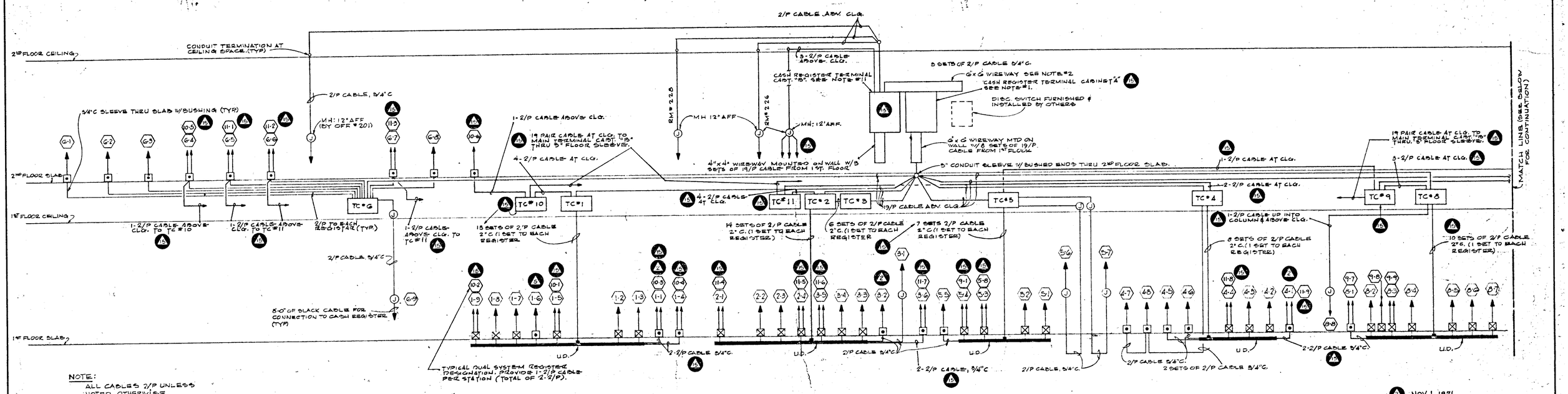



NOTE:
ALL CABLES 2/P UNLESS NOTED OTHERWISE

## CASH REGISTER RISER DIAGRAM

NO SCALE

- NOV. 1, 1971
- APRIL 4, 1972
- AUGUST 23, 1972
- OCT. 20, 1972

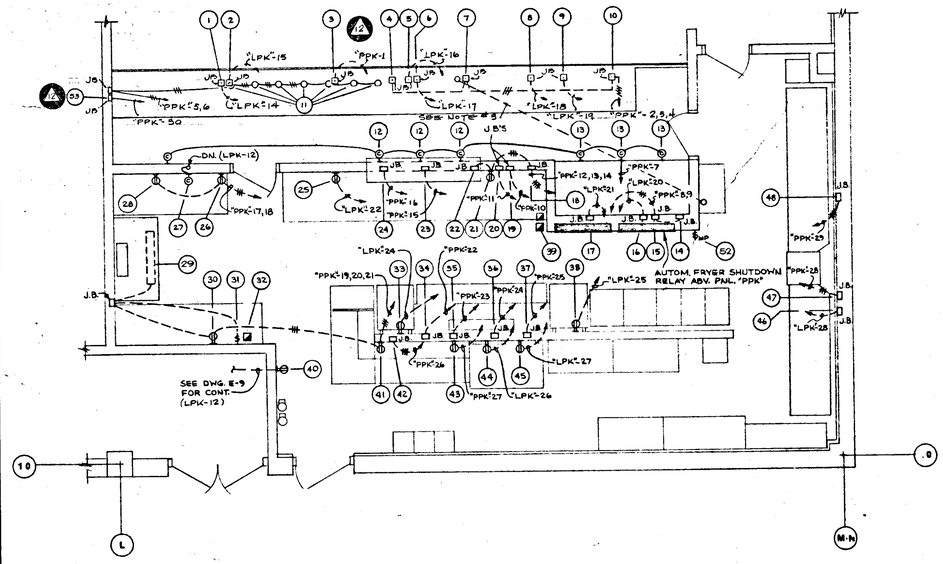
## CASH REGISTER SYSTEM LEGEND

- 3/4" CDT. SLEEVE W/BUSHINGS IN FLOOR SLAB. WIRE DOWN. SEE NOTE #3.
- 8'-0" OF BLACK CABLE FOR CONNECTION TO CASH REGISTER. SEE NOTE #4
- TERMINAL STRIP CABINET. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL AN 12 X 18"X 6"D SHEET METAL BOX W/ 3/4" PLYWOOD BACKBOARD AND HINGED COVER. MOUNT ON COLUMN ABOVE CLG. OR ON WALL 12'-0" AFF AS SHOWN. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) BARRIER TERMINAL STRIPS (CINCH #20-141) AND 3 FANNING STRIPS W/SNAP-ON COVERS IN EACH CABINET. CABINETS SHALL HAVE KNOCKOUTS ON TOP AND BOTTOM.
- FLOOR BOX WITHOUT RECEPTACLE FOR LOW VOLTAGE WIRING. HUBBELL #B-2803.
- DOUBLE UNDERFLOOR DUCT "WALKERDUCT" #2 FOR 120V. AND LOW VOLTAGE WIRING.
- SINGLE UNDERFLOOR DUCT "WALKERDUCT" #2 FOR 120V. WIRING.
- "WALKERDUCT" #915 PSG OUTLET ON UNDERFLOOR DUCT FOR 120V WIRING. OUTLETS SHALL HAVE SPIT BELL NOZZLES. "F" INDICATES CARPET FLANGE.
- "WALKERDUCT" #904 ON UNDERFLOOR DUCT FOR LOW VOLTAGE WIRING. "F" INDICATES CARPET FLANGE.
- UNDERFLOOR DUCT JUNCTION BOX.

