2 SCHEDULE of KITCHEN EQUIPMENT CONNECTIONS

MARK	LOAD DESCRIPTION	LOAD	VOLTAGE	PHASE	CIRCUIT PROTECTION: CIRCUIT BREAKER RATING	FUSED SWITCH RATING	FUSE SIZE AND TYPE	DISCONNECT BY E.C.	TYPE of CONNECTION at EQUIPMENT: RECEPTACLE CORD + PLUG	DIRECT CONNECTION	WIRE SIZE/ QUANTITY (GROUND)	RACEWAY SIZE	SEE NOTE(S) THIS SHEET	OUTLET HEIGHT to CENTER	NEW or EXISTING See NOTE *2
2	MILK COOLER	1/4 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	24"	EXISTING
4	HOT FOOD TABLE	5.0 KW	120/ 208	1	30/2	---	---	NO		●	3#10 (1#10)	1"	1,4	SEE DETAIL	NEW
5	COLD FOOD TABLE	1.98 KVA	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,4	SEE DETAIL	NEW
6	CASHIER'S STAND	1.0 KVA	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,4	SEE DETAIL	NEW
9	DISPOSER	1.5 HP	460	3	15/3	---	---	YES		●	3#12 (1#12)	3/4"	1,5	VERIFY	NEW
10	DISHWASHER	2.25 HP 15.0 KW	460	3	30/3	---	---	YES		●	3#10 (1#10)	1"	1,5	VERIFY	NEW
14	REFRIGERATOR	1/3 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	48"	EXISTING
19	PROOF CABINET	1.44 KVA	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	EXISTING
20	MIXER	3/4 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	NEW
21	FRYER	21.0 KW	460	3	40/3	---	---	NO		●	3#8 (1#10)	3/4"	1,6	SEE DETAIL	NEW
		1/2 HP	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"			
22	CONVECTION OVEN	21.0 KW	460	3	40/3	---	---	NO		●	3#8 (1#10)	3/4"	1,6	SEE DETAIL	EXISTING
23	TILTING BRAISING PAN	15.0 KW	460	3	30/3	---	---	NO		●	3#10 (1#10)	3/4"	1,6	SEE DETAIL	EXISTING
24	CONVECTION OVEN	2@11.0 KW 2@1/3 HP	460	3	40/3	---	---	NO		●	3#8 (1#10)	3/4"	1,6	SEE DETAIL	NEW
26	TILTING KETTLE	12.0 KW 1.0 KVA	460 120	3 1	20/3 20/1	---	---	NO		●	3#12 (1#12)	3/4"	1,6	SEE DETAIL	NEW
28	FOOD PROCESSOR	1/2 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	EXISTING
29	SLICER	1/3 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	EXISTING
30	ICE MAKER	1/2 HP	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	EXISTING
31	CUTTER/MIXER	5.0 HP	460	3	20/3	---	---	NO	●		3#12 (1#12)	3/4"	1,3	36"	EXISTING
33C	COOLER COMPRESSOR	1.2 KVA	120/ 208	3	20/3	---	---	YES		●	4#12 (1#12)	3/4"	1,7	VERIFY	NEW
33E	COOLER EVAPORATOR	0.2 KVA	120	1	20/1	---	---	YES		●	2#12 (1#12)	3/4"	1,7	VERIFY	NEW
33L	COOLER LIGHTS/HEAT	0.5 KVA	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,7	VERIFY	NEW
34C	FREEZER COMPRESSOR	3.0 KVA	120/ 208	3	20/3	---	---	YES		●	4#12 (1#12)	3/4"	1,7	VERIFY	NEW
34E	FREEZER EVAPORATOR	1.3 KVA	208	1	20/2	---	---	YES		●	3#12 (1#12)	3/4"	1,7	VERIFY	NEW
34L	FREEZER LIGHTS/HEAT	0.5 KVA	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,7	VERIFY	NEW
37	HOOD LIGHTS	0.5 KVA	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,8	VERIFY	NEW
38	STACKED WASHER	1/2 HP	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,3	VERIFY	NEW
	STACKED DRYER	3.6 KW	120/ 208	1	30/2	---	---	NO		●	3#10 (1#10)				
39	BOOSTER HEATER	36.0 KW	460	3	60/3	---	---	YES		●	3#4 (1#10)	1"	1,5	VERIFY	NEW
40	BOOSTER HEATER	9.0 KW	460	3	20/3	---	---	YES		●	3#12 (1#12)	3/4"	1,5	VERIFY	NEW
41	WALL-MOUNTED FAN	1/4 HP	120	1	20/1	---	---	YES		●	2#12 (1#12)	3/4"	1,10	VERIFY	NEW
46	FLY FAN	1/2 HP	120	1	20/1	---	---	YES		●	2#12 (1#12)	3/4"	1,11	VERIFY	NEW
52	HOOD FIRE SYSTEM	0.5 KVA	120	1	20/1	---	---	NO		●	2#12 (1#12)	3/4"	1,12	VERIFY	NEW
54	MICROWAVE OVEN	1.0 KW	120	1	20/1	---	---	NO	●		2#12 (1#12)	3/4"	1,3	36"	NEW

