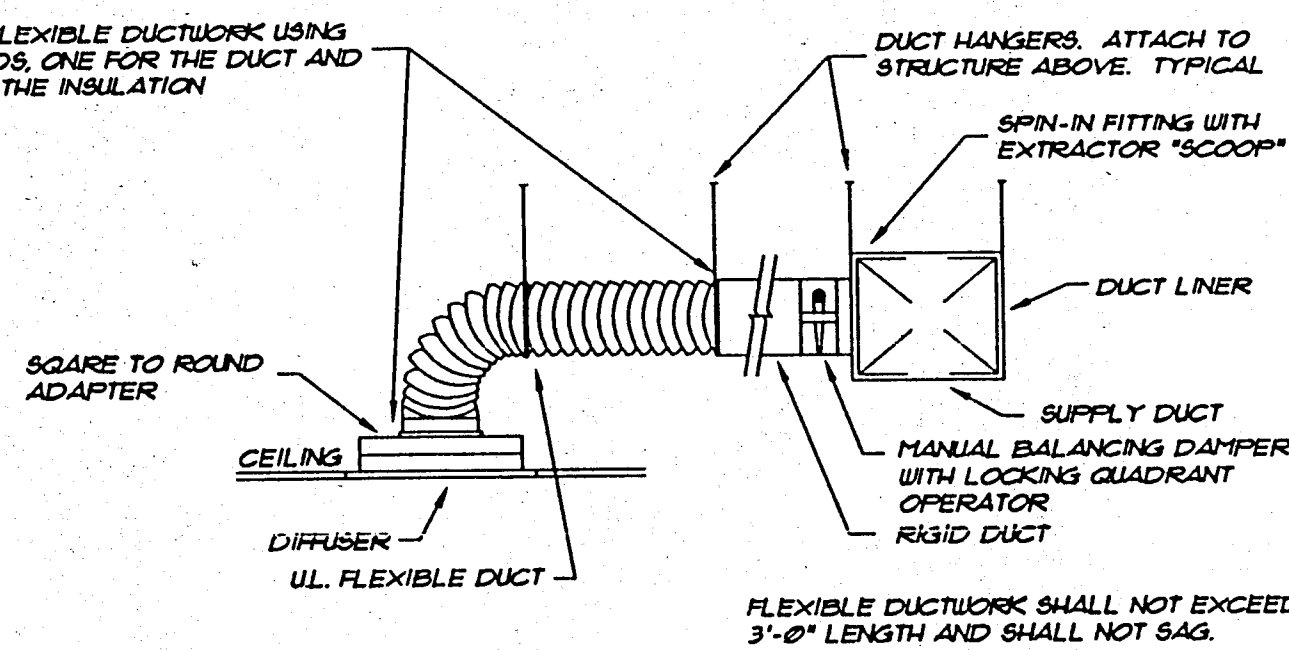
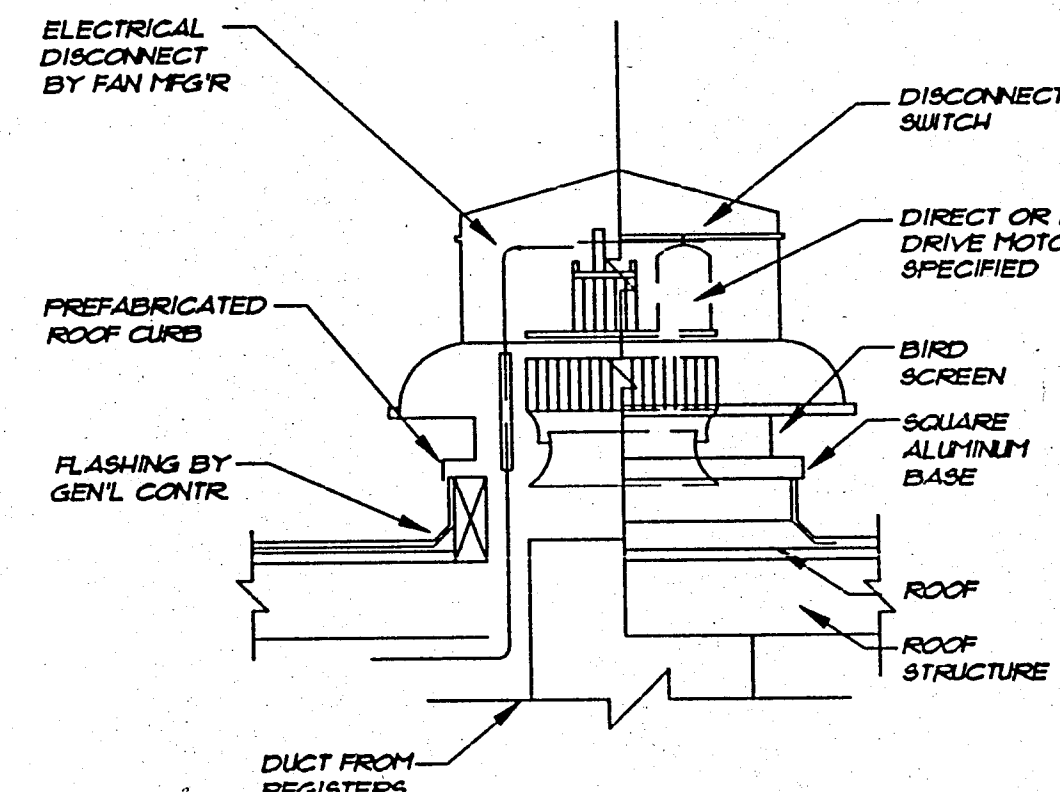


