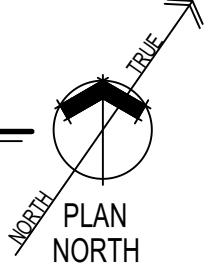


REFER TO LARGE SCALE PLAN ON SHEET P2.1 FOR MECHANICAL ROOM BELOW THIS AREA.

MECHANICAL FLOOR PLAN

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



Mechanical Plan Review: APPROVED
 Final approval shall be based upon HVAC inspection for adherence to the 2012 IMC, 2012 IFGC, 2012 IRC Parts V & VI, Idaho Statute Title 54 Chapter 50, stamped approved plans and manufacturers installation instructions.

- PLAN NOTES:**
- 1 PROVIDE AND INSTALL NEW ROOF TOP UNIT AS SPECIFIED. MOUNT UNIT ON ROOF CURB. DROP SUPPLY AND RETURN DUCTS DOWN THRU ROOF AND EXISTING HIGH CEILING. ALL EXPOSED DUCTWORK TO BE PAINTLOCK SHEET METAL. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING ROOF AND CUSTOM ROOF CURBS.
 - 2 PROVIDE SMOKE DETECTOR IN SUPPLY DUCT FOR UNIT SHUT-DOWN.
 - 3 ALL DUCTWORK ABOVE SIM ROOMS TO BE RUN AS LOW AS POSSIBLE ABOVE LOWER CEILINGS. KEEP DUCTWORK AWAY FROM OPEN CORRIDORS AS MUCH AS POSSIBLE TO KEEP OUT OF VIEW. DUCTWORK WILL BE EXPOSED BETWEEN HIGHER AND LOWER CEILINGS AND SHOULD BE SUPPORTED FROM SIM ROOM WALLS.
 - 4 ALL DUCTWORK AND PIPING TO CROSS OPEN CORRIDORS ABOVE 'CEILING BRIDGE' AS SHOWN. COORDINATE WITH PIPING AS SHOWN ON SHEET P1.2. KEEP DUCTWORK AS LOW AS POSSIBLE AND PROVIDE PAINTLOCK SHEET METAL.
 - 5 MOUNT RETURN GRILLE AND/OR SUPPLY GRILLE IN SIDE OF DUCTWORK. PROVIDE BALANCING DAMPER IN SUPPLY GRILLES.
 - 6 EXTEND BRANCH DUCT TO 36" FROM CORRIDOR WALL AND INSTALL SIDEWALL GRILLE IN END OF DUCT. KEEP DUCT AND GRILLE AS LOW AS POSSIBLE.
 - 7 EXISTING THERMOSTAT AND/OR ROOM SENSOR TO REMAIN. REMOVE AS REQUIRED FOR NEW WALL FINISHES AND RE-INSTALL AFTER WORK HAS BEEN COMPLETED. REFER TO ARCHITECTURAL DRAWINGS FOR NEW WALL TREATMENTS.
 - 8 PROVIDE AND INSTALL CEILING MOUNTED EXHAUST FAN AS SPECIFIED. RISE 6" DUCT UP THRU ROOF WITH ROOF CAP. REFER TO ARCHITECTURAL DRAWINGS FOR CUTTING AND PATCHING OF EXISTING ROOF. REFER TO DETAIL EM2.1 FOR TYPICAL EXHAUST FAN INSTALLATION.

- PLAN NOTES:**
- 9 EXISTING MULTI-ZONE ROOF TOP UNIT TO REMAIN. PROTECT DURING CONSTRUCTION. ALL ZONES TO BE RE-BALANCED AS NOTED BY EXISTING AND DIFFUSERS.
 - 10 EXISTING CEILING DIFFUSER TO REMAIN. PROTECT DURING CONSTRUCTION. RE-BALANCE DIFFUSER TO CFM WHERE INDICATED.
 - 11 EXISTING RETURN AIR GRILLE TO REMAIN. ADJUST GRILLE LOCATION AS REQUIRED FOR ANY NEW CEILING WORK. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING WORK.
 - 12 DISCONNECT AND RELOCATE EXISTING CEILING DIFFUSER TO ALLOW FOR NEW WALL CONSTRUCTION. EXTEND EXISTING BRANCH DUCT ABOVE CEILING AS SHOWN FOR NEW DIFFUSER LOCATION.
 - 13 PROVIDE AND INSTALL NEW CEILING DIFFUSER AS SPECIFIED. CONNECT TO EXISTING ZONE TRUNK DUCT AS SHOWN. PROVIDE NEW BALANCING DAMPER AT CONNECTION.
 - 14 PROVIDE NEW RETURN AIR GRILLE IN EXISTING CEILING AS SPECIFIED. GRILLE TO BE OPEN TO CEILING SPACE. COORDINATE ACTUAL GRILLE LOCATION WITH CEILING GRID, BUILDING STRUCTURE, DUCTWORK, PIPING, AND ELECTRICAL CONDUITS.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
 DATE ORIGINAL SIGNED: Oct 30, 2020
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
 1355 EAST CENTER, POCATELLO, IDAHO 83201

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 EMAIL: esa@engsystems.com
 ESA JOB NUMBER: 19069

DBS APPROVAL

BLD2009-00014

REVIEWED FOR CODE COMPLIANCE

This approval shall not be construed to be an approval of any violation of, or variance from, Idaho's adopted codes, standards, laws or rules applicable to this project.

SEPARATE BUILDING PERMIT REQUIRED FOR CONSTRUCTION

GENERAL NOTE:
 CONTRACTOR MUST COORDINATE SCHEDULE WITH ISU AND PROVIDE TWO WEEKS NOTICE FOR ANY UTILITY OUTAGES.

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COT NURSING DPW#17240, RFC BUILDING IDAHO STATE UNIVERSITY
 777 MEMORIAL DRIVE, POCATELLO, IDAHO

MECHANICAL FLOOR PLAN

REVISIONS: _____

DATE: OCT 20

DRAWING NO. **M1.2**

JOB NO. 1912

OF _____