Kontzamanis Graumann Smith MacMillan Inc.

KGS GROUP
CONSULTING ENGINEERS

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October 6, 2014

File No. 14-2729-0001

Manitoba Conservation and Water Stewardship
Environmental Approvals Branch
Suite 160 -123 Main Street
Winnipeg, Manitoba
R3C 1A5

ATTENTION: Eshetu Beshada, Ph.D., P. Eng.
Environmental Engineer

RE: Cloverdale Paint Inc., Environment Act Proposal
File number: 2743.10
Response to Request for Additional Information

Dear Mr. Beshada:

KGS Group in conjunction with Cloverdale Paint Inc. (Cloverdale) has prepared this response to your request for additional information on the Environment Act Proposal (EAP) submitted July 28, 2014 for licencing approval of the continued operation and expansion of Cloverdale Paint manufacturing plant and warehouse located at 50 and 70 Panet Road. Responses are provided below for the six (6) items identified in your letter dated August 21, 2014 and the telephone discussions with Shaun Moffatt so that you can continue processing the proposal. Supporting information is enclosed with this letter, when necessary, as identified in the following responses.

1. The plant generally operates 52 weeks per year but drops to one skeleton shift per day between Christmas and the new year. Operation times and annual production capacities for the four departments are as follows:

   The Powder department operates three shifts from Monday at 6:00 am to Friday at 2:30 pm. The shifts are as follows: Days (6:00 am to 2:30 pm, Monday to Friday); Evenings (2:00 pm to 12:30 am, Monday to Thursday); and Midnights (8:00pm to 6:30 am, Monday to Thursday). There are two production lines which include pre-mixing, extruding and grinding stations producing three classes of powder (Polyester, Epoxy and a Polyester/Epoxy Hybrid) covering approximately 100 active products. The department produces 750,000 kg of product per year.

   The Sealant department operates Monday to Thursday. There is one 10 hour shift per day running from 4:00 am to 2:30 pm. There are two extrusion tape lines, consisting of a ribbon mixer and an extruder, producing approximately 78 active products. There is also one caulking line, consisting of one mixer and a packaging area, producing 10 active products. The Sealants department produces 625,000 kg of product per year.

The Resin department operates from Sunday at 10:00 pm to Friday at 10:30 pm and consists of three shifts: Days (6:00 am to 2:30 pm, Monday to Friday); Evenings (2:00 pm to 10:30 pm, Monday to Friday); and Midnights (10:00 pm to 6:30 am, Sunday to Thursday). The production line has one 4,000 litre kettle which produces approximately 24 active products. The Resin department produces 900,000 kg of product per year.

The Liquid department runs from Monday at 6:00 am to Friday at 2:30 pm and consists of three shifts: Days (6:00 am to 2:30 pm, Monday to Friday); Evenings (2:00 pm to 12:30 am, Monday to Thursday); and Midnights (8:00 pm to 6:30 am, Monday to Thursday). The equipment consists of 5 dispersers ranging from 10hp to 150hp, 9 bead mills and various sized holding tanks. The product line consists of enamels, tint bases, lacquers, epoxies and urethanes covering approximately 550 active products. The Liquids department produces 2,500,000 litres of product per year.

2. In the 2013 production year, 2,206,132 kg of raw materials (Appendix A) were used to produce 2,139,948 kg of finished goods. The difference between input and output volume is approximately 55,121 kg. The 55,121 kg of material "lost" during the production process represents approximately 3% of all materials used in the various production processes however it is not known precisely how much of the lost material is attributed to VOCs alone. Some materials used in Resin production have losses of less than 3% and many have losses less than 1% and so some of the material volume lost during Resin production was calculated using a different percentage. Those materials are highlighted in yellow in Appendix A. Approximately 27,560 kg (50%) of the material that doesn't end up in the finished products is captured in the plant's sludge tanks, and is disposed of through Clean Harbors; the remaining 27,560 kg of "lost" material is exhausted to the outside.

3. The complete list of the VOC containing raw materials used within the plant is provided in Appendix A with a copy of the MSDS for each material provided electronically on the enclosed CD.

4. Most of the VOC sources are stored in the areas identified as #9 (Receiving) and #19 (Wet weigh up) as shown on the floor plan provided in Appendix B. The balance of VOC material used in the plant are bulk solvents which are stored in the tank farm. All sources are stored in closed containers until they are weighed up for use in production. All of our production dispersers and mills have exhaust hoses at their locations to remove dusts/fumes and the whole production area is covered by supply air ducting as well as exhaust ducting to remove any fugitive emissions.

   The locations and specifications for the main Air Makeup Unit (AMU) and exhaust systems are shown in Appendix C. The Liquids AMU (MUA-1) and Liquids Exhaust (EF-1) are located along the southwest wall of the manufacturing plant adjacent the mezzanine area, whereas MUA-3 is located on the rooftop of the manufacturing plant to provide air supply to the powders area. The supply ducting layout for MUA-1 is shown Appendix D and the exhaust ducting layout for EF-1 is illustrated in Appendix E.

5. The powder baghouse uses a pre-filter on the incoming air. The air is then further cleaned with a two inch Camfill Farr 30/30 (Merv 8 rating) followed by a Camfill Farr Rigaflo 200 (Merv 14A rating) that captures particles down to 0.012 microns before re-cycling the air back in the plant. This unit runs 24 hours a day, 7 days a week and is shut down for maintenance once a week. Waste coming from the bag house is approximately 25 kg per week. Appendix F describes additional design specifications of the powder baghouse.

6. No particulate analysis on either the filtered (captured) material from the baghouse or the exhausted material has been conducted to date.

Should you require any additional information or have any questions regarding the Environment Act Proposal, please contact the undersigned at 204-896-1209.

