

LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	LAMPS	DRIVER	WATTS	VOLTS	MFGR	CATALOGUE #	LENS/DIFFUSER	FINISH	COMMENTS
L1/L1E	4' STRIP	LED	ELECTRONIC	30.6	120/277V	COOPER, OR APPROVED EQUAL	4SNLED-LD5-37SL-LW-UNV-L840-C	FROSTED HIGH-IMPACT DIFFUSER	WHITE	PROVIDE WITH EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
L2/L2E	4' STRIP	LED	ELECTRONIC	34.6	120/277V	COOPER, OR APPROVED EQUAL	4SNLED-LD5-41SL-LW-UNV-L840-C	FROSTED HIGH-IMPACT DIFFUSER	WHITE	PROVIDE WITH EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
L3/L3E	4' STRIP	LED	ELECTRONIC	47.1	120/277V	COOPER, OR APPROVED EQUAL	4SNLED-LD5-50SL-LW-UNV-L840-C	FROSTED HIGH-IMPACT DIFFUSER	WHITE	PROVIDE WITH EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
L4/L4E	2' STRIP	LED	ELECTRONIC	20.1	120/277V	COOPER, OR APPROVED EQUAL	2SNLED-LD5-23SL-LW-UNV-L840-C	FROSTED HIGH-IMPACT DIFFUSER	WHITE	PROVIDE WITH EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
L5/L5E	2'X2' TROFFER, LED	LED	ELECTRONIC	87.5	120/277V	NEWSTAR	SMDOS-G-22-HC16/IC16-2-L340-L240-RL-FA-UN-EL1-LV3	FROSTED HIGH-IMPACT DIFFUSER	WHITE	PROVIDE WITH EMERGENCY BATTERY PACK WHERE INDICATED ON PLANS.
X	EXIT SIGN, LED	N/A	ELECTRONIC	3	120/277V	MULE	MDBURBA	N/A	BRUSHED ALUMINUM	
GENERAL NOTES: 1. ALL FIXTURES WITH AN "E" SUFFIX, SHALL BE PROVIDED WITH AN EMERGENCY BATTERY PACK. PROVIDE AN UNSWITCHED HOT LEG TO EACH "E" FIXTURE. 2. REFER TO TR ROOM LUMINAIRE MOUNTING SCHEDULE ON SHEET EP704 FOR LUMINAIRE MOUNTING INFORMATION.										

MECHANICAL EQUIPMENT SCHEDULE (1 OF 2)									
TAG	BUILDING NUMBER	DESCRIPTION	VOLTAGE	PHASE	HP	AMP (MCA)	CONDUIT & WIRE	NOTES	
01-AC-3-C102D	1	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
01-AC-3-1E15	1	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
01-AC-3-2C10A	1	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
01-AC-3-3C13	1	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
01-CU-3-C102D	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
01-CU-3-1E15	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
01-CU-3-2C10A	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
01-CU-3-3C13	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
02-AC-3-G03	2	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
02-AC-3-111	2	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
02-AC-2-209	2	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
02-AC-3-308	2	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
02-CU-3-G03	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
02-CU-3-111	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
02-CU-2-209	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
02-CU-3-308	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
03-AC-3-B025	3	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
03-AC-3-117	3	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
03-AC-3-224A	3	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
03-CU-3-B025	3	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
03-CU-3-117	3	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
03-CU-3-224A	3	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
03T-AC-1-118	3T	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.23	-	1	
03T-CU-1-118	3T	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	12.2	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
18-AC-3-011A	18	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
18-AC-3-119	18	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
18-AC-3-213	18	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
18-AC-2-312	18	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
18-CU-3-011A	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
18-CU-3-119	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
18-CU-3-213	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
18-CU-2-312	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
23-AC-3-G09B	23	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
23-AC-3-121A	23	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
23-CU-3-G09B	23	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
23-CU-3-121A	23	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
24-AC-3-G02A	24	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
24-AC-3-114B	24	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
24-AC-3-205A	24	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
24-CU-3-G02A	24	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
24-CU-3-114B	24	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
24-CU-3-205A	24	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
25-AC-3-113A	25	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
25-AC-3-208B	25	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
25-AC-2-307	25	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
25-CU-3-113A	25	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
25-CU-3-208B	25	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
25-CU-2-307	25	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
51-AC-3-BE111	51	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
51-AC-2-1A102	51	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
51-AC-4-1A183	51	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
51-CU-3-BE111	51	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
51-CU-3-1A102	51	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
51-CU-4-1A183	51	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
51T-AC-1-109	51T	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.23	-	1	
51T-CU-1-109	51T	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	12.2	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
NOTES: 1. INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE CONDUIT AND WIRE FROM CONDENSING UNIT TO ASSOCIATED AC UNIT AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.									

MECHANICAL EQUIPMENT SCHEDULE (2 OF 2)									
TAG	BUILDING NUMBER	DESCRIPTION	VOLTAGE	PHASE	HP	AMP (MCA)	CONDUIT & WIRE	NOTES	
52-AC-3-GN29A	52	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
52-AC-3-1N82A	52	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
52-AC-3-1S33	52	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
52-AC-3-2N86A	52	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
52-AC-3-2S53	52	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
52-CU-3-GN29A	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
52-CU-3-1N82A	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
52-CU-3-1S33	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
52-CU-3-2N86A	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
52-CU-3-2S53	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53-AC-2-GS10	53	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
53-AC-3-GN51	53	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
53-AC-3-1S002	53	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
53-AC-3-1S011	53	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
53-AC-3-2S001	53	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
53-CU-2-GS10	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53-CU-3-GN51	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53-CU-3-1S002	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53-CU-3-1S011	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53-CU-3-2S001	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53T-AC-1-109	53T	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.23	-	1	
53T-CU-1-109	53T	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	12.2	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-AC-3-1A129	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-AC-3-1B104	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-AC-2-1C132	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
55-AC-3-2A136	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-AC-3-2C144	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-AC-3-3A120	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-AC-3-3C149	55	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
55-CU-3-1A129	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-3-1B104	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-2-1C132	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-3-2A136	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-3-3A120	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-3-2C144	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
55-CU-3-3C149	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
56-AC-4-BA105	56	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
56-AC-4-1A109	56	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
56-AC-4-2A122	56	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
56-AC-4-3A122	56	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
56-CU-4-BA105	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
56-CU-4-1A109	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
56-CU-4-2A122	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
56-CU-4-3A122	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
57-AC-2-1B120	57	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
57-AC-3-1B139	57	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
57-CU-2-1B120	57	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
57-CU-3-1B139	57	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
58-AC-3-104	58	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
58-CU-3-104	58	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
60-AC-2-102	60	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.3	-	1	
60-CU-2-102	60	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	18.3	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
60T-AC-1-108	60T	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.23	-	1	
60T-CU-1-108	60T	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	12.2	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
75-AC-4-1B105	75	DUCTLESS SPLIT COOLING UNIT - INDOOR UNIT	208	1	-	0.37	-	1	
75-CU-4-1B105	75	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
03T-TF-1	03T	TRANSFER FAN	120	1	-	9.8	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
51T-TF-1	51T	TRANSFER FAN	120	1	-	9.8	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
53T-TF-1	53T	TRANSFER FAN	120	1	-	9.8	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
60T-TF-1	60T	TRANSFER FAN	120	1	-	9.8	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND		
NOTES:									
1. INDOOR UNIT POWERED BY OUTDOOR UNIT. PROVIDE CONDUIT AND WIRE FROM CONDENSING UNIT TO ASSOCIATED AC UNIT AS REQUIRED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE WITH MECHANICAL CONTRACTOR AS REQUIRED.									