LEGEND

EFC - EQUIPMENT FURNISHED CONTROLLER (NOT IN ELECTRICAL CONTRACT)
(1#12) - INDICATES SEPARATE EQUIPMENT (e.g.) CONDUCTOR IN CONDUIT
DE - INDICATES DUAL-ELEMENT (TIME DELAY) FUSE - VERIFY SIZE with M.C.

NOTES for SCHEDULE of KITCHEN EQUIPMENT CONNECTIONS

1. ELECTRICAL CONTRACTOR SHALL MAKE ALL POWER CONNECTIONS TO EQUIPMENT SCHEDULED ABOVE. HE SHALL PROVIDE ALL DISCONNECTS UNLESS SPECIFICALLY NOTED OTHERWISE. STARTERS WILL BE FURNISHED BY THE EQUIPMENT SUPPLIER(S) or BY OTHERS. HE SHALL PROPERLY GROUND ALL EQUIPMENT CONNECTED UNDER THIS CONTRACT. HE SHALL COORDINATE AND COOPERATE WITH OTHER TRADES TO BE SURE THAT PROPER CODE CLEARANCES ARE PROVIDED (AND PRESERVED) AROUND ALL ELECTRICAL EQUIPMENT. EXACT LOCATIONS OF ALL POINTS OF CONNECTION SHALL BE DETERMINED FROM THE EQUIPMENT SUPPLIER/INSTALLER. IF RATINGS OF EQUIPMENT ACTUALLY DELIVERED TO THE JOBSITE DIFFER FROM THOSE SCHEDULED ABOVE, CONTACT THE ENGINEER IMMEDIATELY FOR INSTRUCTIONS.
2. EXISTING KITCHEN EQUIPMENT SHALL BE DISCONNECTED BY THE ELECTRICAL CONTRACTOR AT ITS CURRENT LOCATION. GENERAL CONTRACTOR WILL STORE AND RE-INSTALL EQUIPMENT IN NEW BUILDING - ELECTRICAL CONTRACTOR SHALL RECONNECT EQUIPMENT AFTER IT IS IN PLACE.
3. PROVIDE SPECIFIED DUPLEX RECEPTACLE AT HEIGHT INDICATED.
4. See DETAIL 6/E-11.
5. PROVIDE NEMA 3R DISCONNECT BELOW TABLE AND MAKE CONNECTION TO EQUIPMENT IN PVC-COVERED FLEX AS REQUIRED.
6. See DETAIL 7/E-11. FLEX TO EQUIPMENT AND CONNECT AS REQUIRED.
7. ELECTRICAL CONTRACTOR SHALL DO ALL FIELD WIRING ASSOCIATED WITH THE WALK-IN COOLER & FREEZER. PRIOR TO ROUNGHING, HE SHALL OBTAIN COMPLETE ROUGHING AND CONNECTION INFORMATION FROM THE EQUIPMENT SUPPLIER (GENERAL CONTRACTOR). HE SHALL ROUGH AND CONNECT IN ACCORANCE WITH INFORMATION SUPPLIED.
8. PROVIDE JUNCTION BOX AND MAKE CONNECTION TO PRE-WIRED LIGHTING FURNISHED IN HOOD. ALSO, PROVIDE (WHERE INDICATED) A WALL SWITCH TO CONTROL HOOD LIGHTS.
9. OBTAIN ROUGHING INFORMATION FROM SUPPLIER (GENERAL CONTRACTOR) AND MAKE CONNECTION AS REQUIRED.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A PATTON #VAC-18 WALL-MOUNTED FAN (2 LOCATIONS) - MOUNT AS HIGH AS POSSIBLE ON WALL, OR AS DIRECTED. PROVIDE A SINGLE POLE SWITCH FLUSH IN WALL BELOW FAN (48" A.F.F.) TO CONTROL FAN.
11. See DETAIL 3/E-11. CONNECT AS REQUIRED.
12. MAKE POWER CONNECTION TO HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL (FURNISHED WITH HOOD). CONTROL SHUNT-TRIP COILS IN CIRCUIT BREAKERS (See PANELS SCHEDULES) THROUGH CONTACT FURNISHED IN CONTROL PANEL SO THAT BREAKERS FEEDING COOKING EQUIPMENT UNDER THE HOOD TRIP WHEN THE FIRE SUPPRESSION SYSTEM IS ACTIVATED. ALSO, MAKE ALARM CONNECTION TO BUILDING FIRE ALARM SYSTEM - See FIRE ALARM SYSTEM SPECIFICATIONS.

