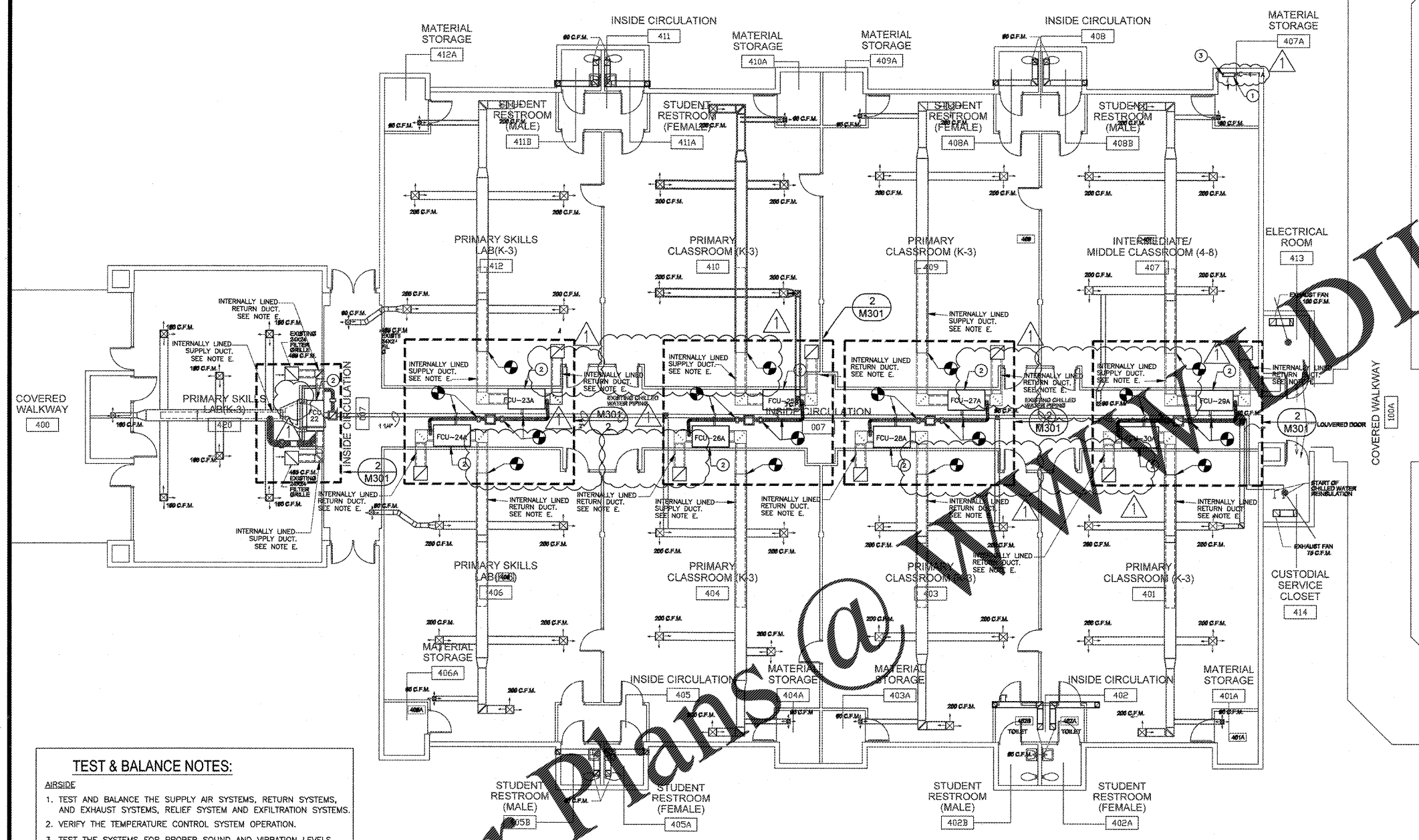


REVISIONS	BUILDING DEPARTMENT COMMENTS
Δ 02/23/18	

RECEIVED
 MAR 06 2018
 BUILDING DEPARTMENT
 BCPS

DRAWING KEY NOTES:
 ① LOCATION OF NEW MINI SPLIT UNIT W/ CONDENSING UNIT ON ROOF.
 ② LOCATION OF NEW FAN COIL UNIT AND DUCT HEATER.
 ③ REFRIGERANT LINES UP TO THE ROOF.

GENERAL NOTES:
 A. CONTRACTOR TO PROVIDE COMPLETE TEST AND BALANCE OF BUILDING 1, 2, 3, 4, 5 & BUILDING 6 AIR CONDITIONING SYSTEM. TEST AND BALANCE IS TO INCLUDE ALL AIR CONDITIONING EQUIPMENT, EXHAUST FANS, SUPPLY, RETURN, AND EXHAUST INLETS/OUTLETS. NOT ALL OUTLETS AND DISTRIBUTION DEVICES AND A/C EQUIPMENT MAY BE INDICATED. THE TEST AND BALANCE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE FULL EXTENT OF THEIR WORK AND TESTING, BALANCING AND VERIFYING THE PERFORMANCE OF ALL A/C SYSTEMS, CONTROLS, AND PIECES OF EQUIPMENT AND RELATED APPURTENANCES IN THE BUILDINGS AND CHILLER YARDS.
 B. SUPPLY, RETURN, AND EXHAUST DUCTWORK ARE SHOWN FOR TEST AND BALANCE PURPOSES ONLY.
 C. CONTRACTOR TO PROVIDE NEW INSULATION FOR THE CHILLER PUMPS.
 D. BUILDING "02", TWO 2'X2' EXHAUSTS HOOD TO BE REMOVED.