METERING AND LOAD INFORMATION SCHEDULE														
BUILDING	EQUIPMENT	VOLTAGE (V)	PHASE	AMP RATING (A)	METERING DATE	METERED DEMAND (kW)	PF ADJUST	SEASONAL ADJUSTMENT FACTOR	NEC DEMAND FACTOR	DEMAND Kva (w/ NEC FACTOR)	ADDED LOAD (kVA)	TOTAL DEMAND LOAD (kVA)	TOTAL LOAD <= 80% OF EQUIPMENT RATING	NOTES
1	MSB-01	208	3	2500	SEE NOTES	261	0.9	1	1.25	362.5	58.5	421.0	YES	1
	CDP	208	3	600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
2	MDP-R	208	3	800	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
3	MLP-L	208	3	1000	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
3T	3T-1	208	1	400	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
18	DP-18-1	208	3	1200	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
23	MSB-23	208	3	1600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
24	XFMR "24-XF2-BLDG 24"	208	3	1600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
25	25DP	208	3	600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	ATS1-EDP25	208	3	225	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
51	DP-51	208	3	800	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	51-CB51	208	3	800	SEE NOTES	88	0.9	1	1.25	122.2	28.8	151.1	YES	1
51T	B51T-MAIN	208	1	400	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
52	AT552-DP52CR	208	3	600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	SB-91	208	3	1600	SEE NOTES	104	0.9	1	1.25	144.4	66.2	210.7	YES	1
53	53-SWBD	208	3	800	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	MDP-53	208	3	2000	SEE NOTES	202	0.9	1	1.25	280.6	33.1	313.7	YES	1
53T	NSR251	208	1	400	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
55	DP/55-C1	480	3	400	SEE NOTES	37	0.9	1	1.25	51.4	48.7	100.1	YES	1
	DP/55-1N3	208	3	500	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
56	DP/56C	208	3	1600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	MSB/56-1	480	3	2500	SEE NOTES	219.4	0.9	1	1.25	304.7	28.8	333.6	YES	1
57	57-1N4	208	3	225	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	57-1N6	208	3	225	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
58	DP/57R	480	3	800	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	MDP-58	208	3	1000	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
60	MDP-60	208	3	1600	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	DP-60EM	208	3	1200	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
60T	MDP-60T	208	1	400	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
75	XFMR TR/75N	208	3	300	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
NOTES:														
1. VA-PROVIDED METERING DATA. DATA RECORDED WITHIN LAST 12 MONTHS.														
2. PRIOR TO COMMENCING ANY WORK, CONTRACTOR SHALL CONDUCT 30-DAY DEMAND POWER METERINGS PER NEC 220.87 AS INDICATED ON DRAWINGS. ALL METERING DATA SHALL BE PROVIDED VIA SUBMITTAL PROCESS TO ENGINEER FOR REVIEW; ENGINEER SHALL HAVE APPROXIMATELY 7-DAYS TO REVIEW DATA AND PROVIDE ADDITIONAL DIRECTION AND/OR APPROVE WORK TO COMMENCE AS INDICATED ON DRAWINGS.														


TR ROOM LUMINAIRE MOUNTING SCHEDULE					
BLDG	TR ROOM	SHEET NUMBER	CEILING HEIGHT (FT)	MOUNTING HEIGHT	NOTES
1	C102D	01EP401	11'	9'-6"	1,2
	1E15	01EP401	11'	9'-6"	1,2
	2C10A	01EP402	11'	9'-6"	1,2
	3C13	01EP403	11'	9'-6"	1,2
2	G03	02EP400	8'-7"	CEILING MOUNTED (SURFACE)	1,3
	111	02EP401	10'-1"	9'-6"	1,2
	209	02EP402	10'-1"	9'-6"	1,2
	308	02EP403	10'	9'-6"	1,2
3	B025	03EP400	11'	9'-6"	1,2
	117	03EP401	11'	9'-6"	1,2
	224	03EP402	11'	9'-6"	1,2
18	011	18EP400	11'6"	9'-6"	1,2
	119	18EP401	10'-6"	9'-6"	1,2
	213	18EP402	10'-6"	9'-6"	1,2
	312	18EP403	10'-6"	9'-6"	1,2
23	G09	23EP400	13'	9'-6"	1,2
	121A	23EP401	13'	9'-6"	1,2
24	G02A	24EP400	10'-7"	9'-6"	1,2
	114B	24EP401	12'	9'-6"	1,2
	205A	24EP402	10'-11"	9'-6"	1,2
25	113A	25EP401	11'	9'-6"	1,2
	208B	25EP402	11'	9'-6"	1,2
	307	25EP403	11'	9'-6"	1,2
	8E111	51EP400	11'	9'-6"	1,2
51	1A102	51EP401a	11'	9'-6"	1,2
	1A139	51EP401a	11'	9'-6"	1,2
	1A183	51EP401b	11'	9'-6"	1,2
	GN29	52EP400b	12'-3 1/4"	9'-6"	1,2
52	1N82A	52EP401a	10'-11 1/2"	9'-6"	1,2
	1S33	52EP401b	10'-11 1/2"	9'-6"	1,2
	2N86A	52EP402	9'-1 1/2"	CEILING MOUNTED (SURFACE)	1,3
	2S53	52EP402	9'-1 1/2"	CEILING MOUNTED (SURFACE)	1,3
53	GN51	53EP400	12' 4 1/2"	9'-6"	1,2
	GS10	53EP400	12' 4 1/2"	9'-6"	1,2
	1S002	53EP401a	11' 3 1/2"	9'-6"	1,2
	1S011	53EP401b	11' 3 1/2"	9'-6"	1,2
	2S001	53EP402	11'-3 3/4"	9'-6"	1,2
55	1A129	55EP401	13'	9'-6"	1,2
	1B104	55EP401	13'	9'-6"	1,2
	1C132	55EP401	13'	9'-6"	1,2
	2A136	55EP402	15'	9'-6"	1,2
	2C144	55EP402	15'	9'-6"	1,2
	3A120	55EP403	15'	9'-6"	1,2
	3C149	55EP403	15'	9'-6"	1,2
56	BA105	56EP400	18'	9'-6"	1,2
	1A109	56EP401	13'	9'-6"	1,2
	2A122	56EP402	13'	9'-6"	1,2
	3A122	56EP403	13'-6"	9'-6"	1,2
57	1B120	57EP401	14'	9'-6"	1,2
	1B139	57EP401	14'	9'-6"	1,2
58	104	58EP401	15'7"	9'-6"	1,2
60	102	60EP401	16'	9'-6"	1,2
75	1B105	75EP401	11' - 5 1/2"	9'-6"	1,2
NOTES:					
1. CONTRACTOR SHALL COORDINATE LUMINAIRE MOUNTING WITH ALL ELECTRICAL, MECHANICAL, TELECOM, EQUIPMENT, AND RACEWAYS AS REQUIRED.					
2. LUMINAIRE SHALL BE SUSPENDED MOUNTED. UTILIZE ALUMINUM CHAIN AND FASTENING HARDWARE, OR EQUAL, AS REQUIRED.					
3. PROVIDE ALL HARDWARE AND FASTENING EQUIPMENT AS REQUIRED TO MOUNT TO CEILING.					

Generator Load Schedule			
Generator	Generator Rating (kW)	Peak Demand (kW)	Available Capacity
BLDG 1	400	157.8	242.2
BLDG 51	350	161	189
BLDG 52	250	132.5	117.5
BLDG 53	300	143	157
BLDG 55	500	43	457
BLDG 56	800	100	700
BLDG 60	300	143	157
BLDG 75 (GEN 1)	2500	1842	658
BLDG 75 (GEN 2)	2500	1842	658
BLDG 75 (GEN 3)	2500	1842	658

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
			A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES		VA U.S. Department of Veterans Affairs	ELECTRICAL SCHEDULE	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
						Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number
								Issue Date 03/31/2022	Drawing Number
								Checked LRL/WM	EP704
								Drawn LLT/JPS	300 OF 435
Revisions:	Date:								



## SHEET INDEX

		CONSULTANT	ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE., STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	STAMP 	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title TELECOMMUNICATIONS LEGEND, GENERAL NOTES, AND ABBREVIATIONS Approved:	Phase CONSTRUCTION DOCUMENTS FULLY SPRINKLERED	Project Title EHRM INFRASTRUCTURE UPGRADES Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022	Project Number 657-21-701JB Building Number - Drawing Number ETG001 301 OF 435
Revisions:	Date:							Checked LRL/WNM Drawn JGE/JBB	



