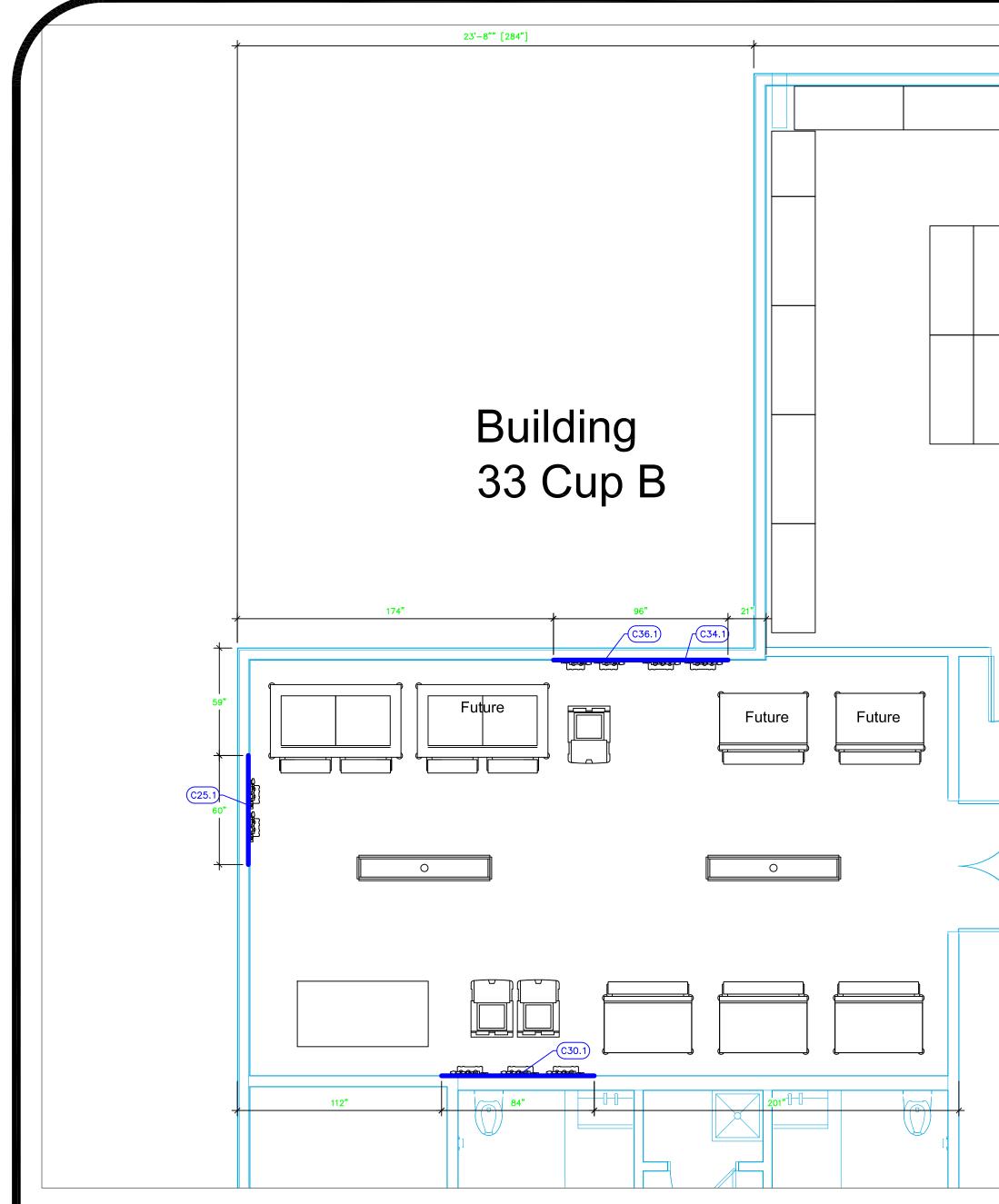


ItemNo	Category	Mfr	Model	Quantity	Equipment Remarks
1	Scale	Detecto	FH-544F-180	1	
2	Bun / Sheet Pan Rack	Advance Tabco	PR20-3W	4	
3	Two (2) Compartment Sink	Advance Tabco	FS-2-3024-24R	1	
3.1	Wall / Splash Mount Faucet	Krowne	14-812L	1	
4	Hand Sink	Advance Tabco	7-PS-68-1X	1	
5-9	Spare Number				
10	Walk-in Cooler/Cooler/Freezer	Arctic Industries	WALKIN-161852 V.004	1	
11	Refrigeration System, Remote	Cooltec	WIPS-6	1	
11.1	Evaporator Coil	Cooltec	EVAP COOLER	1	
11.2	Evaporator Coil	Cooltec	EVAP COOLER	1	
11.3	Evaporator Coil	Cooltec	ECAP FREEZER	1	
12-14	Spare Number				
15	Wire Shelving Unit	NEXEL	24606N	16	
16	Wire Shelving Unit	NEXEL	24606N	16	
17	Wire Shelving Unit	NEXEL	24606N	14	
18	Wire Shelving Unit	NEXEL	24606N	14	
19-24	Spare Number				
25	Ice Flaker	Hoshizaki	F-1501MWJ	2	
25.1	Water Filtration System, for Ice Machines	Everpure	EV932402	2	
26	Spare Number				
27	Ice Bin for Ice Machines	Follett	ITS1350SG-60	1	
28	Floor Trough	Emjac	F34510-28	2	
29	Ice Bin / Ice Caddy , Mobile	Cambro	ICS125LB110	3	
30	Ice Maker, Cube-Style	Hoshizaki	KM-1900SWJ3	3	
30.1	Water Filtration System, for Ice Machines	Everpure	EV932503	3	
31	Ice Bin for Ice Machines	Follett	DEV1300SG-48-ICS125	3	
34	Ice Maker, Cube-Style	Hoshizaki	KM-1900SWJ3	2	Future
34.1	Water Filtration System, for Ice Machines	Everpure	EV932503	2	Future
35	Ice Bin for Ice Machines	Follett	DEV1300SG-48-ICS125	2	Future
36	Ice Flaker	Hoshizaki	F-1501MWJ	2	Future
36.1	Water Filtration System, for Ice Machines	Everpure	EV932402	2	Future
37	Ice Bin for Ice Machines	Follett	DEV2100SG-72-75	1	Future

