

**LANDMARK
HEALTHCARE, LLC**

830 North Jefferson Street
Portland, ME 04101
Telephone: (414) 277-4500
Facsimile: (414) 277-1055

Francis

Caufman

Foley

Hoffmann

Francis Cauffman
2120 Arch Street
Portland, ME 04101
Architects Ltd.

STRUCTURAL ENGINEER
NIG COLLIER ARCHITECT ASSOCIATES

SUITE 175 W. 14903
119 COLLIER AVENUE
PORTLAND, ME 04101
P (610) 644-9572
F (610) 644-9572

M/E/P ENGINEER

AKF

engineers
2120 Arch Street
Portland, ME 04101
P (610) 644-9572
F (610) 644-9572
ARCHITECTS - MECHANICAL
ELECTRICAL - STRUCTURAL - INTERIORS

Revisions
11-20-06 CONSTRUCTION DOCUMENTS ISSUED

PHASE	PHASE SECTION 1	238 720 VOLTS	3 PHASE	4 WIRE	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
LOCATION	ELECTRICAL CLOSET 4TH FL	MONITORING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
FEED FROM	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
FEEDER SIZE	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
NO AMPS	DESCRIPTION OF LOAD	WIRE & COND	PER PHASE (VA)	LOAD	WIRE & COND	DESCRIPTION OF LOAD	AMPS NO
1 2001	GEN REC - CORR 3001	2A	900	720	2A	GEN REC - LOBBY 3002	201 2
3 2001	DED REC - TELECOM 3005	2A	360	360	2A		201 4
5 2001		2A	0	0	2A		201 6
7 2001		2A	0	0	2A		201 8
9 2001		2A	0	0	2A		201 10
11 2001		2A	0	0	2A		201 12
13 2001		2A	0	0	2A		201 14
15 2001		2A	0	0	2A		201 16
17 2001		2A	0	0	2A		201 18
19 2001		2A	0	0	2A		201 20
21 2001		2A	0	0	2A		201 22
23 2001		2A	0	0	2A		201 24
25 2001		2A	0	0	2A		201 26
27 2001		2A	0	0	2A		201 28
29 2001		2A	0	0	2A		201 30
31 2001		2A	0	0	2A		201 32
33 2001		2A	0	0	2A		201 34
35 2001		2A	0	0	2A		201 36
37 2001		2A	0	0	2A		201 38
39 2001		2A	0	0	2A		201 40
41 2001		2A	0	0	2A		201 42
TOTAL LBS	0	100	0	0	238	SPARE 20% SIZING FACTOR 135	
TOTAL MEC	0	100	0	0	238		
TOTAL AC	0	0.70	0	0	166.6		
TOTAL HIG	0	1.00	0	0	230		
TOTAL CONN	0	0	0	0	0		

PHASE	PHASE SECTION 2	238 720 VOLTS	3 PHASE	4 WIRE	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
LOCATION	ELECTRICAL CLOSET 4TH FL	MONITORING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEED FROM	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEEDER SIZE	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
NO AMPS	DESCRIPTION OF LOAD	WIRE & COND	PER PHASE (VA)	LOAD	WIRE & COND	DESCRIPTION OF LOAD	AMPS NO
1 2001	GEN REC - CORR 4001	2A	900	720	2A	GEN REC - RM 4006	201 2
3 2001	DED REC - TELECOM 4006	2A	360	360	2A	ROOFTOP UNIT REC & LVS	201 4
5 2001	ROOFTOP UNIT REC & LVS	2A	280	280	2A		201 6
7 2001		2A	0	0	2A		201 8
9 2001		2A	0	0	2A		201 10
11 2001		2A	0	0	2A		201 12
13 2001		2A	0	0	2A		201 14
15 2001		2A	0	0	2A		201 16
17 2001		2A	0	0	2A		201 18
19 2001		2A	0	0	2A		201 20
21 2001		2A	0	0	2A		201 22
23 2001		2A	0	0	2A		201 24
25 2001		2A	0	0	2A		201 26
27 2001		2A	0	0	2A		201 28
29 2001		2A	0	0	2A		201 30
31 2001		2A	0	0	2A		201 32
33 2001		2A	0	0	2A		201 34
35 2001		2A	0	0	2A		201 36
37 2001		2A	0	0	2A		201 38
39 2001		2A	0	0	2A		201 40
41 2001		2A	0	0	2A		201 42
TOTAL LBS	0	100	0	0	238	SPARE 20% SIZING FACTOR 135	
TOTAL MEC	0	100	0	0	238		
TOTAL AC	0	0.70	0	0	166.6		
TOTAL HIG	0	1.00	0	0	230		
TOTAL CONN	0	0	0	0	0		

