

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			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	1	
01-CU-3-1E15	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
01-CU-3-2C10A	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
01-CU-3-3C13	1	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
02-CU-3-111	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
02-CU-3-308	2	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
03-CU-3-117	3	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
03-CU-3-224A	3	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
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	1	
18-CU-3-119	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
18-CU-3-213	18	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
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	1	
23-CU-3-121A	23	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
24-CU-3-114B	24	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
24-CU-3-205A	24	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
25-CU-3-208B	25	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
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	1	
51-CU-3-1A102	51	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
51-CU-4-1A183	51	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	

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	1	
52-CU-3-1N82A	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
52-CU-3-1S33	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
52-CU-3-2N86A	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
52-CU-3-2S53	52	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
53-CU-3-GN51	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
53-CU-3-1S002	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
53-CU-3-1S011	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
53-CU-3-2S001	53	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
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	1	
55-CU-3-1B104	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
55-CU-3-2A136	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
55-CU-3-3A120	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
55-CU-3-2C144	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
55-CU-3-3C149	55	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
56-CU-4-1A109	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
56-CU-4-2A122	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
56-CU-4-3A122	56	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
57-CU-3-1B139	57	DUCTLESS SPLIT COOLING UNIT - OUTDOOR UNIT	208	1	-	17	(1) 3/4"C.,(3) 12 AWG, 12 AWG GND	1	
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	1	
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 AW		

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	ATSS2-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
	57-1N4	208	3	225	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
57	57-1N6	208	3	225	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
	DP/57R	480	3	800	SEE NOTES	TBD	0.9	1	1.25	-	-	-	-	2
58	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
	113A	25EP401	11'	9'-6"	1,2
25	208B	25EP402	11'	9'-6"	1,2
	307	25EP403	11'	9'-6"	1,2
51	BE111	51EP400	11'	9'-6"	1,2
	1A102	51EP401a	11'	9'-6"	1,2
	1A139	51EP401a	11'	9'-6"	1,2
	1A183	51EP401b	11'	9'-6"	1,2
52	GN29	52EP400b	12'-3 1/4"	9'-6"	1,2
	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
	2553	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

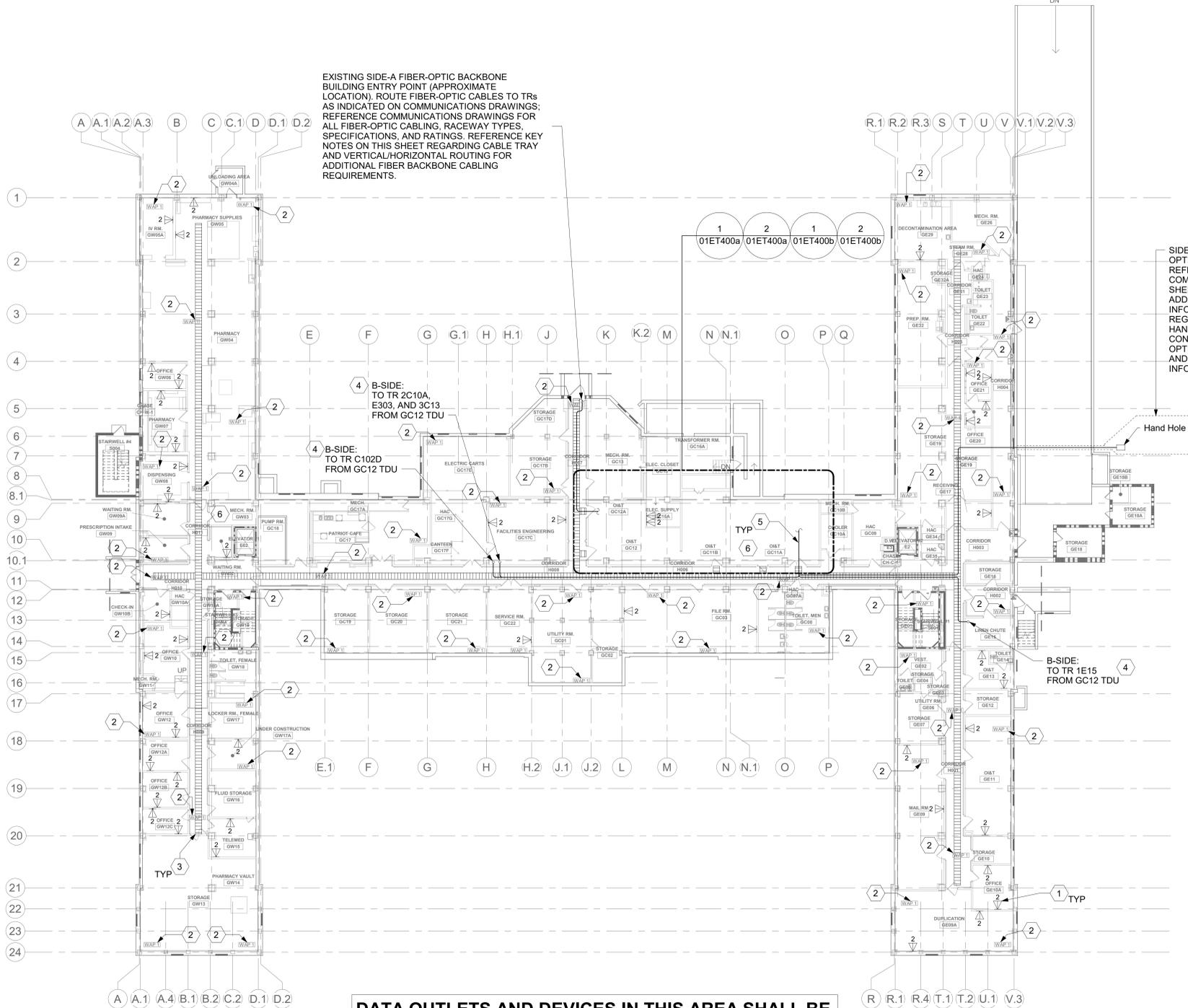
NOTES:
 1. CONTRACTOR SHALL COORDINATE LUMINAIRE MOUNTING WITH ALL ELECTRICAL, MECHANICAL, TELECOM, EQUIPMENT, AND RACEWAYS AS REQUIRED.
 2. LUMINAIRE SHALL BE SUSPENDED MOUNTED. UTILIZE ALUMINUM CHAIN AND FASTENING HARDWARE, OR EQUAL, AS REQUIRED.
 3. PROVIDE ALL HARDWARE AND FASTENING EQUIPMENT AS 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

Revisions:	Date:	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	Drawing Number
								ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	EP704
								Issue Date	300 OF 435
								03/31/2022	
								Checked	
								LRL/WM	
								Drawn	
								LLT/UPS	