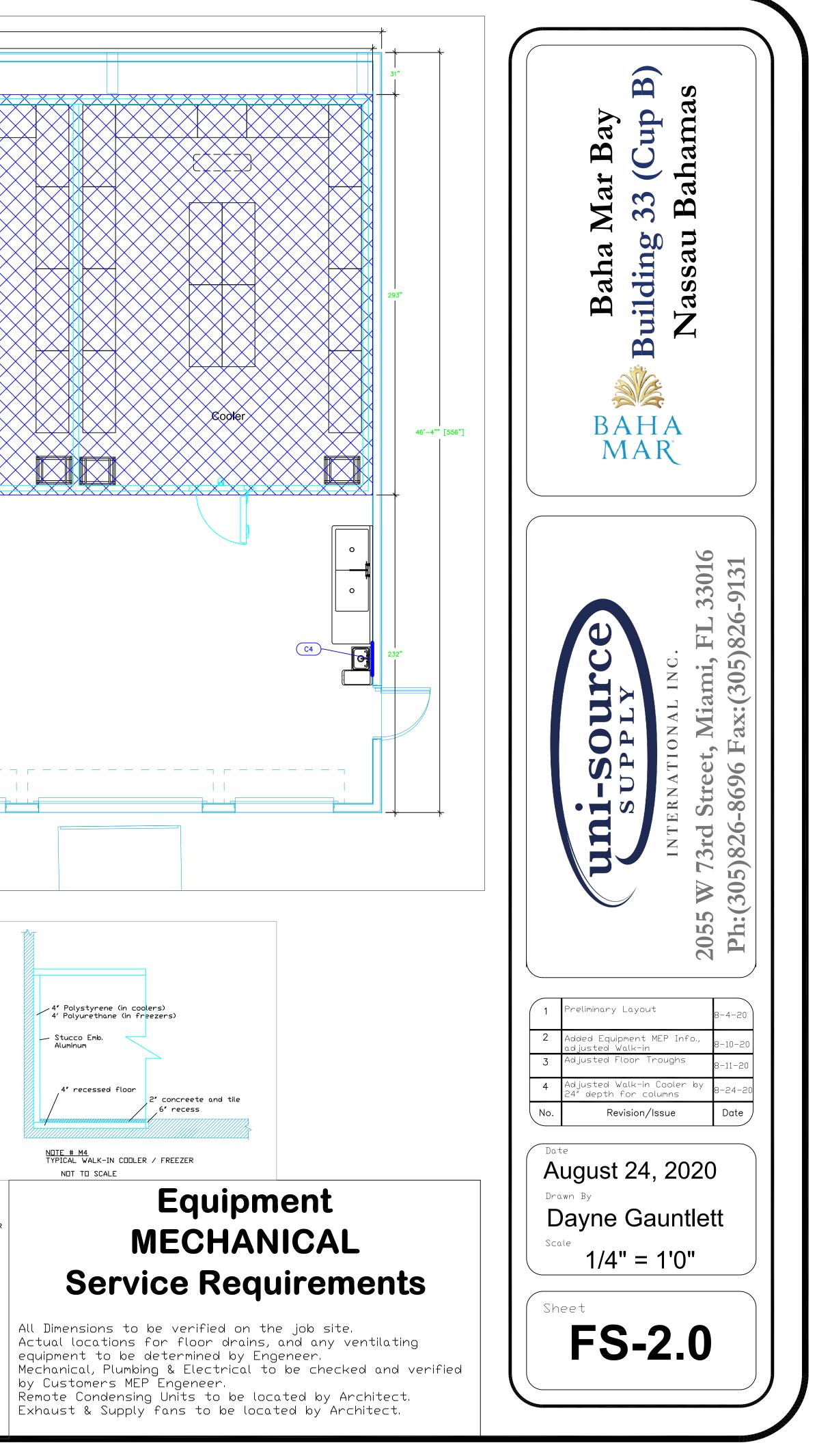


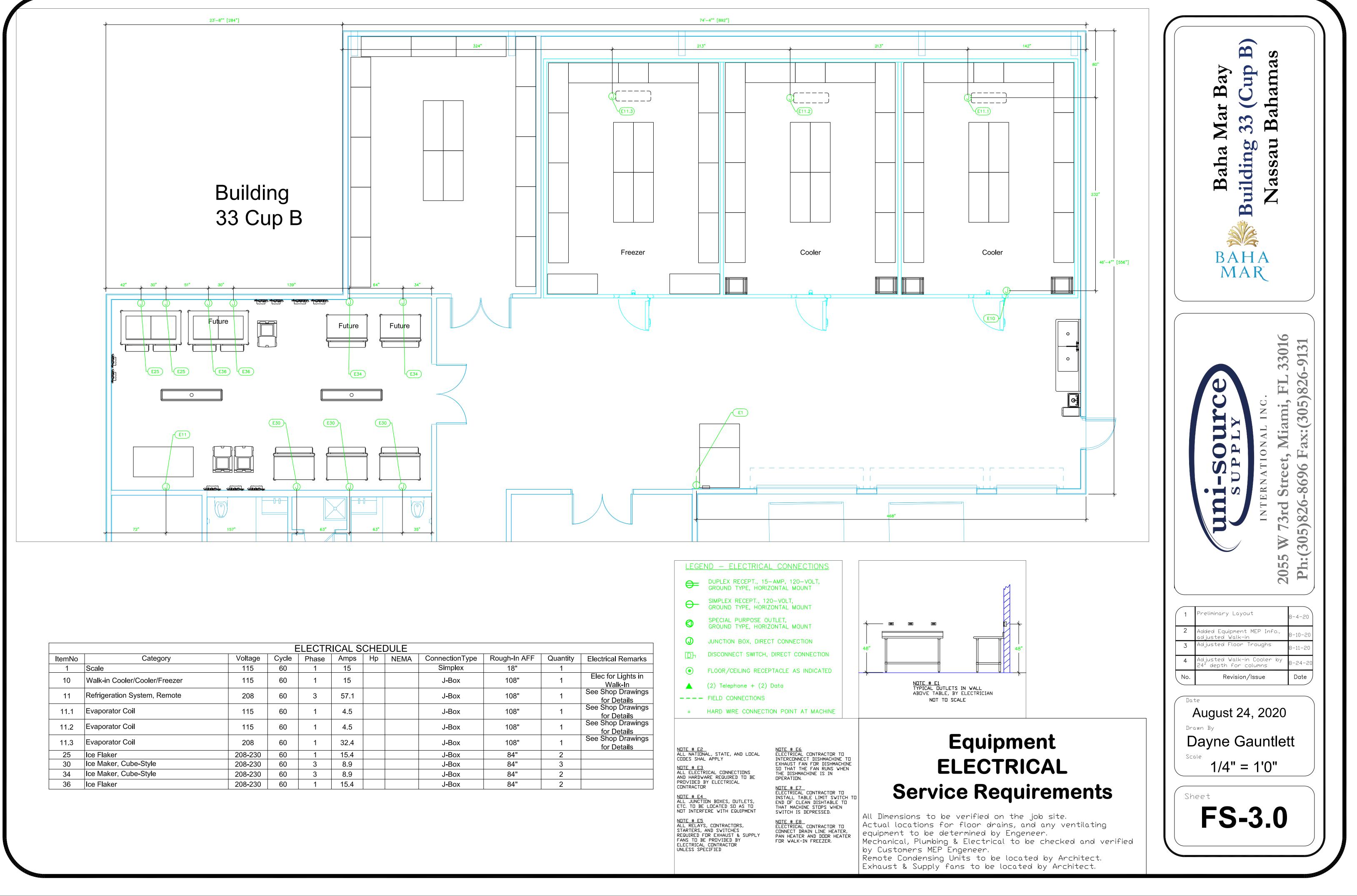
	Mechanical Schedule														
ITEM NO.	QTY	DISCRIPTION	EXHAUST (L X W)	EXHAUST (CFM)	Makeup Vent Width	SUPPLY (CFM)	Ventilation Remarks								
4	1	Hand Sink					Wall Backing See Note M9								
10	1	Walk-in Cooler/Cooler/Freezer					Recessed Floor See Note M4								
25.1	2	Water Filtration System, for Ice Machines					Wall Backing See Note M9								
30.1	3	Water Filtration System, for Ice Machines					Wall Backing See Note M9								
34.1	2	Water Filtration System, for Ice Machines					Wall Backing See Note M9								
36.1	2	Water Filtration System, for Ice Machines					Wall Backing See Note M9								

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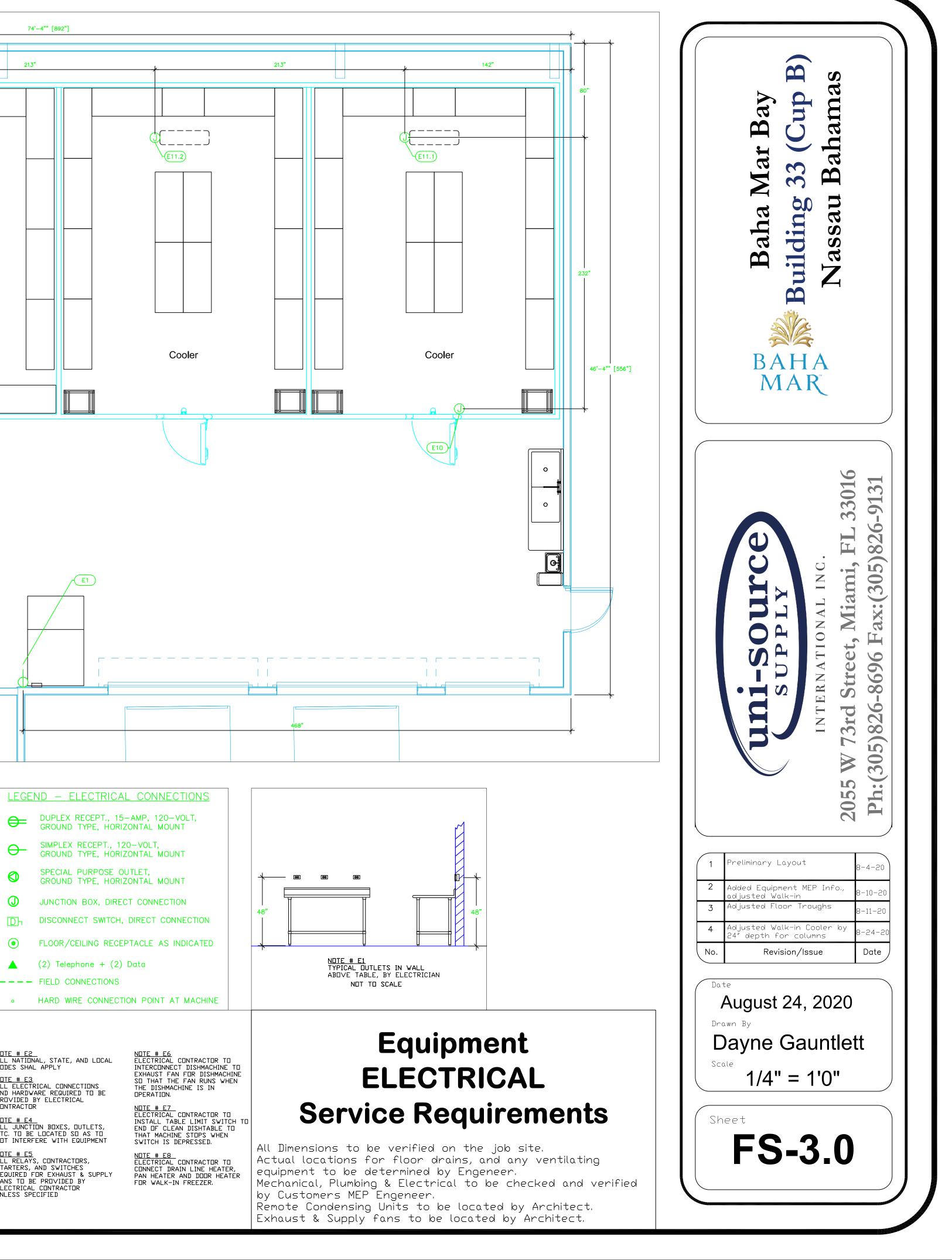
LEGEND – MECH		✓ 4" Polystyrene (in coolers)
SUPPLY DUCT COL		4' Polyurethane (in freezers) Stucco Emb. Aluminum
INWALL BACKING F	OR WALL SHELVES	
RECESSED FLOOR		4" recessed floor 2" con
RAISED EQUIPMENT	PAD	6' r
		<u>NDTE # M4</u> TYPICAL WALK-IN CODLER / FREE
		NOT TO SCALE
NDTE # M5 ALL NATIONAL, STATE, AND LOCAL CODES SHAL APPLY NOTE # M6 ARCHITECT OR ENGINEER TO SIZE AND LOCATE, CONTRACTOR TO PROVIDE ALL OPENINGS FOR DUCTS, PLUMBING LINES, ELECTRICAL LINES, AND REFRIGERATION LINES, AS REQUITED BY EQUIPMENT.	NOTE # M8 SHOP DRAWING WILL BE PROVIDED BY MANUFACTURER FOR HOOD, EXHAUST FANS, & SUPPLY FANS, DNCE ORDER IS PLACE WITH. NOTE # M9 GENERAL CONTRACTOR TO PROVIDE & PLYWOOD WALL BACKING FROM 42" TO 78" AFF FOR ALL WALL MOUNTED EQUIPMENT.	E ME Service
NDTE # M7_ SUPPLY FANS TO BE LOCATED A MINIMUM OF 10' FROM EXHAUST FANS.	N⊡TE # M10 CEILING HEIGHTS T□ BE VERIFIED FOR SUFFICIENT CLARENCE FOR EQUIPMENT. N⊡TE # M11 REFRIGERATION CONTRACTOR T□ HANG EVAPORATORS FOR WALK-IN, RUN & CHARGE LINES BETWEEN EVAP. & CONDENSING UNIT.	All Dimensions to be v Actual locations for equipment to be dete Mechanical, Plumbing & by Customers MEP Eng Remote Condensing Un

