

ALTERNATE BID:

- ALTERNATE BID #1:
- A. PROVIDE NEW AHU-5-2 AND ROOF MOUNTED CONDENSING UNIT. INSTALL CONTROL WIRING, THERMOSTAT, MOTORIZED DAMPERS AND DUCT WORK INDICATED BY DASHED LINES AS SHOWN ON DRAWINGS.
 - B. AHU TO BE SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS. REFER TO REFRIGERANT PIPING SHEET FOR REFRIGERANT AND WATER REQUIREMENTS. PROVIDE A GALVANIZED SHEET METAL SECONDARY DRAIN PAN THAT IS A MINIMUM OF 3" LARGER (ON EACH SIDE) THAN ANY DIMENSION OF THE UNIT AND MUST EXTENDS UNDER THE CONDENSATE PUMPS.
 - C. INSTALL CONDENSING UNIT ON SUPPORTS IN ACCORDANCE WITH BUILDING STANDARD ROOF MOUNTED EQUIPMENT. VERIFY EXACT LOCATION WITH ARCHITECT AND BUILDING REPRESENTATIVE. REFER TO REFRIGERANT PIPING PLAN ON SHEET M2.15 FOR REFRIGERANT PIPING, DOMESTIC COLD WATER PIPING AND CONDENSATE PIPING WORK.
 - D. SEQUENCE OF OPERATION: AHU-5-1 (PRIMARY) SHALL RUN DURING OPERATING HOURS. DAMPER AHU-5-1 SHALL BE OPEN. AHU-5-2 (SECONDARY) UNIT'S COMPRESSOR AND FAN SHALL BE OFF. DAMPER AHU-5-2 SHALL BE CLOSED. AHU-5-2 UNIT SHALL BE ACTIVATED BY FAILURE OF AHU-5-1 VIA LIEBERT AC4 CONTROLLER. DAMPER AHU-5-1 SHALL CLOSE AND DAMPER AHU-5-2 SHALL OPEN. ONCE ROOM AHU-5-1 IS OPERATIONAL, AHU-5-2'S FAN AND COMPRESSOR SHALL CEASE TO OPERATE. DAMPER AHU-5-1 SHALL OPEN AND DAMPER AHU-5-2 SHALL CLOSE. AC4 CONTROL PANEL SHALL PROVIDE LEAD/LAG CAPABILITY SO PRIMARY AND SECONDARY UNITS CAN ROTATE AT A CONSISTANCE TIME PERIOD.

- ALTERNATE BID #2:
- A. ENSURE ALL EXISTING EXPOSED RECTANGULAR DUCT INSULATION IS IN GOOD CONDITION. REPLACE ANY TORN INSULATION AND PROVIDE SHEET METAL AROUND ALL EXPOSED RECTANGULAR DUCT AND COAT WITH TWO COATS OF PRIMER.

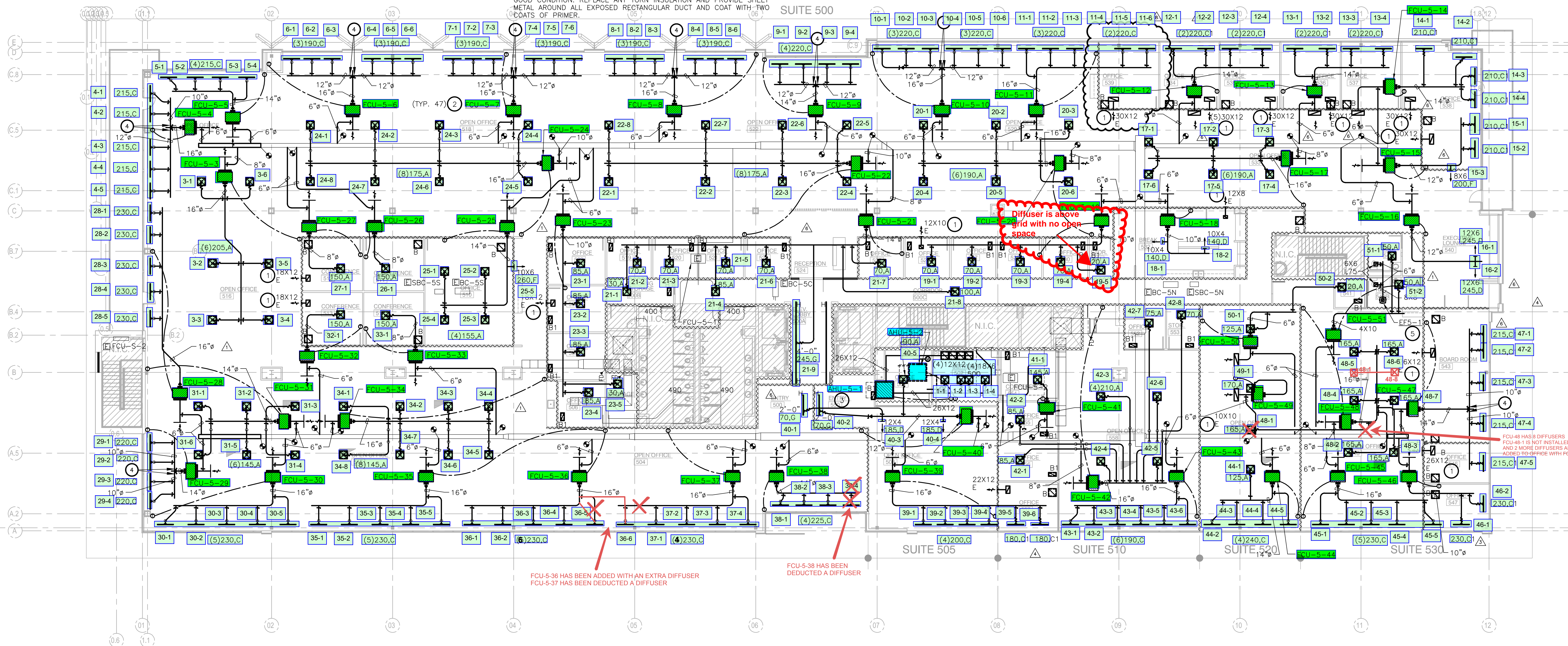
SHEET NOTES:

- A. EXISTING BRANCH CONTROLLERS SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS SHALL REMAIN.
- B. EXTEND FULL SIZED RETURN PLENUM FROM NEW FAN COIL UNITS AS SHOWN ON DRAWINGS. PROVIDE RETURN AIR GRILLE AT OPENING. CONNECT OUTSIDE AIR DUCT WITH BALANCING DAMPER AS SHOWN ON DETAIL LOCATED ON SHEET M3.01.
- C. ALL ROUND DUCT SHALL BE 1" WRAPPED INSULATION. COORDINATE HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.

OUTSIDE AIR TAPS:
 PROVIDE SQUARE TO ROUND TRANSITIONS AT EXISTING OUTSIDE AIR SUPPLY DUCT AS FOLLOWS:
 6"X24" SQUARE TO 12"
 6"X16" SQUARE TO 10"
 6"X10" SQUARE TO 8"

NOTES BY SYMBOL:

1. PROVIDE ACOUSTICALLY LINED RETURN AIR BOOT THRU WALL TO DECK AS HIGH AS POSSIBLE ABOVE CEILING WITH 90° ELBOW FACING UPWARD. SIZE PER PLANS. REFER TO DETAIL M0.01 FOR MORE INFORMATION.
2. FC UNIT TO BE SUSPENDED FROM STRUCTURE. EXTEND FULL SIZED RETURN AIR PLENUM AS INDICATED ON DRAWINGS. PROVIDE MANUAL DAMPER AT OUTSIDE AIR DUCT CONNECTION TO PLENUM.
3. AHU TO BE SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS. REFER TO PLUMBING SHEET FOR WATER REQUIREMENTS. PROVIDE A GALVANIZED SHEET METAL SECONDARY DRAIN PAN THAT IS A MINIMUM OF 3" LARGER (ON EACH SIDE) THAN ANY DIMENSION OF THE UNIT AND MUST EXTENDS UNDER THE CONDENSATE PUMPS.
4. PROVIDE EXPANDED TAP AT LOCATION SHOWN ON DRAWINGS. REFER TO DETAIL LOCATED ON SHEET M00.01.
5. MOUNT EXHAUST FAN ON ROOF. MOUNT FAN ON 14" ROOF CURB AND ROUTE EXHAUST DUCT IN BETWEEN ROOF JOISTS AND CONNECT TO EXHAUST FAN BACKDRAFT DAMPER. REFER TO SHEET MEP2.01 FOR ADDITIONAL INFORMATION.



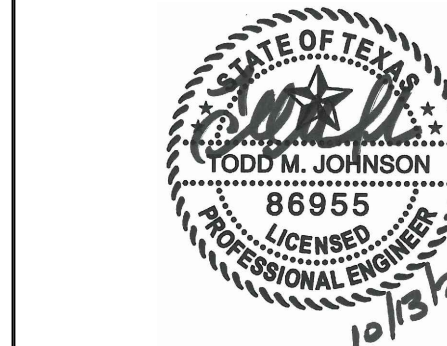
1 LEVEL 05 MECHANICAL PLAN
 SCALE: 3/32"=1'-0"

REVISION SUMMARY:
 * REVISED DUCT AND GRILLES TO ADD OFFICE 539.

Purdy - McGuire
 Mechanical - Electrical Engineers
 17300 North Dallas Parkway
 Suite 3000
 Dallas, Texas 75248-1147
 Firm Registration # F-15111
 Tel: 972/239-5357
 Fax: 972/239-3231
 www.purdy-mcguire.com



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 PROJECT MGR. TODD JOHNSON
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PROJECT NO. 591-009
 DRAWN BY: TM
 CHECKED BY: MW
 R.S.F.: 41,862

NO.	ISSUED FOR:	DATE:
△	FOR CONSTRUCTION	06-25-21
△	PR #1	06-25-21
△	PR #2	07-14-21
△	PR #3	08-02-21
△	PR #4	08-30-21
△	PR #5	09-15-21
△	PR #6	10-13-21

DRAWING TITLE:
LEVEL 05 MECHANICAL PLAN

DRAWING NUMBER:
M2.05