LOW VOLTAGE
120V

## CASH REGISTER SYSTEM NOTES

1. CASH REGISTER MAIN TERMINAL CABINET "A" SHALL BE 32"H x 30"W x 4"D W/ 3/4" PLYWOOD BACKBOARD AND KEYED DOOR. CABINET SHALL BE SURFACE MTD. FURNISH AND INSTALL 18 BARRIER TERMINAL STRIPS (CINCH #20-141) AND 18 FANNING STRIPS W/SNAP-ON COVERS. CONNECT ALL CABLE FROM TERMINAL CABINETS AS DIRECTED. TERMINAL STRIPS SHALL BE CINCH #20-141. BOTTOM OF CDT. SHALL BE 3'-0" A.F.F.
2. 6"x6" WIREWAY SHALL CONTAIN 12 SETS OF 11 PAIR CABLES EACH CABLE SHALL BE 10' LONG. ALL WIRES SHALL BE CONNECTED TO TERMINAL STRIPS IN MAIN TERMINAL CABINETS BY ELECTRICAL CONTRACTOR. ALL WIRES IN DISCONNECT SWITCH WILL BE CONNECTED BY OTHERS.
3. ELECTRICAL CONTRACTOR SHALL INSTALL ALL LOW VOLTAGE CABLES. CABLES SHALL BE INSTALLED ABOVE CEILING IN FINISHED AREAS AND EXPOSED IN UNFINISHED AREAS. CABLES SHALL BE FASTENED TO BAR JOISTS OR FLOOR CONSTRUCTION ABOVE WITH BRIDLE RINGS.
4. FINAL CONNECTIONS TO CASH AND TO COMPUTERS IN M.D.T.S. EQUIPMENT ROOM SHALL BE BY THE EQUIPMENT SUPPLIER. THE COMPUTERS IN THE EQUIPMENT ROOM WILL BE SET IN PLACE BY THE EQUIPMENT SUPPLIER.
5. ELECTRICAL CONTRACTOR SHALL MAKE ALL CONNECTIONS TO TERMINAL STRIPS IN TERMINAL CABINETS AND TO TERMINAL STRIPS IN EQUIPMENT ROOM AS DIRECTED BY EQUIPMENT SUPPLIER.
6. ELECTRICAL CONTRACTOR SHALL, AT LOCATIONS SHOWN, INSTALL A 3/4" C. SLEEVE WITH BUSHED ENDS. THE CONDUIT SLEEVE SHALL EXTEND 8" ABOVE AND BELOW FLOOR SLAB.
7. CONNECT #8 GROUND WIRE TO THE GROUND POST IN PANEL. EXTEND GROUND WIRE IN 3/4" CDT. TO THE NEAREST COLD WATER PIPE. CONNECT WITH SUITABLE PIPE CLAMP WHICH SHALL BE ACCESSIBLE. GROUND WIRE SHALL HAVE GREEN INSULATION
8. ALL LOW VOLTAGE CABLE SHALL BE "BELDEN" OF THE FOLLOWING TYPES:
   2 PAIR CABLE: BELDEN #8741
   11 PAIR CABLE: BELDEN #8759
   19 PAIR CABLE: BELDEN #8135
9. ALL RECEPTACLES (120 V) SERVING CASH REGISTERS SHALL HAVE A THIRD WIRE FOR EQUIPMENT GROUND.
10. ALL "BELDEN" CABLE FOR CASH REGISTER WIRING WILL BE FURNISHED BY SEARS.
11. CASH REGISTER MAIN TERMINAL CABINET "B" SHALL BE 32"H x 16"W x 4"D, W/ 3/4" PLYWOOD BACKBOARD AND KEYED DOOR, CABINET SHALL BE SURFACE MTD. FURNISH AND INSTALL 8 BARRIER TERMINAL STRIPS (CINCH #20-141) AND 10 FANNING STRIPS W/SNAP-ON COVERS. CONNECT ALL CABLES FROM TERMINAL CABINETS AS DIRECTED. BOTTOM OF CABT. SHALL BE 3'-0" A.F.F.




## KITCHEN EQUIPMENT PLAN

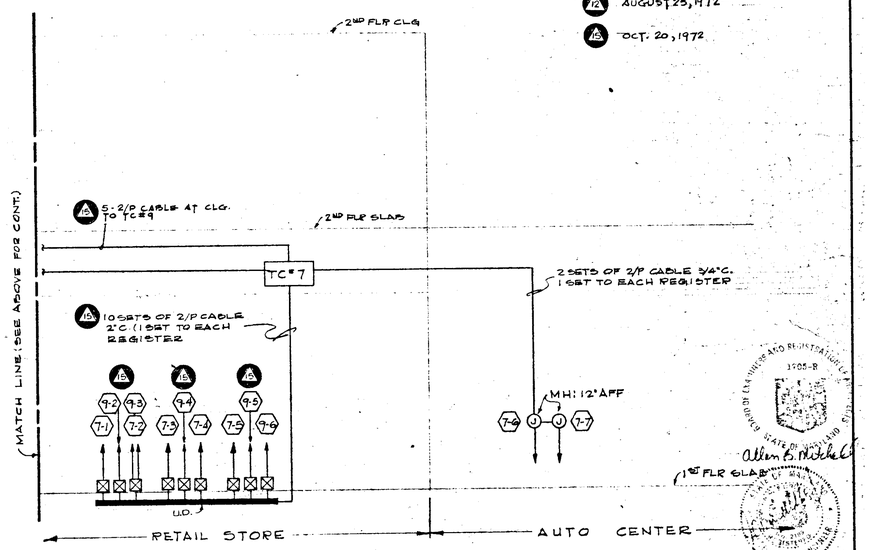
SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT NOTES:

1-SEE DRAWING #E-20 FOR AUTOMATIC FRYER SHUTDOWN RELAYS AND RELATED WIRING.