GENERAL NOTES		TELECOMMUNICATIONS LEGEND				ABBREVIATIONS		SHEET INDEX	
1.	"GENERAL NOTES" APPLY TO ALL ELECTRICAL DRAWINGS. "SHEET NOTES" APPLY TO ONLY THE SHEETS ON WHICH THEY OCCUR. "KEYNOTES" APPLY ONLY WHERE CALLED OUT.								
2.	ALL EQUIPMENT SHOWN IN BOLD IS TO BE PROVIDED, OR MODIFIED BY CONTRACTOR UNLESS OTHERWISE NOTED.								
3.	CONTRACTOR SHALL PROVIDE CONDUIT AND WIRE FROM ALL CONTROL DEVICES TO LUMINAIRES FOR CONTROL OF LUMINAIRES SHOWN.								
4.	LUMINAIRES SHOWN ON DRAWINGS FOR QUALITY AND CIRCUITING ONLY. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS.								
5.	ALL FEEDERS AND BRANCH CIRCUITS SHALL CONTAIN AN EQUIPMENT GROUND CONDUCTOR SIZED PER NEC TABLE 250.122. ALL WIRING IS BASED ON COPPER PER NEC TABLE 310.15(B) USING 75° C AMPACITIES FOR FEEDERS.								
6.	BRANCH CIRCUIT CONDUCTORS, NOT OTHERWISE IDENTIFIED SHALL BE A MINIMUM 12 AWG FOR RUNS TO FEET OR LESS AND A MINIMUM 10 AWG FOR RUNS GREATER THAN 10 FEET. QUANTITY AND SIZE SHALL BE "AS REQUIRED" TO SERVE AND CONTROL DEVICE(S) OR EQUIPMENT WITH A MAXIMUM VOLTAGE DROP OF THREE PERCENT, WHERE CONTRACTOR CHOOSES TO RUN MORE THAN THREE CURRENT CARRYING CONDUCTORS WITH ONE RACEWAY OR CABLE, CONDUCTORS SHALL BE INCREASED IN SIZE TO COMPENSATE FOR THE DERATING REQUIRED PER NEC SECTION 310.15. CONDUCTOR AMPACITIES SHALL BE TAKEN FROM THE 75° C COLUMN.								
7.	MINIMUM CONDUIT SIZE IN EXTERIOR AND UNDERGROUND LOCATIONS TO BE 1" UNLESS NOTED OTHERWISE ON PLANS. CONDUITS FROM LUMINAIRES TO LOCAL USER CONTROL DEVICES (SWITCHES, OCCUPANCY SENSORS, ETC.) MAY BE 3/4" OR AS INDICATED IN SPECIFICATIONS. PROVIDE ADDITIONAL CONDUCTOR FOR UNSWITCHED "HOT" TO LIGHTING LUMINAIRES WITH EMERGENCY POWER BATTERIES OR GENERATOR TRANSFER DEVICES.								
8.	WIRING FOR EMERGENCY LIGHTING CIRCUITS OR OTHER EMERGENCY EQUIPMENT SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL MEET ALL REQUIREMENTS OF NEC SECTION 700.10.								
9.	CONTRACTORS SHALL PROVIDE CONDUIT AND WIRE FOR ALL CIRCUITS SHOWN ON DRAWINGS.								
10.	WHERE EQUIPMENT PART NUMBERS ARE SHOWN ON THESE PLANS THEY SHALL SUPERCEDE THE REQUIREMENTS OF THE SPECIFICATIONS.								
11.	ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.								
12.	COORDINATE EXACT LOCATION OF ALL OUTLETS, COMBINATION CLOCK/SPEAKERS, SPEAKER, FA DEVICES, ETC., WITH THE ARCHITECTURAL ELEVATIONS PRIOR TO COMMENCING WORK.								
13.	COORDINATE USE OF CEILING SPACE WITH ALL TRADES PRIOR TO COMMENCING WORK. MANY AREAS ARE VERY CONGESTED AND REQUIRE CLOSE COORDINATION.								
14.	COORDINATE INSTALLATION REQUIREMENTS FOR OCCUPANCY SENSOR LIGHTING CONTROL WITH THE MANUFACTURER. PROVIDE ADDITIONAL SENSORS WHERE REQUIRED BY THE MANUFACTURER. TELECOMMUNICATIONS SHALL BE PROVIDED TO PROVIDE COMPLETE COVERAGE IN EACH ROOM CONTROLLED BY OCCUPANCY SENSORS.								
15.	COORDINATE THE INSTALLATION OF ALL EXTERIOR OUTLET BOXES WITH THE TYPE OF MASONRY IN EACH AREA. CUT ALL FLUTED BLOCKS SO THAT THE BOX IS INSTALLED FLUSH. SEE ARCHITECTURAL DETAILS FOR MOUNTING REQUIREMENTS.								
16.	SEAL ALL CONDUIT PENETRATIONS OF FLOORS AND FIRE RATED ASSEMBLIES WITH U.L. APPROVED MATERIALS AND METHODS TO MAINTAIN FIRE RATING. PROTECT ALL OPENINGS FOR STEEL ELECTRICAL BOXES IN WALLS WITH U.L. APPROVED MATERIALS AND METHODS TO MAINTAIN THE FIRE INTEGRITY.								
17.	PROVIDE ADDITIONAL CONDUIT SLEEVES THROUGH WALLS WHERE REQUIRED FOR ROUTING OF SIGNAL SYSTEM WIRING NOT REQUIRED TO BE RUN IN CONDUIT. EACH SLEEVE SHALL BE DEDICATED TO EACH SIGNAL SYSTEM. SLEEVES ROUTED THROUGH RATED WALLS SHALL BE SEALED WITH U.L. MATERIALS AND METHODS TO MAINTAIN FIRE RATINGS OF WALL.								
18.	SEE MECHANICAL/PLUMBING DRAWINGS AND SUBMITTALS FOR EXACT LOCATIONS AND ADDITIONAL ELECTRICAL REQUIREMENTS PRIOR TO INSTALLATION.								
19.	ALL LOW VOLTAGE SYSTEMS NOT RUN IN CONDUIT SHALL HAVE MINIMUM 34°C. ROUTED FROM THE DEVICE THROUGH WALLS IN ACCESSIBLE CEILING SPACE. NO CABLING SHALL BE ROUTED IN THE WALLS OR INACCESSIBLE LOCATION WITHOUT CONDUIT.								
20.	GFCI RECEPTACLES ARE REQUIRED WITHIN 6 FT OF ALL SINKS, ON THE EXTERIOR BELOW 8 FT FROM THE FINISH FLOOR, AND ON ALL ROOFS.								
21.	UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE COR.								
22.	CONTRACTOR SHALL PROVIDE DUCT SEAL WHERE CONDUITS TRANSITION FROM AREAS THAT CREATE TEMPERATURE DIFFERENTIAL PER NEC.								
23.	PRIMARY CONDUIT SWEEPS SHALL BE LONG RADII.								
24.	ALL "RMC" - RIGID METAL CONDUIT IN CONTACT WITH THE EARTH SHALL BE WRAPPED WITH CORROSION PROTECTION TAPE PER NEC.								
25.	ALL "J" BOXES SHALL BE MARKED WITH INDELIBLE MARKER INDICATING CONDUIT NUMBER AND PANEL NUMBER.								
26.	THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL 120 VOLT POWER FOR THE MECHANICAL CONTROLS. COORDINATE EXACT REQUIREMENTS WITH THE CONTROL CONTRACTOR.								
27.	ALL ELECTRICAL WORK SHALL BE COMPLETED WITH ALL PROXIMATE ELECTRICAL CIRCUITS DE-ENERGIZED (I.E. A NEW BREAKER OR CIRCUIT CANNOT BE ADDED TO A PANEL UNLESS THE PANEL IS COMPLETELY DE-ENERGIZED), OR THE CONTRACTOR MUST COMPLY WITH NFPA 70E FOR WORK ON ENERGIZED SERVICE. THE VA WILL DETERMINE IF THE ELECTRICAL SERVICE CAN BE SHUTDOWN OR IT WILL HAVE TO BE WORKED HOT DEPENDING ON THE CRITICALITY OF THE AREA BEING AFFECTED. IF THE WORK MUST BE DONE WITH THE SERVICE LIVE, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED PROTECTIVE TOOLS, EQUIPMENT AND CLOTHING, AND MUST FOLLOW THE JOB SPECIFIC WORK PLAN PREPARED BY THE VA, WORK THAT REQUIRES SHUTTING DOWN ELECTRICAL SERVICE MAY HAVE TO BE ACCOMPLISHED DURING OTHER THAN NORMAL DUTY HOURS.								
