Panel: A

Location: | **Volts:** 208Y/120 Vac | **A.I.C. Rating:** 10,000
Mounting: Surface | **Phases:** 3 | **Mains Type:** MLO
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 225 A
Sections: 2

DEVICE			BRANCH CIRCUIT				PHASE LOAD (KVA)						BRANCH CIRCUIT				DEVICE		
Notes	Pole	Trip (A)	Circuit Description	Conductors	Conduit	No.	A		B		C		No.	Conduit	Conductors	Circuit Description	Trip (A)	Pole	Notes
	1	20	Lighting	2#12, #12G	1/2"	1	0.9	0.4					2	1/2"	2#12, #12G	Bathroom Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	3			1.3	0.7			4	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	5					0.6	0.9	6	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	7	1.3	0.9					8	1/2"	2#12, #12G	Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	9			1.3	0.7			10	1/2"	2#12, #12G	E.W.C	20	1	GFI
	1	20	Lighting	2#10, #10G	3/4"	11					1.3	0.9	12	1/2"	2#12, #12G	Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	13	1.3	0.7					14	1/2"	2#12, #12G	Vending Machine	20	1	
	1	20	Lighting	2#10, #10G	3/4"	15			1.3	0.7			16	1/2"	2#12, #12G	Vending Machine	20	1	
	1	20	Lighting	2#10, #10G	3/4"	17					1.3	1.5	18	1/2"	2#12, #12G	Washing Machine	20	1	
	1	20	Lighting	2#12, #12G	1/2"	19	1	0.7					20	1/2"	2#12, #12G	Engraving RM Receptacle	20	1	
	1	20	Receptacle	2#12, #12G	1/2"	21			0.2	0.4			22	3/4"	2#10, #10G	Truck Door Receptacle	20	1	
	1	20	Truck Door Receptacle	2#10, #10G	3/4"	23					0.4	0.4	24	3/4"	2#10, #10G	Truck Door Receptacle	20	1	
	1	20	Truck Door Receptacle	2#12, #12G	1/2"	25	0.4	0.7					26	3/4"	2#10, #10G	Receptacle	20	1	
	1	20	Truck Door Receptacle	2#10, #10G	3/4"	27			0.5	0.5			28	3/4"	2#10, #10G	Cord Reel	20	1	
	1	20	Cord Reel	2#12, #12G	1/2"	29					0.5	0.5	30	3/4"	2#10, #10G	Cord Reel	20	1	
	1	20	Cord Reel	2#10, #10G	3/4"	31	0.5	0.5					32	3/4"	2#10, #10G	Cord Reel	20	1	
	1	20	Cord Reel	2#12, #12G	1/2"	33			0.5	0.5			34	1/2"	2#12, #12G	Cord Reel	20	1	
	1	20	Spare			35					0	0	36			Space	--	--	--
	1	20	Spare			37	0	0					38			Space	--	--	--
	1	20	Spare			39			0	0			40			Space	--	--	--
	1	20	Spare			41					0	0	42			Space	--	--	--
	1	20	Cord Reel	2#12, #12G	1/2"	43	0.5	0.5					44	1/2"	2#12, #12G	Cord Reel	20	1	
	1	20	Office Receptacle	2#12, #12G	1/2"	45			0.9	0.7			46	1/2"	2#12, #12G	Office Receptacle	20	1	
GFI	1	20	E.W.C	2#12, #12G	1/2"	47					0.7	0.7	48	1/2"	2#12, #12G	Vending Machine	20	1	
	2	30	Dryer	3#10, #10G	3/4"	49	2.9	0.7					50	1/2"	2#12, #12G	Vending Machine	20	1	
--	--	--	--			51			2.9	0.9			52	1/2"	2#12, #12G	Receptacle	20	1	
	1	15	L-1,L-2,L-3,L-4	2#12, #12G	1/2"	53					0.3	1.1	54	1/2"	3#12, #12G	FIRE SPRINKLER JOCKEY PUMP	15	3	
	2	15	Gate Operator Motor	2#10, #10G	3/4"	55	1	1.1					56			--	--	--	--
--	--	--	--			57			1	1.1			58			--	--	--	--
	1	20	Spare			59					0	0	60			Space	--	--	--
	1	20	Spare			61	0	0					62			Space	--	--	--
	1	20	Spare			63			0	0			64			Space	--	--	--
--	--	--	Space			65					0	0	66			Space	--	--	--
--	--	--	Space			67	0	0					68			Space	--	--	--
--	--	--	Space			69			0	0			70			Space	--	--	--
					Total Load:		15878 VA		16000 VA		10970 VA								
					Total Amps:		138.61 A		139.63 A		91.42 A								

