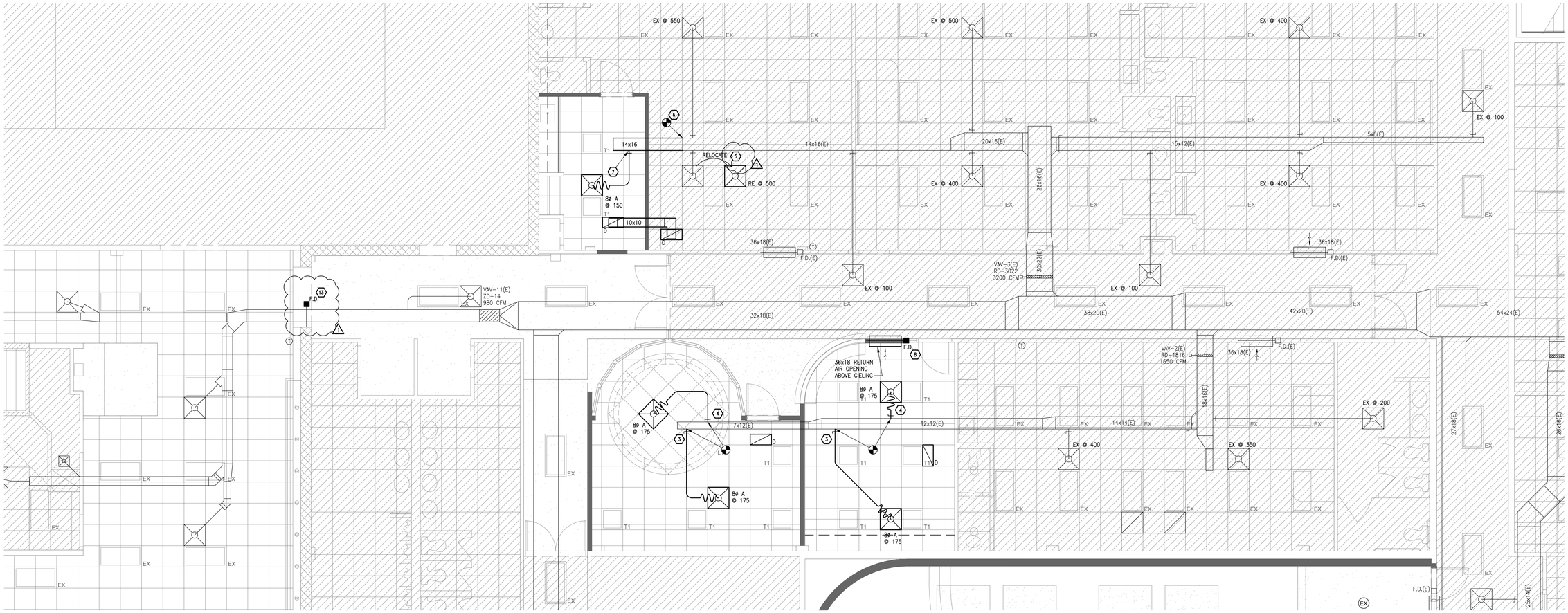

01 KINDER PLAYROOM / MOTHER'S ROOM MECHANICAL PLAN - LEVEL 1

1/4" = 1'-0"

KEYNOTES '⓪'

1. DO NOT REUSE EXISTING AIR DEVICE. PROVIDE NEW AIR DEVICE, TYPE 'E', AND CONNECT TO EXISTING DUCT AS REQUIRED. MATCH EXISTING SIZE. REFERENCE ARCHITECTURAL FOR FINISH. BALANCE TO 500 CFM. CONFIRM THAT FINISH AND AESTHETICS MATCH NEW RETURN GRILLES IN LOBBY.
2. DO NOT REUSE EXISTING AIR DEVICE. PROVIDE NEW AIR DEVICE, TYPE 'F', AND CONNECT TO EXISTING DUCT AS REQUIRED. MATCH EXISTING SIZE. REFERENCE ARCHITECTURAL FOR FINISH. CONFIRM THAT FINISH AND AESTHETICS MATCH NEW SUPPLY GRILLES IN LOBBY.
3. CONNECT NEW DUCT TO EXISTING TAP AS REQUIRED. REUSE EXISTING TAP IF FEASIBLE, OTHERWISE PROVIDE NEW TAP. PATCH AND REPAIR DUCT AND INSULATION, SEAL AIR TIGHT.
4. PROVIDE NEW TAP FOR NEW DUCT AND DIFFUSER AS REQUIRED. PATCH AND REPAIR DUCT AND INSULATION, SEAL AIR TIGHT.
5. RELOCATE EXISTING DIFFUSER AS REQUIRED. EXTEND BRANCH DUCT IF NECESSARY.
6. EXTEND MAIN DUCT AS SHOWN. PATCH AND REPAIR DUCT AND INSULATION, SEAL AIR TIGHT.
7. REFERENCE DETAIL ON SHEET M301 FOR DIFFUSER CONNECTION, TYPICAL.
8. PROVIDE NEW FIRE DAMPER AS SHOWN. REFERENCE M301 FOR DETAIL AND M401 FOR SPECIFICATION.
9. CONNECT NEW DUCT MAIN TO EXISTING AS REQUIRED. PATCH AND REPAIR DUCT AND INSULATION, SEAL AIR TIGHT.
10. RELOCATED VAV DAMPER, RECONNECT TO NEW DUCTWORK AS REQUIRED AND BALANCE ENTIRE SYSTEM TO CFM SHOWN. PROVIDE NEW CONTROL WIRING FROM CORRESPONDING THERMOSTAT AS REQUIRED. DAMPER MUST BE ABOVE AN ACCESSIBLE CEILING, IF NOT, PROVIDE ACCESS. COORDINATE EXACT LOCATION WITH ARCHITECT.
11. RELOCATE EXISTING THERMOSTAT. MOUNT THERMOSTAT AT 48" AFF. PROVIDE NEW CONTROL WIRING AS REQUIRED.
12. RUN EXHAUST ABOVE CEILING AND TERMINATE WITH 8" ALUMINUM WALL CAP WITH BIRDSCREEN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
13. CONFIRM THAT AN EXISTING FIRE DAMPER IS PRESENT AND IN PROPER WORKING CONDITION. IF NOT, PROVIDE NEW FIRE DAMPER PER SCHEDULE ON SHEET M401.