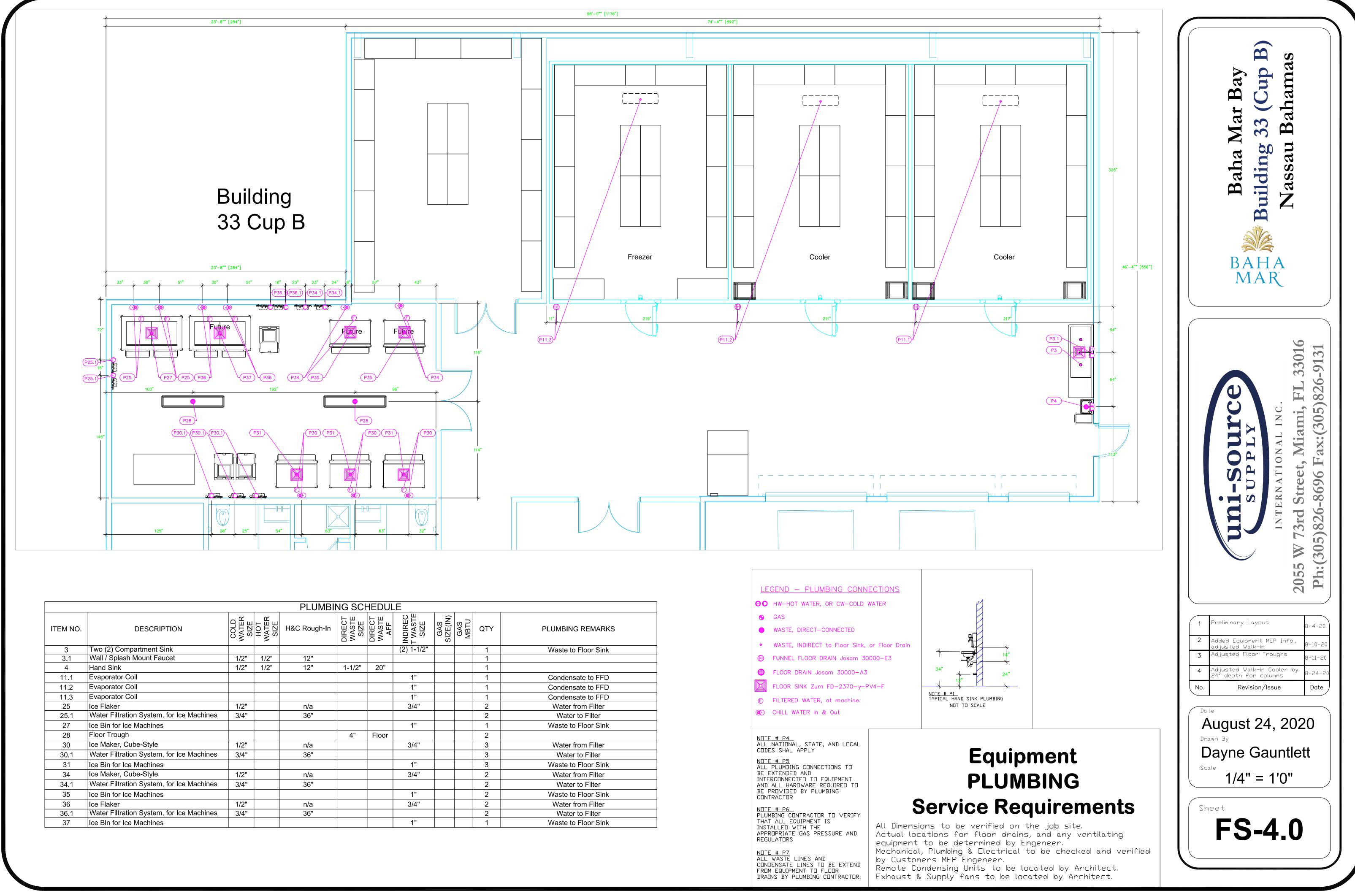
647"