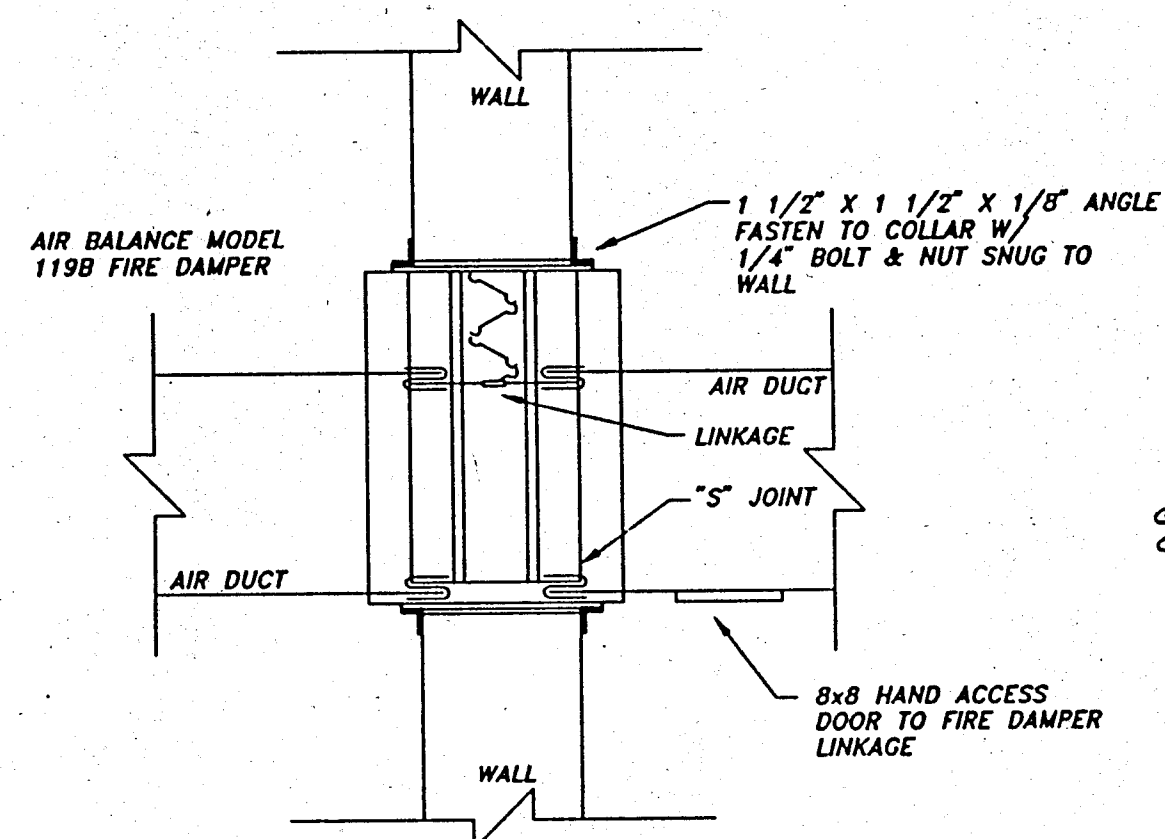
ATTACH FLEXIBLE DUCTWORK USING TWO BANDS, ONE FOR THE DUCT AND ONE FOR THE INSULATION



