

PLUMBING LEGEND

○	HW & CW - HOT/COLD WATER	⊕	REMOTE REFRIGERATION LINES
■	GAS - LP OR NATURAL	⊕	BEVERAGE SYSTEM CONDUIT
●	DIRECT WASTE	---	FIELD CONNECTIONS
⊙	INDIRECT WASTE	---	STEAM SUPPLY
⊙	GFD-GENERAL FLOOR DRAIN	⊙	STEAM RETURN
⊙	FFD-FUNNEL FLOOR DRAIN	⊕	GAS VALVE
⊙	TTFD-TELL TALE FLOOR DRAIN	⊕	WALL CHASE FOR BEV. &/OR REFRIGERATION LINES
⊕	FS-FLOOR SINK W/ GRATE		

PLUMBING NOTES

PLUMBING CONTRACTOR:

A: ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.

B: VERIFY W/ ARCHITECT AND/OR OWNER FOR ANY PLUMBING CONNECTIONS FOR EQUIPMENT NOT SHOWN OR SUPPLIED BY STRATEGIC EQUIPMENT.

C: ALL DRAIN LINES TO BE TRAPPED. PLUMB. CONTR. TO SUPPLY ALL INDIRECT LINES WITH A TRAP AND AN AIR GAP AT FLOOR RECEPTACLE. (AIR GAP TO BE A MIN. OF 2 TIMES THE DIA. OF THE WASTE LINE)

D: INSULATE 140° F OR HIGHER WATER LINES RUNNING FROM WATER HEATER TO FINAL HOOKUP ON EQUIPMENT.

E: PLUMBING CONTRACTOR TO MOUNT ALL DISPOSERS, FAUCETS, BASKET DRAINS, LEVER DRAINS, TO/ON KITCHEN EQUIPMENT WITH FINAL CONNECTION TO ROUGH-IN(S) AFTER EQUIPMENT IS SET IN PLACE.

F: ALL PLUMBING CONNECTION HEIGHTS ARE TO CENTER LINE.

G: COOKING EQUIPMENT GAS PRESSURE TO BE 7"-14" W.C. FOR NATURAL GAS AND 10" W.C. FOR LP GAS UNLESS NOTED OTHERWISE.

H: GAS QUICK DISCONNECTS AND SOLENOID VALVES TO BE SUPPLIED BY STRATEGIC EQUIPMENT FOR INSTALLATION BY DIV. #15. TO BE INTERCONNECTED WITH FIRE PROTECTION SYSTEM FOR FUEL SHUT-DOWN TO EQUIPMENT BELOW HOOD. FSEC TO PROVIDE FIRE SYSTEM GAS VALVE, INSTALLED BY PC. VERIFY VALVE SIZE.

I: SINK FAUCETS AND SINK DRAINS ARE FURNISHED LOOSE, FOR INSTALLATION BY PLUMB. CONTRACTOR. (TRIM AND COMPLETE ALL FINAL PLUMBING CONNECTIONS AS REQUIRED).

J: ALL CONNECTION NUMBERS DIMENSIONED ON THIS PLAN ARE ROUGH-IN LOCATIONS. THE SIZE SHOWN IN THE SCHEDULE AND DESCRIPTION ARE THE CONNECTIONS FOR THAT PIECE OF EQUIPMENT. SIZING OF ROUGH-INS ARE TO BE DETERMINED BY PLUMB. CONTR.

K: PLUMB. CONTR. TO PROVIDE AND INSTALL A "WATTS 9D" (OR EQUAL) CHECK VALVE ON CARBONATOR SUPPLY INLET LINES.

L: PLUMB. CONTR. TO PROVIDE ALL NECESSARY SHUT-OFF VALVES. BACKFLOW PREVENTION DEVICES, PRESSURE REGULATORS, ETC.; AHEAD OF EQUIPMENT CONTROL VALVE, UNLESS NOTED.

M: PLUMB. CONTR. TO MAKE ADJUSTMENTS IN ROUGH-IN LOCATIONS FOR BEAMS, FOOTINGS AND ETC. IF REQUIRED.