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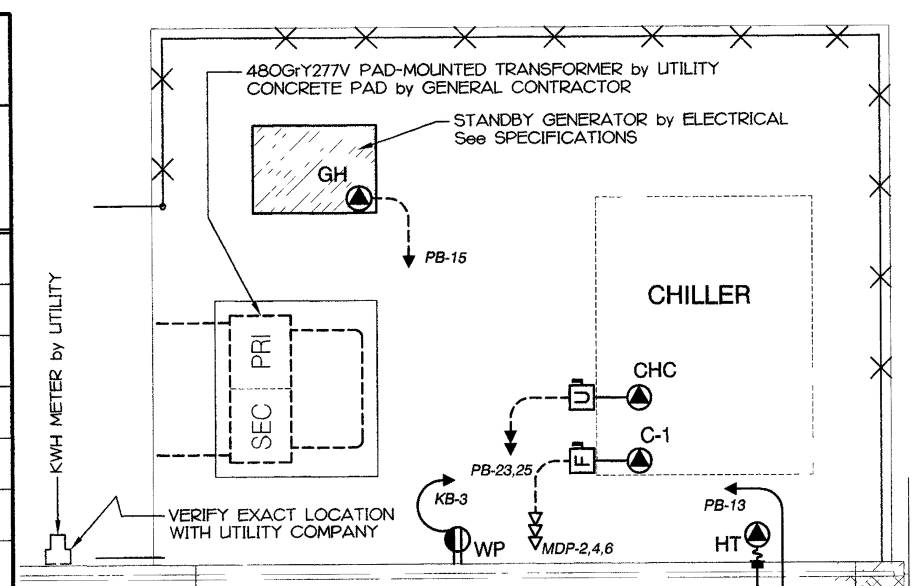
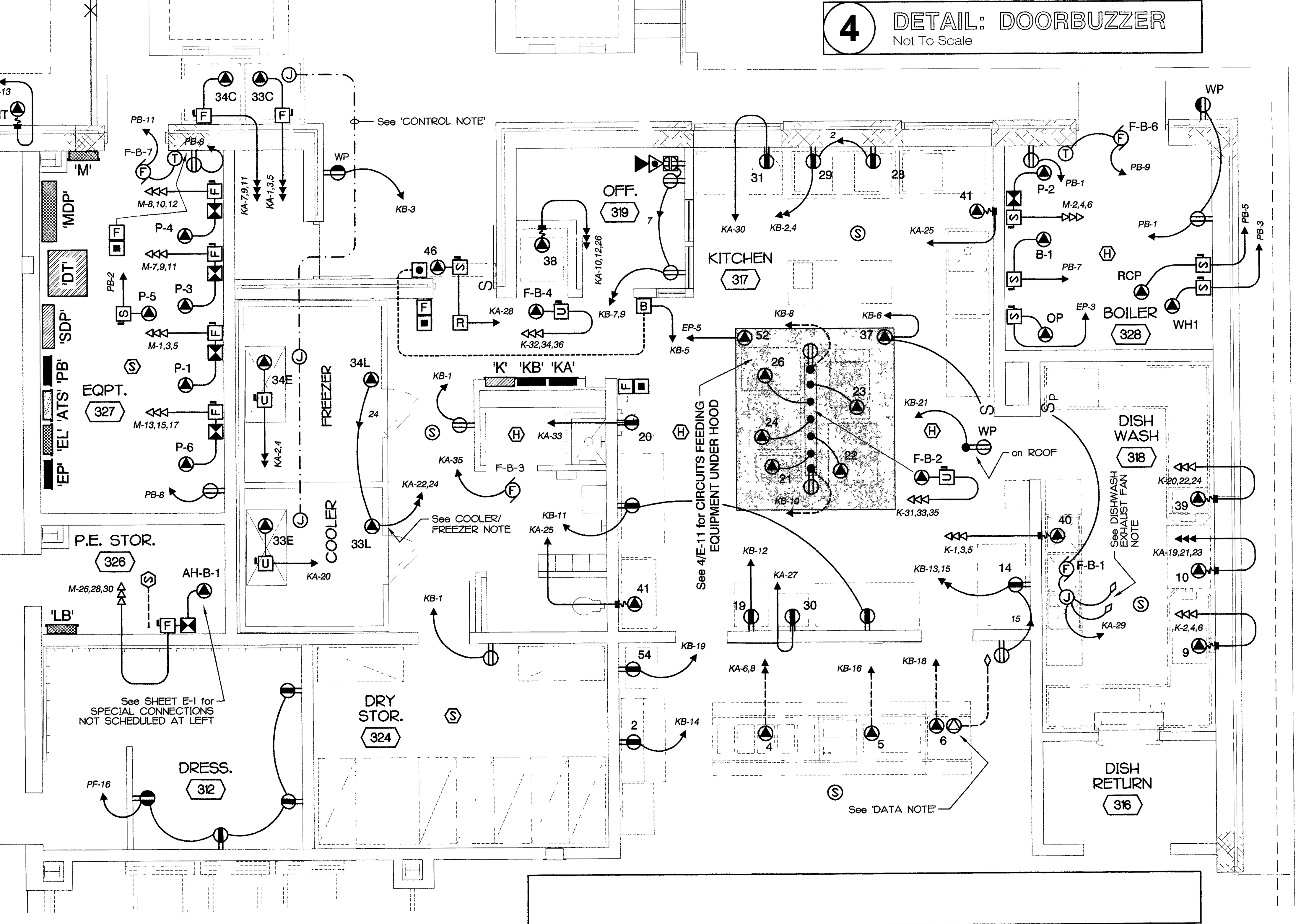
Tuesday, April 21, 1998 4:08 am