Yours truly,

Shaun Moffatt, M.Sc.
Senior Environmental Scientist

GS/jr

cc Mr. Bill Kielly, Cloverdale Paint

APPENDICES

APPENDIX A

VOC RAW MATERIALS

Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
A10100 ANTI-TERRA U (RW)	200	6.00
A11200 NUOSPERSE 657NA (RW)	1,696	50.88
A12800 DISPERBYK-182	0	0.00
A12900 BYK 163 (RW)	348	10.44
A13000 DISPERBYK 130 (RW)	11	0.33
A13300 DISPERBYK 110 (RW)	773	23.19
A13400 LACTIMON (RW)	8	0.24
A13500 DISPERBYK (RW)	3	0.09
A13600 DISPERBYK-190	0	0.00
A13800 BYK 307 ZERO VOC (RW)	708	21.24
A14400 TEGO DISPERS 710 (RW)	35	1.05
A16000 DISPERBYK-161	0	0.00
A16001 DISPERBYK 166 (RW)	34	1.02
A16002 DIPERBYK-194N	0	0.00
A16003 DISPERBYK-2000 (RW)	2,743	82.29
A16004 SOLSPERSE 38500 (RW)	708	21.24
A16005 SOLSPERSE 32500 (RW)	2,342	70.26
A16007 BYK-337 (RW)	165	4.95
A16008 DISPERBYK-140 (RW)	207	6.21
A16009 BYK-P-104 (RW)	2,264	67.92
A16010 DISPERBYK 2008 (RW)	43	1.29
A27001 BYK-310 (RW)	5	0.15
A30600 POLYPHASE P20T (RW)	0	0.00
A35500 KATHON LX 1.5%	0	0.00
A40500 BYK-052N (RW)	410	12.30
A42500 BYK - A501 (RW)	586	17.58
A45001 BYK-141 (RW)	12	0.36
A45004 BYK-085 (RW)	1,222	36.66
A45008 BYK 361N (RW)	7	0.21
A50100 ACTIV 8 (RW)	41	1.23
A50200 NUXTR-CALCIUM-6% (RW)	1,461	43.83
A50201 BORCHI OXYCOAT (RW)	5	0.15
A60200 MPA 60/XYL-NO REORDR (RW)	213	6.39
A61700 ACRYSOL TT-935 (RW)	4	0.12
A62900 MPA 1078-X	0	0.00
A63900 ACRYSOL RM-8W	0	0.00
A64400 MPA 2000X (RW)	13,463	403.89
A68005 DISPARLON PFA-231 (RW)	3,879	116.37
A68008 MPA-4020 BA (RW)	1,322	39.66
A68015 BYK-430 (RW)	4	0.12

Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
A70100 BYK 300 (RW)	103	3.09
A70400 BYK 354 (RW)	8,471	254.13
A71200 BYK 306 (RW)	1,148	34.44
A71300 BYK 331 (RW)	1	0.03
A71500 MODAFLOW (RW)	15	0.45
A71700 BYK-370	0	0.00
A72500 ADDID 900 (RW)	766	22.98
A72700 BYK 320 (RW)	56	1.68
A75000 SILAID 11 (RW)	173	5.19
A79000 BENZOIN (RW)	803	24.09
A79001 RESIFLOW P67 (RW)	603	18.09
A79006 OXYMELT A4 (RW)	4,012	120.36
A79007 RESIFLOW PL200 (RW)	873	26.19
A80800 TRIMETHYL BORATE (RW)	96	2.88
A81000 MURIATIC ACID (RW)	15	0.45
A81300 BUTYL BENZYL PHTHALA (RW)	30,992	929.76
A82011 BYK-CATALYST 451	0	0.00
A91500 TINUVIN 292 (RW)	4,771	143.13
A92100 RAYBO 82 (RW)	14	0.42
A95000 SILANE A-174 (MEMO) (RW)	13	0.39
A95001 SILANE-A-189 (RW)	148	4.44
A95100 TINUVIN-770 (RW)	30	0.90
A95101 TINUVIN-P (RW)	30	0.90
A95102 TINUVIN 123 (RW)	171	5.13
A95104 IRGANOX 1076 (RW)	24	0.72
A96003 VANAX-PY (RW)	11	0.33
A96004 RAYBO 41 (RW)	3	0.09
A96006 SL 551 (RW)	3,044	91.32
A96008 TYZOR TNBT (RW)	167	5.01
B20100 VULCANOIL 545 (RW)	42,835	428.35
B42700 NEXXCOAT 700 (RW)	30,855	308.55
B50100 BUTYL AC.15-MEHQ (RW)	9,168	91.68
B50200 ROCRYL HEA 420 (RW)	45,228	452.28
B50300 ETHYL ACRYLATE (RW)	203	2.03
B50500 1 6 HEXANEDIOL DIACR (RW)	126,274	1,262.74
B53400 TMPTA (RW)	20,367	203.67
B54000 GMAA (RW)	38	0.38
B54400 H.E.M.A.-250 PPM (RW)	1,948	19.48
B54500 A.A.E.M. (RW)	27,774	277.74
B64000 2MERCAPTOETHANOL (RW)	7	0.07

Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
D20100 866-0018-WHITE (RW)	135	4.05
D20300 UNICAL 866 LAMP BLAC (RW)	0	0.00
D20400 866-1810-YELLOW	0	0.00
D21000 866-9494-VIOLET	0	0.00
D21100 866-7215-BLUE	0	0.00
D21400 866-2825-YELLOW	0	0.00
D21500 866-0979-ORANGE	0	0.00
D22200 866-0978-ORANGE	0	0.00
D22300 844-0982 UO (RW)	0	0.00
D22400 844-1861 YO YEL.OXID (RW)	18	0.54
D22800 844-9955-LAMP BLACK	0	0.00
D22900 844-0061-WHITE	0	0.00
D23100 844-2061-YELLOW	0	0.00
D23105 844-2551-YELLOW	0	0.00
D23207 844-2555 YELLOW	0	0.00
D23400 844-5559-GREEN	0	0.00
D23500 844-9451-VIOLET	0	0.00
D50100 SDF E30-B ALUMINUM P (RW)	121	3.63
D51500 AL.PASTE-STAPA HCP 6 (RW)	243	7.29
D51600 ALUM-PASTE-STAPA IL (RW)	112	3.36
D51700 STAPA IL HYDROLAN 21 (RW)	183	5.49
D51800 SSP-313AR AL. PASTE (RW)	5	0.15
D51900 ALUM-PASTE-STAMFORD (RW)	32	0.96
D52000 STAMFORD A1 (RW)	28	0.84
D62300 XP 4166 UO LF ORANGE (RW)	0	0.00
D62400 XP 4177 YO YELLOW OX (RW)	90	2.70
D62500 XP 4148 QUIND RED QR	0	0.00
A62600 XP 4188 OCXP BU BURNT UMBER	0	0.00
D62700 XP 4132 PB PHALO BLU (RW)	11	0.33
D62800 XP 4191 LB LAMP BLAC (RW)	101	3.03
D62900 XP 4100 TW TITANIUM (RW)	12	0.36
D63000 XP 4144 RO RED IRON OXIDE	0	0.00
D63500 XP QV QUINEACRIDONE VIOLET	0	0.00
D63300 XP 4110 OY LF ORGANI (RW)	9	0.27
D63600 XP 4112 MY LF MEDIUM (RW)	21	0.63
D90000 REBUS 6602 YEL.OX EP (RW)	1,912	57.36
D90100 REBUS 6405 BLUE EP.T (RW)	23	0.69
D90200 REBUS 6700 GR. EP. T (RW)	78	2.34
D90300 REBUS 6100 BL. EP. T (RW)	334	10.02
R10030 CARDOLITE LITE 2565((RW)	24,419	732.57

Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
R10050 SILRES MSE 100 (RW)	2,221	66.63
R20200 BECKOSOL AA-220	0	0.00
R20500 AA-207 (RW)	9,715	291.45
R21000 BECKOSOL IA-378	0	0.00
R40400 BECKOSOL 12-079	0	0.00
R40600 EPOTUF 38-406/SE-724 (RW)	263	7.89
R43000 PARALOID B-67	0	0.00
R43501 BUTVAR B-790 (RW)	231	6.93
R46401 RESYD 4100X60 (RW)	255	7.65
R50500 EPODIL L (RW)	2,237	67.11
R60102 RHOPLEX 928 (RW)	121	3.63
R63600 JONCRYL 2561	0	0.00
R70001 PARALOID-DM-55 (RW)	500	15.00
R70010 NC-SS 30-35 CPS	0	0.00
R70020 RS 1/16 SEC NITRO. (RW)	1,584	47.52
R70200 N/C-RS-1/2-SEC.(AN) (RW)	79,129	2,373.87
R70300 N/C RS 5/6 (RW)	11,040	331.20
R80901 EPI-TEX 183 (RW)	608	18.24
R90101 CYMEL MB-94 (RW)	697	20.91
R90300 CYMEL U-21-510 (RW)	868	26.04
R90700 TES-40 (6-8 WEEK LEA (RW)	5,261	157.83
R90806 SETALUX 10-1440	0	0.00
R90817 RD17-1453 (RW)	48	1.44
R91100 VEHICLE X-8020 (RW)	3,143	94.29
R92800 SYNOCURE 890S (RW)	4,170	125.10
R92900 SYNOCURE 895S (RW)	1,390	41.70
R93100 PARALOID AE-1285	0	0.00
R93401 DESMODUR N 3200 (RW)	68	2.04
R93501 ANCAMIDE 220X70 (RW)	4,824	144.72
R93700 DER684EK40/EPOTUF 38 (RW)	1,298	38.94
R95008 RD27-1435 (RW)	53	1.59
R95400 SYNOCURE 899 SA (RW)	1,707	51.21
R97800 TOLONATE XIDT-70BA (RW)	1,455	43.65
R98100 ANCAMINE 2458 (RW)	82	2.46
R98500 DOW CORNING 840 (RW)	1,024	30.72
R98502 431 HS RESIN (RW)	62	1.86
R98700 ANCAMIDE 2050 (RW)	9,864	295.92
R98800 NPEF 170 / DOWDER354 (RW)	24,560	736.80
R99003 ANCAMINE 2432 (RW)	6,790	203.70
R99005 ANCAMINE 2410IPA75 (RW)	619	18.57