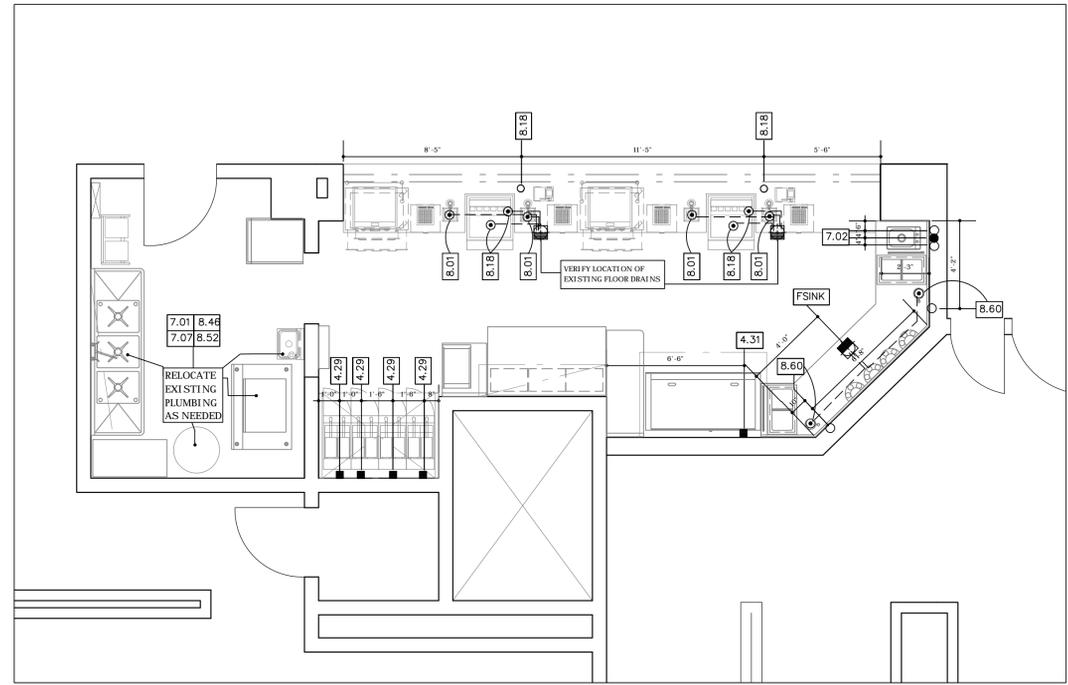
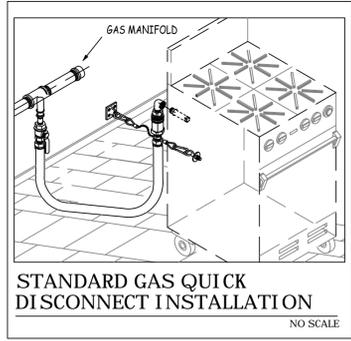
N: PLUMBING CONTR TO PROVIDE AND INSTALL WATER HAMMER ARRESTORS AND PRESSURE REDUCING VALVES (PRV) IN LINE BEFORE ALL SOLENOID VALVES, IE: AT DISHMACHINE, DISPOSER(S), ICE MAKER(S), STEAMER(S), ETC.

O: PLUMB. CONTR TO PROVIDE AND INSTALL ALL INDIRECT WASTE (IE: WALK-IN COOLERS/FREEZERS, REFRIG. BASES, HOT WELLS, ETC.)

P: VERIFY W/ HEALTH AND PLUMBING CODES IF WASTES SHOULD BE DIRECT OR INDIRECT. VERIFY IF CLEAN WATER WASTES ARE REQ'D TO EMPTY INTO STORM SEWERS.

Q: VERIFY AND/OR LOCATE GREASE TRAP PER LOCAL CODE AND CONNECT SINKS AS REQUIRED.

(REV'D 6/30/2011)



