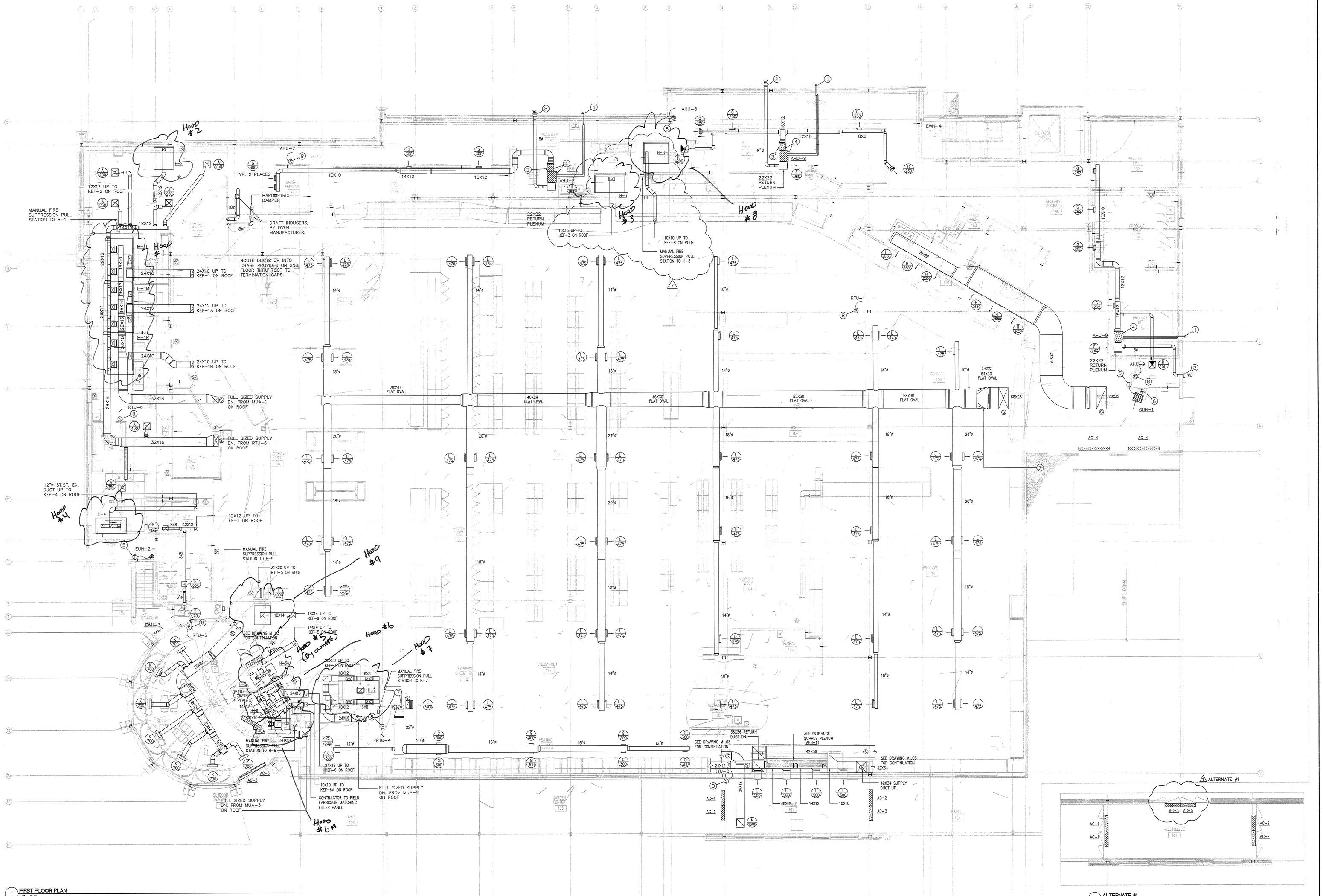

1 FIRST FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH ACTUAL NORTH

2 ALTERNATE #1
1/8" = 1'-0"

PLAN NORTH ACTUAL NORTH

HVAC NOTES BY SYMBOLS

1. NEW FACTORY SUPPLIED CONCENTRIC TERMINATION KIT UP THROUGH ROOF. MAINTAIN 10 FEET CLEARANCE FROM ALL OUTSIDE AIR DISCHARGE. MAINTAIN MANUFACTURERS VENT LENGTH PARAMETERS AS DESCRIBED IN THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. NEW 8"ø OUTSIDE AIR DUCT UP ABOVE CEILING THRU EXTERIOR WALL. PROVIDE W/ WALL CAP. MOVE DUCT AS REQUIRED TO MAINTAIN A MINIMUM OF 10 FEET FROM ANY EXHAUST TERMINATION.
3. INSULATED LIQUID AND VAPOR LINES FROM EVAP COILS TO CONDENSERS, RUN AS HIGH AS POSSIBLE. CONTRACTOR TO VERIFY SIZE FOR LENGTH OF RUN AND RISE PER MANUFACTURERS SPECIFICATIONS.
4. ROUTE TO NEAREST CONDENSATE STANDPIPE. SEE PLUMBING DWGS FOR LOCATIONS.
5. PROVIDE ADHESIVE LABEL ON T'STAT WITH NOTATION "HEATING ONLY THERMOSTAT".
6. FLUE VENT PIPE FROM UNIT HEATER UP THRU ROOF. MAINTAIN CLEARANCES TO COMBUSTIBLES PER FLUE MANUFACTURERS GUIDELINES. REFER TO SCHEDULE FOR VENT SIZE. MAINTAIN MINIMUM CLEARANCE TO AIR INTAKES.
7. CONTRACTOR TO PROVIDE TRANSITION FROM RECTANGLE TO FLAT OVAL DUCT.
8. PROVIDE NEW TEMPERATURE SENSOR ON WALL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT. PROVIDE NEW WIRING FROM AHU'S TO SENSORS AND CONTROL PANEL. VERIFY CONTROL PANEL LOCATION WITH DANFOSS .