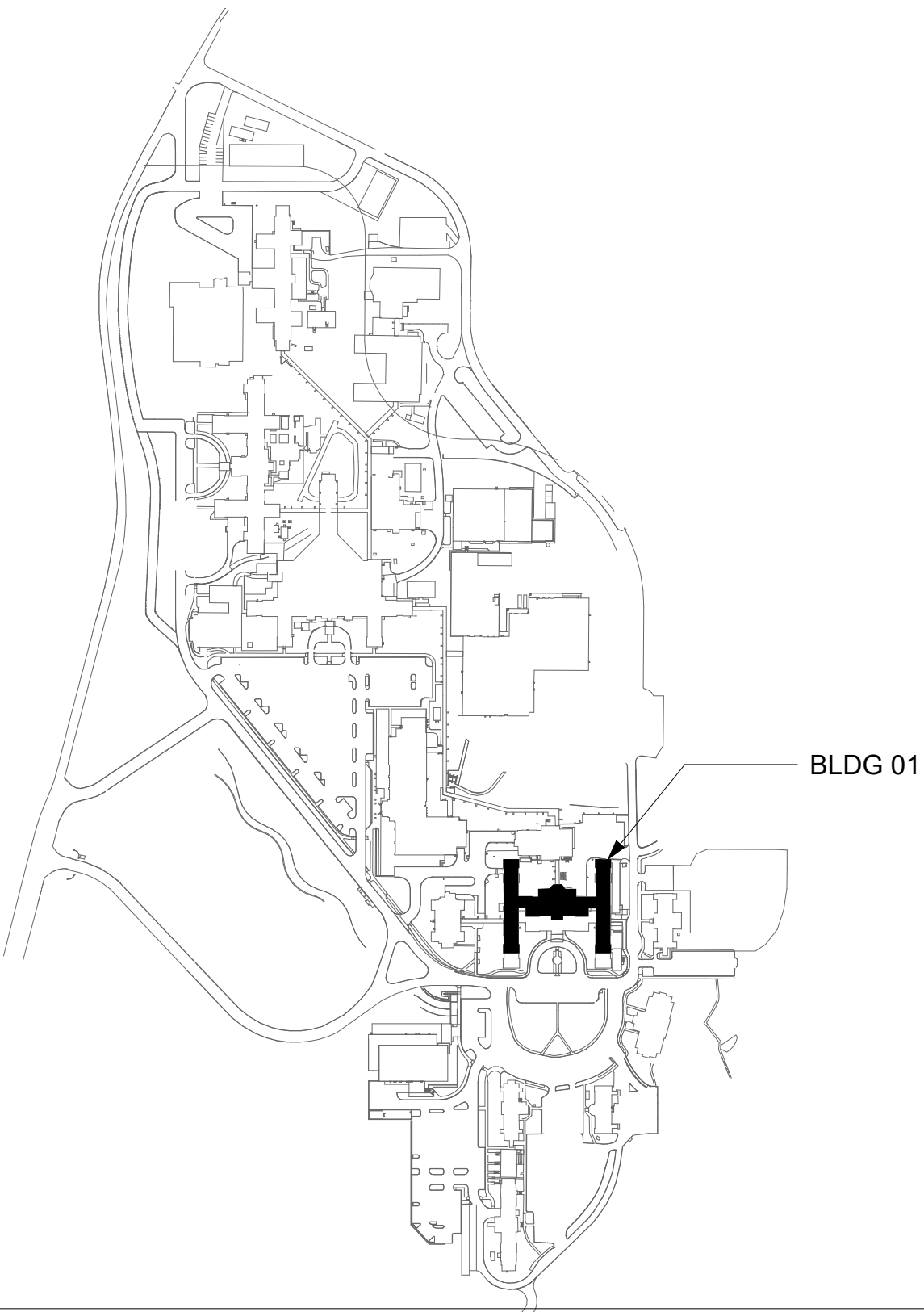
GENERAL NOTES

1. ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
2. PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
3. SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
4. ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE UPGRADED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
5. TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
6. A TELECOMMUNICATIONS OUTLET UPGRADE SHALL INCLUDE, BUT IS NOT LIMITED TO REMOVING AND DISPOSING EXISTING DEVICES AND CABLES; PROVIDING ALL LABOR, MATERIALS, TOOLS, TEST INSTRUMENTS, AND CONSUMABLES REQUIRED FOR THE INSTALLATION, TERMINATION, TESTING, LABELING, AND CERTIFICATION OF A FULLY FUNCTIONAL CATEGORY 6A OUTLET WITH THE PORT QUANTITY INDICATED.
7. CONTRACTOR SHALL PROVIDE, INSTALL, AND TERMINATE HORIZONTAL CAT6A CABLING FROM EACH WAO (WORK AREA OUTLET) TO ITS RESPECTIVE TR.
8. PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
9. PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
10. OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES ON AS-BUILT DRAWINGS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.
12. ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
13. FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

1. PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET; EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
3. REMOVE AND REPLACE EXISTING CABLE TRAY IN THE AREAS SHOWN AS REQUIRED; IF CABLE TRAY IS NON-EXISTENT, PROVIDE CABLE TRAY AS INDICATED. REFERENCE DETAIL '6' ON SHEET ET503 AND TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE ON SHEET ET701. WHERE WALL EXTENDS TO CEILING, CABLE TRAY SHALL STOP AND TRANSITION TO CONDUIT SLEEVES (2" 4", MINIMUM) WITH APPROPRIATE FIRE-PROOFING AND CAULKING TO PASS THROUGH WALL WHERE EXISTING CABLE TRAY AND/OR SLEEVES ARE DISCOVERED, EVALUATE CONDITION AND RACEWAY CAPACITY; IF CABLE TRAY AND/OR SLEEVES APPEAR TO BE REUSABLE, NOTIFY COR FOR POSSIBLE REUSE.
4. FIBER-OPTIC CABLE VERTICAL ROUTING; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
5. FIBER-OPTIC CABLE HORIZONTAL ROUTING SHALL BE CONCEALED ABOVE DROP CEILING WHEREVER POSSIBLE. UTILIZE CABLE TRAY AS APPLICABLE. PROVIDE CONDUIT SLEEVE WITH FIREPROOFING AS REQUIRED WHERE WALL PENETRATIONS ARE REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
6. UTILIZE EXISTING PACS SECURITY HEAD END LOCATION FOR NEW OR RELOCATED PACS SECURITY TR EQUIPMENT. UPGRADE OR MODIFY EXISTING HEAD END LOCATION AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL TR PACS SECURITY SYSTEM. PROVIDE EQUIPMENT, RACEWAYS, AND CABLING AS REQUIRED. COORDINATE WITH VA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT HEAD END LOCATION AS REQUIRED.

KEY PLAN






EXISTING SIDE-A FIBER-OPTIC BACKBONE BUILDING ENTRY POINT (APPROXIMATE LOCATION). ROUTE FIBER-OPTIC CABLES TO TRs AS INDICATED ON COMMUNICATIONS DRAWINGS; REFERENCE COMMUNICATIONS DRAWINGS FOR ALL FIBER-OPTIC CABLING, RACEWAY TYPES, SPECIFICATIONS, AND RATINGS. REFERENCE KEY NOTES ON THIS SHEET REGARDING CABLE TRAY AND VERTICAL/HORIZONTAL ROUTING FOR ADDITIONAL FIBER BACKBONE CABLING REQUIREMENTS.

SIDE-B FIBER-OPTIC BACKBONE: REFERENCE COMMUNICATION SHEETS FOR ADDITIONAL INFORMATION REGARDING HANDHOLE, CONDUIT, FIBER-OPTIC CABLING, AND RACEWAY INFORMATION

DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM GC12.

ALL BACKBONE CABLING ROUTES ARE DIAGRAMMATICAL; CONTRACTOR SHALL ENSURE A-SIDE AND B-SIDE ROUTING IS AS DIVERSE AS PRACTICAL. REFERENCE COMMUNICATIONS DRAWINGS FOR ALL REQUIRED FIBER-OPTIC CABLING.

