

FOOD SERVICE EQUIPMENT ELECTRICAL AND PLUMBING ROUGH-INS PLAN
SCALE: 1/4" = 1'-0"

GENERAL ELECTRICAL NOTES

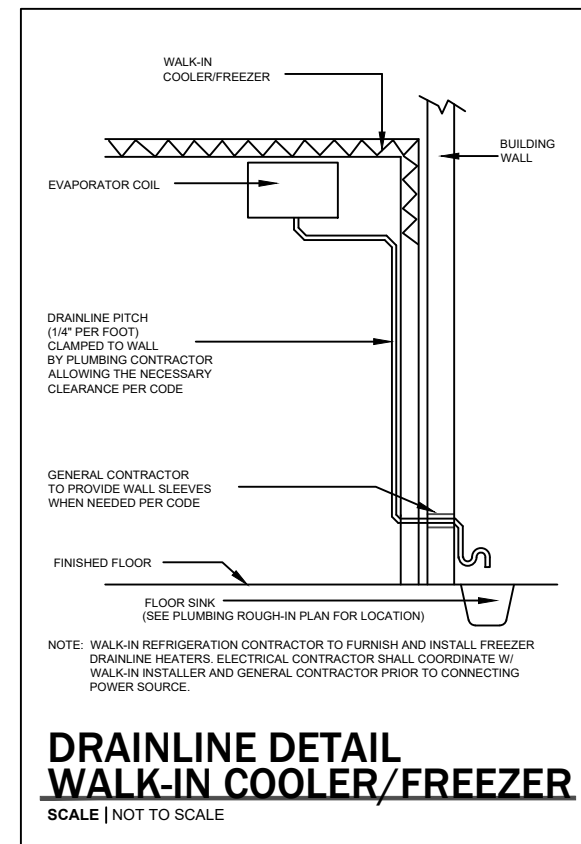
- ALL ELECTRICAL ROUGH-INS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR. UNLESS OTHERWISE NOTED, FOR ANY ADDITIONAL CONVENIENCE OUTLETS AND POWER NEEDED FOR NON FOOD SERVICE EQUIPMENT REFER TO ALL OTHER ELECTRICAL DRAWINGS & REQUIREMENTS.
- ELECTRICAL CONTRACTOR MUST VERIFY EQUIPMENT BEING USED SO THAT THE SERVICE REQUIREMENTS ARE ADEQUATELY SIZED AND ROUGHED-IN PROPERLY (LOCATION & HEIGHT) SO AS TO MINIMIZE THE AMOUNT OF MATERIALS & FITTINGS NEEDED FOR FINAL HOOKUP RESULTING IN A NEAT AND ORDERLY LOOKING JOB. ALL DIMENSIONS FOR ITEMS RUNNING UNDER SLAB ARE FROM CENTER LINE OF COLUMN, OR OUTSIDE EDGE OF SLAB, TO CENTER OF ROUGH-INS. ALL OTHER DIMENSIONS ARE FROM FACE OF STUD.
- ALL OUTLETS & J-BOXES ARE TO BE SET HORIZONTALLY, MOUNTED FLUSH UNLESS NOTED OTHERWISE. ALL 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS, TO BE RATED AT 15 AMPS WITH MINIMUM LOOPING.
- ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON FACE OF WALL, SHOULD BE BROUGHT TO THAT POINT CONCEALED IN WALL AND STUBBED OUT OF WALL CENTERED AT HEIGHT SHOWN. DO NOT STUB OUT OF FLOOR AND RUN EXPOSED UP FACE OF WALL.
- ELECTRICAL CONTRACTOR SHALL BRANCH TO CONNECTIONS WHERE REQUIRED AND CONNECT ALL ELECTRICAL EQUIPMENT, FIXTURES, INCLUDING INTERNAL WIRING REQUIRED IN FIXTURES AND APPLIANCES AS REQUIRED BY CODE, SPECIFICATIONS AND/OR DRAWINGS.
- ALL LABOR, SWITCHES, STARTERS, DISCONNECTS & FITTINGS REQUIRED FOR FOR FINAL CONNECTION OF EQUIPMENT AS NECESSARY TO COMPLY WITH ALL CODES, INCLUDING ALL WIRE WIRING TO BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS SPECIFIED OTHERWISE IN FOOD SERVICE EQUIPMENT CONTRACT.
- ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAINLESS STEEL. THOSE REQUIRED IN BUILDING STRUCTURE ARE TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR WITH RECEPTACLE. ALL MAIN BREAKER PANELS AND DISCONNECT SWITCHES REQUIRED BY OTHER ELECTRICAL DRAWINGS ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AT TIME OF INSTALLATION.
- ELECTRICAL CONTRACTOR TO PROVIDE TIE-IN WIRING BETWEEN FIRE PROTECTION SYSTEM BOTTLE CONTROL HEAD, MICRO-SWITCH AND COOKING EQUIPMENT TO COMPLY WITH APPLICABLE LOCAL CODE REQUIREMENTS FOR EMERGENCY SHUTDOWN OF ENTIRE COOKLINE EQUIPMENT AND ELECTRICAL POWER. SHUNT TRIP CIRCUITRY MAY BE REQUIRED, REFER TO ALL OTHER ELECTRICAL DRAWINGS & REQUIREMENTS.
- ALL THREE (3) PHASE POWER CONNECTIONS TO BE ON A FOUR (4) WIRE SYSTEM. ALL SINGLE (1) PHASE POWER CONNECTIONS TO BE ON A THREE (3) WIRE SYSTEM UNLESS NOTED OTHERWISE.
- ELECTRICAL CONTRACTOR SHALL RUN CONTROL WIRING BETWEEN WALK-IN COOLERS/ FREEZERS CONDENSER & EVAPORATOR, PULL WIRES FROM WALK-INS EVAPORATOR TO PANEL, SET ONE DISCONNECT PER EACH CONDENSING UNIT. INSTALL AND WIRE EXTRA LIGHTS IN WALK-IN COOLERS AND FREEZERS AS REQUIRED THRU DOOR SWITCH, WIRE HEAT STRIP TO SAME CIRCUIT AS WALK-IN LIGHTS AND PROVIDE WRAP AROUND HEATER CABLE ON ALL EVAPORATOR DRAIN LINES.
- ELECTRICAL CONTRACTOR TO INSTALL HOOD LIGHTING, INTERCONNECT LIGHTS WHEN MORE THAN ONE LIGHT IS PROVIDED AND MAKE FINAL ELECTRICAL CONNECTIONS PER CODE.