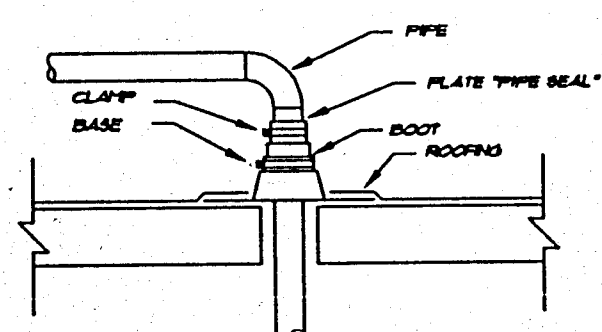
DUCT CONNECTION DETAIL
NO SCALE



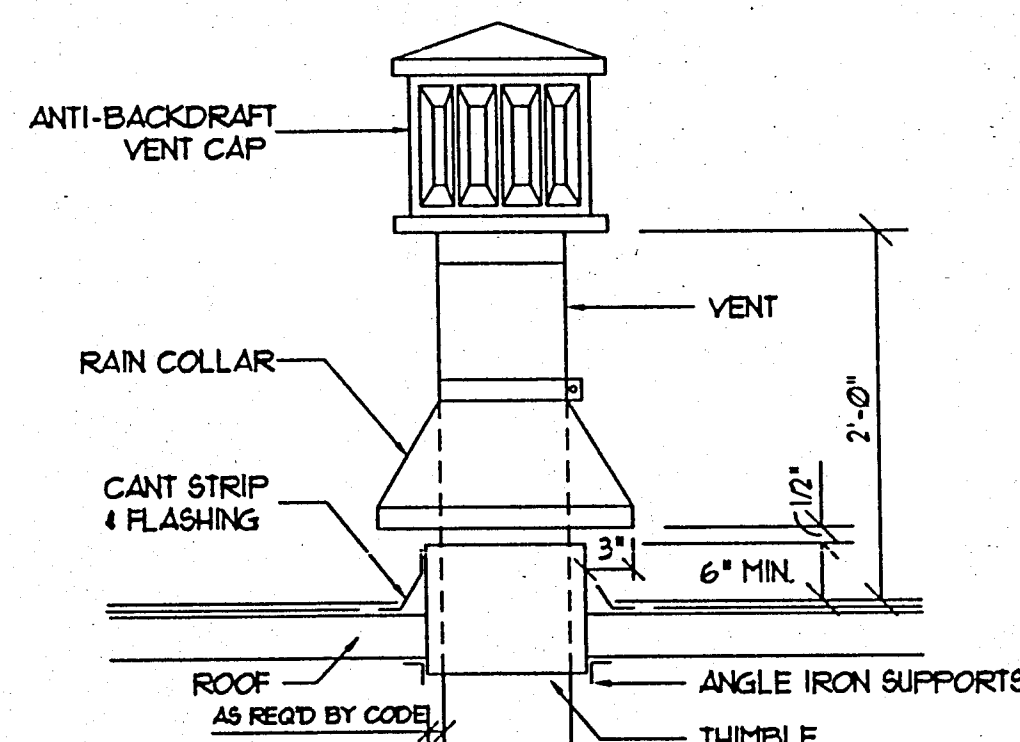
EXHAUST FAN DETAIL
N.T.S.



