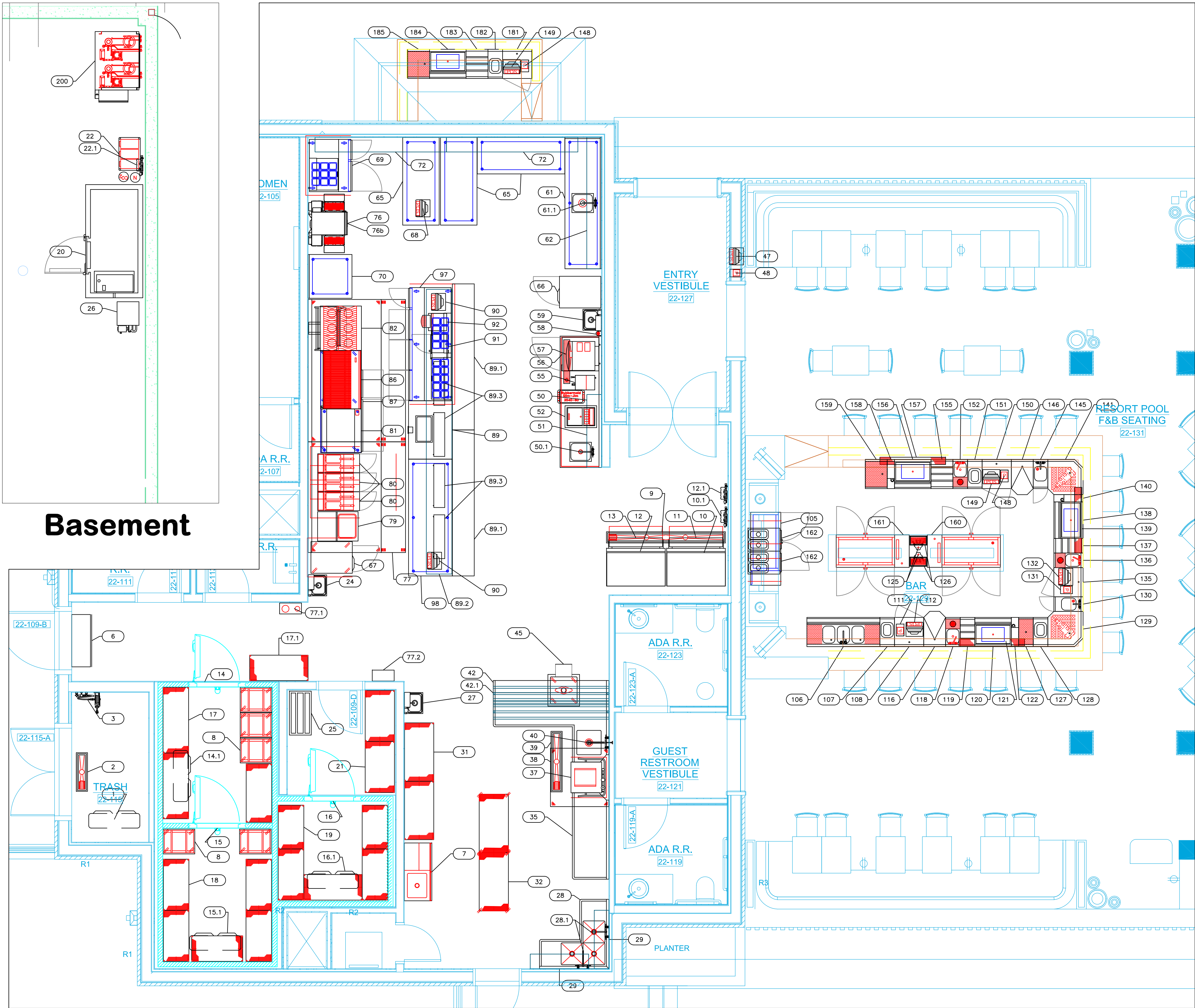


Item No	Category	EQUIPMENT SCHEDULE	Model	Quantity	Equipment Remarks
1	Evaporator	Cooltec	EVAP	1	
2	Floor Trough	IMC Tredly	FWR-30-PFG	1	
3	House Roof	T&S Brass	S-1435BFT12-C12	1	
4	Spare Number				
5	Spare Number				
6	Air Door	Quiron	E4BD-42-1	1	
7	Mop Sink Cabinet	Advance Tabco	8-OPC-B4DL	1	
8	Bun / Sheet Pan Rack	Channel	40A	5	
9	Floor Trough	IMC Tredly	PWR-36-PFG	1	
10	Ice Cuber	Hoshizaki	KM-1601SWJ3	1	
10.1	Water Filtration System, for Ice Machines	Everpure	EV3200-48	1	
11	Ice Bin for Ice Machines	Perlick	US100P	1	
12	Ice Cuber	Hoshizaki	KM-1601SWJ3	1	Future
12.1	Water Filtration System, for Ice Machines	Everpure	EV3200-48	1	Future
13	Ice Bin for Ice Machines	Perlick	US100P	1	Future
14	Walk-In Cooler	Arctic Industries	WALK-IN	1	Future
14.1	Evaporator	Cooltec	EVAP	1	
15	Walk-In Freezer	Arctic Industries	WALK-IN	1	
15.1	Evaporator	Cooltec	EVAP	1	
16	Walk-In Cooler	Arctic Industries	WALK-IN	1	
16.1	Evaporator	Cooltec	EVAP	1	
17	Wire Shelving Unit	NEXEL	2148N5	2	
17.1	Wire Shelving Unit	NEXEL	2148N5	1	
18	Wire Shelving Unit	NEXEL	2148N5	5	
19	Wire Shelving Unit	NEXEL	2148N5	1	
20	Walk-In Cooler, Modular, Self-Contained	Perlick	US100P	1	
21	Wire Shelving Unit	NEXEL	2148N5	2	
22	Bag in Box Rack Accessories	Cornelius	2BFI	1	By Vendor
22.1	Water Filtration System, for Fountain Beverage Dispensers	Everpure	EV927502	1	
23	Spare Number				
24	Hand Sink	Advance Tabco	7-PS-80	1	
25	Dumage Rack	Alexander Industries	HDN-1836	1	
26	Draft Beer System Power Pack	Micro Malt	MMPP4301-4PK(G-WC)	1	
27	Hand Sink	Advance Tabco	7-PS-80	1	
28	Corner Sink, (3) Three Compartment	Advance Tabco	FC-K6-18D	1	
28.1	Wall Splash Mount Faucet	Krowne	14-612L	2	
29	Overhead	Advance Tabco	PS-12-48	2	
31	Wire Shelving Unit	NEXEL	2148N5	2	
32	Cart, Stem Caster	NEXEL	C2448NN	2	
34	Spare Number				
35	Clean Dishable	Advance Tabco	DT-C-S30-72R	1	
36	Spare Number				
37	Dishwasher, Door Type	Jackson WWS	TEMPSTAR	1	
38	Condensate Hood	Caprive-Aire	CONDENSATE HOOD	1	
39	Floor Trough	IMC Tredly	PWR-36-PFG	1	
40	Pre-Rinse Faucet Assembly	Krowne	17-108VAL	1	
42	Dishable, Soiled "L" Shaped	Advance Tabco	DT-S-D30-96L	1	
42.1	Dishable Sorting Shelf	Advance Tabco	DTA-79	8	
43	Spare Number				
44	Spare Number				
45	Soak Sink	Advance Tabco	8-PSG-20	1	
47	POS	POS	POS	1	By Owner/Operator
48	Printer	POS	PRINTER	1	By Owner/Operator
49	Spare Number				
50	Beverage Counter	Enjrac	BEV-34-108R	1	
50.1	Deck Mount Faucet	Krowne	15-410L	1	
51	Shelving, Wall Mounted	Advance Tabco	WS-12-60	1	
52	Soda Ice & Beverage Dispenser, In-Counter	Multiple	2700595	1	By Vendor
53	Spare Number				
54	Spare Number				
55	Coffee Brewer	PETCO	CBS-51H-15	1	By Owner/Operator
56	Refrigerated Work Top	Continental Refrigerator	SW27N-FB	1	
57	Espresso Cappuccino Machine	Concordia	XPRESSSTOUCH 0	1	By Owner/Operator
58	Water Filtration System, for Espresso & Tea Machines	Everpure	EV927502	1	
60	Spare Number				
61	Work Table, Stainless Steel Top	Enjrac	KMS-309	1	
61.1	Deck Mount Faucet	Krowne	15-410L	1	
62	Shelving, Wall Mounted	Advance Tabco	WS-12-108	1	
64	Spare Number				
65	Work Table, Stainless Steel Top	Advance Tabco	MS-306	3	
66	Reach-In Refrigerator	Continental Refrigerator	IRN	1	
67	Reach-In Freezer	Continental Refrigerator	IRF	1	
68	POS	POS	POS	1	By Owner/Operator
69	Heavy Top Sandwich / Salad Preparation Refrigerator	Continental Refrigerator	CR403-6MD	1	
70	Work Table, Stainless Steel Top	Advance Tabco	KMS-363	1	
72	Shelving, Wall Mounted	Advance Tabco	WS-12-108	2	
73	Spare Number				
74	Spare Number				
76	Conveyor Oven, Electric	TurboChef	HHC1618 VNTLS-36	1	
77	Main Hood	Caprive-Aire	HHC1618 VNTLS-36	1	Future
77.1	Ansul Fire System	Caprive-Aire	FIRE	1	
77.2	Hood Controls	Caprive-Aire	CONTROL	1	
77.3	Stainless Wall Panels	Caprive-Aire	S/S WALL	1	
79	Bread and Butter Station	BKI	BT-24	1	
80	Gas Floor Fryer	Philo	SG14-3	3	
81	Gas Countertop Griddle	POF	POF1013650-T1	1	
82	Range, 36" 6 Open Burners	4362A	4362A	1	
84	Spare Number				
85	Spare Number				
86	Charbroiler, Gas, Countertop	Southbend	HCC-48	1	
87	Equipment Stand, Refrigerated Base	Continental Refrigerator	DISIGN	1	
89	Work Table, Cabinet Base Hinged Doors	Advance Tabco	HB-SS-364	1	
89.1	Hot Food Wall Unit, Drop-In, Electric	Advance Tabco	DSW-1240	1	
89.2	Hot Food Wall Unit, Drop-In, Electric	Advance Tabco	DSW-1240	2	
89.3	Triple Overhead	Enjrac	OVERSHLFL	1	
89.4	Heat Lamp	Enjrac	GRHAL-36	4	
90	POS	POS	POS	2	By Owner/Operator
91	Microwave Oven	Panasonic	NE-1004F	1	By Owner/Operator
92	Conveyor Toaster	Star	QCS1-500B	1	
93	Spare Number				
94	Spare Number				
97	Sandwich / Salad Preparation Refrigerator	Continental Refrigerator	CR403-18-D	1	
98	Work Table, Stainless Steel Top	Advance Tabco	MS-306	1	
99-104	Spare Number				
105	Back Bar Cabinet, Refrigerated	Perlick	BS860	1	
106	Underbar Sink Units	Krowne	KR18-3C	1	
107	Underbar Add-On Unit	Krowne	KR18-T12	1	
108	Work Center	Krowne	KR18-PC24	1	
111	Printer	POS	PRINTER	1	By Owner/Operator
112	POS	POS	POS	1	By Owner/Operator
113-115	Spare Number				
116	Blender Station	Krowne	KR18-18FD	1	
117	Spare Number				
118	Underbar Sink Units	Krowne	KR18-M512	1	
119	Bottle Display	Krowne	KR18-18RD	1	
120	Ice Bin	Krowne	KR18-30DP-10	1	
121	Drink Rail	Enjrac	RAIL	1	
122	Soda System, Parts & Fittings	Krowne	KR18-ESHD	1	
123	Spare Number				
124	Spare Number				
125	Draft Beer Dispensing Tower	Perlick	4043-4B	2	
126	Drip Trough	Perlick	C21379A	2	
127	Drainboard	Krowne	KR18-GS12	1	
128	Underbar Add-On Unit	Krowne	KR18-T12	1	
129	Corner Angle Filler	Krowne	KR18-RC	1	
130	Hand Sink	Krowne	KR18-SD12C	1	
131	Printer	POS	PRINTER	1	By Owner/Operator
132	POS	POS	POS	1	By Owner/Operator
133	Spare Number				
134	Spare Number				
135	Work Center	Krowne	KR18-PC24	1	
136	Underbar Sink Units	Krowne	KR18-M512	1	
137	Bottle Display	Krowne	KR18-18RD	1	
138	Ice Bin	Krowne	KR18-30DP-10	1	
139	Drink Rail	Enjrac	RAIL	1	
140	Soda System, Parts & Fittings	Krowne	KR18-ESHD	1	
141	Corner Angle Filler	Krowne	KR18-RC	1	
142-144	Spare Number				
145	Hand Sink	Krowne	KR18-SD12C	1	
146	Blender Station	Krowne	KR18-18FD	1	
147	Spare Number				
148	Printer	POS	PRINTER	2	By Owner/Operator
149	POS	POS	POS	1	By Owner/Operator
150	Work Center	Krowne	KR18-PC24	1	
151	Underbar Add-On Unit	Krowne	KR18-T12	1	
152	Underbar Sink Units	Krowne	KR18-M512	1	
153	Spare Number				
154	Spare Number				
155	Bottle Display	Krowne	KR18-18RD	1	
156	Ice Bin	Krowne	KR18-30DP-10	1	
157	Drink Rail	Enjrac	RAIL	1	
158	Soda System, Parts & Fittings	Krowne	KR18-ESHD	1	
159	Drainboard	Krowne	KR18-GS18	1	
160	Back Bar Cabinet, Refrigerated, Pass-Thru	Perlick	PT860	1	
161	Back Bar Cabinet, Refrigerated, Pass-Thru	Perlick	PT860	1	
162	Frozen Drink Machine, Non-Carbonated, Cylinder Type	Taylor Company	432	2	By Owner/Operator
181	Work Center	Krowne	KR18-PC24	1	
182	Underbar Add-On Unit	Krowne	KR18-T12	1	
183	Bottle Display	Krowne	KR18-18RD	1	
184	Ice Bin	Krowne	KR18-30DP-10	1	
185	Drainboard	Krowne	KR18-GS18	1	
199	Corner Guard	Advance Tabco	CG-48	5	
200	Refrigeration System, Remote Rack	Cooltec	RACK	1	



EQUIPMENT LAYOUT

All Dimensions to be verified on the job site.
Actual locations for floor drains, and any ventilating equipment to be determined by Engineer.
Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer.
Remote Condensing Units to be located by Architect.
Exhaust & Supply fans to be located by Architect.

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



uni-source
SUPPLY

INTERNATIONAL INC.

2055 W 73rd Street, Miami, FL 33016

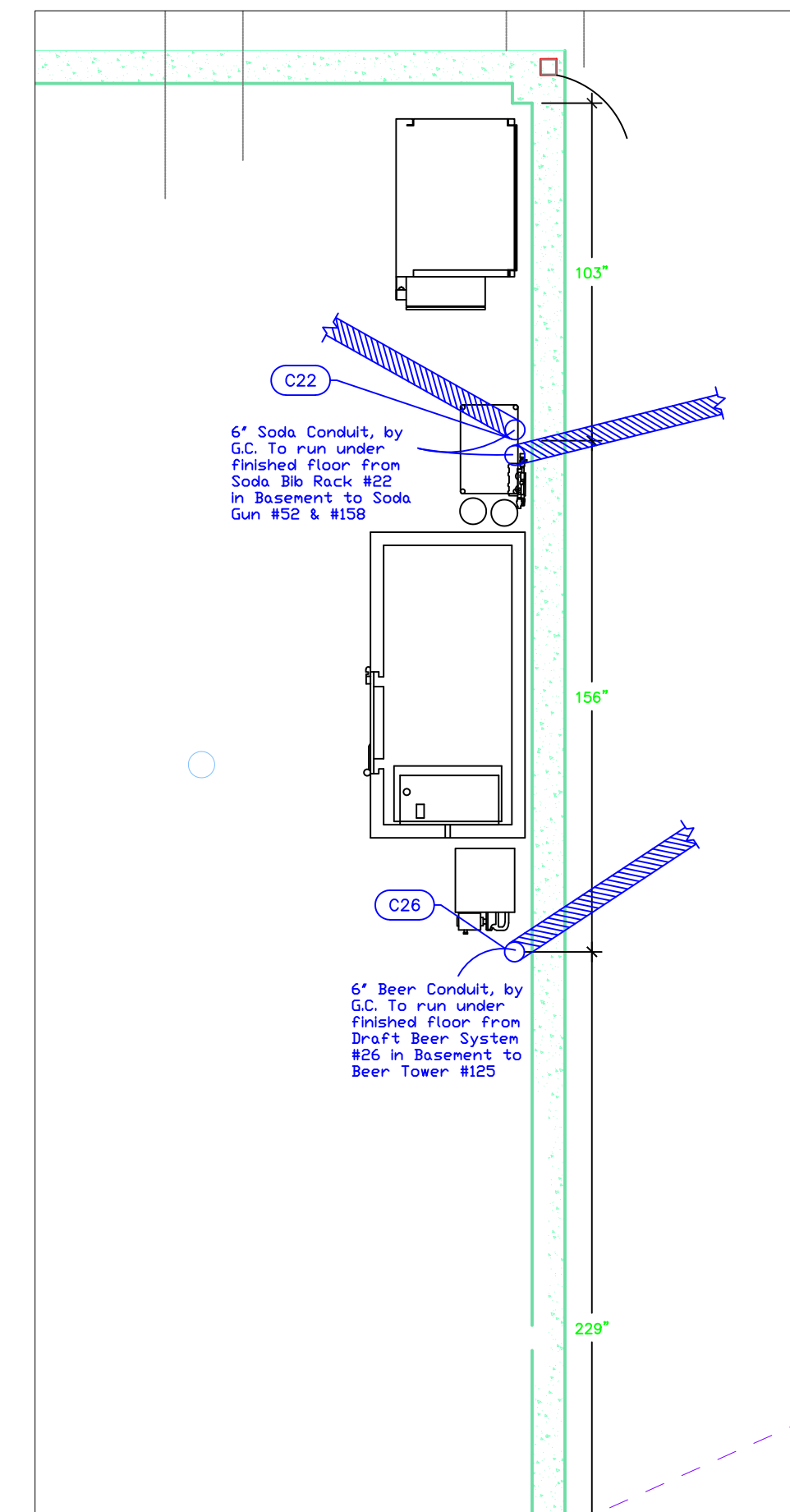
Ph: (305)826-8696 Fax: (305)826-9131

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background from Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

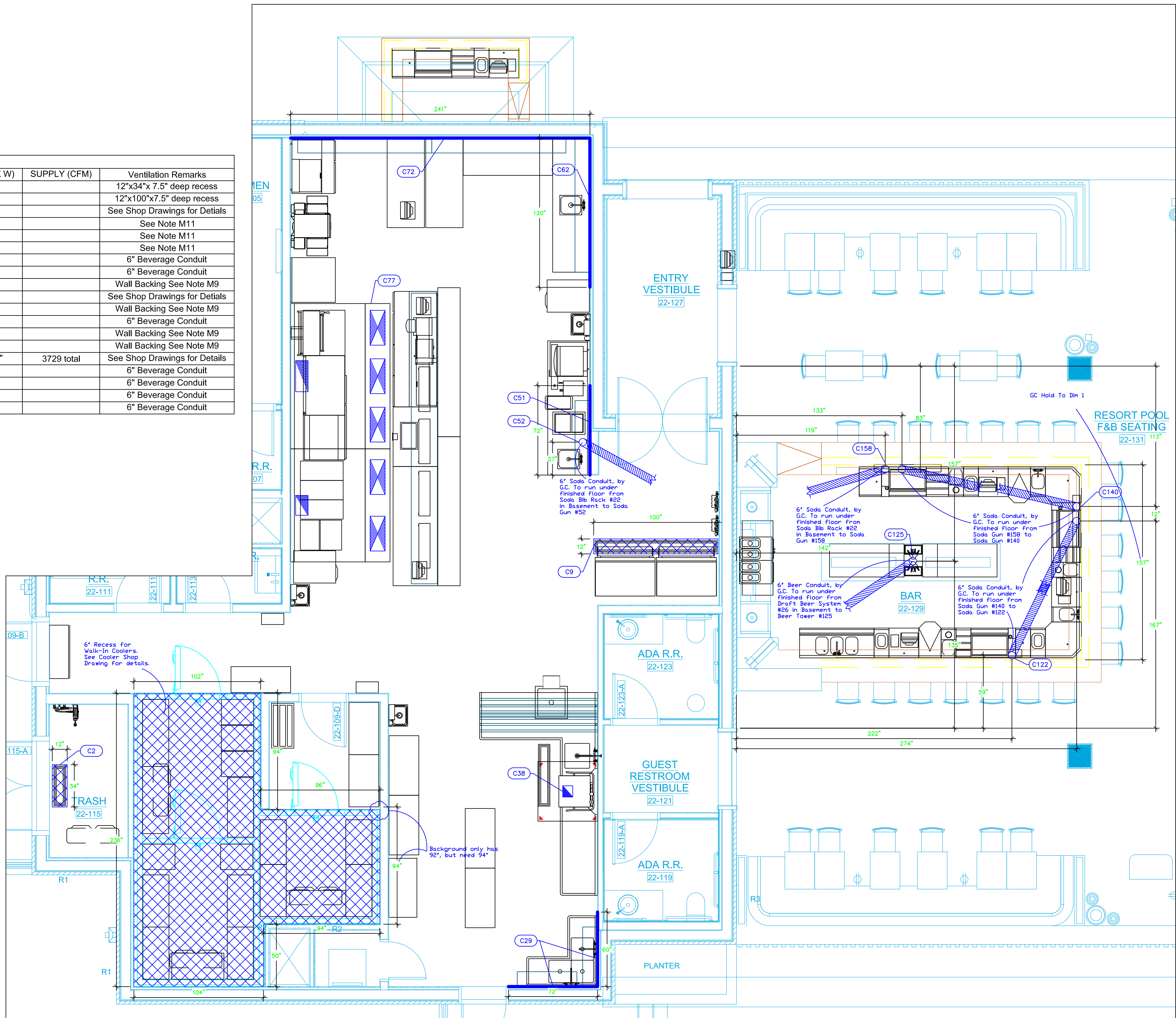
Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
1/4" = 1'0"

