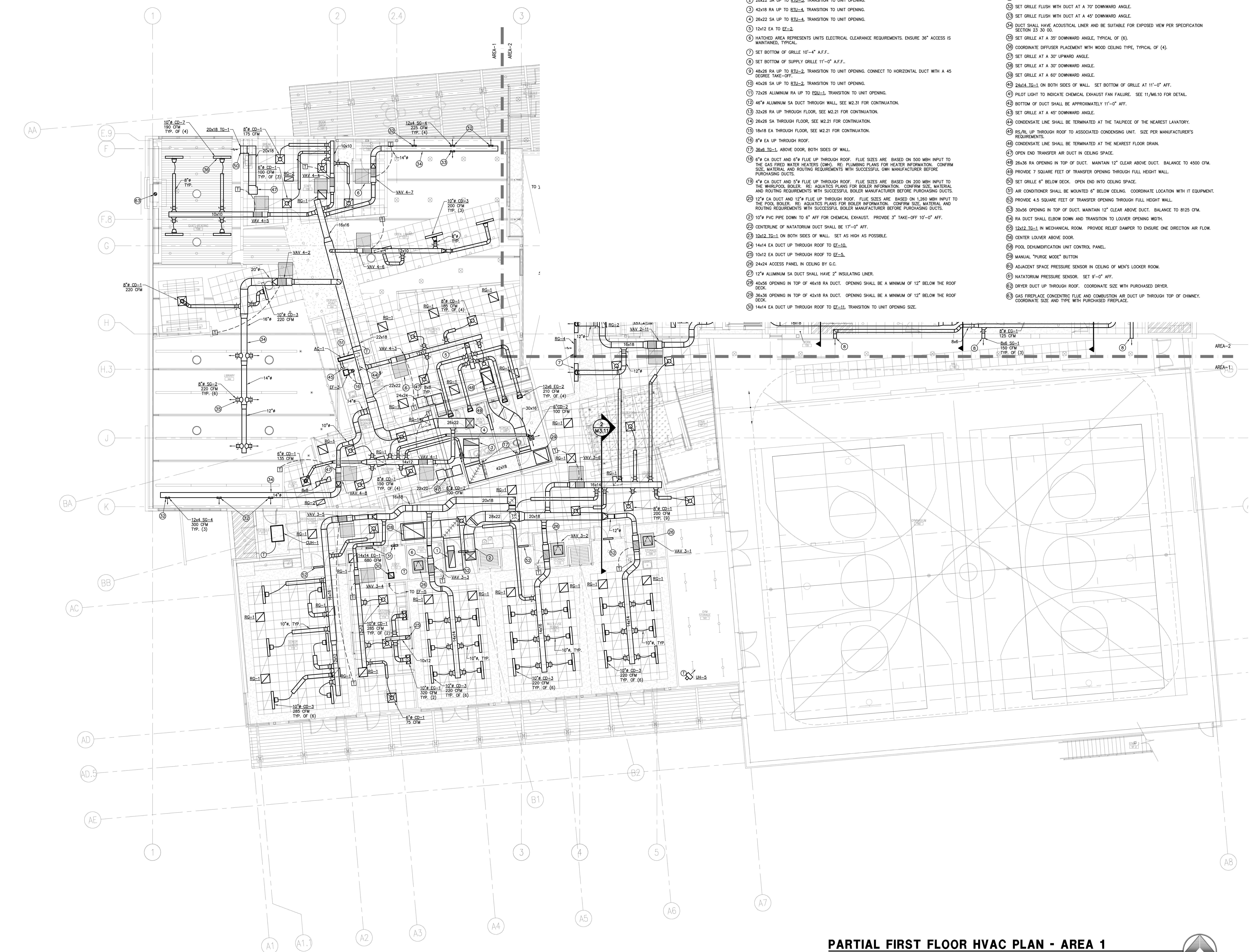
HVAC KEYNOTES:

1. 46x18 RA UP TO RTU-3, TRANSITION TO UNIT OPENING. CONNECT TO HORIZONTAL DUCT WITH A 45 DEGREE TAKE-OFF.
2. 28x22 SA UP TO RTU-3, TRANSITION TO UNIT OPENING.
3. 42x18 RA UP TO RTU-4, TRANSITION TO UNIT OPENING.
4. 26x22 SA UP TO RTU-4, TRANSITION TO UNIT OPENING.
5. 12x12 EA TO EF-2.
6. HATCHED AREA REPRESENTS UNITS ELECTRICAL CLEARANCE REQUIREMENTS. ENSURE 36" ACCESS IS MAINTAINED, TYPICAL.
7. SET BOTTOM OF GRILLE 10'-4" A.F.F..
8. SET BOTTOM OF SUPPLY GRILLE 11'-0" A.F.F..
9. 48x26 RA UP TO RTU-2, TRANSITION TO UNIT OPENING. CONNECT TO HORIZONTAL DUCT WITH A 45 DEGREE TAKE-OFF.
10. 40x26 SA UP TO RTU-2, TRANSITION TO UNIT OPENING.
11. 72x26 ALUMINUM RA UP TO PDU-1, TRANSITION TO UNIT OPENING.
12. 46"ø ALUMINUM SA DUCT THROUGH WALL, SEE M2.31 FOR CONTINUATION.
13. 32x26 RA UP THROUGH FLOOR, SEE M2.21 FOR CONTINUATION.
14. 26x26 SA THROUGH FLOOR, SEE M2.21 FOR CONTINUATION.
15. 18x18 EA THROUGH FLOOR, SEE M2.21 FOR CONTINUATION.
16. 8"ø EA UP THROUGH ROOF.
17. 36x6 TG-1, ABOVE DOOR, BOTH SIDES OF WALL.
18. 6"ø CA DUCT AND 6"ø FLUE UP THROUGH ROOF. FLUE SIZES ARE BASED ON 500 MBH INPUT TO THE GAS FIRED WATER HEATERS (GWH). RE: PLUMBING PLANS FOR HEATER INFORMATION. CONFIRM SIZE, MATERIAL AND ROUTING REQUIREMENTS WITH SUCCESSFUL GWH MANUFACTURER BEFORE PURCHASING DUCTS.
19. 4"ø CA DUCT AND 5"ø FLUE UP THROUGH ROOF. FLUE SIZES ARE BASED ON 200 MBH INPUT TO THE WHIRLPOOL BOILER. RE: AQUATICS PLANS FOR BOILER INFORMATION. CONFIRM SIZE, MATERIAL AND ROUTING REQUIREMENTS WITH SUCCESSFUL BOILER MANUFACTURER BEFORE PURCHASING DUCTS.
20. 12"ø CA DUCT AND 12"ø FLUE UP THROUGH ROOF. FLUE SIZES ARE BASED ON 1,260 MBH INPUT TO THE POOL BOILER. RE: AQUATICS PLANS FOR BOILER INFORMATION. CONFIRM SIZE, MATERIAL AND ROUTING REQUIREMENTS WITH SUCCESSFUL BOILER MANUFACTURER BEFORE PURCHASING DUCTS.
21. 10"ø PVC PIPE DOWN TO 6" AFF FOR CHEMICAL EXHAUST. PROVIDE 3" TAKE-OFF 10'-0" AFF.
22. CENTERLINE OF NATATORIUM DUCT SHALL BE 17'-0" AFF.
23. 10x12 TG-1 ON BOTH SIDES OF WALL. SET AS HIGH AS POSSIBLE.
24. 14x14 EA DUCT UP THROUGH ROOF TO EF-10.
25. 10x12 EA DUCT UP THROUGH ROOF TO EF-5.
26. 24x24 ACCESS PANEL IN CEILING BY G.C.
27. 12"ø ALUMINUM SA DUCT SHALL HAVE 2" INSULATING LINER.
28. 40x56 OPENING IN TOP OF 46x18 RA DUCT. OPENING SHALL BE A MINIMUM OF 12" BELOW THE ROOF DECK.
29. 36x36 OPENING IN TOP OF 42x18 RA DUCT. OPENING SHALL BE A MINIMUM OF 12" BELOW THE ROOF DECK.
30. 14x14 EA DUCT UP THROUGH ROOF TO EF-11. TRANSITION TO UNIT OPENING SIZE.
31. 12x18 TA OPENING IN WALL ABOVE CORRIDOR CEILING.
32. SET GRILLE FLUSH WITH DUCT AT A 70° DOWNWARD ANGLE.
33. SET GRILLE FLUSH WITH DUCT AT A 45° DOWNWARD ANGLE.
34. DUCT SHALL HAVE ACOUSTICAL LINER AND BE SUITABLE FOR EXPOSED VIEW PER SPECIFICATION SECTION 23 30 00.
35. SET GRILLE AT A 35° DOWNWARD ANGLE, TYPICAL OF (6).
36. COORDINATE DIFFUSER PLACEMENT WITH WOOD CEILING TYPE, TYPICAL OF (4).
37. SET GRILLE AT A 30° UPWARD ANGLE.
38. SET GRILLE AT A 30° DOWNWARD ANGLE.
39. SET GRILLE AT A 60° DOWNWARD ANGLE.
40. 24x14 TG-1 ON BOTH SIDES OF WALL. SET BOTTOM OF GRILLE AT 11'-0" AFF.
41. PILOT LIGHT TO INDICATE CHEMICAL EXHAUST FAN FAILURE. SEE 11/M6.10 FOR DETAIL.
42. BOTTOM OF DUCT SHALL BE APPROXIMATELY 11'-0" AFF.
43. SET GRILLE AT A 45° DOWNWARD ANGLE.
44. CONDENSATE LINE SHALL BE TERMINATED AT THE TAILPIECE OF THE NEAREST LAVATORY.
45. RS/RL UP THROUGH ROOF TO ASSOCIATED CONDENSING UNIT. SIZE PER MANUFACTURER'S REQUIREMENTS.
46. CONDENSATE LINE SHALL BE TERMINATED AT THE NEAREST FLOOR DRAIN.
47. OPEN END TRANSFER AIR DUCT IN CEILING SPACE.
48. 26x36 RA OPENING IN TOP OF DUCT. MAINTAIN 12" CLEAR ABOVE DUCT. BALANCE TO 4500 CFM.
49. PROVIDE 7 SQUARE FEET OF TRANSFER OPENING THROUGH FULL HEIGHT WALL.
50. SET GRILLE 6" BELOW DECK. OPEN END INTO CEILING SPACE.
51. AIR CONDITIONER SHALL BE MOUNTED 6" BELOW CEILING. COORDINATE LOCATION WITH IT EQUIPMENT.
52. PROVIDE 4.5 SQUARE FEET OF TRANSFER OPENING THROUGH FULL HEIGHT WALL.
53. 30x56 OPENING IN TOP OF DUCT. MAINTAIN 12" CLEAR ABOVE DUCT. BALANCE TO 8125 CFM.
54. RA DUCT SHALL ELBOW DOWN AND TRANSITION TO LOUVER OPENING WIDTH.
55. 12x12 TG-1 IN MECHANICAL ROOM. PROVIDE RELIEF DAMPER TO ENSURE ONE DIRECTION AIR FLOW.
56. CENTER LOUVER ABOVE DOOR.
58. POOL DEHUMIDIFICATION UNIT CONTROL PANEL.
59. MANUAL "PURGE MODE" BUTTON
60. ADJACENT SPACE PRESSURE SENSOR IN CEILING OF MEN'S LOCKER ROOM.
61. NATATORIUM PRESSURE SENSOR. SET 9'-0" AFF.
62. DRYER DUCT UP THROUGH ROOF. COORDINATE SIZE WITH PURCHASED DRYER.
63. GAS FIREPLACE CONCENTRIC FLUE AND COMBUSTION AIR DUCT UP THROUGH TOP OF CHIMNEY. COORDINATE SIZE AND TYPE WITH PURCHASED FIREPLACE.