3 CIRCUIT SCHEDULE

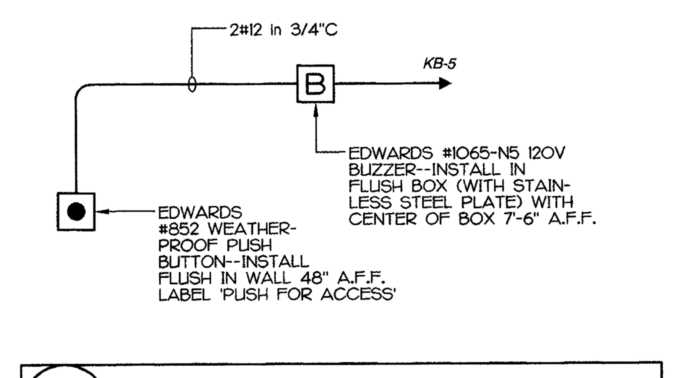
THE FOLLOWING CIRCUITS APPLY TO EQUIPMENT LOCATED UNDER THE HOOD:

ITEM	DESCRIPTION	CIRCUIT(S)
21	FRYER	K-7,9,11 KB-20
22	CONVECTION OVEN	K-14,16,18
23	TILTING BRAISING PAN	K-25,27,29
24	CONVECTION OVEN	K-13,15,17
26	TILTING KETTLE	K-8,10,12 KB-22



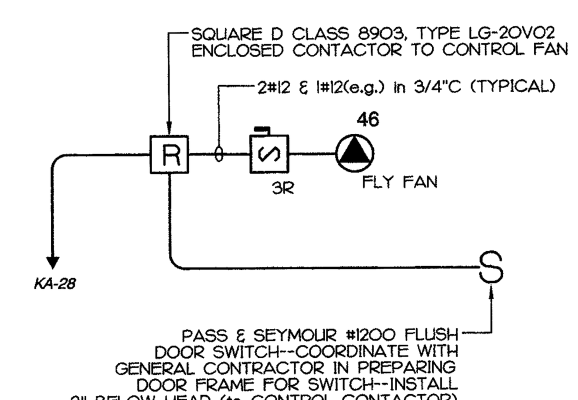
1 ENLARGED KITCHEN PLAN

1/4" = 1' - 0"