Sheet
FS-1

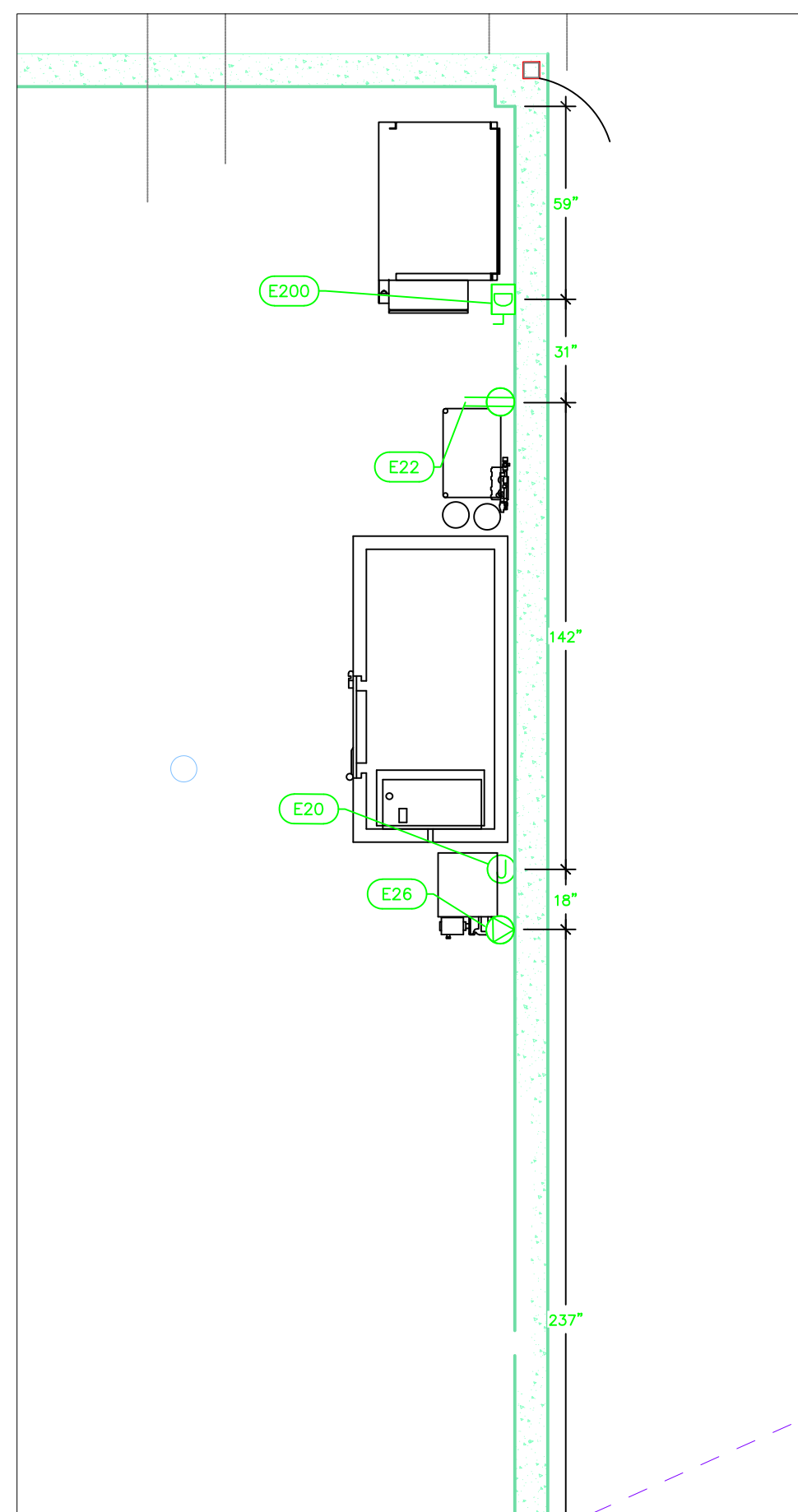
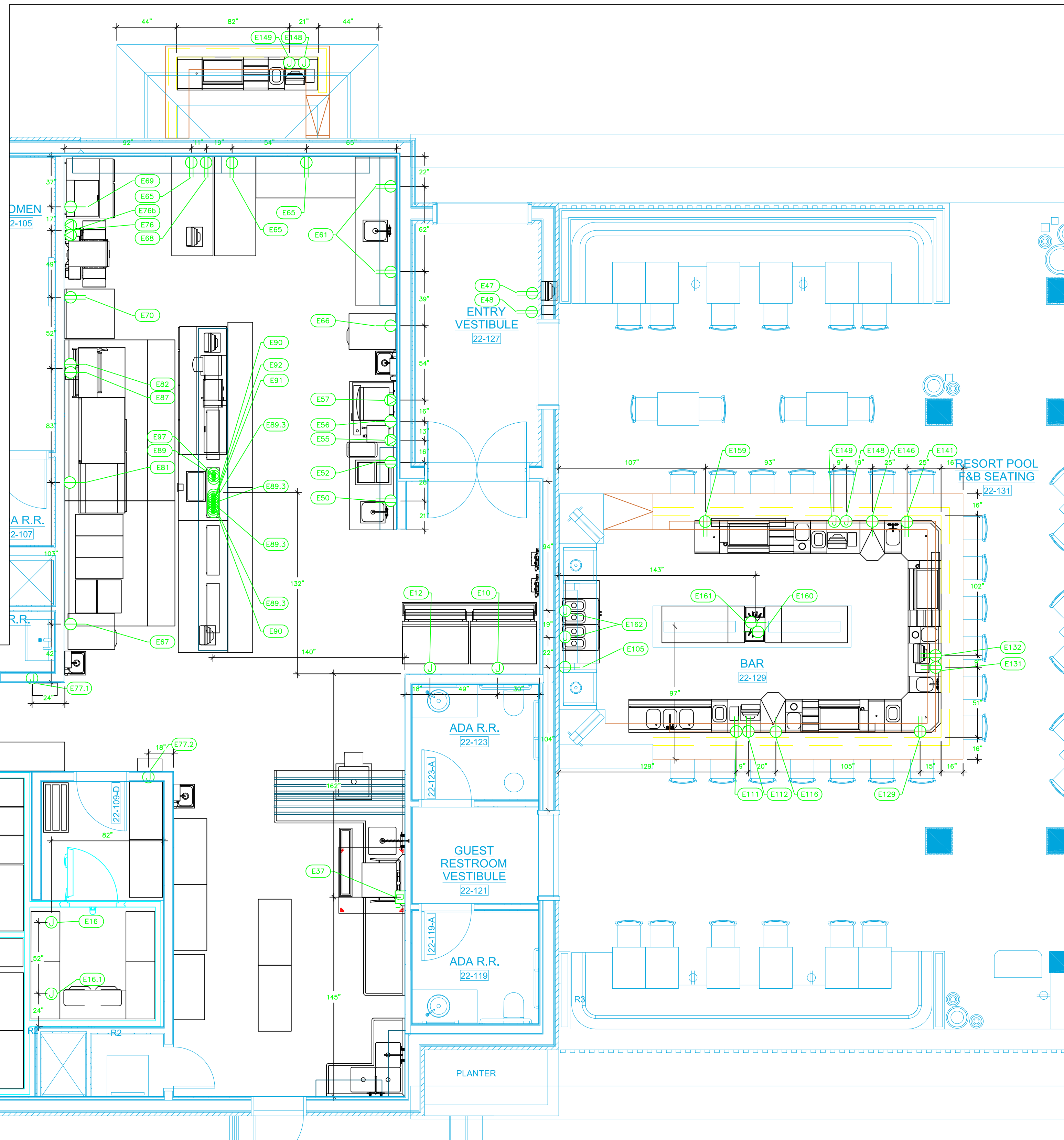
Mechanical Schedule						
ITEM NO.	QTY	DISCRIPTION	EXHAUST (L X W)	EXHAUST (CFM)	SUPPLY (L X W)	SUPPLY (CFM)
2	1	Floor Trough				12"x34"x 7.5" deep recess
9	1	Floor Trough				12"x100"x7.5" deep recess
14	1	Walk-In Cooler				See Shop Drawings for Details
14.1	1	Evaporator				See Note M11
15.1	1	Evaporator				See Note M11
16.1	1	Evaporator				See Note M11
22	1	Bag in Box Rack Accessories				6" Beverage Conduit
26	1	Draft Beer System Power Pack				6" Beverage Conduit
29	2	Overshelf				Wall Backing See Note M9
38	1	Condensate Hood	8"x9"	600		See Shop Drawings for Details
51	1	Shelving, Wall Mounted				Wall Backing See Note M9
52	1	Soda Ice & Beverage Dispenser, In-Counter				6" Beverage Conduit
62	1	Shelving, Wall Mounted				Wall Backing See Note M9
72	2	Shelving, Wall Mounted				Wall Backing See Note M9
77	1	Main Hood	10"x16" , 10"x25"	1706 , 2681	(5) 12"x28"	3729 total
122	1	Soda System, Parts & Fittings				6" Beverage Conduit
125	2	Draft Beer Dispensing Tower				6" Beverage Conduit
140	1	Soda System, Parts & Fittings				6" Beverage Conduit
158	1	Soda System, Parts & Fittings				6" Beverage Conduit



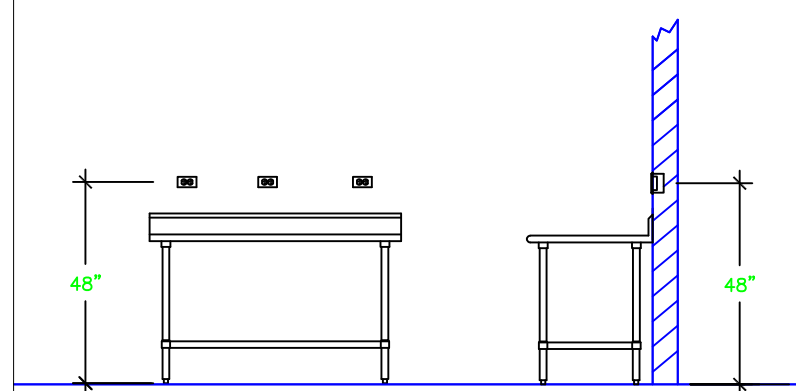
Basement



ELECTRICAL SCHEDULE										
ItemNo	Category	Voltage	Cycle	Phase	Amps	Hp	NEMA	Connection Type	Rough-In AFF	Quantity
6	Evaporator	115	60	1	0.9	3/4		J-Box	108"	3
10	Air Door	115	60	1	9.0			J-Box	108"	1
12	Ice Cuber	208-230	60	3	8.8			J-Box	92"	1
14	Ice Cuber	208-230	60	3	8.8			J-Box	92"	1
14	Walk-In Cooler	115	60	1	5.0			J-Box	108"	1
14.1	Evaporator	115	60	1	1.8			J-Box	108"	1
15	Walk-In Freezer	115	60	1	5.0			J-Box	108"	1
15.1	Evaporator	208	60	1	7.8			J-Box	108"	1
16	Walk-In Cooler	115	60	1	5.0			J-Box	108"	1
16.1	Evaporator	115	60	1	1.8			J-Box	108"	1
20	Walk-In Cooler, Modular, Self-Contained	115	60	1	11.3	1/2		J-Box	72"	1
22	Bag In Box Rack Accessories	115	60	1	20			Duplex	18"	1
26	Draft Beer System Power Pack	115	60	1	17.2	1/3	L5-30P	Special	72"	1
37	Dishwasher, Door Type	208	60	3	46.3	1		Disconnect	18"	1
47	POS	120	60	1	20			Duplex	24"	1
48	Printer	120	60	1	20			Duplex	24"	1
50	Beverage Counter	120	60	1	15			Duplex	54"	1
52	Soda Ice & Beverage Dispenser, In-Counter	120	60	1	2.4			Duplex	12"	1
55	Coffee Brewer	120	60	1	15.8		5-20P	Special	54"	1
56	Refrigerated Work Top	115	60	1	6.3	1/5	5-15P	Simplex	18"	1
57	Espresso Cappuccino Machine	208-240	50/60	1	24		L14-30P	Special	54"	1
61	Work Table, Stainless Steel Top	120	60	1	15			Duplex	54"	1
65	Work Table, Stainless Steel Top	120	60	1	15			Duplex	54"	3
66	Reach-In Refrigerator	115	60	1	5.5	1/4	5-15P	Simplex	86"	1
67	Reach-In Freezer	115	60	1	6.3	1/3	5-15P	Simplex	86"	1
68	POS	120	60	1	20			Duplex	24"	1
69	Mega Top Sandwich / Salad Preparation Refrigerator	120	60	1	5.3	1/4		Simplex	18"	1
70	Work Table, Stainless Steel Top	120	60	1	15			Duplex	54"	1
76	Conveyor Oven, Electric	208/240	50/60	1	37		6-50P	Special	32"	1
76b	Conveyor Oven, Electric	208/240	50/60	1	37		6-50P	Special	48"	1
77.1	Ansul Fire System	120	60	1	20			J-Box	102"	1
77.2	Hood Controls	120	60	1	15			J-Box	102"	1
81	Gas Countertop Griddle	120	60	1	0.75		5-15P	Simplex	18"	1
82	Range, 36" 6 Open Burners	115	60	1	5.9			Simplex	18"	1
87	Equipment Stand, Refrigerated Base	115	60	1	7.5	1/3	5-15P	Simplex	18"	1
89	Work Table, Cabinet Base Hinged Doors	115	60	1	15			Floor	0"	1
	Hot Food Well Unit, Drop-In, Electric	208-240	60	1	4.58			Floor	0"	1
89.3	Heat Lamp	120	60	1	14.8			Ceiling	108"	4
90	POS	120	60	1	20			Ceiling	108"	2
91	Microwave Oven	120	60	1	13.4		5-15P	Ceiling	108"	1
92	Conveyor Toaster	120	50/60	1	13.8		5-15P	Ceiling	108"	1
97	Sandwich / Salad Preparation Refrigerator	115	60	1	13.0	1/2	5-15P	Floor	0"	1
105	Back Bar Cabinet, Refrigerated	120	60	1	2.5	1/5	5-15P	Simplex	12"	1
111	Printer	120	60	1	20			Duplex	12"	1
112	POS	120	60	1	20			Duplex	12"	1
116	Blender Station	120	60	1	15			Simplex	12"	1
129	Corner Angle Filler	120	60	1	15			Duplex	39"	1
131	Printer	120	60	1	20			Duplex	12"	1
132	POS	120	60	1	20			Duplex	12"	1
141	Corner Angle Filler	120	60	1	15			Duplex	39"	1
146	Blender Station	120	60	1	15			Simplex	12"	1
148	Printer	120	60	1	20			J-Box	12"	2
149	POS	120	60	1	20			J-Box	12"	2
159	Drainboard	120	60	1	15			Duplex	39"	1
160	Back Bar Cabinet, Refrigerated, Pass-Thru	120	60	1	5.5	1/4	5-15P	Simplex	6"	1
161	Back Bar Cabinet, Refrigerated, Pass-Thru	120	60	1	5.5	1/4	5-15P	Simplex	6"	1
162	Frozen Drink Machine, Non-Carbonated, Cylinder Type	208-230	60	1	17.0	(2) 1/4		J-Box	54"	2
200	Refrigeration System, Remote Rack	208	60	3	27.3			Disconnect	48"	1



Basement



NOTE # E1
TYPICAL OUTLETS IN WALL
ABOVE TABLE, BY ELECTRICIAN
NOT TO SCALE

NOTE # E2
ALL NATIONAL, STATE, AND LOCAL
CODES SHALL APPLY.

NOTE # E3
ALL ELECTRICAL CONNECTIONS
AND HARDWARE REQUIRED TO BE
PROVIDED BY ELECTRICAL
CONTRACTOR.

NOTE # E4
ALL JUNCTION BOXES, OUTLETS,
ETC TO BE LOCATED SO AS TO
NOT INTERFERE WITH EQUIPMENT.

NOTE # E5
ALL RELAYS, CONTRACTORS,
STARTERS, AND SWITCHES
REQUIRED FOR EXHAUST & SUPPLY
FANS TO BE PROVIDED BY
ELECTRICAL CONTRACTOR
UNLESS SPECIFIED.

NOTE # E6
ELECTRICAL CONTRACTOR TO
INTERCONNECT DISMACHINE TO
EXHAUST FAN FOR DISMACHINE
SO THAT THE FAN RUNS WHEN
THE DISMACHINE IS IN
OPERATION.

NOTE # E7
ELECTRICAL CONTRACTOR TO
INSTALL TABLE LIMIT SWITCH
END OF CLEAN DISHABLE TO
THAT MACHINE STOPS WHEN
SWITCH IS DEPRESSED.

NOTE # E8
ELECTRICAL CONTRACTOR TO
CONNECT DRAIN LINE HEATER,
PAN HEATER AND DOOR HEATER
FOR WALK-IN FREEZER.

LEGEND - ELECTRICAL CONNECTIONS

- ⊞ DUPLEX RECEPT., 15-AMP, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- ⊞ SIMPLEX RECEPT., 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- ⊞ SPECIAL PURPOSE OUTLET, GROUND TYPE, HORIZONTAL MOUNT
- ⊞ JUNCTION BOX, DIRECT CONNECTION
- ⊞ DISCONNECT SWITCH, DIRECT CONNECTION
- ⊞ FLOOR/CEILING RECEPTACLE AS INDICATED
- ▲ (2) Telephone + (2) Data
- FIELD CONNECTIONS
- HARD WIRE CONNECTION POINT AT MACHINE

Equipment ELECTRICAL Service Requirements

All Dimensions to be verified on the job site.
Actual locations for floor drains, and any ventilating
equipment to be determined by Engineer.
Mechanical, Plumbing & Electrical to be checked and verified
by Customers MEP Engineer.
Remote Condensing Units to be located by Architect.
Exhaust & Supply fans to be located by Architect.

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



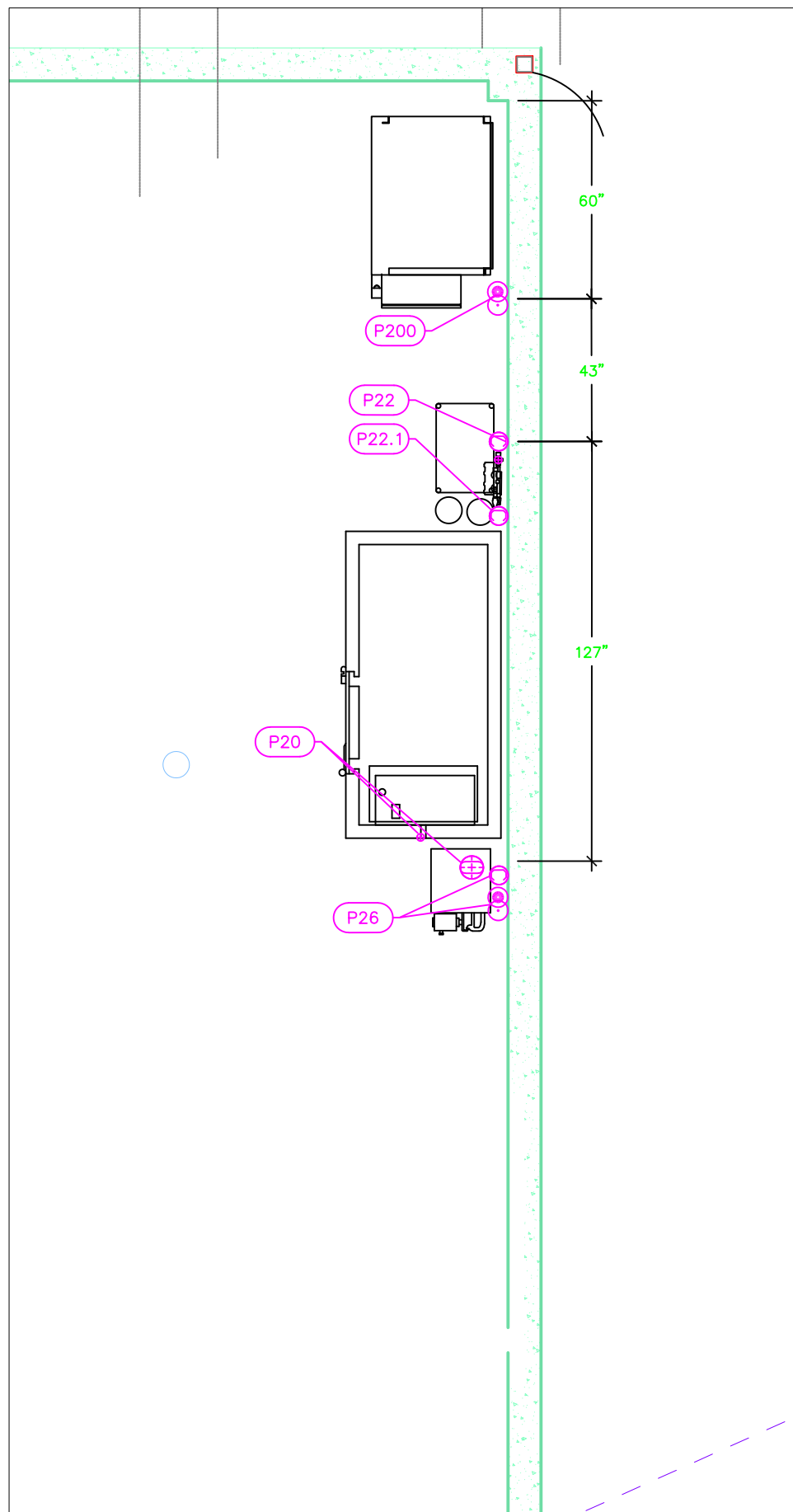
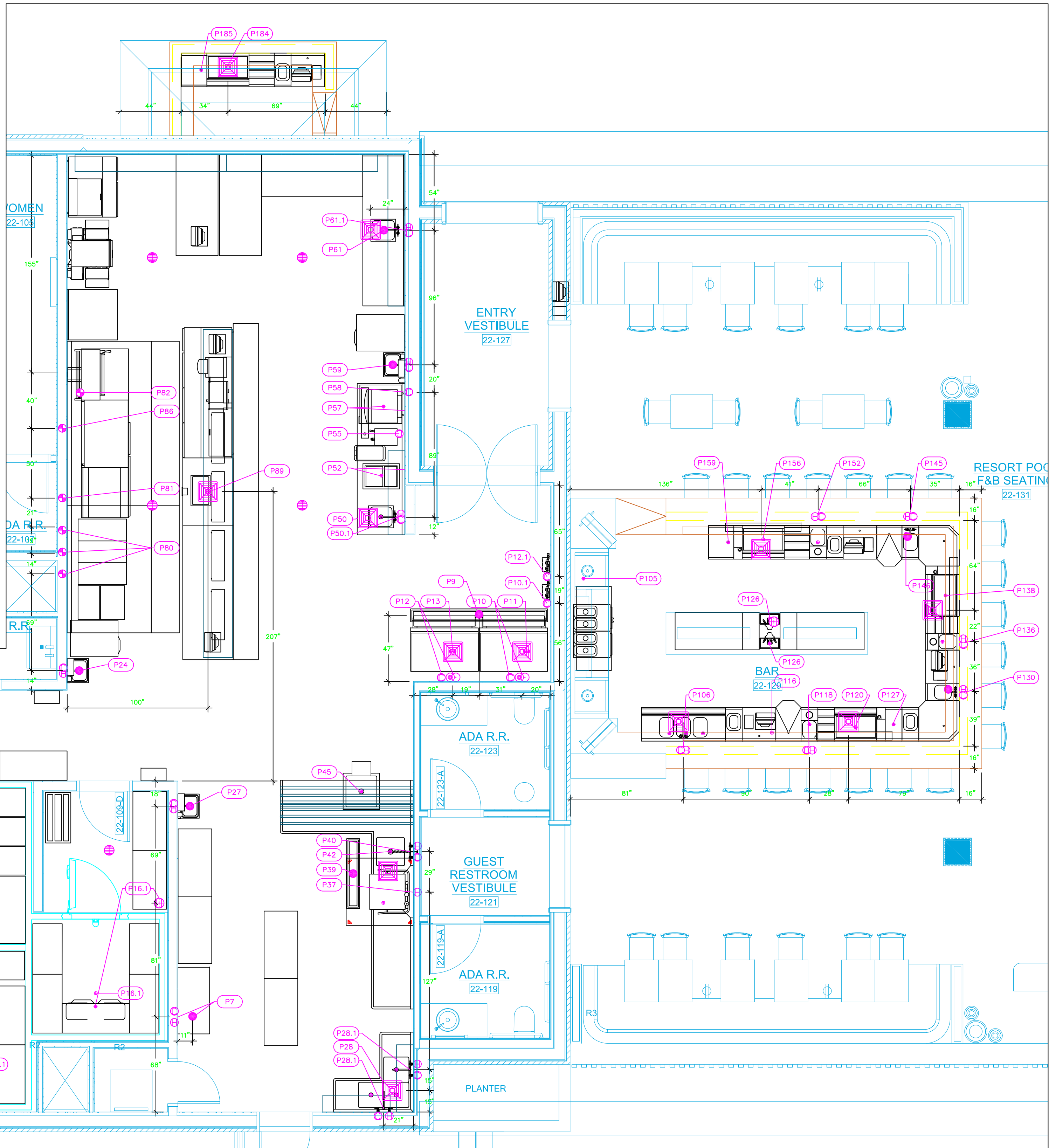
2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background from Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