2-ASTERISK (*) IN EQUIPMENT SCHEDULE INDICATES ITEMS TO BE FURN'D. W/ LOOSE CORD & PLUG. CONTRACTOR SHALL MOUNT AND CONNECT CORD W/ PLUG ON APPLIANCE.

3-ELECTRICAL CONTRACTOR TO PROVIDE 2" DIA. CONDUIT IN FLOOR FOR SYRUP & $CO_2$ LINES. STUB UP 3" AT EACH END W/ MINIMUM RADIUS BENDS.




## KITCHEN EQUIPMENT SCHEDULE

| ITEM NO. | ITEM DESCRIPTION | VOLT. | Φ | LOAD KW | LOAD HP | STUB UP AFF | WIRING NO. | WIRING SIZE | WIRING CDT. | CIRCUIT NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CONDENSING UNIT | 208 | 1 | | 1/2 | 3" | 2 | 12 | 3/4" | LPK-14 | CONNECT TO EQUIP. MTD. J.B. |
| 2 | DISPLAY LIGHTS | 120 | 1 | .3 | | 3" | 2 | 12 | 3/4" | LPK-15 | CONNECT TO FROSTPAN HTR. STRIP (LIGHTS N.I.C.) |
| 3 | FOOD WARMER | 208 | 1 | 4 | | 3" | 2 | 10 | 3/4" | PPK-1 | CONNECT TO EQUIP. MTD. OUTLET |
| 4 | UTILITY OUTLET | 120 | 1 | 1.5 | | 3" | 2 | 12 | 3/4" | PPK-2 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 5 | BEVERAGE COOLER | 120 | 1 | | 1/4-3/4 | 3" | 2 | 8 | 3/4" | LPK-16 | CONNECT TO EQUIP. MTD. J.B. |
| 6 | ICE-MAKER DISPENSER | 120 | 1 | | 3/4 | 3" | 2 | 8 | 3/4" | LPK-17 | DO. |
| 7 | UTILITY OUTLET | 120 | 1 | 1.5 | | 3" | 2 | 12 | 3/4" | PPK-3 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 8 | COFFEE URN | 120/208 | 1 | 5.76 | | 3" | 3 | 8 | 3/4" | LPK-18 | CONNECT TO EQUIP. MTD. J.B. |
| 9 | UTILITY OUTLET | 120 | 1 | 1.5 | | 3" | 2 | 12 | 3/4" | LPK-19 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 10 | CASH REGISTER | 120 | 1 | 1.5 | | 3" | 2 | 12 | 3/4" | PPK-4 | CONNECT TO EQUIP. MTD. OUTLET |
| 11 | HEAT LAMPS (7) | 120 | 1 | .25(7) | | CLG. | 2 | 12 | 3/4" | PPK-5,6 | CONNECT TO EQUIP. MTD. J.B. (LAMPS N.I.C.) |
| 12 | MENU SIGNS (4) | 120 | 1 | .1(4) | | 81" | 2 | 12 | 3/4" | PPK-7 | PROVIDE CLOCK HANGER OUTLETS |