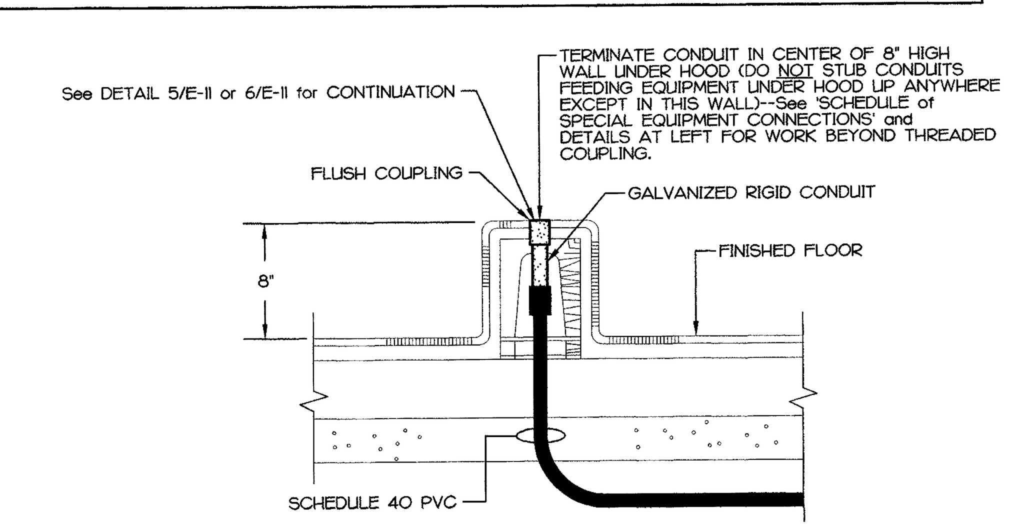
4 DETAIL: DOORBUZZER

Not To Scale



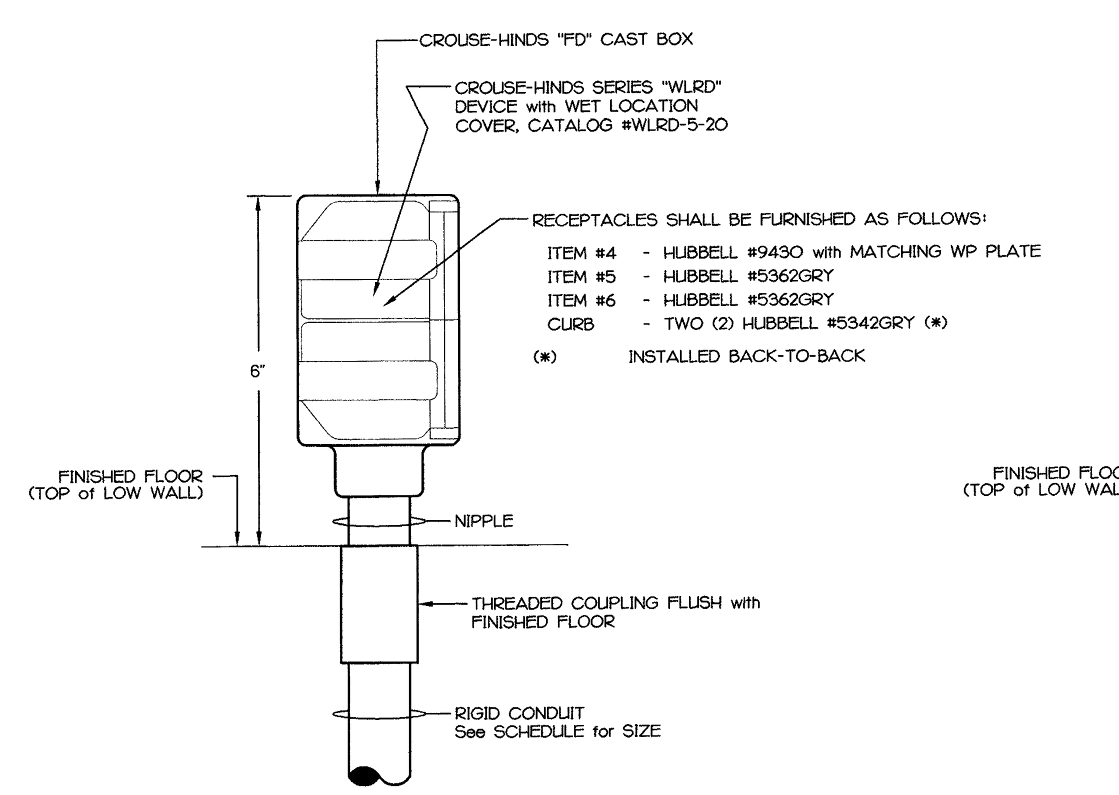
2 DETAIL - FLY FAN

Not To Scale



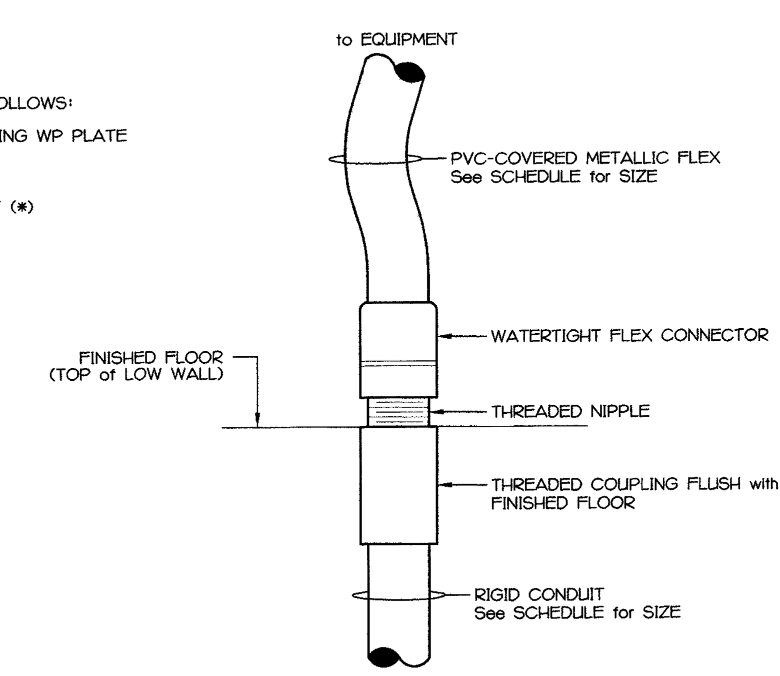
5 DETAIL at CURB UNDER HOOD

Not To Scale



6 DETAIL - STUB W/RECEPTACLE

Not To Scale



7 DETAIL - FLEX CONNECTION

Not To Scale

DATA NOTE
PROVIDE COMPUTER JACK IN FLOOR BOX, RUN CAT 5 CABLE IN 3/4"C FROM FLOOR BOX TO DATA OUTLET IN KITCHEN OFFICE, THROUGH BOX (UNBROKEN) TO MAIN DISTRIBUTION FRAME - See SPECIFICATIONS.

CONTROL NOTE (FREEZER/COOLER)
PROVIDE JUNCTION AT CONDENSING UNITS, IN 'COOLER' & IN 'FREEZER.' CONNECT BOXES WITH 1" CONDUIT & PULL IN 12#12 CONTROL CONDUCTORS--VERIFY QUANTITY & SIZES