



PROJECT:

ADDRESS:

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT								
CONDUITS													
1	3/4" EMT Conduit	17193	10%	18912	FT	\$							
	3/4" Set Screw Steel Coupling	1720	10%	1892	EA	\$							
	3/4" Set Screw Steel Connectors	860	10%	946	EA	\$							
	3/4" 1-Hole Strap	2150	10%	2365	EA	\$							
2	3/4" RGS Conduit (Length Assumed)	300	10%	330	FT	\$							
3	1" EMT Conduit	939	10%	1033	FT	\$							
	1" Set Screw Steel Coupling	94	10%	103	EA	\$							
	1" Set Screw Steel Connectors	47	10%	52	EA	\$							
	1" 1-Hole Strap	118	10%	130	EA	\$							
4	1-1/4" EMT Conduit	188	10%	207	FT	\$							
	1-1/4" Set Screw Steel Coupling	19	10%	21	EA	\$							
	1-1/4" Set Screw Steel Connectors	5	10% EA	6	EA	\$							
	1-1/4" 1-Hole Strap	24	10%	26	EA	\$							
5	2-1/2" EMT Conduit	254	10%	279	FT	\$							
	2-1/2" Set Screw Steel Coupling	26	10%	29	EA	\$							
	2-1/2" Set Screw Steel Connectors	13	10%	14	EA	\$							
	2-1/2" 1-Hole Strap	32	10%	35	EA	\$							
6	3" Empty EMT Conduit	63	10%	69	FT	\$							
	3" Set Screw Steel Coupling	7	10%	8	EA	\$							
	3" Set Screw Steel Connectors	4	10%	4	\$								
	3" 1-Hole Strap	8	10%	9	EA	\$							
7	4" PVC Conduit	348	10%	383	FT	\$							
8	4" EMT Conduit	242	10%	266	FT	\$							
	4" Set Screw Steel Coupling	25	10%	28	EA	\$							
	4" Set Screw Steel Connectors	4	10%	4	EA	\$							
	4" 1-Hole Strap	31	10%	34	EA	\$							
CONDUCTORS													
1	CAT 5	1800	10%	1980	FT	\$							
2	2#14 (Considered for Fire Alarm)	1261	10%	1387	FT	\$							
3	2#12, #12 MC Cable	1763	10%	1939	FT	\$							
4	2#12, #12 G	14283	10%	15712	FT	\$							
5	3#12, #12 G	254	10%	280	FT	\$							
6	2#10, #10 G	910	10%	1001	FT	\$							
7	3#10, #10 G	364	10%	401	FT	\$							
8	3#8, #10 G	318	10%	350	FT	\$							
9	4#8, #10 G	54	10%	59	FT	\$							
10	4#2, 1#8 G	188	10%	207	FT	\$							
11	3#3/0, 1#6 G	18	10%	20	FT	\$							
12	4#3/0, 1#6 G	97	10%	107	FT	\$							
13	4#3/0, 1#3 G	590	10%	649	FT	\$							
14	5#3/0, 1#6 G	42	10%	46	FT	\$							
15	Belden P/N 6509UE or Alpha P/N 58120/12 (12 Conductor, 22 Gauge, Stranded)	67	10%	74	FT	\$							