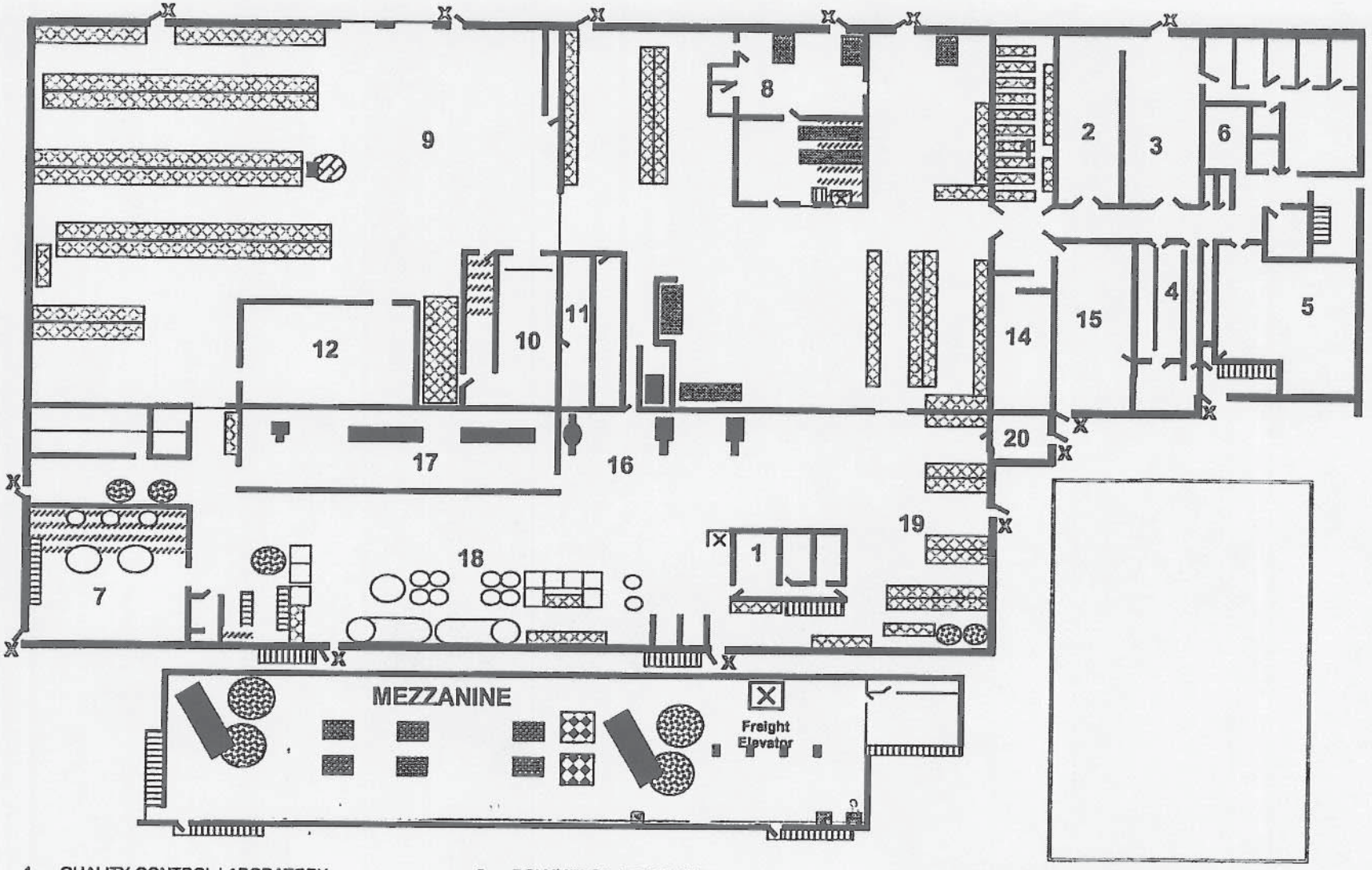
Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
R99006 ANCAMINE 2280 (RW)	1,623	48.69
R99910 CYMEL U-663 (RW)	1,075	32.25
S10200 MINERAL SPIRITS	0	0.00
S10800 VM&P NAPTHA	0	0.00
S20100 HISOL15/CYCL/VANS63 (RW)	396	11.88
S20300 TOLUENE	47,785	1,433.55
S20400 XYLENE	262,105	7,617.45
S20500 HISOL10/SON100/CYC53 (RW)	102,724	2,439.12
S30100 ISOPROPANOL 99%/ISOP (RW)	7,356	220.68
S30200 METHANOL 99%-TOTE (RW)	117,026	2,727.18
S30400 N-BUTANOL/N.BUTYL AL (RW)	37,223	1,116.69
S30500 ETHANOL DENATURED 2A (RW)	3,500	105.00
S30800 FURFURYL ALCOHOL (RW)	3,096	92.88
S30900 BENZYL ALCOHOL (RW)	71	2.13
S31200 N-PROPYL ALCOHOL (RW)	48,327	1,449.81
S31300 ISOBUTANOL (RW)	432	12.96
S40100 ACETONE (RW)	1,961	58.83
S40300 UCAR ESTER EEP/GLYCO (RW)	74,661	1,521.39
S40400 ETHYL ACETAT 99% (RW)	146,964	1,825.32
S40500 2 4-PENTANEDIONE (RW)	3,169	95.07
S40600 M.E.K. (RW)	60,118	1,803.54
S40700 MIBK (RW)	11,607	348.21
S40800 N-BUTYL ACETATE (RW)	158,898	4,766.94
S40801 N-BUTYL ACETATE (RW)	6,003	180.09
S40900 METHYL N-AMYL KETONE (RW)	39,218	1,176.54
S41100 PM ACETATE (RW)	8,336	250.08
S41800 ISOBUTYL ISOBUTYRATE	0	0.00
S41900 GLYCOL ETHER EP (RW)	5,534	166.02
S43000 METHYL PROPYL KETONE (RW)	14,759	442.77
S43100 N-BUTYL PROPIONATE (RW)	6,350	190.50
S43300 PROPYL ACETATE	0	0.00
S43400 METHYL ACETATE (RW)	32,776	983.28
S60100 ETHYLENE GLYCOL (RW)	4,994	149.82
S70100 GLY.ETH.EB/BUT.CSOLV (RW)	17,868	536.04
S72000 METHYL CARBITOL	0	0.00
S70500 PM SOLVENT (RW)	13,342	400.26
S70900 GLYCOL ETHER DPM/ARC (RW)	5,339	160.17
S72100 EKTASOLVE-EB-AC (RW)	3,086	92.58
S80001 TERTIARY BUT.ACETATE (RW)	71	2.13
S80100 METHYLENE CHLORIDE (RW)	316	9.48

Product Name	Material Used in 2013 Production (kg)	Material Lost During Production (kg)
S81100 OXSOL 100	0	0.00
S81500 METHYL ACETATE (RW)	30	0.90
W23000 GPA 245 MED OIL ALK (RW)	11,353	340.59
W23100 GPA 851 HS MED OIL A (RW)	28,426	852.78
W24000 20%SOLSPER 24000 BuA (RV)	5,637	169.11
W24100 GPA 475 HS COCONUT (RW)	2,812	89.43
W32000 GPALKYD 125	0	0.00
W32100 GPA 153 SHORT OIL AL (RW)	90,168	2,705.04
W32200 GPA 560 ACRYLIC ALK (RW)	11,401	342.03
W32300 GPA 173 SHORT OIL AL (RW)	15,969	479.07
W90801 GPACRYL 597 (RW)	49,794	1,493.82
W90802 GPESTER 766 SS II (RW)	58,251	1,747.53
W90807 GPACRYL 613 (RW)	25,853	775.59
W95004 GPESTER 786	0	0.00
W95006 GPACRYL 580 (RW)	58,383	1,751.49
Total	**2,206,132**	**55,121.15**
Amount of product produced in 2013	**2,139,948**	

NOTE: Approximately 3% of materials used in the various production processes is lost during manufacturing. Some materials used in Resin production have losses of less than 3% and many have losses of less than 1%. The Material Lost During Production value is calculated using a percentage estimated for that specific material. Those materials are highlighted in yellow.

