



RETAIL EQUIPMENT LTD

Cabinet Type **Multideck Full Height**

Model Designation **IBD**

File Reference 1201

Document Issue 1 03-04-12 LRC First Issue

cabinet **TECHNICAL DATA**

Cabinet Technical Data Sheet – IBD

Product Type	Meat 3M0*** / (Dairy 3M1)
Product Temperature	-1 /+4 °C / (-1 /+5 °C)
Maximum Design Ambient	25°C @ 60%RH

Case Length [m]	3.75	2.50	1.87/(WAE)	1.25	2.18 WAE
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Refrigeration Data

Refrigeration Duty (per 24hrs) [kW] ISO3	5.78	3.85	2.89	1.93	3.65
Refrigeration Duty (per 24hrs) [kW] ISO0	4.62	3.08	2.31	1.54	2.69
Evaporating Temperature [°C]	-6	-6	-6	-6	-6
Nett Environment Cooling Effect [kW]	5.07	3.38	2.59	1.68	2.89
R407A T2 Orifice Size	4	3	2	1	3
R404A T2 Orifice Size	4	3	3	2	3
Evaporator Liquid Capacity @ 25% R404A* [kg]	6.0	3.9	2.9	1.8	3.4
Refrigeration Pipe Tail – Liquid	3/8"	3/8"	3/8"	3/8"	3/8"
Refrigeration Pipe Tail – Suction	7/8"	7/8"	7/8"	7/8"	7/8"

Electrical Data (@ 230V 50Hz)

	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
Fans (EC EBM)	42	0.18	28	0.12	21	0.09	14	0.06	28	0.12
Solenoid Valve / Controller	10	0.04	10	0.04	10	0.04	10	0.04	10	0.04
Lights Inc Under shelf Lights	204	0.89	136	0.59	86	0.37	65	0.28	86	0.37
Maximum Load – Off Cycle Defrost	256	1.11	174	0.75	117	0.50	89	0.38	124	0.53

Miscellaneous Data

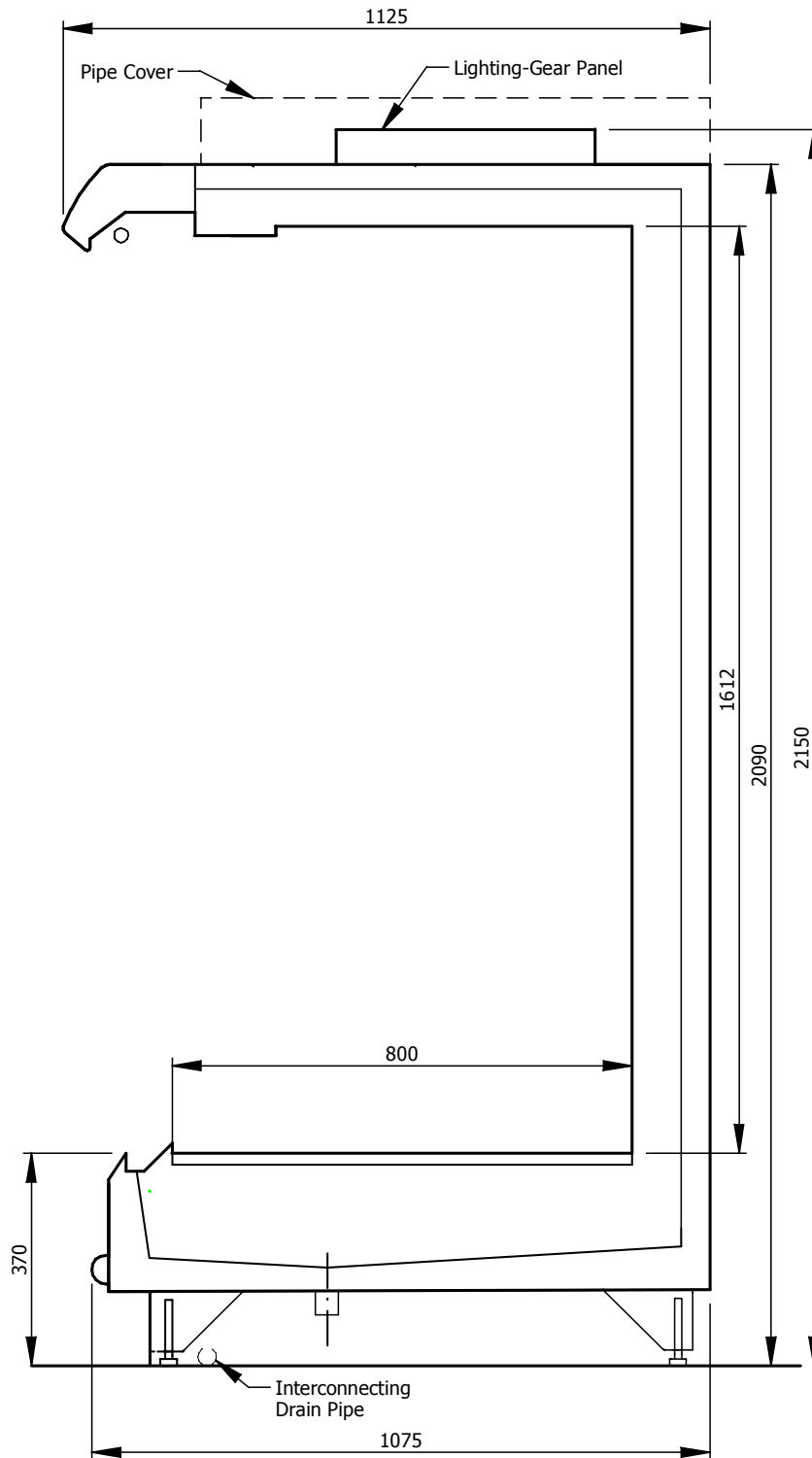
Refrigeration Connections	Top of Cabinet LHS
Electrical Connection	Underside of Cabinet LHS