1 BLDG 01 - FLOOR 0 - TELECOMMUNICATIONS PLAN  
1/16" = 1'-0"

				CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number					
						A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES				 U.S. Department of Veterans Affairs		BLDG 01 - FLOOR 0 - TELECOMMUNICATIONS PLAN		CONSTRUCTION DOCUMENTS		EHRM INFRASTRUCTURE UPGRADES		657-21-701JB					
														FULLY SPRINKLERED		Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO		Building Number 01					
Revisions:		Date:										Approved:				Issue Date 03/31/2022		Checked LRL/WM		Drawn JGE/JBB		Drawing Number 01ET100	
																						302 OF 435	



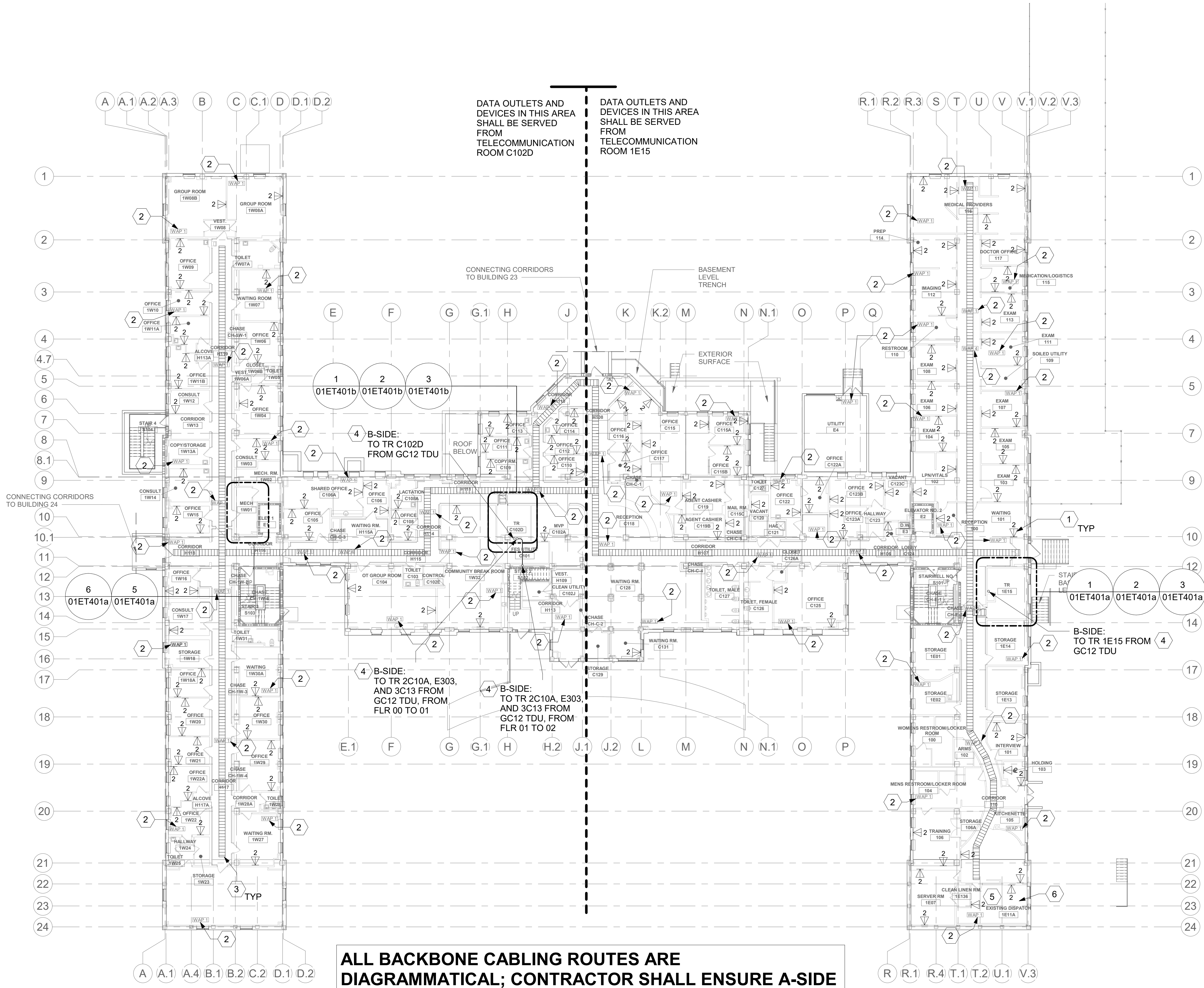
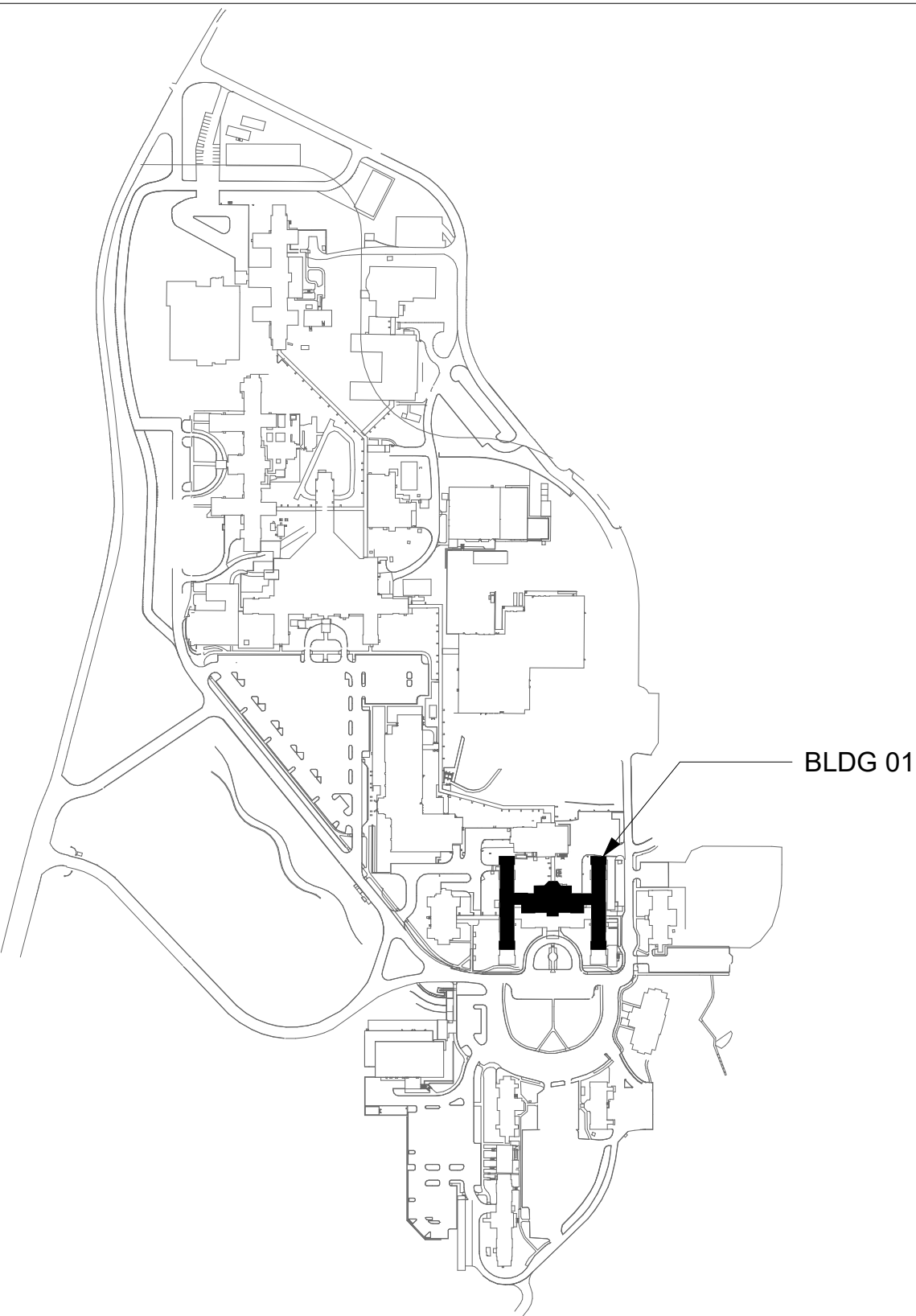
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- FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE. DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

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- EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- REMOVE AND REPLACE EXISTING CABLE TRAY IN THE AREAS SHOWN AS REQUIRED; IF CABLE TRAY IS NON-EXISTENT, PROVIDE CABLE TRAY AS INDICATED. REFERENCE DETAIL '6' ON SHEET ET503 AND TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE ON SHEET ET701. WHERE WALL EXTENDS TO CEILING, CABLE TRAY SHALL STOP AND TRANSITION TO CONDUIT SLEEVES (2) 4" MINIMUM WITH APPROPRIATE FIRE-PROOFING AND CAULKING TO PASS THROUGH WALL WHERE EXISTING CABLE TRAY AND/OR SLEEVES ARE DISCOVERED; EVALUATE CONDITION AND RACEWAY CAPACITY; IF CABLE TRAY AND/OR SLEEVES APPEAR TO BE REUSABLE, NOTIFY COR FOR POSSIBLE REUSE
- FIBER-OPTIC CABLE VERTICAL ROUTING; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- UTILIZE EXISTING PACS SECURITY HEAD END LOCATION FOR NEW OR RELOCATED PACS SECURITY TR EQUIPMENT. UPGRADE OR MODIFY EXISTING HEAD END LOCATION AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL TR PACS SECURITY SYSTEM. PROVIDE EQUIPMENT, RACEWAYS, AND CABLING AS REQUIRED. COORDINATE WITH VA PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY EXACT HEAD END LOCATION AS REQUIRED.
- SECURITY SYSTEMS CAMPUS WIDE HEADEND EQUIPMENT LOCATED IN 1E11. COORDINATE EXACT LOCATION WITH VA. PROVIDE NEW FIBER-OPTIC CONNECTION AS REQUIRED TO ASSIMILATE WITH THE NEW FIBER-OPTIC BACKBONE UPGRADE; REPLACE EXISTING HARDWARE AS REQUIRED. REFERENCE SHEET 01ET401b FOR ADDITIONAL INFORMATION.