APPENDIX B

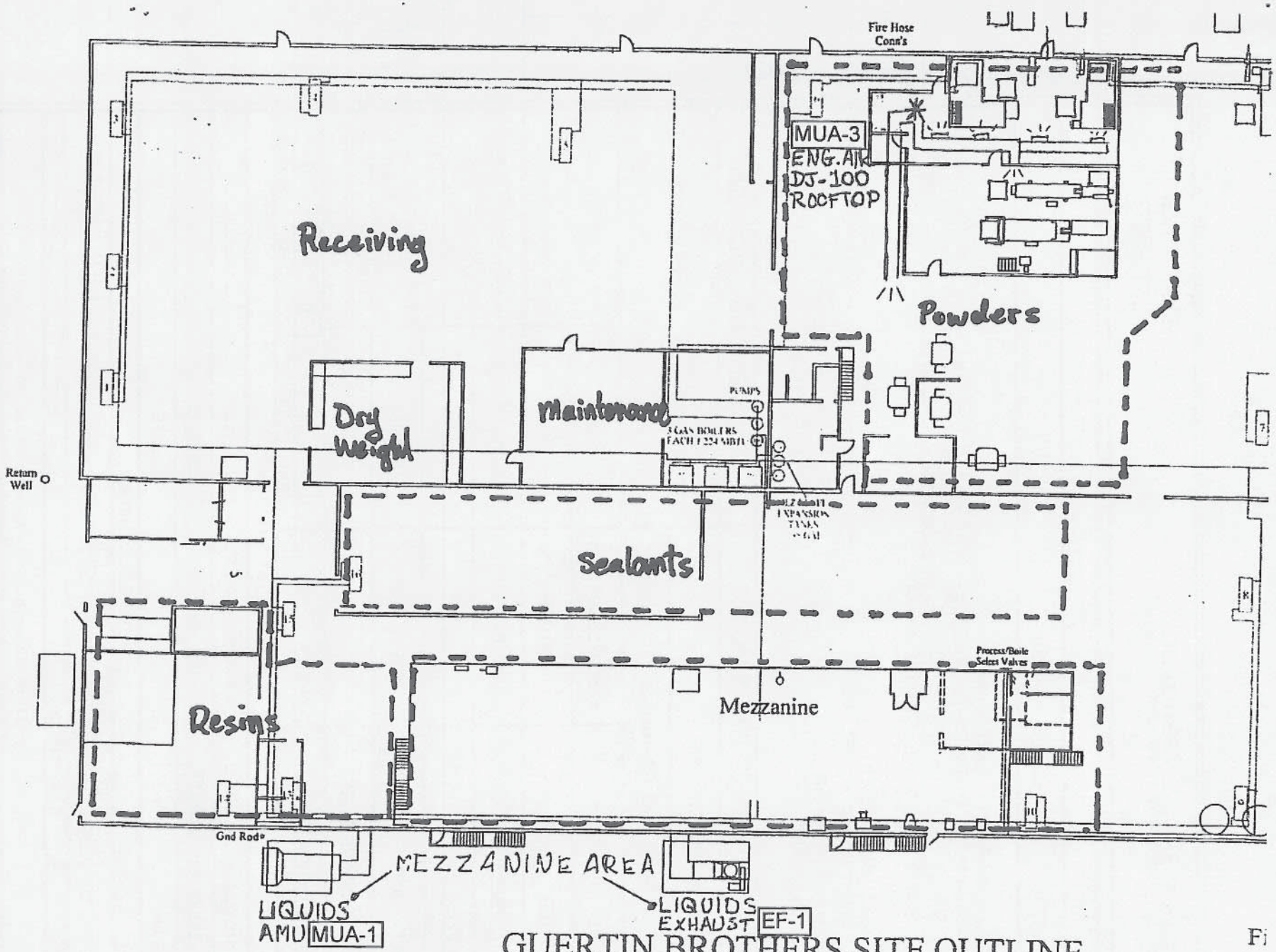
FLOOR PLAN



1	QUALITY CONTROL LABORATORY	2	POLYMERS LABORATORY	3	ELASTOMERS LABORATORY
4	PILOT LABORATORY (GRIND ROOM)	5	COATINGS LABORATORY	6	ANALYTICAL LABORATORY
7	RESIN PRODUCTION	8	POWDER COATINGS PRODUCTION	9	RECEIVING
10	MAINTENANCE	11	BOILER ROOM	12	DRY WEIGH UP
13	LABORATORY STORAGE	14	CHANGE ROOM	15	LUNCH ROOM
16	SEALANTS AND TAPE PRODUCTION	17	SEALANTS AND TAPE PACKAGING	18	CANNING (BENEATH MEZZANINE)
19	WET WEIGH UP	20	NITROCELLULOSE STORAGE VAULT		

APPENDIX C

VENTILATION


Fire Hose Conn's
MUA-3
ENG. AIR
DJ-100
ROOFTOP
Receiving
Powders
Dry Weight
Maintenance
PUMPS
Return Well
Sealants
Process/Boole Select Valves
Mezzanine
Resins
Gnd Rod
MEZZANINE AREA
LIQUIDS AMU MUA-1
LIQUIDS EXHAUST EF-1
GUERTIN BROTHERS SITE OUTLINE
50'
100'
150'
200'
250'

AIR MOVEMENT SERVICES LTD.
51-B SPEERS ROAD, WINNIPEG, MANITOBA R2J 1M2

EXHAUST FAN TEST SHEET

BUILDING GUERTIN – 50 PANET ROAD

SYSTEM EF-1 EXHAUST FAN

FAN CAPACITY ESTABLISHED:
- MAIN DUCT PITOT TUBE TRAVERSE [ ]
- SUM OF PITOT TUBE TRAVERSES [X]
- SUM OF READINGS AT INTAKE(S) [ ]

SEE TRAVERSE SCHEDULE FOR INFORMATION.