EQUIPMENT SPECIFICATIONS

EQUIPMENT				ELECTRICAL		GAS		WATER		WASTE		NOTES				
ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	QUANTITY	F.S.E.C.	VOLT/PH	AMPERAGE	HEIGHT A.F.F.	GAS SIZE	MBTU/HR.	HEIGHT A.F.F.	WATER	HEIGHT A.F.F.	WASTE	HEIGHT A.F.F.	
101	FREEZER	BEVERAGE AIR	HFPL-1S	1	X	120V	90 FLA	DR 48"								
132	REFRIG. PIZZA PREP	BEVERAGE AIR	DFD67-2	1	X	120V	31 FLA	DR 14"								NEMA 5-15P
135	REFRIG. EQUIPMENT STAND	RANDELL	20065R	1	X	120V	31 FLA	DR 14"								NEMA 5-15P
151	SPINDLE MIXER	HAMILTON BEACH	HMD400	4	X	120V		DR 48"								
152	DROP-IN ICE CREAM CABINET	DELFIELD	225L	2	X	120V	50 FLA	DR 14"								
201	WORKTABLE	KDC	24" X 30"	1	X											
202	WORKTABLE	KDC	21" X 60"	1	X	120V	20.0 CRT	DR 48"								DUPLEX CONVENIENCE OUTLET
249	SHELVING	KDC	24" X 42"	1	X											
272	WALL SHELF	FOLDCRAFT PLYMOLD	12" X 60"	1	X											
429	FRYER	FRYMASTER	H55	4	X	120V	50 FLA	DR 18"	3/4"	122 M	24"					PER PLAN, CONVENIENCE OUTLETS
431	GRIDDLE	GARLAND	GTGG60-GT60	1	X				3/4"	135 M	24"					
462	GRIDDLE	GARLAND	ED-24G	2	X	208V/1PH	33.0 FLA	DB 18"								
501	EXHAUST VENTILATOR	EXH STING		1	X											
502	EXHAUST VENTILATOR	BY OTHERS		1	X											
505	FIRE SUPPRESSION	EXH STING		1	X											
602	DRAWER WARMER	ALTO-SHAAM	500-2DN	2	X	120V	8.5 FLA	DR 14"								NEMA 5-15P
605	BUN WARMER W/ STAND	NEMCO	8075	2	X	120V	8.5 FLA	SR 14"								NEMA 5-15P
609	REETHERMALIZATION DRAWER	NEMCO	8475	2	X	120V	5.4 FLA	DR 18"								NEMA 5-15P
657	WORKTABLE W/ DUMP STATION	MERCO	FFHS-16	1	X	120V	20.0 CRT	DR 48"								
659	ANGLED WORKTABLE	CUSTOM		1	X											
701	HAND SINK	SELECT STAINLESS	SHS-1-STP	1	X						1/2" CW & HW	27"	1 1/2"	21"		
702	DROP-IN HAND SINK	CUSTOM		1	X						1/2" CW & HW	18"	1 1/2"	12"		
707	THREE COMPARTMENT SINK	SELECT STAINLESS	3B1824-2D18	1	X						3/4" HW & CW	18"	3 1/2"	12"		
801	BEER DRAIN	BY VENDOR	N.I.C.	4	X							1" IW	RFD	VRWS		
802	SINGLE HEAD BEER DISPENSER	BY VENDOR	N.I.C.	4	X											
815	BAG-IN-BOX- VERIFY LOCATION	BY VENDOR	N.I.C.	1	X	120V		DR 14"								
818	SODA PORT	BY VENDOR	N.I.C.	2	X	120V	3.0 FLA	DR 14"			1/2" CW	18"	3/4" IW	RFD	VRWS	
822	CARBONATOR	BY VENDOR	N.I.C.	2	X	120V	7.2 FLA	DR 18"								VRWS
823	QUIP PAD	DISPENSER RITE	WR-CC-22	2	X											
846	ICE BIN	SCOTSMAN	BHB948S	1	X								3/4" IW	RFD		
852	ICE CUBER	SCOTSMAN	C1030MW-32A	1	X	208/230V 1PH	14.8 FLA	DB 60"			3/8" CW	60"	3/4" IW	RFD		
860	DIPPERWELL	DROP-IN	CUSTOM	2	X						1/2" CW	18"	1" IW	RFD		
901	P.O.S. SYSTEM	BY VENDOR	N.I.C.	4	X	120V	15.0 CRT	DR 48"								DEDICATED CIRCUIT, PROVIDE DATA LINE, VRWS
964	PROTECTOR DISPLAY- CENTER	VERSAGARD	CUSTOM	1	X											
965	PROTECTOR DISPLAY- RIGHT	VERSAGARD	CUSTOM	1	X											

Strategic

EQUIPMENT AND SUPPLY CORPORATION

1203 33rd. Street South
St. Cloud, Minnesota 56301
Phone (320) 257-8855 Fax (320) 257-8805

This drawing, being an instrument of service, is and remains the property of Strategic Equipment. It is a design drawing not intended to replace required architectural or engineering plans, is not to be reused for another project without our consent and is subject to return on demand.

