

**SHOP
DRAWING
REVIEW**

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NOT REVIEWED
REVIEWED
REVIEWED AS NOTED
REVISE AND RESUBMIT

This review by Hilditch Architect Inc. is for the sole purpose of ascertaining conformance with the general design concept features only, and does not in any way constitute review of the design of engineering elements which form part of the Contract Documents prepared by others. This review shall not mean that Hilditch Architect Inc. approves the design detail inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for co-ordination of the work of all trades.

Hilditch Architect Inc.

By: Sasha Stairs

Project No: 1809

Date Rec'd:

Date Rev'd: 2025.01.16

GC/CM: 2025.01.08

Consultant: 2025.01.15

HAI; reviewed for architectural only; 15 pages total:

1. Location of manual actuation device to be coordinated on site and reviewed with Consultant and Owner.
2. Layout kitchen and appliances, exhaust hood, on site prior to rough-ins. Advise Consultant of any discrepancies to drawings.

Submittal No. 09 - R1

Kitchen Exhaust Hood and Fire

Suppression System - R1

Project Name:
Neshama Hospice

Owner:
Neshama

Prime Consultant:
Hilditch Architect Inc

General Contractor: Renokrew

SHOP DRAWING SUBMITTAL REVIEW	JOB NAME Neshama Hospice JOB # 24-130 DATE Jan 08, 2025
REVIEWED ☐ REJECTED ☐ REVIEW & RESUBMIT ☐ REVIEW AS NOTED ☐	This review is for general conformance of plans and specifications only. Approvals are subject to subcontractors performance within the confines of the contract documents. Review of dimensions will not serve to relieve the subcontractor of contractual responsibility for any deviation from the contract requirements. SPECIFICATION 23 08 10 ☒ SHOP DRAWING ☐ PRODUCT DATA ☐ DOCUMENTATION ☐ LETTER  RENOKREW TORONTO OTTAWA CHECKED BY: REVIEWED BY: TOTAL PAGES: 15



54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal 24-256-006

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
NESHAMA HOSPICE	24-256 3 Cadillac Avenue North York, ON M3H 1R9	Jan 7, 2025

TO	FROM
Taranjeet Singh	PAUL LEDDY
COMPANY	COMPANY
1568796 ONTARIO INC. C/A RENOKREW	Consult Mechanical Inc.
EMAIL	EMAIL
taranjeet@renokrew.com	paul.l@consultmechanical.com
ADDRESS	ADDRESS
43 LEPAGE COURT TORONTO, ON M3J 1Z9	54 Audia Court, Unit 2 Concord, ON L4K 3N5

Title

CaptiveAire Kitchen Exhaust and Fire Suppression System Revision 3

Description

Complete design package for Kitchen Exhaust Hood and Fire Suppression System
Re submittal for Exhaust Fans

Package Items

SustainGlobe Ltd.

THIS DRAWING REVIEWED SOLELY FOR GENERAL CONFORMITY WITH DESIGN CONCEPTS. QUANTITIES, DETAILS, DIMENSIONS AND DESIGNS INHERENT IN THE SHOP DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DATA WITH FIELD DIMENSIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN OF MANUFACTURED ITEMS, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION AND INSTALLATION OF EQUIPMENT.

DATE RECEIVED:

January 14, 2025

☒ MECHANICAL

☐ ELECTRICAL

☐ OTHERS

THIS DRAWING IS:

☐ REVIEWED

☒ REVIEWED AS NOTED

☐ REVIEWED AND
TO BE RESUBMIT

BY: TL

DATE: January 15, 2025

PROJ. NO.: 18031

FIRE SYSTEM INFORMATION – JOB#2179537

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN			SYSTEM	LOCATION ON HOOD
					20	18	18		
1		TANK FS	4.0					WALL UTILITY CABINET RIGHT	N/A
2		TANK FS	4.0					WALL UTILITY CABINET LEFT	N/A