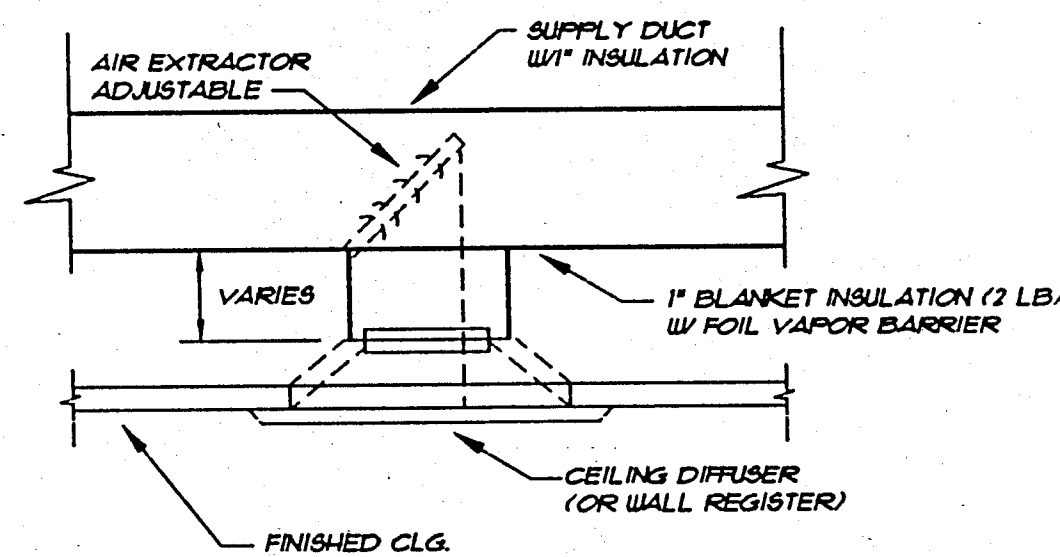
FIRE DAMPER DETAIL
N.T.S.



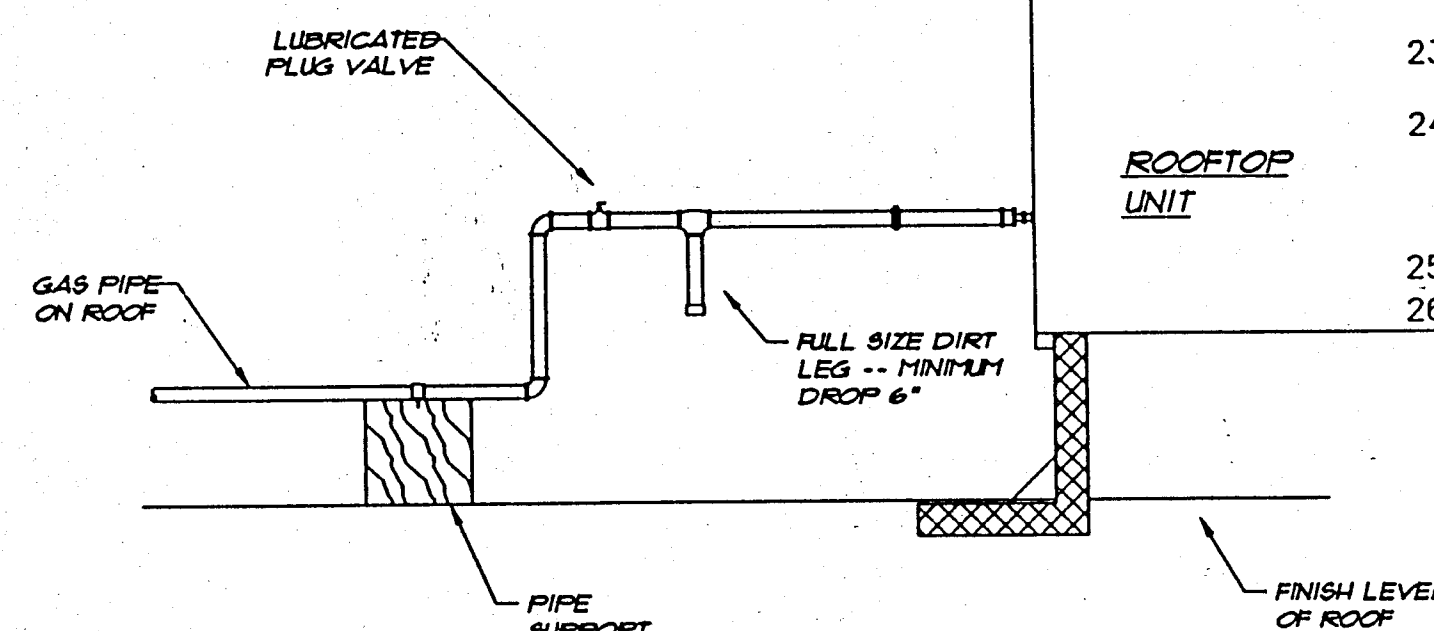
PIPE PENETRATION DETAIL
N.T.S.