IKE'S-TARGET CENTER
MINNEAPOLIS, MN
FOODSERVICE PLUMBING PLAN

REVISIONS	NO.	DATE	DESCRIPTION
	△		
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	△		

SCALE: 1/4"=1'-0"

DRAWN BY: CLM/JP

CHECKED BY:

DATE DRAWN: 5/31/11

PROJECT NO. 11JPTKESTARGET

FS-2

SHEET NUMBER

ELECTRICAL LEGEND

	DR - DUPLEX RECEPT, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
	SR - SPECIAL PURPOSE OUTLET, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
	SR - SPECIAL PURPOSE OUTLET, 208/240-VOLT AS INDICATED, GROUND TYPE, HORIZONTAL MOUNT
	FLOOR-SINGLE RECEPTACLE OUTLET
	FLOOR-DUPLEX RECEPTACLE OUTLET
	J-BOX - JUNCTION BOX
	ELECTRICAL CONDUIT, STUB AS INDICATED
	DROP CORD
	WALL SWITCH
	COMPUTER DATA CONNECTION
	FIELD WIRING, PER CODE

ELECTRICAL NOTES

ELECTRICAL CONTRACTOR:

A: ALL WORK TO BE IN COMPLIANCE WITH PREVAILING CODES.

B: ELECTRICAL BOXES AND CONDUIT TO BE IN WALLS. SURFACE MOUNTED WORK IS NOT ACCEPTABLE.

C: E.C. TO PROVIDE AND INSTALL CORD AND PLUG ON ITEMS NOTED.

D: E.C. TO INCLUDE FINAL HOOKUP OF EQUIPMENT FOR INSTALLATION

E: ALL ELECTRICAL CONNECTION HEIGHTS ARE TO CENTER LINE OF JUNCTION BOX OR OUTLET, UNLESS NOTED OTHERWISE.

F: VERIFY WITH OWNER OR VENDOR FOR ANY ADDITIONAL ELECTRICAL CONNECTIONS REQUIRED.

G: ALL ELECTRICAL CONDUIT/FLEX MUST BE FASTENED A MINIMUM OF 6" A.F.F. TO ALLOW FOR FLOOR CLEANING.

H: MAXIMUM HEIGHT TO TOP OF J-BOX IS TO BE 5 1/2" A.F.F. TYPICAL FOR ALL STUB-UPS AT 4" A.F.F.

I: ALL 120V DUPLEX RECEPTACLES TO BE A MINIMUM OF 20.0 AMP CIRCUIT.

J: ALL 120V DUPLEX RECEPTACLES TO BE GFI (VERIFY WITH LOCAL ELEC. CODE)

K: E.C. TO PROVIDE ALL NECESSARY ELECTRICAL DISCONNECT SWITCHES FOR EQUIPMENT; AHEAD OF EQUIPMENT CONTROL OR SWITCH.

L: E.C. TO PROVIDE EMPTY OCTAGON J-BOX AT 4'-6" AFF FOR MANUAL PULL STATION WITH EMPTY CONDUIT RUNNING TO ABOVE FINISHED CEILING. (CONDUIT IS FOR MANUAL PULL CABLE. VERIFY LOCATION W/ ARCHITECT. CONCEAL BOX AND CONDUIT IN WALL.)

M: E.C. TO INTERWIRE DISHWASHER WITH CONDENSATE HOOD FAN AND/OR BOOSTER HEATER SO WHEN DISHWASHER IS IN OPERATION, CONDENSATE FAN WILL BE RUNNING.

N: E.C. TO INTERWIRE DISPOSER, DISPOSER CONTROLS AND SOLENOID VALVE PER MANUFACTURERS SPEC'S.

O: E.C. TO INTERWIRE WALK-IN COOLERS/FREEZER LIGHTS AND SWITCHES. IN FREEZER UNIT INTERWIRE WITH OUTLET MOUNTED 6" BELOW CEILING FOR EVAPORATOR DRAIN LINE HEAT TAPE, UNLESS OTHERWISE SPECIFIED.