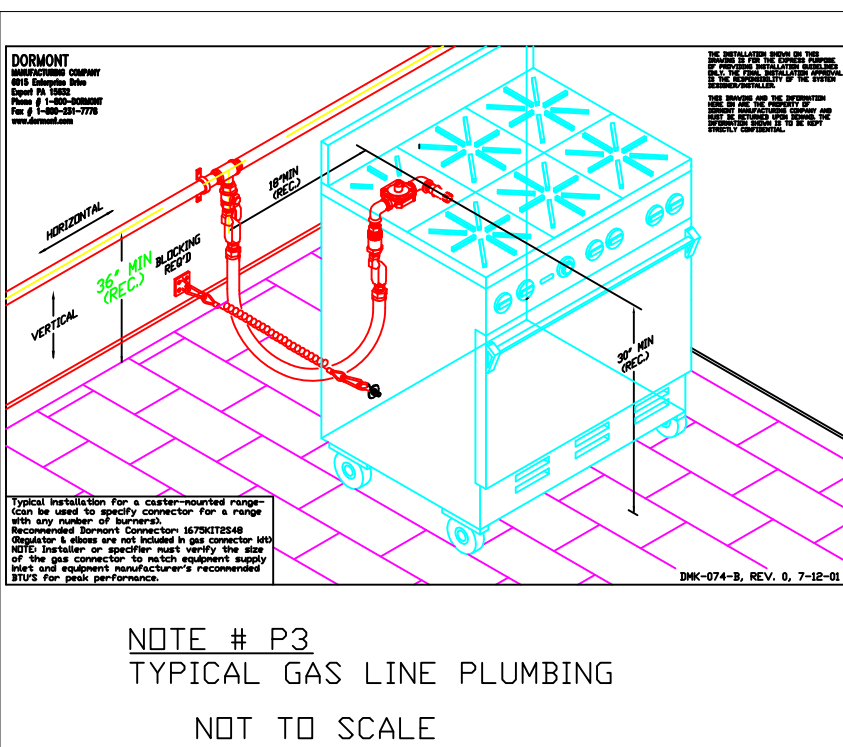
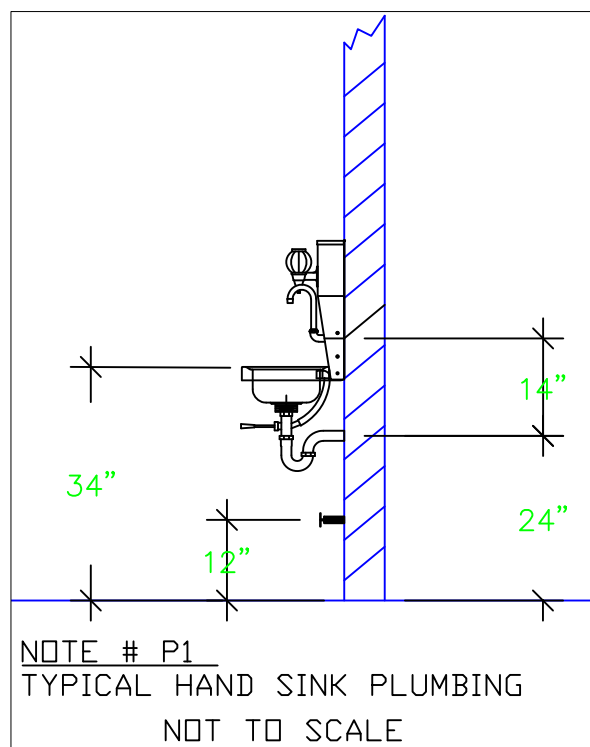
Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
1/4" = 1'0"

Sheet
FS-3

PLUMBING SCHEDULE												
ITEM NO.	DESCRIPTION	COLD WATER	HOT WATER	H&C Rough-In	DIRECT WASTE SIZE	INDIRECT WASTE SIZE	INDIRECT WASTE SIZE	GAS SIZE (IN)	GAS METU	QTY	PLUMBING REMARKS	
1	Evaporator									1	Waste to Funnel Floor Drain	
2	Floor Trough				4"	-6"				1	Installation by Plumber	
3	Hose Reel	3/4"	3/4"	48"						1		
7	Mop Sink Cabinet	1/2"	1/2"	36"	2"	3"				1	Installation by Plumber	
9	Floor Trough				4"	-6"				1		
10	Ice Cuber	1/2"		n/a			3/4"			1	Water Cooled 3/8" Incoming from Filter	
10.1	Water Filtration System, for Ice Machines	3/4"		86"						1	Filtered Water to Ice Machine	
11	Ice Bin for Ice Machines						1"			1	Waste to Floor Sink	
12	Ice Cuber	1/2"		n/a			3/4"			1	Water Cooled 3/8" Incoming from Filter	
12.1	Water Filtration System, for Ice Machines	3/4"		86"						1	Filtered Water to Ice Machine	
13	Ice Bin for Ice Machines						1"			1	Waste to Floor Sink	
14.1	Evaporator						3/4"			1	Waste to Funnel Floor Drain	
15.1	Evaporator						3/4"			1	Waste to Funnel Floor Drain	
16.1	Evaporator						3/4"			1	Waste to Funnel Floor Drain	
20	Walk In Cooler, Modular, Self-Contained						1/2"			1	Waste to Funnel Floor Drain	
22	Bag In Box Rack Accessories	3/4"		n/a						1	Incoming Water from Filter	
22.1	Water Filtration System, for Fountain Beverage Dispensers	3/4"		84"						1	Water to Soda Bib Rack	
24	Hand Sink	1/2"	1/2"	12"	1-1/2"	24"				1	See Note P1	
26	Draft Beer System Power Pack	3/8"		84"						1	Water Cooled 3/8" connections	
27	Hand Sink	1/2"	1/2"	12"	1-1/2"	24"				1	See Note P1	
28	Corner Sink, (3) Three Compartment						(3) 1-1/2"			1	Waste to Floor Sink	
28.1	Wall / Splash Mount Faucet	1/2"	1/2"	14"						2		
37	Dishwasher, Door Type	1/2"	1/2"	60"			1-1/2"			1	Waste to Floor Sink	
39	Floor Trough				4"	-6"				1	Installation by Plumber	
40	Pre-Rinse Faucet Assembly									1		
42	Dishable, Soiled "L" Shaped	1/2"	1/2"	16"						1	Waste to Floor Sink	
50	Beverage Counter						1-1/2"			1	Waste to Floor Sink	
50.1	Deck Mount Faucet	1/2"	1/2"	24"						1		
52	Soda Ice & Beverage Dispenser, In-Counter			n/a			3/4"			1	Incoming Water from Filter	
55	Coffee Brewer	3/8"		n/a						1	Incoming Water from Filter	
57	Espresso Cappuccino Machine	3/8"		n/a			3/4"			1	Incoming Water from Filter	
58	Water Filtration System, for Espresso & Tea Machines	3/8"		60"						1	Water to Beverage Equipment	
59	Hand Sink	1/2"	1/2"	12"	1-1/2"	24"				1	See Note P1	
61	Work Table, Stainless Steel Top									1	Waste to Floor Sink	
61.1	Deck Mount Faucet	1/2"	1/2"	16"	1-1/2"					1		
80	Gas Floor Fryer							3/4"	110.0	3	See Note P3	
81	Gas Countertop Griddle							3/4"	70.0	1	See Note P3	
82	Range, 36", 6 Open Burners							3/4"	194.0	1	See Note P3	
	Salamander Broiler, Gas							3/4"	40.0	1	See Note P3	
86	Charbroiler, Gas, Countertop							3/4"	160.0	1	See Note P3	
89	Work Table, Cabinet Base Hinged Doors						3/4"			1	Waste to Floor Sink	
106	Underbar Sink Units	1/2"	1/2"	12"			(3) 1-1/2"			1	Waste to Floor Sink	
118	Underbar Sink Units	1/2"	1/2"	12"			1-1/2"			1	Waste to Floor Sink	
120	Ice Bin						1/2"			1	Waste to Floor Sink	
126	Drip Trough						1/2"			2	Waste to Funnel Floor Drain	
127	Drainboard						1"			1	Waste to Floor Sink	
130	Hand Sink	1/2"	1/2"	12"	1"	10"				1		
136	Underbar Sink Units	1/2"	1/2"	12"			1-1/2"			1	Waste to Floor Sink	
138	Ice Bin	1/2"	1/2"	12"	1"	10"				1	Waste to Floor Sink	
145	Hand Sink	1/2"	1/2"	12"			1-1/2"			1	Waste to Floor Sink	
152	Underbar Sink Units	1/2"	1/2"	12"			1-1/2"			1	Waste to Floor Sink	
156	Ice Bin						1/2"			1	Waste to Floor Sink	
159	Drainboard						1"			1	Waste to Floor Sink	
184	Ice Bin						1/2"			1	Waste to Floor Sink	
185	Drainboard						1"			1	Waste to Floor Sink	
200	Refrigeration System, Remote Rack									1	Water Cooled 3/4"	



Basement



NOTE # P4
ALL NATIONAL, STATE, AND LOCAL CODES SHALL APPLY

NOTE # P5
ALL PLUMBING CONNECTIONS TO BE EXTENDED AND INTERCONNECTED TO EQUIPMENT AND ALL HARDWARE REQUIRED TO BE PROVIDED BY PLUMBING CONTRACTOR

NOTE # P6
PLUMBING CONTRACTOR TO VERIFY THAT ALL EQUIPMENT IS INSTALLED WITH THE APPROPRIATE GAS PRESSURE AND REGULATORS

NOTE # P7
ALL WASTE LINES AND CONDENSATE LINES TO BE EXTEND FROM EQUIPMENT TO FLOOR DRAINS BY PLUMBING CONTRACTOR.

- LEGEND - PLUMBING CONNECTIONS
- HW-HOT WATER, OR CW-COLD WATER
 - GAS
 - WASTE, DIRECT-CONNECTED
 - WASTE, INDIRECT TO Floor Sink Zurn FD-2370
 - WASTE, INDIRECT TO Funnel Floor Drain Josam
 - FLOOR DRAIN Josam 30000-A3
 - Chill Water In & Out

Equipment PLUMBING Service Requirements

All Dimensions to be verified on the job site. Actual locations for floor drains, and any ventilating equipment to be determined by Engineer. Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer. Remote Condensing Units to be located by Architect. Exhaust & Supply fans to be located by Architect.

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background from Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
1/4" = 1'0"

Sheet
FS-4

HOOD INFORMATION — JOB#3760980

HOOD NO.	ITEM	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
						WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.			END TO END	ROW
1	38	4824 VHB-G	4' 0"	700 DEG.	600	8"	9"	4"		600	1200	-0.096"	0	304 SS 100%	ALONE	ALONE
2	77 - LEFT	6024 ND-2-PSP-F	7' 7"	600 DEG.	1706	10"	16"	4"		1706	1535	-0.647"	1550	304 SS 100%	LEFT	ALONE
3	77 - RIGHT	6024 ND-2-PSP-F	9' 9"	600 DEG.	2681	10"	25"	4"		2681	1544	-0.899"	2179	304 SS 100%	RIGHT	ALONE

HOOD INFORMATION

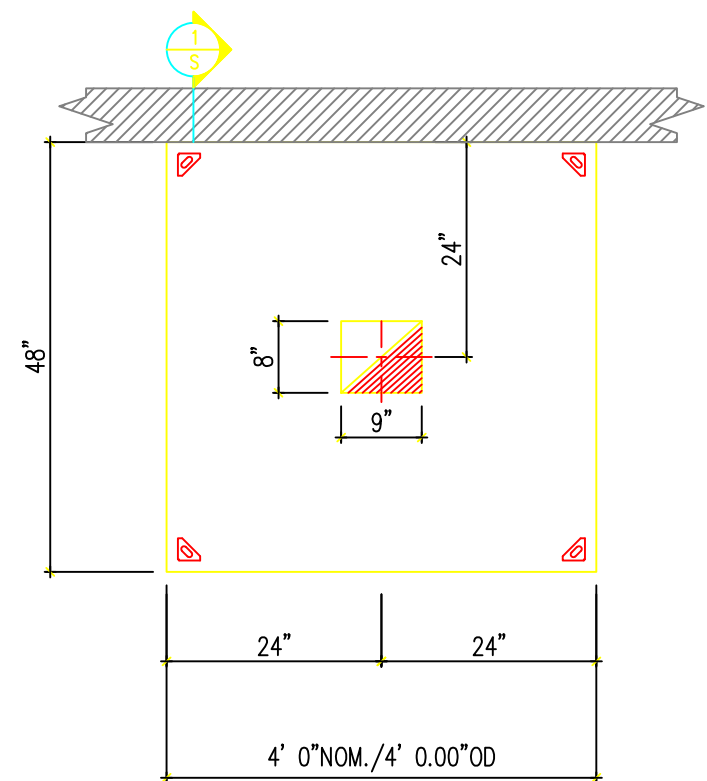
HOOD NO.	ITEM	TYPE	FILTER(S)				LIGHT(S)				WIRE GUARD	FIRE SYSTEM PIPING	HOOD HANGING WGT.
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE					
1	38												157 LBS
2	77 — LEFT	CAPTRATE SOLO FILTER	5	20"	16"	85% SEE FILTER SPEC.	4	RECESSED			NO	YES	487 LBS
3	77 — RIGHT	CAPTRATE SOLO FILTER	7	20"	16"	85% SEE FILTER SPEC.	5	RECESSED			NO	YES	590 LBS

HOOD OPTIONS

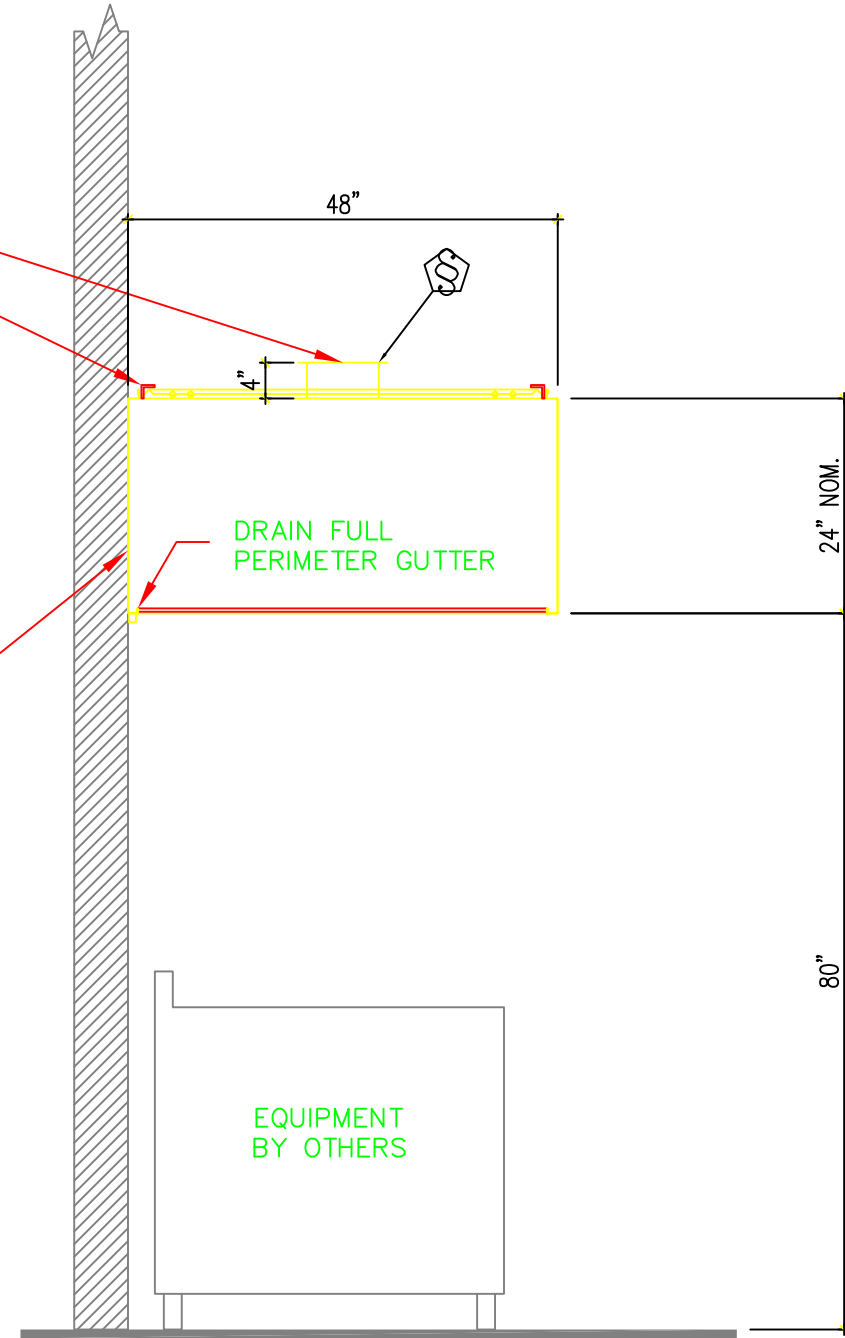
HOOD NO.	ITEM	OPTION
1	38	STRUCTURAL FRONT PANEL
2	77 — LEFT	BALANCE DAMPERS
2	77 — LEFT	STRUCTURAL FRONT PANEL
3	77 — RIGHT	BALANCE DAMPERS
3	77 — RIGHT	STRUCTURAL FRONT PANEL

PERFORATED SUPPLY PLENUM(S)

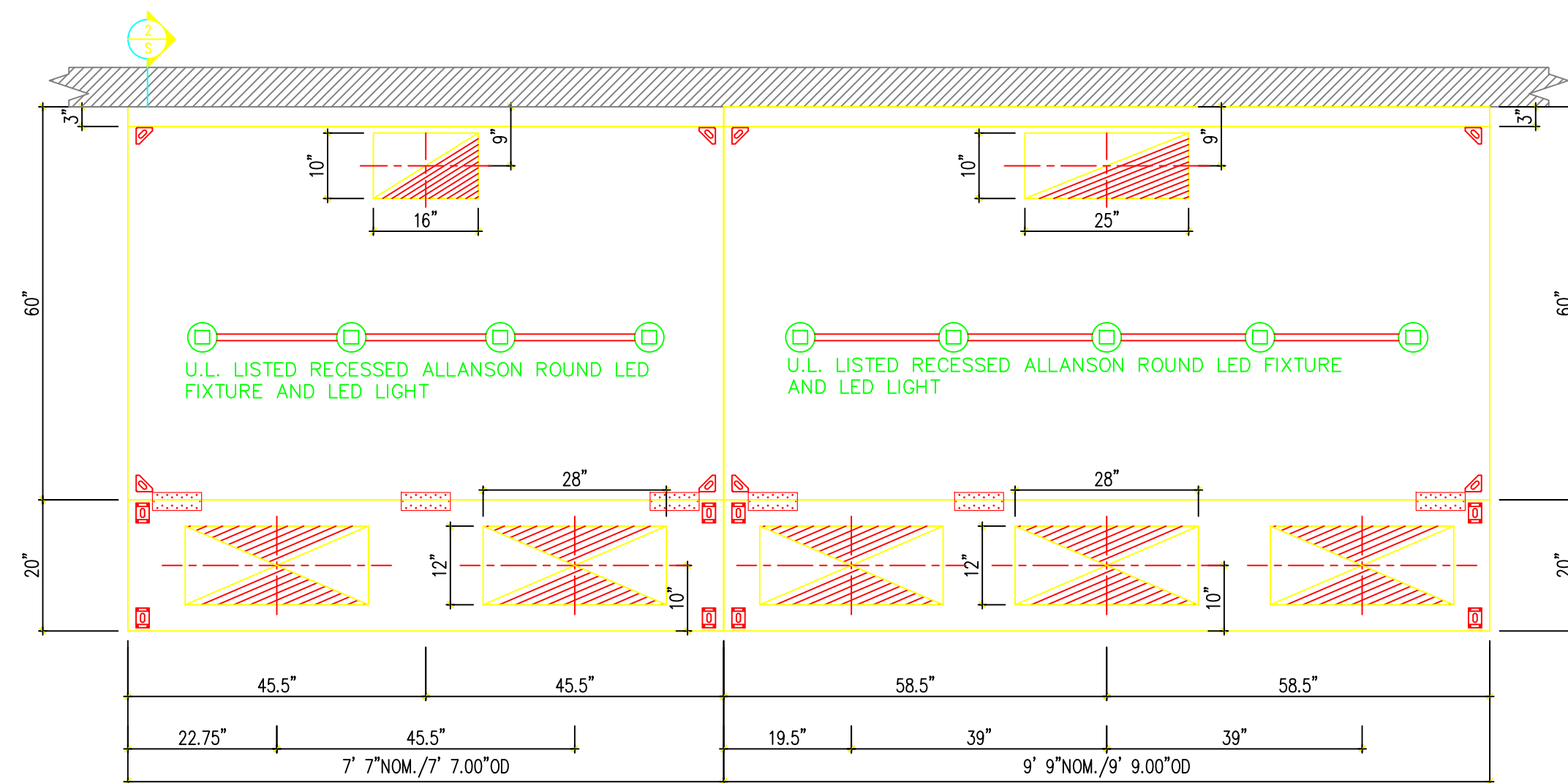
HOOD NO.	ITEM	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG.	DIA.	S.P.
2	77 — LEFT	FRONT	91"	20"	6"	MUA	12"	28"		775 0.224"
						MUA	12"	28"		775 0.224"
3	77 — RIGHT	FRONT	117"	20"	6"	MUA	12"	28"		726 0.198"
						MUA	12"	28"		726 0.198"