FLUE DETAIL
N.T.S.

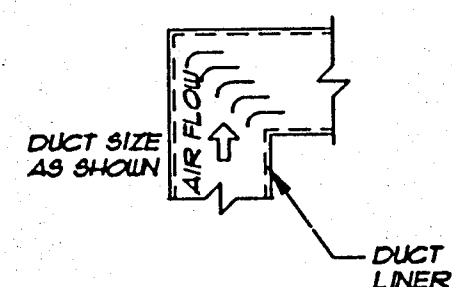


CEILING DIFFUSER DETAIL OR WALL REGISTER DETAIL
N.T.S.



GAS CONNECTION DETAIL
NO SCALE

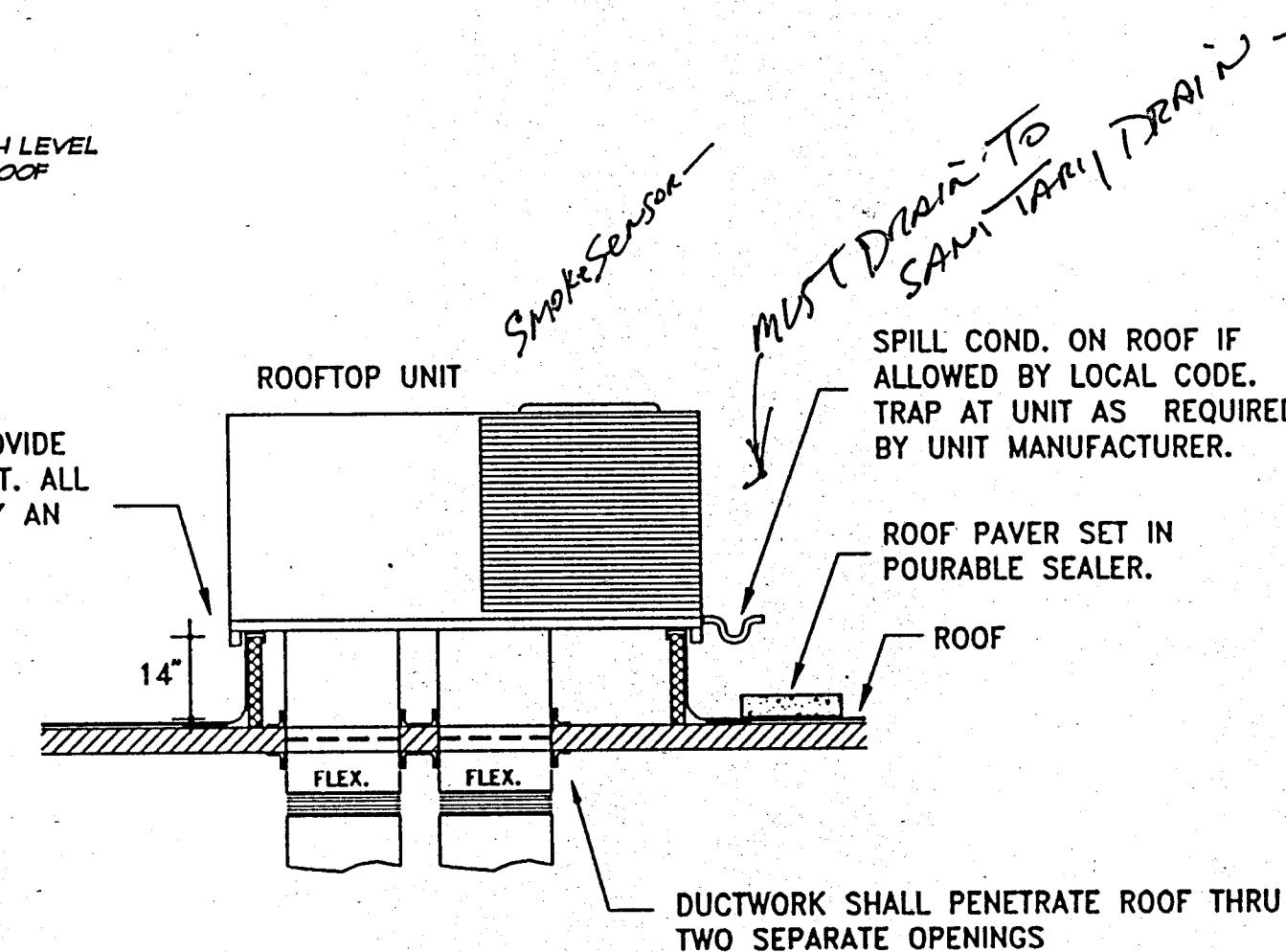
SLOPE CURB AS REQUIRED TO PROVIDE LEVEL MOUNTING OF ROOFTOP UNIT. ALL ROOF CUTS SHALL BE FLASHED BY AN APPROVED ROOFER TO RETAIN THE FULL ROOF WARRANTY.



