



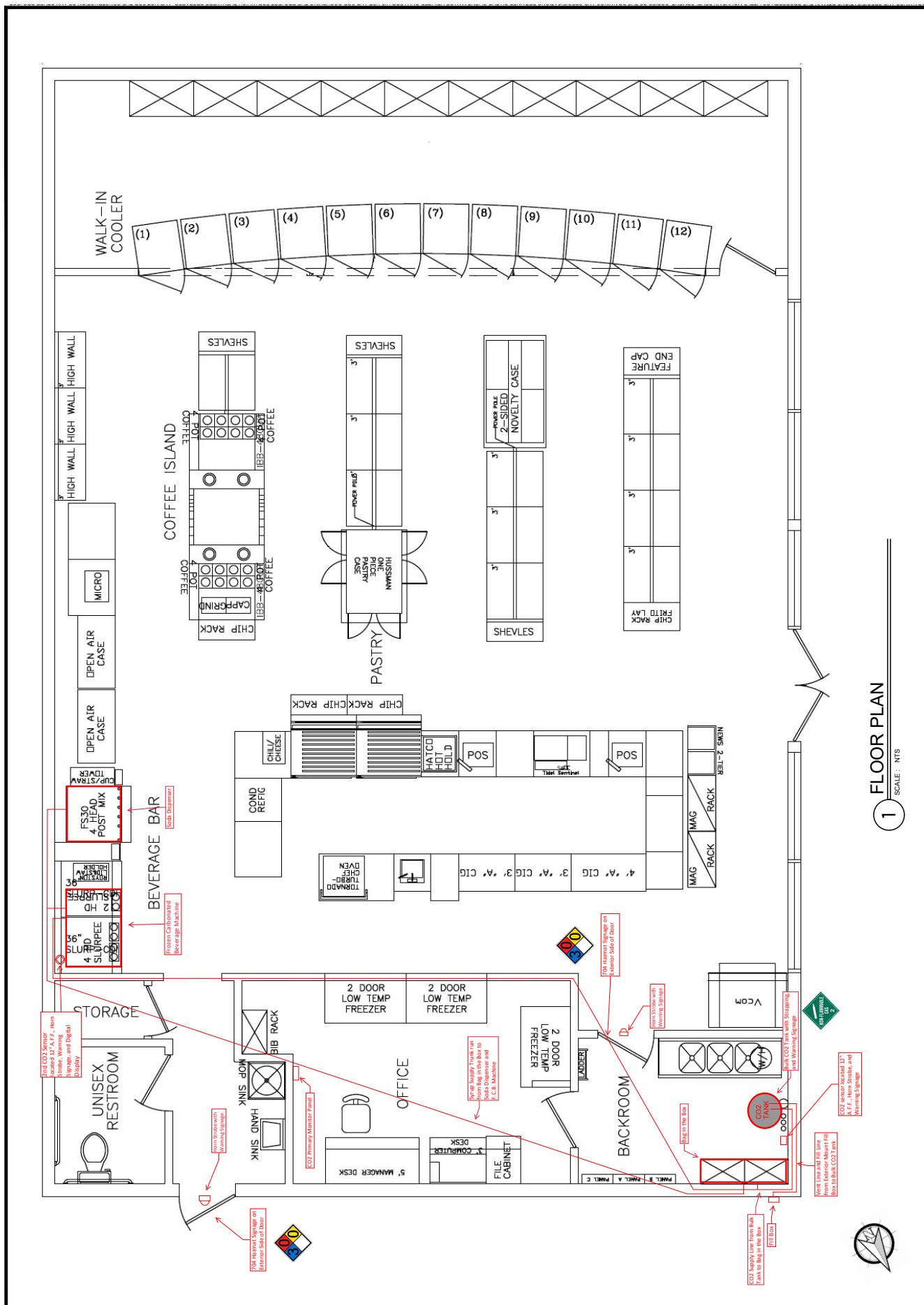
MURRAY CITY FIRE DEPARTMENT

FIRE PREVENTION BUREAU

LEAK DETECTION & NOTIFICATION FOR CO2 BEVERAGE DISPENSING APPLICATIONS

Carbon dioxide (CO2) systems with more than 100 pounds of carbon dioxide used in beverage dispensing applications shall comply with 2021 IFC 5307 & 916, 2016 NFPA 55, 2018 IMC and the following:

- Plan submittal. Provide a floor plan showing the location of the CO2 tank, piping, exterior fill location, CO2 sensors, notification devices, system control unit and required signage. Spec sheets for the tank and system components shall be included with the submittal. *See attached plan sheet example. The permit application and plan review documents must be approved prior to final inspection and building occupancy.*
- Permit. An annual “operational permit” and fire department inspection is required for CO2 detection systems. The “operational permit” fee & inspection is \$50.00.
- Leak Detection / Notification. Rooms or areas containing carbon dioxide storage tanks, cylinders, piping and fittings and other areas where a leak of carbon dioxide can collect must have an emergency alarm system installed.
 - Emergency alarm system. An emergency alarm system shall comply with all of the following:
 - Continuous gas detection shall be provided to monitor areas where carbon dioxide can accumulate.
 - Activates an audible & visual “supervisory” alarm upon detection of a CO2 concentration of 5,000ppm in a normally attended location.
 - Activates an audible & visual emergency alarm within the room or immediate area in which the system is installed upon detection of CO2 concentration of 30,000ppm.
- Acceptance Testing & Annual Certification. Inspection and testing of gas detection systems shall be conducted following the initial installation and then on an annual basis. Sensor calibration shall be confirmed at the time of installation. Future system calibration shall be performed at the frequency specified by the sensor manufacturer. CO2 emergency alarm systems are required to be certified and tagged annually.
- System Installation & Certification. Refer to list of approved vendors by Murray City Fire Department for system installation, maintenance, annual inspection and certification.



Accuflex Beverage Transfer Products

Beverage CO₂ Delivery and Cylinder Hose Series 4770



Product Information:

• Food-grade cylinder hose with a blue PVC outer jacket and a black polypropylene liner. The hose is designed for use with carbon dioxide cylinders and is suitable for use in food and beverage applications. The hose is available in various sizes and lengths, and can be used for both vertical and horizontal cylinder connections.