GROUNDING					
1	#3/0 Insulated Copper Grounding Electrode Conductors (Length Assumed)	300	10%	330	FT
2	#3/0 Main Bonding Jumper	1	0%	1	EA
3	3/4" x 10" CU Rod	4	0%	4	EA
4	Ground Bus	1	0%	1	EA
5	Neutral Bus	1	0%	1	EA
LOW VOLTAGE AND OTHER ELECTRICAL DEVICES					
1	112.5 kVA Dry Type Transformer	1	0%	1	EA
2	Automatic Transfer Switch (ATS) 400A - 3P	1	0%	1	EA
3	Generator 277/480V - 200kW Generator Remote Annunciator Panel	1	0%	1	EA
4	Concrete Pad for Generator	1	0%	1	EA
5	Conduits and Branch Circuits for Generator Control, Annunciator, Battery Charger, Block Heater and Accessory Power (Rating & Size of cable and Conduits are not provided). Coordinate Exact Requirement with Generator Vendor.	118	0%	118	FT
6	Surge Protection Device, Current Technologies TG3-300-480-3Y-MD-M3	1	0%	1	EA
RECEPTACLES & SWITCHES					
1	20A Hospital Grade Duplex Receptacle, Hubbell 5362	105	0%	105	EA
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	105	0%	105	EA
	4" Square 1G Ind Dup Rcpt Cover	105	0%	105	EA
	Red Wirenuts	315	0%	315	EA
	Ground Screw with Bare Pigtail	105	0%	105	EA
	6x1/4" Pan Head Tapping Screw	420	0%	420	EA
2	20A Hospital Grade Duplex Receptacle, Hubbell 5362, Dedicated	64	0%	64	EA
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	64	0%	64	EA
	4" Square 1G Ind Dup Rcpt Cover	64	0%	64	EA
	Red Wirenuts	192	0%	192	EA
	Ground Screw with Bare Pigtail	64	0%	64	EA
	6x1/4" Pan Head Tapping Screw	256	0%	256	EA
3	20A Hospital Grade Duplex Receptacle, Hubbell 5362 Tamper Proof	19	0%	19	EA
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	19	0%	19	EA
	4" Square 1G Ind Dup Rcpt Cover	19	0%	19	EA
	Red Wirenuts	57	0%	57	EA
	Ground Screw with Bare Pigtail	19	0%	19	EA
	6x1/4" Pan Head Tapping Screw	76	0%	76	EA
4	20A Hospital Grade Duplex Receptacle, Hubbell 5362 Tamper Proof, GFI	3	0%	3	EA
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	3	0%	3	EA
	4" Square 1G Ind Dup Rcpt Cover	3	0%	3	EA
	Red Wirenuts	9	0%	9	EA
	Ground Screw with Bare Pigtail	3	0%	3	EA
	6x1/4" Pan Head Tapping Screw	12	0%	12	EA
5	20A Hospital Grade Duplex Receptacle, Hubbell 5362 - WP GFI	4	0%	4	EA
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	4	0%	4	EA
	4" Square 1G Ind Dup Rcpt Cover	4	0%	4	EA
	Red Wirenuts	12	0%	12	EA
	Ground Screw with Bare Pigtail	4	0%	4	EA

	Ground Screw with Bare Pigtail	50	0%	50	EA								
	6x1/4" Pan Head Tapping Screw	200	0%	200	EA								
14	Tele Outlet	4	0%	4	EA								
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	4	0%	4	EA								
	4" Square-2G Plaster Ring-5/8"D	4	0%	4	EA								
	2G Plastic Duplex Receptacle Plate	4	0%	4	EA								
	Red Wirenuts	12	0%	12	EA								
	Ground Screw with Bare Pigtail	4	0%	4	EA								
	6x1/4" Pan Head Tapping Screw	16	0%	16	EA								
15	Cable TV Outlet	7	0%	7	EA								
	4" Square x 1-1/2" Deep Box w/ bkt (1/2 & 3/4 KO's)	7	0%	7	EA								
	4" Square-2G Plaster Ring-5/8"D	7	0%	7	EA								
	2G Plastic Duplex Receptacle Plate	7	0%	7	EA								
	Red Wirenuts	21	0%	21	EA								
	Ground Screw with Bare Pigtail	7	0%	7	EA								
	6x1/4" Pan Head Tapping Screw	28	0%	28	EA								
15	Junction Box	30	0%	30	EA								
LIGHTING FIXTURES													
1	B: 2x2 LED Basket Style Fixture MFG: LITHONIA 2FSL2-33L-EZ1-LP835	49	0%	49	EA								
	Red Scotchlok Wirenuts (#18-10)	147	0%	147	EA								
2	B (E) : 2x2 LED Basket Style Fixture - EM Module MFG: LITHONIA 2FSL2-33L-EZ1-LP835-EL14L	22	0%	22	EA								
	Red Scotchlok Wirenuts (#18-10)	66	0%	66	EA								
3	C: 2x4 LED Basket Style Fixture MFG: LITHONIA 2FSL4-40L-EZ1-LP835	7	0%	7	EA								
	Red Scotchlok Wirenuts (#18-10)	21	0%	21	EA								
4	C (E) : 2x4 LED Basket Style Fixture - EM Module MFG: LITHONIA 2FSL4-40L-EZ1-LP835	10	0%	10	EA								
	Red Scotchlok Wirenuts (#18-10)	30	0%	30	EA								
5	D: 2x4 LED Prismatic Troffer MFG: LITHONIA 2GTL-4-48L-FW-EZ1-LP835	6	0%	6	EA								
	Red Scotchlok Wirenuts (#18-10)	18	0%	18	EA								
6	D (E) : 2x4 LED Prismatic Troffer - EM Module MFG: LITHONIA 2GTL-4-48L-FW-EZ1-LP835-EL14L	4	0%	4	EA								
	Red Scotchlok Wirenuts (#18-10)	12	0%	12	EA								
7	E: 6" LED Downlight MFG: JUNO TC22LED-G4-09LM-35K-90CRI-MVOLTEZ10-27CWH	7	0%	7	EA								
	Red Scotchlok Wirenuts (#18-10)	21	0%	21	EA								
8	E (E) : 6" LED Downlight - EM Module MFG: JUNO TC22LED-G4-09LM-35K-90CRI-MVOLTEZ10-BR-27CWH	11	0%	11	EA								
	Red Scotchlok Wirenuts (#18-10)	33	0%	33	EA								
9	H: 2' Surface Mounted Fixture MFG: LITHONIA WL2-18L-EZ1-LP835	6	0%	6	EA								