PARTIAL FIRST FLOOR HVAC PLAN - AREA 1

SCALE: 1/8"=1'-0"

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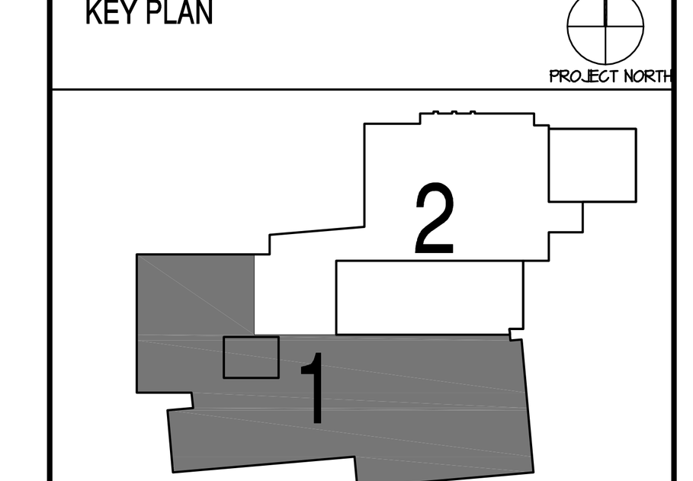
KEY PLAN



Issues/Revisions:	Date:
SCHEMATIC DESIGN	04-13-09
DESIGN DEVELOPMENT	07-10-09
90% CD COORDINATION	09-07-09
CONSTRUCTION DOCUMENTS	09-22-09

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PARTIAL FIRST FLOOR
HVAC PLAN - AREA 1

Drawn by: PWF
Checked by: MRB

M2.10