TURNING VANE DETAIL

GENERAL PLUMBING NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL PLUMBING LAYOUTS AND PIPE ROUTING AND ARE FOR BIDDING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE DETAILED SHOP DRAWINGS AND CONFIRM SPACE ALLOCATIONS.
2. ALL WORK SHALL CONFORM TO THE PLUMBING CODE, LOCAL AND STATE BUILDING CODES AND HEALTH REGULATIONS HAVING JURISDICTION.
3. CONTRACTOR SHALL OBTAIN ALL FIELD APPROVALS AND PERMITS FROM GOVERNING AGENCIES AS REQUIRED.
4. ROUGH-IN AND MAKE FINAL CONNECTIONS TO ALL FOOD PREP EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR ALL ROUGH-INS.
5. FURNISH AND/OR INSTALL ALL NECESSARY VALVES, TRAPS, FLOW CONTROLS, FILTERS, BACKFLOW PREVENTERS, FAUCETS, STOPS, TAILPIECES, VACUUM BREAKERS, ETC. IF NOT FURNISHED ON OR WITH EQUIPMENT.
6. FURNISH AND INSTALL HAND SHUT-OFF VALVES ON ALL HOT AND COLD WATER LINES AT STUB-IN AND AS SHOWN ON PLANS.
7. ALL WASTE AND VENT SHALL BE CAST IRON (PVC-DWV MAY BE USED WHERE ALLOWED BY CODE).
8. FURNISH AND INSTALL WATER AND DRAIN PIPING FROM ALL FOOD PREP EQUIPMENT WHETHER OR NOT SHOWN ON DRAWINGS.
9. FURNISH AND INSTALL APPROVED CHROME PLATED TYPE VACUUM BREAKERS WHERE REQUIRED BY CODE AND AS SHOWN ON PLANS.
10. CONTRACTOR SHALL VERIFY ALL FLOW LINES PRIOR TO ROUGHING IN.
11. CONTRACTOR MAY RE-LAYOUT TO HIS ADVANTAGE CODE EQUIVALENT PLUMBING SO AS TO REDUCE INSTALLATION COSTS OR TO REROUTE TO AVOID CONFLICTS WITH OTHER TRADES AFTER FIRST RECEIVING APPROVAL OF ARCHITECT/ENGINEER.
12. PLUMBING CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR ALL VOLTAGES, ELECTRICAL LOADS, ETC. OF ALL ELECTRICALLY OPERATED EQUIPMENT PRIOR TO ORDERING EQUIP.
13. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL BLDG. DIMENSIONS, DETAILS, ELEVATIONS AND EXACT LOCATION OF PLUMBING FIXTURES.
14. PLUMBING CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, HVAC, SPRINKLER AND ALL OTHER TRADES FOR PIPE ROUTING AND EQUIPMENT PLACEMENT. AVOID INTERFERENCE WITH ARCHITECTURAL FEATURES, BEAMS, FOOTINGS, WINDOWS, ETC. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
15. SLEEVES SHALL BE INSTALLED WHERE PIPING PASSES THRU STRUCTURE. SLEEVES SHALL BE EQUAL TO "PROSET".
16. ALL OPENINGS THRU RATED WALLS OR FLOORS SHALL BE SEALED WITH AN APPROVED FIREPROOFING TO MAINTAIN THE INTEGRITY OF THE WALL OR FLOOR.
17. PROVIDE MANUFACTURED COMPATIBLE PIPE HANGERS, RODS AND INSERTS, OR CLAMPS FOR THE PROPER SUPPORT OF ALL PIPING.
18. BAND IRON, TIE WIRE, METAL STRAPPING OR WIRE STRAPPING WILL NOT BE PERMITTED.
19. PROVIDE SUITABLE BACKING AND SUPPORT FOR ALL EQUIPMENT.
20. VIBRATION AND/OR PIPE SWAY WILL NOT BE PERMITTED.
21. VIBRATORS SHALL BE A MINIMUM OF 15'-0" OR AS REQUIRED BY THE FROM A/C INTAKES.
22. SET ALL VTR'S AS REQUIRED WHETHER OR NOT SHOWN ON DRAWINGS.
23. PROVIDE ALL VTR'S WITH 4 LB. HIGH BOOT LEAD FLASHING OR AS REQUIRED BY ROOFING MANUFACTURER.
24. PLUMBING CONTRACTOR SHALL FURNISH ACCESS PANELS TO BE INSTALLED BY GENERAL CONTRACTOR AS REQUIRED FOR PLUMBING INSTALLATIONS. ALL VALVES AND SHUTSTOPS SHALL BE ACCESSIBLE.
25. PROVIDE LEAD FLASHING FOR ALL FLOOR DRAINS.
26. UPON COMPLETION OF THE WORK COVERED BY THIS CONTRACT, FURNISH THE OWNER WITH ONE COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS WHICH SHOW ALL PLUMBING INSTALLED UNDER THIS CONTRACT.