DESIGN AND MANUFACTURER'S DATA		FINAL OPERATING CONDITIONS
FAN MAKE NORTHERN BLOWER		SYSTEM - % OF SPECIFIED
SIZE MODEL NO: 4025 A WHL		
VOLUME	-	27,420 CFM
FAN SPEED	-	1260 RPM
STATIC PRESSURE	-	-
AMPERAGE	48.0	35.0/37.2/38.3
POWER 50.0 HP VOLTAGE	575 – 3/60	575/576/578
FILTER PRESSURE DROP		
PULLEY POSITION	FIXED	[ ] MIN [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] MAX

SYSTEM STATIC PRESSURES

INLET:	-3.100"WG	OUTLET:	-

DRIVE INFORMATION

	DRIVE SIZE & GROOVES	SHAFT SIZE	BELT SIZE	C TO C OF SHEAVES
FAN	12 3/8 O.D. 4	2 3/16	5V 1400	53.0
MOTOR	5V 9.0E 4	E 2 1/8		

"FIELD STATIC PRESSURE MEASUREMENTS RARELY CORRESPOND WITH LABORATORY STATIC PRESSURE MEASUREMENTS UNLESS THE FAN INLET AND OUTLET CONDITIONS ARE EXACTLY THE SAME AS THE INLET AND OUTLET CONDITIONS IN THE LABORATORY"
AMCA FAN APPLICATION MANUAL NO. 202

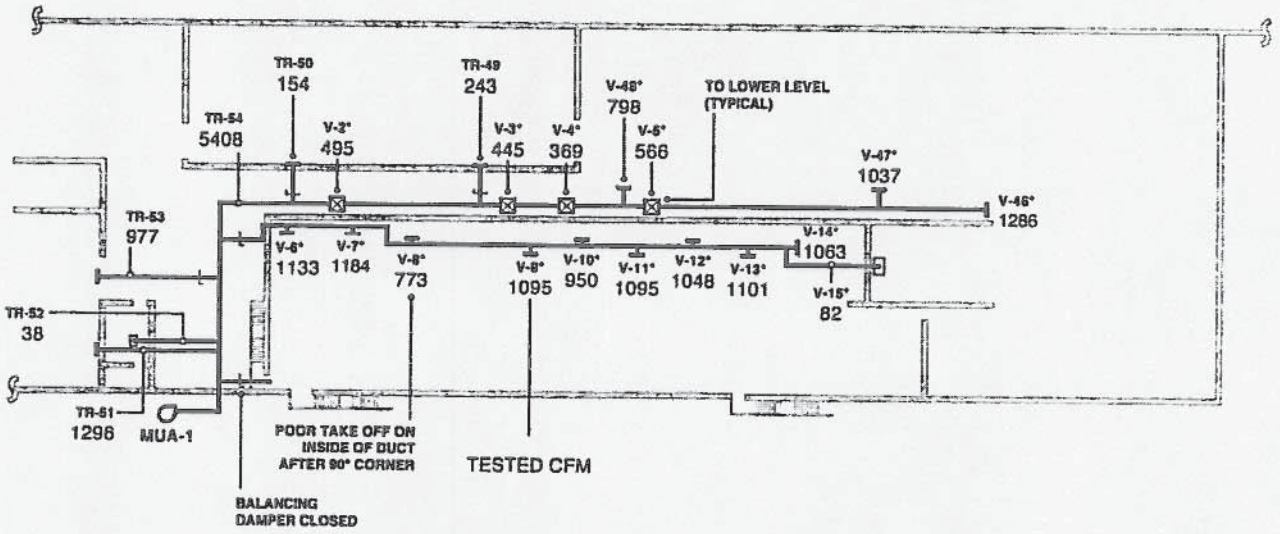
AABC

05/2012
13472

APPENDIX D

AMU DISTRIBUTION

AIR MOVEMENT SERVICES LTD.
51-B SPEERS ROAD, WINNIPEG, MANITOBA R2J 1M2



READINGS RECORDED WITH THE SHORTRIDGE INSTRUMENTS INC. MANOMETER AND PITOT TUBE TRAVERSE.