28.	WHENEVER FIRE ALARM WORK TAKES PLACE IN AN AREA THAT IS BEING REMODELED, AT THE CONCLUSION OF THE WORK, THE FIRE ALARM CONTRACTOR SHALL TEST ALL FIRE ALARM DEVICES WITHIN THE AREA OF REMODEL.								
29.	DEMOLITION PLANNOTES ARE BASED ON SITE INVESTIGATIONS AND RECORD DRAWINGS. IF DISCREPANCIES ARE FOUND THAT MAY IMPACT WORK, PROMPTLY NOTIFY VA AND ENGINEER OF SAID DISCREPANCY.								
30.	CONTRACTOR SHALL DISPOSE OF THE REMOVED DEVICES. DISPOSAL OF DEVICES SHALL COMPLY WITH ALL APPROPRIATE CODES.								
31.	FIELD VERIFY RACEWAY DEMOLITION AND INSTALLATIONS PRIOR TO PERFORMING WORK.								
32.	ALL EQUIPMENT CABLING, CONNECTORS AND APPURTENANCES SHALL BE LABELED PER THE VA STANDARD "INFRASTRUCTURE STANDARD FOR TELECOMMUNICATIONS SPACE" VERSION 3.1 OR NEWER.								
33.	FIBER-OPTIC CABLING ROUTES AND ASSOCIATED RACEWAYS/CABLE TRAY ARE DIAGRAMMATICALLY COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS. ARCHITECTURAL FEATURES, MECHANICAL DUCTWORK, PIPING, EQUIPMENT, AND ANY OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.								
34.	ALL ETHERNET CATEGORY CABLES SHALL FOLLOW THE FOLLOWING CABLE COLOR SCHEME: DATA SHALL BE BLUE/TEAL, PHONES SHALL BE GRAY, AND (WIRELESS) ACCESS POINTS SHALL BE YELLOW. COORDINATE WITH VA FOR ALL CABLING COLOR SCHEMES AS REQUIRED PRIOR TO SUBMITTAL PROCESS.								
35.	TOTAL NUMBER OF DATA CONNECTIONS AND CABLING FOR WAOs AND WAPs SHALL BE VERIFIED BY CONTRACTOR PRIOR TO ACQUISITION OF EQUIPMENT AND CABLING. CONTRACTOR SHALL PROVIDE AN INITIAL SURVEY OF ALL AREAS TO HAVE UPGRADED WAOs AND OTHER DATA CONNECTED EQUIPMENT IN ORDER TO VERIFY EXACT LOCATIONS AND QUANTITIES PRIOR TO CONSTRUCTION.								
36.	CONTRACTOR MAY USE TEMPORARY CABLE HANGERS OR OTHER MEANS WHILE ROUTING CABLE TO ITS INTENDED DESTINATION; HOWEVER, PRIOR TO FINAL INSTALLATION, CABLE SHALL BE INSTALLED TO BE HOUSED WITHIN CABLE TRAY AND NOT ON TEMPORARY CABLE HANGERS.								
<p>COMMUNICATION OUTLETS</p> <p>FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. # = INDICATES QUANTITY OF VOICE AND DATA JACKS</p> <p>WALL MOUNTED TELECOMMUNICATIONS OUTLET, 18" AFF UON # = INDICATES QUANTITY OF VOICE AND DATA JACKS</p> <p>OUTLET: LETTER INDICATES AS FOLLOWS: A=AUDIO V=VIDEO I=INTERCOM</p> <p>OUTLET, TELEVISION BLANK # 4 1/16" MASTER ANTENNA OUTLET BOX WITH BLANK COVER, MTD, 18" AFF UNLESS OTHERWISE NOTED. C = CAMERA (CCTV SYSTEM), MTD 18" AFF M = MOUNT (CCTV SYSTEM).</p> <p>TELECOMMUNICATIONS OUTLET, SPECIAL PURPOSE. REFERENCE KEY NOTES ON PLANS FOR ADDITIONAL INFORMATION.</p> <p>COMMUNICATION</p> <p>FIBEROPTICS LINE = FO</p> <p>TELEPHONE LINE = T</p> <p>SPEAKER, CEILING MOUNTED</p> <p>SPEAKER, WALL MOUNTED, MTD, 7-4" AFF UON.</p> <p>RADIO CHANNEL SELECTOR FACILITIES, MTD, 4-4" AFF UON. M = SPEAKER PROGRAM SELECTOR SWITCH & VOLUME CONTROL</p> <p>3-POLE TWIST-LOCK RECEPTACLE FOR MICROPHONE, MTD, 4-4" AFF.</p> <p>REMOTE DICTATING OUTLET MTD 1'-6" AFF. UON.</p> <p>INTERCOM STATION (REFER TO SPECS. FOR FUNCTIONAL OPERATION OF INSTRUMENT & TYPE REQUIRED). S = STAFF STATION</p> <p>WIRELESS ACCESS PORT</p> <p>WALL MOUNTED SPEAKER/CLOCK COMBINATION</p> <p>WALL CLOCK</p> <p>CABLE TRAY</p> <p>RECESSED AUDIO FLOOR PACK BOX, OUTLET AND CONDUIT</p> <p>TELECOMMUNICATIONS SYSTEMS BONDING BUSBAR</p> <p>FIBER OPTIC NETWORK CARD</p> <p>FIRE ALARM</p> <p>ADDRESSABLE RELAY</p> <p>ALARM, FIRE, COMMUNICATOR</p> <p>ALARM, FIRE, PANEL LETTERS INDICATE AS FOLLOWS: FACC = CENTRAL CONSOLE FACP = CONTROL PANEL MFACP = MASTER CONTROL PANEL FAAP = ANNUNCIATOR PANEL</p> <p>ALARM, FIRE, LETTERS INDICATE AS FOLLOWS: BATT = BATTERIES CHR = CHARGER FAR = RECORDER</p> <p>ALARM, FIRE, VALVE SUPERVISORY SWITCH.</p> <p>ALARM, FIRE, TERMINAL CABINET.</p> <p>ALARM, FIRE, POST INDICATOR VALVE.</p> <p>ALARM, TRANSDUCER OR TRANSMITTER.</p> <p>ALARM, FIRE, MANUAL PULL STATION C = WITH CLEAR PLASTIC COVER ALARM, HORN/LIGHT, ONE ASSEMBLY C = WITH CHIME</p> <p>ALARM, HORN/LIGHT, SEPARATE ASSEMBLY</p> <p>ALARM, LAMP LIGHT, SIGNAL LIGHT, STROBE</p> <p>ALARM, MANUAL CONTROL</p> <p>ALARM, MINI HORN</p> <p>ALARM, SPRINKLER SYSTEM WATER FLOW BELL</p> <p>ALARM, VOICE COMMUNICATION PANEL</p> <p>ALARM, TAMPER SWITCH</p> <p>DETECTION GAS, C = CARBON DIOXIDE TRANSMITTER</p> <p>DETECTOR, FLOW SWITCH</p> <p>DETECTOR, HEAT</p> <p>DETECTOR, SMOKE</p> <p>DETECTOR, SMOKE, FOR DUCT</p> <p>ELECTROMAGNETIC TYPE DOOR HOLDER OUTLET</p> <p>CITY FIRE ALARM MASTER STATION MTD 5'-6" AFF UNLESS NOTED.</p> <p>FIRE ALARM TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.</p> <p>FIRE ALARM TROUBLE TRANSMITTER (BASE LOOP) NUMERALS DENOTE CODE.</p> <p>FIRE SPRINKLE WATER FLOW SWITCH</p> <p>KITCHEN HOOD FIRE SUPPRESSION SYSTEM</p> <p>REMOTE ANNUNCIATOR</p> <p>ALARM, CHECK VALVE</p> <p>ALARM, GONG</p> <p>ALARM, HORN/LIGHT, ONE ASSEMBLY</p> <p>DETECTION, SMOKE CONTROL AND PRESSURE PANEL</p> <p>DETECTION SWITCH, ABORT</p> <p>COMMUNICATION OUTLETS</p> <p>D-ELECTRIFIED M-MECHANICAL X-HIGH SECURITY</p> <p>FIBER OPTIC MODULE: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>FIELD PANEL: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>GLASS BREAKAGE SENSOR: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>RECORDER: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>SECURITY ACCESS, BUZZER, MTD 1'-6" (457mm) AFF UNLESS OTHERWISE NOTED</p> <p>SECURITY ACCESS, "X" INDICATES THE TYPE, PROVIDE SCHEDULE OR LEGEND</p> <p>SECURITY ACCESS, HORN OR SIREN</p> <p>SECURITY ACCESS, OUTDOOR MICROWAVE TRANSMISSION UNIT</p> <p>SECURITY ACCESS, PANIC ALARM</p> <p>SECURITY ACCESS, VIDEO CAMERA WITH LENS M = MOTION DETECTOR PZ = MOTION DETECTOR