ROOFTOP UNIT

DRAIN, CLEANOUT AND HYDRANT SCHEDULE

SYMBOL	FIXTURE	MANUF.	DESCRIPTION
NFWH	WALL HYDRANT	WOODFORD	MODEL 65 SERIES NON-FREEZE ANTI-SIPHON WALL HYDRANT WITH BRONZE CASING & INTEGRAL BACKFLOW PREVENTER
FCO	FLOOR CLEANOUT	WADE	#W-6030 CAST IRON CLEANOUT WITH SECURED SCORiated COVER
WCO	WALL CLEANOUT	WADE	#W-8450-R FOR DRY OR BLOCK WALL CONSTRUCTION OR #W-8450-130-C FOR PLASTER OR TILE WALL CONSTRUCTION
GCO	GRADE CLEANOUT	WADE	#W-6030-Z CAST IRON C.O. WITH LOOSE SET TRACTOR TOP SET IN 12"x12"x6" CONCRETE PAD
FD-1	FLOOR DRAIN	WADE	#W-1100 CAST IRON FLOOR DRAIN WITH SATIN NICKEL BRONZE STRAINER AND #27 SEDIMENT BUCKET
FS-1	FLOOR SINK	WADE	#W-9110-65-15 CAST IRON FLOOR SINK W/ SATIN NICKEL BRONZE 1/2 GRATE
HB	HOSE BIBB	CHICAGO	#387 CHROME PLATED HOSE BIBB WITH #E27 SPOUT OUTLET VACUUM BREAKER
RPBP	BACKFLOW PREVENTER	WATTS	#909S-QT REDUCED PRESSURE PRINCIPLE TYPE BACKFLOW PREVENTER WITH STRAINER
—	TRAP PRIMER	WADE	#W-2400-103 CHROME PLATED TRAP PRIMER VALVE WITH VACUUM BREAKER