TEST & BALANCE NOTES:

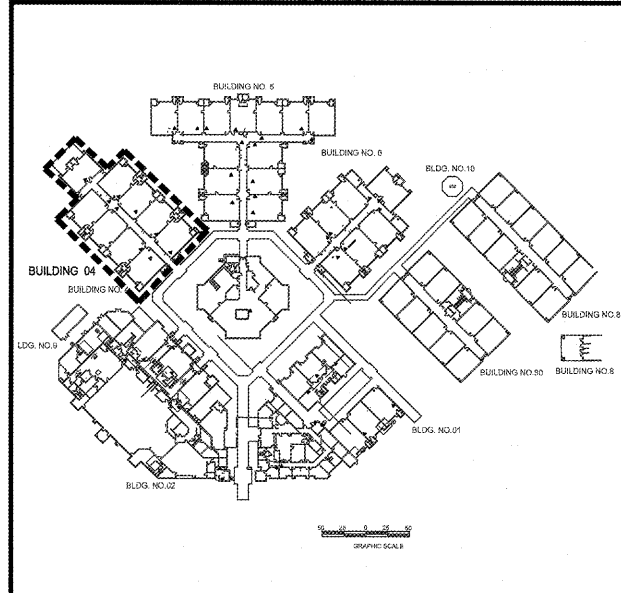
- AIRSIDE**
1. TEST AND BALANCE THE SUPPLY AIR SYSTEMS, RETURN SYSTEMS, AND EXHAUST SYSTEMS, RELIEF SYSTEM AND EXFILTRATION SYSTEMS.
 2. VERIFY THE TEMPERATURE CONTROL SYSTEM OPERATION.
 3. TEST THE SYSTEMS FOR PROPER SOUND AND VIBRATION LEVELS.
 4. ADD DEVICES AS NECESSARY TO ACHIEVE PROPER ADJUSTING AND BALANCING.
 5. VERIFY THE PERFORMANCE OF ALL EQUIPMENT AND AUTOMATIC CONTROLS.
 6. CHECK FOR LEAKS IN DUCTWORK. SEAL AS NECESSARY.
 7. CHECK ALL DAMPERS FOR PROPER OPERATION TO INCLUDE, RELIEF DAMPERS, EXFILTRATION DAMPERS, AND GRILLES. SOME DAMPERS MAY HAVE FAILED IN THE OPEN POSITION.
 8. ENSURE ALL DAMPERS ARE OPENING AND CLOSING AS REQUIRED.
 9. CHECK THE EXFILTRATION GRILLES FOR PROPER OPERATION.
 10. CHECK FILTERS FOR CLEANLINESS AND REPLACE IF NECESSARY.
 11. CHECK FAN BELT TENSION AND FAN ROTATION.
 12. CHECK FAN BELT TENSION AND FAN ROTATION.
 13. IF DUCT INSULATION IS CUT TO OBTAIN ACCESS, THEN IT SHOULD BE PATCHED AND INSULATED AS NECESSARY.
 14. PROPERLY SEAL ALL DUCTS.
 15. IF WHILE DOING THE TEST AND BALANCE THE CONTRACTOR ENCOUNTERS ANY PARTS OF THE SYSTEM IN DESREPAIR THE CONTRACTOR IS TO REPLACE THE EQUIPMENT.
 16. CONTRACTOR TO PROVIDE CLEANING OF ALL DUCTWORK.
 17. ADJUST EXISTING OUTSIDE AIR LOUVERS AS REQUIRED TO OBTAIN OPTIMUM OUTSIDE AIR FOR BALANCING PURPOSES.

TEST & BALANCE NOTES:

- WATERSIDE**
1. OPEN VALVES TO FULL POSITION, INCLUDING COIL STOP VALVES, CLOSE BYPASS VALVES, AND OPEN RETURN LINE BALANCING COCKS.
 2. CLEAN STRAINERS.
 3. EXAMINE WATER AND SYSTEM TO VERIFY A CLEAN AND TREATED SYSTEM.
 4. CHECK PUMP ROTATION.
 5. CHECK SYSTEM IS FULL OF WATER.
 6. SET TEMPERATURE CONTROLS TO HAVE COILS CALL FOR FULL COOLING.
 7. CHECK OPERATION OF AUTOMATIC BYPASS VALVES.
 8. CHECK AND SET OPERATING TEMPERATURES OF CHILLERS TO DESIGN REQUIREMENTS.

NOTE:
 ALL DUCTWORK IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

Bid Documents Only
 Not For Construction



1 KEY PLAN
 SCALE: 1" = 100'-0"

2 PARTIAL MECHANICAL FLOOR PLAN BUILDING 04
 SCALE: 1/8" = 1'-0"

SEA CASTLE
 ELEMENTARY SCHOOL
 9600 MIKAMAR BOULEVARD
 MIRAMAR, FLORIDA 33025
 THE SCHOOL BOARD OF BROWARD COUNTY

PARTIAL MECHANICAL
 FLOOR PLAN BUILDING 04

JOB PHASE: 100% SUBMITTAL
 SBBG PROJECT: P-001632
 DATE: 12/13/16
 SCALE: AS SHOWN
 DRAWN BY: HA
 CHECKED BY: EH
 CAE PROJECT NO. 2015.55

39048
 ERIC J. HAMMOND
 PROFESSIONAL ENGINEER
 SEAL

DRAWING No.

M-104

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