PLAN VIEW — ITEM #38
4' 0.00" LONG 4824VHB-G

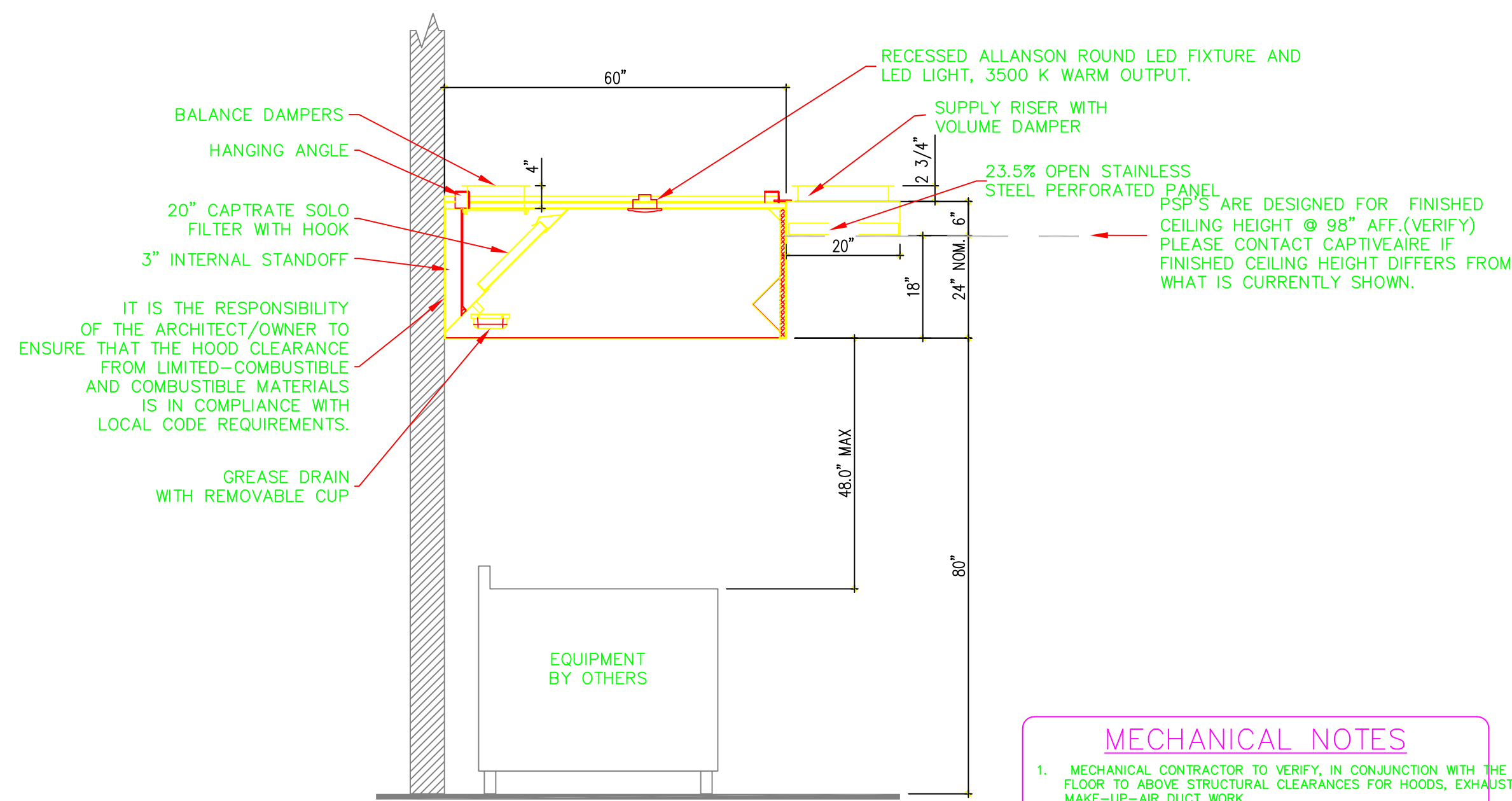


MODEL # 4824VHB-G
SECTION S
3/4" = 1'-0"
ITEM # 38



PLAN VIEW — ITEM #77-LEFT
7' 7.00" LONG 6024ND-2-PSP-F

PLAN VIEW — ITEM #77-RIGHT
9' 9.00" LONG 6024ND-2-PSP-F



MODEL # 6024ND-2-PSP-F
SECTION S
3/4" = 1'-0"
ITEM # 77

MECHANICAL NOTES

- MECHANICAL CONTRACTOR TO VERIFY, IN CONJUNCTION WITH THE KEC, ALL FLOOR TO ABOVE STRUCTURAL CLEARANCES FOR HOODS, EXHAUST, AND MAKE-UP-AIR DUCT WORK.
- ALL MAKE-UP-AIR SUPPLY PLENUMS TO BE MOUNTED FLUSH WITH CEILING.
- IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10') FEET OF THE HOOD. NON-DIRECTIONAL PERFORATED DIFFUSERS ARE RECOMMENDED. (NO 4 WAY DIFFUSERS).
- ALL FANS, DUCT WORK, STARTERS, AND CONTROLS ARE THE COMPLETE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. (KEC TO PROVIDE AND HANG ALL HOODS ONLY).
- SEE SPECIAL CONDITIONS PLAN FOR LOCATION OF HOODS AND DUCT COLLARS.
- ALL MAKE-UP-AIR IS TO BE TEMPERED.
- KEC TO PROVIDE FULLY OPERATIONAL FIRE SYSTEM & OBTAIN ALL APPROVALS.

CAPTIVEAIRE HOODS ARE BUILT IN COMPLIANCE WITH



DWG#: JOB-3760980

PROJECT: BAHAMAR WATER PARK

TITLE: HOOD LAYOUT

LOCATION: NASSAU, BAHAMAS

CAPTIVEAIRE

COPYRIGHT

UNAUTHORIZED USE OF THE FOODSERVICE DESIGNS, DETAILS, AUTOCAD BLOCKS, AND SPECIFICATIONS CONTAINED IN THESE DOCUMENTS IS STRICTLY PROHIBITED. NSD, INC. MAINTAINS OWNERSHIP OF SAME. THIS PROHIBITION EXTENDS FROM PRINTED MATERIAL TO ANY ELECTRONIC VERSION OF THE SAME. NO USE, OTHER THAN THAT FOR WHICH IT IS INTENDED, IS STRICTLY PROHIBITED WITHOUT WRITTEN PERMISSION FROM NEXT STEP DESIGN, INC. ALL RIGHTS RESERVED.

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date

July 15, 2019

Drawn By

Dayne Gauntlett

Scale

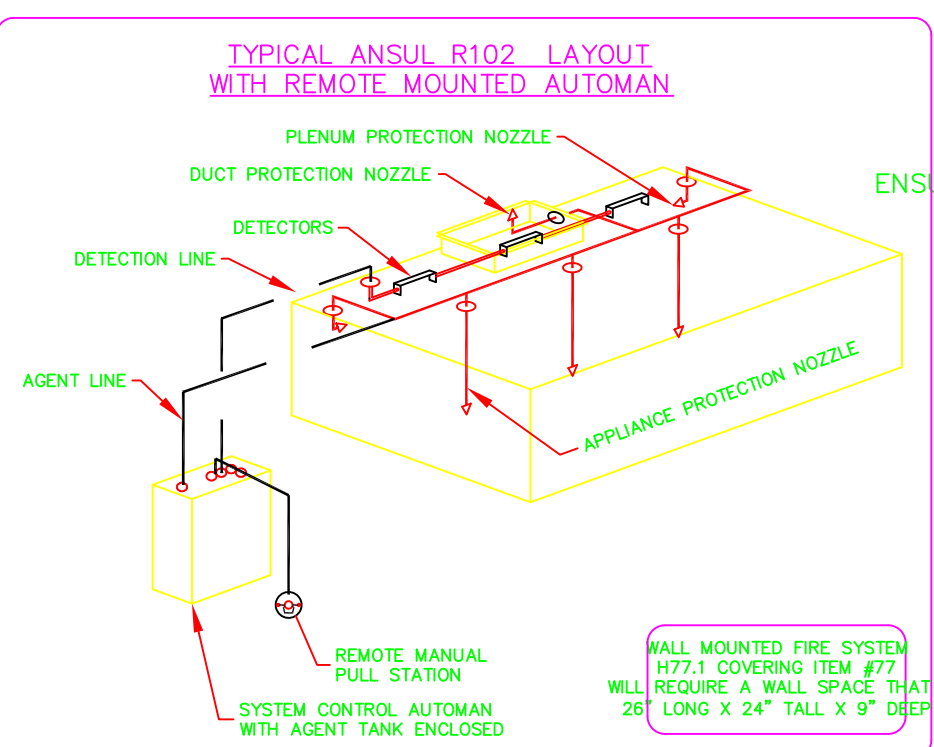
NTS

Sheet

FS-6

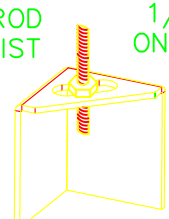
HOOD VENTILATION DETAILS

SCALE 3/4"=1'-0"



ND-2 HANGING ANGLE DETAIL

1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE



*ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR. HANGING ANGLE IS PRE-PUNCHED AT FACTORY.

ETL LISTING

THE CAPTIVEAIRE MODEL VHB-G HAS BEEN U.L. 710 TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 100 CFM PER LINEAR FOOT OVER 700 DEGREE COOKING EQUIPMENT

ETL LISTING

THE CAPTIVEAIRE MODEL ND-2 HAS BEEN U.L. 710 TESTED, LISTED, AND APPROVED TO EXHAUST A MINIMUM OF 200 CFM PER LINEAR FOOT OVER 600 DEGREE COOKING EQUIPMENT

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

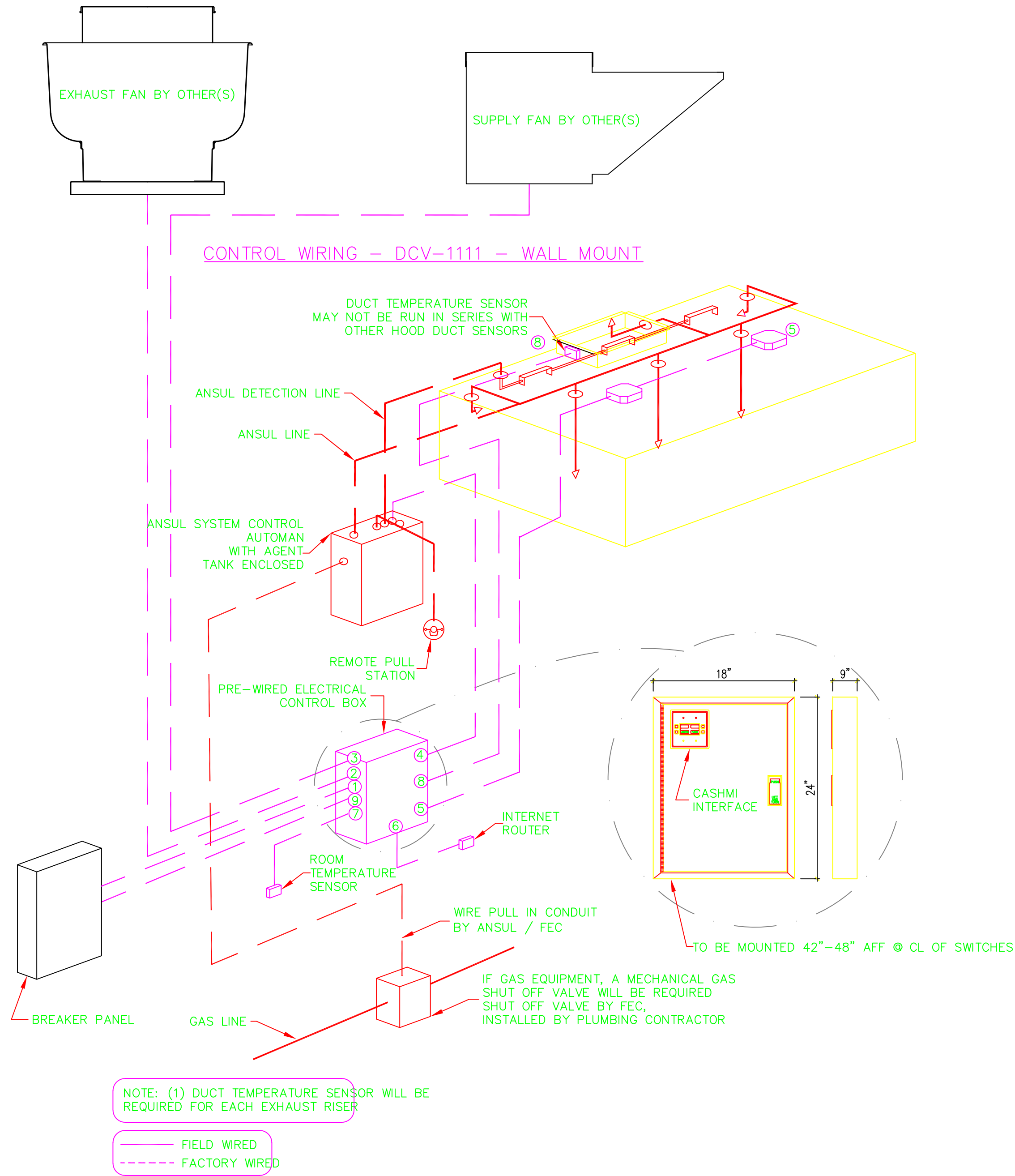
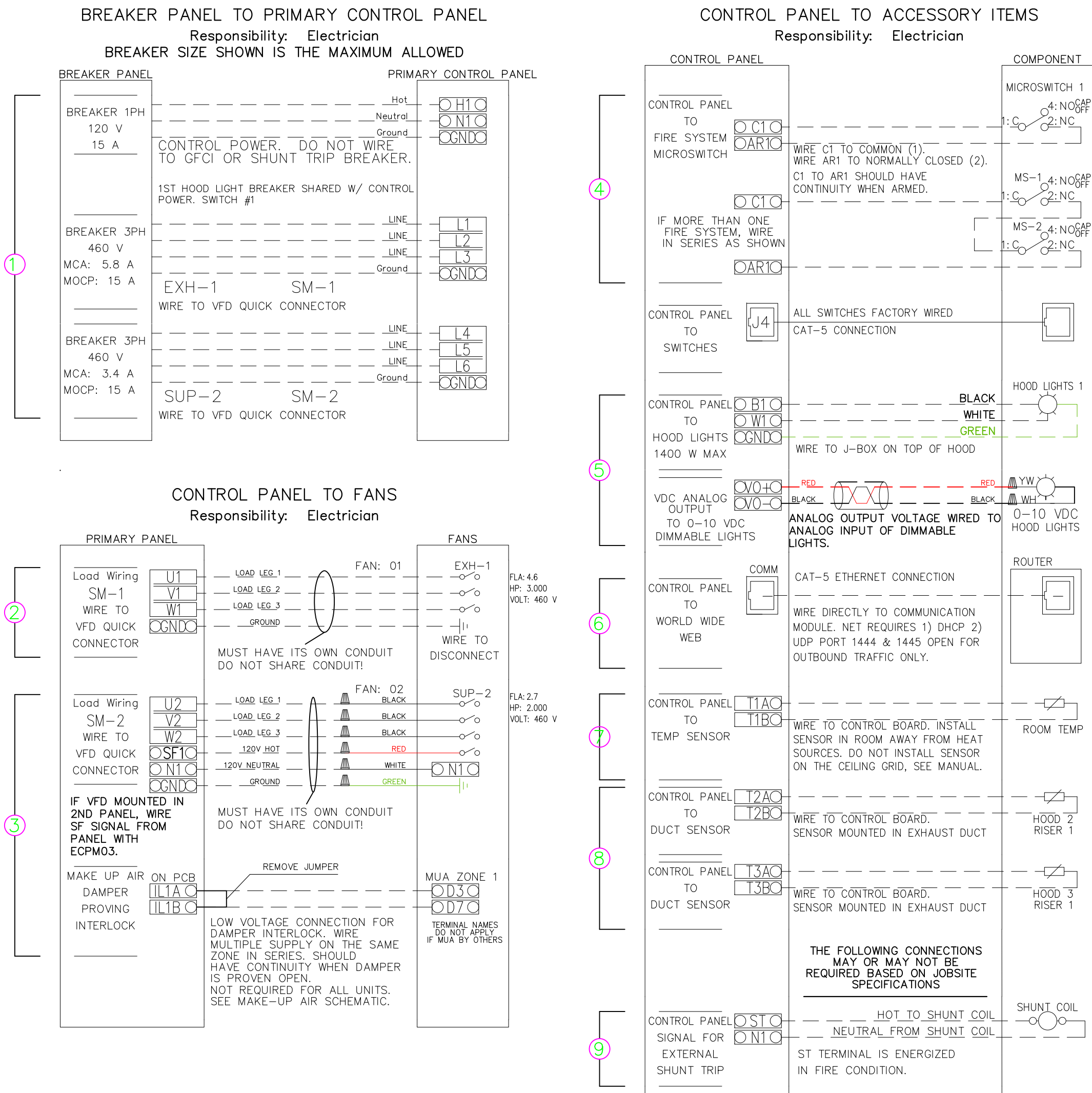
VERIFY CEILING HEIGHT

HEIGHT REQUIRED TO VERIFY THAT HOOD WILL FIT AND TO SIZE THE ENCLOSURE PANELS

ELECTRICAL PACKAGE -- JOB#3760980

NO.	ITEM	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED	
				LOCATION	QUANTITY		TYPE	Φ H.P./VOL/FLA
1	77.2	DCV-111	WALL MOUNT IN SS	88"x" SS WALL BOX	MOUNT LIGHT 1 FAN	SMART CONTROLS DCV	EXHAUST3 SUPPLY3	TBD

CONTROLS ITEM 77.2 CONTROLS ITEM #77



CAPTIVEAIR

HOOD VENTILATION DETAILS

SCALE 3/4"=1'-0"

COPYRIGHT
UNAUTHORIZED USE OF THE FOODSERVICE DESIGNS, DETAILS, Autocad BLOCKS, AND SPECIFICATIONS CONTAINED IN THESE DOCUMENTS IS STRICTLY PROHIBITED. NSD, INC. MAINTAINS OWNERSHIP OF SAME. THIS PROHIBITION EXTENDS FROM PRINTED MATERIAL TO ANY ELECTRONIC VERSION OF THE SAME. NO USE, OTHER THAN THAT FOR WHICH IT IS INTENDED, IS STRICTLY PROHIBITED WITHOUT WRITTEN PERMISSION FROM NEXT STEP DESIGN, INC. ALL RIGHTS RESERVED.

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



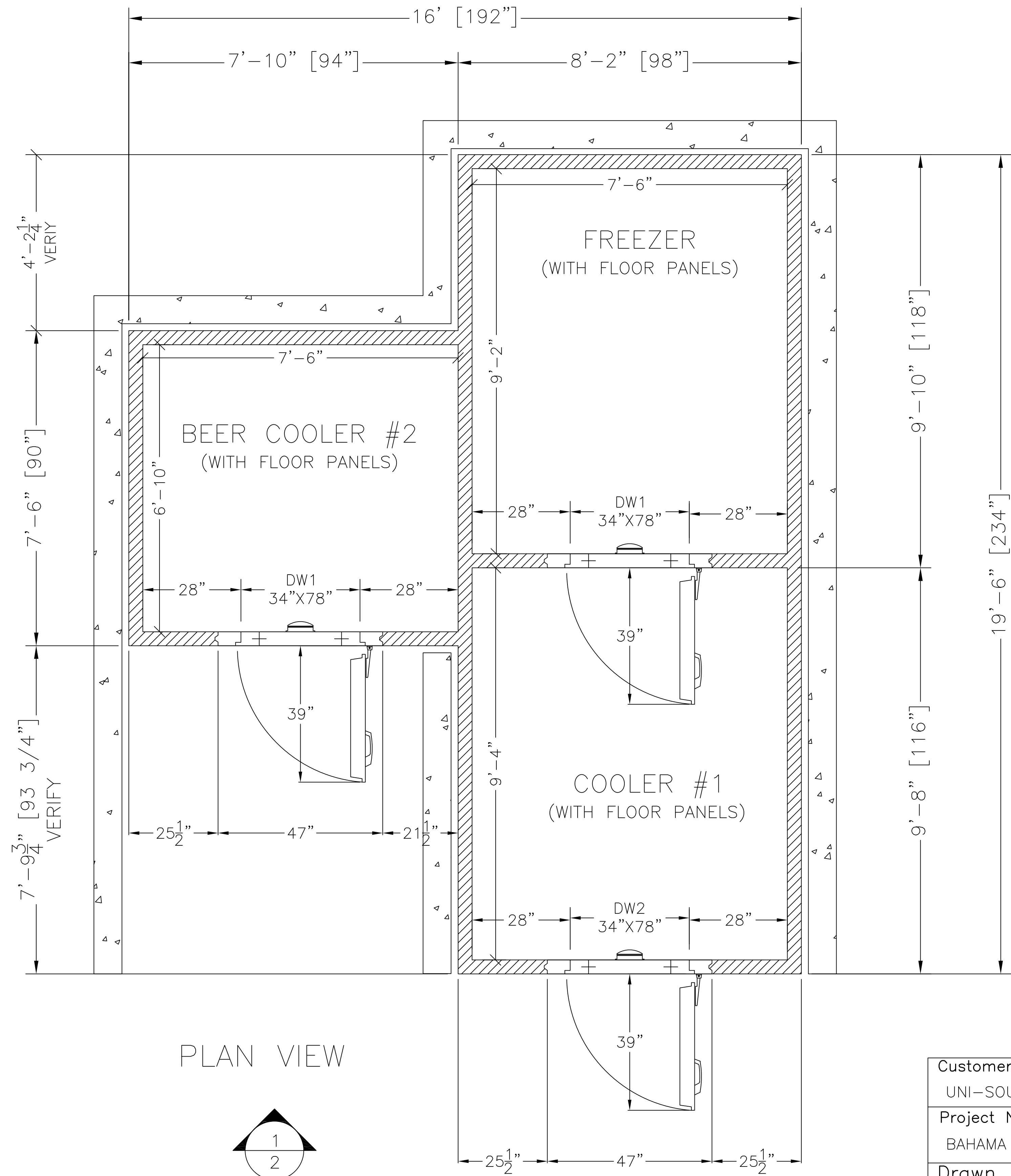
uni-source
SUPPLY
INTERNATIONAL INC.

2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

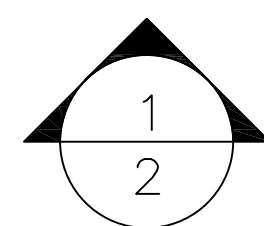
3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
NTS

Sheet
FS-7



PLAN VIEW



9731 N.W. 114th WAY
MIAMI, FL 33178
PHONE: (305) 883-5581
www.arcticwalkins.com



Revisions:

No.	DATE & BY
1	6/19/19 BY CP
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	6/19/19 BY CP

- ☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ RESUBMIT

SIGNED _____

DATE: _____

CONFIDENTIAL

THE DRAWINGS, TECHNICAL DATA,
AND ALL OTHER INFORMATION SET
FORTH IN THIS DOCUMENT
COMPRISE TRADE SECRETS AND
CONFIDENTIAL INFORMATION
THAT IS THE EXCLUSIVE PROPERTY
OF ARCTIC INDUSTRIES, LLC.

USE OF SUCH INFORMATION IS
LIMITED TO THE PURPOSE FOR
WHICH IT WAS PROVIDED AND NO
RECIPIENT IS PERMITTED TO USE,
COPY, OR DISCLOSE SUCH
INFORMATION EXCEPT AS
EXPRESSLY AUTHORIZED BY ARCTIC
INDUSTRIES, LLC.