Set-Up Data** O/C Defrost

	Meat	(Dairy)
Cut in Temperature [°C]	2	3
Differential [K]	1	1
N° Defrosts (per 24hrs)	8	8
Maximum Defrost Time [mins]	45	45
Defrost Termination Temp (air off) [°C]	8	8
Drain Down Time [mins]	1	1
Fans in Defrost	On	On
Cabinet Temperature Ratio (%)	50	50
Superheat [K]	5	5

NOTES! * for R22 multiply by factor X 0.90
 ** Set-up data is for guidance only. Final settings to be determined by commissioning contractor.
 *** M0 proposed En temperature class for fresh meat -1/4°C

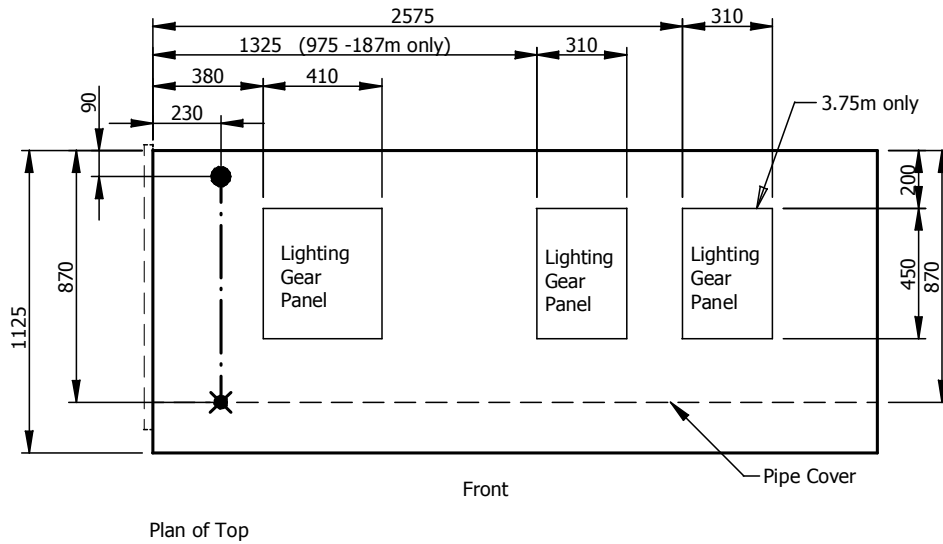
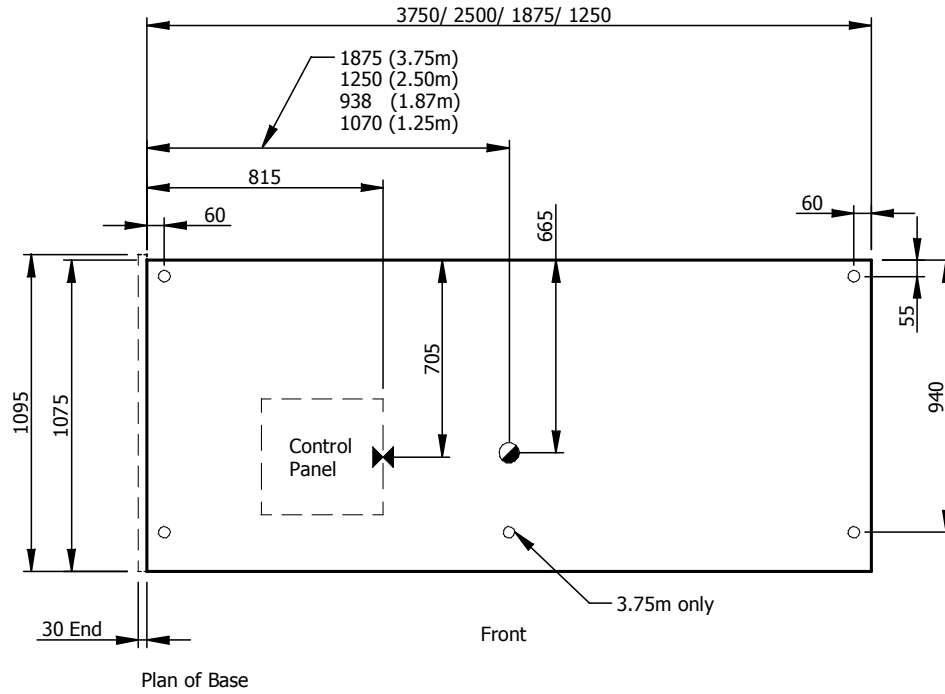
Section Drawing – IBD