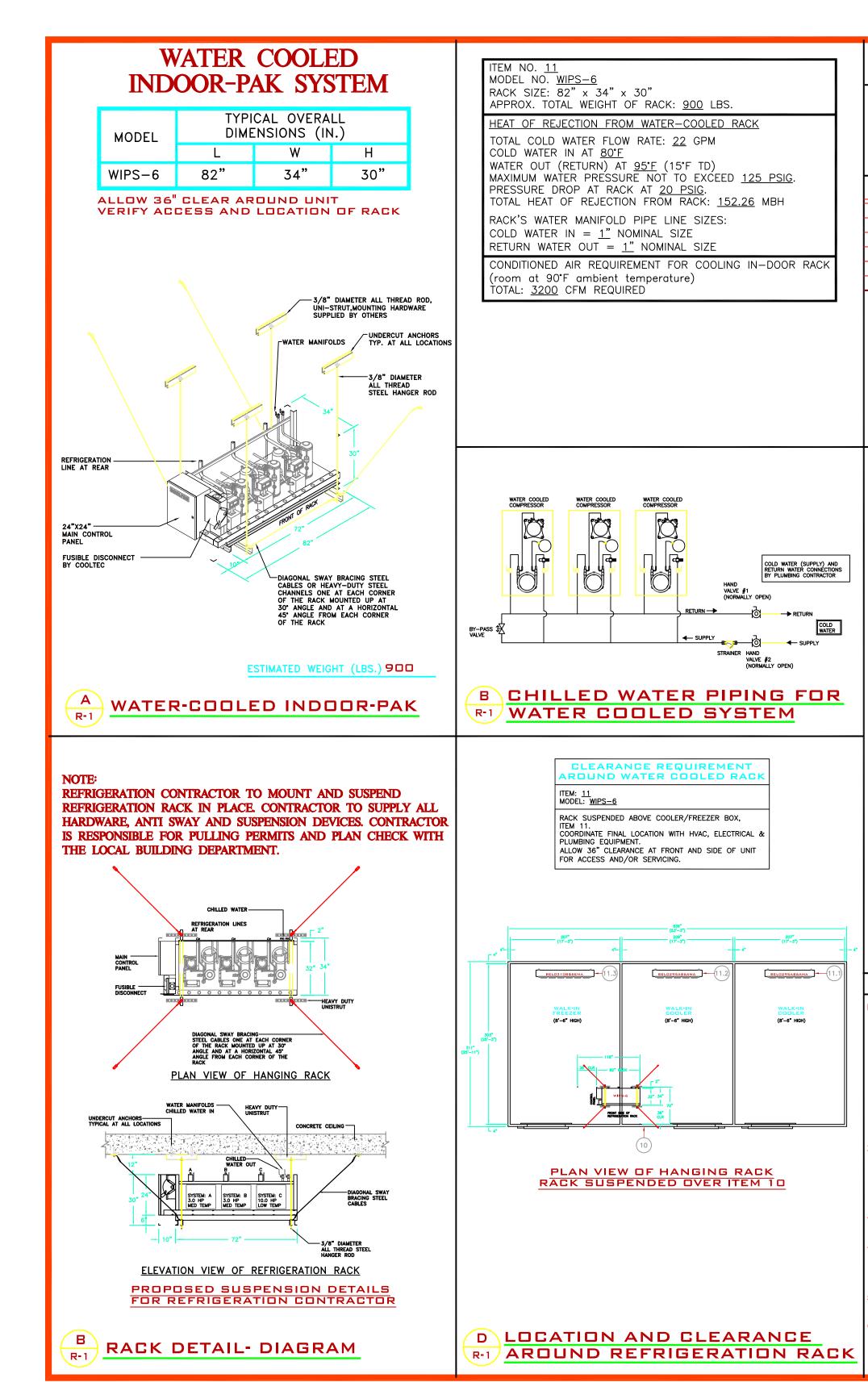
			E	ELECTR	RICAL S	CHE	DULE				
ItemNo	Category	Voltage	Cycle	Phase	Amps	Нр	NEMA	ConnectionType	Rough-In AFF	Quantity	Electrical Remarks
1	Scale	115	60	1	15			Simplex	18"	1	
10	Walk-in Cooler/Cooler/Freezer	115	60	1	15			J-Box	108"	1	Elec for Lights in Walk-In
11	Refrigeration System, Remote	208	60	3	57.1			J-Box	108"	1	See Shop Drawings for Details
11.1	Evaporator Coil	115	60	1	4.5			J-Box	108"	1	See Shop Drawings for Details
11.2	Evaporator Coil	115	60	1	4.5			J-Box	108"	1	See Shop Drawings for Details
11.3	Evaporator Coil	208	60	1	32.4			J-Box	108"	1	See Shop Drawings for Details
25	Ice Flaker	208-230	60	1	15.4			J-Box	84"	2	
30	Ice Maker, Cube-Style	208-230	60	3	8.9			J-Box	84"	3	
34	Ice Maker, Cube-Style	208-230	60	3	8.9			J-Box	84"	2	
36	Ice Flaker	208-230	60	1	15.4			J-Box	84"	2	



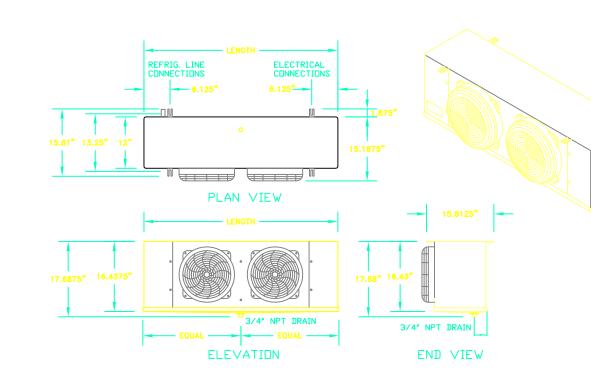


				PLUMBI	NG SCH	HEDUL					
ITEM NO.	DESCRIPTION	COLD WATER SIZE	HOT WATER SIZE	H&C Rough-In	DIRECT WASTE SIZE	DIRECT WASTE AFF	INDIREC T WASTE SIZE	GAS SIZE(IN)	GAS MBTU	QTY	PLUMBING REMARKS
3	Two (2) Compartment Sink						(2) 1-1/2"			1	Waste to Floor Sink
3.1	Wall / Splash Mount Faucet	1/2"	1/2"	12"						1	
4	Hand Sink	1/2"	1/2"	12"	1-1/2"	20"				1	
11.1	Evaporator Coil						1"			1	Condensate to FFD
11.2	Evaporator Coil						1"			1	Condensate to FFD
11.3	Evaporator Coil						1"			1	Condensate to FFD
25	Ice Flaker	1/2"		n/a			3/4"			2	Water from Filter
25.1	Water Filtration System, for Ice Machines	3/4"		36"						2	Water to Filter
27	Ice Bin for Ice Machines						1"			1	Waste to Floor Sink
28	Floor Trough				4"	Floor				2	
30	Ice Maker, Cube-Style	1/2"		n/a			3/4"			3	Water from Filter
30.1	Water Filtration System, for Ice Machines	3/4"		36"						3	Water to Filter
31	Ice Bin for Ice Machines						1"			3	Waste to Floor Sink
34	Ice Maker, Cube-Style	1/2"		n/a			3/4"			2	Water from Filter
34.1	Water Filtration System, for Ice Machines	3/4"		36"						2	Water to Filter
35	Ice Bin for Ice Machines						1"			2	Waste to Floor Sink
36	Ice Flaker	1/2"		n/a			3/4"			2	Water from Filter
36.1	Water Filtration System, for Ice Machines	3/4"		36"						2	Water to Filter
37	Ice Bin for Ice Machines						1"			1	Waste to Floor Sink

	<u>GEND – PLUMBING CONN</u>		
ΘΟ	HW-HOT WATER, OR CW-COLD	WATER	
•	GAS		
0	WASTE, DIRECT-CONNECTED		
Ð	WASTE, INDIRECT to Floor Sink,	or Floor Drain	
\oplus	FUNNEL FLOOR DRAIN Josam 30	000-E3	
	FLOOR DRAIN Josam 30000-A3		34"
	FLOOR SINK Zurn FD-2370-y-F	°V4−F	
Ð	FILTERED WATER, at machine.		NDTE # P1 TYPICAL H
@ •	CHILL WATER In & Out		
ALL	<u>5 # P4</u> NATIONAL, STATE, AND LOCAL ES SHAL APPLY		
ALL CODE ALL BE E INTE AND BE F CONT	NATIONAL, STATE, AND LOCAL	S	Serv



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						-								1			95°F			אר	NE	نا:	TED L						-			-		MP	
			FIXTURES			┥╓	-		COMPF	RESS	ORS						UNIT						SYSTEM		LINE S	ZE(O.D	-	D RUN	_	ER SL	1		_	ORIES ((SEE
				TEM	> (F)	ANT A	NT STEN				RATIN	IG	COND.					RATI	NG FAN		60 EATE		TOTAL POW 208V, 60	VER Hz			Ē		Ē		OUT	URE		к	ALVE
	Σ	#	DESCRIPTION			SER	ERA SY	MODEL			@ 60	Hz	TEMP.	ы	#	Ę	MODEL	ΙØ	FAN	п		ĸ					NUNC NUNC		(85°F)	⊒ ≈	ō	RESS	0R	LATC	
	ш	ITEM		FIXT.	SST.	REFRIGERANT	REFRIGERANT LBS IN SYSTEN	MODEL	H.P.	RL4	A V	РН	MBH. (95°F)	DEFRO	ITEM	QUANTITY		RLA	v	FLA	v	PH	AMPS	PH	ROUTE SUCTION	LIQUID		DISCH.	GPM	WATER	WATER	HEAD PRESSURE CONTROL	WATER REGULATOR	SUCTION ACCUMULATO THERMOSTAT	SOLENOI
Γ																																			
F	A	11	WALK-IN COOLER	35	25	448,	A 28	ZB26KCE-T	-5 3.0	11.	9 208	3	9.32	D	11.1	1	BEL0295AS6AMA	4.5	115				11.9	3	S 7/	8 3/8	50		6.0	1/2	1/2	F	F	F	F
E	В	11	WALK-IN COOLER	35	25	448,	A 28	ZB26KCE-T	-5 3.0	11.	9 208	3	9.32	D	11.2	1	Belo295AS6AMA	4.5	115				11.9	3	S 7/	8 3/8	50		6.0	1/2	1/2	F	F	F	F
Ļ																																			
┢	С	11	WALK-IN FREEZER	-10	-20	448,	4 70	ZF34K5E-TF	-C 10	33.	.3 208	3	34.85	D	11.3	1	BEL0310BS6EMA	3.0	208	27.4	208	3 1	33.3	3	S 11/	3 1/2	50		10	3/4	3/4	F	F	FF	F
	c	MODEL NO. WIPS-6 NOTE: – ALL SYSTEMS ENGINEERED W									E G H O	ELEC GRAV HOT OFF	TRI ITY GA CY	CLE (TEMP.)	TSXB: _72A)		BASE	5/00		NOT SUI		M M/ S SI	NGLE		<u> </u>	F L N F	1 — N R — F	ACTOF OOSE IANUF EFRIG	RY IN (FIEI FACTU GERAT	LD IN RER ION	NSTALL EQUIP CONTR	PED			
			DENSING UNIT FILE SA32027				110	– REFR JOB – "COM – EFFEC	IGERAT SITE C PRESS CTIVE (ION OND OR I JANU	PIPE ITIONS MOTOI JARY	SIZI S AN R PI 1. 2	ES AF ID LIN ROTEC 2009,	RE E NE I CTEC ALL	BASED ROUTI) UNE _ WAL) C NG)ER K-	N A MAXIMI AT INDIVIDI PRIMARY S IN COOLER FEDERAL EN	JM L JAL I SINGL AND	.INE INST/ .E P FRE	RUN ALLAT HASE EEZEF	UP IONS PR(R EV	TO S. IF OTE(APO	100 EQU LINE RU CTION" RATIVE C	JIVA JNS OILS	LENT ARE S INST	FEET GREAT ALLED	FOR ER 1 N IN	Liqui[Than) ANI 100	D SU FEET,	CTION PLE	N LIN ASE	IES. COI	VERIF NTACT	TY L CO
								- ELEC	IRICAL	CÓN	NTRAC	TOR	TO	SUP	PLY I	201	WER FROM I	BUILD	DING	AND	CO	NNE	CT POWE	R T	O WAL	K–IN	EVA	PORAT	IVE C	OIL	DEMA	ND I	DEFF	ROST	CON