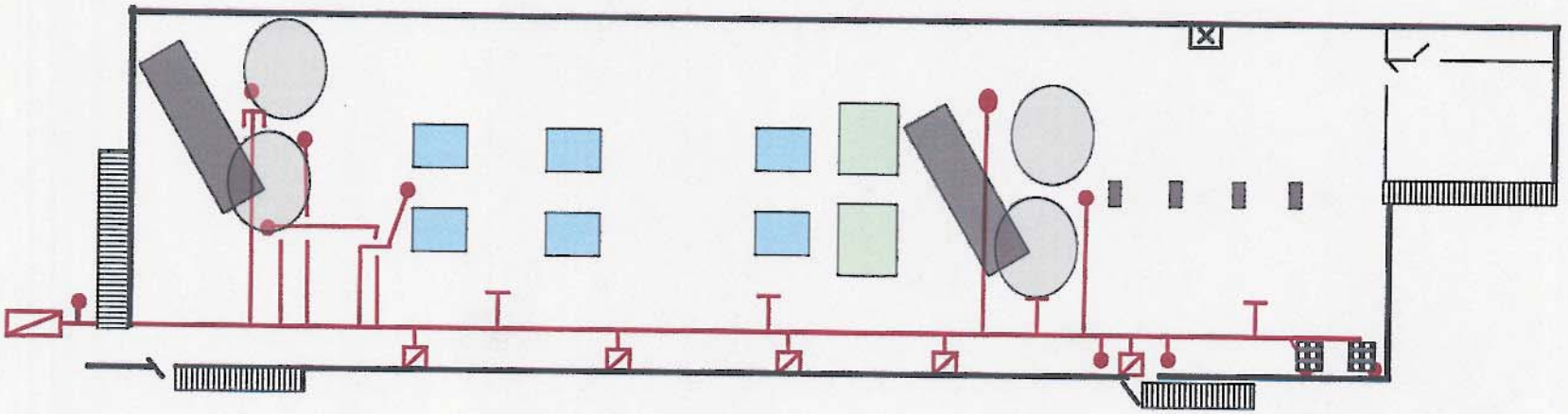
* READINGS RECORDED WITH THE SHORTRIDGE INSTRUMENTS INC. VELGRID.

