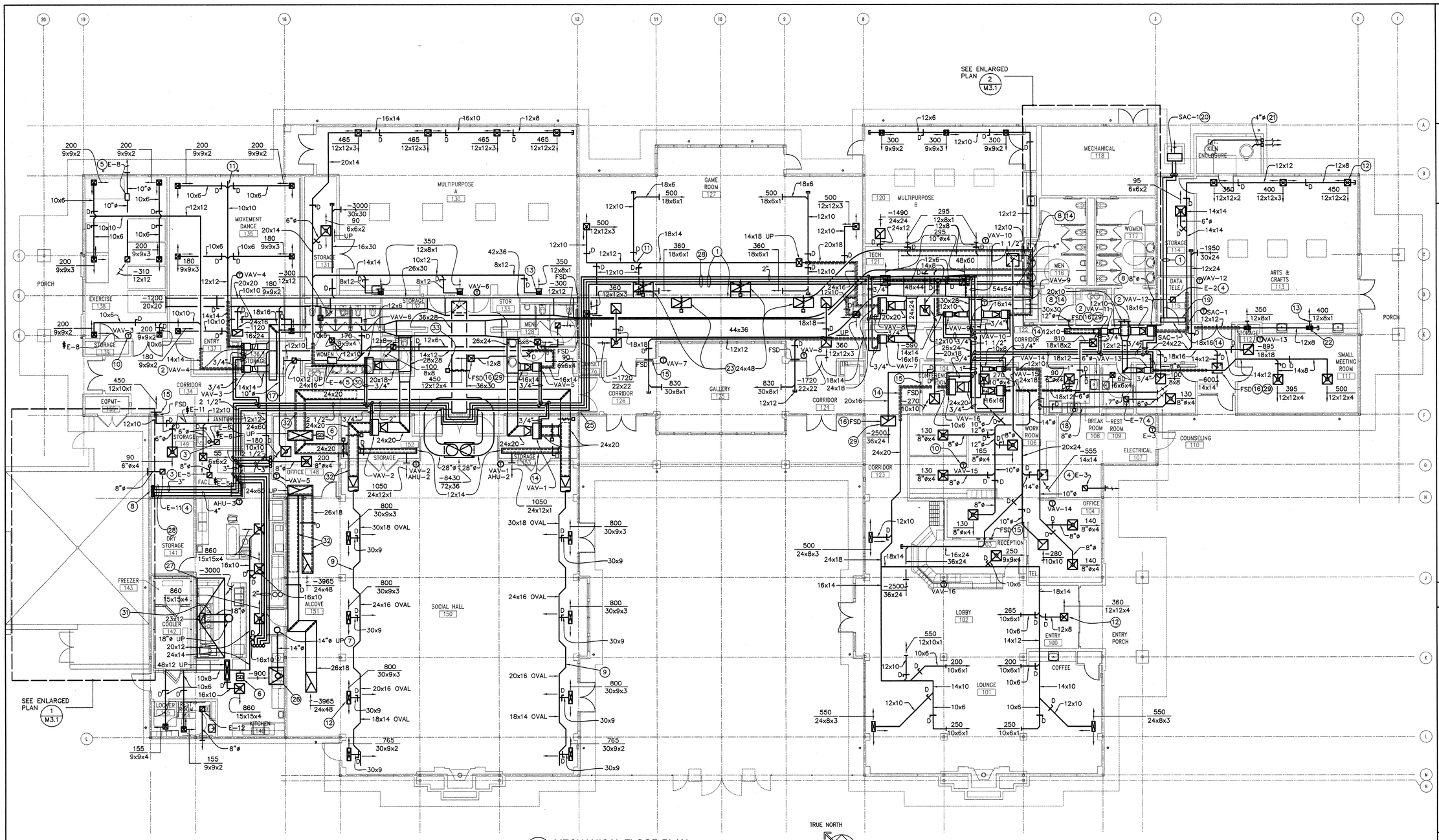


1 MECHANICAL FLOOR PLAN
1/8"=1'-0"

0 1' 4' 8' 16' 24'