BEL-LOW PROFILE COOLERS (REPLACES ADT/LET)

	MEDIUM TEMP.					FANS			С	ONNECTIO	NS (ln.)				
SYSTEM		CAPACITY BTU	LENGTH	QTY.	CFM	EC MOTOR	EC MOTOR	ELEC DEFROST	COIL	SUCTION	EQUALIZER		APPROX. Ship wt.	REPLACEMENT MODEL No.	
						115/1/60	208/1/60	208/1/60	OD	OD	OD	MPT	(Lbs.)		
Α	BEL0295AS6AMA	29150	93-1/2"	5	3050	4.5			1/2"	7/8"	1/4"	3/4"	115	ADT260AEK	
В	BEL0295AS6AMA	29150	93-1/2"	5		4.5			1/2"	7/8"	1/4"	3/4"	115	ADT260AEK	
С	BEL0310BS6EMA	30900	109-1/2"	6	3843		3.0	27.4	1/2"	1-1/8"	1/4"	3/4"	145	LET280BEK	

UNIT COOLER DETAIL R-1

SPECIFICATION

ITEM NO. 11 REMOTE REFRIGERATION PACKAGE THE REFRIGERATION PACKAGE SHALL BE PRE-ENGINEERED AND FACTORY ASSEMBLED UNIT, TRADE NAME "WATER COOLED INDOOR-PAK" AS MANUFACTURED BY COOLTEC REFRIGERATION CORP., 1250 E. FRANKLIN AVE., POMONA, CA 91766. PHONE: (909) 865-2229, FAX: (909) 868-0777. E-MAIL ADDRESS: sales@cooltecrefrigeration.com

CONTRACTOR SHALL FURNISH AND INSTALL, WHERE SHOWN ON PLANS, (1) COOLTEC U.L. APPROVED "WATER COOLED INDOOR-PAK" REMOTE REFRIGERATION PACKAGE, MODEL <u>WIPS-6</u>, WITH CONTROL PANEL, <u>208 VOLTS, 3 PHASE, 60 HERTZ</u> THE FRAME, ENCLOSURE, AND PANELS SHALL BE FABRICATED OF GALVANIZED STEEL AND HEAVY DUTY FRAME CONSTRUCTION. THE ENTIRE FRAME SHALL BE PRE-ASSEMBLED, WELDED, CLEANED, AND PRIMED COAT OF ZINC CHROMATE, THEN FINISHED WITH A COAT OF BAYED ENAME! BAKED ENAMEL EPOXY BASED PAINT. THE WATER COOLED CONDENSER SHALL BE DESIGNED FOR 15'F TD. I. WATER COOLED REFRIGERATION UNITS

A. WATER COOLED CONDENSING UNITS SHALL BE HERMETIC/GLACIER SCROLL TYPE (COPELAND). EACH UNIT SHALL BE EQUIPPED WITH HIGH-LOW PRESSURE CONTROL, LIQUID LINE DRIER, SIGHT GLASS, HEAD PRESSURE CONTROL, TIME CLOCKS. B. ALL COMPRESSOR UNITS SHALL BE NEW FACTORY ASSEMBLED TO OPERATE WITH THE REFRIGERANT SPECIFIED IN THE ENGINEERING SUMMARY SHEET. REFRIGERANT R-448A SHALL BE USED ON ALL COMMERCIAL TEMPERATURE UNITS AND LOW TEMPERATURE UNITS. PRE-PIPING

A. ALL REFRIGERANT LINES SHALL BE EXTENDED TO ONE SIDE OF THE PACKAGE IN A NEAT AND ORDERLY MANNER. SUCTION LINES MUST BE INSULATED WITH ARMAFLEX (1" THICK FOR LOW TEMP, 3/4" THICK FOR MEDIUM TEMP). B. ALL TUBING SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS. C. SILVER SOLDER AND/OR SIL-FOS SHALL BE USED FOR ALL REFRIGERANT PIPING. SOFT SOLDER IS NOT ACCEPTABLE. D. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 200 PSI. AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAKED TESTED WITH ALL VALVES OPENED.

WATER PIPING A. WATER SUPPLY AND RETURN HEADER SHALL BE INSTALLED USING COPPER TUBING AND PIPING B. ALL WATER LINES SHALL BE PRE-PIPED WITH SHUT-OFF VALVES FOR SUPPLY AND RETURN OF EACH UNIT.

CONTROL PANEL A. THE PACKEAGE SHALL HAVE A FACTORY MOUNTED AND PRE-WIRED CONTROL PANEL COMPLETE WITH MAIN FUSED DISCONNECT. COMPRESSOR CIRCUIT BREAKERS, FUSES, CONTACTORS AND THE TIME CLOCKS WIRED FOR SINGLE POINT CONNECTION.
 B. ELECTRICAL CONTRACTOR SHAL PROVIDE AND INSTALL MAIN POWER LINES TO PANEL AND PROVIDE WIRE HARNESS WIRING FOR CONTROL AND DEFROST HEATER BETWEEN AND THE DEFROST CLOCK AND THE REFRIGERATION FIXTURES, ALL IN ACCORDANCE WITH THE WIRING DIAGRAM AND PER LOCAL CODES. SAFETY CAUTION

A. EACH SYSTEM AND EVAPORATOR IS SHIPPED UNDER NITROGEN PRESSURE. USE CAUTION AND EXERCISE SAFETY AT ALL TIMES WHEN PREPARING FOR FINAL HOOK-UP. EVAPORATIVE COIL

A. EVAPORATIVE COILS SHALL BE DIRECT EXPANSION TYPE, FABRICATED OF COPPER TUBES WITH ALUMINUM FINS. ALL EVAPORATIVE COILS SHALL BE PROVIDED WITH SOLENOID VALVE, THERMOSTATIC EXPANSION VALVE, AND ELECTRONIC THERMOSTAT, PIPED AND WIRED TO THE JUNCTION BOX FOR POSITIVE PUMP DOWN. B. EVAPORATIVE COILS SHALL BE EQUIPPED WITH ENERGY SAVING "EC" MOTORS.

POWER REQUIRED FOR WALK-IN EVAPORATOR COIL'S DEMAND CONTROL AND TO DRAIN HEATERS.

