BRANCH PANEL: HPL4S

LOCATION:	ELEC. RM. 476	**VOLTAGE:** 480/277 Wye	**AIC RATING:** 14,000
SUPPLY FROM:	HDPLT	**PHASES:** 3	**MAINS TYPE:** MLO
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 100 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 42	

PANELBOARD NOTES:

NONE.

CIRCUIT BREAKER NOTES:

[A] PROVIDE 5MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

[B] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	NOTES	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	NOTES	CKT
1		LIGHTING SIM LAB 473	20 A	1	701	0					--	--	SPACE	--	2
3		LIGHTING COR 4CR8	20 A	1			372	0			--	--	SPACE	--	4
5		LIGHTING SIM LAB 483	20 A	1					942	0	--	--	SPACE	--	6
7	--	SPACE	--	--	0	0					--	--	SPACE	--	8
9	--	SPACE	--	--			0	0			--	--	SPACE	--	10
11	--	SPACE	--	--					0	0	--	--	SPACE	--	12
13	--	SPACE	--	--	0	0					--	--	SPACE	--	14
15	--	SPACE	--	--			0	0			--	--	SPACE	--	16
17	--	SPACE	--	--					0	0	--	--	SPACE	--	18
19	--	SPACE	--	--	0	0					--	--	SPACE	--	20
21	--	SPACE	--	--			0	0			--	--	SPACE	--	22
23	--	SPACE	--	--					0	0	--	--	SPACE	--	24
25	--	SPACE	--	--	0	0					--	--	SPACE	--	26
27	--	SPACE	--	--			0	0			--	--	SPACE	--	28
29	--	SPACE	--	--					0	0	--	--	SPACE	--	30
31	--	SPACE	--	--	0	0					--	--	SPACE	--	32
33		SPARE	20 A	1			0	0			1	20 A	SPARE		34
35		SPARE	20 A	1					0	0	1	20 A	SPARE		36
37		SPARE	20 A	1	0	0					1	20 A	SPARE		38
39		SPARE	20 A	1			0	0			1	20 A	SPARE		40
41		SPARE	20 A	1					0	0	1	20 A	SPARE		42
			TOTAL LOAD:		701 VA		372 VA		942 VA						
			TOTAL AMPS:		3 A		1 A		4 A						

DISTRIBUTION PANEL: HDPMR

LOCATION:		**VOLTAGE:** 480/277 Wye	**AIC RATING:** 35,000
SUPPLY FROM:	HHS-SWBD	**PHASES:** 3	**MAINS TYPE:** MCB
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 400 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 60	**MCB RATING:** 400 A

NOTES:

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				14230	6092								2
3	TX-LPMR	125 A	3			12700	6092			3	80 A	ELEV-2	4
5								16430	6092				6
7				5000	15000								8
9	LVP-1	50 A	3			5000	15000			3	150 A	LAC-1	10
11								5000	15000				12
13				667	667								14
15	KEF-1	20 A	3			667	667			3	20 A	TEF-1	16
17								667	667				18
19				667	0					--	--	SPACE	20
21	TEF-2	20 A	3			667	0			--	--	SPACE	22
23								667	0	--	--	SPACE	24
25	SPACE	--	--	0	0					--	--	SPACE	26
27	SPACE	--	--			0	0			--	--	SPACE	28
29	SPACE	--	--					0	0	--	--	SPACE	30
31	SPACE	--	--	0	0					--	--	SPACE	32
33	SPACE	--	--			0	0			--	--	SPACE	34
35	SPACE	--	--					0	0	--	--	SPACE	36
37	SPACE	--	--	0	0					--	--	SPACE	38
39	SPACE	--	--			0	0			--	--	SPACE	40
41	SPACE	--	--					0	0	--	--	SPACE	42
43	SPACE	--	--	0	0					--	--	SPACE	44
45	SPACE	--	--			0	0			--	--	SPACE	46
47	SPACE	--	--					0	0	--	--	SPACE	48
49				0	0								50
51	SPARE	20 A	3			0	0			3	30 A	SPARE	52
53								0	0				54
55				0	0								56
57	SPARE	125 A	3			0	0			3	225 A	SPARE	58
59								0	0				60
		TOTAL LOAD:		42322 VA		40792 VA		44522 VA					
		TOTAL AMPS:		154 A		147 A		162 A					