HVAC GENERAL NOTES

1. COORDINATE THE EXACT LOCATION OF CEILING MOUNTED AIR DEVICES WITH ARCH. REFLECTED CEILING PLAN.
2. DUCTWORK DIMENSIONS LISTED ON DRAWING INDICATES AIRSTREAM DIMENSION REQUIREMENTS.
3. CONTRACTOR SHALL ROUTE DUCTWORK WITHIN THE CEILING SPACE AS HIGH AS POSSIBLE TO MAINTAIN MAXIMUM CLEARANCE ALLOWABLE.
4. CONTRACTOR TO PROVIDE FIRE/SMOKE DAMPER AT ALL RATED WALL PENETRATIONS. PROVIDE ACCESS PANELS AT REQUIRED LOCATIONS.
5. SEE INSULATION SCHEDULE ON SHEET M0.02 FOR DUCT INSULATION REQUIREMENTS.
6. MANUFACTURER'S INSTALLATION REQUIREMENTS SHALL BE COMPATIBLE WITH DIFFUSER COLLAR DIMENSION.
7. DIV. 16 TO PROVIDE SMOKE DETECTORS. DIV. 15 TO INSTALL IN SUPPLY AND RETURN DUCT FOR ALL AIR CONDITIONING UNITS AT OR ABOVE 2000 CFM. WIRED BY DIV. 16.
8. CONFIRM THAT ALL MECHANICAL EQUIPMENT MEETS LOCAL BUILDING, DESIGN AND ENERGY CRITERIA PRIOR TO PURCHASE.
9. ALL FLEXIBLE DUCT RUNS SHALL NOT EXCEED 5'-0" IN LENGTH.
10. CONTRACTOR TO VISIT SITE PRIOR TO BID TO VERIFY EXACT LOCATION FOR ALL ROOF MOUNTED EQUIPMENT. CONTRACTOR TO CARRY ALLOWANCE IN BID FOR ADDITIONAL DUNNAGE FOR CONDENSING UNITS. CONTRACTOR TO CARRY ALLOWANCE IN BID FOR ADDITIONAL DUCT AND PIPING RUNS NEEDED BASED ON EXACT LOCATION OF ROOF MOUNTED EQUIPMENT.
11. CONTROLS MANUFACTURER IS DANFOSS. CONTRACTOR TO PROVIDE CONTROLS AND EQUIPMENT NEEDED. COORDINATE WITH DANFOSS REPRESENTATIVE, PETER FLYNN, PHONE # 508-294-5221.
12. DISHWASHER TO BE PROVIDED WITH FAN CONTROL SWITCH AND DELAY OFF TIMER.
13. ALL GREASE DUCT SYSTEMS SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 16 GA. IN THICKNESS WITH CONTINUOS WELDED LIQUID TIGHT SEAMS. PROVIDE CLEAN-OUTS AND PITCH DUCT TOWARDS HOOD AS REQUIRED BY CODE. WHERE 18" MINIMUM CLEARENCE TO COMBUSTABLES IS NOT POSSIBLE, DUCTWORK MUST BE COVERED WITH A CALCIUM SILICATE TYPE INSULATION AND A 2" MINIMUM CLEARENCE MUST BE MAINTAINED.
14. CONTRACTOR TO PROVIDE ALL TRANSITIONS AND CONNECTIONS FROM DUCTWORK TO EXHAUST HOOD COLLARS.
15. DISHWAHSER EXHAUST DUCT SHALL BE 18GA. STAINLESS STEEL FROM DISHWASHER TO EXHAUST FAN ON ROOF. IF OFFSET IS REQIRED USE WELDED ELBOWS.
16. CONTRACTOR TO PROVIDE YOUNGS REGULATORS AT ALL DIFFUSER AND GRILLE LOCATED IN GYPSUM CEILINGS.

BERNER AIR ENTRANCE SYSTEM

MODEL #.....AES1-016
OPENING WIDTH.....16FEET
NOZZLE OPENING.....1.5 FEET X 16 FEET
AIR FLOW (CFM).....20004

NO LIGHTING FIXTURES

RETURN PLENUM GRATING TO BE HEAVY DUTY GRADE, AND REINFORCED PIT FRAMING.

CONTRACTOR TO CONTACT STEVE BENES AT BERNER INTERNATIONAL FOR BUDGET PRICING AND SPECIFICATIONS OF AES-1. PHONE # 724-658-3551, FAX # 724-652-0682.

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355 Research Parkway
Meriden, CT 06450
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(203) 630-2815 Fax

WHOLE FOODS MARKET

EQUIPMENT AND VE CHANGES

PROPOSED GROCERY STORE
2 SOMERSET STREET
PORTLAND, CUMBERLAND COUNTY, MAINE

No.	Date	Desc.

No.	Date	Desc.
1	4/10/06	ISSUE SET AT PERMIT STAGE AND ADDED OWNER'S

REVISIONS

ARCHITECT/ENGINEER SEAL

Designed
Drawn
Checked
Approved
Scale AS NOTED
Project No. 04C0829
Date 04-24-06
CAD File

Title
FIRST FLOOR HVAC PLAN

Sheet No.
M1.01

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