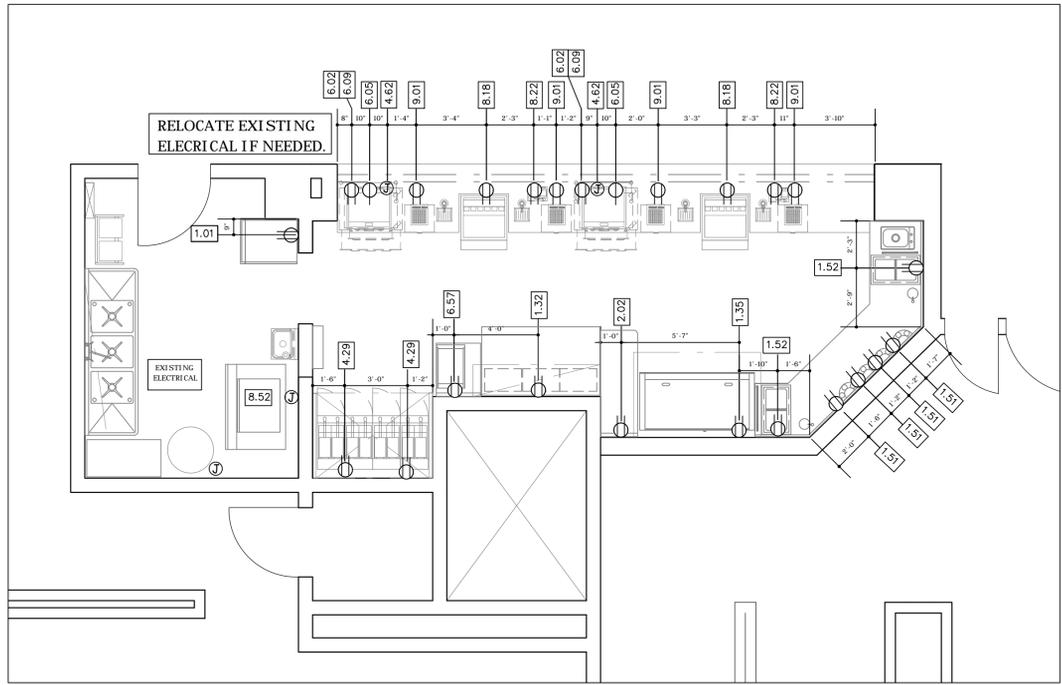
P: E.C. TO INTERWIRE W/ WALL SWITCHES AT 4'-6" AFF. FOR HOOD LIGHTS AND FAN. SWITCHES BY E.C. VERIFY SWITCH LOCATION WITH ARCHITECT.

Q: E.C. TO PROVIDE EMPTY J-BOX AND CONDUIT FOR DATA LINES.

R: E.C. TO INTERWIRE FIRE PROTECTION SYSTEM WITH BUILDING ALARM SYSTEM.

S: E.C. TO INTERWIRE MISC SWITCH ON FIRE PROTECTION SYSTEM TO POWER SHUT-OFF DEVICE, SO THE POWER TO ALL EQUIPMENT AND OUTLETS BELOW HOODS WILL BE SHUT-OFF UPON ACTIVATION OF THE FIRE PROT. SYSTEM.

(REV D 11/26/2007)