KEY PLAN



ALL BACKBONE CABLING ROUTES ARE DIAGRAMMATICAL; CONTRACTOR SHALL ENSURE A-SIDE AND B-SIDE ROUTING IS AS DIVERSE AS PRACTICAL. REFERENCE COMMUNICATIONS DRAWINGS FOR ALL REQUIRED FIBER-OPTIC CABLING.

1 BLDG 01 - FLOOR 1 - TELECOMMUNICATIONS PLAN  
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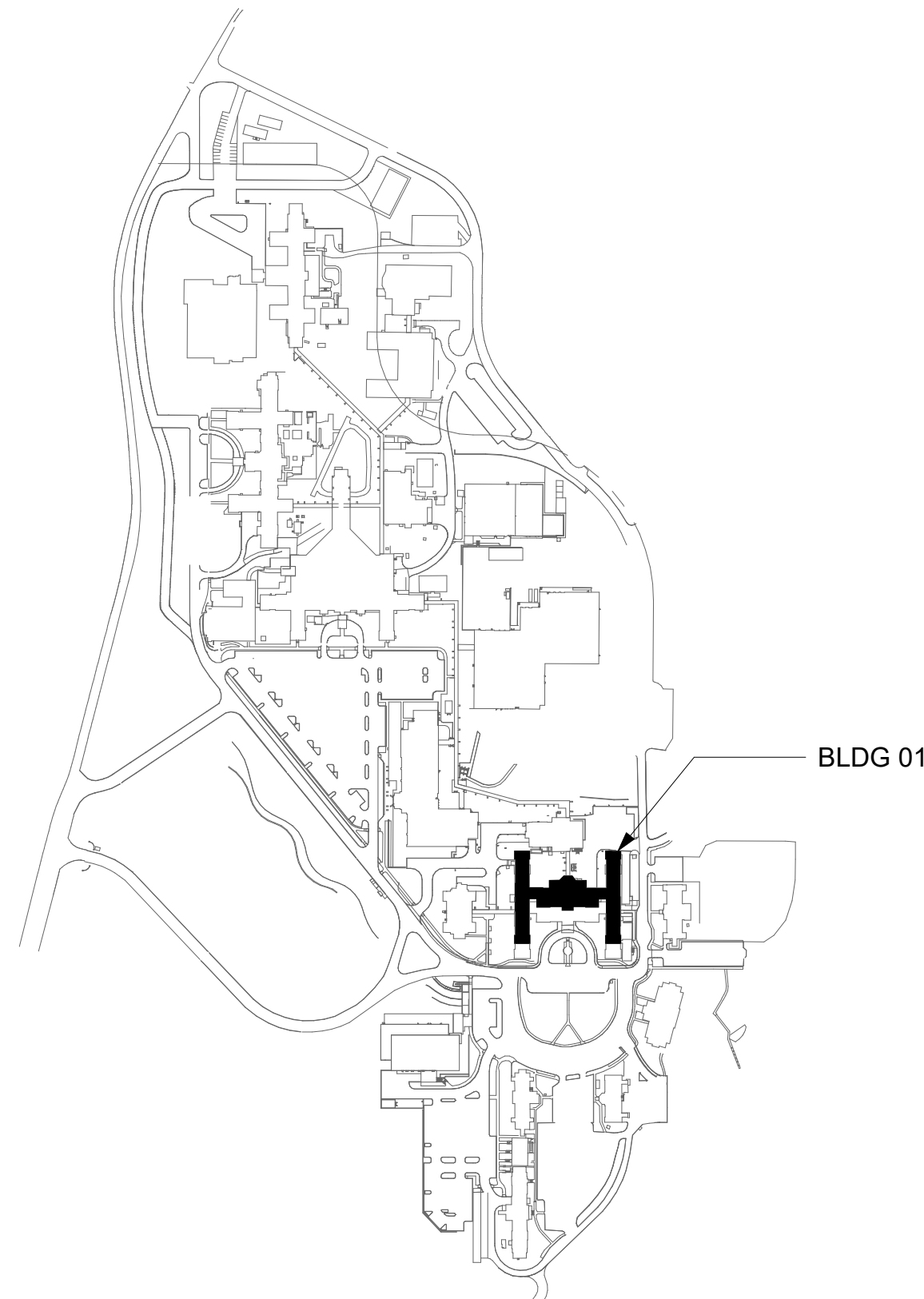
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## KEY NOTES

- 1 PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET; EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
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## KEY PLAN



BLDG 01

PROJECT NORTH

**AREA OF WORK**

Phase

CONSTRUCTION  
DOCUMENTS

FULLY SPRINKLERED

Project Title	EHRM INFRASTRUCTURE UPGRADES
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Location	
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Issue Date	03/31/2023
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Checked  
LRL/WNN

	Drawing Number
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01E1102

304 OF 435

**DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 2C10A.**

**ALL BACKBONE CABLING ROUTES ARE  
DIAGRAMMATICAL; CONTRACTOR SHALL ENSURE A-  
SIDE AND B-SIDE ROUTING IS AS DIVERSE AS  
PRACTICAL. REFERENCE COMMUNICATIONS  
DRAWINGS FOR ALL REQUIRED FIBER-OPTIC CABLING.**