CAS VALVES

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2000	CAPTIVEAIR SYSTEMS
2		SC ELECTRICAL	2000	CAPTIVEAIR SYSTEMS

FIRE SYSTEM PARTS LIST KEY

KEY NUMBER - PART DESCRIPTION		QTY BY	QTY BY
SYSTEM NO	TAG	FEATURE	DIST
1	0 - 0 - 12-F2000-2044-01-360	12 FOOT FIRE THERMISTAT WITH 12 FOOT WIRE LEADS. NO CLONE ON TEMP RISE AT 360°F (600.4430D).	1
	0 - 0 - 87-20001-001	TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1
	0 - 0 - 87-20001-001	PRIMING ACTIVATOR KIT (GAS) ACTIVATOR AND RELEASE SOLENOID USED FOR TANK FIRE SUPPRESSION.	1
	0 - 0 - 87-20012-001	DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS. TANK FIRE SUPPRESSION.	4
	0 - 0 - 99694M15	HARDWARE, DATA/LOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC. TANK FIRE SUPPRESSION.	2
	0 - 0 - 99694M15	HARDWARE, DATA/LOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC. TANK FIRE SUPPRESSION.	2
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REVISIONS

NO.	DESCRIPTION	DATE
1		
2		

DATE: 11/20/2024

DWG.#: 7179537

DRAWN BY: Ryan Fung

SCALE: 3/4" = 1'-0"

MASTER DRAWING

Neshama Hospice R3

25 Brightwood Street,

Toronto, ON, M3H 2Z7



International Sales Office

4444 Eastgate Parkway, Unit #20, Mississauga, ON, L4W 4T6 PHONE: (647) 977 - 2217 FAX: 9192275905 EMAIL: reg20@captiveair.com



SHEET NO.

2

Single Phase

2	1	2	3	4	5	6	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	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Circle Phana

UNIT	TAG	0174	DESCRIPTION
1		1	UTILITY SET OFFGAS CUP
		1	BI- DISMOUNT ORIENTATION VERTICAL, UPPER LEFT - CV INLET SIDE
		1	CORH MOUNTED FOR USE #1, USED TO MOUNT ON 41' L X 62' W CORH
	KEF-1	1	BI11 - INLET RING USED TO CONNECT NON-ACTIVE, BACT
2		1	BLUE RUBBER VIBRATION ISOLATORS FOR BI UTILITY SETS (SET OF 4)
		1	2 YEAR PARTS WARRANTY
		1	BI- DISMOUNT ORIENTATION VERTICAL, UPPER LEFT - CV INLET SIDE
	KEF-2	1	CORH MOUNTED SET FOR USE #1, USED TO MOUNT ON 41' L X 62' W CORH
3		1	BI11 - BACT OPQ ASSEMBLY - CONNECT NON-ACTIVE, BACT
		1	BLUE RUBBER VIBRATION ISOLATORS FOR BI UTILITY SETS (SET OF 4)
4		1	2 YEAR PARTS WARRANTY
		1	BI- DISMOUNT ORIENTATION VERTICAL, UPPER LEFT - CV INLET SIDE
5		1	CORH MOUNTED SET FOR USE #1, USED TO MOUNT ON 41' L X 62' W CORH
		1	BI11 - INLET RING USED TO CONNECT NON-ACTIVE, BACT
6		1	BLUE RUBBER VIBRATION ISOLATORS FOR BI UTILITY SETS (SET OF 4)
		1	2 YEAR PARTS WARRANTY

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FAN UNIT NO	TAG	EXHAUST						SUPPLY		
		GEASE CLIP	GRAVITY DAMPER	WALL MOUNT	SLIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT		
1	KEF-1									
2	KEF-2	YES								

[illegible]

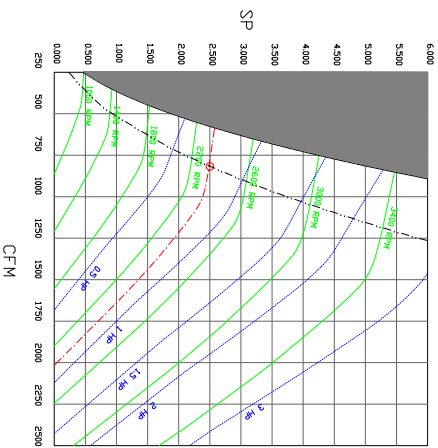
NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	39 LBS	CURB	27.000" W X 41.000" L X 12.000" H
2	# 2	KEF-2	39 LBS	CURB	27.000" W X 41.000" L X 12.000" H