Customer Name:
UNI-SOURCE SUPPLY/EXC

Project Name: P.O.#: _____
BAHAMA MAR BAY

Drawn By:	Checked By:	DRW No:
CARMEN	JANET	Q152294-1
Scale:	Created:	Sheet No:
1/4" = 1'	6/19/2019	1 OF 4

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas

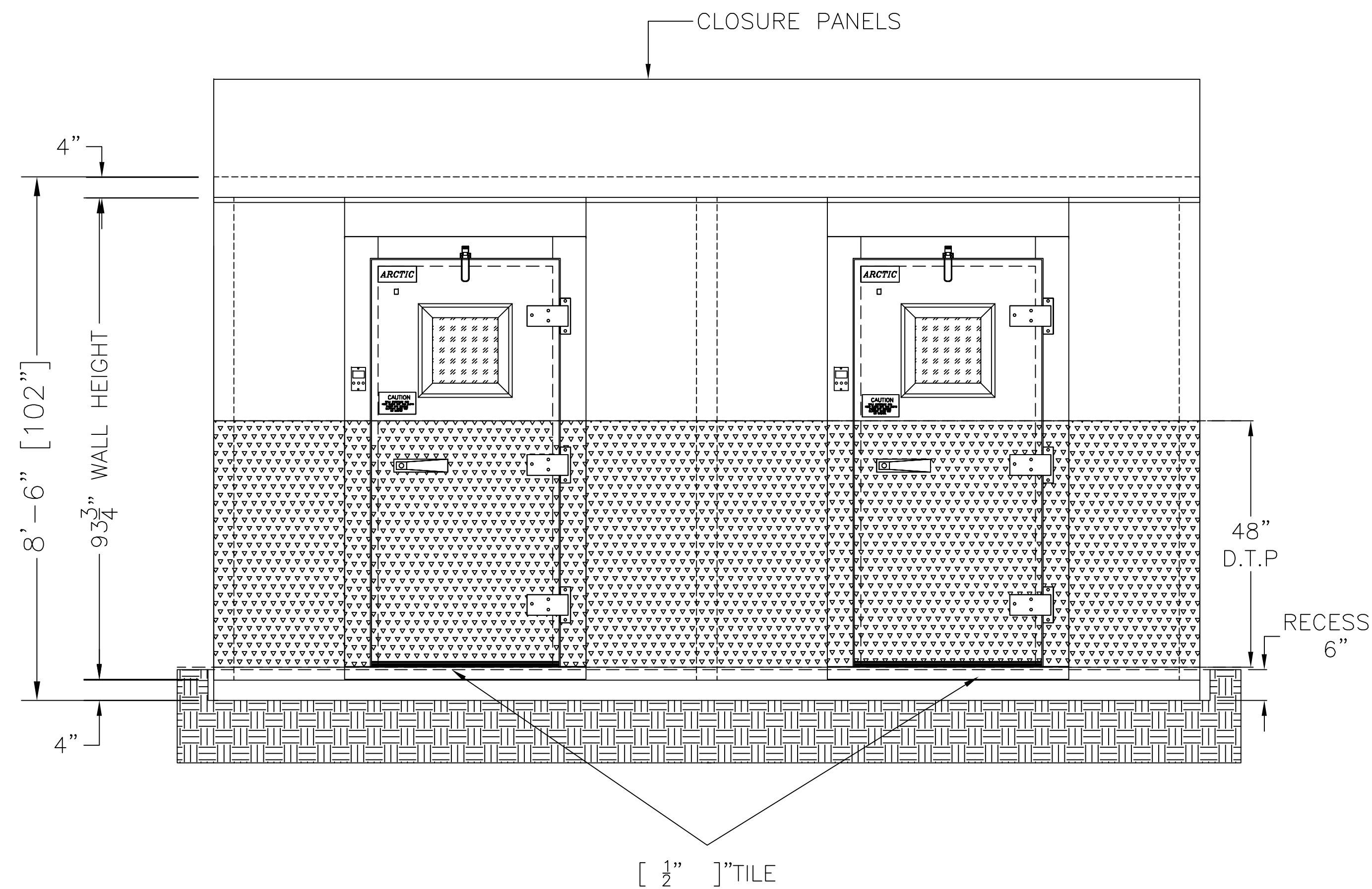


2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131


3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
NTS

Sheet
FS-8



1 ELEVATION

					
9731 N.W. 114th WAY MIAMI, FL 33178		PHONE: (305) 883-5581 https://www.arcticwalkins.com			
Customer Name:					
UNI-SOURCE SUPPLY/EXC					
Project Name:		P.O# : ____			
BAHAMA MAR BAY					
Drawn By:		Checked By:		DRW No:	
CARMEN		JANET		Q152294-1	
Scale:		Created:		Sheet No:	
1/4" = 1'		6/19/2019		2 OF 4	



3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date	July 15, 2019
Drawn By	Dayne Gauntlett
Scale	NTS

Sheet	FS-9
-------	------



Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

CONSTRUCTION: 4" XPS FOAM, FLAME SPREAD 15, SMOOKE DEVELOPED 165

PANEL FINISHES		DOOR DESCRIPTION	WALK-IN ACCESSORIES
WALL INTERIOR: .032 WHITE SMOOTH ALUMINUM		FREEZER DOOR:	(4) EA - LED 4' LIGHT FIXTURE
WALL EXTERIOR: .032 WHITE SMOOTH ALUMINUM		INTERIOR FINISH: .032 WHITE SMOOTH ALUMINUM	(50)SQ.FT - CLOSURE PANELS - MATCHING EXTERIOR FINISH
		EXTERIOR FINISH: .032 WHITE SMOOTH ALUMINUM	(20)SQ.FT - TRIM STRIPS - MATCHING EXTERIOR FINISH
		COOLER DOOR:	(17) FT - 1/8 ALUM. DIAMOND TREADPLATE - 3' ON WALL [SHP LOOSE]
CEILING INTERIOR: .032 WHITE SMOOTH ALUMINUM		INTERIOR FINISH: .032 WHITE SMOOTH ALUMINUM	(2) EA - CLEAR CCI VU SWINGING DOOR
CEILING EXTERIOR: .032 WHITE SMOOTH ALUMINUM		EXTERIOR FINISH: .032 WHITE SMOOTH ALUMINUM	
		ACCESSORIES:	
		HANDLE 1229C BRUSHED CHROME	
FLOOR INTERIOR: 16 GAUGE GALVANIZED STEEL - NON NSF		HINGE MODEL: 1256 BRUSHED CHROME QTY: 3	
FLOOR EXTERIOR: 26 GAUGE MILL EMBOSSED ACRYLUME		DOOR CLOSURE 1094 W/HOOK	
		48" DTP KICKPLATE INT. & EXT.	
		48" DTP JAMB GUARDS ALUM - IN & OUT	
		A/V ALARM MODULARM 75LC FLUSH MOUNT	
		HEATED WIRE & PRV (FREEZER)	
		VAPOR LIGHT - LED (1808NM)	
		14" X 14" HEATED GLASS VISION PANEL, TRIPLE PANE	
		STAINLESS STEEL THRESHOLD - 16GA	
		PRV UNHEATED - NARROW JAM 115V (COOLER)	
		SPRING HINGE CONVERSION KIT (PER HINGE)	
		A/V ALARM MODULARM 75LC MD-1 MOTION DETECTOR (SHIPPED LOOSE)	
			NOTE: SEE LAST PAGE FOR DETAILS

GENERAL NOTES

FLOOR MUST BE LEVEL WITHIN 3/16" PER 10', SMOOTH, AND CLEAR OF OBSTRUCTIONS PRIOR TO INSTALLING WALK-IN PANELS.

A 2" MINIMUM GAP ALL AROUND WALK-IN IS REQUIRED FOR PROPER AIR CIRCULATION. HIGH HUMIDITY ENVIRONMENTS MAY REQUIRE FORCED VENTILATION IN GAP TO PREVENT CONDENSATION.

FLOOR PANELS (WHEN PROVIDED) ARE DESIGNED TO WITHSTAND A 600 POUND PER SQUARE FOOT STATIONARY LOAD. DAMAGE DUE TO FORKLIFTS, PALLET JACKS, CARTS, OR ANY TYPE OF ROLLING TRAFFIC IS NOT COVERED BY WARRANTY.

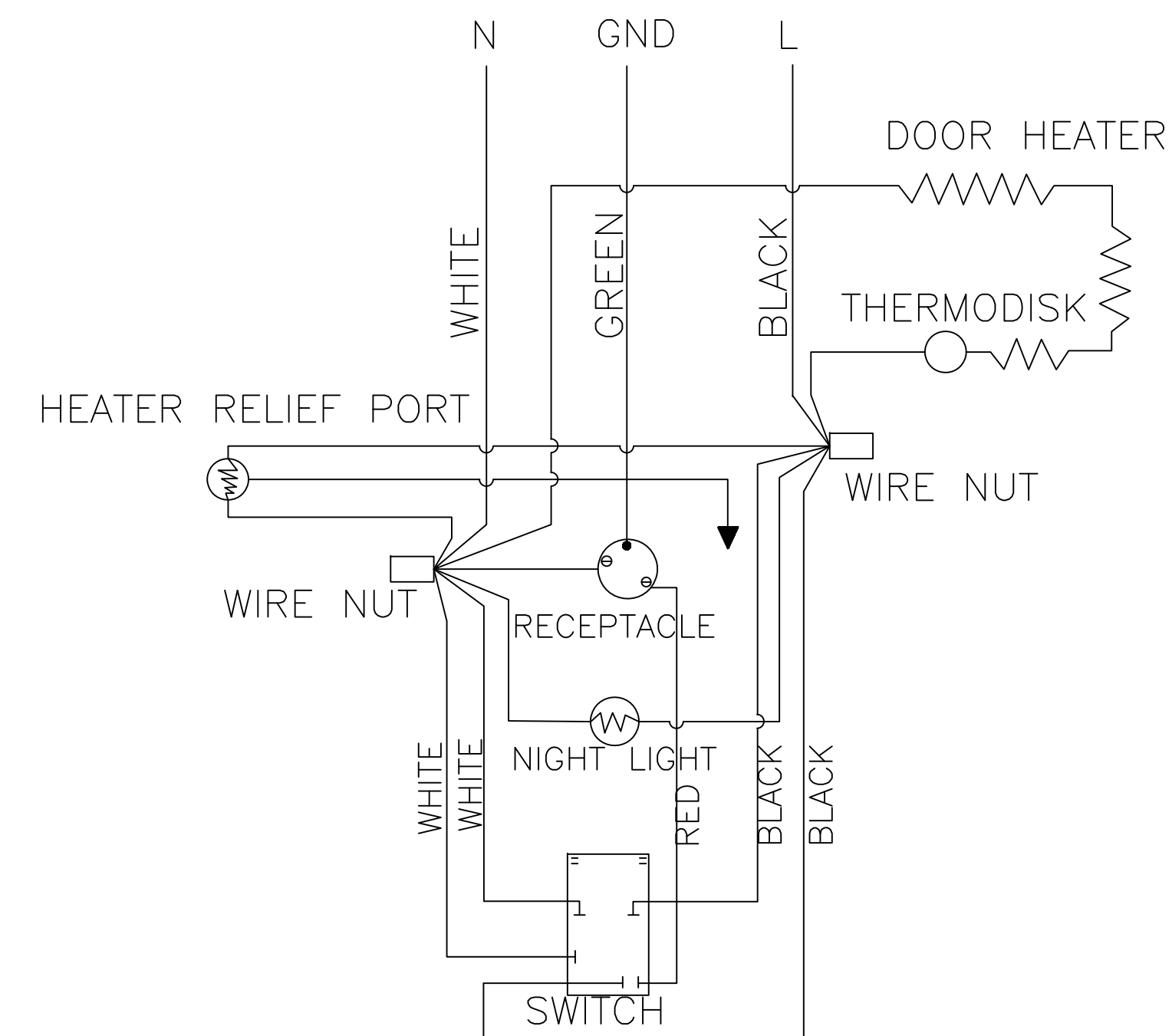
STANDARD PANELS HAVE A STUCCO-EMBOSSED FINISH (TEXTURE) THAT HELPS REDUCE IRREGULARITIES IN THE PANEL SURFACE. ON REQUEST WE WILL PROVIDE A NON-TEXTURED (SMOOTH FINISH). SMOOTH FINISH PANELS TYPICALLY EXPERIENCE WRINKLING AND OTHER FLATNESS IMPERFECTIONS SUCH AS OIL-CANNING WHICH IS NOT COVERED BY WARRANTY.

WALK-IN ROOF IS NOT DESIGNED FOR FOOT TRAFFIC OR STORAGE.

SNOW/ICE LOADS (OUTDOOR BOXES): TO AVOID CEILING FAILURE/COLLAPSE DUE TO SNOW OR ICE (NOT COVERED BY PANEL WARRANTY), SNOW OR ICE ACCUMULATION OF MORE THAN 3" MUST BE CAREFULLY REMOVED IN A MANNER WHICH DOES NOT CAUSE DAMAGE OR TEAR THE MEMBRANE ROOF COVER.

FOR QUARRY TILE OR CONCRETE FLOORS, THE METAL FACING MAY BE SUSCEPTIBLE TO STAINING DUE TO MOISTURE CREATED BY HYDRATION OF CONCRETE-TYPE MATERIALS. EACH ROOM MUST BE PROPERLY VENTILATED AND SPECIAL PRECAUTIONS TAKEN WHEN USING MURIATIC ACID DUE TO ITS EFFECTS ON ALUMINUM, GALVANIZED STEEL, AND STAINLESS STEEL. METAL SURFACES MUST BE PROTECTED FROM LIME AND CONCRETE RELATED COMPONENTS. PETROLEUM-BASED PROTECTION MUST BE APPLIED BETWEEN THE CONCRETE AND THE METAL SURFACES (LIQUID TAR BRUSHED OR SPRAYED ABOVE CONCRETE LINE, HEAVY EPOXY PAINT, 8 MIL POLYETHYLENE, OR DOUBLE LAYERED 30 LB ASPHALT IMPREGNATED ROOFING PAPER).

ELECTRIC DIAGRAM FOR DOORS



9731 N.W. 114th WAY MIAMI, FL 33178	PHONE: (305) 883-5581 https://www.arcticwalkins.com
--	--

Customer Name:	UNI-SOURCE SUPPLY/EXC
----------------	-----------------------

Project Name: P.O#:
BAHAMA MAR BAY

Drawn By:	Checked By:	DRW No:
CARMEN	JANET	Q152294-1
Scale:	Created:	Sheet No:
N/A	6/19/2019	3 OF 4

NOTE: REFRIGERATION SYSTEM BY OTHERS.