CONSULTANT

ARCHITECT/ENGINEER OF RECORD

**A/E:**  
**SPEES DESIGN BUILD**  
625 1ST AVE, STE 301  
SEATTLE, WA 98104  
(206) 590-2118  
RAY SPEES



STAMP



Office of  
Construction  
and Facilities  
Management

**VA** U.S. Department  
of Veterans Affairs

Drawing Title

BLDG 01 - FLOOR 2 -  
TELECOMMUNICATIONS PLAN

**Approved:**

Phase

# CONSTRUCTION DOCUMENTS

Project Title

## EHRM INFRASTRUCTURE UPGRADES

Project Number

657-21-701JB

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Building Number  
01

Drawing Number

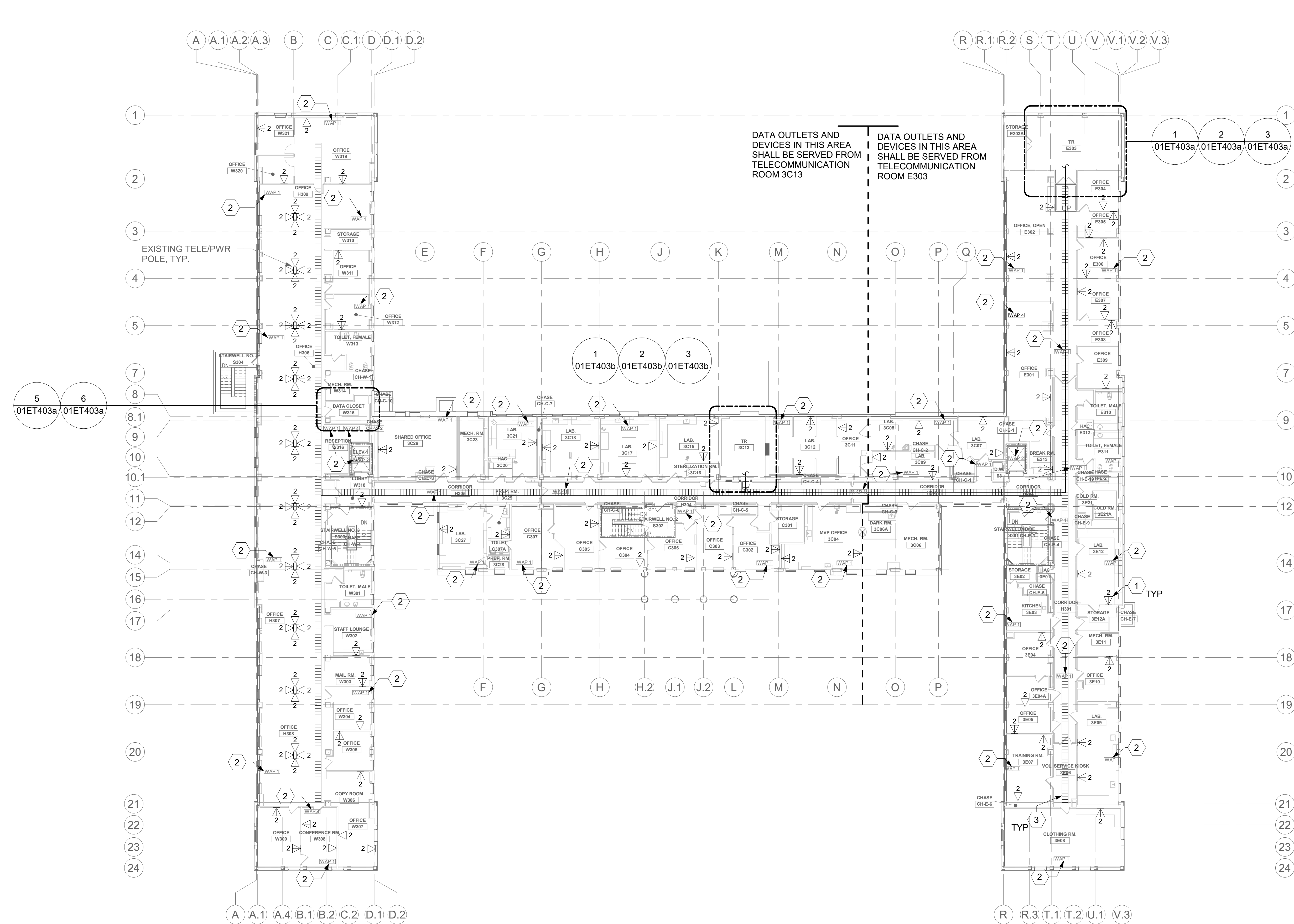
01E1102

304 OF 435

1 BLDG 01 - FLOOR 2 - TELECOMMUNICATIONS PLAN  
- 1/16" = 1'-0"

VA FORM 08-6231





ALL BACKBONE CABLING ROUTES ARE  
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DRAWINGS FOR ALL REQUIRED FIBER-OPTIC  
CABLING.

1 BLDG 01 - FLOOR 3 - TELECOMMUNICATIONS PLAN  
1/16" = 1'-0"

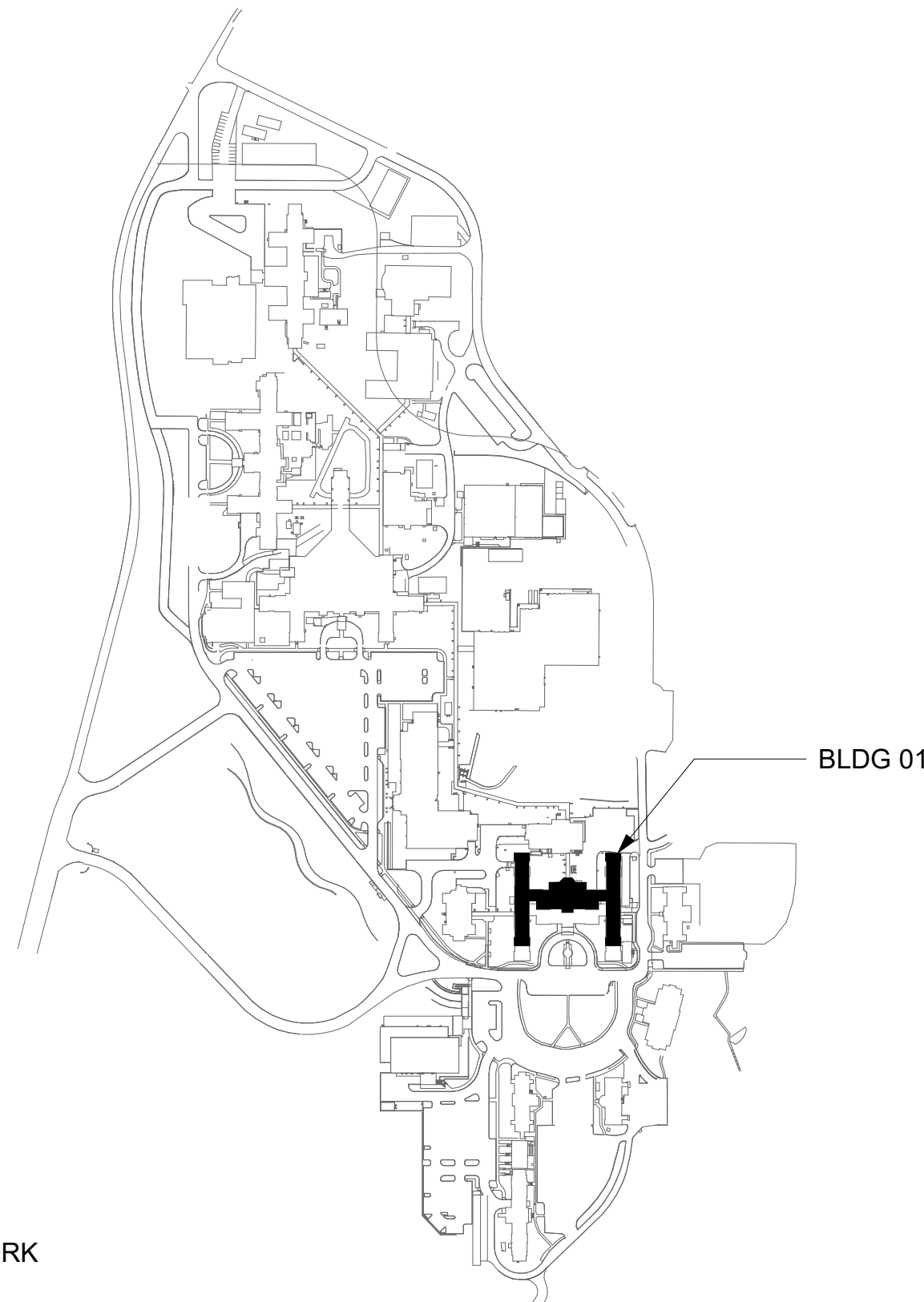
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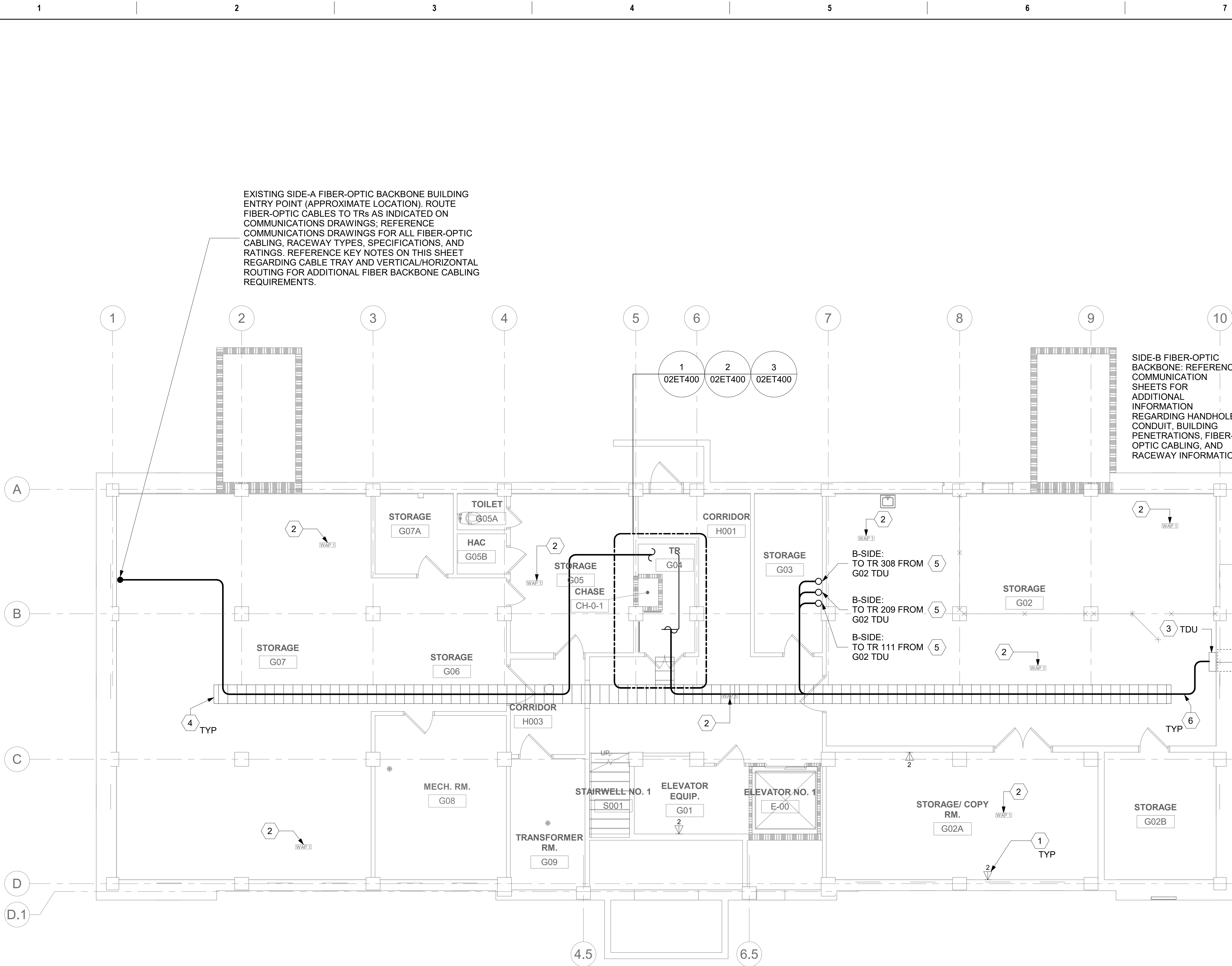
KEY PLAN