| 13 | MENU SIGNS (3) | 120 | 1 | .1(3) | | 94" | 2 | 12 | 3/4" | PPK-7 | DO. |
| 14 | UTILITY OUTLET | 120 | 1 | .75 | | 16" | 2 | 12 | 3/4" | PPK-8 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 15 | HOT CHOCOLATE OUTLET | 120 | 1 | .75 | | 54" | 2 | 12 | 3/4" | PPK-9 | PROVIDE DUPLEX 15A, 120V. OUTLET |
| 16 | CONDENSING UNIT | 120 | 1 | | 1/4 | 16" | 2 | 12 | 3/4" | LPK-20 | CONNECT TO EQUIP. MTD. J.B. |
| 17 | MILK DISPENSER OUTLET | 120 | 1 | .6 | 1/4 | 54" | 2 | 10 | 3/4" | LPK-21 | PROVIDE 30A, 120V. OUTLET |
| 18 | UTILITY OUTLET | 120 | 1 | 1.5 | | 16" | 2 | 12 | 3/4" | PPK-12 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 19 | MICROWAVE OVEN OUTLET | 208 | 1 | 8.6 | | 16" | 2 | 10 | 3/4" | PPK-10 | INSTALL HUBBELL #5461 FURN'D BY OTHERS |
| 20 | TOASTER OUTLET | 120 | 1 | 2.3 | | 16" | 2 | 10 | 3/4" | PPK-11 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 21 | HEAT LAMP OUTLET | 120 | 1 | 1.15 | | 66" | 2 | 12 | 3/4" | PPK-13 | PROVIDE DUPLEX 20A, 120V. OUTLET (*) |
| 22 | ROLL WARMER | 120 | 1 | 1 | | 16" | 2 | 12 | 3/4" | PPK-14 | CONNECT TO EQUIP. MTD. J.B. |
| 23 | FOOD WARMER | 208 | 1 | 2 | | 16" | 2 | 12 | 3/4" | PPK-15 | DO. |
| 24 | HEAT LAMPS OUTLET | 120 | 1 | .5 | | 16" | 2 | 12 | 3/4" | PPK-16 | INSTALL HUBBELL #5252 FURN'D BY OTHERS |
| 25 | REFRIGERATOR | 120* | 1 | .8 | 1/2 | 90" | 2 | 10 | 3/4" | LPK-22 | PROVIDE 30A, 120V. OUTLET (*) |
| 26 | UTILITY OUTLET | 120 | 1 | .75 | | 48" | 2 | 12 | 3/4" | PPK-17 | PROVIDE DUPLEX 20A, 120V OUTLET |
| 27 | CLOCK OUTLET | 120 | 1 | .05 | | 84" | 2 | 12 | 3/4" | LPK-12 | PROVIDE CLOCK HANGER OUTLET |
| 28 | UTILITY OUTLET | 120 | 1 | .75 | | 48" | 2 | 12 | 3/4" | PPK-18 | PROVIDE DUPLEX 20A, 120V. OUTLET |