MAKE-UP AIR MUA-1
GUERTIN
50 PANET ROAD

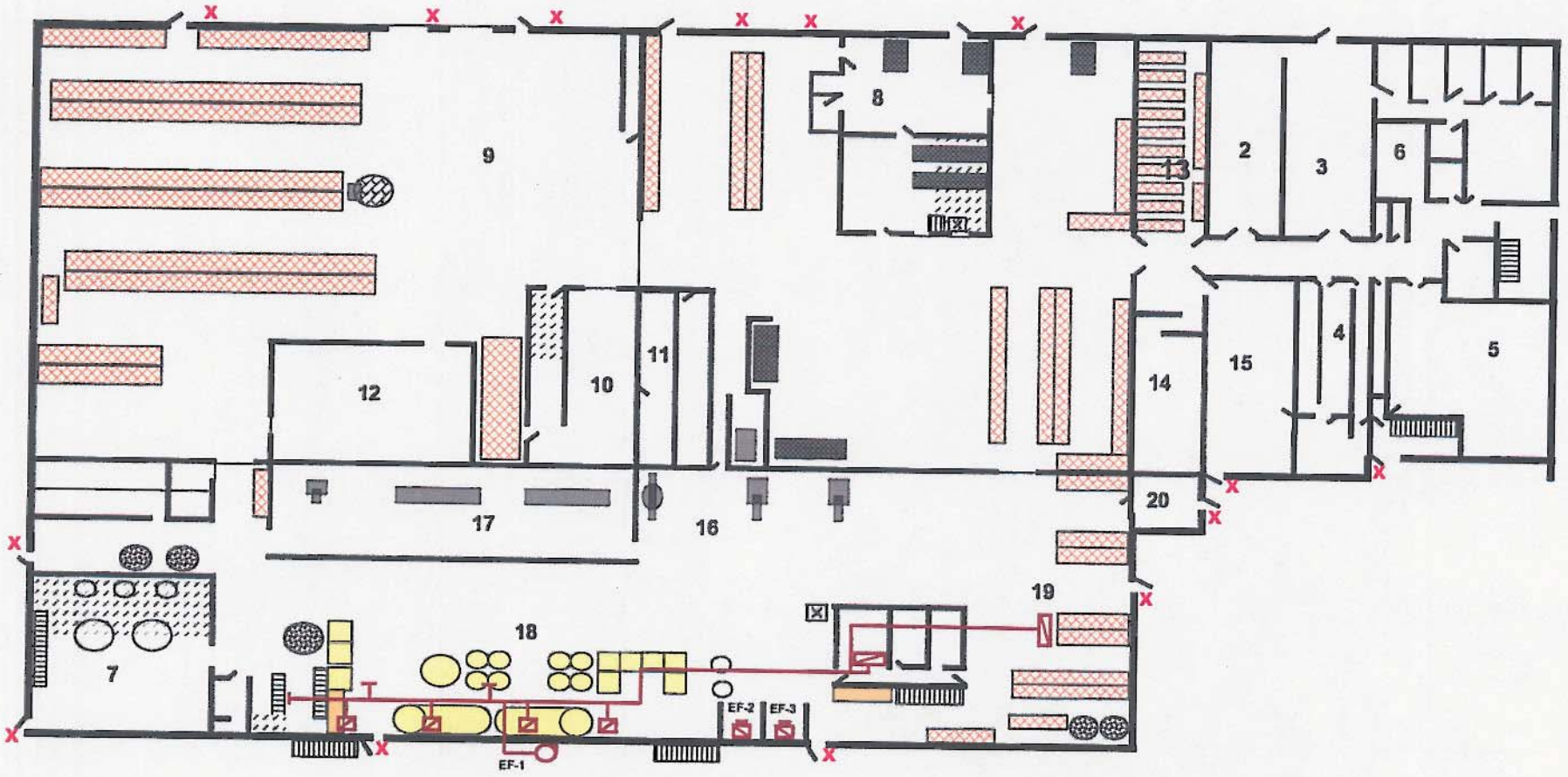
13472

APPENDIX E

EXHAUST DUCTING

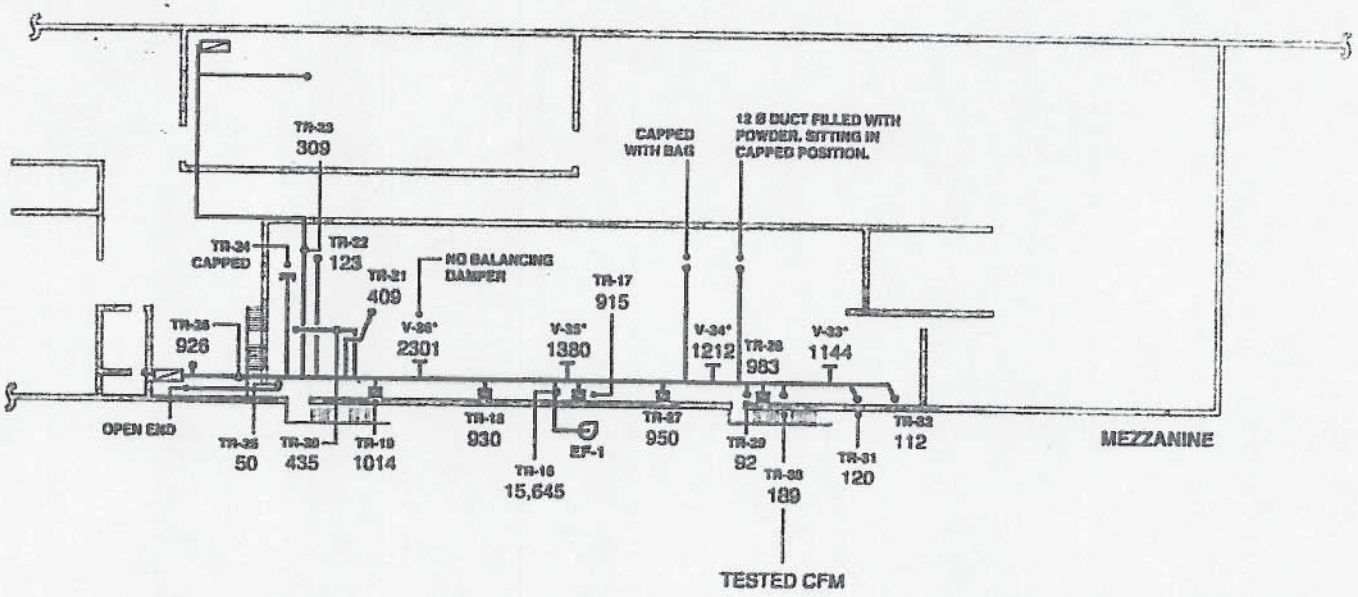


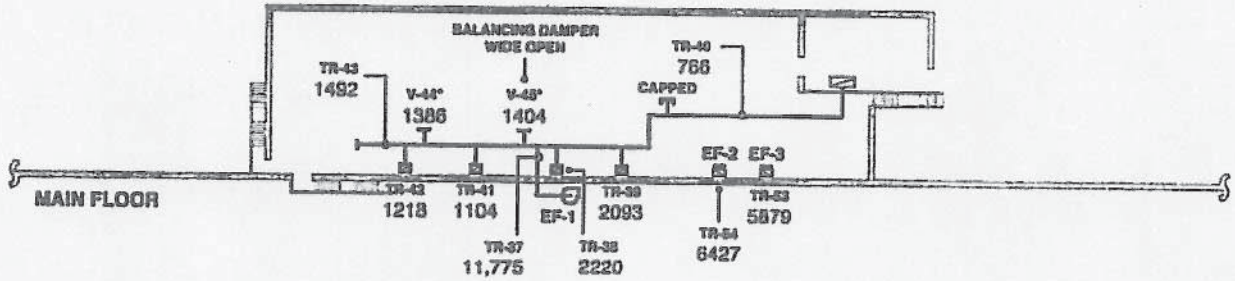
MEZZANINE ABOVE SECTION #18



MAIN FLOOR

AIR MOVEMENT SERVICES LTD.
51-B SPEERS ROAD, WINNIPEG, MANITOBA R2J 1M2





TR-53 17.75 X 16.50 EFF. AREA; 2.03 SQ. FT.
AVERAGE VELOCITY: 2896 FPM
2896 X 2.03 = 5879 CFM

TR-54 17.75 X 16.50 EFF. AREA; 2.03 SQ. FT.
AVERAGE VELOCITY: 3166 FPM
3166 X 2.03 = 6427 CFM

READINGS RECORDED WITH THE SHORTRIDGE INSTRUMENTS INC. MANOMETER AND PITOT TUBE TRAVERSE.

* READINGS RECORDED WITH THE SHORTRIDGE INSTRUMENTS INC. VELGRID.

EXHAUST FAN EF-1
GUERTIN
50 PANET ROAD

50 PANET ROAD

13472

APPENDIX F

POWDER BAGHOUSE SPECIFICATIONS

ACKNOWLEDGEMENT

Wheelabrator Canada Co.

401 Wheelabrator Way
Milton, Ontario L9T 4B7
Tel: 905-875-1662
Fax: 905-875-1675

Eastern Regional Office: 260 St. Charles
Havelock, Quebec J0S 2C0
Tel: 450-826-0663
Fax: 450-826-0005

SOLD TO: Waytech Process Solutions Inc.
180-6660 Graybar Road
Richmond, BC V6W 1H9

SHIP TO: Vent Air Industries
c/o Guentin Bros. Coatings
50 Planet Road
Winnipeg, MB R2J 0R9

ROUTE:

MARKED: Tag: P.O. 064837

CUSTOMER ORDER NO.	DATE OF ORDER	CONTRACT BY
36820BW	May 17, 2002	CB

Wheelabrator hereby proposes to furnish the following described equipment and/or services only under the attached Terms and Conditions for the prices set forth and stated in this document which represents the total scope of our acknowledgement.
One (1) Size 43 Model 36 WCC High Energy Pulse Cleaned Cartridge Dust Collector.

Number of Cartridges 12
Volume per Cartridge (cfm) 525
Face Velocity (fpm) 52.5
Air to Cloth Ratio 1.9:1

OPERATING CONDITIONS:

Volume ..... 6,300 ACFM
Temperature ..... 70°F
Product Collected ..... Powder Paint
Application ..... Material Handling
Dust Loading ..... less than 1 gr/acf
Location ..... Indoors

Above Dust Collector manufactured in accordance with the following General Specifications.

Entered	By	Serial No.
17May02	CB	20-4666

By _____ Checked By _____