<div>Revisions:</div> <div>Date:</div>		CONSULTANT	ARCHITECT/ENGINEER OF RECORD A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	STAMP LOUIS R. LITZLO STATE OF WASHINGTON SS081 3-31-21 REGISTERED PROFESSIONAL ENGINEER	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title BLDG 01 - FLOOR 3 - TELECOMMUNICATIONS PLAN Approved:	Phase CONSTRUCTION DOCUMENTS  FULLY SPRINKLERED	Project Title EHRM INFRASTRUCTURE UPGRADES  Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO Issue Date 03/31/2022 Checked LRL/WM Drawn JGE/JBB	Project Number 657-21-701JB Building Number 01 Drawing Number 01ET103 305 OF 435
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A  
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**DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM G03.**

**ALL BACKBONE CABLING ROUTES ARE DIAGRAMMATICAL; CONTRACTOR SHALL ENSURE A-SIDE AND B-SIDE ROUTING IS AS DIVERSE AS PRACTICAL. REFERENCE COMMUNICATIONS DRAWINGS FOR ALL REQUIRED FIBER-OPTIC CABLING.**

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3/16" = 1'-0"  
PROJECT NORTH

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- CONTRACTOR SHALL PROVIDE, INSTALL, AND TERMINATE HORIZONTAL CAT6A CABLING FROM EACH WAO (WORK AREA OUTLET) TO ITS RESPECTIVE TR.
- PROVIDE PULL BOXES SIZED PER ANSI/TIA-569 AT 100-FT INTERVALS IN STRAIGHT CONDUIT RUNS, OR CONDUIT CONTAINING BENDS TOTALING MORE THAN 180 DEGREES.
- PROVIDE CONDUITS AND SLEEVES AS REQUIRED FOR ROUTING AND INSTALLATION OF HORIZONTAL AND BACKBONE CABLING. PROVIDE FIRE-STOP MATERIALS TO SEAL IN AND AROUND CONDUIT PER CODE. REFER TO ARCHITECTURAL DRAWINGS FOR PARTITION TYPES AND WALL HEIGHTS.
- OUTLET LOCATIONS ARE APPROXIMATE. DETERMINE EXACT LOCATIONS IN FIELD; DOCUMENT VARIANCES ON AS-BUILT DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING FURNITURE, INCLUDING TRANSPORTATION, FOR ALL WORK TO DESIRED VA STORAGE LOCATION. COORDINATE WITH VA AS REQUIRED.
- ALL DATA CABLING SHALL BE SEGREGATED FROM OTHER SPECIAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, SECURITY, FIRE ALARM, AND NURSE CALL SYSTEMS. WHEN ROUTED THROUGH CONDUIT, DATA CABLING SHALL HAVE ITS OWN RACEWAY. WHEN DATA CABLING IS ROUTED THROUGH A COMMON SPECIAL SYSTEMS CABLE TRAY, CABLING SHALL BE BUNDLED WITH LIKE SYSTEMS; ADDITIONALLY, CABLE TRAYS SHALL BE PROVIDED WITH TRAY DIVIDERS AS REQUIRED TO SEGREGATE SYSTEMS FROM ONE ANOTHER.
- FIBER - OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICAL. COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS, ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

## KEY NOTES

- PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET; EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
- EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- TUBE DISTRIBUTION UNIT (TDU), REFERENCE COMMUNICATION DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE AND REPLACE EXISTING CABLE TRAY IN THE AREAS SHOWN AS REQUIRED; IF CABLE TRAY IS NON-EXISTENT, PROVIDE CABLE TRAY AS INDICATED. REFERENCE DETAIL '8' ON SHEET ET503 AND TELECOMMUNICATIONS WAO AND CABLE TRAY SCHEDULE ON SHEET ET701. WHERE WALL EXTENDS TO CEILING, CABLE TRAY SHALL STOP AND TRANSITION TO CONDUIT SLEEVES ((2) 4" MINIMUM) WITH APPROPRIATE FIRE-PROOFING AND CAULKING TO PASS THROUGH WALL. WHERE EXISTING CABLE TRAY AND/OR SLEEVES ARE DISCOVERED, EVALUATE CONDITION AND RACEWAY CAPACITY; IF CABLE TRAY AND/OR SLEEVES APPEAR TO BE REUSABLE, NOTIFY COR FOR POSSIBLE REUSE.
- FIBER-OPTIC CABLE VERTICAL ROUTING ; COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION. UTILIZE RIGID CONDUIT SLEEVES WITH FIRE PROOFING AND ALL REQUIRED APPURTENANCES AS REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.
- FIBER-OPTIC CABLE HORIZONTAL ROUTING SHALL BE CONCEALED ABOVE DROP CEILING WHEREVER POSSIBLE. UTILIZE CABLE TRAY AS APPLICABLE. PROVIDE CONDUIT SLEEVE WITH FIREPROOFING AS REQUIRED WHERE WALL PENETRATIONS ARE REQUIRED. REFERENCE DETAIL 2 ON SHEET ET503 FOR ADDITIONAL INFORMATION.