ELECTRICAL LEGEND	
	SINGLE OUTLET
	DUPLEX OUTLET
	QUAD OUTLET
	I.G. (ISOLATED GROUND) DUPLEX OUTLET
	J-BOX (JUNCTION BOX)
	DATA
	FLOOR RECEPTACLE
	CONDUIT STUB-UP FROM FLOOR
	DISCONNECT SWITCH
	TELEPHONE
	REMOTE SWITCH
	+12" A.F.F. - ABOVE FINISHED FLOOR TO CENTER OF ROUGH-IN
	E.C. ELECTRICAL CONTRACTOR
	CONV CONVENIENCE OUTLET
	5 MIN. AIR EXCHANGE FAN, 12 EXCHANGES / HOUR VENTILATION IN ROOM IS LIGHT SWITCH ACTIVATED
	FIRE PULL STATION
	HOOD LIGHT

GENERAL PLUMBING NOTES

- PLUMBING CONTRACTOR MUST VERIFY EQUIPMENT BEING USED SO THAT THE SERVICE REQUIREMENTS ARE ADEQUATELY SIZED AND ROUGHED-IN PROPERLY (LOCATION & HEIGHT), SO AS TO MINIMIZE THE AMOUNT OF MATERIALS AND FITTINGS NEEDED FOR FINAL HOOKUP RESULTING IN A NEAT & ORDERLY LOOKING JOB. ALL DIMENSIONS FOR ITEMS RUNNING UNDER SLAB ARE FROM CENTER LINE OF COLUMN TO CENTER OF ROUGH-INS. ALL OTHER DIMENSIONS ARE FROM FACE OF STUD.
- ALL PLUMBING ROUGH-INS AND REQUIREMENTS SHOWN ON THIS SHEET ARE FOR FIXTURES AND EQUIPMENT FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER. UNLESS OTHERWISE NOTED, FOR ANY ADDITIONAL BUILDING PLUMBING REQUIREMENTS REFER TO ALL OTHER PLUMBING SHEETS.
- PLUMBING SHALL NOT INTERFERE WITH OPERATION OR FUNCTION OF EQUIPMENT. SECURE TO EQUIPMENT, WALLS OR FLOOR AS REQUIRED BY CODE. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS, (EXCEPT STUB-UPS). LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOOR. ALL FLOOR & WALL PENETRATIONS MUST BE SEALED WATER TIGHT AND VERMIN PROOF.
- D. ALL SERVICES SHOWN WITH SYMBOLS CENTERED ON FACE OF STUD WALL SHOULD BROUGHT TO THAT POINT CONCEALED IN WALL AND STUBBED OUT OF WALL CENTERED AT HEIGHT SHOWN. DO NOT STUB OUT OF FLOOR AND RUN EXPOSED UP FACE OF WALL.
- PLUMBING CONTRACTOR SHALL RUN CONDENSATE LINES FROM UNITS TO DRAINS AS SHOWN, THIS LINE SHALL BE NO SMALLER THAN THE STUB OUT OF THE FIXTURE. CONDENSATE DRAIN LINES ARE TO BE INSULATED THEIR ENTIRE LENGTH. FOR SPECIFIC TYPE OF CONNECTION AND LOCATIONS REFER TO THE KITCHEN EQUIPMENT BROCHURES AND DRAWINGS.
- ALL LABOR, VALVES, TRAPS, TAILPIECES, STRAINERS, WATER LINES, GAS LINES, CUT OFFS, TRAPS, HYDROSTATIC SHOCK ELIMINATORS, INDIVIDUAL SHUT OFF VALVES, PRESSURE - REDUCING VALVES & FITTINGS REQUIRED FOR FINAL CONNECTIONS OF EQUIPMENT AS NECESSARY TO COMPLY WITH ALL CODES, INCLUDING ALL INTERCONNECTIONS, SHALL BE FURNISHED & INSTALLED BY PLUMBING CONTRACTOR UNLESS STATED OTHERWISE IN FOOD SERVICE EQUIPMENT CONTRACT OR GENERAL SPECIFICATIONS.