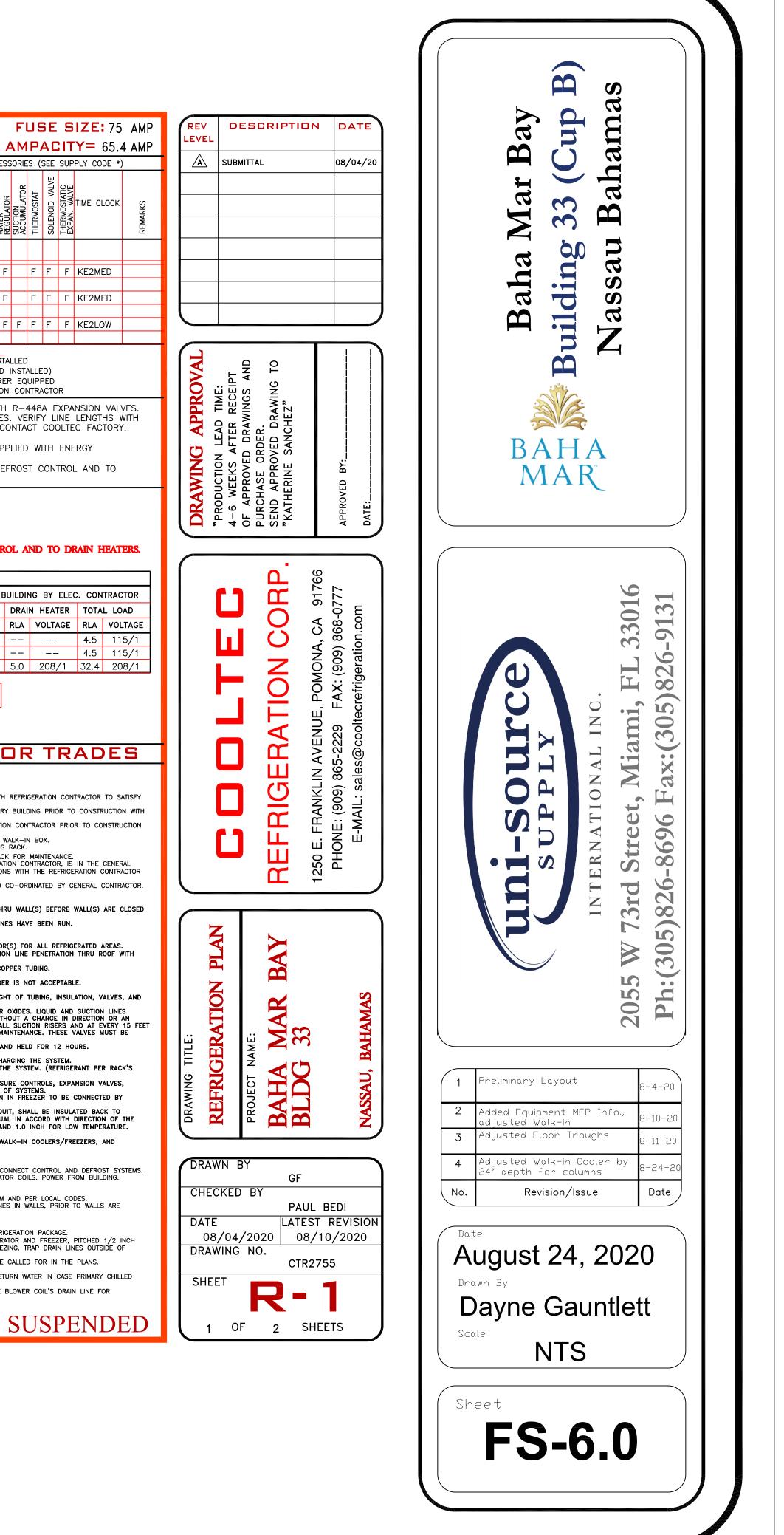
POWER FROM BUILDING; SUPPLIED BY ELECTRICAL CONTRACTOR UNIT COOLER POWER FROM BUILDING BY ELEC. CONTRACTOR DESCRIPTION MODEL EVAP. COIL RLA VOLTAGE RLA VOLTAGE RLA VOLTAGE WALK-IN COOLER 1 BEL0295AS6AMA 4.5 115/1 1.2 WALK-IN COOLER 1 BEL0295AS6AMA 1.5 115/1 -- -- 4.5 115/1 1.3 WALK-IN FREEZER 1 BEL0080BS6EMA 27.4 208/1 5.0 208/1 32.4 208/1

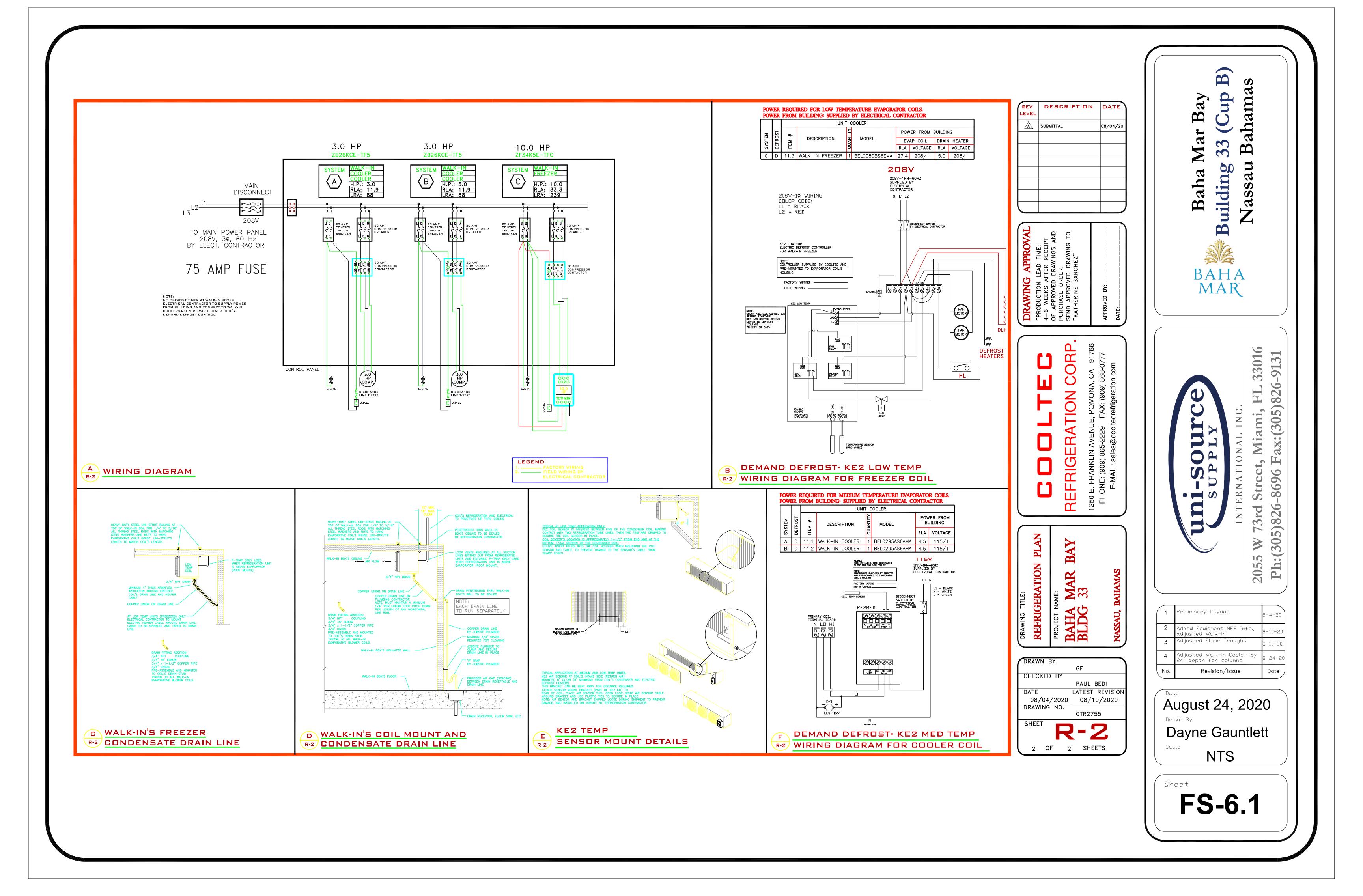
NOTE: PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR POWER FROM BUILDING.