BRANCH PANEL: LPMR

LOCATION:		**VOLTAGE:** 120/208 Wye	**AIC RATING:** 22,000
SUPPLY FROM:	TX-LPMR	**PHASES:** 3	**MAINS TYPE:** MCB
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 225 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 42	**MCB RATING:** 225 A

PANELBOARD NOTES:

NONE.

CIRCUIT BREAKER NOTES:

[A] PROVIDE 5MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

[B] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	NOTES	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	NOTES	CKT
1		RECEPTACLES	20 A	1	360	720					1	20 A	RECEPTACLES		2
3		ELEV-2 BOTTOM OF...	20 A	1			1000	1000			1	20 A	ELEV-2 CAB LIGHTING &...		4
5		RECEPTACLES	20 A	1					540	540	1	20 A	RECEPTACLES		6
7		VRF-1-1 & VRF-CU-1-1	40 A	2	1250	1000					1	20 A	ELEV-2 MACHINE ROOM...		8
9							1250	1000			1	20 A	ELEV-2 REMOTE...		10
11		EUH-1	30 A	2					1500	1500	2	30 A	EUH-2		12
13					1500	1500									14
15		VRF-R-2 & VRF-CU-R-2	40 A	2			2350	0			--	--	SPACE	--	16
17									2350	1000	1	20 A	ELEV-2 TOP OF SHAFT...		18
19		VRF-4-1 & VRF-CU-4-1	40 A	2	1250										20
21							1250	2350			2	40 A	VRF-R-1 & VRF-CU-R-1		22
23		VRF-T-1, VRF-T-2 & VRF-CU-T-1 (1)	60 A	2					4150	2350					24
25					4150	1250					2	40 A	VRF-2-1 & VRF-CU-2-1		26
27		VRF-2-2 & VRF-CU-2-2	40 A	2			1250	1250							28
29									1250	1250	2	40 A	VRF-3-1 & VRF-CU-3-1		30
31	--	SPACE	--	--	0	1250									32
33		SPARE	20 A	1			0	0			1	20 A	SPARE		34
35		SPARE	20 A	1					0	0	1	20 A	SPARE		36
37		SPARE	20 A	1	0	0					1	20 A	SPARE		38
39		SPARE	20 A	1			0	0			1	20 A	SPARE		40
41	A	SPARE	20 A	1					0	0	1	20 A	SPARE	A	42
			TOTAL LOAD:		14230 VA		12700 VA		16430 VA						
			TOTAL AMPS:		121 A		106 A		139 A						

DISTRIBUTION PANEL: LDPCT

LOCATION:	ELECTRICAL ROOM 008	**VOLTAGE:** 120/208 Wye	**AIC RATING:** 22,000
SUPPLY FROM:	TX-LDPCT	**PHASES:** 3	**MAINS TYPE:** MCB
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 1000 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 60	**MCB RATING:** 1000 A

NOTES:

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				8967	15810								2
3	LPCT	150 A	3			8467	15860			3	150 A	LPC1E	4
5								8327	15960				6
7				14370	17060								8
9	LPC1W	150 A	3			14500	16280			3	150 A	LPC2W	10
11								14370	15740				12
13				15420	15020								14
15	LPC2E	150 A	3			15480	14700			3	150 A	LPC3W	16
17								15480	14340				18
19				9900	20820								20
21	LPC3E	150 A	3			10020	19740			3	225 A	LPC4W	22
23								10080	19920				24
25				14940	0					--	--	SPACE	26
27	LPC4E	150 A	3			15060	0			--	--	SPACE	28
29								14940	0	--	--	SPACE	30
31	SPACE	--	--	0	0					--	--	SPACE	32
33	SPACE	--	--			0	0			--	--	SPACE	34
35	SPACE	--	--					0	0	--	--	SPACE	36
37	SPACE	--	--	0	0					--	--	SPACE	38
39	SPACE	--	--			0	0			--	--	SPACE	40
41	SPACE	--	--					0	0	--	--	SPACE	42
43	SPACE	--	--	0	0					--	--	SPACE	44
45	SPACE	--	--			0	0			--	--	SPACE	46
47	SPACE	--	--					0	0	--	--	SPACE	48
49	SPACE	--	--	0	0					--	--	SPACE	50
51	SPACE	--	--			0	0			--	--	SPACE	52
53	SPACE	--	--					0	0	--	--	SPACE	54
55				0	0								56
57	SPARE	100 A	3			0	0			3	150 A	SPARE	58
59								0	0				60
		TOTAL LOAD:		132307 VA		130107 VA		129157 VA					
		TOTAL AMPS:		1104 A		1085 A		1076 A					