Ref:- DS1083-1

Plan Drawing – IBD

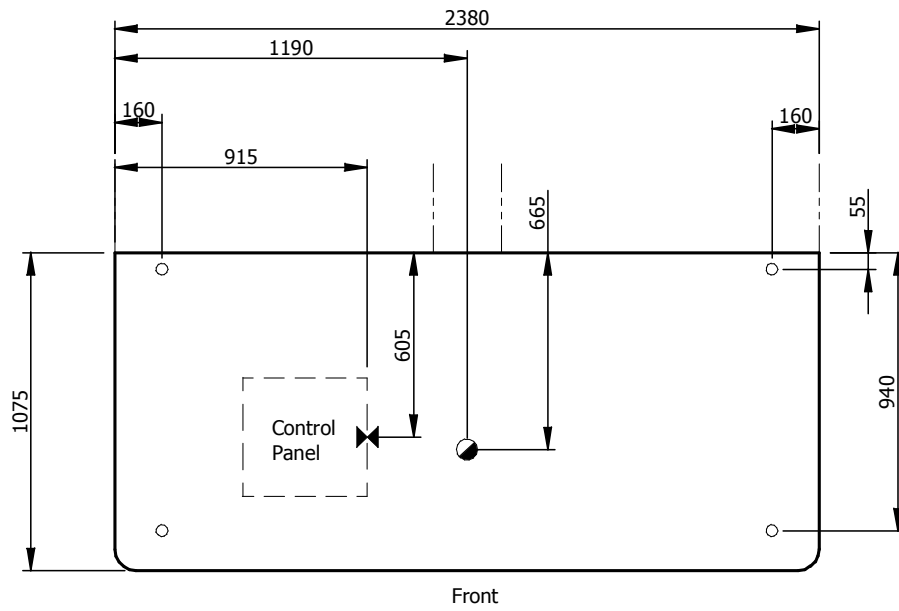
- KEY
- Feet Positions
 - Refrig. Outlets
 - ✕ Refrig Pipe Tails
 - ◐ Drain Outlets
 - ✕ Mains Supply



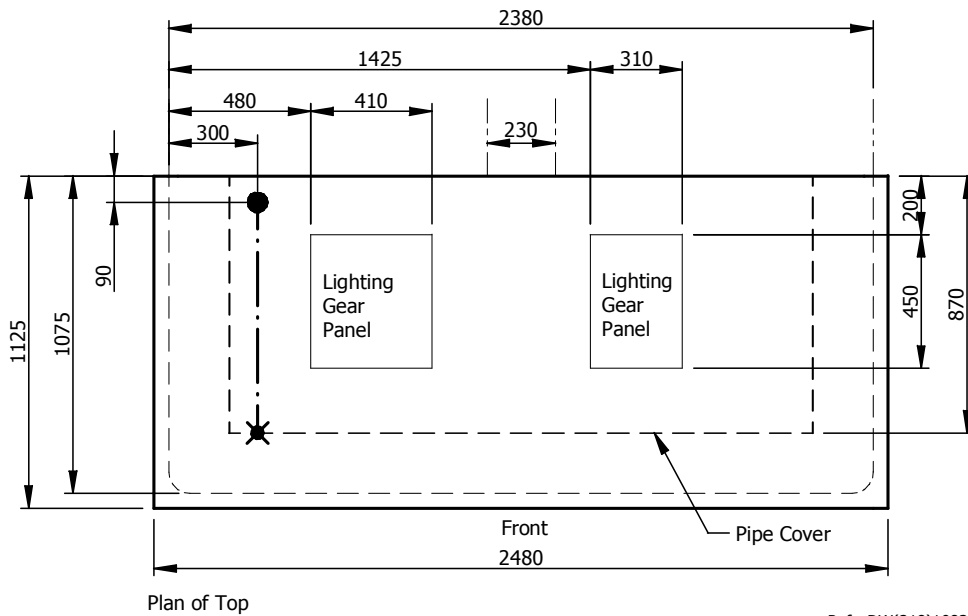
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Plan Drawing – IBD 218 WAE