WITH PAN AND ZOOM PTZ = MOTION DETECTOR WITH PAN, TILT, AND ZOOM</p> <p>SECURITY SCREEN WITH ALARM: LETTER INDICATES AS FOLLOWS: T=TECHNOLOGY/TYPE B-BIND S-SHADE</p> <p>SECURITY WINDOW SCREEN: LETTER INDICATES AS FOLLOWS: T=TECHNOLOGY/TYPE B-BIND</p> <p>VIDEO CONTROL KEYBOARD</p> <p>VIDEO MOTION DETECTOR</p> <p>SECURITY ACCESS, SENSOR, BURIED VEHICULAR</p> <p>SECURITY ACCESS, SWITCH, BALANCED MAGNETIC CONTROL</p> <p>SAFETY AND SECURITY</p> <p>M = MOUNTING FOR ALL SAFETY AND SECURITY SYMBOLS: C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL</p> <p>AUDIO DEVICE: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>B-BELL C-CHIME H-HORN K-KLAXON L-LISTEN M-MICROPHONE S-SOUNDER S-SPEAKER Z-BUZZER</p> <p>KEYPAD DEVICE: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL</p> <p>CARD READER WITH KEYPAD: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL</p> <p>CARD ACCESS READER: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>B-BARCODE F-ELEVATOR FLOOR CALL H-ELEVATOR WALL CALL M-MAG STRIP M-PROXIMITY S-SMART CARD T-TOKEN</p> <p>DOOR CONTACT</p> <p>ELECTRONIC LOCK: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>H-HYBRID L-LATCH SET S-STRIKE</p> <p>INTERCOM: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>M-MASTER S-SUBSTATION</p> <p>MOTION DETECTOR: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>D-DUAL TECHNOLOGY I-IR-INFRARED M-MICROWAVE U-ULTRASONIC</p> <p>PUSH BUTTON: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>B-BELL PUSH D-DRESS P-PANIC R-DOOR OPENER X-REQUEST FOR EXIT</p> <p>SECURITY ACCESS, ANNUNCIATOR PANEL</p> <p>SECURITY ACCESS, VIDEO CAMERA WITH LENS</p> <p>SECURITY ACCESS, VIDEO CAMERA WITH LENS, ANGLE OF VIEW</p> <p>SECURITY ACCESS, PANNING CAMERA TRAVERSE ANGLE</p> <p>BL/STATIC BEAM SENSOR: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>I-IR-INFRARED M-MICROWAVE F-FUNCTION R-RECEIVE TX-TRANSMIT</p> <p>BIOMETRICS ACCESS CONTROL DEVICE: LETTER INDICATED AS FOLLOWS: M=MOUNT C-CELLING T=TECHNOLOGY/TYPE</p> <p>F-FINGER PRINT H-HAND GEOMETRY HEYE IRIS R-REYE RETINA V-VOICE</p> <p>CARD READER WITH TIME AND ATTENDANCE: LETTER INDICATED AS FOLLOWS: M=MOUNT C-CELLING T=TECHNOLOGY/TYPE</p> <p>CENTRAL PROCESSING UNIT</p> <p>CONTROL PANEL: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>EXIT DEVICE: LETTER INDICATED AS FOLLOWS: T=TECHNOLOGY/TYPE</p> <p>D-DELAYED EGRESS E-ELECTRIFIED M-MECHANICAL X-HIGH SECURITY</p> <p>FIBER OPTIC MODULE: LETTER INDICATED AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>R-RECEIVER T-TRANSCIVER TX-TRANSMITTER</p> <p>FIELD PANEL: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>GLASS BREAKAGE SENSOR: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>MONITOR: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>D-DATA I-IR-INFRARED M-MULTISCREEN V-VIDEO</p> <p>RECORDER: LETTER INDICATES AS FOLLOWS: M=MOUNT C-CELLING D-DESK F-FLUSH H-HIDDEN M-MULLION P-PEDESTAL R-RACK S-SURFACE W-WALL T=TECHNOLOGY/TYPE</p> <p>SECURITY ACCESS, BUZZER, MTD 1'-6" (457mm) AFF UNLESS OTHERWISE NOTED</p> <p>SECURITY ACCESS, "X" INDICATES THE TYPE, PROVIDE SCHEDULE OR LEGEND</p> <p>SECURITY ACCESS, HORN OR SIREN</p> <p>SECURITY ACCESS, OUTDOOR MICROWAVE TRANSMISSION UNIT</p> <p>SECURITY ACCESS, PANIC ALARM</p> <p>SECURITY ACCESS, VIDEO CAMERA WITH LENS M = MOTION DETECTOR PZ = MOTION DETECTOR WITH PAN AND ZOOM PTZ = MOTION DETECTOR WITH PAN, TILT, AND ZOOM</p> <p>SECURITY SCREEN WITH ALARM: LETTER INDICATES AS FOLLOWS: T=TECHNOLOGY/TYPE B-BIND S-SHADE</p> <p>SECURITY WINDOW SCREEN: LETTER INDICATES AS FOLLOWS: T=TECHNOLOGY/TYPE B-BIND</p> <p>VIDEO CONTROL KEYBOARD</p> <p>VIDEO MOTION DETECTOR</p> <p>SECURITY ACCESS, SENSOR, BURIED VEHICULAR</p> <p>SECURITY ACCESS, SWITCH, BALANCED MAGNETIC CONTROL</p> <p>CONDUIT OR EQUIPMENT TO BE REMOVED</p> <p>CONDUIT ROUTED UNDERGROUND OR UNDERFLOOR</p> <p>CONDUIT CONCEALED IN WALL, CEILING, OR UNDER FLOOR WHERE POSSIBLE, OTHERWISE EXPOSED</p> <p>EXISTING CONDUIT EXPOSED, EXISTING TO REMAIN UNLESS OTHERWISE NOTED</p> <p>EXISTING CONDUIT ROUTED UNDERGROUND, EXISTING TO REMAIN UNLESS OTHERWISE NOTED</p> <p>EXTRA-HARD USAGE FLEXIBLE CORD</p> <p>FLEXIBLE CORD</p> <p>CONDUIT TURNED UP OR TOWARD</p> <p>CONDUIT TURNED DOWN OR AWAY</p> <p>CONDUIT CAPPED</p> <p>THIS SHEET IS FOR REFERENCE ONLY AND ALL SYMBOLS, NOTES AND ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT</p>									
<p>GENERAL SYMBOLS</p> <p>SCALE SECTION LETTER</p> <p>SECTION</p> <p>SHEET WHERE SECTION IS TAKEN FROM</p> <p>SECTION LETTER</p> <p>SHEET WHERE SECTION IS TAKEN FROM</p> <p>DETAIL NUMBER</p> <p>SHEET ON WHICH DETAIL APPEARS</p> <p>DETAIL AREA</p> <p>CONDUIT & WIRE TAG (REFER TO CONDUIT AND WIRE SCHEDULE)</p> <p>XXNG</p> <p>FAULT CURRENT TAG (3 PH. SYM AMPS)</p> <p>KEY NOTE</p> <p>IF PHOTO, ARROW DENOTES DIRECTION TAKEN</p> <p>FIGURE OR PHOTO DETAIL NUMBER</p> <p>SHEET WHERE DETAIL IS TAKEN FROM</p> <p>DETAIL PLAN NUMBER</p>									
<p>CONSULTANT</p> <p>ARCHITECT/ENGINEER OF RECORD</p> <p>A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES</p> <p>STAMP</p> <p>Office of Construction and Facilities Management U.S. Department of Veterans Affairs</p> <p>Drawing Title: TELECOMMUNICATIONS LEGEND, GENERAL NOTES, AND ABBREVIATIONS</p> <p>Phase: CONSTRUCTION DOCUMENTS</p> <p>Project Title: EHRM INFRASTRUCTURE UPGRADES</p> <p>Location: ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO</p> <p>Issue Date: 03/31/2022</p> <p>Checked: LRL/WMN</p> <p>Drawn: JGE/JBB</p> <p>Project Number: 657-21-701JB</p> <p>Building Number: -</p> <p>Drawing Number: ETG001</p> <p>301 OF 435</p>									