BRANCH PANEL: LPCT

LOCATION:	ELECTRICAL ROOM 008	**VOLTAGE:** 120/208 Wye	**AIC RATING:** 22,000
SUPPLY FROM:	LDPCT	**PHASES:** 3	**MAINS TYPE:** MLO
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 150 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 42	

PANELBOARD NOTES:

NONE.

CIRCUIT BREAKER NOTES:

[A] PROVIDE 5MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

[B] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	NOTES	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	NOTES	CKT
1		RECEPTACLES	20 A	1	180	900					1	20 A	RECEPTACLES		2
3		RECEPTACLES ATHLETI...	20 A	1			180	900			1	20 A	RECEPTACLES AT...		4
5		RECEPTACLES HSKP...	20 A	1					720	720	1	20 A	RECEPTACLES PLUMBIN...		6
7	A	POWER CIRCULATION...	20 A	1	1000	180					1	20 A	RECEPTACLES ATHLETI...		8
9		RECEPTACLES...	20 A	1			1000	180			1	20 A	RECEPTACLES ATHLETI...		10
11		ATHLETIC TRAINING LAB...	20 A	1					860	180	1	20 A	RECEPTACLES ATHLETI...		12
13		RECEPTACLES ATHLETI...	20 A	1	360	900					1	20 A	RECEPTACLES AT...		14
15		RECEPTACLES ATHLETI...	20 A	1			360	900			1	20 A	RECEPTACLES AT...		16
17		RECEPTACLES Room 001	20 A	1					360	540	1	20 A	RECEPTACLES ATHLETI...		18
19		RECEPTACLES ATHLETI...	20 A	1	1080	1440					1	20 A	RECEPTACLES		20
21		RECEPTACLES Room 001	20 A	1			1080	1440			1	20 A	RECEPTACLES ATHLETI...		22
23		RECEPTACLES Room...	20 A	1					1080	1440	1	20 A	RECEPTACLES...		24
25		POWER	20 A	1	500	1167					3	20 A	POWER PLUMBING ROOM 007	B	26
27		SITE RECEPTACLE (REF...	20 A	1			1260	1167							28
29		SITE RECEPTACLE (REF...	20 A	1					1260	1167					30
31		SITE RECEPTACLE (REF...	20 A	1	1260	0					1	20 A	SPARE		32
33		SPARE	20 A	1			0	0			1	20 A	SPARE		34
35		SPARE	20 A	1					0	0	1	20 A	SPARE		36
37		SPARE	20 A	1	0	0					1	20 A	SPARE		38
39		SPARE	20 A	1			0	0			1	20 A	SPARE		40
41		SPARE	20 A	1					0	0	1	20 A	SPARE		42
			TOTAL LOAD:		8967 VA		8467 VA		8327 VA						
			TOTAL AMPS:		75 A		71 A		69 A						

BRANCH PANEL: LPC1W

LOCATION:	ELEC. 113	**VOLTAGE:** 120/208 Wye	**AIC RATING:** 10,000
SUPPLY FROM:	LDPCT	**PHASES:** 3	**MAINS TYPE:** MLO
MOUNTING:	SURFACE	**WIRES:** 4	**MAINS RATING:** 150 A
ENCLOSURE:	TYPE 1	**MAX # OF POLES:** 60	

PANELBOARD NOTES:

NONE.