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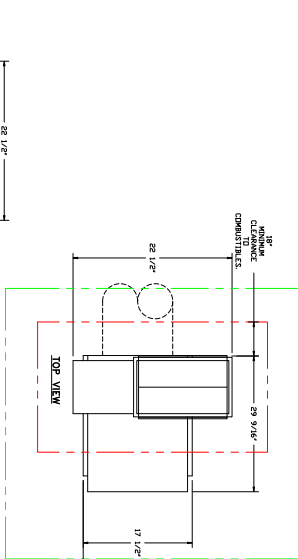
ID	NAME	UNIT	STANDARD DATA		DETAILED BAND STANDARD DATA								
			LWA	DBA # 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1	KEY-1	EXHAUST	835	21.495935800634	72	75.2	85.5	86	82	77.4	72.5	66.7	60.7
2	KEY-2	EXHAUST	835	21.495935800634	72	75.2	85.5	86	82	77.4	72.5	66.7	60.7

EXHAUST PERFORMANCE CURVES.

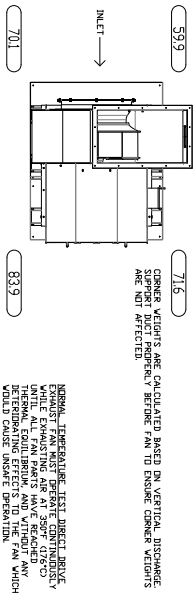
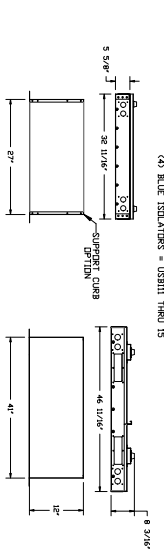
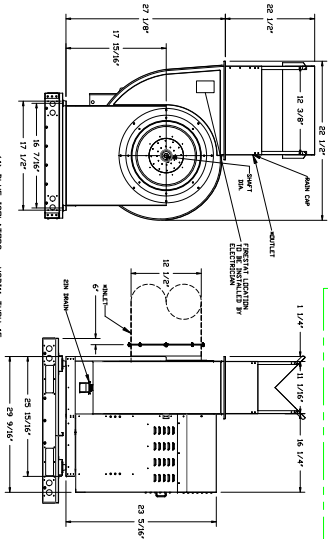
817 CFM, 2.5 SP @ 2334 RPM AND 0.77 BHP AT 492 FEET AND 120 DEG F. PLEASE NOTE THAT THESE CURVES WERE ADJUSTED FOR JOB SPECIFIC TEMPERATURE AND ALTITUDE.



Single Phase

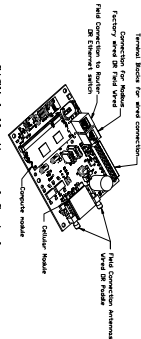


- CURB MOUNTED FANS WITH VIBRATION ISOLATOR
- FULL PERIMETER CURB
- LIFTING HOOK POCKETS ON ALL SIDES
- UL706 & UL-C-5645 (RESTAURANT MODEL)
- UL705
- HIGH HEAT RESISTANT DIRECT DRIVE 350F (176C)
- GREASE CLASSIFICATION TESTING
- 2" DRAIN
- MOTOR WEATHER COVER
- FULLY SEALED SCROLL HOUSING
- SCROLL ACCESS DOOR
- FLANGE 1 1/4" - 11 THRU 20



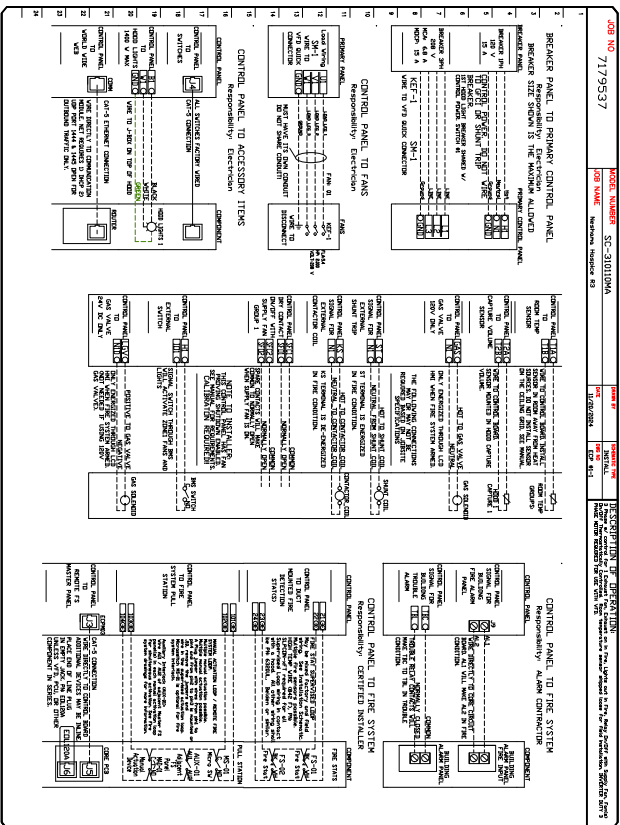
NORMAL TEMPERATURE TEST DIRECT DRIVE EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 350°F (176°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