WITH FREEZER/COOLER SYSTEM INSTALLER. COLOR CODE CONDUCTORS AS DIRECTED AND LEAVE 18" LONG WIRE TAILS AT EACH BOX. ALL CONNECTIONS WILL BE BY OTHERS.

HOOD NOTE
PROVIDE CONNECTION TO PREWIRED HOOD LIGHTS (FURNISHED WITH HOOD). COORDINATE WITH HOOD SUPPLIER AND PROVIDE ALL NECESSARY FIELD WIRING. PROVIDE SWITCH ON WALL WHERE INDICATED TO CONTROL LIGHTS.

GENERAL KITCHEN NOTE
WHERE RECEPTACLES ARE SPECIFIED FOR EQUIPMENT, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH EQUIPMENT SUPPLIER(S) TO BE SURE THAT RECEPTACLE MATCHES PLUG ON EQUIPMENT--IF NOT, EITHER CHANGE RECEPTACLE OR PLUG AS REQUIRED.

DISHWASHER EXHAUST FAN NOTE
MAKE CONNECTION TO DISHWASHER EXHAUST FAN () THROUGH PILOT-LIGHT SWITCH INDICATED. ALSO, CONNECT SWITCH INDICATED IN PARALLEL WITH CONTACT IN DISHWASHER AND THERMOSTAT FURNISHED BY HVAC CONTRACTOR (VERIFY LOCATION) SO THAT FAN WILL RUN IF ANY OF THE THREE (3) CONTACT DEVICES ARE CLOSED. COORDINATE WITH HVAC CONTRACTOR AND DISHWASHER INSTALLER.

FREEZER/COOLER NOTE
PROVIDE SEAL-OFF'S IN ALL CONDUITS ENTERING OR LEAVING REFRIGERATED AREAS.

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SEAL 04/21/98

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ANDREWS
MIDDLE SCHOOL
CHEROKEE COUNTY, N.C.

CHEROKEE COUNTY SCHOOLS

SHEET TITLE: KITCHEN PLAN

DRAWN BY	APPROVED BY
HP	JCB
JOB NO.	AMS/97103
APPROVAL DATE	04/21/98
BID ISSUE DATE	04/28/98

SHEET E-11
OF 14