NOTES

1. PRIDE TRAP PRIMER FOR FLOOR DRAIN IN MECHANICAL ROOM AND LAUNDRY.
2. LOC. TRAP PRIMER VALVE AT NEAREST LAV. OR SINK AND RUN 1/2" K' COPPER TO OR DRAIN. PROVIDE FLOOR DRAIN W/ TRAP PRIMER CONNECTION. ALL EXP. D PIPING SHALL BE KEPT TO A MINIMUM AND SHALL BE CHROME PLATED.
3. MAR. DOOR CLEANOUTS IN CARPETED AREAS SHALL BE PROVIDED WITH CARPET IS.

MECHANICAL NOTES:

1. THIS CONTRACTOR SHALL EXAMINE ALL OTHER SPECIFICATIONS, DRAWINGS AND ALL OTHER FEATURES OF BUILDING CONSTRUCTION WHICH MAY AFFECT HIS WORK AND BE GOVERNED BY THESE SPECIFICATIONS, INCLUDING THE GENERAL CONDITIONS AND PARTICULAR INSTRUCTIONS TO ALL BIDDERS AND SUPPLIERS.
2. ALL WORK SHALL BE EXECUTED AND INSPECTED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND/OR STATE CODES, LAWS, ORDANCES, RULES, AND REGULATIONS APPLICABLE TO THIS PARTICULAR CLASS OF WORK, AND EACH CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL SERVICE CHARGES, FEES, PERMITS, ROYALTIES, TAXES, AND OTHER SIMILAR COST IN CONNECTION THEREWITH.
3. PRIOR TO FABRICATION OF DUCTWORK, CONTRACTOR SHALL EXAMINE AND VERIFY ALL CONDITIONS ABOVE AND BELOW THE CEILING WHICH MAY INTERFERE WITH THE DUCT SYSTEM AND NOTIFY THE ARCHITECTS OF ANY CONFLICT ENCOUNTERED. CONTRACTOR SHALL PROVIDE ALL OFFSETS ETC. WHICH MAY BE REQUIRED, WITHOUT ADDITIONAL COST TO THE OWNER.
4. ALL SHEET METAL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH "SMACNA" LOW PRESSURE DUCT CONSTRUCTION STANDARDS.
5. TURNING VANES SHALL BE INSTALLED IN ALL BENDS EXCEEDING 30 DEGREES.
6. ALL DUCTS SHALL BE SUPPORTED WITH 1" WIDE, 16 GAUGE GALVANIZED STEEL BANDS.
7. ALL RECTANGULAR DUCT SHALL BE INSULATED WITH A MINIMUM OF 1" INTERNAL LINER, 2 LB. DENSITY. ALL ROUND DUCT AND DIFFUSER TOP SHALL HAVE A MINIMUM OF 2" FOIL BACKED BLANKET TYPE INSULATION WITH ALL JOINTS BUTTED AND TAPPED.
8. ALL DUCT DIMENSIONS SHOWN ON PLANS ARE SHEET METAL DIMENSIONS. ALLOWANCE HAS BEEN MADE FOR LINER.
9. CONTRACTOR SHALL COORDINATE LOCATION OF ALL SUPPLY AND RETURN AIR REGISTERS, DUCT, GRILLES, AND DIFFUSERS WITH LIGHTING AND CEILING PATTERNS.
10. (SAD) SUPPLY AIR DIFFUSERS SHALL BE KRUEGER MODEL 1104 WITH OPPOSED BLADE DAMPERS AND FRAME 23 FOR LAY-IN CEILING.
11. MOUNT THERMOSTAT AT 48" MAXIMUM ABOVE THE FINISHED FLOOR.
12. PROVIDE ULFD. AT ALL DUCT OR AIR DISTRIBUTION PENETRATIONS OF RATED WALLS, FLOORS OR CEILING ASSEMBLIES W/ ACCESS.

RICHARD MOLENAAR
ARCHITECT

SWAMINARAYAN
HINDU
TEMPLE

JACKSON, MS

MECHANICAL & PLUMBING
NOTES & DETAILS

98002

4.3.98

M-4