**Baha Mar Bay
Building 22 F&B
Nassau, Bahamas**



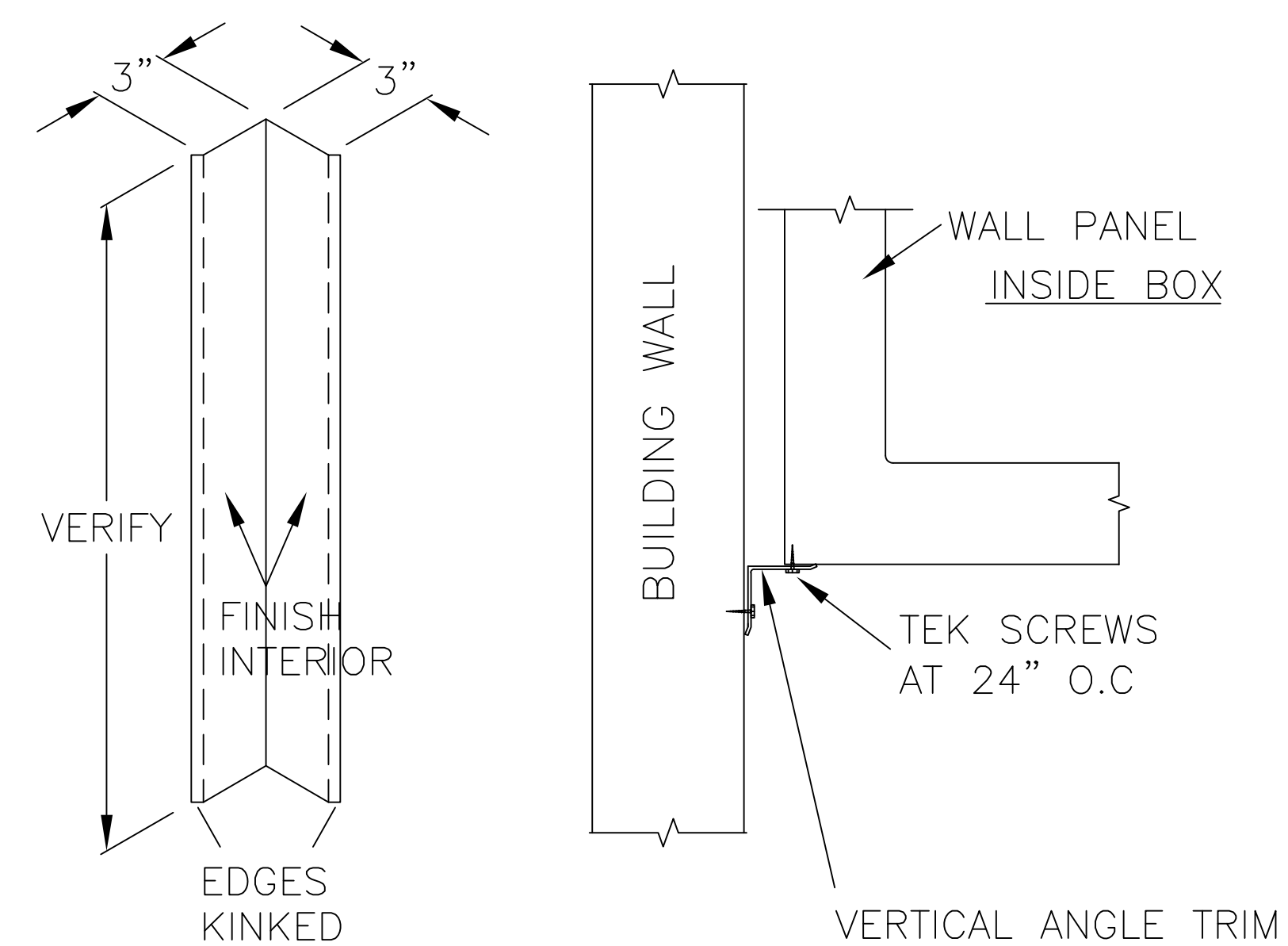
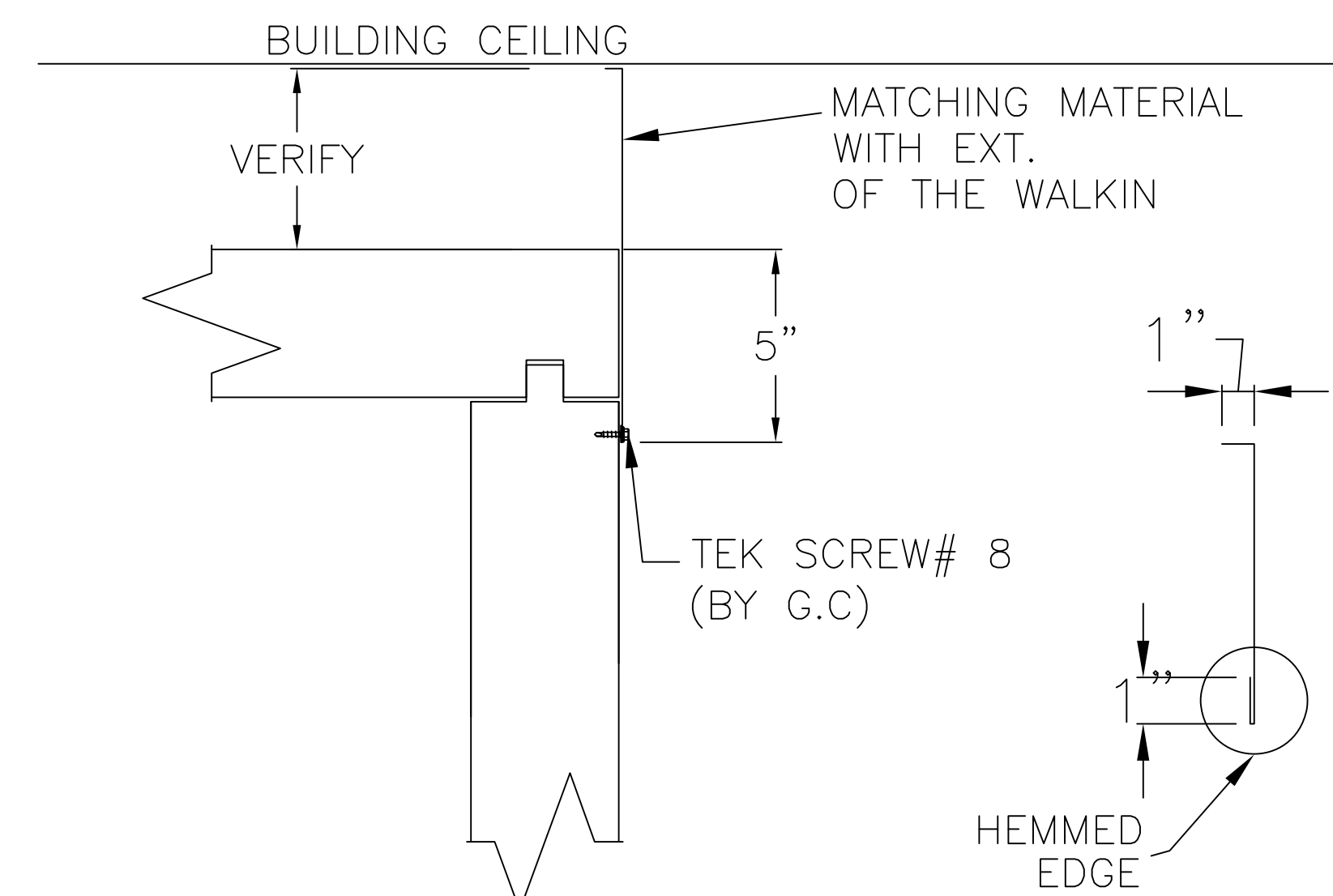
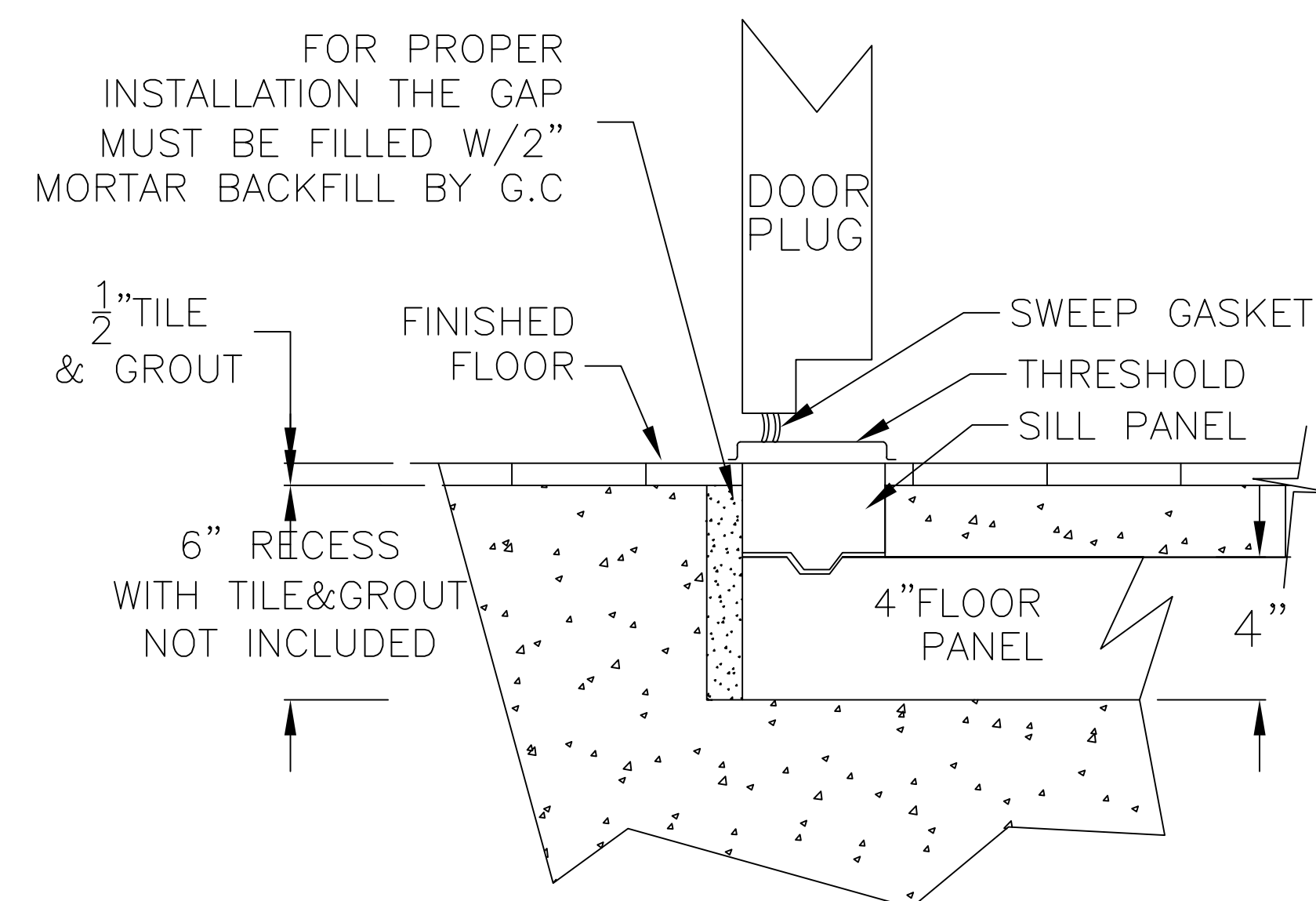
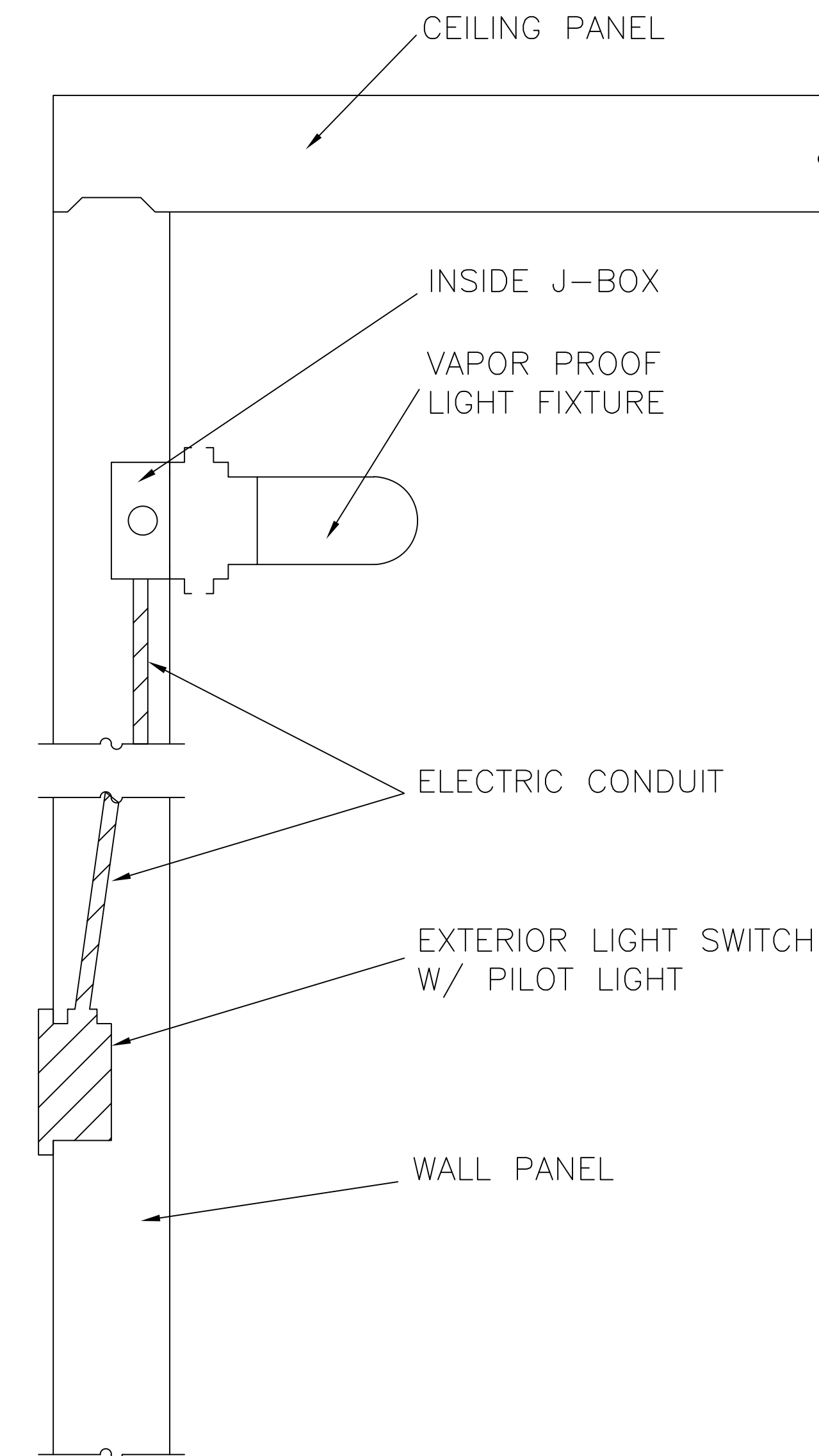
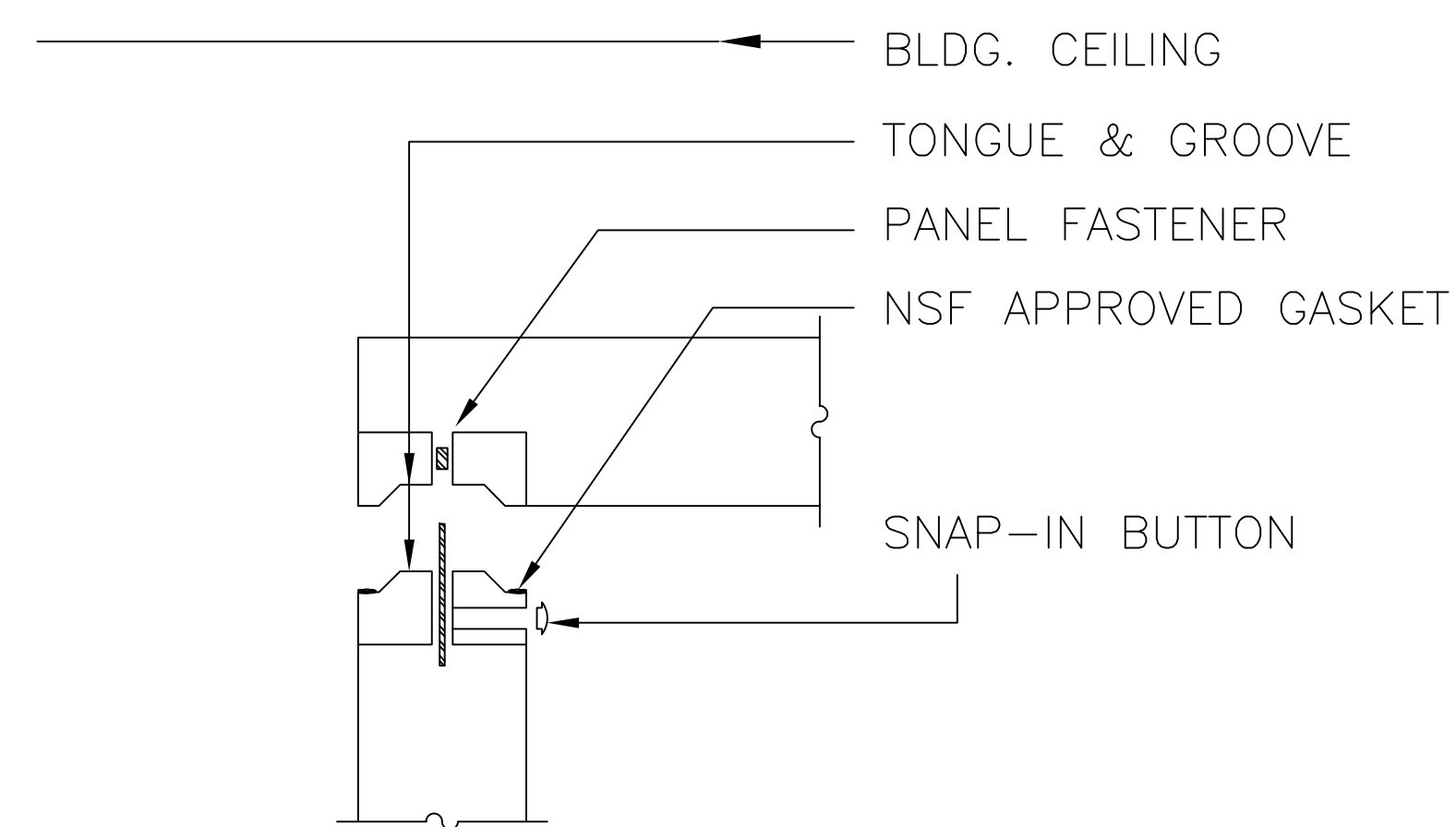
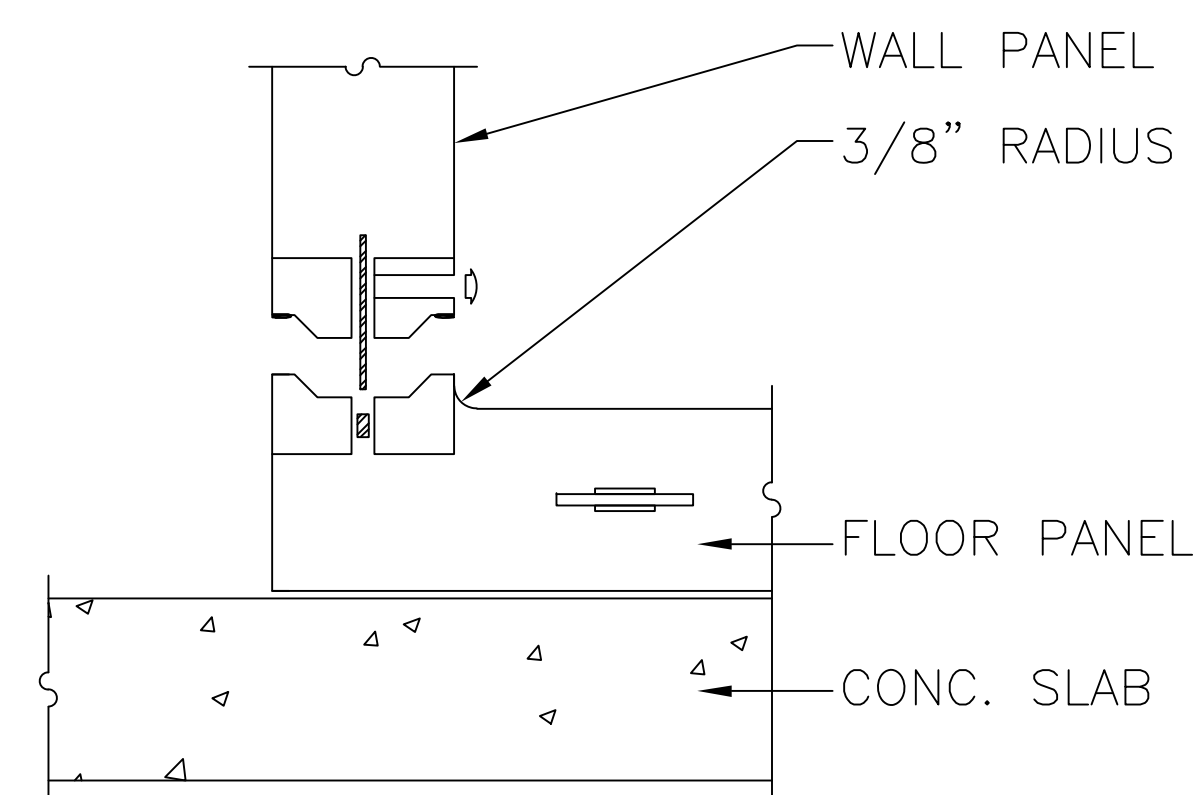
INTERNATIONAL INC.
2055 W 73rd Street, Miami, FL 33016
Ph: (305) 826-8696 Fax: (305) 826-9131


3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background from Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
NTS

Sheet

FS-10



			
9731 N.W. 114th WAY MIAMI, FL 33178		PHONE: (305) 883-5581 https://www.arcticwalkins.com	
Customer Name:			
UNI-SOURCE SUPPLY/EXC			
Project Name:		P.O# : _____	
BAHAMA MAR BAY			
Drawn By:	Checked By:	DRW No:	
CARMEN	JANET	Q152294-1	
Scale:	Created:	Sheet No:	
N/A	6/19/2019	4 OF 4	

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background from Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019

Drawn By
Dayne Gauntlett

Scale
NTS

Sheet

FS-11

**Baha Mar Bay
Building 22 F&B
Nassau, Bahamas**



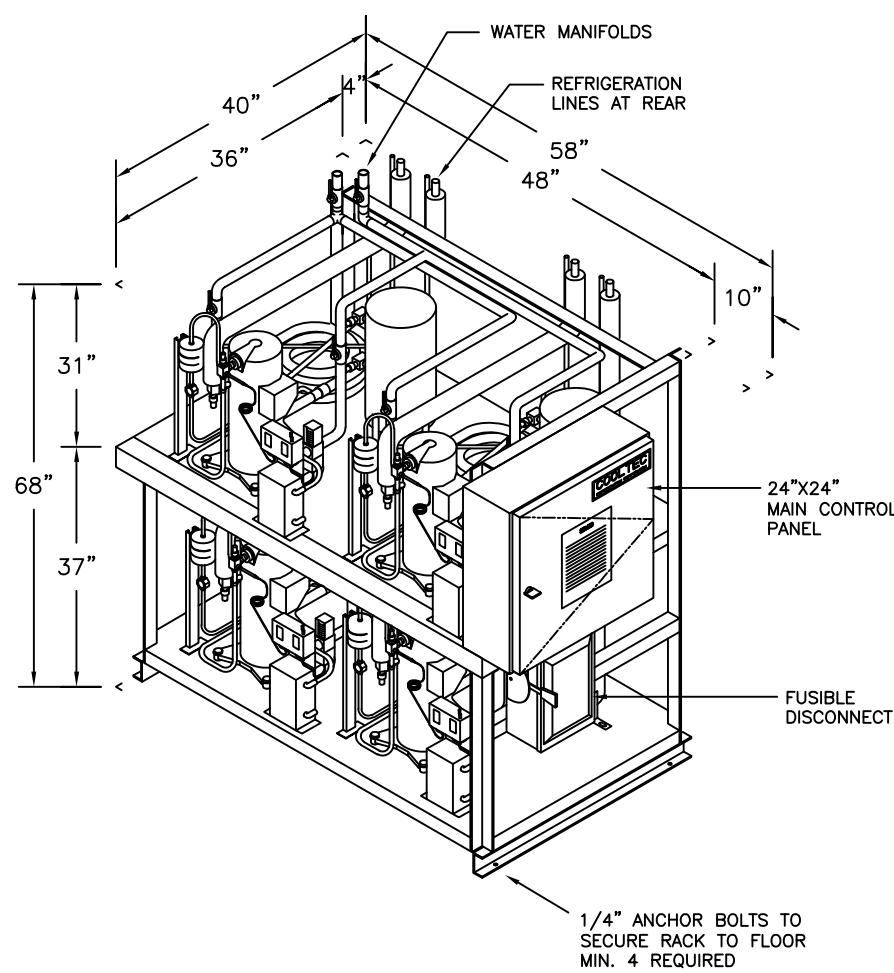
uni-source
SUPPLY
INTERNATIONAL INC.

2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

WATER COOLED INDOOR-PAK SYSTEM

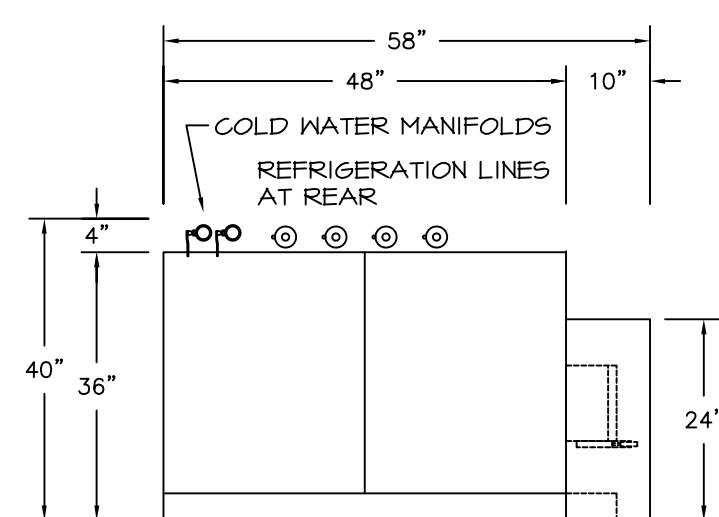
MODEL	TYPICAL OVERALL DIMENSIONS (IN.)		
	L	W	H
WIPD-4	58"	40"	68"

ALLOW 36" CLEAR AROUND UNIT
VERIFY ACCESS AND LOCATION OF RACK

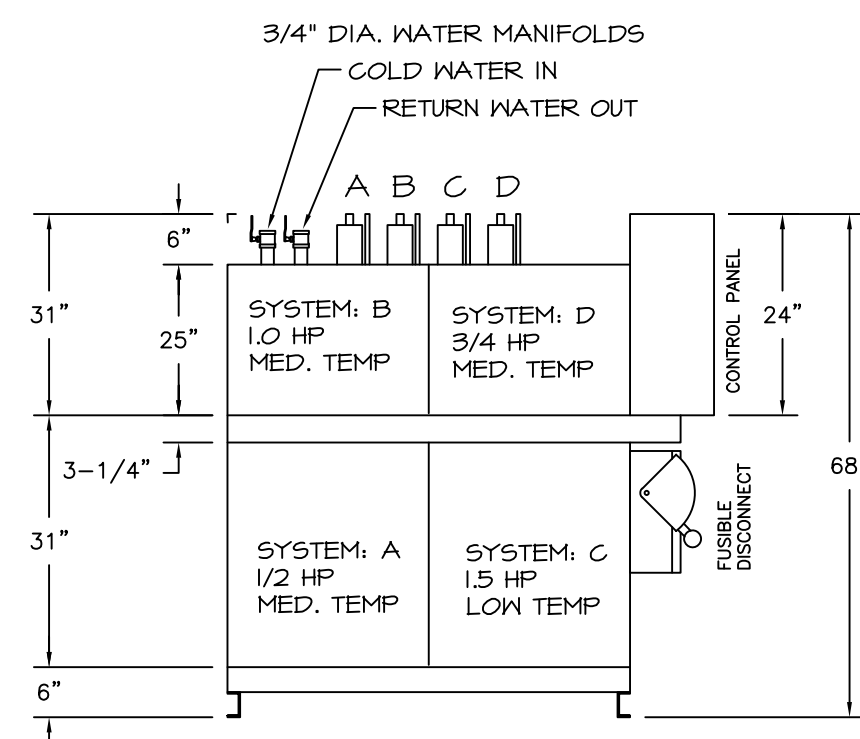


ESTIMATED WEIGHT (LBS.) 1300#

A WATER-COOLED INDOOR-PAK



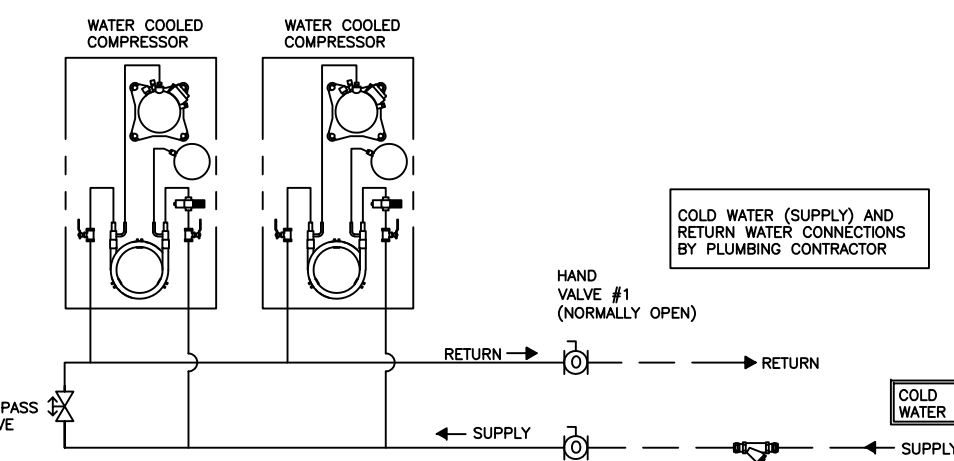
PLAN VIEW OF REFRIGERATION RACK



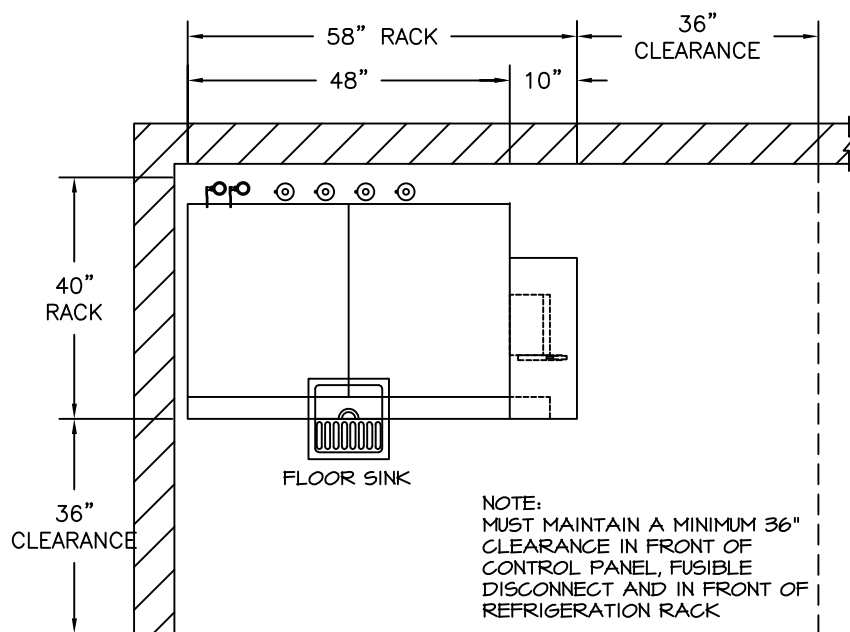
FRONT ELEVATION VIEW

B RACK DETAIL- DIAGRAM

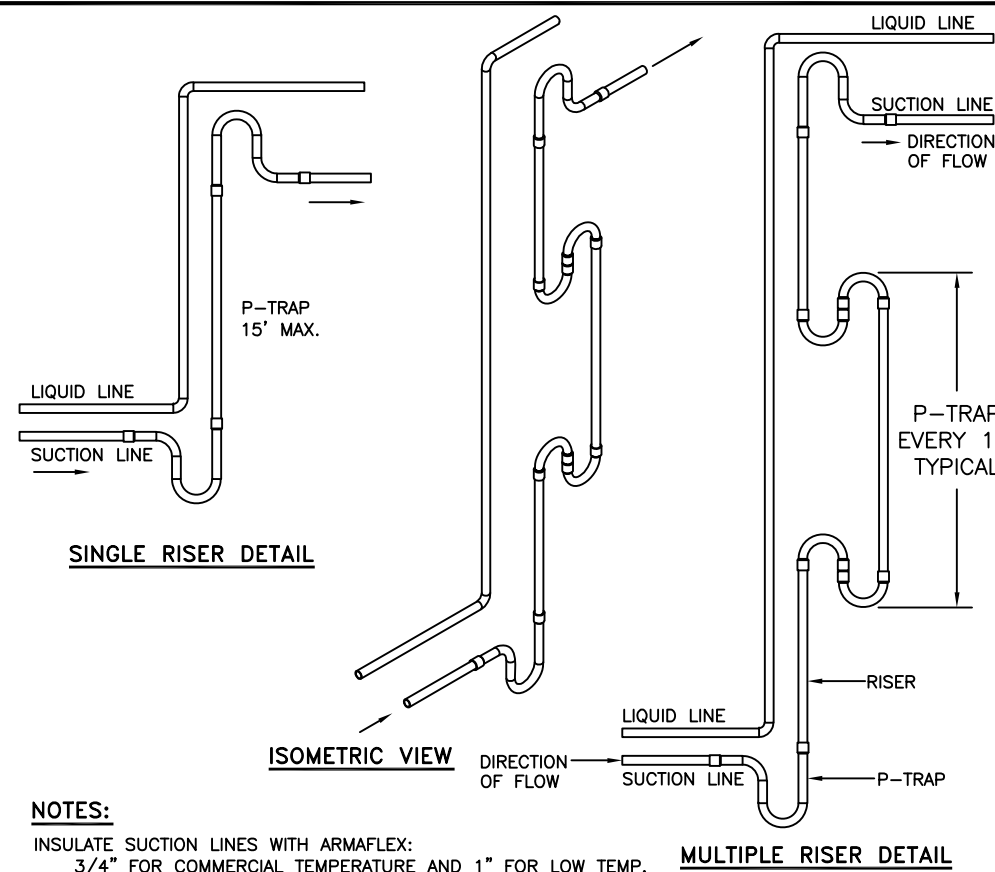
ITEM NO. 200
MODEL NO. WIPS-4
RACK SIZE: 58" x 40" x 68"
APPROX. TOTAL WEIGHT OF RACK: 1300 LBS.
HEAT OF REJECTION FROM WATER-COOLED RACK
TOTAL COLD WATER FLOW RATE: 9.7 GPM
COLD WATER IN AT 80°F
WATER OUT (RETURN) AT 95°F (15°F TD)
MAXIMUM WATER PRESSURE NOT TO EXCEED 125 PSIG.
PRESSURE DROP AT RACK AT 20 PSIG.
TOTAL HEAT OF REJECTION FROM RACK: 53.2 MBH
RACK'S WATER MANIFOLD PIPE LINE SIZES:
COLD WATER IN = 3/4" NOMINAL SIZE
RETURN WATER OUT = 3/4" NOMINAL SIZE
VENTILATION REQUIREMENT FOR COOLING IN-DOOR RACK
(room at 90°F ambient temperature)
TOTAL: 375 CFM REQUIRED