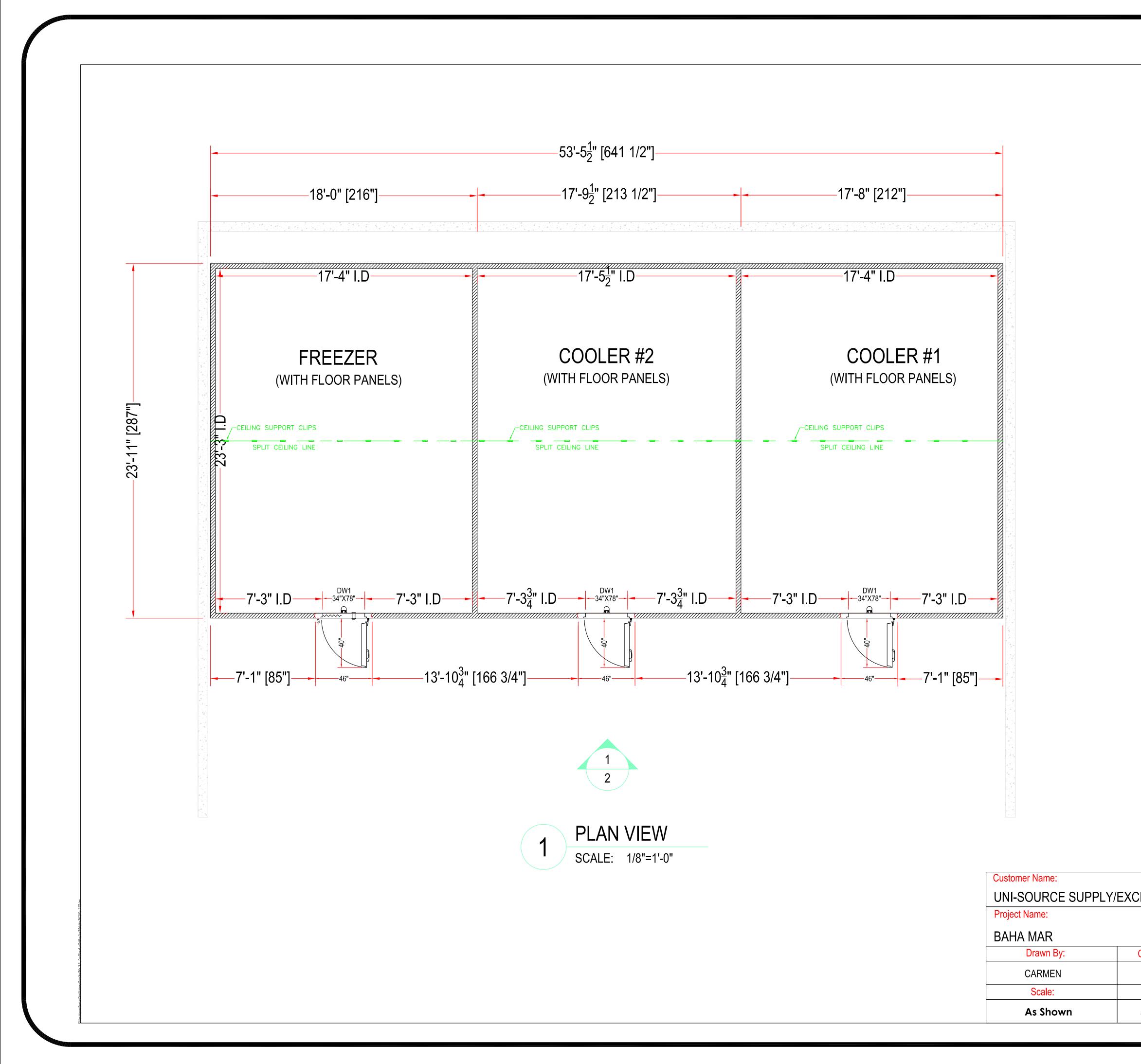
CONSTRUCTION NOTES FOR TRADES

- GENERAL CONTRACTOR
- A. CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES. B. GENERAL CONTRACTOR TO VERIFY AND CO-ORDINATE LOCATION OF REFRIGERATION RACK WITH REFRIGERATION CONTRACTOR TO SATISFY LOCAL CODE REQUIREMENTS AND MAINTENANCE OF THE RACK. C. GENERAL CONTRACTOR TO VERIFY REFRIGERATION LINE RUNS THRU TO ROOF OR MULTI-STORY BUILDING PRIOR TO CONSTRUCTION WITH
- REFRIGERATION CONTRACTOR FOR ACCESSIBILITY. D. 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.
- F. GENERAL CONTRACTOR TO SUBMIT FOR APPROVAL AND PULL ALL PERMITS FOR HANGING THIS RACK. G. GENERAL CONTRACTOR TO ALLOW 3'-O" (36") OF CLEAR SPACE AROUND REFRIGERATION RACK FOR MAINTENANCE. H. ALL CORE DRILLING REQUIRED FOR REMOTE REFRIGERATION PIPING WORK BY THE REFRIGERATION CONTRACTOR, IS IN THE GENERAL
- CONTRACTOR'S SCOOP 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. I. ANY ATTACHMENT TO BUILDING STRUCTURE FOR LOAD BEARING WEIGHT TO BE PROVIDED AND CO-ORDINATED BY GENERAL CONTRACTOR.
- REFRIGERATION CONTRACTOR A. REFRIGERATION CONTRACTOR SHALL RUN ALL REFRIGERATION LINES WHICH EXTEND DOWN THRU WALL(S) BEFORE WALL(S) ARE CLOSED UP WHEN CONDUIT IS NOT PROVIDED.
 B. 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".
- C. REFRIGERATION CONTRACTOR SHALL INSULATE ALL REFRIGERATION SUCTION LINES. D. REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF BLOWER COIL(S) AND COMPRESSOR(S) FOR ALL REFRIGERATED AREAS.
- D. REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF BLOWER COL(S) AND COMPRESSOR(S) FOR ALL REFRIGERATED AREAS.
 E. REFRIGERATION CONTRACTOR SHALL VERIFY LOCATION OF PICH POCKET(S) FOR REFRIGERATION LINE PENETRATION THRU ROOF WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR TO INSTALL ALL PITCH POCKETS.
 F. CONTRACTOR SHALL USE ONLY CLEAN DEHYDRATED, SEALED REFRIGERATION GRADE A.C.R. COPPER TUBING. USE ONLY LONG RADIUS ELBOWS TO REDUCE FLOW RESISTANCE AND LINE BREAKAGE.
 G. SILVER SOLDER AND/OR SIL-FOS SHALL BE USED ON ALL REFRIGERANT PIPING. SOLDER IS NOT ACCEPTABLE. USE MINIMUM 35% SILVER SOLDER FOR DISSIMILAR METALS.
 H. ALL PIPING MUST BE SUPPORTED WITH HANGERS THAT CAN WITHSTAND THE COMBINED WEIGHT OF TUBING, INSULATION, VALVES, AND FULLION. THE TUBING.
- H. ALL PIPING MUST BE SUPPORTED WITH HANGERS THAT CAN WITHSTAND THE COMBINED WEIGHT OF TUBING, INSULATION, VALVES, AND FLUID IN THE TUBING.
 I. 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.
 J. ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 200 PSI WITH ALL VALVES OPEN AND HELD FOR 12 HOURS. ELECTRONIC LEAK DETECTORS SHALL BE USED TO LOCATE ALL LEAKS.
 K. COMPLETE SYSTEM SHALL BE EVACUATED TO 500 MICRONS WITH VACUUM PUMP BEFORE CHARGING THE SYSTEM.
 L. REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR SUPPLYING REFRIGERANT AND CHARGING THE SYSTEM. (REFRIGERANT PER RACK'S SPFCIFICATIONS.)
- SPECIFICATIONS.)
- M. 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. N. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER WITH INSULATION IN FREEZER TO BE CONNECTED BY
- N. REFRIGERATION CONTRACTOR TO FROME AND INSTALL BRAIN LINE HEATER WITH INSTALLON IN TRELED. TO BE CONTRACTOR DE CONTRACTOR. O. REFRIGERANT SUCTION LINES OUTSIDE OF REFRIGERATED COMPARTMENTS, NOT RUN IN CONDUIT, SHALL BE INSULATED BACK TO COMPRESSOR WITH ARMSTRONG 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. P. FILL ROOF REFRIGERATION AND ELECTRICAL PITCH POCKETS WITH FOAM AND SEALANT. Q. REFRIGERATION CONTRACTOR TO SEAL ALL REFRIGERATION LINE PENETRATIONS MADE THRU WALK-IN COOLERS/FREEZERS, AND
- REFRIGERATED BASE SECTIONS OF COUNTERS. ELECTRICAL CONTRACTOR A. ELECTRICAL CONTRACTOR TO PROVIDE MAIN POWER FOR THE REFRIGERATION PACKAGE AND CONNECT CONTROL AND DEFROST SYSTEMS. B. ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR MEDIUM AND LOW TEMPERATURE EVAPORATOR COILS. POWER FROM BUILDING.
- B. ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR MEDIUM AND LOW TEMPERATURE EVAPORATOR COLLS. POWER FROM BUILDING. PROVIDE SEPARATE POWER SOURCE FOR EACH EVAPORATOR.
 C. ELECTRICAL CONTRACTOR TO CONNECT DRAIN-LINE HEATER IN THE FREEZER.
 D. ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE ACCORDANCE WITH THE WIRING DIAGRAM AND PER LOCAL CODES.
 E. 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
- A. PLUMBING CONTRACTOR
 A. PLUMBING CONTRACTOR TO PROVIDE "CHILLED" WATER SUPPLY AND RETURN WATER TO REFRIGERATION PACKAGE.
 B. 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.
 C. CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR IN THE PLANS.
 D. 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 TEMPORARY TURNED OFF. F. PLUMBING CONTRACTOR TO SUPPLY AND MOUNT A UNION FITTING BELOW EACH EVAPORATIVE BLOWER COIL'S DRAIN LINE FOR

DISCONNECTING AND SERVICING PURPOSES.