Panel Totals
Total Amps: 118.93 A

Notes:

Panel: B

Location: | **Volts:** 208Y/120 Vac | **A.I.C. Rating:** 10,000
Mounting: Surface | **Phases:** 3 | **Mains Type:** MB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 150 A
Sections: 2

DEVICE			BRANCH CIRCUIT				PHASE LOAD (KVA)						BRANCH CIRCUIT				DEVICE		
Notes	Pole	Trip (A)	Circuit Description	Conductors	Conduit	No.	A		B		C		No.	Conduit	Conductors	Circuit Description	Trip (A)	Pole	Notes
	1	20	Lighting	2#12, #12G	1/2"	1	1	0.7					2	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	3			0.9	0.7			4	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	5					0	0.7	6	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	7	1.3	0.7					8	1/2"	2#12, #12G	Comp Office Receptacle	20	1	
	1	20	Lighting	2#12, #12G	1/2"	9			1	0.9			10	1/2"	2#12, #12G	Hallway Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	11					1.1	0.7	12	1/2"	2#12, #12G	Office Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	13	1.3	0.9					14	1/2"	2#12, #12G	Work Room Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	15			1.3	0.2			16	1/2"	2#12, #12G	E.W.C	20	1	GFI
	1	20	Lighting	2#10, #10G	3/4"	17					1.3	0.4	18	1/2"	2#12, #12G	Bathroom GFI	20	1	
	1	20	Lighting	2#10, #10G	3/4"	19	1.3	0.7					20	1/2"	2#12, #12G	Reception Receptacle	20	1	
	1	20	Lighting	2#10, #10G	3/4"	21			1.5	0.7			22	1/2"	2#12, #12G	Conf Room Receptacle	20	1	
	1	20	Receptacle	2#12, #12G	1/2"	23					0.9	0.7	24	1/2"	2#12, #12G	Refrig	20	1	
	1	20	Vending Machine	2#12, #12G	1/2"	25	0.7	0.7					26	1/2"	2#12, #12G	Vending Machine	20	1	
	1	20	Vending Machine	2#12, #12G	1/2"	27			0.7	0.5			28	1/2"	2#12, #12G	CounterTop Receptacle	20	1	
	1	20	Break Room Receptacle	2#12, #12G	1/2"	29					0.5		30	1/2"	2#12, #12G				
	1	20	Comp Office Receptacle	2#12, #12G	1/2"	31	0.7	0.5					32	3/4"	2#10, #10G	Receptacle	20	1	
	1	20	Receptacle	2#10, #10G	3/4"	33			0.5	0.9			34	3/4"	2#10, #10G	Receptacle	20	1	
	1	20	Spare			35					0	0	36			Space	--	--	--
	1	20	Spare			37	0	0					38			Space	--	--	--
	1	20	Spare			39			0	0			40			Space	--	--	--
	1	20	Spare			41					0	0	42			Space	--	--	--
	1	20	Receptacle	2#10, #10G	3/4"	43	0.9	0.5					44	3/4"	2#10, #10G	Receptacle	20	1	
	1	20	Cord Reel	2#10, #10G	3/4"	45			0.5	0.5			46	3/4"	2#10, #10G	Cord Reel	20	1	
	1	20	Cord Reel	2#10, #10G	3/4"	47					0.5	0.7	48	1/2"	2#12, #12G	Copier Machine	20	1	
	1	20	Office Receptacle	2#12, #12G	1/2"	49	0.7	0.2					50	1/2"	2#12, #12G	E.W.C	20	1	GFI
	1	20	Office Receptacle	2#12, #12G	1/2"	51			0.7	0.7			52	1/2"	2#12, #12G	Hallway Receptacle	20	1	
	1	20	Comp Office Receptacle	2#12, #12G	1/2"	53					0.7	0.7	54	1/2"	2#12, #12G	Conf Room Receptacle	20	1	
	1	20	Office Receptacle	2#12, #12G	1/2"	55	0.7	0.2					56	1/2"	2#12, #12G	EF-1 & EF-2	15	1	
	1	20	Spare			57			0	0			58			Space	--	--	--
	1	20	Spare			59					0	0	60			Space	--	--	--
--	--	--	Space			61	0	0					62			Space	--	--	--
--	--	--	Space			63			0	0			64			Space	--	--	--
--	--	--	Space			65					0	0	66			Space	--	--	--
--	--	--	Space			67	0	0					68			Space	--	--	--
--	--	--	Space			69			0	0			70			Space	--	--	--
--	--	--	Space			71					0	0	72			Space	--	--	--
--	--	--	Space			73	0	0					74			Space	--	--	--
--	--	--	Space			75			0	0			76			Space	--	--	--
--	--	--	Space			77					0	0	78			Space	--	--	--
--	--	--	Space			79	0	0					80			Space	--	--	--
--	--	--	Space			81			0	0			82			Space	--	--	--
--	--	--	Space			83					[illegible]	0	84			Space	--	--	--
					Total Load:		13788 VA		12284 VA		[illegible] VA								
					Total Amps:		119.25 A		106.72 A		[illegible]								