C CHILLED WATER PUMP FOR WATER COOLED SYSTEM



D CLEARANCE REQUIREMENT AROUND REFRIGERATION RACK



NOTES:
INSULATE SUCTION LINES WITH ARMAFLEX:
3/4" FOR COMMERCIAL TEMPERATURE AND 1" FOR LOW TEMP.
ALL JOINTS BRAZED WITH 55% SILVER CONTENT BRAZING ROD.
INSTALL 7" P-TRAP ON SUCTION LINE EVERY 15' OF EVERY VERTICAL RISE.
INSTALL INVERTED TRAP ON TOP OF THE RISE TO PREVENT OIL FROM SEEPING DOWN NOT TO EXCEED 45° VERTICALLY OVER ALL.

E TYPICAL P-TRAP DETAILS AND SUCTION LINE RISER DETAILS

COOLTEC ENGINEERING SUMMARY

SYSTEM	ITEM #	FIXTURES				REFRIGERANT R-134A	TYPE OF SYSTEM	COMPRESSORS						DEFOST	95°F						CONNECTED LOAD - 23.2 AMP						MINIMUM CAPACITY - 27.5 AMP						REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		DESCRIPTION	TEMP (°F)		MODEL			H.P.	RATING @ 60 Hz			ITEM #	QUANTITY		MODEL	UNIT COOLER				SYSTEM TOTAL POWER 208V, 60 Hz		LINE SIZE (O.D.) AND RUN		WATER SUPPLY		ACCESSORIES (SEE SUPPLY CODE *)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			FXT.	SST.					RLA	V	PH					MBH. (95°F)	1 # FAN	FLA	V	PH	AMPS	PH	ROUTE	SUCTION	LIQUID	LINE RUN LENGTH (FT.)	DISCH.	DRAIN	GPM (85°F)	WATER IN	WATER OUT	WATER PRESSURE		WATER TEMP	PRESS. CONTROL	STOP VALVE FOR SUC.	THERMOSTAT	SOLENOID VALVE	EXTRA VALVE	TIME CLOCK																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

CONDENSING UNIT
3352 FILE SA32027

MODEL NO. WIPD-4

NOTE: - ALL SYSTEMS ENGINEERED WITH R-448A REFRIGERANT. ANY BASES/COILS NOT SUPPLIED BY COOLTEC MUST BE EQUIPPED WITH R-448A EXPANSION VALVES.
- REFRIGERATION PIPE SIZES ARE BASED ON A MAXIMUM LINE RUN UP TO 100 EQUIVALENT FEET FOR LIQUID AND SUCTION LINES. VERIFY LINE LENGTHS WITH JOB SITE CONDITIONS AND LINE ROUTING AT INDIVIDUAL INSTALLATIONS. IF LINE RUNS ARE GREATER THAN 100 FEET, PLEASE CONTACT COOLTEC FACTORY.
- "COMPRESSOR MOTOR PROTECTED UNDER PRIMARY SINGLE PHASE PROTECTION"
- EFFECTIVE JANUARY 1, 2009, ALL WALK-IN COOLER AND FREEZER EVAPORATIVE COILS INSTALLED IN THE U.S.A. SHALL BE SUPPLIED WITH ENERGY EFFICIENT (EC) MOTORS BASED ON THE FEDERAL ENERGY INDEPENDENCE AND SECURITY ACT (HR-6).
- ELECTRICAL CONTRACTOR TO SUPPLY POWER FROM BUILDING AND CONNECT POWER TO WALK-IN EVAPORATIVE COILS' DEMAND DEFROST CONTROL AND TO DRAIN HEATER.

POWER REQUIRED FOR WALK-IN EVAPORATOR COIL DEMAND DEFROST CONTROL AND TO DRAIN HEATER.

POWER FROM BUILDING SUPPLIED BY ELECTRICAL CONTRACTOR

SYSTEM	DEFROST	ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING BY ELEC. CONTRACTOR			
						EVAP. COIL	DRAIN HEATER	TOTAL CONNECTED LOAD	
A	D	1	TRASH COOLER	1	ADT040AEK	0.9	115/1	0.9	115/1
B	D	14	WALK-IN COOLER	1	ADT104AEK	1.8	115/1	1.8	115/1
C	D	15	WALK-IN FREEZER	1	LET065BEK	7.8	208/1	12.8	208/1
D	D	16	BEER COOLER	1	ADT090AEK	1.8	115/1	1.8	115/1

NOTE: PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR. POWER FROM BUILDING.

CONSTRUCTION NOTES FOR TRADES

- GENERAL CONTRACTOR**
 - CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES.
 - GENERAL CONTRACTOR TO VERIFY AND CO-ORDINATE LOCATION OF REFRIGERATION RACK WITH REFRIGERATION CONTRACTOR TO SATISFY LOCAL CODE REQUIREMENTS AND MAINTENANCE OF THE RACK.
 - GENERAL CONTRACTOR TO VERIFY REFRIGERATION LINE RUNS THRU TO ROOF OR MULTI-STORY BUILDING PRIOR TO CONSTRUCTION WITH REFRIGERATION CONTRACTOR FOR ACCESSIBILITY.
 - GENERAL CONTRACTOR TO VERIFY ACCESS OF CRANE OR MECHANICAL LIFT WITH REFRIGERATION CONTRACTOR PRIOR TO CONSTRUCTION (IF REQUIRED).
 - GENERAL CONTRACTOR IS RESPONSIBLE TO HANG AND SUPPORT REFRIGERATION RACK OVER WALK-IN BOX.
 - GENERAL CONTRACTOR TO SUBMIT FOR APPROVAL AND PULL ALL PERMITS FOR HANGING THIS RACK.
 - GENERAL CONTRACTOR TO ALLOW 3'-0" (36") OF CLEAR SPACE AROUND REFRIGERATION RACK FOR MAINTENANCE.
 - ALL CORE DRILLING REQUIRED FOR REMOTE REFRIGERATION PIPING WORK BY THE REFRIGERATION CONTRACTOR, IS IN THE GENERAL CONTRACTOR'S SCOPE OF WORK. COORDINATE EXACT LOCATION AND NUMBER OF PENETRATIONS WITH THE REFRIGERATION CONTRACTOR AND COMPLY WITH ALL LANDLORD REQUIREMENTS FOR X-RAY OF SLAB PRIOR TO WORK.
 - ANY ATTACHMENT TO BUILDING STRUCTURE FOR LOAD BEARING WEIGHT TO BE PROVIDED AND CO-ORDINATED BY GENERAL CONTRACTOR.
- REFRIGERATION CONTRACTOR**
 - REFRIGERATION CONTRACTOR SHALL RUN ALL REFRIGERATION LINES WHICH EXTEND DOWN THRU WALL(S) BEFORE WALL(S) ARE CLOSED UP WHEN CONDUIT IS NOT PROVIDED.
 - REFRIGERATION CONTRACTOR TO SEAL BOTH ENDS OF CONDUIT WITH FOMOFIL AFTER ALL LINES HAVE BEEN RUN.
 - IF PULL BOX(ES) ARE SPECIFIED, THEY MUST BE A MINIMUM 12" x 12".
 - REFRIGERATION CONTRACTOR SHALL INSULATE ALL REFRIGERATION SUCTION LINES.
 - REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF BLOWER COIL(S) AND COMPRESSOR(S) FOR ALL REFRIGERATED AREAS.
 - REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF PITCH POCKET(S) FOR REFRIGERATION LINE PENETRATION THRU ROOF WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR TO INSTALL ALL PITCH POCKETS.
 - CONTRACTOR SHALL USE ONLY CLEAN DEFORMED, SEALED REFRIGERATION GRADE A.C.P. COPPER TUBING.
 - USE ONLY LONG RADIUS ELBOWS TO REDUCE FLOW RESISTANCE AND LINE BREAKAGE.
 - SILVER SOLDER AND/OR SIL-FOS SHALL BE USED ON ALL REFRIGERATION PIPING. SOFT SOLDER IS NOT ACCEPTABLE.
 - USE MINIMUM 30% SILVER SOLDER FOR DISSIMILAR METALS.
 - ALL PIPING MUST BE SUPPORTED WITH HANGERS THAT CAN WITHSTAND THE COMBINED WEIGHT OF TUBING, INSULATION, VALVES, AND FLUID IN THE TUBING.
 - USE NITROGEN IN THE COPPER TUBING DURING BRAZING TO PREVENT FORMATION OF COPPER OXIDES. LIQUID AND SUCTION LINES MUST BE FREE TO EXPAND INDEPENDENTLY OF EACH OTHER, DO NOT EXCEED 100 FEET WITHOUT A CHANGE IN DIRECTION OR AN OFFSET. PLAN PROPER PITCHING, EXPANSION ALLOWANCE, AND P-TRAPS AT THE BASE OF ALL SUCTION RISERS AND AT EVERY 15 FEET OF EVERY VERTICAL RISE. INSTALL SERVICE VALVES AT SEVERAL LOCATIONS FOR EASE OF MAINTENANCE. THESE VALVES MUST BE APPROVED FOR 450 PSI WORKING PRESSURE.
 - ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI WITH ALL VALVES OPEN AND HELD FOR 12 HOURS.
 - ELECTRONIC LEAK DETECTORS SHALL BE USED TO LOCATE ALL LEAKS.
 - COMPLETE SYSTEM SHALL BE EVACUATED TO 500 MICRONS WITH VACUUM PUMP BEFORE CHARGING THE SYSTEM.
 - ONCE SYSTEM IS CHARGED AND RUNNING, ADJUST ALL CONTROLS INCLUDING PRESSURE CONTROLS, EXPANSION VALVES, THERMOSTATS, AND TIME CLOCKS. RETURN AFTER 24 HOURS TO VERIFY PROPER OPERATION OF SYSTEMS.
 - REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER WITH INSULATION IN FREEZER TO BE CONNECTED BY ELECTRICAL CONTRACTOR.
 - REFRIGERATION SUCTION LINES OUTSIDE OF REFRIGERATED COMPARTMENTS, NOT RUN IN CONDUIT, SHALL BE INSULATED BACK TO COMPRESSOR WITH ARMAFLEX ARMA-FLEX AP-25/50 FOAMED PLASTIC INSULATION OR EQUAL IN ACCORD WITH DIRECTION OF THE MANUFACTURER. MINIMUM THICKNESS SHALL BE 3/4" INCH FOR COMMERCIAL TEMPERATURE AND 1.0 INCH FOR LOW TEMPERATURE.
 - FILL ROOF REFRIGERATION AND ELECTRICAL PITCH POCKETS WITH FOAM AND SEALANT.
 - REFRIGERATION CONTRACTOR TO SEAL ALL REFRIGERATION LINE PENETRATIONS MADE THRU WALK-IN COOLERS/FREEZERS, AND REFRIGERATED BASE SECTIONS OF COOLERS.
- ELECTRICAL CONTRACTOR**
 - ELECTRICAL CONTRACTOR TO PROVIDE MAIN POWER FOR THE REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEMS.
 - ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR MEDIUM AND LOW TEMPERATURE EVAPORATOR COILS. POWER FROM BUILDING. PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER IN THE FREEZER.
 - ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE ACCORDANCE WITH THE WIRING DIAGRAM AND PER LOCAL CODES.
 - IF CONTRACTED, ELECTRICAL CONTRACTOR TO INSTALL ALL CONDUITS FOR REFRIGERATION LINES IN WALLS, PRIOR TO WALLS ARE CLOSED UP. ALL PULL BOXES MUST BE A MINIMUM OF 12" x 12".
- PLUMBING CONTRACTOR**
 - PLUMBING CONTRACTOR TO PROVIDE "CHILLED" WATER SUPPLY AND RETURN WATER TO REFRIGERATION PACKAGE.
 - PLUMBING CONTRACTOR TO PROVIDE TYPE "M" COPPER DRAIN LINES FOR WALK-IN REFRIGERATOR AND FREEZER, PITCHED 1/2 INCH PER FOOT OF RUN. IN FREEZER, HEATED DRAIN LINE MUST BE INSULATED TO PREVENT FREEZING. TRAP DRAIN LINES OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AND MOIST AIR.
 - CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR IN THE PLANS.
 - ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES.
 - PLUMBING CONTRACTOR TO INSTALL A SECONDARY "BACK-UP" COLD WATER SUPPLY AND RETURN WATER IN CASE PRIMARY CHILLED WATER AND RETURN WATER FAIL OR IS TEMPORARILY TURNED OFF.
 - PLUMBING CONTRACTOR TO SUPPLY AND MOUNT A UNION FITTING BELOW EACH EVAPORATIVE BLOWER COIL'S DRAIN LINE FOR DISCONNECTING AND SERVING PURPOSES.

MECHANICAL ROOM

REV LEVEL	DESCRIPTION	DATE
1	RESUBMITAL DRAWING	07/11/19

DRAWING APPROVAL

"PRODUCTION LEAD TIME:
4-6 WEEKS AFTER RECEIPT
OF APPROVED DRAWINGS AND
PURCHASE ORDER.
SEND APPROVED DRAWING TO
"KATHERINE SANCHEZ"

APPROVED BY: _____
DATE: _____

COOLTEC

DRAWING TITLE:

REFRIGERATION PLAN

PROJECT NAME:

BAHA MAR

WATER PARK

RESORT POOL

BAHAMAS

DRAWN BY	APO
CHECKED BY	PAUL BEDI
DATE	01/30/2019
DRAWING NO.	CTR2403
SHEET	R-1
1 OF 2 SHEETS	

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

No.	Revision/Issue	Date
3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
NTS

Sheet
FS-12

Baha Mar Bay
Building 22 F&B
Nassau, Bahamas



2055 W 73rd Street, Miami, FL 33016
Ph:(305)826-8696 Fax:(305)826-9131

3	VE Changes from 5-29-2019 meeting in Nassau	5-30-19
4	Added Plumbing and Electrical Comparisons	6-13-19
5	New Background From Brad 6-28-2019	7-01-19
6	Added Equipment Requirement Drawings	7-15-19
No.	Revision/Issue	Date

Date
July 15, 2019
Drawn By
Dayne Gauntlett
Scale
NTS

Sheet
FS-13

REV LEVEL	DESCRIPTION	DATE
Δ	RESUBMITTAL DRAWING	07/11/19

DRAWING APPROVAL
"PRODUCTION LEAD TIME: 4-6 WEEKS AFTER RECEIPT OF APPROVED DRAWINGS AND PURCHASE ORDER. SEND APPROVED DRAWING TO "KATHERINE SANCHEZ"
APPROVED BY: _____
DATE: _____

COOLTEC

DRAWING TITLE:
REFRIGERATION PLAN
PROJECT NAME:
BAHA MAR RESORT POOLS NASSAU, BAHAMAS

DRAWN BY: APO
CHECKED BY: PAUL BEDI
DATE: 01/30/2019
DRAWING NO.: CTR2403
SHEET **R-2**
2 OF 2 SHEETS

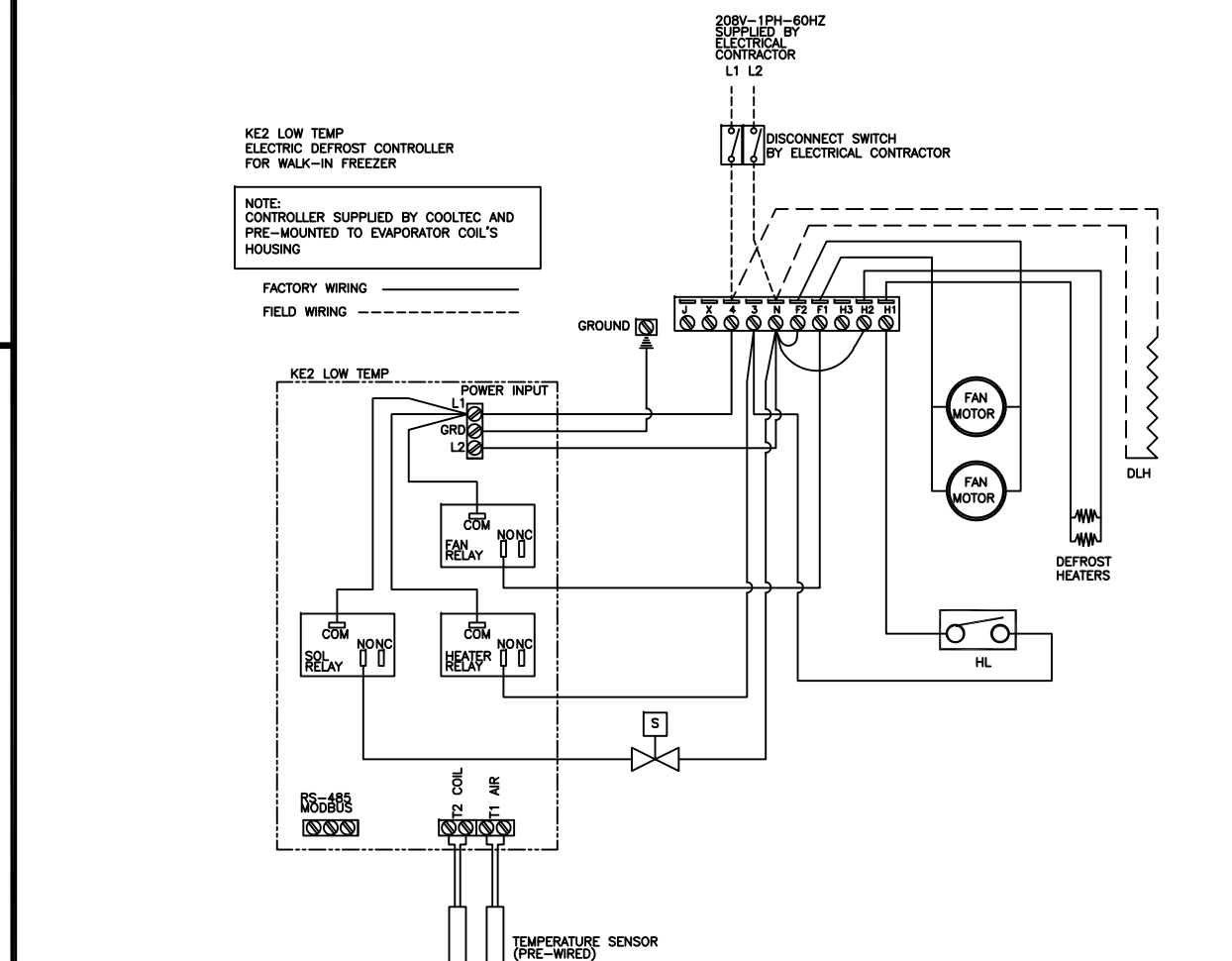
POWER REQUIRED FOR WALK-IN EVAPORATOR COILS DEMAND CONTROL AND TO DRAIN HEATERS.
POWER FROM BUILDING SUPPLIED BY ELECTRICAL CONTRACTOR

SYSTEM	DEFROST	ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING BY ELEC. CONTRACTOR			
						EVAP. COIL	DRAIN HEATER	TOTAL LOAD	
C	D	15	WALK-IN FREEZER	1	LET065BEK	7.8	208/1	5.0	208/1

NOTE: PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR. POWER FROM BUILDING.

INSTALLING THE SENSORS (BY REFRIGERATION CONTRACTOR):
AIR SENSOR (T1)
A. USE THE STAINLESS STEEL BRACKET AND SELF-PIERCING SCREW FROM THE ACCESSORY KIT.
B. THE SINGLE LOOPS END IS DESIGNED TO BE MOUNTED WITH THE SCREW INCLUDED.
C. THE END WITH MULTIPLE LOOPS IS DESIGNED TO HOLD THE SENSOR.
D. LOCATE THE BEST PLACE TO INSTALL THE SENSOR.
E. THE SENSOR SHOULD BE LOCATED BETWEEN 8 AND 12 INCHES AWAY FROM THE FACE OF THE EVAPORATOR. THE DISTANCE PREVENTS THE SENSOR FROM THE HEATING ELEMENTS DURING THE DEFROST CYCLE, BUT CLOSE ENOUGH TO ACCURATELY SENSE THE RELATIVE AIR TEMPERATURE.
F. THE SENSOR BRACKET MAY BE BENT AS NECESSARY TO LOCATE THE SENSOR IN THE PROPER POSITION.

