

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 20350
Expiration Date: 2/14/2010

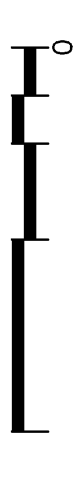
Seal

No.	Date:	Revision:
	2009.06.12	Permit / BID
	2009.06.19	Bid Set

Drawing Title:

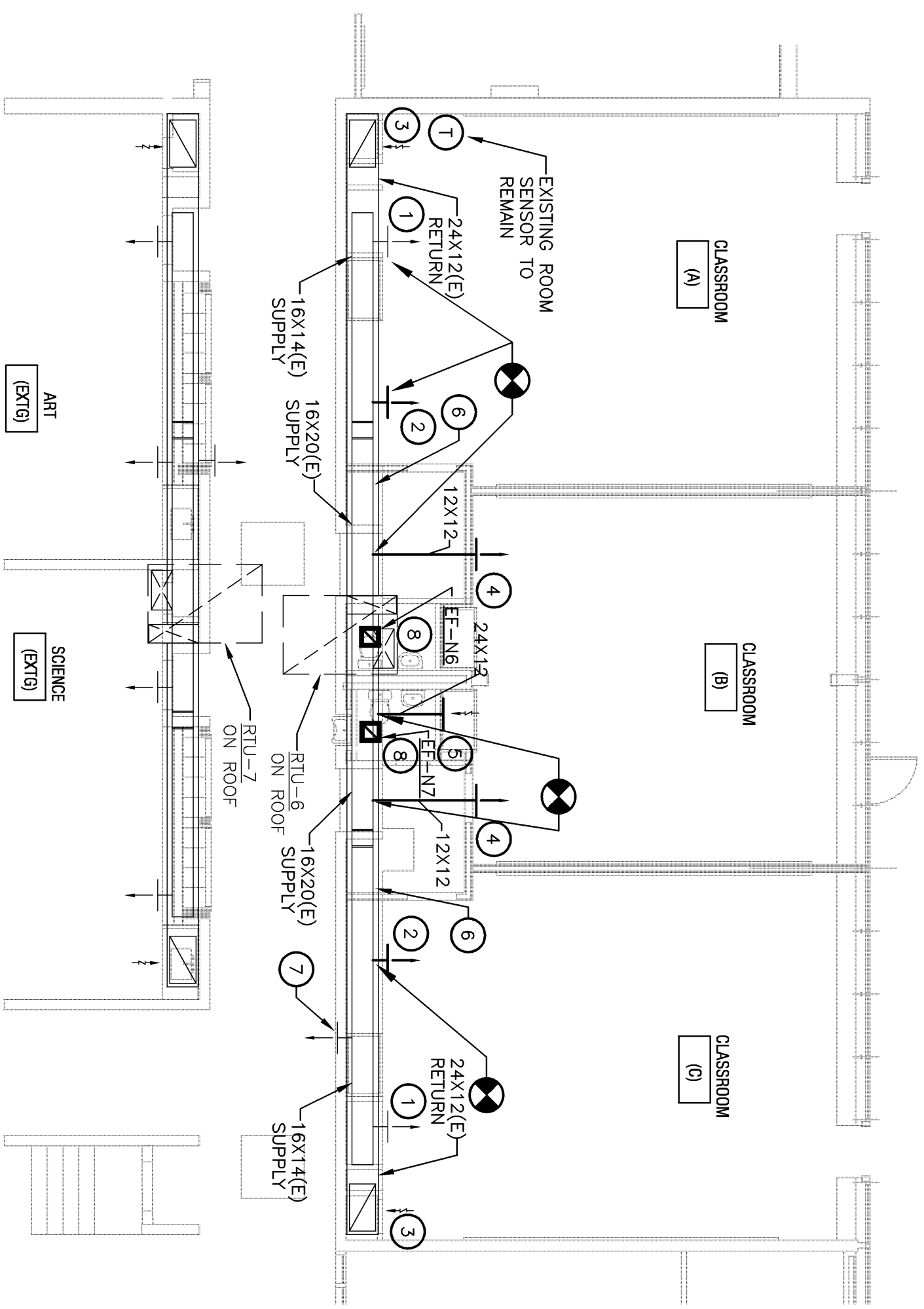
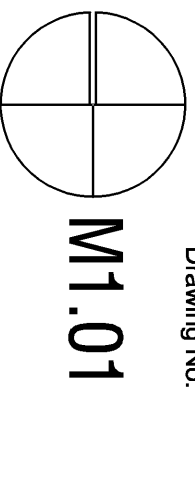
**PARTIAL FLOOR PLAN -
HVAC**