A
B
C
D
E
F



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"

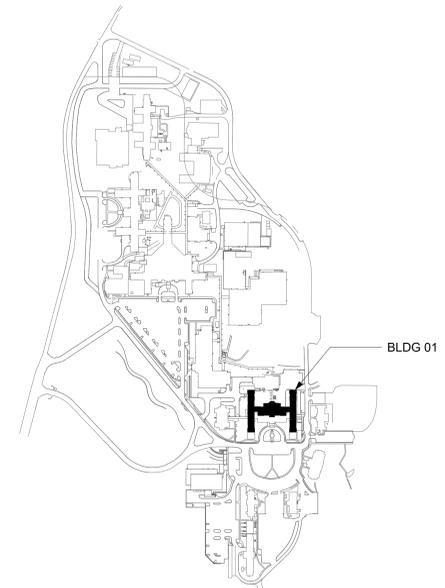
GENERAL NOTES

- 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 AS CONDUIT FILL ALLOWS. PROVIDE ADDITIONAL RACEWAYS TO EXTEND TO ASSOCIATED TR AS REQUIRED.
- 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.
- CONTRACTOR SHALL PROVIDE, INSTALL, AND TERMINATE HORIZONTAL CAT6A CABLING FROM EACH WAO (WORK AREA OUTLET) TO ITS RESPECTIVE TR.
- PROVIDE PULL BOXES SIZED PER ANSII/A-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 ANY 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-FEED 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.
- 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.
- 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



Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZKO STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER	VA U.S. Department of Veterans Affairs	BLDG 01 - 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	01
							Issue Date	Drawing Number
							03/31/2022	01ET100
							Checked	302 OF 435
							LRJ/WNM	
							JGE/JBB	

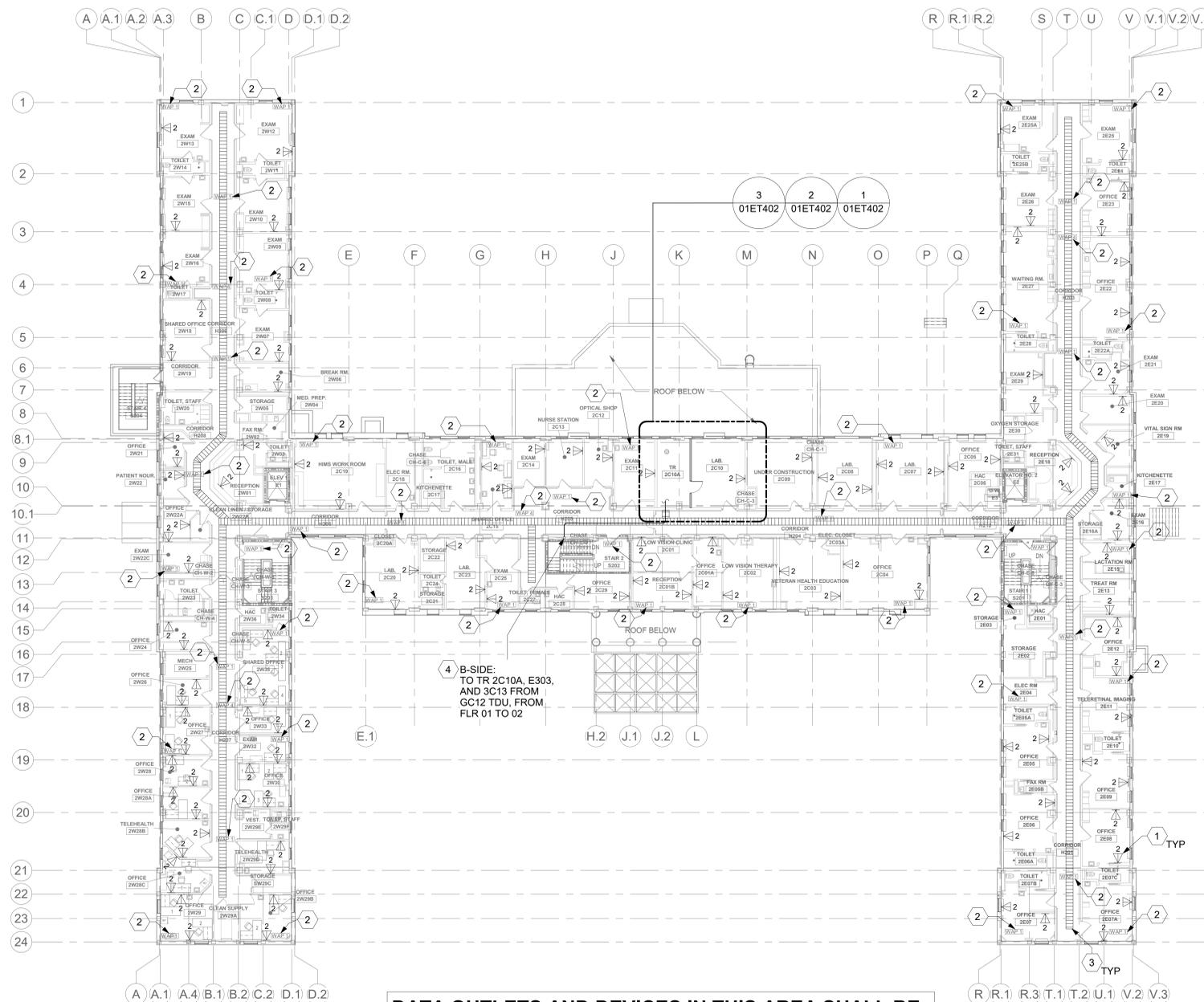
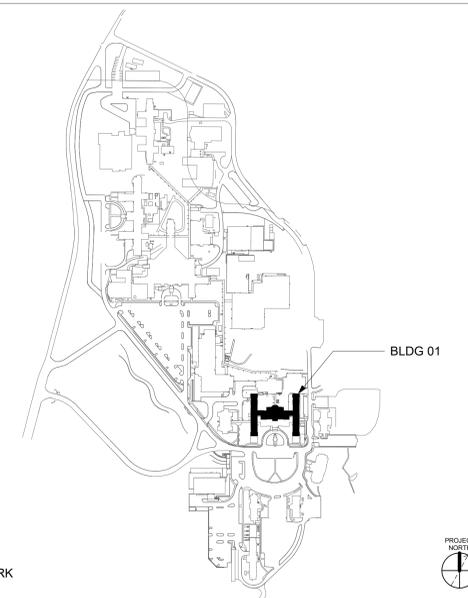
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- ALL EXISTING EQUIPMENT MAY NOT BE SHOWN FOR CLARITY. CONTRACTOR SHALL FIELD VERIFY ALL POWER AND SIGNAL DEVICES AND ASSOCIATED CIRCUITRY AS REQUIRED. ALL RACEWAYS AND CONDUCTORS ASSOCIATED WITH EQUIPMENT TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THEIR SOURCE, UNLESS OTHERWISE NOTED.
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- 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.
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KEY NOTES