TRUE NORTH

PLAN NORTH

Sheet Notes

1. AS HIGH AS POSSIBLE ABOVE CEILING, TYPICAL.
2. INSTALL VARIABLE AIR VOLUME BOX, TYPICAL. SEE DETAIL 7/M4.3 FOR PIPING TO REHEAT COIL. ARRANGE INSTALLATION FOR MAXIMUM ACCESS TO ACTUATOR, CONTROLS, AND HEATING HOT WATER PIPING.
3. INSTALL EXHAUST FAN. SEE DETAIL 4/M4.1.
4. INSTALL EXHAUST FAN. SEE DETAIL 5/M4.1.
5. INSTALL EXHAUST FAN. SEE DETAIL 6/M4.1.
6. INSTALL DUCT SMOKE DETECTOR.
7. SEE CONTINUATION UP ON SHEET M2.2, TYPICAL.
8. SEE CONTINUATION ON PART PLAN, SHEET M3.1, TYPICAL.
9. OFFSET DUCT AS REQUIRED TO CLEAR STRUCTURE AND AS REQUIRED TO MAXIMIZE THE LENGTH OF THE BRANCH DUCT.
10. INSTALL THERMOSTAT ON WALL, TYPICAL.
11. BRANCH DUCT FITTING, TYPICAL. SEE DETAIL 4/M4.2.
12. REGISTER CONNECTION, TYPICAL. SEE DETAIL 3/M4.2.
13. INSTALL SIDEWALL REGISTER, TYPICAL. SEE INTERIOR ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.
14. ACOUSTICALLY LINED DUCT, TYPICAL. DIMENSIONS SHOWN ARE NET INSIDE.
15. INSTALL FIRE/SMOKE DAMPER IN WALL, TYPICAL. SEE DETAIL 1/M4.2.
16. INSTALL FIRE/SMOKE DAMPER AT REGISTER, TYPICAL. SEE DETAIL 2/M4.2.
17. TERMINATE DUCT THROUGH WALL ABOVE ROOF.
18. CONNECT DUCT TO MICROWAVE HOOD EXHAUST. RUN DUCT TO TERMINATE THROUGH WALL ABOVE ROOF.
19. INSTALL INDOOR PORTION OF SPLIT AIR CONDITIONING SYSTEM. MOUNT ON WALL ABOVE DOOR. RUN REFRIGERANT PIPING TO CONDENSING UNIT.
20. INSTALL CONDENSING UNIT AT GRADE. SEE DETAIL 3/M4.1.
21. CONNECT 4" RIGID SHEETMETAL EXHAUST DUCT TO KILN. RUN DUCT THROUGH WALL AND TERMINATE WITH WEATHERTIGHT CAP. VERIFY EXACT REQUIREMENTS WITH THE KILN MANUFACTURER.
22. INSTALL DAMPER IN BRANCH DUCT AS FAR AS POSSIBLE FROM REGISTER, TYPICAL.
23. RUN RELIEF AIR DUCT UP TO CONNECT TO SHEET METAL RELIEF PLENUM.
24. CONNECT SHEET METAL RELIEF AIR PLENUM AT LOUVERED ROOF AREA.
25. SEAL PIPE PENETRATIONS AS SHOWN ON DETAILS 5/M4.2, 6/M4.2, AND 7/M4.2, TYPICAL.
26. VAPOR HOOD. CONNECT EXHAUST DUCT AND RUN TO FAN ON ROOF.
27. GREASE HOOD. CONNECT EXHAUST DUCT AND RUN TO FAN ON ROOF.
28. SEE DETAIL 10/M4.3 FOR PIPE SUPPORT.
29. COORDINATE RATED CEILING LID TO ALIGN WITH THE GRID OF THE DROPPED T-BAR CEILING SO THAT THE BRANCH DUCT RUNS STRAIGHT DOWN TO THE REGISTER, TYPICAL.
30. INSTALL FAN WHERE ACCESSIBLE THROUGH A CEILING ACCESS PANEL.
31. WRAP GREASE EXHAUST DUCT WITH ONE HOUR RATED INSULATION SYSTEM. WRAP SHALL GO FROM HOOD CONNECTION TO A POINT BEYOND THE TOP OF THE ROOF.
32. LAG OUTSIDE OF ACOUSTICALLY LINED DUCTWORK AT OR NEAR AHU-2 WITH KINETICS MODEL KNM VINYL LIMP MASS BARRIER MATERIAL WITH A 1.0 PSF OR GREATER RATING.
33. INSTALL CONTROL DAMPER.