MECHANICAL REMODEL NOTES

1. ALL BIDDERS SHALL INSPECT SITE PRIOR TO SUBMITTING A FINAL BID. REFERENCE MEP GENERAL NOTES ON MEP001 AND MECHANICAL GENERAL NOTES ON M001. THESE NOTES APPLY TO ALL SHEETS.
2. COORDINATE ALL WORK WITH THE OWNER'S REPRESENTATIVE. VERIFY EXISTING CONDITIONS AND FINAL EQUIPMENT SELECTION REQUIREMENTS PRIOR TO BID.
3. THERE ARE NO EXISTING HVAC PLANS AND AVAILABLE INFORMATION ABOUT EXISTING AC UNITS, DUCTS, DIFFUSERS, ETC. IS LIMITED. CONTRACTOR SHALL INCLUDE SUFFICIENT LABOR AND TEST EQUIPMENT TO FIELD VERIFY CONDITIONS,
4. INCLUDING AIRFLOW AND COVERAGE, OF ALL THE HVAC SYSTEMS SERVNG REMODELED AREAS. THIS PLAN SETS OUT MINIMUM GUIDELINES FOR RELOCATING AND RE-BALANCING SUPPLY DIFFUSERS. REPORT ANY SIGNIFICANT DEFICIENCIES, DISCREPANCIES, OR CONCERNS TO THE ENGINEER SO THAT WE CAN WORK TOGETHER TO RESOLVE IN A MANNER THAT IS BEST FOR THE OWNER.
5. EXISTING SUPPLY AND RETURN AIR MAIN DUCT MAY BE REUSED IF FEASIBLE. INSPECT AND CLEAN ALL DUCTWORK TO REMAIN. INSPECTION INSTRUCTIONS FOR DUCTWORK TO REMAIN: REMOVE SECTION OF DUCTWORK AND INSPECT CONDITION. IF LINER IS DRY, INTACT, AND FREE FROM VISIBLE DIRT, SIGNS OF MICROBIAL GROWTH, AND ODORS, THEN DUCTWORK MAY BE REUSED IF DIRECTED BY OWNER (PLEASE NOTE, EPA APPROVED ANTIMICROBIAL TREATMENT IS RECOMMENDED FOR ALL DUCT LINERS). IF LINER IS VISIBLY DAMAGED, DAMP, DIRTY, ODOROUS DUCTWORK SHALL BE REPLACED. REPLACE WRAP INSULATION IN ACCORDANCE WITH LOCAL CODE.
6. CONTRACTOR SHALL NOT OPERATE A/C UNITS WITHOUT CONSTRUCTION FILTERS IN PLACE. REPLACE ALL FILTERS AFTER CONSTRUCTION AND BEFORE REQUESTING FINAL PAYMENT WITH MINIMUM MERV 8 FILTERS.
7. EXISTING DIFFUSERS MAY BE REUSED IF FEASIBLE. INSPECT AND CLEAN ALL DIFFUSERS TO EXISTING DIFFUSERS MUST BE CORRECT TYPE AND SIZE PER AIR DEVICE SCHEDULE TO BE REUSED IN NEW LOCATION.
8. PAINT BLACK ANY VISIBLE DUCTWORK ABOVE METAL CEILINGS.

MECHANICAL DEMO LEGEND

EX	EXISTING DIFFUSER TO REMAIN
	EXISTING DIFFUSER TO BE DEMOLISHED
RTU-X(E, D, OR RE)	EXISTING MECHANICAL EQUIPMENT TO REMAIN, DEMOLISHED, OR RELOCATED
12x12(E)	EXISTING DUCTWORK TO REMAIN (SIZE SHOWN)
12x12(D)	EXISTING DUCTWORK TO BE DEMOLISHED
	CONNECT NEW TO EXISTING

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NINA C. BRADSTREET
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PROFESSIONAL ENGINEER
06/14/17

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SHEET TITLE:

PHASE I - KINDER PLAY MECHANICAL FLOOR PLAN

SHEET NO.:

M112

FILE: G:\PROJECTS\PDD\PDD1611 - Binnerri Church Remodel\Drawings\M111 - PDD1611 - PH1.dwg
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