		FANS CONTROLLED									
NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION					
				LOCATION	QUANTITY		FAN TAG	TYPE	HP	VOL	FLA
1		SC-30109M	WALL MOUNT IN SS BOX	SS WALL MOUNT BOX	1 LIGHT 1 FAN	SMART CONTROL'S THERMOSTATIC CONTROL V/ RELAY DIVERG WITH SUPPLY	KCF-1	EXHAUST	2	200	5.4
2		SC-30109M	WALL MOUNT IN SS BOX	SS WALL MOUNT BOX	1 LIGHT 1 FAN	SMART CONTROL'S THERMOSTATIC CONTROL V/ RELAY DIVERG WITH SUPPLY	KCF-2	EXHAUST	2	200	5.4



- Flood Alert Panel to support communications to cloud-based Building Management System
- Flood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as KOLIVER in the points list
- Flood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list
- Flood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies per fully integrated Building Management

MONITORING AND CONTROL POINTS LIST

[illegible]

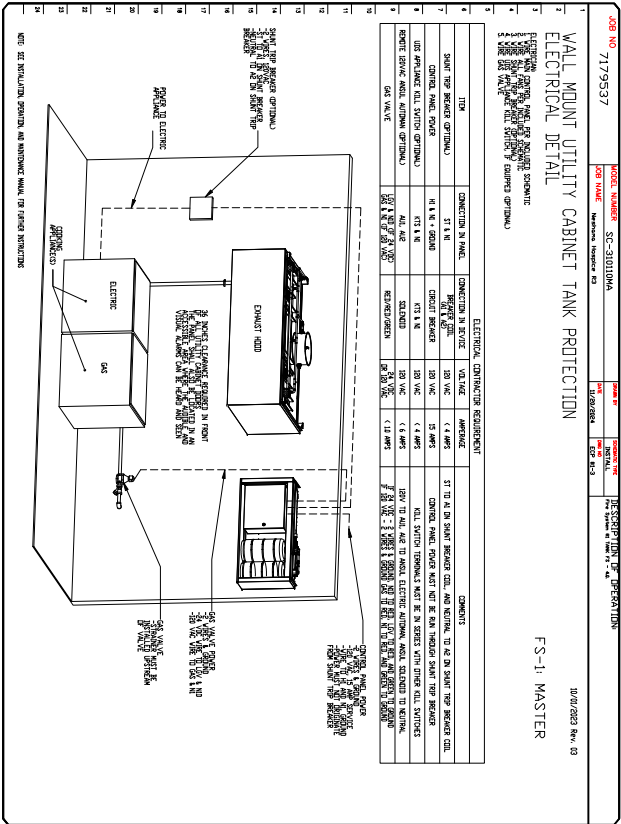
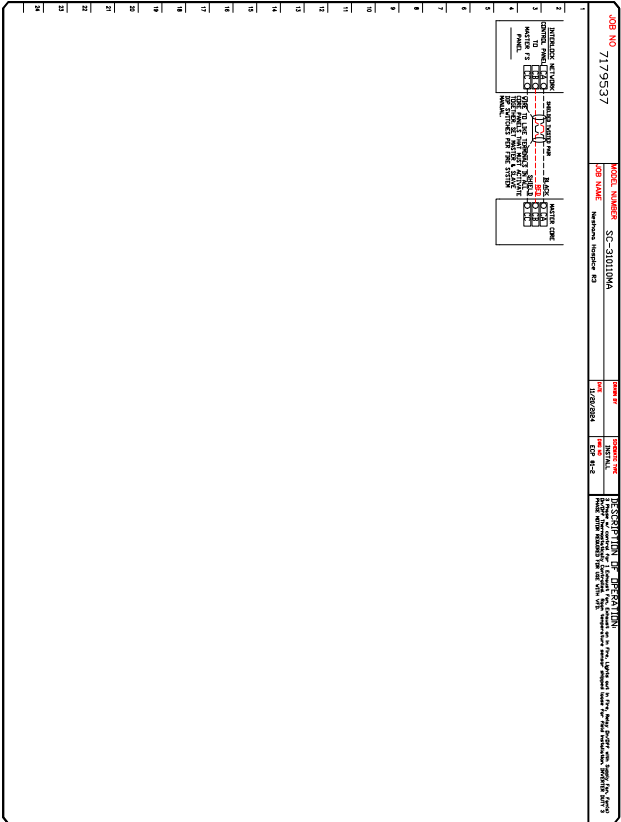
DESCRIPTION	DATE