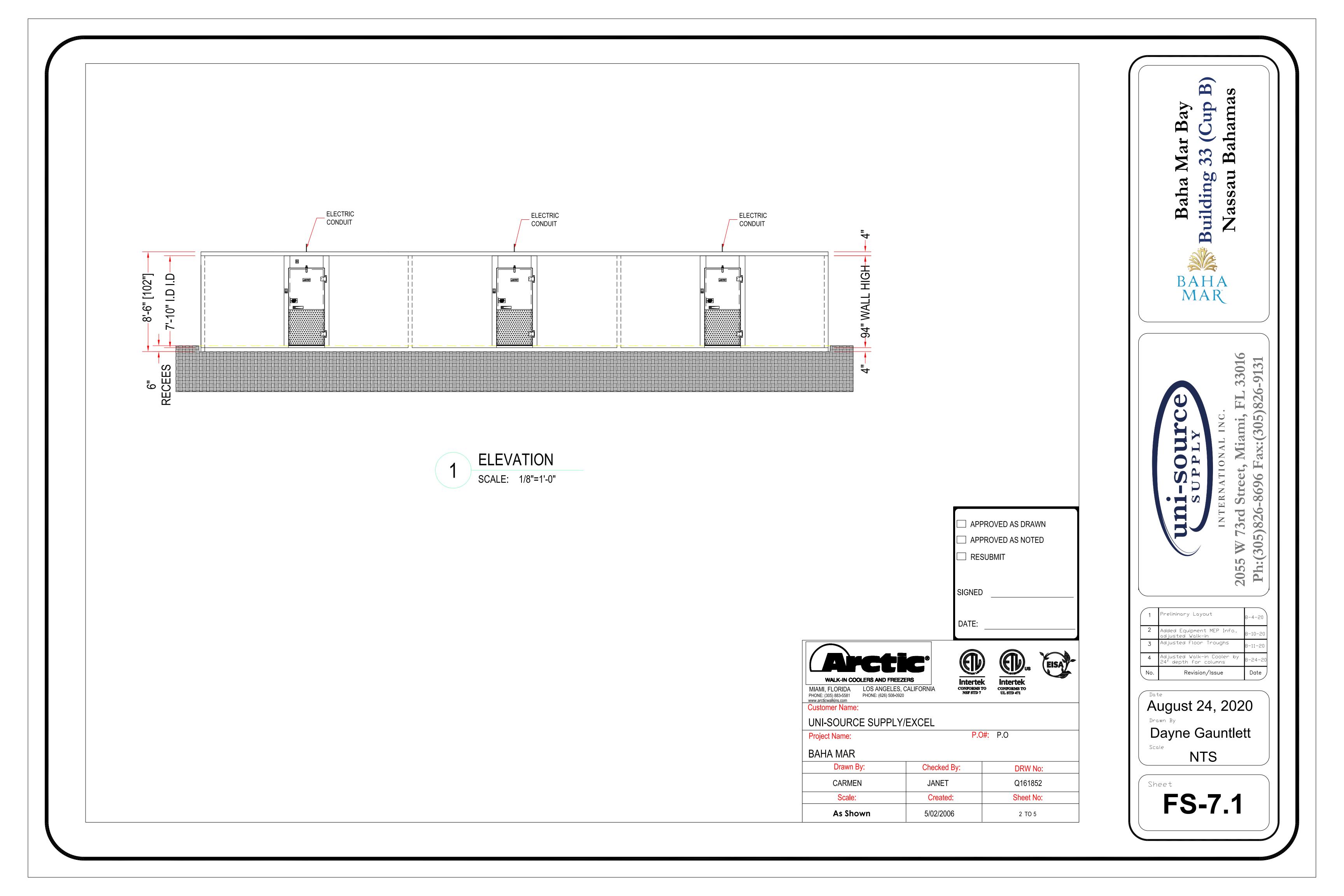




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As Shown

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EL	OR DISCLOSE SUCH MATION EXCEPT AS SSLY AUTHORIZED BY NDUSTRIES, LLC.	4 Hagus ted watk-in cooler by 8-24-20 No. Revision/Issue Date August 24, 2020 Drawn By Dayne Gauntlett Scale NTS
Checked By: JANET Created: 5/02/2006	DRW No: Q161852 Sheet No:	FS-7.0



CONSTRUCTION: 4" POLYURETHANE FOAM IN PLACE PANELS, R-VALUE R28 FOR COOLER AND R32 FOR FREEZER, ASTM E84 / UL 723 INNER FOAM CORE: FLAME SPREAD <25, SMOKE DEVELOPED <450

PANEL FINISHE	6	DOOR DESCRIPTION	
VALL INTERIOR: VALL EXTERIOR:	26 GAUGE MILL EMBOSSED ACRYLUME 26 GAUGE MILL EMBOSSED ACRYLUME	FREEZER DOOR: INTERIOR FINISH: 26 GAUGE MILL EMBOSSED ACRYLUME EXTERIOR FINISH: 26 GAUGE MILL EMBOSSED ACRYLUME	AC HIN DOG
CEILING INTERIOR: CEILING EXTERIOR: CLOOR INTERIOR: CLOOR EXTERIOR:	26 GAUGE MILL EMBOSSED ACRYLUME 26 GAUGE MILL EMBOSSED ACRYLUME 16 GAUGE GALVANIZED STEEL - NON NSF 26 GAUGE MILL EMBOSSED ACRYLUME	COOLER DOOR: INTERIOR FINISH: 26 GAUGE MILL EMBOSSED ACRYLUME EXTERIOR FINISH: 26 GAUGE MILL EMBOSSED ACRYLUME	HAN 36" VAF ARC HEA
		NOTES:	

WALK-IN ACCESSORIES

(56) - FT FEET OF CEILING SUPPORT 4" CLIPS (3) - EA AIR CURTAIN, PLASTIC STRIP (UP TO 41" X 80" DOOR)

GENERAL NOTES

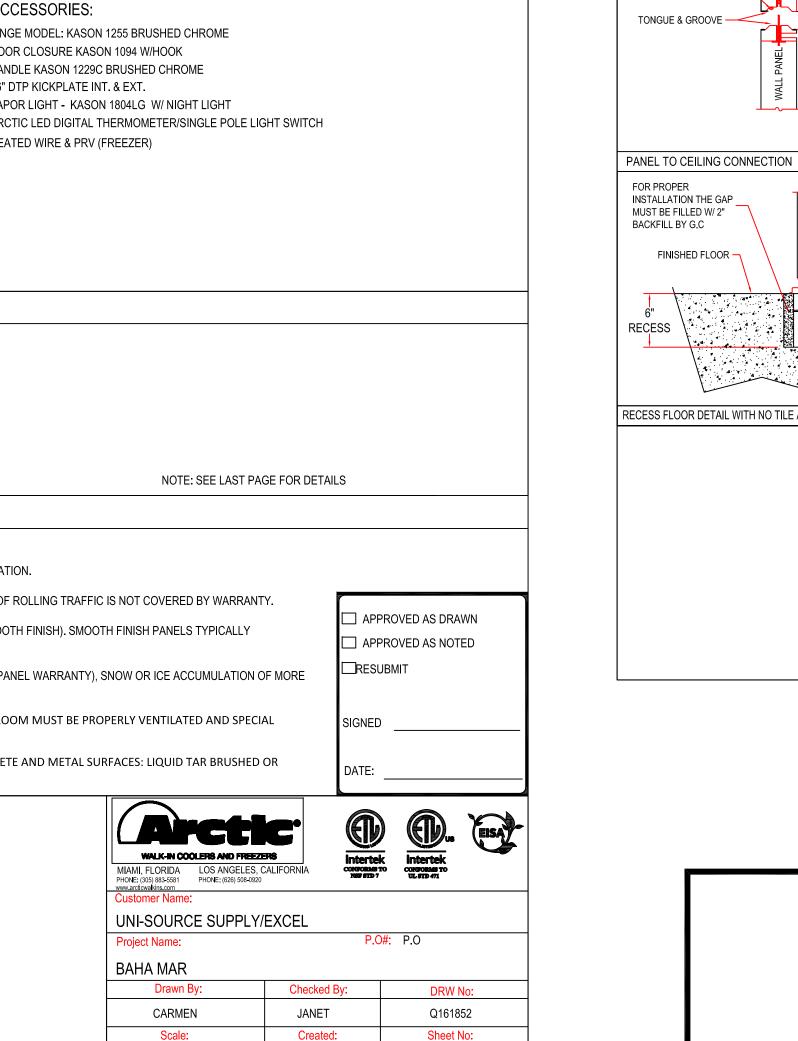
FLOOR MUST BE LEVEL WITHIN 3/16" PER 10', SMOOTH, AND CLEAR OF OBSTRUCTIONS PRIOR TO INSTALLING WALK-IN PANELS.

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 SURFACE MUST BE PROTECTED FROM LIME AND CONCRETE RELATED COMPONENTS. PROTECTION OF ONE OF THE FOLLOWING TYPES MUST BE APPLIED BETWEEN THE CONCRETE AND METAL SURFACES: LIQUID TAR BRUSHED OR SPRAYED ABOVE THE CONCRETE LINE, HEAVY EPOXY PAINT, 6 MIL POLYETHYLENE, OR A DOUBLE LAYER OF 30 LB ASPHALT IMPREGNATED ROOFING PAPER.

REFRIGERATION SYSTEM BY OTHERS



3 TO 5

5/02/2006

As Shown