Style	CO ₂ Transfer Hose Rated -40°F to 150°F	CO ₂ Transfer Hose Rated -40°F to 150°F
4770-0006	6 ft.	6 ft.
4770-0012	12 ft.	12 ft.
4770-0018	18 ft.	18 ft.
4770-0024	24 ft.	24 ft.
4770-0030	30 ft.	30 ft.
4770-0036	36 ft.	36 ft.
4770-0042	42 ft.	42 ft.
4770-0048	48 ft.	48 ft.
4770-0054	54 ft.	54 ft.
4770-0060	60 ft.	60 ft.
4770-0072	72 ft.	72 ft.
4770-0084	84 ft.	84 ft.
4770-0096	96 ft.	96 ft.
4770-0108	108 ft.	108 ft.
4770-0120	120 ft.	120 ft.
4770-0132	132 ft.	132 ft.
4770-0144	144 ft.	144 ft.
4770-0156	156 ft.	156 ft.
4770-0168	168 ft.	168 ft.
4770-0180	180 ft.	180 ft.
4770-0192	192 ft.	192 ft.
4770-0204	204 ft.	204 ft.
4770-0216	216 ft.	216 ft.
4770-0228	228 ft.	228 ft.
4770-0240	240 ft.	240 ft.
4770-0252	252 ft.	252 ft.
4770-0264	264 ft.	264 ft.
4770-0276	276 ft.	276 ft.
4770-0288	288 ft.	288 ft.
4770-0300	300 ft.	300 ft.
4770-0312	312 ft.	312 ft.
4770-0324	324 ft.	324 ft.
4770-0336	336 ft.	336 ft.
4770-0348	348 ft.	348 ft.
4770-0360	360 ft.	360 ft.
4770-0372	372 ft.	372 ft.
4770-0384	384 ft.	384 ft.
4770-0396	396 ft.	396 ft.
4770-0408	408 ft.	408 ft.
4770-0420	420 ft.	420 ft.
4770-0432	432 ft.	432 ft.
4770-0444	444 ft.	444 ft.
4770-0456	456 ft.	456 ft.
4770-0468	468 ft.	468 ft.
4770-0480	480 ft.	480 ft.
4770-0492	492 ft.	492 ft.
4770-0504	504 ft.	504 ft.
4770-0516	516 ft.	516 ft.
4770-0528	528 ft.	528 ft.
4770-0540	540 ft.	540 ft.
4770-0552	552 ft.	552 ft.
4770-0564	564 ft.	564 ft.
4770-0576	576 ft.	576 ft.
4770-0588	588 ft.	588 ft.
4770-0600	600 ft.	600 ft.
4770-0612	612 ft.	612 ft.
4770-0624	624 ft.	624 ft.
4770-0636	636 ft.	636 ft.
4770-0648	648 ft.	648 ft.
4770-0660	660 ft.	660 ft.
4770-0672	672 ft.	672 ft.
4770-0684	684 ft.	684 ft.
4770-0696	696 ft.	696 ft.
4770-0708	708 ft.	708 ft.
4770-0720	720 ft.	720 ft.
4770-0732	732 ft.	732 ft.
4770-0744	744 ft.	744 ft.
4770-0756	756 ft.	756 ft.
4770-0768	768 ft.	768 ft.
4770-0780	780 ft.	780 ft.
4770-0792	792 ft.	792 ft.
4770-0804	804 ft.	804 ft.
4770-0816	816 ft.	816 ft.
4770-0828	828 ft.	828 ft.
4770-0840	840 ft.	840 ft.
4770-0852	852 ft.	852 ft.
4770-0864	864 ft.	864 ft.
4770-0876	876 ft.	876 ft.
4770-0888	888 ft.	888 ft.
4770-0900	900 ft.	900 ft.
4770-0912	912 ft.	912 ft.
4770-0924	924 ft.	924 ft.
4770-0936	936 ft.	936 ft.
4770-0948	948 ft.	948 ft.
4770-0960	960 ft.	960 ft.
4770-0972	972 ft.	972 ft.
4770-0984	984 ft.	984 ft.
4770-0996	996 ft.	996 ft.
4770-1008	1008 ft.	1008 ft.
4770-1020	1020 ft.	1020 ft.
4770-1032	1032 ft.	1032 ft.
4770-1044	1044 ft.	1044 ft.
4770-1056	1056 ft.	1056 ft.
4770-1068	1068 ft.	1068 ft.
4770-1080	1080 ft.	1080 ft.
4770-1092	1092 ft.	1092 ft.
4770-1104	1104 ft.	1104 ft.
4770-1116	1116 ft.	1116 ft.
4770-1128	1128 ft.	1128 ft.