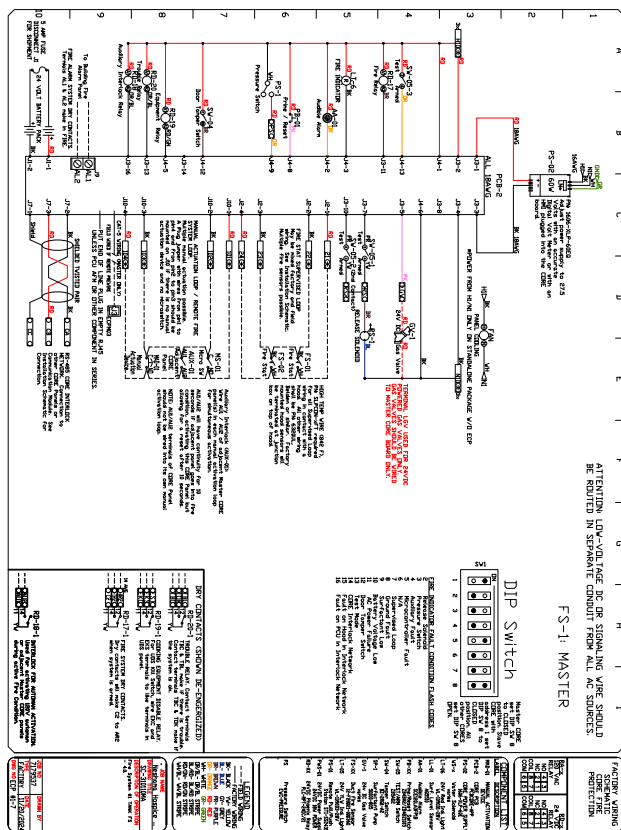


Neshama Hospice R3
25 Brightwood Street,
Toronto, ON, M3H 2Z7

DATE: 11/20/2024	DWG.#: 7179537	DRAWN BY: Ryan Fung	SCALE: 3/4" = 1'-0"	MASTER DRAWING
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SHEET NO.
5