Panel Totals
Total Amps: 97.04 A

Notes:

Panel: EA

Location: | **Volts:** 208Y/120 Vac | **A.I.C. Rating:** 22,000
Mounting: Surface | **Phases:** 3 | **Mains Type:** MB
Enclosure: Type 1 | **Wires:** 4 | **Mains Rating:** 80 A
Sections: 1

DEVICE			BRANCH CIRCUIT				PHASE LOAD (KVA)						BRANCH CIRCUIT				DEVICE		
Notes	Pole	Trip (A)	Circuit Description	Conductors	Conduit	No.	A		B		C		No.	Conduit	Conductors	Circuit Description	Trip (A)	Pole	Notes
	1	20	Emergency Lighting	2#10, #10G	3/4"	1	0.5	0.2					2	1/2"	2#12, #12G	Emergency Lighting	20	1	
	1	20	Emergency Lighting	2#8, #8G	3/4"	3			0.8	0.6			4	3/4"	2#8, #8G	Emergency Lighting	20	1	
	1	20	Emergency Lighting	2#10, #10G	3/4"	5					0.6	1.1	6	1/2"	2#12, #12G	Emergency Lighting	20	1	
	1	20	NVR/ACP OUTLET	2#10, #10G	3/4"	7	0.4	0.4					8	3/4"	2#10, #10G	MDF OUTLET	20	1	
	1	30	MDF UPS	2#8, #10G	3/4"	9			2.8	0.5			10	3/4"	2#10, #10G	FAP	20	1	
	1	20	Security Panel	2#10, #10G	3/4"	11					0.5	0.6	12	3/4"	2#10, #10G	Lighting	20	1	
	1	20	Lighting	2#10, #10G	3/4"	13	0.6	0					14			Spare	20	1	
	1	20	Spare			15			0	0			16			Space	--	--	--
	1	20	Spare			17					0	0	18			Space	--	--	--
					Total Load:		1929 VA		4770 VA		2748 VA								
					Total Amps:		16.08 A		40.8 A		23.95 A								

Panel Totals
Total Amps: 23.45 A

Notes:

Panel: MDP

Location: | **Volts:** 20[illegible]Y/120 Vac | **A.I.C. Rating:** 42,000
Mounting: Su[illegible] | **Phases:** [illegible] | **Mains Type:** MB (S.E. RATED, SHUNT TRIP)
Enclosure: Type [illegible] | **Wires:** 4 | **Mains Rating:** 800 A
Sections: 2