- ALL GAS LINES TO BE PAINTED BLACK.
- ALL FLOOR DRAINS ARE TO BE SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAINS AS TO CREATE "PITS" OR "DIRS" IN FLOOR. MINIMUM RADIUS OF SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.
- ALL FLOOR SINKS SHOWN ARE TO BE SET FLUSH WITH FINISHED FLOOR, TRAPPED WITH LEGAL AIR GAP.
- IF ELECTROLYSIS CONDITIONS EXIST, A DIELECTRIC COUPLING SHOULD BE USED IN FINAL PLUMBING CONNECTION TO ALL WATER COOLED EQUIPMENT.
- KITCHEN EQUIPMENT SUPPLIER TO PROVIDE ALL FAUCETS, DRAIN OUTLET FITTINGS IN FIXTURES AND SPECIALTY ITEMS AS OUTLINED IN THE ITEM AND GENERAL PRODUCT SPECIFICATIONS.
- ALL WORK RELATING TO THE INSTALLATION & HOOKUP OF THE SPECIFIED EQUIPMENT IS TO BE PERFORMED IN FULL ACCORDANCE WITH ALL AUTHORITY HAVING JURISDICTION.
- WALL PENETRATIONS FOR DRAIN LINES REQUIRE ESCUTCHEON PLATES.
- ALL SERVICES SHOWN WITH SYMBOLS AWAY FROM ANY WALL OR COLUMN SHOULD BE STUBBED OUT OF FLOOR OR CEILING TO MAXIMUM OVERALL HEIGHT AS SHOWN.
- PLUMBING CONTRACTOR SHALL PROVIDE & INSTALL ALL ROUGH-INS. FINAL CONNECTIONS FOR KITCHEN EQUIPMENT FURNISHED BY OTHERS OR THE CONTRACTOR.
- PLUMBING CONTRACTOR TO PROVIDE & INSTALL ALL NECESSARY BACKFLOW PREVENTION DEVICES.

PLUMBING LEGEND	
	DIRECT WASTE
	TRENCH DRAIN (TD)
	FLOOR DRAIN (FD)
	FLOOR DRAIN W/ 4" HIGH FUNNEL (FF)
	FLOOR SINK (FS)
	HUB DRAIN (HD)
	FS 12"x12" FLOOR SINK
	COLD WATER (C.W.)
	HOT WATER (H.W.)
	GAS LINE
	SODA, BEER, WINE LINE CHASE
	INDIRECT DRAIN LINE AS REQUIRED
	+12" A.F.F. - ABOVE FINISHED FLOOR TO CENTER OF ROUGH-IN
	P.C. PLUMBING CONTRACTOR



KEYED NOTES

- ELECTRICAL CONNECTIONS TO BE DROPPED DOWN FROM CEILING. VERIFY EXACT LOCATIONS WITH ELECTRICAL ENGINEER PLANS.
- THE HEATED AIR VENT AND HEATED THRESHOLD SHOULD BE ON ONE CIRCUIT. ALL OTHER ITEMS SHOULD BE ON SEPARATE CIRCUITS.
- FLOOR SINK IS EXISTING TO REMAIN.
- CONDENSATE LINE TO RUN ABOVE SLIDING DOOR AND AIR CURTAIN.

FOOD SERVICE EQUIPMENT ELECTRICAL AND
PLUMBING ROUGH-INS PLAN

CENTRAL WAREHOUSE
FREEZER REPLACEMENT

1400 N AVENUE
NATIONAL CITY, CA 91960

PREPARED FOR THE
BOARD OF EDUCATION
NATIONAL SCHOOL DISTRICT
NATIONAL CITY, CALIFORNIA

PREPARED BY
SGPA ARCHITECTURE
AND PLANNING

SUBMITTALS / REVISIONS

#	ISSUE	DATE
1	DSA SUBMITTAL V1	03/19/2025
2	DSA SUBMITTAL V2	04/30/2025

**BID SET 5/1/2025
NOT FOR
CONSTRUCTION
PROJECT STILL IN
REVIEW**

PROJECT NO. - 2239-E-02

SHEET NO.

K-2.0

DSA

CONSULTANT

STAMP

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