

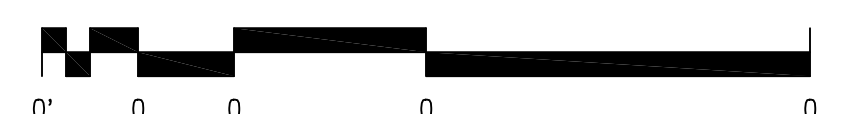
GENERAL NOTES:

1. PROVIDE VOLUME DAMPERS IN ALL SUPPLY, RETURN, AND EXHAUST DUCT BRANCHES; AND ADDITIONAL WHERE REQUIRED FOR PROPER AIR BALANCING OF SYSTEMS (TYPICAL).
 2. THE CONSTRUCTION MANAGER SHALL CARRY ALL COSTS AND ALLOWANCES WITHIN THE BID PRICE ITEMIZED SEPARATELY AS REQUIRED FOR THE UNFORSEEN EXISTING CONDITIONS WITHIN THE RICHARDS BUILDING BASEMENT UTILITY CORRIDORS/ B142, B233, B233, B232, B231, B230, AND B229), THE EXISTING PSYCH. UNIT AREA, AND AREA BETWEEN COLUMN LINES "A" TO "J" AND "11" TO 13.5" WHERE LARGE EXISTING MAIN VENTILATION DUCTS ARE SHOWN TRAVELING THROUGH THIS AREA AND UP SHAFTS TO RICHARDS UPPER FLOORS.
- PRIOR TO THE START OF DEMOLITION AND ACCORDANCE TO CM PHASING SCHEDULE; WE RECOMMEND THAT REMOVAL OF CEILING (ACT AND HARD GWB) BE UNDER TAKEN FOR THE PURPOSE OF EXPLORATORY REVIEW AND FIELD VERIFICATION ON ALL EXISTING CONDITION PRIOR TO COMMENCING OF DEMOLITION OR COORDINATION DRAWINGS.
- ALL SUB-CONTRACTORS, THE DESIGNER, OWNER, AND CONSTRUCTION MANAGER CAN THEN VIEW AND VERIFY ALL EXISTING CONDITIONS, OBSTRUCTIONS, AND WORK REQUIRED TO COORDINATE THE FIT OF ALL NEW WITH EXISTING CONDITIONS PRIOR TO START OF WORK.

DRAWING NOTES CONT'D:

24. SUPPLY AND RETURN DUCT RISERS FROM AHU-6ED INSTALLED FROM PENTHOUSE MECH. RM. DOWN TO THIS POINT UNDER BULLETIN NO. B023 OF CHARLES ST. PROJECT. THIS CONTRACTOR TO CONNECT AND EXTEND DUCTWORK TO SERVE EMERGENCY DEPT. RICHARDS'S BUILDING.

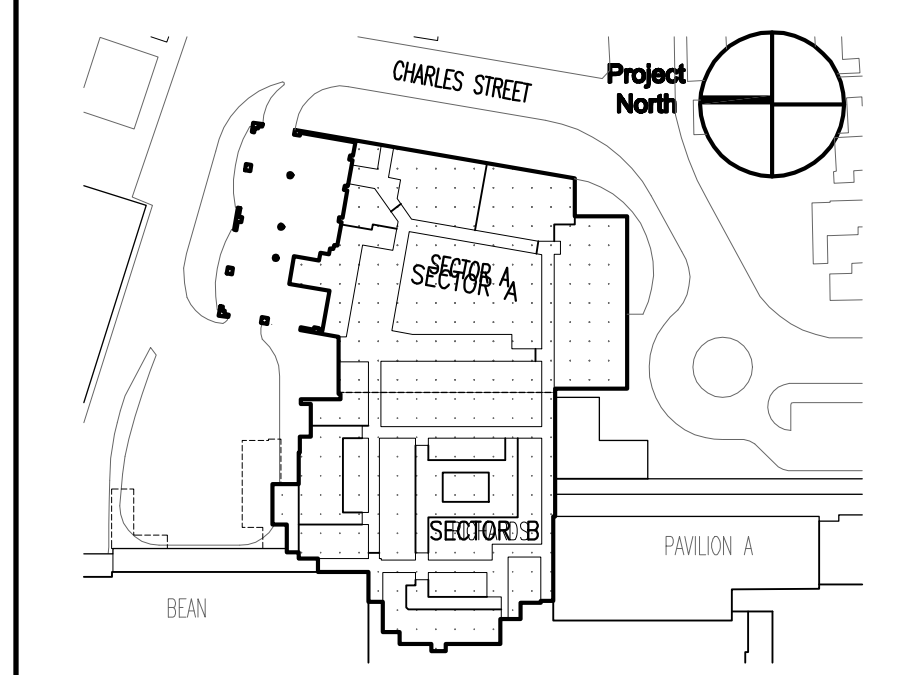
**BASEMENT FLOOR PLAN
SECTOR "B"**
SCALE: 1/8"=1'-0"