## KEY PLAN

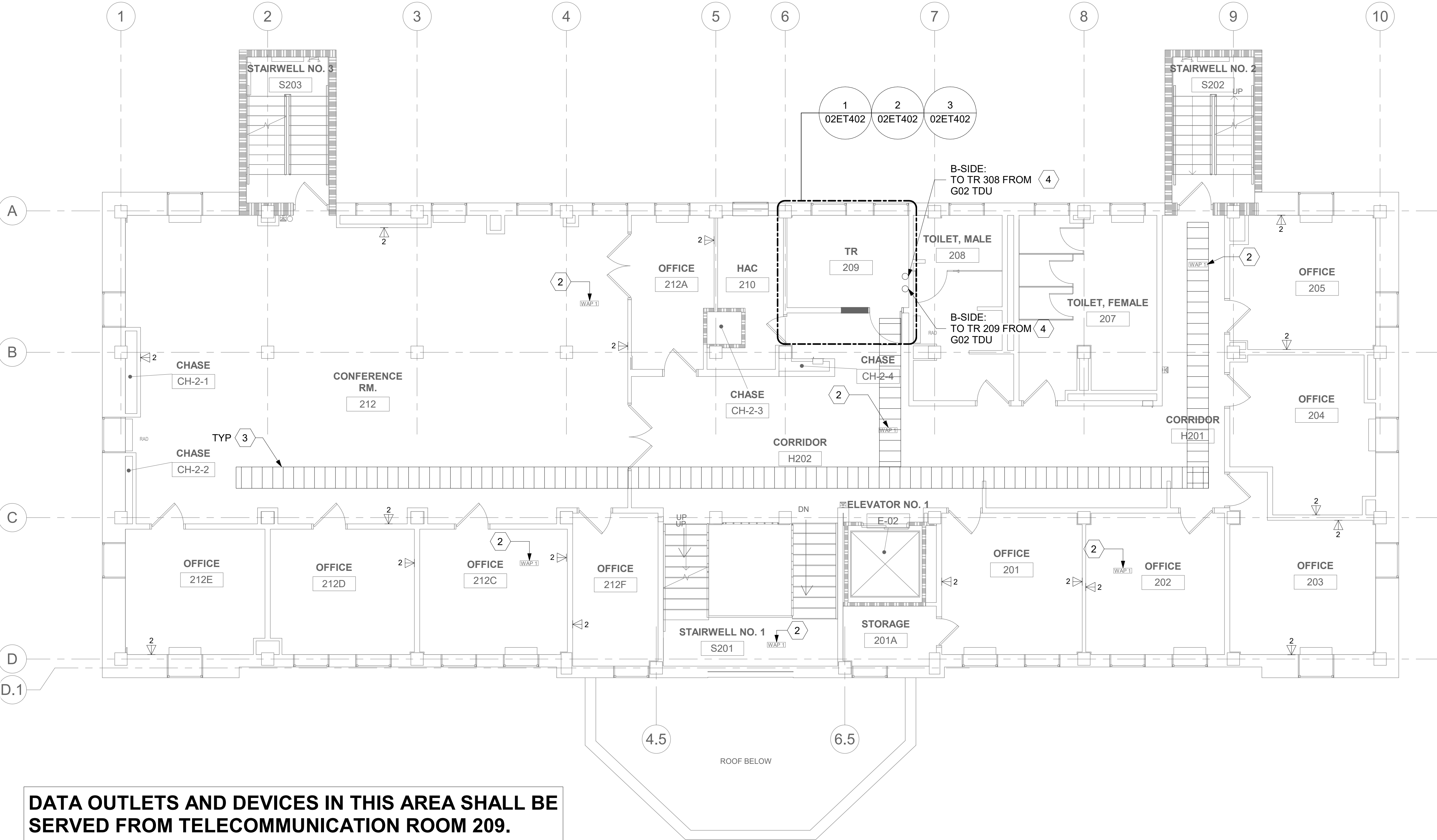


		CONSULTANT	ARCHITECT/ENGINEER OF RECORD  A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES  SPEESDESIGNBUILD	STAMP 	Office of Construction and Facilities Management   U.S. Department of Veterans Affairs	Drawing Title	Phase	Project Title	Project Number	
						BLDG 02 - FLOOR 0 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB	
						Approved:	FULLY SPRINKLERED	Location	Building Number	
								ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	02	
						Issue Date		Checked	Drawn	Drawing Number
						03/31/2022		LRL/WM	JGE/JBB	
Revisions:	Date:							306 OF 435		









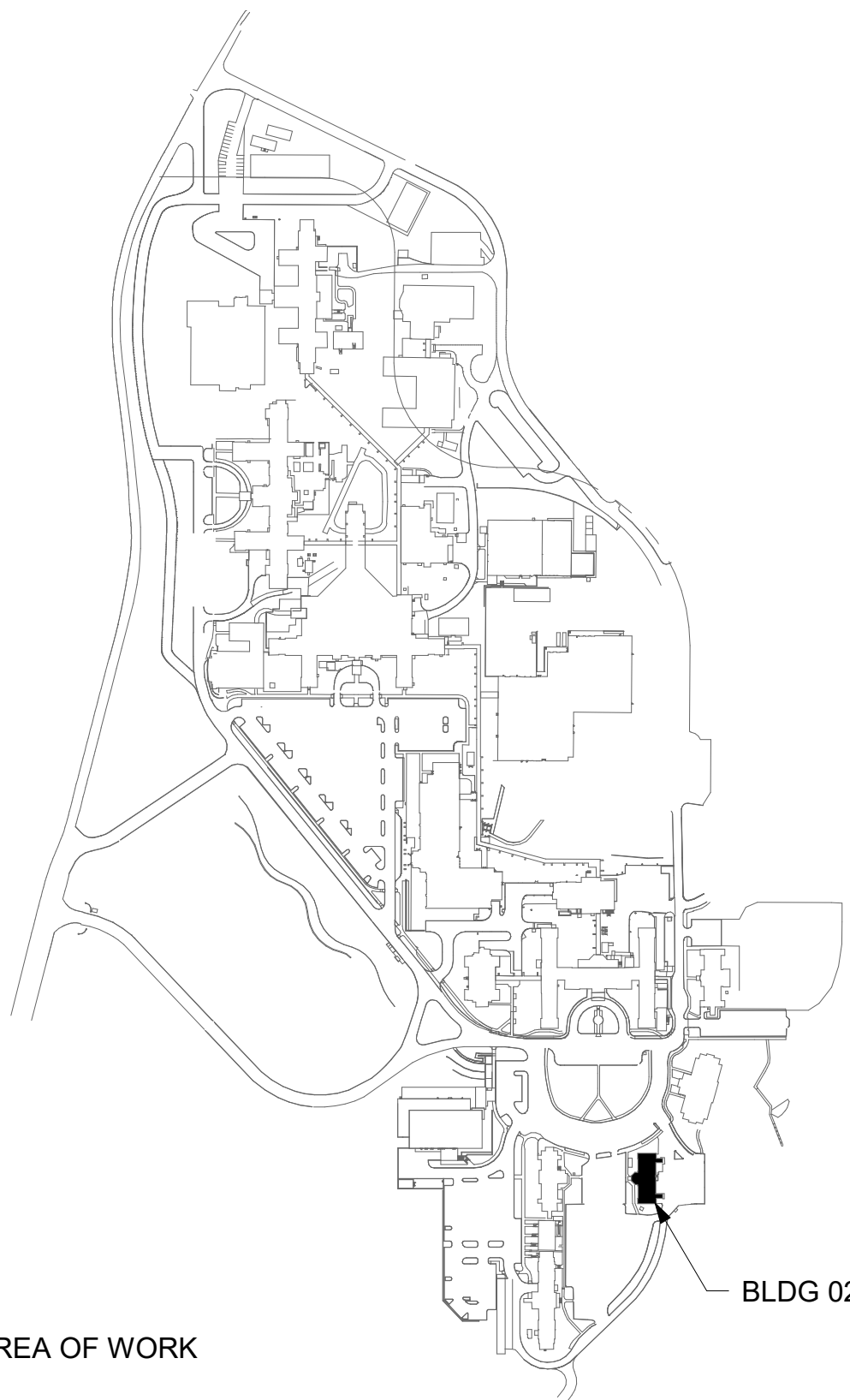
## GENERAL NOTES

- ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING WORK FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED MATERIALS, SYSTEMS, COMPONENTS, FINISHES BE LIKE, SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE ACCEPTANCE OF THE OWNER.
- SEAL ALL INTERIOR WALL AND CEILING PENETRATIONS TO MATCH EXISTING FIRE RATING OR NEW FIRE RATING, IF REQUIRED. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
- ALL TELECOMMUNICATIONS CABLING CATEGORY 6 AND BELOW SHALL BE UPGRADED WITH CAT6A PORTS AND CABLE QUANTITIES INDICATED, UNLESS NOTED OTHERWISE.
- TELECOMMUNICATIONS CABLES SHALL BE ROUTED IN EXISTING PATHWAY VACATED BY EXISTING CABLING. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
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## KEY PLAN



1 BLDG 02 - FLOOR 2 - TELECOMMUNICATIONS PLAN  
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		CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title BLDG 02 - FLOOR 2 - TELECOMMUNICATIONS PLANS	Phase CONSTRUCTION DOCUMENTS	Project Title EHRM INFRASTRUCTURE UPGRADES	Project Number 657-21-701JB
			A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 3-31-23 55081	VA U.S. Department of Veterans Affairs	Approved:	FULLY SPRINKLERED	Location ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	Building Number 02
Revisions:		Date:						Issue Date 03/31/2022	Checked LRL/WM
								Drawn JGE/JBB	Drawing Number 02ET102
									308 OF 435