Phase 1A
Graphic Scale: 1/8" = 1'-0"



Drawn By: DT Checked By: CJ

Project No: 071065.00 Date: 2009.06.12
Drawing No:

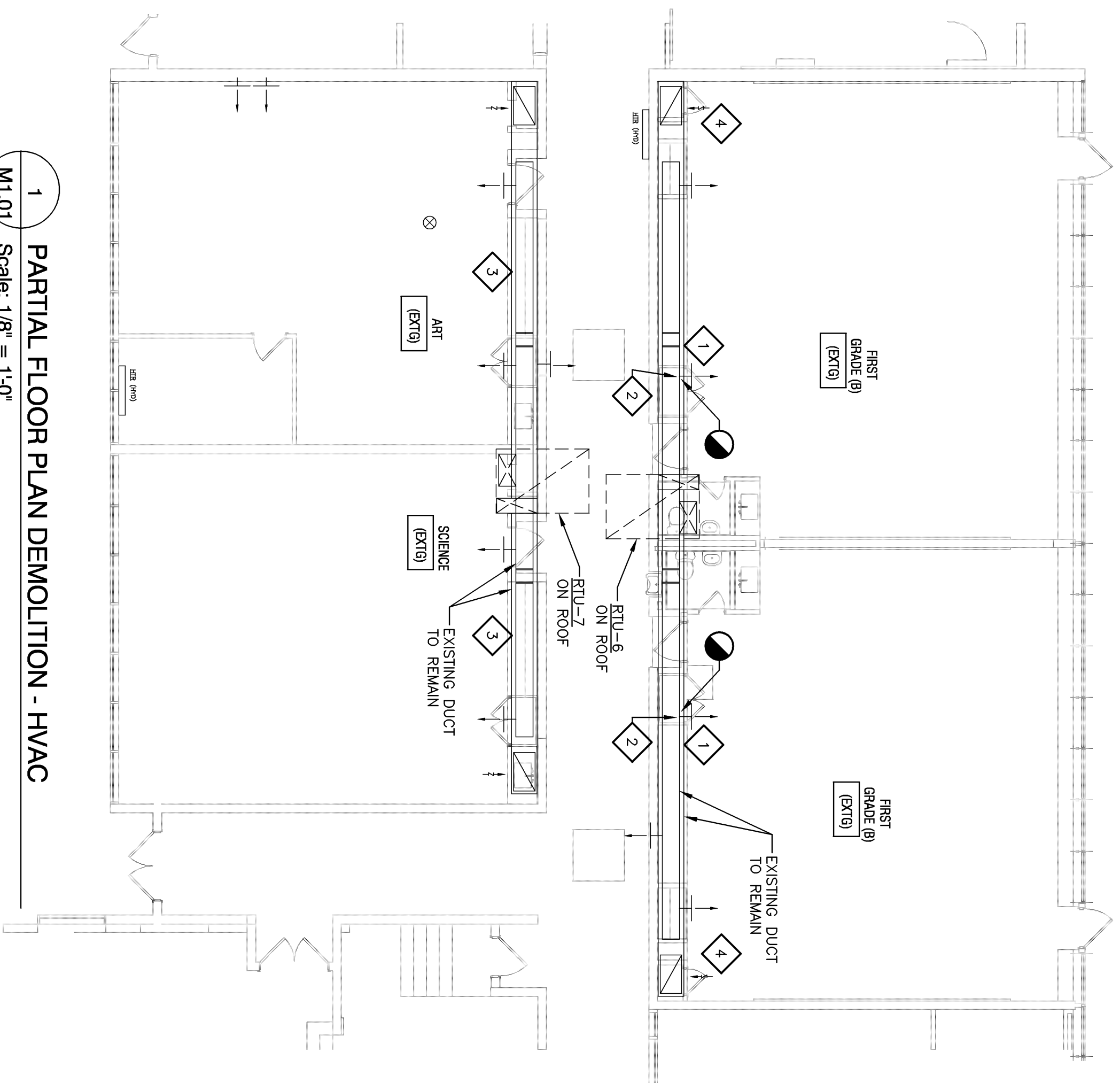


2 PARTIAL FLOOR PLAN NEW CONSTRUCTION - HVAC
M1.01 Scale: 1/8" = 1'-0"

NEW CONSTRUCTION NOTES:

- 1 EXISTING 32"x12" SUPPLY GRILLE - EXTEND EXISTING 32"x12" DUCT TO FACE OF NEW WALL AND RE-INSTALL GRILLE - BALANCE TO 670 CFM.
- 2 RELOCATE 32"x12" SUPPLY GRILLE - BALANCE TO 670 CFM. RELOCATE EXISTING AIR EXTRACTOR TO THIS LOCATION. EXTEND NEW 32"x12" DUCT TO FACE OF NEW WALL AND RE-INSTALL GRILLE.
- 3 EXTEND 36"x24" RETURN DUCT TO BOTTOM OF SOFFIT & RE-INSTALL EXISTING 36"x24" RETURN GRILLE - BALANCE TO 1340 CFM.
- 4 EXTEND NEW 12"x12" DUCT AND PROVIDE NEW 18x12" SUPPLY GRILLE - BALANCE TO 670 CFM.
- 5 PROVIDE NEW 24"x18" RETURN REGISTER - BALANCE TO 1340 CFM. THE DUCT INTO EXISTING RETURN DUCT.
- 6 INSULATE SUPPLY DUCTWORK ABOVE NEW CEILING FROM UNIT CONNECTION TO WALL PENETRATION WITH 1" THICKNESS DUCT WRAP. SEE SPECIFICATIONS.
- 7 EXISTING SUPPLY GRILLE - BALANCE TO 250 CFM.
- 8 REMOVE EXISTING ROOF EXHAUSTER. PROVIDE AND INSTALL NEW CEILING FANS IN EACH TOILET ROOM. FANS SHALL BE GREENHECK MODEL SP-B1110, CEILING MOUNTED, 75 CFM, 0.330" S.P., 950 MAX FRPM, DIRECT DRIVE, 115V/120, CONTROLLED BY WALL SWITCH. PROVIDE AND INSTALL NEW 6"Ø DUCT WORK TO TERMINATE IN A PLENUM AT EXISTING ROOF OPENING. PROVIDE NEW ROOF CURB, FLASH, AND FINISH TO MATCH EXISTING ROOF SURFACE. INSTALL GRAVITY ROOF VENTILATOR, GREENHECK MODEL GRS-8 COMPLETE WITH BACKDRAFT DAMPER AND ROOF CURB.

Note: See Architectural Interior Elevations, Floor Plans, and / or Reflected Ceiling Plans (as appropriate) for specific locations of panels, fixtures, controls, outlets, switches, drains, devices, diffusers, etc. Any locations shown for these or similar items on the Architectural drawings shall take precedence over locations shown on the mechanical, plumbing, or electrical drawings. Contact the Architect for exact locations of any visible items indicated on the mechanical, plumbing, or electrical drawings that are not specifically shown on the Architectural Interior Elevations, Floor Plans, and / or Reflected Ceiling plans. The location of all such mechanical, plumbing, or electrical devices should be coordinated/confirmed with the Architect prior to rough-in.



1 PARTIAL FLOOR PLAN DEMOLITION - HVAC
M1.01 Scale: 1/8" = 1'-0"

REFERENCE NOTES: - DEMOLITION

- 1 REMOVE AND RELOCATE EXISTING 32"x12" SUPPLY GRILLE AND CLEAN BEFORE RE-INSTALLATION.
- 2 REMOVE AND RELOCATE EXISTING "BOOTED" DUCT SUPPLY TAP INCLUDING AIR EXTRACTOR AND REINSTALL WHERE INDICATED. CAP DUCT WITH SHEET METAL AND SEAL AIRTIGHT.
- 3 LOCKERS TO BE INSTALLED IN THIS AREA. DUCTWORK TO REMAIN AS EXISTING. PROTECT DUCTWORK IF NECESSARY DURING CONSTRUCTION.
- 4 REMOVE AND RELOCATE EXISTING 36"x24" RETURN GRILLE AND CLEAN BEFORE RE-INSTALLATION. CAP DUCT WITH SHEET METAL AND SEAL TIGHT.