PHASE	PHASE SECTION 2	238 720 VOLTS	3 PHASE	4 WIRE	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
LOCATION	ELECTRICAL CLOSET 4TH FL	MONITORING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEED FROM	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEEDER SIZE	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
NO AMPS	DESCRIPTION OF LOAD	WIRE & COND	PER PHASE (VA)	LOAD	WIRE & COND	DESCRIPTION OF LOAD	AMPS NO
1 2001		2A	0	0	2A		201 2
3 2001		2A	0	0	2A		201 4
5 2001		2A	0	0	2A		201 6
7 2001		2A	0	0	2A		201 8
9 2001		2A	0	0	2A		201 10
11 2001		2A	0	0	2A		201 12
13 2001		2A	0	0	2A		201 14
15 2001		2A	0	0	2A		201 16
17 2001		2A	0	0	2A		201 18
19 2001		2A	0	0	2A		201 20
21 2001		2A	0	0	2A		201 22
23 2001		2A	0	0	2A		201 24
25 2001		2A	0	0	2A		201 26
27 2001		2A	0	0	2A		201 28
29 2001		2A	0	0	2A		201 30
31 2001		2A	0	0	2A		201 32
33 2001		2A	0	0	2A		201 34
35 2001		2A	0	0	2A		201 36
37 2001		2A	0	0	2A		201 38
39 2001		2A	0	0	2A		201 40
41 2001		2A	0	0	2A		201 42
TOTAL LBS	0	100	0	0	238	SPARE 20% SIZING FACTOR 135	
TOTAL MEC	0	100	0	0	238		
TOTAL AC	0	0.70	0	0	166.6		
TOTAL HIG	0	1.00	0	0	230		
TOTAL CONN	0	0	0	0	0		

PHASE	PHASE SECTION 2	480 277 VOLTS	3 PHASE	4 WIRE	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
LOCATION	ELECTRICAL CLOSET 2ND FL	MONITORING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEED FROM	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEEDER SIZE	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
NO AMPS	DESCRIPTION OF LOAD	WIRE & COND	PER PHASE (VA)	LOAD	WIRE & COND	DESCRIPTION OF LOAD	AMPS NO
1 2001	CU-H	2A	400	400	2A	CU-H	101 2
3 4003	VA-C	2A	434	434	2A	VA-C	403 4
5		2A	434	434	2A		403 6
7 2001	VA-A	2A	434	434	2A		201 8
9 2001		2A	290	290	2A		201 10
11 2001		2A	0	0	2A		201 12
13 2001		2A	0	0	2A		201 14
15 2001		2A	0	0	2A		201 16
17 2001		2A	0	0	2A		201 18
19 2001		2A	0	0	2A		201 20
21 2001		2A	0	0	2A		201 22
23 2001		2A	0	0	2A		201 24
25 2001		2A	0	0	2A		201 26
27 2001		2A	0	0	2A		201 28
29 2001		2A	0	0	2A		201 30
31 2001		2A	0	0	2A		201 32
33 2001		2A	0	0	2A		201 34
35 2001		2A	0	0	2A		201 36
37 2001		2A	0	0	2A		201 38
39 2001		2A	0	0	2A		201 40
41 2001		2A	0	0	2A		201 42
TOTAL LBS	0	100	0	0	480	SPARE 20% SIZING FACTOR 135	
TOTAL MEC	0	100	0	0	480		
TOTAL AC	0	0.70	0	0	336.6		
TOTAL HIG	0	1.00	0	0	480		
TOTAL CONN	0	0	0	0	0		

PHASE	PHASE SECTION 2	480 277 VOLTS	3 PHASE	4 WIRE	MANRIS 225 AMPS 3 P	MANRIS 100% A/C 1000	TRIP CKT
LOCATION	ELECTRICAL CLOSET 2ND FL	MONITORING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEED FROM	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
FEEDER SIZE	SEE SINGLE LINE DIAGRAM	GROUNDING BUS	FLUSH	FLUSH	MANRIS 225 AMPS 3 P <td>MANRIS 100% A/C 1000 <td>TRIP CKT</td> </td>	MANRIS 100% A/C 1000 <td>TRIP CKT</td>	TRIP CKT
NO AMPS	DESCRIPTION OF LOAD	WIRE & COND	PER PHASE (VA)	LOAD	WIRE & COND	DESCRIPTION OF LOAD	AMPS NO
1 2001	CU-H	2A	400	400	2A	CU-H	101 2
3 2001	VA-A	2A	290	290	2A	VA-A	201 4
5 2001		2A	0	0	2A		201 6
7 2001		2A	0	0	2A		201 8
9 2001		2A	0	0	2A		201 10
11 2001		2A	0	0	2A		201 12
13 2001		2A	0	0	2A		201 14
15 2001		2A	0	0	2A		201 16
17 2001		2A	0	0	2A		201 18
19 2001		2A	0	0	2A		201 20
21 2001		2A	0	0	2A		201 22
23 2001		2A	0	0	2A		201 24
25 2001		2A	0	0	2A		201 26
27 2001		2A	0	0	2A		201 28
29 2001		2A	0	0	2A		201 30
31 2001		2A	0	0	2A		201 32
33 2001		2A	0	0	2A		201 34
35 2001		2A	0	0	2A		201 36