DEVICE			BRANCH CIRCUIT				PHASE LOAD (KVA)						BRANCH CIRCUIT				DEVICE		
Notes	Pole	Trip (A)	Circuit Description	Conductors	Conduit	No.	A		B		C		No.	Conduit	Conductors	Circuit Description	Trip (A)	Pole	Notes
	3	225	Panel "A"	4#4/0, #4G	2-1/2"	1	15.9	13.8					2	2-1/2"	4#3/0, #6G	Panel "B"	150	3	
--	--	--	--			3			16	12.3			4			--	--	--	--
--	--	--	--			5					11	8.9	6			--	--	--	--
	3	20	Overhead Doors	4#12, #12G	1/2"	7	0.6	0.6					8	1/2"	4#12, #12G	Overhead Doors	20	3	
--	--	--	--			9			0.6	0.6			10			--	--	--	--
--	--	--	--			11					0.6	0.6	12			--	--	--	--
	3	20	Overhead Doors	4#12, #12G		13	0.6	0.1					14	3/4"	2#10, #10G	Air Compressor	30	2	
--	--	--	--			15			0.6	0.1			16			--	--	--	--
--	--	--	--			17					0.6	2.9	18	3/4"	2#8, #10G	FolkLift Charging Station	40	2	
	2	40	FolkLift Charging Station	2#8, #10G	3/4"	19	2.9	2.9					20			--	--	--	--
--	--	--	--			21			2.9	2.9			22	3/4"	2#8, #10G	FolkLift Charging Station	40	2	
	2	50	DHP-1	2#10, #10G	1"	23					3.1	2.9	24			--	--	--	--
--	--	--	--			25	3.1	1					26	1/2"	2#12, #12G	DHP-2	15	2	
	2	15	WH-1 (Wall Heater)	2#12, #12G	1/2"	27			1	1			28			--	--	--	--
--	--	--	--			29					1	1	30	1/2"	2#12, #12G	WH-2 (Wall Heater)	15	2	
	1	15	UH-1	2#12, #12G	1/2"	31	0.7	1					32			--	--	--	--
	1	15	UH-2	2#12, #12G	1/2"	33			0.7	5.6			34	1-1/4"	2#6, #10G	FCU-2	50	2	
	2	60	FCU-1	2#4, #8G	1-1/4"	35					6	5.6	36			--	--	--	--
--	--	--	--			37	6	5					38	1-1/4"	2#6, #10G	FCU-3	50	2	
	2	40	HP-1	2#10, #10G	3/4"	39			2.6	5			40			--	--	--	--
--	--	--	--			41					2.6	2.1	42	3/4"	2#10, #10G	HP-2	30	2	
	2	30	HP-3	2#10, #10G	3/4"	43	2.1	2.1					44			--	--	--	--
--	--	--	--			45			2.1	3			46	1"	3#8, #10G	EF-1	35	3	
	3	35	EF-2	3#8, #10G	1"	47					3	3	48			--	--	--	--
--	--	--	--			49	3	3					50			--	--	--	--
--	--	--	--			51			3	3			52	1"	3#8, #10G	EF-3	35	3	
	3	35	EF-4	3#8, #10G	1"	53					3	3	54			--	--	--	--
--	--	--	--			55	3	3					56			--	--	--	--
--	--	--	--			57			3	0.6			58	1/2"	2#12, #12G	EF-7	15	1	
	3	15	HVLS-1	3#12, #12G	1/2"	59					0.2	0.2	60	1/2"	3#12, #12G	HVLS-2	15	3	
--	--	--	--			61	0.2	0.2					62			--	--	--	--
--	--	--	--			63			0.2	0.2			64			--	--	--	--
	3	15	HVLS-3	3#12, #12G	1/2"	65					0.2	2.3	66	3/4"	2#10, #10G	WH-1 (Water Heater)	30	2	
--	--	--	--			67	0.2	2.3					68			--	--	--	--
--	--	--	--			69			0.2	2.3			70	3/4"	2#10, #10G	WH-2 (Water Heater)	30	2	
	1	20	Spare			71					0	2.3	72			--	--	--	--
	1	20	Spare			73	0	0					74			Space	--	--	--
	1	20	Spare			75			0	0			76			Space	--	--	--
	1	20	Spare			77					0	0	78			Space	--	--	--
	1	20	Spare			79	0	0					80			Space	--	--	--
	1	20	Spare			81			0	0			82			Space	--	--	--
	1	20	Spare			83					0	0	84			Space	--	--	--
					Total Load:		73216 VA		69494 VA		66030 VA								
					Total Amps:		614.57 A		583.56 A		550.25 A								

Panel Totals
Total Amps: 579.4 A

Notes:

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ISSUANCES

DATE	Description

KEY PLAN

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PROJECT:
HENRY COUNTY SCHOOLS - DISTRIBUTION CENTER

CLIENT:
HENRY COUNTY BOARD OF EDUCATION

SHEET TITLE:
SCHEDULES

PROJECT NUMBER:	201827
DATE:	08.13.20
SCALE:	AS SHOWN
DRAWN BY:	SMN
CHECKED BY:	NHO

SHEET NO.: E8.11