4770-1140	1140 ft.	1140 ft.
4770-1152	1152 ft.	1152 ft.
4770-1164	1164 ft.	1164 ft.
4770-1176	1176 ft.	1176 ft.
4770-1188	1188 ft.	1188 ft.
4770-1200	1200 ft.	1200 ft.
4770-1212	1212 ft.	1212 ft.
4770-1224	1224 ft.	1224 ft.
4770-1236	1236 ft.	1236 ft.
4770-1248	1248 ft.	1248 ft.
4770-1260	1260 ft.	1260 ft.
4770-1272	1272 ft.	1272 ft.
4770-1284	1284 ft.	1284 ft.
4770-1296	1296 ft.	1296 ft.
4770-1308	1308 ft.	1308 ft.
4770-1320	1320 ft.	1320 ft.
4770-1332	1332 ft.	1332 ft.
4770-1344	1344 ft.	1344 ft.
4770-1356	1356 ft.	1356 ft.
4770-1368	1368 ft.	1368 ft.
4770-1380	1380 ft.	1380 ft.
4770-1392	1392 ft.	1392 ft.
4770-1404	1404 ft.	1404 ft.
4770-1416	1416 ft.	1416 ft.
4770-1428	1428 ft.	1428 ft.
4770-1440	1440 ft.	1440 ft.
4770-1452	1452 ft.	1452 ft.
4770-1464	1464 ft.	1464 ft.
4770-1476	1476 ft.	1476 ft.
4770-1488	1488 ft.	1488 ft.
4770-1500	1500 ft.	1500 ft.
4770-1512	1512 ft.	1512 ft.
4770-1524	1524 ft.	1524 ft.
4770-1536	1536 ft.	1536 ft.
4770-1548	1548 ft.	1548 ft.
4770-1560	1560 ft.	1560 ft.
4770-1572	1572 ft.	1572 ft.
4770-1584	1584 ft.	1584 ft.
4770-1596	1596 ft.	1596 ft.
4770-1608	1608 ft.	1608 ft.
4770-1620	1620 ft.	1620 ft.
4770-1632	1632 ft.	1632 ft.
4770-1644	1644 ft.	1644 ft.
4770-1656	1656 ft.	1656 ft.
4770-1668	1668 ft.	1668 ft.
4770-1680	1680 ft.	1680 ft.
4770-1692	1692 ft.	1692 ft.
4770-1704	1704 ft.	1704 ft.
4770-1716	1716 ft.	1716 ft.
4770-1728	1728 ft.	1728 ft.
4770-1740	1740 ft.	1740 ft.
4770-1752	1752 ft.	1752 ft.
4770-1764	1764 ft.	1764 ft.
4770-1776	1776 ft.	1776 ft.
4770-1788	1788 ft.	1788 ft.
4770-1800	1800 ft.	1800 ft.
4770-1812	1812 ft.	1812 ft.
4770-1824	1824 ft.	1824 ft.
4770-1836	1836 ft.	1836 ft.
4770-1848	1848 ft.	1848 ft.
4770-1860	1860 ft.	1860 ft.
4770-1872	1872 ft.	1872 ft.
4770-1884	1884 ft.	1884 ft.
4770-1896	1896 ft.	1896 ft.
4770-1908	1908 ft.	1908 ft.
4770-1920	1920 ft.	1920 ft.
4770-1932	1932 ft.	1932 ft.
4770-1944	1944 ft.	1944 ft.
4770-1956	1956 ft.	1956 ft.
4770-1968	1968 ft.	1968 ft.
4770-1980	1980 ft.	1980 ft.
4770-1992	1992 ft.	1992 ft.
4770-2004	2004 ft.	2004 ft.
4770-2016	2016 ft.	2016 ft.
4770-2028	2028 ft.	2028 ft.
4770-2040	2040 ft.	2040 ft.
4770-2052	2052 ft.	2052 ft.
4770-2064	2064 ft.	2064 ft.
4770-2076	2076 ft.	2076 ft.
4770-2088	2088 ft.	2088 ft.
4770-2100	2100 ft.	2100 ft.
4770-2112	2112 ft.	2112 ft.
4770-2124	2124 ft.	2124 ft.
4770-2136	2136 ft.	2136 ft.
4770-2148	2148 ft.	2148 ft.
4770-2160	2160 ft.	2160 ft.
4770-2172	2172 ft.	2172 ft.
4770-2184	2184 ft.	2184 ft.
4770-2196	2196 ft.	2196 ft.
4770-2208	2208 ft.	2208 ft.
4770-2220	2220 ft.	2220 ft.
4770-2232	2232 ft.	2232 ft.
4770-2244	2244 ft.	2244 ft.
4770-2256	2256 ft.	2256 ft.
4770-2268	2268 ft.	2268 ft.
4770-2280	2280 ft.	2280 ft.