	4" Square Box (1/2 & 3/4 KO's)	6	0%	6	EA								
	4" Square-3/0 Plaster Ring-1/2"D	6	0%	6	EA								
	Red Wirenuts	18	0%	18	EA								
10	J2: 2'-0" LED Under Cabinet Fixture (24-1/16") MFG: CONTECH	26	0%	26	EA								
11	L: 4' LED Suspended Linear Fixture W/ Light Distribution at 20% Up/80% Down MFG: PHILIPS LEDALITE 24-G5-L-B-B-A-G-08-7-1-E-W	20	0%	20	EA								
12	L (E) : 4' LED Suspended Linear Fixture W/ Light Distribution at 20% Up/80% Down - EM Module MFG: PHILIPS LEDALITE 24-G5-L-B-B-A-G-08-7-1-E-W	9	0%	9	EA								
13	M: Fino Small Pendant W/Frosted Glass MFG: TECH LIGHTING 700-TD-FINPS-W-S-LED927	1	0%	1	EA								
14	2x2 Recessed Light Fixture with Emergency Ballast and Remote Heads	1	0%	1	EA								
	Red Scotchlok Wirenuts (#18-10)	3	0%	3	EA								
15	Exit Sign MFG: LITHONIA EXR-LED-EL-M6 NYC PROJECTS: LXNY-W-3-R-EL	19	0%	19	EA								
	LIGHTING CONTROLS												
1	Light Switch, Hubbell HBL1221, Pushbutton	6	0%	6	EA								
2	Light Switch, Hubbell HBL1221	25	0%	25	EA								
3	Dimming Switch	4	0%	4	EA								
4	Light Switch, Hubbell HBL1221, Motion Sensor	19	0%	19	EA								
5	Timer Switch	3	0%	3	EA								
6	Timed Override Switch (Supplied by BMS)	4	0%	4	EA								
7	Ceiling Mounted Motion Sensor with Remote Power Pack	4	0%	4	EA								
8	BMS Automation Panel By Unify, Installed & Terminated by E.C, Power by EC.	1	0%	1	EA								
1	18/2 Wire (Provided by BMS, Installed by EC)	441	10%	485	FT								
9	Lighting Contactor Panel By Unify, Installed & Terminated by E.C	1	0%	1	EA								
	DISCONNECT SWITCH												
1	Combined Fused Disconnect Switch / Magnetic Motor Starter- 20A/1P	9	0%	9	EA								
2	Combined Fused Disconnect Switch / Magnetic Motor Starter- 20A/2P	1	0%	1	EA								
3	Combined Fused Disconnect Switch / Magnetic Motor Starter- 25A/1P	4	0%	4	EA								
4	Combined Fused Disconnect Switch / Magnetic Motor Starter- 30A/1P	2	0%	2	EA								
5	Combined Fused Disconnect Switch / Magnetic Motor Starter- 30A/2P	2	0%	2	EA								
6	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 20A/1P	4	0%	4	EA								
7	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 20A/2P	6	0%	6	EA								
8	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 20A/3P	2	0%	2	EA								