- KEY
- Feet Positions
 - Refrig. Outlets
 - ✕ Refrig. Pipe Tails
 - Drain Outlets
 - ⊗ Elect. Outlets
 - ⊗ Mains Supply



Plan of Base

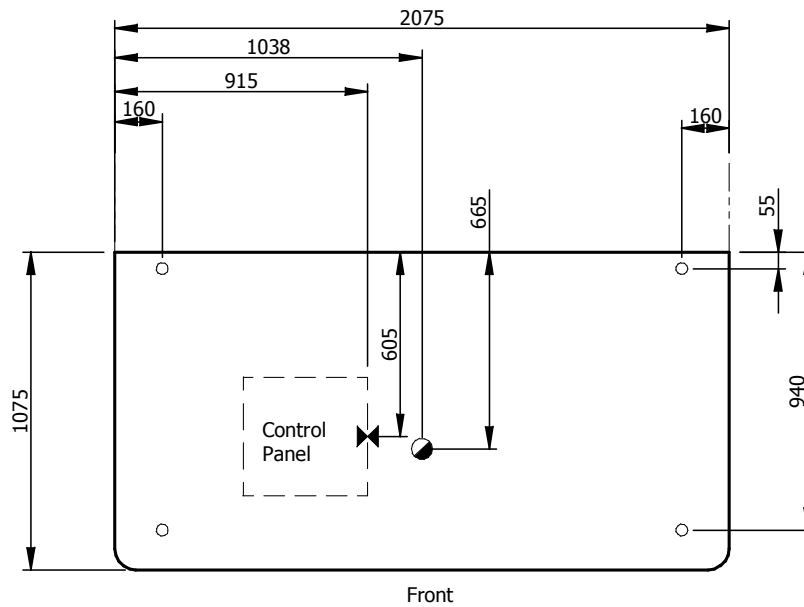


Plan of Top

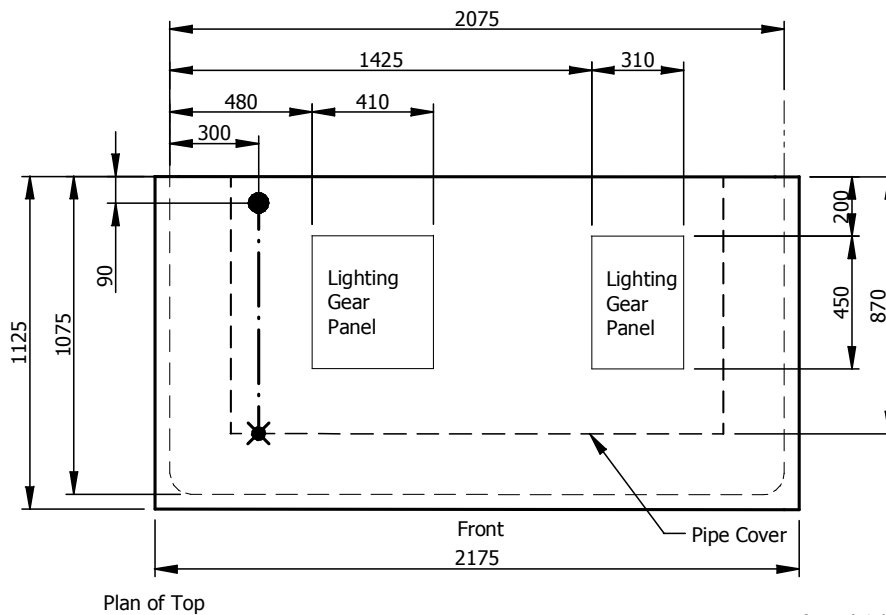
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Plan Drawing – IBD 187 WAE

- KEY
- Feet Positions
 - Refrig. Outlets
 - ✕ Refrig. Pipe Tails
 - ⊙ Drain Outlets
 - ⊗ Elect. Outlets
 - ⊕ Mains Supply



Plan of Base



Plan of Top

Ref:- DW(187)1083-1