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KEY PLAN



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

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

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			BLDG 01 - FLOOR 2 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Drawing Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	01ET102
							Issue Date	304 OF 435
							Checked	
							Drawn	

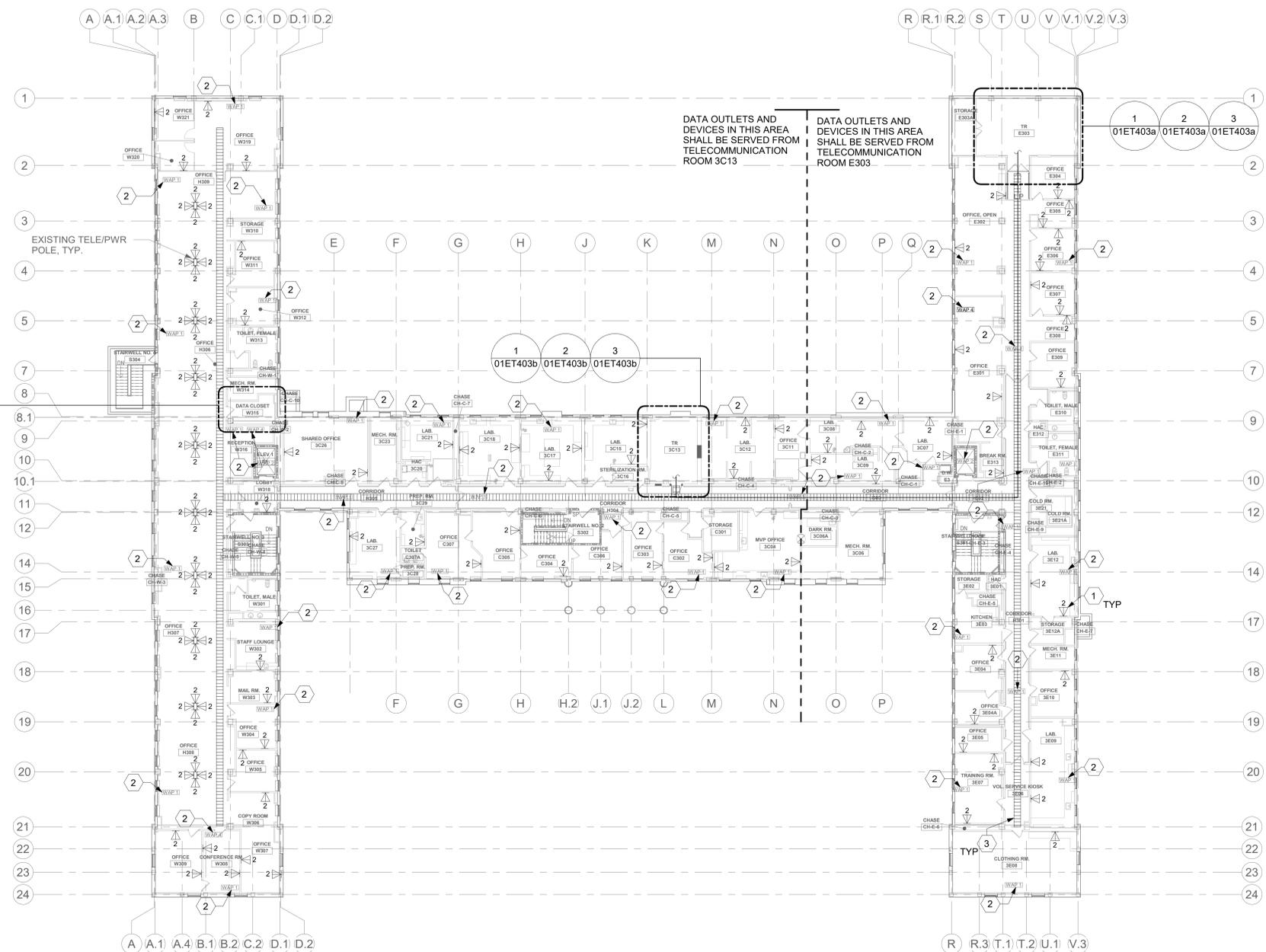
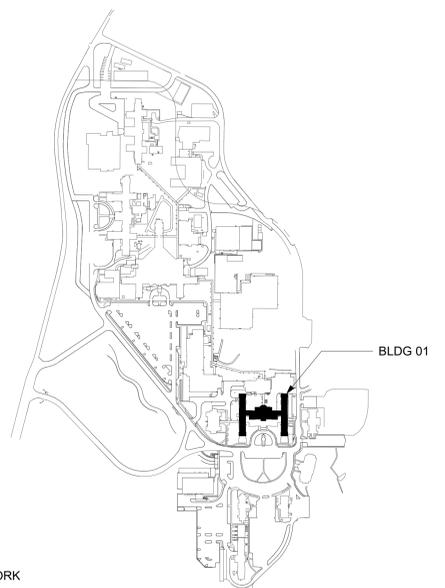
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KEY PLAN



ALL BACKBONE CABLEING 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 CABLEING.

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

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZGO STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER	VA U.S. Department of Veterans Affairs	BLDG 01 - FLOOR 3 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
							ST. LOUIS VA MEDICAL CENTER - JEFFERSON BARRACKS, MO	01
							Issue Date	Drawing Number
							03/31/2022	01ET103
							Checked	305 OF 435
							LRU/WNM	
							Drawn	
							JGE/JBB	

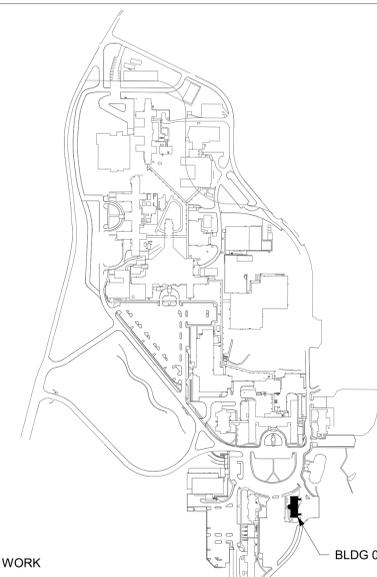
GENERAL NOTES

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. COORDINATE WITH ARCHITECTURAL DRAWINGS AS REQUIRED.
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. PROVIDE RACEWAYS TO EXTEND TO ASSOCIATED TR.
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 ANS/ITIA-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 OTHER OBSTRUCTIONS PRIOR TO INSTALLATION.

