

PROPOSAL

Quantity: 4 each
6 Truck Smokehouse - 1 Wide x 6 Deep



MARLEN

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**MARLEN****Smokehouse - 1 x 6**

No.	Item	Specifications per Smokehouse
1	Cabinet Quantity	4
2	Main Cabinet Design	Stand Alone
3	Exterior Wall Configured for Future Cabinet	No
4	Cabinet Shipping Configuration	Panels
5	Facility - Ceiling Height (ft / m) - Clear Access	18.00
6	Facility - Minimum Door Opening Size - Height (ft / m)	8.00
7	Facility - Minimum Door Opening Size - Width (ft / m)	8.00
8	Cabinet Outside Width (ft / m)	6.25
9	Cabinet Outside Length (ft / m)	24.58
10	Cabinet Outside Height (ft / m) Above Finished Floor - Approximate	10.17
11	Overhead Rail Height (ft / m) Confirm Rail Hanger LH-RH Loading door	None
12	Overhead Rail & Hangers - Material	NA
13	Carrier Capacity	6
14	Number Carriers Wide	1
15	Number Carriers Deep	6
16	Product & Orientation	Jerky
17	Carrier Size - Maximum W/ Product - WIDTH (inch / mm)	45.00
18	Carrier Size - Maximum W/ Product - LENGTH (inch / mm)	45.00
19	Carrier Size - Maximum W/ Product - HEIGHT (inch / mm)	77.00
20	Design Product Green Loading per Carrier (lbs / kg)	400
21	Carrier Empty Weight (lbs / kg) - Estimated	150
22	Cooking Time (Hrs)	5.00
23	Cooking - Initial Product Temperature - Degrees F / C	35
24	Cooking - Final Product Temperature - Degrees F / C	175
25	Cooking - Total Raw Product Loading (lbs / kg)	2,400
26	Carrier Loading into Oven	Manual - No Forklifts
27	Product Flow	Non Pass Through
28	Burner Type Low Emission (LE)	Maxon Burner Oven Pak LE Model OPLE5
29	Burner Quantity Per Cabinet	1
30	Gas Pipe Train Size	None
31	Gas Type	Natural Gas
32	DESIGN Steam Pressure (psig)	75
33	Steam Coil Indirect Heat with Pneumatic Control Valve	None
34	Live Steam Cooking Chamber Piping w/ Pneumatic Control Valve	None
35	Product Carrier Guide Rails	Included
36	Maximum Oven Temperature - Deg F	200
37	Steam Injection for Humidity w/ Control Valve	Included
38	Water Atomization Humidity System	NA
39	Refrigeration Coil with Suction Control Valve	None
40	Wall to Carrier Clearance (inch / mm)	12
41	Carrier End to End Clearance (inch / mm)	3
42	Distance Between Rows (inch / mm)	NA
43	Wall Skin Material - Exterior (inch / mm)	16 ga 2B 304 SS



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44	Wall Skin Material - Interior (inch / mm)	16 ga 2B 304 SS
45	Wall Panel Thickness (inch / mm)	3
46	Wall Panel Internal Structure	1.5x3x14 ga 304 SS Tube
47	Wall Construction Method	Laminated (using SS Skins) Full-Size Wall Section Where Skins are Welded to Underlying Structural Tube
48	Inside Ceiling Skin Material	16 ga 2B 304 SS
49	Roof Skin Material	12 ga 304 SS 2B Smooth Sheeting
50	Roof Thickness (in) - Minimum	3
51	Roof Thickness (in) - Maximum	6
52	Roof Internal Structure	100% 304 SS
53	Roof Slope	Peak At Center - Slope to Both Sides
54	Roof Drainage - No Slope End-to-End	Via 304 SS Downspout to Raw Side
55	Insulation Type	Trymer - 300 deg F Closed Cell Urethane
56	Insulation R-Value (3" Thickness)	18
57	Floor Drainage / Slope	To Drain(s)
58	Floor Drain Qty - Installed by Customer During Foundation Placement	2
59	Floor Drain Type	304 SS - Straight Discharge
60	Floor Plate Material	3/16 inch 304 SS Diamond Plate
61	Floor Type	Insulated & Shipped Complete - No External SS Skin
62	Floor Entrance & Exit Ramp (Exit if Pass Through Only)	3/16" Diamond Tread Plate 304 SS - Included
63	Internal Supply Air Ductwork	304 SS Hinged w/ Positioning Stops
64	Internal Return Air Plenum Blocking Plates	304 SS Crowned w/ Positioning Stops
65	Factory Air Balanced	Yes
66	Permanent Air Balance	Yes
67	Fan Cabinet w/ Inspection Removable Panels @ Each Alt. Damper	304 SS - Located on Roof
68	Air Changes per Minute (ACM) w/ Empty Oven	24.0
69	System Voltage	480
70	Main Motor Horsepower	40
71	Main Motor & Fan Quantity	1
72	Main Fan Speed(s)	Variable
73	Main Fan Size	27
74	Main Fan AMCA Design Class	4
75	Main Fan Wetted Component Material	304 SS Minimum
76	Alternating Damper Motion with Breakpoint on Demand	Continuous Rotation
77	Alternating Damper Stability System	Included - Patent Pending
78	Break Point Motion Velocity	Constant
79	Prewired Fan Cabinet	Included
80	Separate Powered Exhaust	Included
81	Exhaust Fan - Single Speed	304 SS Wetted Components
82	Exhaust Fan Quantity	1