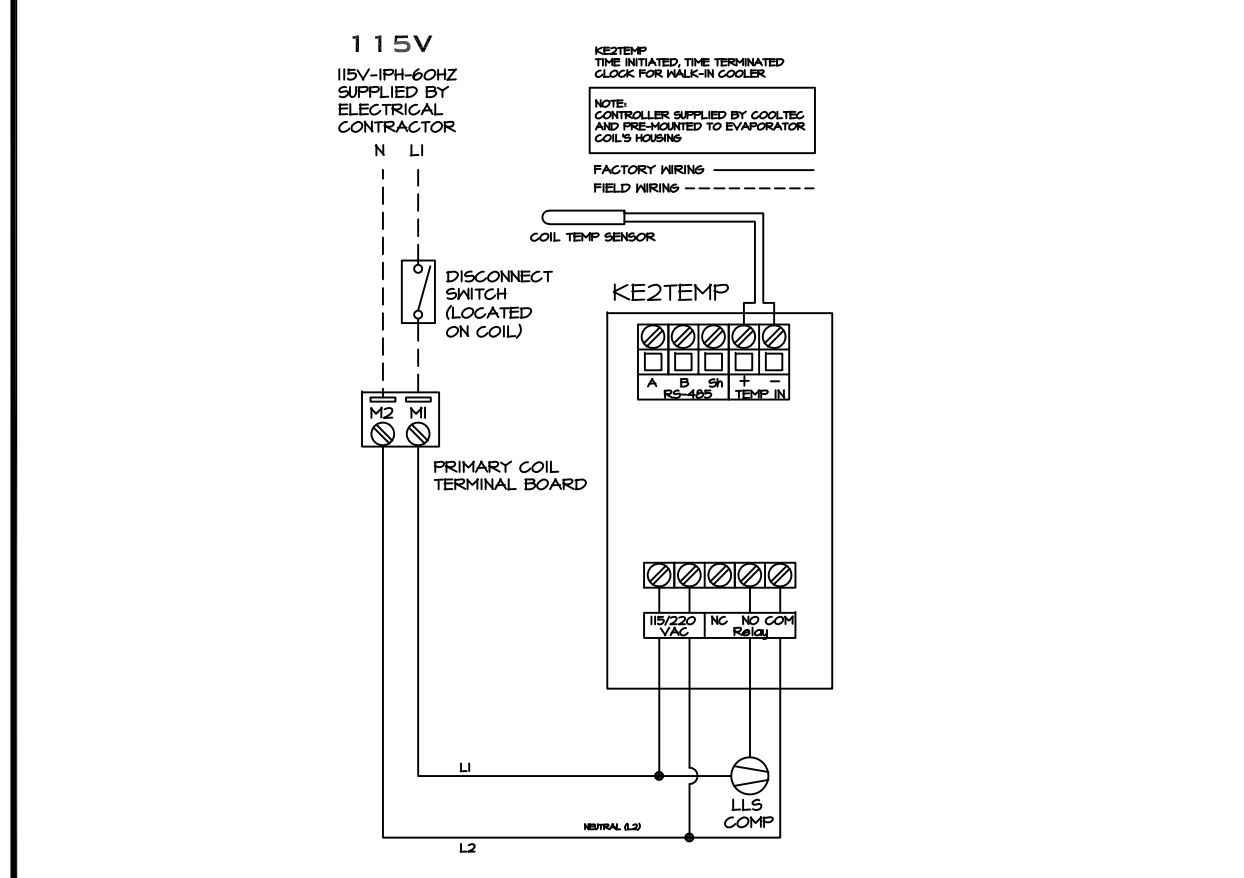
COIL SENSOR (T2)
A. LOCATION OF THIS SENSOR IS AT THE FACE SIDE OF THE COIL'S CONDENSER, 1 TO 1-1/2 INCHES FROM THE RIGHT OR LEFT SIDES OF THE ACTIVE COIL SURFACE, AND IN THE 1/3 BOTTOM SECTION OF THE CONDENSER.
THE SENSOR NEEDS TO BE AS FAR AWAY FROM THE DEFROST HEAT SOURCES AS POSSIBLE.
NOTE: INSERT PLUG (ITEM 6 FROM THE PARTS LIST) INTO THE COIL HOUSING WHEN MOUNTING THE SENSOR WIRE TO PREVENT DAMAGE TO THE SENSOR FROM SHARP EDGES. THE PLUG IS PROVIDED SHOULD BE INSERTED INTO THE INNER HOUSING TO ACCESS THE COIL. INSTALLER MUST PUNCTURE PLUG TO INSERT SENSOR



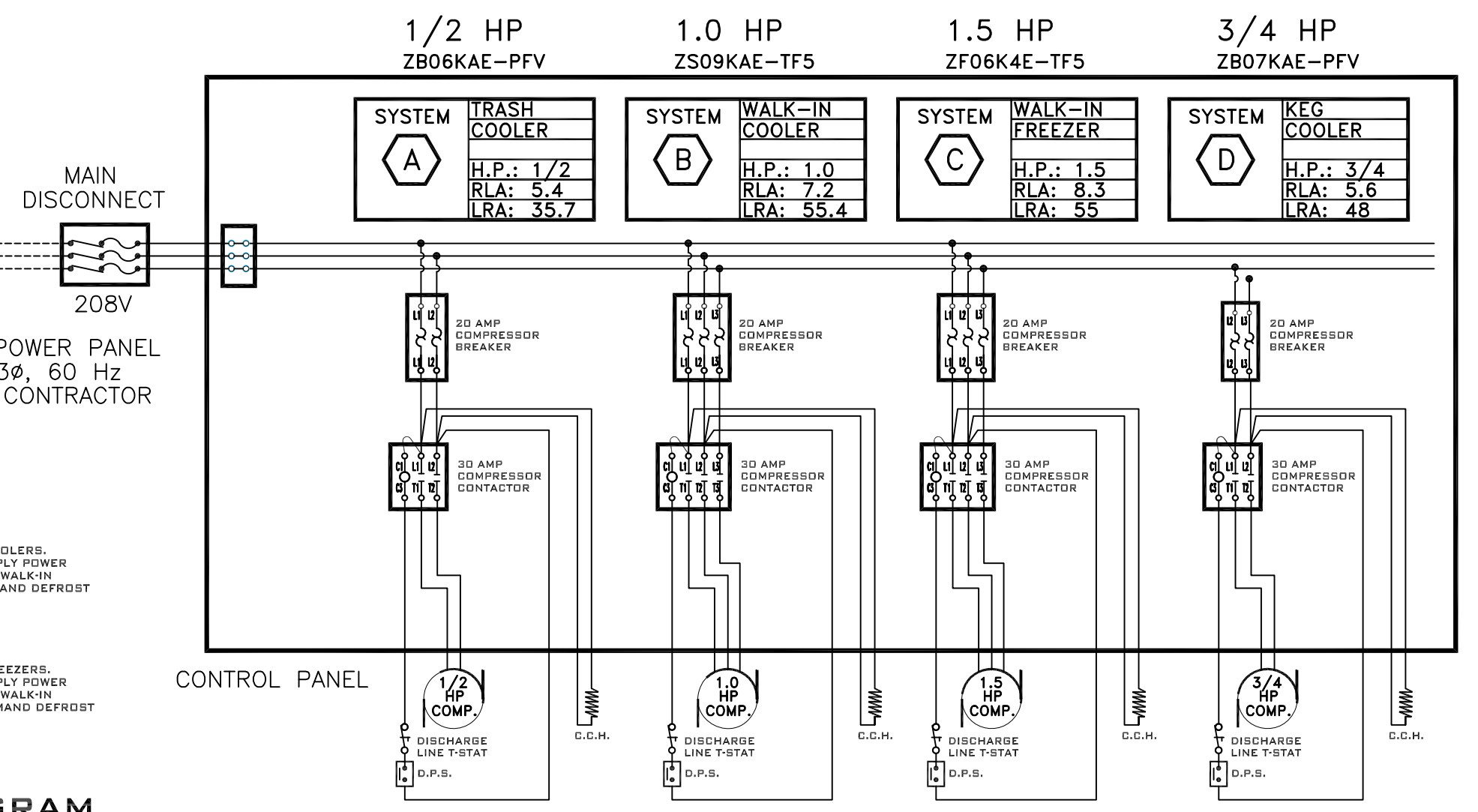
DEMAND DEFROST- KE2 LOW TEMP
WIRING DIAGRAM FOR FREEZER COIL

POWER REQUIRED FOR MEDIUM TEMPERATURE EVAPORATOR COILS.
POWER FROM BUILDING SUPPLIED BY ELECTRICAL CONTRACTOR

SYSTEM	DEFROST	ITEM #	DESCRIPTION	QUANTITY	MODEL	POWER FROM BUILDING	
						RLA	VOLTAGE
A	D	1	TRASH COOLER	1	ADT040AEK	0.9	115/1
B	D	14	WALK-IN COOLER	1	ADT104AEK	1.8	115/1
D	D	16	KEG COOLER	1	ADT090AEK	1.8	115/1



DEMAND DEFROST- KE2 MED TEMP
WIRING DIAGRAM FOR COOLER COIL

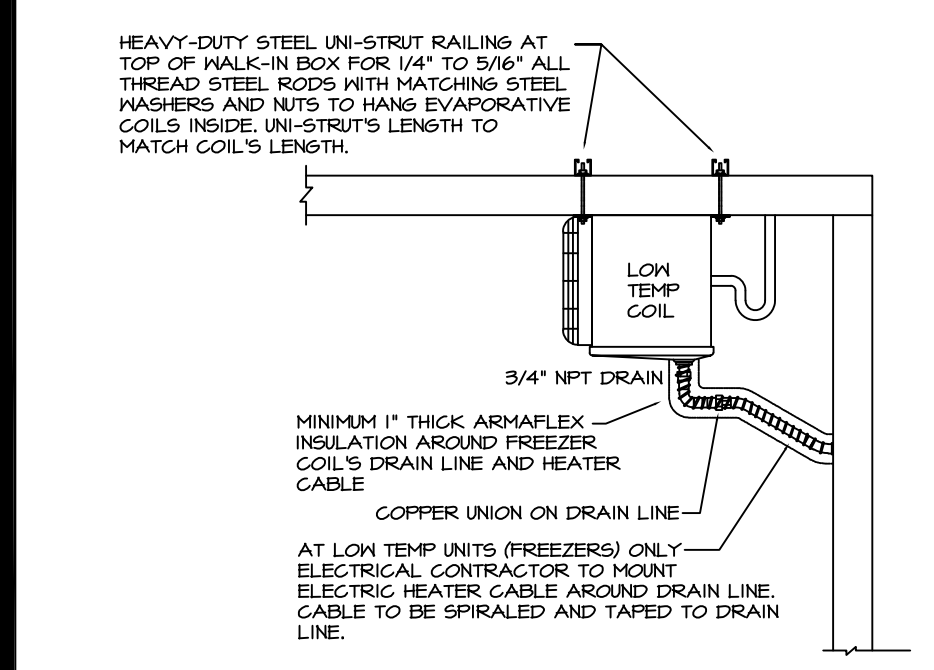
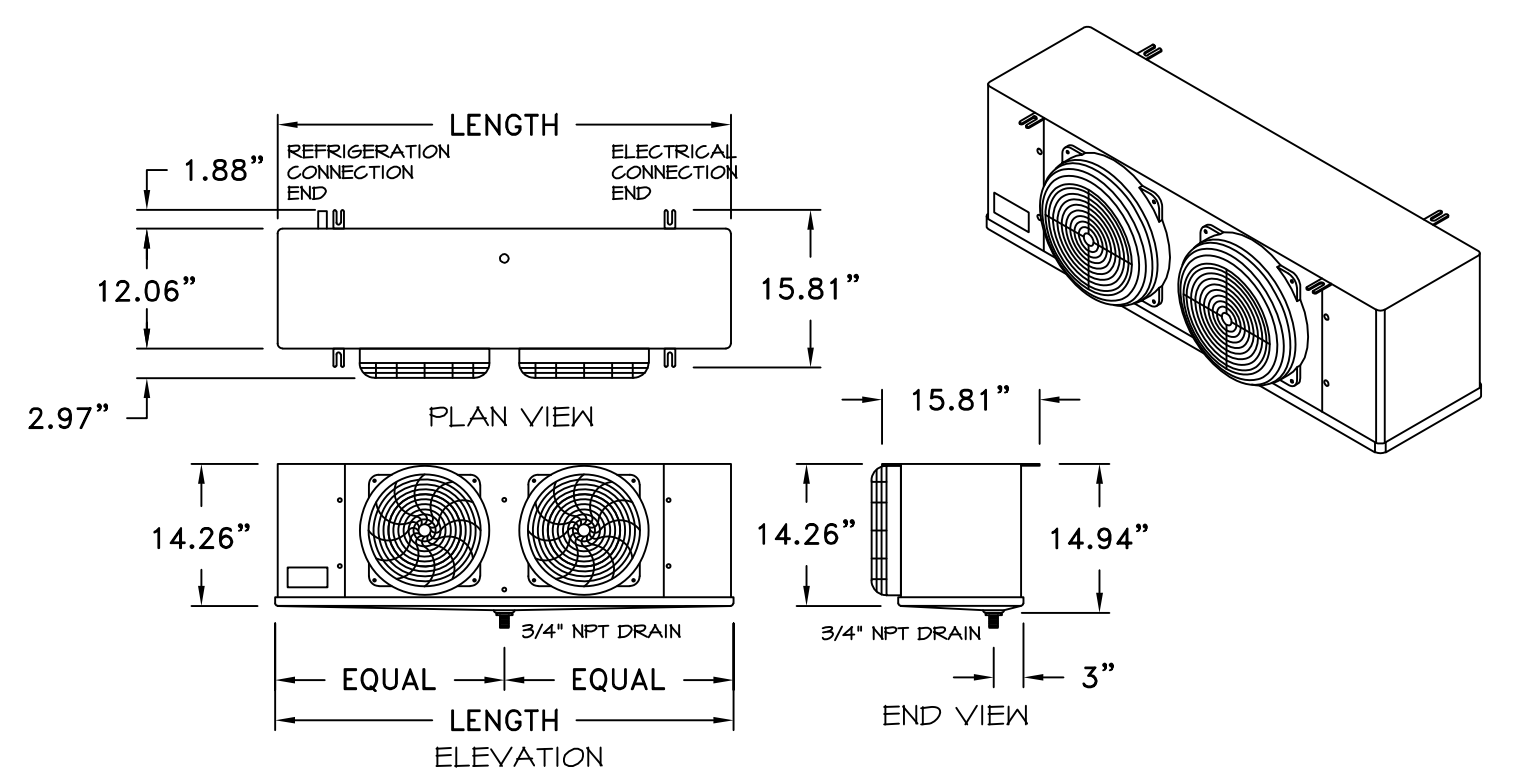


WIRING DIAGRAM

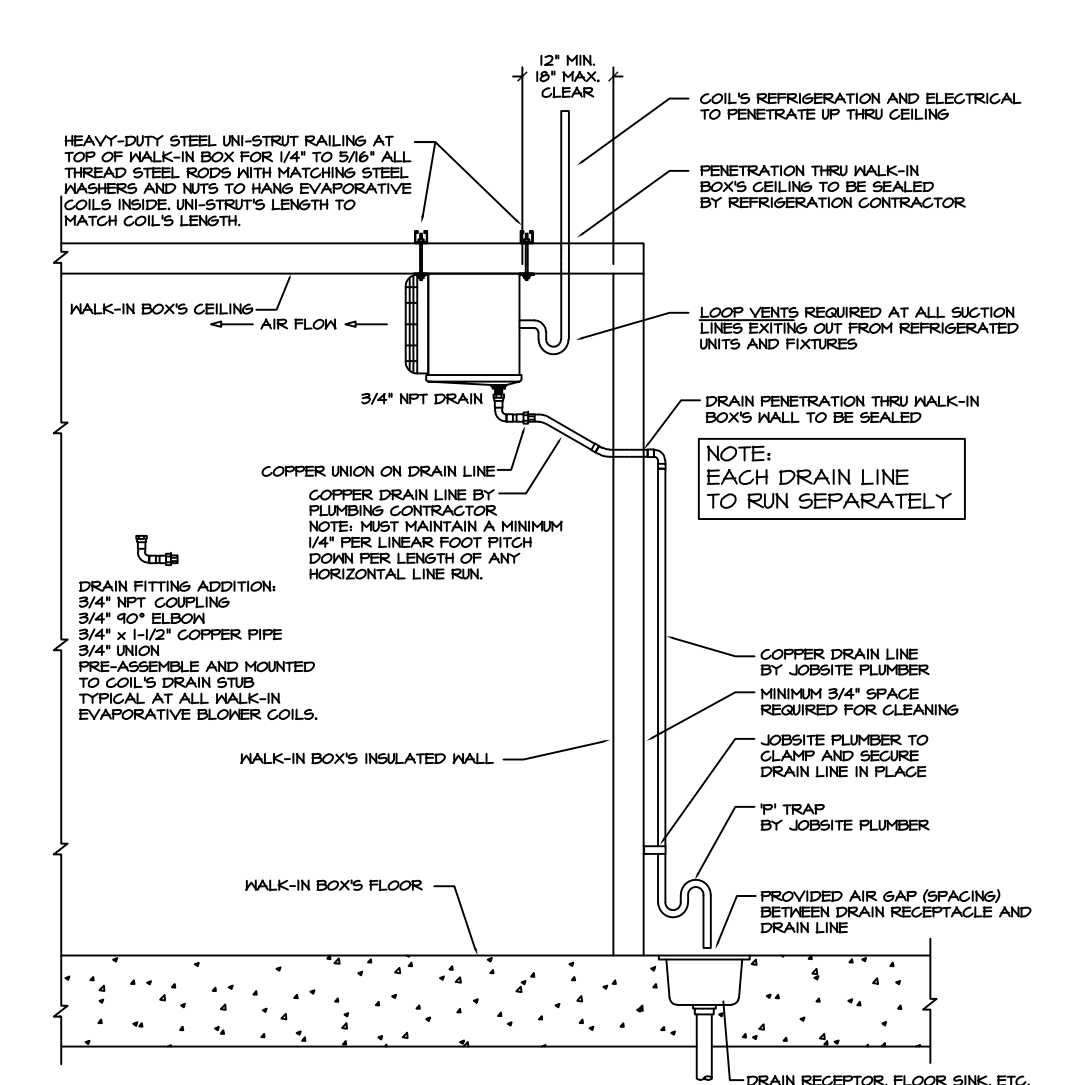
MODELS: ADT / LET

SYSTEM	UNIT MODEL No.	CAPACITY BTU	LENGTH	QTY.	FANS				CONNECTIONS (in.)			APPROX. SHIP WT. (Lbs.)
					EC MOTOR	EC MOTOR	ELEC DEFROST		COIL INLET OD	SUCTION ID	DRAIN MPT	
A	ADT040AEK	4000	29-1/2"	1	730	0.9	---	---	1/2"	5/8"	3/4"	28
B	ADT104AEK	10400	45-1/2"	2	1400	1.8	---	---	1/2"	7/8"	3/4"	49
C	LET065BEK	6500	45-1/2"	2	1400	---	1.0	7.8	1/2"	5/8"	3/4"	43
D	ADT090AEK	9000	45-1/2"	2	1460	1.8	---	---	1/2"	7/8"	3/4"	48

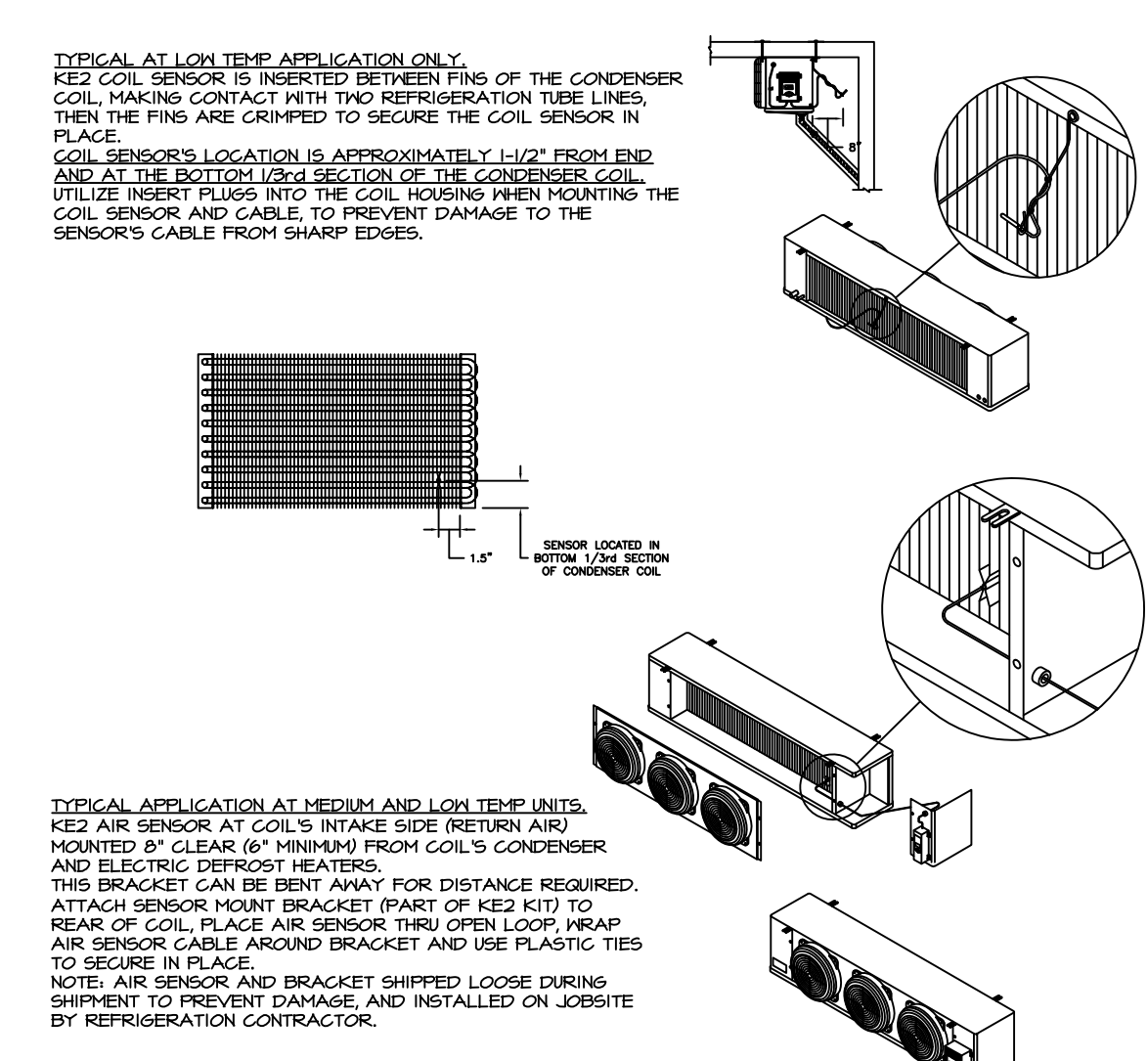
UNIT COOLER DETAIL



WALK-IN'S FREEZER
CONDENSATE DRAIN LINE



WALK-IN'S COIL MOUNT AND
CONDENSATE DRAIN LINE



KE2 LOW TEMP
SENSOR MOUNT DETAILS