EQUIPMENT SPECIFICATIONS

EQUIPMENT				ELECTRICAL		GAS		WATER		WASTE		NOTES					
FSEC - FOOD SERVICE EQUIPMENT CONTRACTOR E.C. - ELECTRICAL CONTRACTOR M.C. - MECHANICAL CONTRACTOR G.C. - GENERAL CONTRACTOR OWN - OWNER				FLA - FULL LOAD AMPS AFF - ABOVE FINISHED FLOOR CRT - CIRCUIT DC - DROP CORD JB - JUNCTION BOX SR - SINGLE RECEPTACLE DR - DUPLEX RECEPTACLE		AFF - ABOVE FINISHED FLOOR STB - STUBBED MBTU - BRITISH THERMAL UNITS IN THOUSANDS		HW - HOT WATER CW - COLD WATER * - FILTERED WATER		IW - INDIRECT WASTE RFD - RUN TO FLOOR DRAIN RES - RUN TO FLOOR SINK		RLFR - REFRIG. LINE FROM REMOTE COMPRESSOR E.C. - ELECTRICAL CONTRACTOR M.C. - MECHANICAL CONTRACTOR V.R.W.S. - VERIFY REQUIREMENTS WITH SUPPLIER					
ITEM #	DESCRIPTION	MANUFACTURER	MODEL #	QUANTITY	F.S.E.C.	VOLT/PH	AMPERAGE FLA	RECEPTACLE	HEIGHT A.F.F.	GAS SIZE	MBTU/HR.	HEIGHT A.F.F.	WATER	HEIGHT A.F.F.	WASTE	HEIGHT A.F.F.	NOTES
101	FREEZER	BEVERAGE AIR	HFPL-1S	1	X	120V	90 FLA	DR 48"									
132	REFRIG. PIZZA PREP	BEVERAGE AIR	DFD67-2	1	X	120V	31 FLA	DR 14"									NEMA 5-15P
135	REFRIG. EQUIPMENT STAND	RANDELL	2006SR	1	X	120V	31 FLA	DR 14"									NEMA 5-15P
151	SPINDLE MIXER	HAMILTON BEACH	HMD400	4	X	120V		DR 48"									
152	DROP-IN ICE CREAM CABINET	DELFIELD	225L	2	X	120V	50 FLA	DR 14"									
2.01	WORKTABLE	KDC	24" X 30"	1	X												
2.02	WORKTABLE	KDC	21" X 60"	1	X	120V	20.0 CRT	DR 48"									DUPLEX CONVENIENCE OUTLET
2.49	SHELVING	KDC	24" X 42"	1	X												
2.72	WALL SHELF	FOLDCRAFT PLYMOLD	12" X 60"	1	X												
4.29	FRYER	FRYMASTER	H55	4	X	120V	50 FLA	DR 18"	3/4"	122 M	24"						PER PLAN, CONVENIENCE OUTLETS
4.31	GRIDDLE	GARLAND	GTGG60-GT60	1	X				3/4"	135 M	24"						
4.62	GRIDDLE	GARLAND	ED-24G	2	X	208V/1PH	33.0 FLA	JB 18"									
5.01	EXHAUST VENTILATOR	EXISTING		1	X												
5.02	EXHAUST VENTILATOR	BY OTHERS		1	X												
5.05	FIRE SUPPRESSION	EXISTING		1	X												
6.02	DRAWER WARMER	ALTO-SHAAM	500-2DN	2	X	120V	8.5 FLA	DR 14"									NEMA 5-15P
6.05	BUN WARMER W/ STAND	NEMCO	8075	2	X	120V	8.5 FLA	SR 14"									NEMA 5-15P
6.09	RETHEMALIZATION DRAWER	NEMCO	8475	2	X	120V	5.4 FLA	DR 18"									NEMA 5-15P
6.57	WORKTABLE W/ DUMP STATION	MERCO	FFHS-16	1	X	120V	20.0 CRT	DR 48"									
6.59	ANGLED WORKTABLE	CUSTOM	CUSTOM	1	X												
7.01	HAND SINK	SELECT STAINLESS	SHS-1-STP	1	X							1/2" CW & HW	27"	1 1/2"	21"		
7.02	DROP-IN HAND SINK	CUSTOM	CUSTOM	1	X							1/2" CW & HW	18"	1 1/2"	12"		
7.07	THREE COMPARTMENT SINK	SELECT STAINLESS	3B1824-2D18	1	X							3/4" HW & CW	18"	3 1/2"	12"		
8.01	BEER DRAIN	BY VENDOR	N.I.C.	4	X									1" IW	RFD	VRWS	
8.02	SINGLE HEAD BEER DISPENSER	BY VENDOR	N.I.C.	4	X												
8.15	BAG-IN-BOX- VERIFY LOCATION	BY VENDOR	N.I.C.	1	X	120V		20.0 CRT	DR 14"								VRWS
8.18	SODA PORT	BY VENDOR	N.I.C.	2	X	120V	3.0 FLA	DR 14"				1/2" CW	18"	3/4" IW	RFD	VRWS	
8.22	CARBONATOR	BY VENDOR	N.I.C.	2	X	120V	7.2 FLA	DR 18"									VRWS
8.23	QUIP PAD	DISPENSER RITE	WR-CC-22	2	X												
8.46	ICE BIN	SCOTSMAN	BHB948S	1	X									3/4" IW	RFD		
8.52	ICE CLBER	SCOTSMAN	C1030MW-32A	1	X	208/230V 1PH	14.8 FLA	JB 60"				3/8" CW	60"	3/4" IW	RFD		
8.60	DIPPERWELL	DROP-IN	CUSTOM	2	X							1/2" CW	18"	1" IW	RFD		
9.01	P.O.S. SYSTEM	BY VENDOR	N.I.C.	4	X	120V		15.0 CRT	DR 48"								DEDICATED CIRCUIT, PROVIDE DATA LINE, VRWS
9.64	PROTECTOR DISPLAY- CENTER	VERSAGARD	CUSTOM	1	X												
9.65	PROTECTOR DISPLAY- RIGHT	VERSAGARD	CUSTOM	1	X												

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IKE'S-TARGET CENTER

MINNEAPOLIS, MN

FOODSERVICE ELECTRICAL PLAN

REVISIONS		NO.	DATE	DESCRIPTION
1	△			
2	△			
3	△			

SCALE: 1/4"=1'-0"

DRAWN BY: CLM/JP

CHECKED BY:

DATE DRAWN: 5/31/11

PROJECT NO. 11JPTKESGTARGET

FS-3

SHEET NUMBER