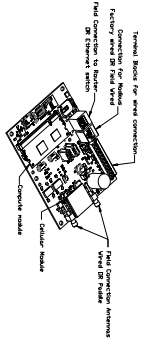




MONITORING AND CONTROL POINTS LIST

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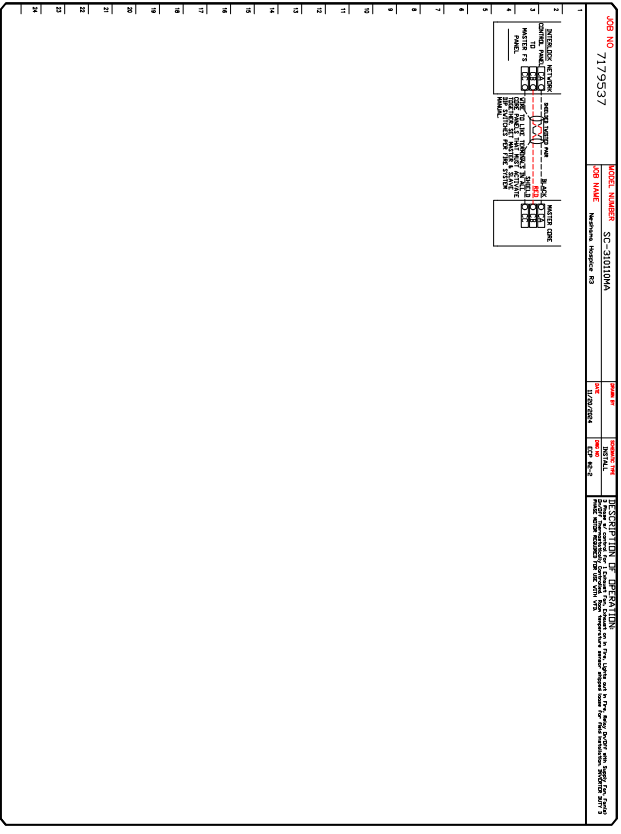
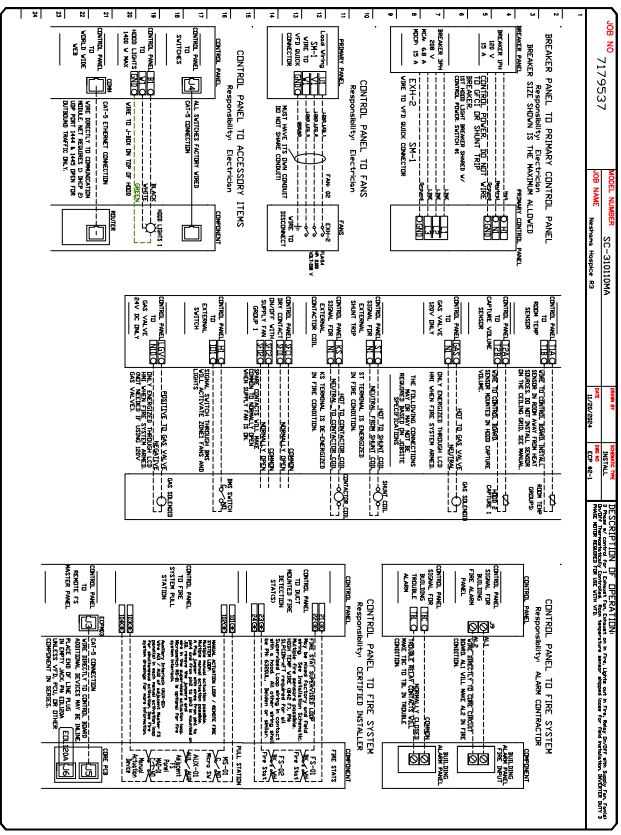
CAPTIVEAIRE
International Sales Office
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4444 Eastgate Parkway, Unit #20, Mississauga, ON, L4W 4T6 PHONE: (647) 977 - 2217 FAX: 9192275905 Email: res20@captiveaire.com

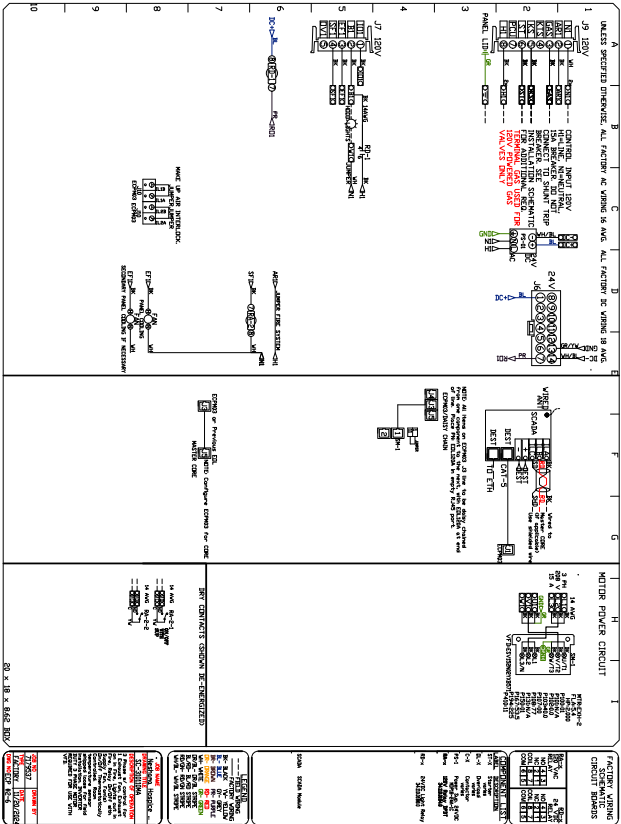
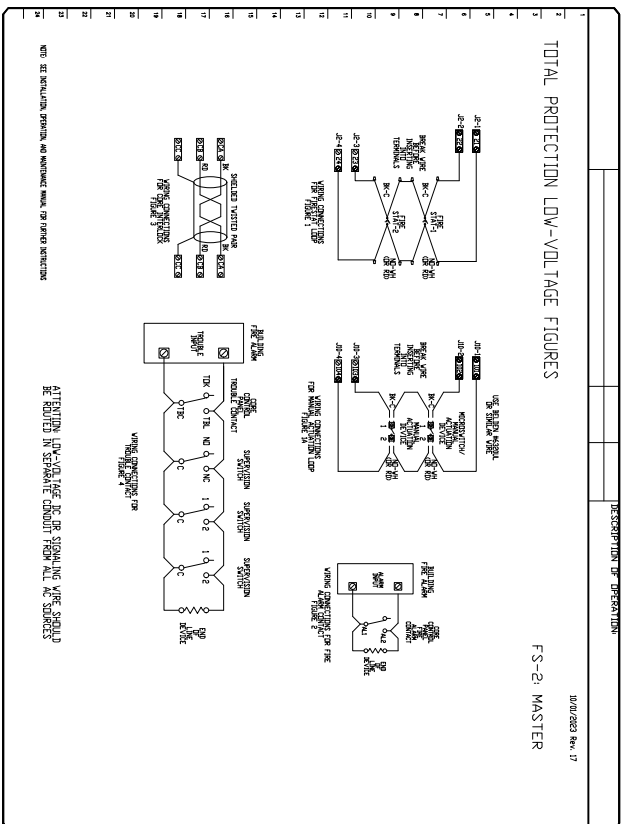