CIRCUIT BREAKER NOTES:

[A] PROVIDE 5MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

[B] PROVIDE 30MA GROUND FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS.

SEE SPECIFICATION SECTION 'PANELBOARDS' FOR FEATURES OF PANELBOARDS.

VERIFY SIZE, QUANTITY AND TYPES OF CIRCUIT BREAKERS IN PANELBOARDS WITH PLANS, RISERS, SCHEDULES, AND SPECIFICATIONS.

CKT	NOTES	CIRCUIT DESCRIPTION	TRIP	POLES	A		B		C		POLES	TRIP	CIRCUIT DESCRIPTION	NOTES	CKT
1		RECEPTACLES	20 A	1	180	500					1	20 A	POWER BIOMECHANICS...		2
3		RECEPTACLES...	20 A	1			180	720			1	20 A	POWER		4
5		DF-1 & DF-1	20 A	1					240	500	1	20 A	POWER BIOMECHANICS...		6
7		POWER Room 100, 100W	20 A	1	1500	1620					1	20 A	RECEPTACLES		8
9		RECEPTACLES	20 A	1			1440	1500			1	20 A	POWER Room 100E, 100		10
11		RECEPTACLES	20 A	1					720	1080	1	20 A	Other		12
13		RECEPTACLES	20 A	1	720	900					1	20 A	RECEPTACLES		14
15		RECEPTACLES	20 A	1			900	900			1	20 A	RECEPTACLES		16
17		RECEPTACLES	20 A	1					1260	90	2	30 A	RECEPTACLES BIOMECHANICS LAB 104		18
19		RECEPTACLES	20 A	1	900	90									20
21		RECEPTACLES	20 A	1			900	1000			1	20 A	POWER BIOMECHANICS...		22
23		RECEPTACLES	20 A	1					720	900	1	20 A	RECEPTACLES MEN 1RR1		24
25		POWER BIOMECHANICS...	20 A	1	1000	1080					1	20 A	RECEPTACLES		26
27		RECEPTACLES	20 A	1			1080	1080			1	20 A	RECEPTACLES		28
29		RECEPTACLES	20 A	1					900	1000	1	20 A	RECEPTACLES...		30
31		RECEPTACLES	20 A	1	1080	1080					1	20 A	Other		32
33		Other	20 A	1			1080	1080			1	20 A	Other		34
35		RECEPTACLES	20 A	1					1080	1080	1	20 A	RECEPTACLES		36
37		Other	20 A	1	1080	1200					1	20 A	LIGHTING MEN 1RR1		38
39		LIGHTING WOMEN 1RR2	20 A	1			1200	1440			1	20 A	RECEPTACLES		40
41		RECEPTACLES	20 A	1					1080	1080	1	20 A	Other		42
43		RECEPTACLES	20 A	1	1440										44
45															46
47	A	POWER COR 1CR4	20 A	1					1200	1440	1	20 A	RECEPTACLES		48
49															50
51		SPARE	20 A	1			0	0			1	20 A	SPARE		52
53		SPARE	20 A	1					0	0	1	20 A	SPARE		54
55		SPARE	20 A	1	0	0					1	20 A	SPARE		56
57		SPARE	20 A	1			0	0			1	20 A	SPARE		58
59		SPARE	20 A	1					0	0	1	20 A	SPARE		60
			TOTAL LOAD:		14370 VA		14500 VA		14370 VA						
			TOTAL AMPS:		120 A		121 A		120 A						

HPL4S	HDPMR	LPMR
LDPCT	LPCT	LPC1W

drawing title
ELECTRICAL SCHEDULES

professional seal

REVISIONS

mark	date	description
1	09/18/19	ADDENDUM #2

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
BVH INTEGRATED SERVICES
206 WEST NEWBERRY ROAD
BLOOMFIELD, CT. 06002

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SCSU NEW HHS BUILDING
501 CRESCENT STREET
NEW HAVEN, CT 06050

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