KEY NOTES

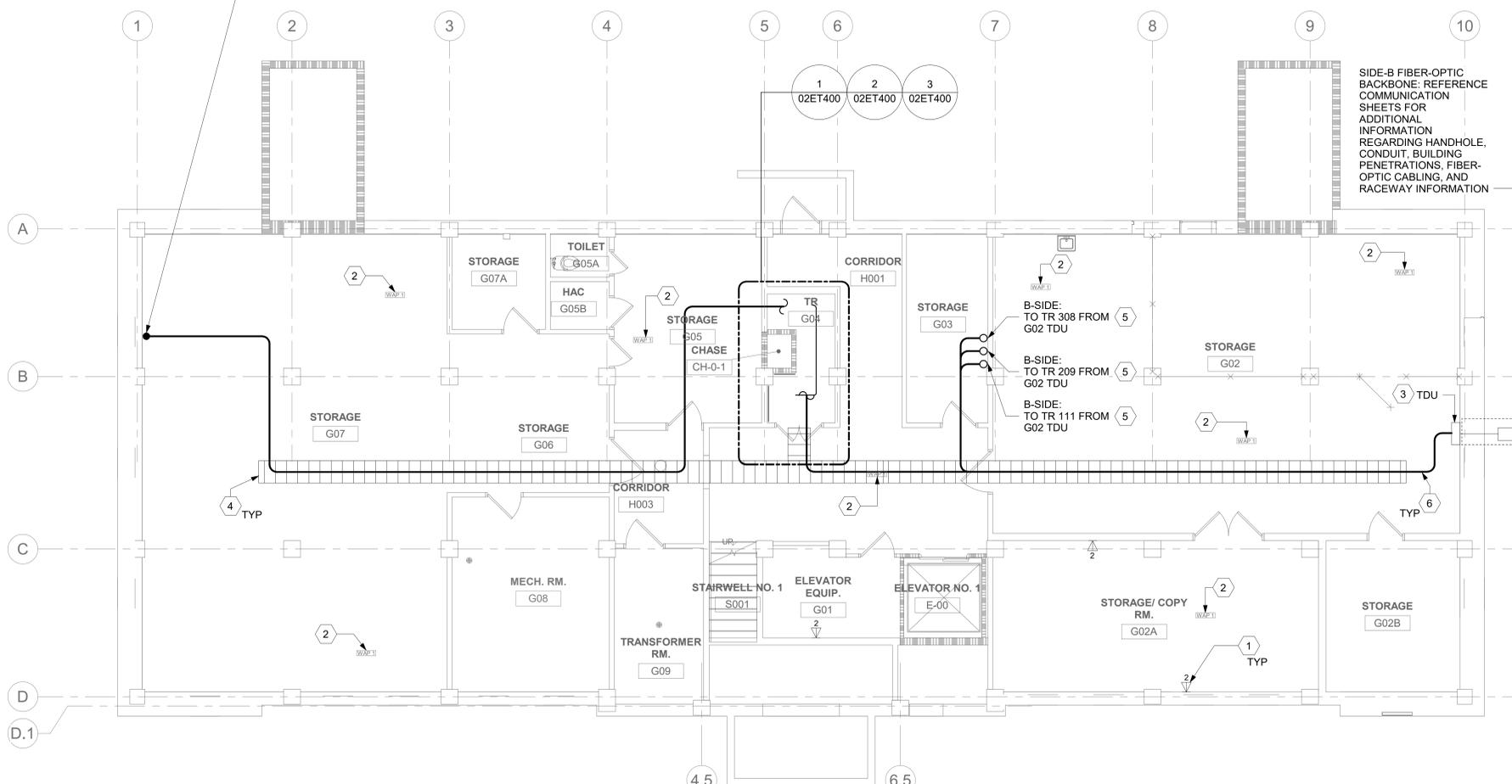
- 1 PROVIDE TELECOMMUNICATIONS OUTLET WITH PORT QUANTITY SHOWN TO REPLACE EXISTING TELECOMMUNICATIONS OUTLET. EXISTING OUTLET CONDUIT SHALL REMAIN AND BE UTILIZED TO FEED NEW CABLING; REFERENCE SHEET DETAIL '1' ON SHEET ET503 AND THE GENERAL NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION. COORDINATE WITH VA FOR EXACT OUTLET PLACEMENT.
- 2 EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
- 3 TUBE DISTRIBUTION UNIT (TDU), REFERENCE COMMUNICATION DRAWINGS FOR ADDITIONAL INFORMATION.
- 4 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.
- 5 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.
- 6 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



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, BUILDING PENETRATIONS, FIBER-OPTIC CABLING, AND RACEWAY INFORMATION



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.

1 BLDG 02 - FLOOR 0 - TELECOMMUNICATIONS PLAN
3/16" = 1'-0"
PROJECT NORTH

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES	LOUIS R. LITZKO STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER	VA U.S. Department of Veterans Affairs	BLDG 02 - FLOOR 0 - TELECOMMUNICATIONS PLAN	CONSTRUCTION DOCUMENTS	EHRM INFRASTRUCTURE UPGRADES	657-21-701JB
					Approved:	FULLY SPRINKLERED	Location	Building Number
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							Issue Date	Drawing Number
							03/31/2022	02ET100
							Checked	Drawn
							LRU/WM	JGE/JBB
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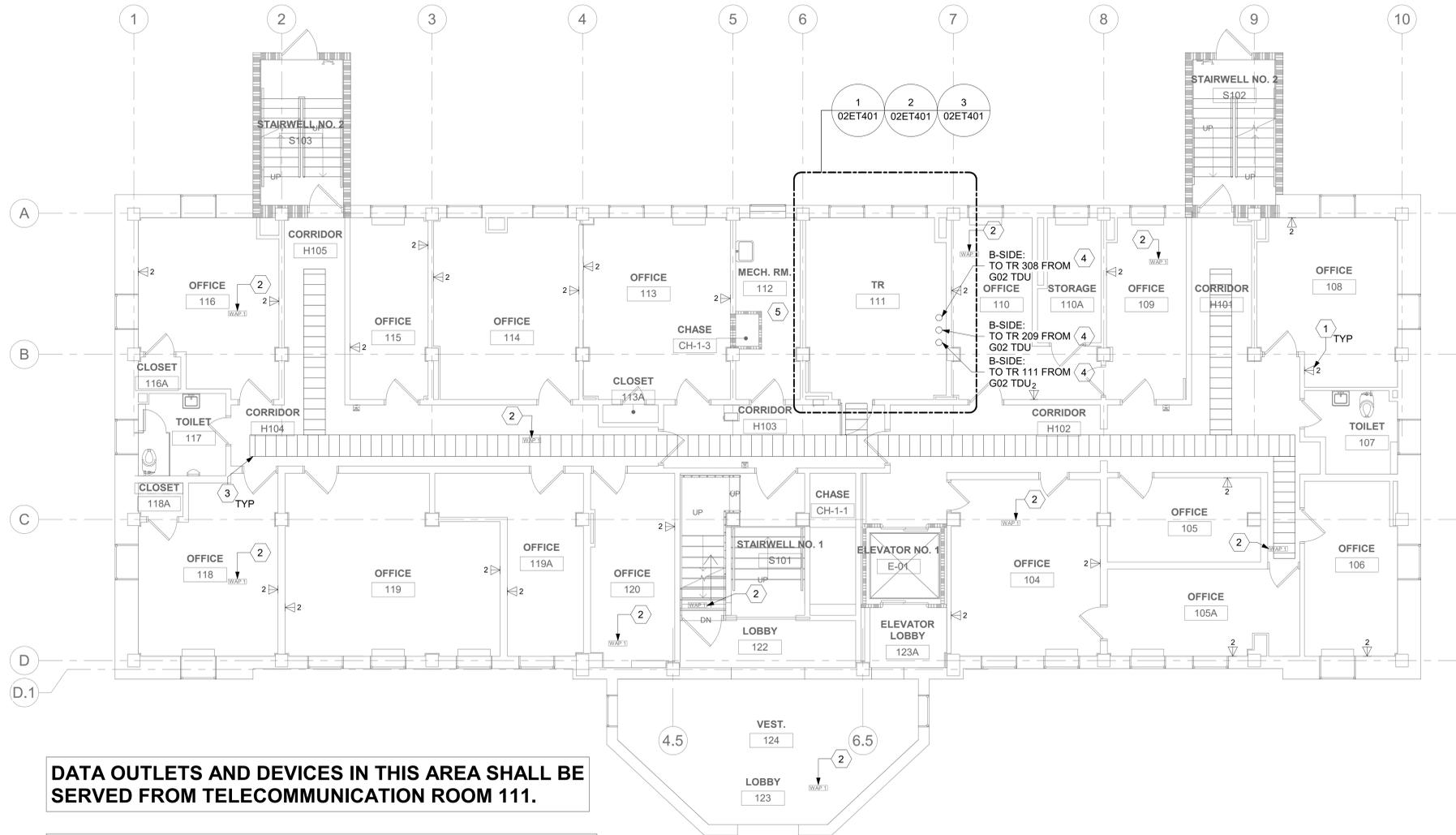
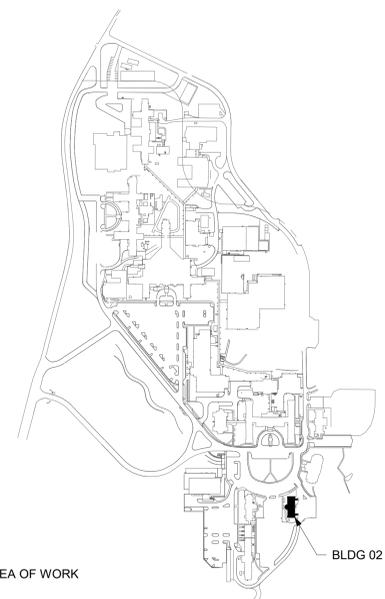
GENERAL NOTES