4770-2292	2292 ft.	2292 ft.
4770-2304	2304 ft.	2304 ft.
4770-2316	2316 ft.	2316 ft.
4770-2328	2328 ft.	2328 ft.
4770-2340	2340 ft.	2340 ft.
4770-2352	2352 ft.	2352 ft.
4770-2364	2364 ft.	2364 ft.
4770-2376	2376 ft.	2376 ft.
4770-2388	2388 ft.	2388 ft.
4770-2400	2400 ft.	2400 ft.
4770-2412	2412 ft.	2412 ft.
4770-2424	2424 ft.	2424 ft.
4770-2436	2436 ft.	2436 ft.
4770-2448	2448 ft.	2448 ft.
4770-2460	2460 ft.	2460 ft.
4770-2472	2472 ft.	2472 ft.
4770-2484	2484 ft.	2484 ft.
4770-2496	2496 ft.	2496 ft.
4770-2508	2508 ft.	2508 ft.
4770-2520	2520 ft.	2520 ft.
4770-2532	2532 ft.	2532 ft.
4770-2544	2544 ft.	2544 ft.
4770-2556	2556 ft.	2556 ft.
4770-2568	2568 ft.	2568 ft.
4770-2580	2580 ft.	2580 ft.
4770-2592	2592 ft.	2592 ft.
4770-2604	2604 ft.	2604 ft.
4770-2616	2616 ft.	2616 ft.
4770-2628	2628 ft.	2628 ft.
4770-2640	2640 ft.	2640 ft.
4770-2652	2652 ft.	2652 ft.
4770-2664	2664 ft.	2664 ft.
4770-2676	2676 ft.	2676 ft.
4770-2688	2688 ft.	2688 ft.
4770-2700	2700 ft.	2700 ft.
4770-2712	2712 ft.	2712 ft.
4770-2724	2724 ft.	2724 ft.
4770-2736	2736 ft.	2736 ft.
4770-2748	2748 ft.	2748 ft.
4770-2760	2760 ft.	2760 ft.
4770-2772	2772 ft.	2772 ft.
4770-2784	2784 ft.	2784 ft.
4770-2796	2796 ft.	2796 ft.
4770-2808	2808 ft.	2808 ft.
4770-2820	2820 ft.	2820 ft.
4770-2832	2832 ft.	2832 ft.
4770-2844	2844 ft.	2844 ft.
4770-2856	2856 ft.	2856 ft.
4770-2868	2868 ft.	2868 ft.
4770-2880	2880 ft.	2880 ft.
4770-2892	2892 ft.	2892 ft.
4770-2904	2904 ft.	2904 ft.
4770-2916	2916 ft.	2916 ft.
4770-2928	2928 ft.	2928 ft.
4770-2940	2940 ft.	2940 ft.
4770-2952	2952 ft.	2952 ft.
4770-2964	2964 ft.	2964 ft.
4770-2976	2976 ft.	2976 ft.
4770-2988	2988 ft.	2988 ft.
4770-3000	3000 ft.	3000 ft.
4770-3012	3012 ft.	3012 ft.
4770-3024	3024 ft.	3024 ft.
4770-3036	3036 ft.	3036 ft.
4770-3048	3048 ft.	3048 ft.
4770-3060	3060 ft.	3060 ft.
4770-3072	3072 ft.	3072 ft.
4770-3084	3084 ft.	3084 ft.
4770-3096	3096 ft.	3096 ft.
4770-3108	3108 ft.	3108 ft.
4770-3120	3120 ft.	3120 ft.
4770-3132	3132 ft.	3132 ft.
4770-3144	3144 ft.	3144 ft.
4770-3156	3156 ft.	3156 ft.
4770-3168	3168 ft.	3168 ft.
4770-3180	3180 ft.	3180 ft.
4770-3192	3192 ft.	3192 ft.
4770-3204	3204 ft.	3204 ft.
4770-3216	3216 ft.	3216 ft.
4770-3228	3228 ft.	3228 ft.
4770-3240	3240 ft.	3240 ft.
4770-3252	3252 ft.	3252 ft.
4770-3264	3264 ft.	3264 ft.
4770-3276	3276 ft.	3276 ft.
4770-3288	3288 ft.	3288 ft.
4770-3300	3300 ft.	3300 ft.
4770-3312	3312 ft.	3312 ft.
4770-3324	3324 ft.	3324 ft.
4770-3336	3336 ft.	3336 ft.
4770-3348	3348 ft.	3348 ft.
4770-3360	3360 ft.	3360 ft.
4770-3372	3372 ft.	3372 ft.
4770-3384	3384 ft.	3384 ft.
4770-3396	3396 ft.	3396 ft.
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