Building Management System (BMS) is a computer-based system that monitors and controls the building's mechanical systems. The Control Panel is connected to the BMS via a communication line. The Control Panel is also connected to the Fire Alarm System via a communication line. The Control Panel is also connected to the Building Management System via a communication line.

MAINTENANCE AND CONTROL POINTS LIST

Point	Function	Point	Function
1	Power Supply	11	Power Supply
2	Power Supply	12	Power Supply
3	Power Supply	13	Power Supply
4	Power Supply	14	Power Supply
5	Power Supply	15	Power Supply
6	Power Supply	16	Power Supply
7	Power Supply	17	Power Supply
8	Power Supply	18	Power Supply
9	Power Supply	19	Power Supply
10	Power Supply	20	Power Supply
21	Power Supply	22	Power Supply
23	Power Supply	24	Power Supply
25	Power Supply	26	Power Supply
27	Power Supply	28	Power Supply
29	Power Supply	30	Power Supply
31	Power Supply	32	Power Supply
33	Power Supply	34	Power Supply
35	Power Supply	36	Power Supply
37	Power Supply	38	Power Supply
39	Power Supply	40	Power Supply
41	Power Supply	42	Power Supply
43	Power Supply	44	Power Supply
45	Power Supply	46	Power Supply
47	Power Supply	48	Power Supply
49	Power Supply	50	Power Supply
51	Power Supply	52	Power Supply
53	Power Supply	54	Power Supply
55	Power Supply	56	Power Supply
57	Power Supply	58	Power Supply
59	Power Supply	60	Power Supply
61	Power Supply	62	Power Supply
63	Power Supply	64	Power Supply
65	Power Supply	66	Power Supply
67	Power Supply	68	Power Supply
69	Power Supply	70	Power Supply
71	Power Supply	72	Power Supply
73	Power Supply	74	Power Supply
75	Power Supply	76	Power Supply
77	Power Supply	78	Power Supply
79	Power Supply	80	Power Supply
81	Power Supply	82	Power Supply
83	Power Supply	84	Power Supply
85	Power Supply	86	Power Supply
87	Power Supply	88	Power Supply
89	Power Supply	90	Power Supply
91	Power Supply	92	Power Supply
93	Power Supply	94	Power Supply
95	Power Supply	96	Power Supply
97	Power Supply	98	Power Supply
99	Power Supply	100	Power Supply







SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS

NO.	DESCRIPTION	DATE



4444 Eastgate Parkway, Unit #20, Mississauga, ON, L4W 4T6 PHONE: (647) 977 - 2217 FAX: 9192275905 EMAIL: reg20@captiveaire.com

Neshama Hospice R3
25 Brightwood Street,
Toronto, ON, M3H 2Z7

DATE: 11/20/2024	DWG. #
7179537	
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13