MECHANICAL PLUMBING FIRE PROTECTION

LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220 (415) 456-1248 fax

REGISTERED PROFESSIONAL ENGINEER MICHAEL J. LEFLER Exp. 12-31-06 No. 22208 MECHANICAL STATE OF CALIFORNIA 4/15/05

MOUNTAIN VIEW SENIOR CENTER

266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

REVISIONS:

CONSTRUCTION SET

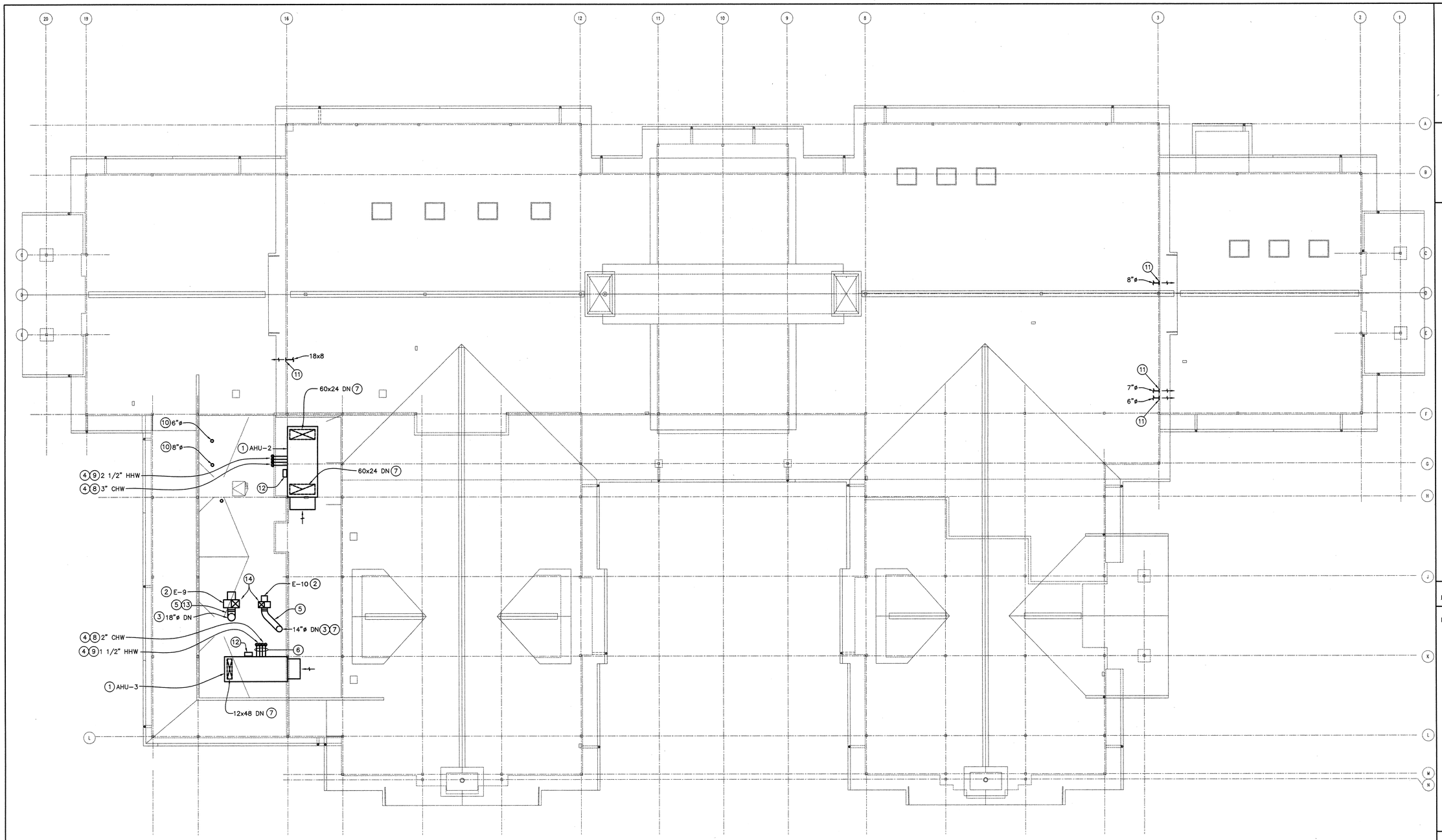
SHEET TITLE:

MECHANICAL FLOOR PLAN

DRAWN BY: MN
CHECKED BY: MJL
JOB NO: 0314.10

SHEET M2.1

Plot Date: April 15, 2005 - 11:42 am
File Name: P:\Jobfiles\Mountain View Senior Center\M2-01.dwg



Sheet Notes

1. INSTALL AIR HANDLING UNIT ON ROOF. SEE DETAIL 1/M4.1.
2. INSTALL EXHAUST FAN ON ROOF. SEE DETAIL 7/M4.1.
3. RUN DUCT THROUGH ROOF. SEE DETAIL 8/M4.1.
4. RUN PIPING THROUGH ROOF. SEE DETAIL 2/M4.3.
5. SEE DETAIL 9/M4.1 FOR DUCT SUPPORT ON ROOF, TYPICAL.
6. SEE DETAIL 3/M4.3 FOR PIPE SUPPORT ON ROOF, TYPICAL.
7. SEE CONTINUATION DOWN ON SHEET M2.1, TYPICAL.
8. CONNECT CHW PIPING TO AIR HANDLING UNIT. SEE DETAIL 6/M4.3.
9. CONNECT HHW PIPING TO AIR HANDLING UNIT. SEE DETAIL 7/M4.3.
10. TERMINATE DUCT THROUGH ROOF. SEE DETAIL 4/M4.1.
11. TERMINATE DUCT THROUGH HIGH SIDEWALL (ABOVE LOWER ROOF). VERIFY DUCT ROUTING ON M2.1.
12. INSTALL VARIABLE FREQUENCY DRIVE IN VENTILATED/COOLED WEATHERPROOF ENCLOSURE. MOUNT ON AIR HANDLING UNIT.
13. RUN DUCT ABOVE ROOF. DUCT MUST BE AT LEAST 2 FEET ABOVE ROOF.
14. EXHAUST OUTLET SHALL BE AT LEAST 10 FEET FROM A PROPERTY LINE OR AIR INTAKE.

1 MECHANICAL ROOF PLAN
1/8"=1'-0"

0 1' 4' 8' 16' 24'

TRUE NORTH
PLAN NORTH

MECHANICAL PLUMBING FIRE PROTECTION
LEFLER ENGINEERING, INC.
1651 Second Street
San Rafael, CA 94901
(415) 456-4220 (415) 456-1248 fax

REGISTERED PROFESSIONAL ENGINEER MICHAEL J. LEFLER Exp. 12-31-05 No. 22,208 MECHANICAL STATE OF CALIFORNIA
4/15/05

MOUNTAIN VIEW SENIOR CENTER

266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

REVISIONS:

CONSTRUCTION SET

SHEET TITLE:

MECHANICAL ROOF PLAN

DRAWN BY: MN
CHECKED BY: MJL
JOB NO: 0314.10

SHEET
M2.2

Plot Date: April 15, 2005 - 10:01 am
File Name: P:\Jobfiles\Mountain View Senior Center\M2-02.dwg