9	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 25A/3P	1	0%	1	EA								
10	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location- 30A/3P	2	0%	2	EA								
11	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 40A/3P	1	0%	1	EA								
12	Heavy Duty Fused Disconnect Switch, Nema Type 3R For Wet Location - 45A/3P	2	0%	2	EA								
BREAKERS													
1	20A 1P	140	0%	140	EA								
2	20A 1P GFI	67	0%	67	EA								
3	20A 2P	7	0%	7	EA								
4	20A 3P	2	0%	2	EA								
5	25A 1P	4	0%	4	EA								
6	25A 3P	1	0%	1	EA								
7	30A 1P	2	0%	2	EA								
8	30A 2P	2	0%	2	EA								
9	30A 3P	3	0%	3	EA								
10	40A 3P	1	0%	1	EA								
11	45A 3P	2	0%	2	EA								
12	60A 3P	1	0%	1	EA								
13	100A 3P	4	0%	4	EA								
14	175A 3P	1	0%	1	EA								
15	200A 3P	3	0%	3	EA								
16	225A 3P	1	0%	1	EA								
PANELS													
1	Panel LS-1 208Y/120V, 3P, 4W, Flush Mounted, 100A, MLO	1	0%	1	EA								
2	Panel PP-1 208Y/120V, 3P, 4W, Flush Mounted, 200A, MLO	1	0%	1	EA								
3	Panel PP-1G 208Y/120V, 3P, 4W, Flush Mounted, 200A, MLO	1	0%	1	EA								
4	Panel CP-1 208Y/120V, 3P, 4W, Flush Mounted, 200A, MLO	1	0%	1	EA								
5	Panel CP-1G 208Y/120V, 3P, 4W, Flush Mounted, 200A, MLO	1	0%	1	EA								
6	Panel MP-1 208Y/120V, 3P, 4W, Flush Mounted, 225A, MLO	1	0%	1	EA								
7	Panel HDP 277/480 Volts, 3P, 4W, Surface Mounted, 400A	1	0%	1	EA								
8	Panel LDP 120/208 Volts, 3P, 4W, Surface Mounted, 400A	1	0%	1	EA								
INTERCOM													
1	CAT-6A Sheilded (Plenum)	272	10%	299	FT								
2	Intercom Master Monitor AIPHONE # JPS-4AEDF w/ JP-4MED	2	0%	2	EA								
3	Intercom Sub Master Station AIPHONE # JP-4HD w/LCD Touchscreen	1	0%	1	EA								
4	Intercom Video Door Station JP-DVF Flush Mount, Vandal Proof, Stainless Steel	3	0%	3	EA								
NURSE CALL													
1	Nurse Call Duty Station TEKTONE # LI150B	7	0%	7	EA								
2	Nurse Call Bath Station TEKTONE # SF155B W/PULL CHORD	6	0%	6	EA								

3	Nurse Call Main Control Unit TEKTONE # PK152 w/ Power Supply, Transformer and IH151NK Equipment Cabinet	1	0%	1	EA								
4	Nurse Call Dome Light TEKTONE LI118B	10	0%	10	EA								
5	Nurse Call Annunciator Panel TEKTONE # NC110A	3	0%	3	EA								
6	Nurse Call - Patient Station TEKTONE # SF100C # SF301A	5	0%	5	EA								
7	Nurse Call - Staff Station TEKTONE # SF101C	5	0%	5	EA								
8	CAT 5 Cable	480	10%	528	FT								
FIRE ALARM													
1	Carbon Monoxide Detector	9	0%	9	EA								
2	Duct Mounted Smoke Detector	8	0%	8	EA								
3	Fire Alarm Heat Detector	1	0%	1	EA								
4	Fire Alarm Horn/Strobe, 75 cd	15	0%	15	EA								
5	Fire Alarm Pull Station, Single Action with Clear Pre-Alarm Cover	2	0%	2	EA								
6	Fire Alarm Smoke Detector	2	0%	2	EA								
7	Fire Alarm Strobe, 75 cd	13	0%	13	EA								
8	Fire Alarm Annunciator Panel	1	0%	1	EA								
9	Fire Alarm Control Panel	1	0%	1	EA								
DEMOLITION													
1	Terminate, Cap and Remove all abandoned Electrical Conduit, Wiring, Boxes, Switches Etc.	8741	0%	8741	SFT								
SCOPE OF ESTIMATE:													
I	SUPPLY (BY GC)												
1	Conductors and Conduits												
2	Switches, Receptacles												
3	Disconnect Switches												
4	Panels, Circuit Breakers												
5	Fire alarm												
6	Nurse Call System												
II	INSTALLATION (BY GC)												
1	Conductors and Conduits												
2	Switches, Receptacles												
3	Disconnect Switches												
4	Lighting Fixtures & Control												
5	Panels, Circuit Breakers												
6	Fire alarm												
7	Nurse Call System												
III	NOTES												

1	As per DAVITA Responsibility Matrix, I.T. Equipment, Low Voltage Devices and Wiring will be provided and installed by Owner. GC shall include coordination of Schedule and Delivery.
2	As per DAVITA Responsibility Matrix, Lighting Fixtures & Controls will be provided by Owner and installed by GC.
3	Location of Alarm panels' is shown in plans. Provide wiring to Alarm panels as per Manufacturers' Instructions which we have not considered yet.
4	Existing Conditions are not Generally shown. Contractor shall verify all conditions in Field prior to submission of Bid.
5	Provide a Framed 11x17 As Built Electrical Power Riser Diagram at each of the following locations: Building Main Disconnect Switch, DAVITA MDP, DAVITA MTS, FA ATS.