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.
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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.
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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.
2. EXISTING WIRELESS ACCESS POINT TO BE RE-FED WITH CAT6A CABLING.
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5. 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

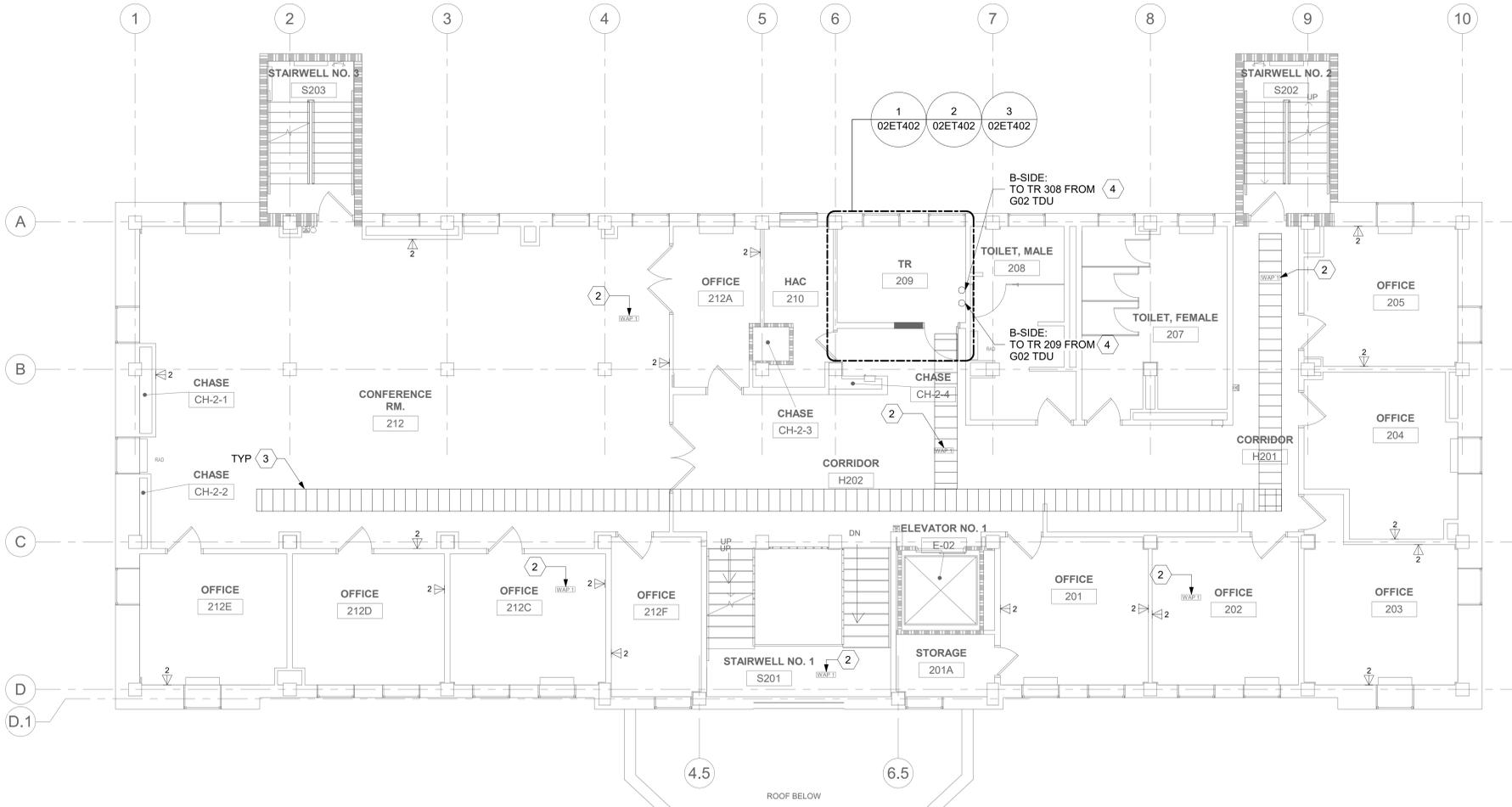


DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 111.

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1 BLDG 02 - FLOOR 1 - TELECOMMUNICATIONS PLAN
3/16" = 1'-0"
PROJECT NORTH

Revisions:	CONSULTANT	ARCHITECT/ENGINEER OF RECORD	STAMP	Office of Construction and Facilities Management	Drawing Title	Phase	Project Title	Project Number
	Date:	A/E: SPEES DESIGN BUILD 625 1ST AVE, STE 301 SEATTLE, WA 98104 (206) 590-2118 RAY SPEES			BLDG 02 - FLOOR 1 - 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	Drawing Number
							03/31/2022	02ET101
							Checked	307 OF 435
							LRU/WNM	
							Drawn	
							JGE/JBB	



DATA OUTLETS AND DEVICES IN THIS AREA SHALL BE SERVED FROM TELECOMMUNICATION ROOM 209.

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1 BLDG 02 - FLOOR 2 - TELECOMMUNICATIONS PLAN
3/16" = 1'-0" PROJECT NORTH

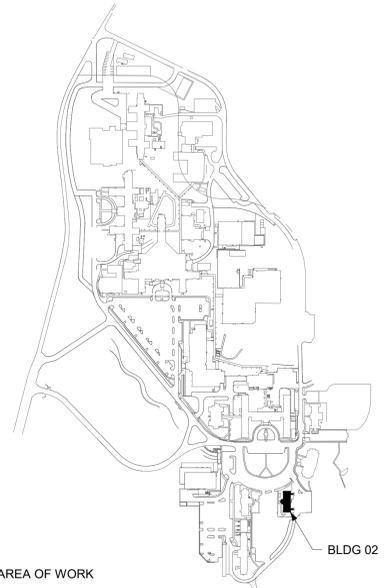
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KEY PLAN



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							Checked	308 OF 435
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							JGE/JBB	