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83	Exhaust Ductwork w/ Rain Cap - One (1) Per Exhaust Fan	18 ga 304 SS - Extends 10.0 ft Above Plant Roof - Customer Provides Roof Penetration, Flashing, Resealing & Guy-Wires- Assumes Straight Duct (no offsets)
84	Exhaust Ductwork Offset	Included
85	Powered Exhaust & Fresh Air Damper Actuator Type	Pneumatic - Proportional
86	Fresh Air Source - Main Cabinet - One (1) per Main Fan	18 ga 304 SS Exterior Plant Air with Filter Housing & Non-HEPA Pre-Filters
87	Fresh Air Ductwork Offset	Included
88	Fresh Air Source - Gas Burner - One (1) per Burner	Interior Plant Air
89	Water Shower Piping	Not Included
90	Water Shower Solenoid Valve - HOT	None
91	Water Shower Solenoid Valve - COLD	None
92	CIP Manifold - Type & Location	Manual Valve System Located on Side of Oven
93	CIP Tubing Type to Individual Zones (Oven External Piping from Manifold)	By Customer
94	CIP System Type	Non-Recirculated
95	CIP Pump, SS Barrel & Connection Hose - One Assembly per Oven	Optional
96	Door Gasket Operation Switches	Recessed in Door for Protection
97	Door Handle - RH Door Only	Recessed in Door for Protection, Sloped Bottom for Drainage
98	Door Material - Exterior	14 ga #4 304 SS
99	Door Material - Interior	14 ga 2b 304 SS
100	Door Hinge Mounting Bolts	5/16-18 304 SS Hex Head
101	Door Hinge Material	Cast, 304 SS Stainless Steel w/ 1/4" Sanitary Stand-off Bosses
102	Door Gasket	Pneumatic - Match Existing Length if Possible
103	Door Gasket Material	Silicone
104	Reinforced Door Gasket	No
105	Door Type	Single Leaf - 1 Door Per End Panel
106	Door Window - Tempered Glass	One (1) per Door Set - RH Door
107	Door Latch	None
108	Travelling Upper Radius Block - Rubber	NA
109	Mullion Between Doors	No
110	Liquid Smoke Connection(s) - 1/2" NPT	Included
111	Liquid Smoke System	NA
112	Natural Smoke Connection at Fan Cabinet	Included
113	Natural Smoke Generator	NA
114	Natural Smoke Ductwork with CIP Piping - Materials	NA
115	Natural Smoke Ductwork - Installation	By Customer
116	Natural Smoke Ductwork - Fire Suppression System - Steam	NA
117	Natural Smoke Injection Fan & Ductwork	NA
118	Compressed Air Treatment Equipment - SMC	Included
119	Process Control with RTD's	Powis 6000 with Pneumatic Package - Slope Top
120	Digital Data Logging System	Already Owned By Customer



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No.	Item	Specifications per Smokehouse
121	1-year Support Contract For Powis Controls Using VPN Connection	Optional
122	Data Logging, Networked Computer	Supplied by Customer
123	HACCP Interlock System for Doors	Optional
124	Man-Machine Interface Cabinet	One (1) Per Oven - 304 SS NEMA 4
125	Man-Machine Interface Cabinet UL Listed	Optional
126	Internal Meat Probe Quantity - Per Unit	4
127	SPARE Internal Meat Probe Quantity - Per Unit	0
128	Prewired Internal RTD's	Included
129	Psychrometer Pan (Dry Bulb / Wet Bulb) Access	Cabinet Roof Only
130	Psychrometer Pan Qty Per Cabinet	1
131	Psychrometer Pan Water Meter Location	Recessed in Door Jamb For Protection
132	Motor Control Center Supplied (Starter, Circuit Breaker, Disconnect)	304 SS NEMA 4 Slope Top Enclosure
133	Motor Control Center UL Listed	Optional
134	Burner Start-up Sequence Panel (analog) On MCC	Included on Gas Fired Ovens Only
135	Digital Burner Start-up Sequence Panel On Control Screen	Optional
136	Freight Charges - Ex Works point of Manufacture	Riverside, MO
137	Handrailing w/ Toe-Kick - 304 SS	NA
138	Access Ladder Without Cage - 304 SS	NA
139	Fan Cabinet Walk Around - 304 SS with Fibergrate Walk Surface	NA
140	Channel (304 SS) to Support 4" Insulated Metal Panel - Load End Cabinet Roof Only	NA
141	Channel (304 SS) to Support 4" Insulated Metal Panel - UNLoad End Cabinet Roof Only	NA
142	Approval Drawing Delivery	Four (4) to eight (8) weeks after receipt of down-payment
143	Delivery after Signed Approval Drawing & Down-Payment	28 to 32 weeks after receipt of signed approval. Subject to confirmation at time order is received. Manufacturing capacity is subject to prior sale.
144	Work Shifts Per Day	1
145	Installation Work (Shift) Schedule	12 hrs / day, 6 days / week, Any work on Sundays and Holidays will incur additional charges per standard service rates.
146	Total Number of Installation Trips	1
147	Separate Installation Supervisor Trip for Screed Angle Installation	NA
148	Plant Access & Continuous Work During Installation	If Marlen crew arrives on-site and is unable to work constantly per the above schedule due to other Customer's contractors and/or scheduling problems based on factors beyond Marlen's control, the Customer is responsible for all Marlen crew "downtime" at Marlen's standard service rates plus all applicable expenses such as meals, hotels, etc.
149	Total Number Start-up Trips by Marlen	1
150	On-Site Start-up by Marlen - Days per Unit - Includes Classroom Training and Testing	2.00