| ITEM NO. | ITEM DESCRIPTION | VOLT. | Φ | LOAD KW | LOAD HP | STUB UP AFF | WIRING NO. | WIRING SIZE | WIRING CDT. | CIRCUIT NO. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | HOOD LIGHTS | 120 | 1 | .2 | | 62" | 2 | 12 | 3/4" | PPK-19 | CONNECT TO EQUIP. MTD. J.B. |
| 30 | UTILITY OUTLET | 120 | 1 | 1.5 | | 48" | 2 | 12 | 3/4" | PPK-20 | PROVIDE DUPLEX 20A, 120V. OUTLET |
| 31 | HOOD LIGHT SWITCH | 120 | 1 | — | — | 48" | 2 | 12 | 3/4" | — | PROVIDE TOGGLE, SP, 15A, 120V. SWITCH |
| 32 | EXH. FAN #20 SWITCH | 208 | 3 | — | — | 48" | 3 | 12 | 3/4" | LPK-23 | PROVIDE START-STOP, W/PILOT LT., P.B. STATION |
| 33 | FREEZER | 120 | 1 | .5 | 1/2 | 90" | 2 | 10 | 3/4" | LPK-24 | PROVIDE 30A, 120V. OUTLET (*) |
| 34 | FRYER | 208 | 1 | 5.5 | | 39" | 2 | 8 | 3/4" | PPK-22 | PROVIDE HUBBELL #9330OR EQUAL (*) |
| 35 | FRYER | 208 | 1 | 5.5 | | 39" | 2 | 8 | 3/4" | PPK-23 | DO. (*) |
| 36 | BOILER | 208 | 1 | 4.5 | | 39" | 2 | 8 | 3/4" | PPK-24 | DO. (*) |
| 37 | OVEN | 208 | 1 | 5 | | 39" | 2 | 8 | 3/4" | PPK-25 | PROVIDE HUBBELL #9430 OR EQUAL (*) |
| 38 | REFRIGERATOR | 120 | 1 | .3 | 1/3 | 90" | 2 | 12 | 3/4" | LPK-25 | PROVIDE DUPLEX 20A, 120V. OUTLET (*) |
| 39 | EXH. FAN #21 SWITCH | 208 | 3 | — | — | 48" | 3 | 12 | 3/4" | — | PROVIDE START-STOP, W/PILOT LT., P.B. STATION |
| 40 | TIME CLOCK OUTLET | 120 | 1 | .75 | | 24" | 2 | 12 | 3/4" | LPK-12 | PROVIDE DUPLEX 20A, 120V OUTLET |
| 41 | UTILITY OUTLET | 120 | 1 | 1.5 | | 50" | 2 | 12 | 3/4" | PPK-21 | PROVIDE DUPLEX 20A, 120V OUTLET UNDER TABLE |
| 42 | DISPOSER | 208 | 3 | | 1/2 | 24" | 3 | 12 | 3/4" | PPK-26 | INSTALL CONTROL PNL. FURN'D BY OTHERS |
| 43 | CHOPPER OUTLET | 120 | 1 | | | 48" | 2 | 12 | 3/4" | PPK-27 | PROVIDE DUPLEX 20A, 120V. OUTLET |
| 44 | DUAL TEMP. (REFR. SEC) | 120 | 1 | .3 | 1/4 | 90" | 2 | 12 | 3/4" | LPK-26 | DO. (*) |
| 45 | DUAL TEMP. (FREER. SEC) | 120 | 1 | .5 | 1/2 | 90" | 2 | 10 | 3/4" | LPK-27 | PROVIDE 30A, 120V. OUTLET (*) |
| 46 | BOOSTER HEATER | 208 | 3 | 12 | | 24" | 3 | 6 | 1" | LPK-28 | CONNECT TO EQUIP. MTD. J.B. |
| 47 | DISHWASHER | 208 | 3 | 5 | 1 | 24" | 3 | 8 | 3/4" | PPK-28 | DO. |
| 48 | DISPOSER | 208 | 3 | | 1 1/2 | 24" | 3 | 12 | 3/4" | PPK-29 | INSTALL CONTROL PNL. FURN'D BY OTHERS |
| 49 | EXH. FAN #20 | 208 | 3 | | 1 | ROOF | 3 | 12 | 3/4" | LPK-23 | SEE ITEM #32 FOR CONTROL |
| 50 | EXH. FAN #21 | 208 | 3 | | 1 1/2 | ROOF | 3 | 12 | 3/4" | LPK-29 | SEE ITEM #39 FOR CONTROL |
| 51 | EXH. FAN #22 | 120 | 1 | | 1/6 | ROOF | 2 | 12 | 3/4" | LPK-30 | SEE ITEM #52 FOR CONTROL |
| 52 | EXH. FAN #22 SWITCH | 120 | 1 | — | — | 48" | 2 | 12 | 3/4" | — | PROVIDE TOGGLE, SP, HP RATED, 15A, 120V. W/PLT. BW. |
| 55 | SOFFIT LIGHTS | 120 | 1 | 1.0 | — | 102" | 2 | 12 | 3/4 | PPK-30 | CONNECT TO EQUIP. MTD. J.B. (LAMPS N.I.C.) |

ABM

ALLAN B. MITCHELL and ASSOCIATES ARCHITECTS PITTSBURGH, PA.

R1634 O86 E22

CASH REGISTER SYSTEM & KITCHEN EQUIPMENT
RETAIL STORE and 23 CAR AUTO SERVICE
SEARS ROEBUCK & COMPANY
SECURITY SQUARE - BALTIMORE WEST, MARYLAND

SCALE AS NOTED
DATE AUGUST 16, 1971
REVISED

DRAWING NUMBER E-22