Branch Panel: 1EH-C1

Location: SWITCHGEAR ROOM 172
Supply From: ATS-CS
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes: **PROVIDE FEED THROUGH LUGS**

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
HC1;1,3,5	TRANSFORMER T2	125	3	14365	38226					3	20	2EH-C1 (*)	HC1;2,4,6
	--	--	--			11708	38226			--	--	--	
	--	--	--					13690	38226	--	--	--	
HC1;7,9,11	TRANSFORMER T4	60	3	5262									HC1;8
	--	--	--			4620							HC1;10
	--	--	--					4586					HC1;12
HC1;13													HC1;14
HC1;15													HC1;16
HC1;17													HC1;18
HC1;19													HC1;20
HC1;21													HC1;22
HC1;23													HC1;24
HC1;25													HC1;26
HC1;27													HC1;28
HC1;29													HC1;30
HC1;31													HC1;32
HC1;33													HC1;34
HC1;35													HC1;36
HC1;37													HC1;38
HC1;39													HC1;40
HC1;41													HC1;42
		Total		57853 VA		54554 VA		56502 VA					
		Total A		210 A		197 A		205 A					

Legend:
(*) = FEEDTHRU PANEL LOAD FOR COMPUTATIONAL PURPOSES ONLY. PROVIDE SPACES IN LIEU OF ASSIGNED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	134711 VA	70.00%	94298 VA		
Lighting	5603 VA	125.00%	7003 VA	**Total Conn. Load:**	168909 VA
Other	3100 VA	100.00%	3100 VA	**Total Est. Demand:**	124584 VA
Power	1000 VA	70.00%	700 VA	**Total Conn.:**	203 A
Receptacle	13320 VA	87.54%	11660 VA	**Total Est. Demand:**	150 A
IT Comm equipment	10000 VA	70.00%	7000 VA		
Plumbing	1176 VA	70.00%	823 VA		

Notes:
1. BLANK CIRCUIT ENTRIES REPRESENT SPACES..

Branch Panel: 1EH-ELEV

Location: SWITCHGEAR ROOM 172
Supply From: ATS-EL
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
1,3,5	ELEV-A MAINLINE POWER	90	3	14404	14404					3	90	ELEV-B MAINLINE POWER	2,4,6
	--	--	--			14404	14404			--	--	--	
	--	--	--					14404	14404	--	--	--	
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total		28808 VA		28808 VA		28808 VA					
		Total A		104 A		104 A		104 A					

Legend:
(*) = FEEDTHRU PANEL LOAD FOR COMPUTATIONAL PURPOSES ONLY. PROVIDE SPACES IN LIEU OF ASSIGNED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	86424 VA	70.00%	60497 VA		
				Total Conn. Load:	86424 VA
				Total Est. Demand:	60497 VA
				Total Conn.:	104 A
				Total Est. Demand:	73 A

Notes:
1. BLANK CIRCUIT ENTRIES REPRESENT SPACES..

Branch Panel: 1EH-LS1

Location: SWITCHGEAR ROOM 172
Supply From: ATS-LS
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Mains Type:
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
HS1;1,3,5	TRANSFORMER T5	60	3	1996	4221					3	60	TRANSFORMER T3	HS1;2,4,6
	--	--	--			591	2562			--	--	--	
	--	--	--					980	3872	--	--	--	
HS1;7													HS1;8
HS1;9													HS1;10
HS1;11													HS1;12
HS1;13													HS1;14
HS1;15													HS1;16
HS1;17													HS1;18
HS1;19													HS1;20
HS1;21													HS1;22
HS1;23													HS1;24
HS1;25													HS1;26
HS1;27													HS1;28
HS1;29													HS1;30
HS1;31													HS1;32
HS1;33													HS1;34
HS1;35													HS1;36
HS1;37													HS1;38
HS1;39													HS1;40
HS1;41													HS1;42
		Total		6217 VA		3153 VA		4852 VA					
		Total A		23 A		11 A		18 A					

Legend:
(*) = FEEDTHRU PANEL LOAD FOR COMPUTATIONAL PURPOSES ONLY. PROVIDE SPACES IN LIEU OF ASSIGNED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	864 VA	70.00%	605 VA		
Lighting	5242 VA	125.00%	6553 VA	**Total Conn. Load:**	14122 VA
Other	7316 VA	100.00%	7316 VA	**Total Est. Demand:**	14964 VA
Power	700 VA	70.00%	490 VA	**Total Conn.:**	17 A
				Total Est. Demand:	18 A

Notes:
1. BLANK CIRCUIT ENTRIES REPRESENT SPACES..

Branch Panel: 1NH1

Location: MAIN ELECTRIC ROOM
Supply From: MDP
Mounting: SURFACE
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes: **PROVIDE FEED THROUGH LUGS**

CKT	Circuit Description	Trip	P	A		B		C		P	Trip	Circuit Description	CKT
H1;1	HVAC-513-UH-1-3, MECH ROOM 150	20	1	2050	1548					1	20	HVAC-513-UH-1-1, FOYER 100	H1;2
H1;3,5,7	2NH1 (*)	20	3			7548	12000			3	60	513-WH-1; MECH ROOM 150	H1;4,6,8
	--	--	--					6000	12000	--	--	--	
	--	--	--	6000	12000					--	--	--	
H1;9,11,13	513-WH-2; MECH ROOM 150	60	3			12000	6232			3	30	HVAC-513-SSXH1 HUMDIFIER	H1;10,12,1
	--	--	--					12000	6232	--	--	--	
	--	--	--	12000	6232					--	--	--	
H1;15	HVAC-513-UH-1-2, LOBBY	20	1			1548	3296			1	20	HVAC-513-UH-1-4, RM 173	H1;16
H1;17													H1;18
H1;19													H1;20
H1;21													H1;22
H1;23													H1;24
H1;25													H1;26
H1;27													H1;28
H1;29													H1;30
H1;31													H1;32
H1;33													H1;34
H1;35													H1;36
H1;37													H1;38
H1;39													H1;40
H1;41													H1;42
		Total		39831 VA		42625 VA		36232 VA					
		Total A		146 A		156 A		131 A					

Legend:
(*) = FEEDTHRU PANEL LOAD FOR COMPUTATIONAL PURPOSES ONLY. PROVIDE SPACES IN LIEU OF ASSIGNED CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	100688 VA	70.00%	70482 VA		
Other	18000 VA	100.00%	18000 VA	**Total Conn. Load:**	118688 VA
				Total Est. Demand:	88482 VA
				Total Conn.:	143 A
				Total Est. Demand:	106 A

Notes:
1. BLANK CIRCUIT ENTRIES REPRESENT SPARES AND SPACES. PROVIDE 50% SPARE 20A/1P BREAKERS AND 50% SPACES FOR BLANK ENTRIES..

BID DOCUMENTS

FULLY SPRINKLERED

Revisions:	Date

ARCHITECT:

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Drawing Title: ELECTRICAL PANEL SCHEDULES

Approved: Project Director

Project Title: RELOCATE DEMENTIA UNIT

Location: VAMC MARTINSBURG

Date: 08/06/2012 | Checked: GSL | Drawn: DRW

Project Number: VA PN 613-207

Building Number: 513

Drawing Number: E-611

Dwg. -- of --

Office of Construction and Facilities Management

Department of Veterans Affairs

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