- GENERAL NOTES: DRAWING NOTES:**
1. EXISTING 45"x30" - VENTILATION SUPPLY DUCTS UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 2. EXISTING 54"x24" - VENTILATION SUPPLY DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 3. EXISTING 47"x14" - VENTILATION SUPPLY DUCT (EXIST. AC-3) UP AND TO RICHARD'S BUILDING CAFE TO REMAIN IN SERVICE.
 4. EXISTING 30"x14" - VENTILATION SUPPLY DUCT (EXIST. AC-3) UP AND TO RICHARD'S BUILDING CAFE TO REMAIN IN SERVICE.
 5. EXISTING 30"x24" - R.A. DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 6. EXISTING 24"x20" - R.A. DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 7. EXISTING 24"x24" - R.A. DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 8. EXISTING 44"x18" - VENTILATION SUPPLY DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 9. EXISTING VENTILATION SUPPLY DUCT BRANCHES (EXIST. AC-3) UP TO GROUND CAFE INDUCTION UNITS (TYPICAL) TO REMAIN IN SERVICE.
 10. EXISTING VENTILATION 20"x10" SUPPLY DUCT (EXIST. AC-3) UP TO RICHARD'S BUILDING GROUND FLOOR CAFE TO REMAIN IN SERVICE.
 11. EXISTING 36"x36" - DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 12. EXISTING 42"x28" - RELIEF AIR DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 13. EXISTING 42"x28" - RELIEF AIR DUCT UP AND TO RICHARD'S BUILDING TO REMAIN IN SERVICE.
 14. CUT EXISTING SUPPLY, RETURN, AND EXHAUST DUCTS AND REMOVE A SECTION AS REQUIRED TO INSTALL A NEW COMBINATION FIRE AND SMOKE DAMPERS WITHIN THE RATED FIRE/SMOKE BARRIER. THIS CONTRACTOR TO PROVIDE NEW SECTION OF DUCTWORK, SEALING, INSULATION, AND NEW FIRE/SMOKE DAMPERS INSTALLATION AS REQUIRED. CONNECT NEW TO EXISTING DUCT AND CONTRACTOR TO FIELD VERIFY EXACT DUCT SIZES.
 15. PROVIDE 40"x10" - R.A. DUCT TO DROP DOWN WITHIN 44"WX14" DEEP CLEAR ID CHASE & CONNECT TO LOW HEAVY DUTY RETURN REGISTER ACTIVE SECTION 40"WX 28" HIGH BOTTOM OF REGISTER 6" AFF. PROVIDE SHEETMETAL BLANK-OFF BEHIND INACTIVE SECTION OF 74" WX28" HIGH REGISTER AND PAINT BACK OF BLANK-OFF BLACK.
 16. EXISTING SUPPLY VENTILATION DUCTS FROM EXIST. HV-4 UNIT; UP TO GROUND KITCHEN UNIT VENTILATORS TO REMAIN IN SERVICE (TYPICAL).
 17. PROVIDE A COMBINATION FIRE/SMOKE DAMPER FD/SD FOR ALL SUPPLY, RETURN, AND EXHAUST DUCTS WHICH PENETRATE THE 2 HOUR RATED FIRE/SMOKE BARRIER.
 18. PROVIDE 14"x14" - R.A. DUCT TO DROP DOWN WITHIN 18"WX18" DEEP CLEAR ID CHASE & CONNECT TO LOW HEAVY DUTY RETURN REGISTER 12"WX36" HIGH BOTTOM OF REGISTER 6" AFF.
 19. SUPPLY AND RETURN DUCTS TO DROP DOWN TO SECURITY OFFICE CEILING DIFFUSER & REGISTER BELOW.
 20. CONTRACTOR TO CARRY ALL COSTS AND PROVIDE ALL WORK TO DISCONNECT AND REMOVE ALL SUPPLY DIFFUSERS, RETURN AND EXHAUST REGISTERS/GRILLES FROM THE EXISTING DUCTWORK. CLEAN ALL DIFFUSERS, REGISTERS, AND GRILLES COMPLETELY AND STORE. PROVIDE ALL WORK TO REINSTALL EXISTING DIFFUSERS, REGISTER, AND GRILLES WITHIN EXISTING SUPPLY, RETURN, AND EXHAUST DUCTWORK (TYPICAL FOR ALL EXISTING TO REMAIN).
 21. CONTRACTOR TO CARRY ALL COSTS AND PROVIDE ALL TESTING, ADJUSTING, AND BALANCING (TAB) WORK REQUIRED TO BALANCE ALL EXISTING SUPPLY DIFFUSERS, RETURN, AND EXHAUST REGISTERS/GRILLES TO THE NOTED CFM AIR FLOW IN PARENTHESIS. (TYPICAL FOR ALL EXISTING TO REMAIN).
 22. PROVIDE 32"x10" - R.A. DUCT TO DROP DOWN WITHIN CHASE & CONNECT TO LOW HEAVY DUTY RETURN REGISTER ACTIVE SECTION 32"WX 28" HIGH BOTTOM OF REGISTER 6" AFF. PROVIDE SHEETMETAL BLANK-OFF BEHIND INACTIVE SECTION OF 52" WX28" HIGH REGISTER AND PAINT BACK OF BLANK-OFF BLACK.
 23. PROVIDE 16"x10" - R.A. DUCT TO DROP DOWN WITHIN 19.5" WX13" DEEP CLEAR ID CHASE & CONNECT TO LOW HEAVY DUTY RETURN REGISTER 16"WX 48" HIGH BOTTOM OF REGISTER 6" AFF.

MARK	ISSUE DATE	DESCRIPTION
BID	12/14/07	BID SET

Issue Log



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ED Expansion and Renovation
Portland, Maine MMC Project No. 21843

**Drawing Title
HVAC BASEMENT DUCTWORK
PLAN-SECTOR "B"**

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