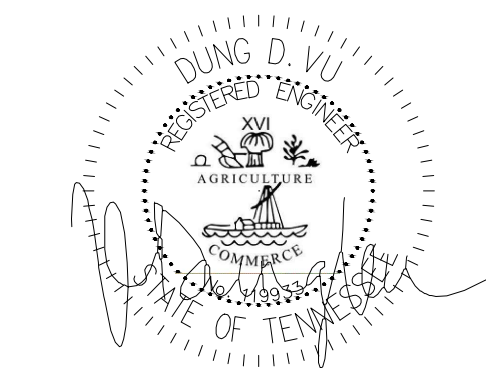


- GENERAL NOTES:**
- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
 - ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL CDTT OR CDBT AS APPROPRIATE FOR THE FLOOR/CEILING DESIGN. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802 TYPE "B" FIRE DAMPER.
 - FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-35. IT IS RATED AS A 1 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C, WALL TYPE A U340 (1.5H), WALL TYPE B U314 (1H), WALL TYPE C U311 (1H).
 - THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
 - CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
 - COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
 - PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR (BY ALDES OR RUSKIN).
 - PROVIDE ACOUSTICALLY LINED DUCT MAINS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
 - THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
 - EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
 - LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
 - PROVIDE AIR BALANCE SUMMARY FOR EACH FLOOR TO CONFIRM POSITIVE PRESSURE AS REQUIRED.
 - PROVIDE 10 FEET OF ACOUSTICALLY LINED SUPPLY DUCT MAIN FOR EACH AHU/FCU (15 FEET RECOMMENDED FOR MEETING ROOMS AND ALL RAU).
 - PROVIDE SOUND LINING FOR RETURN DUCTWORK OF ALL SYSTEMS SERVING PUBLIC SPACES.
 - PROVIDE BALANCING DAMPER FOR EACH BRANCH DUCT, INCLUDING RUNOUTS TO AIR DEVICES.
 - MAINTAIN 10 FEET DISTANCE BETWEEN SUPPLY AND RETURN/EXHAUST AIR DEVICES.
 - PROVIDE TRANSFER DUCTWORK (WITH ADJUSTABLE LINKS) OR DOOR UNDERCUTS (UNDER 50 CFM) FOR ALL ROOMS REQUIRING MAKEUP FOR EXHAUST, OR RETURN OF AIR.

1 MECHANICAL BASEMENT FLOOR PLAN
SCALE: 1/8" = 1'-0"

APR. 23, 2019



NOTE:
• NEW BACKGROUND

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3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND/OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND/OR TASKS LIKE, FIRE CALCULI, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BELLED BACK TO THE CONTRACTOR AND/OR SUBCONTRACTOR, AT THE OWNER'S DISCRETION.

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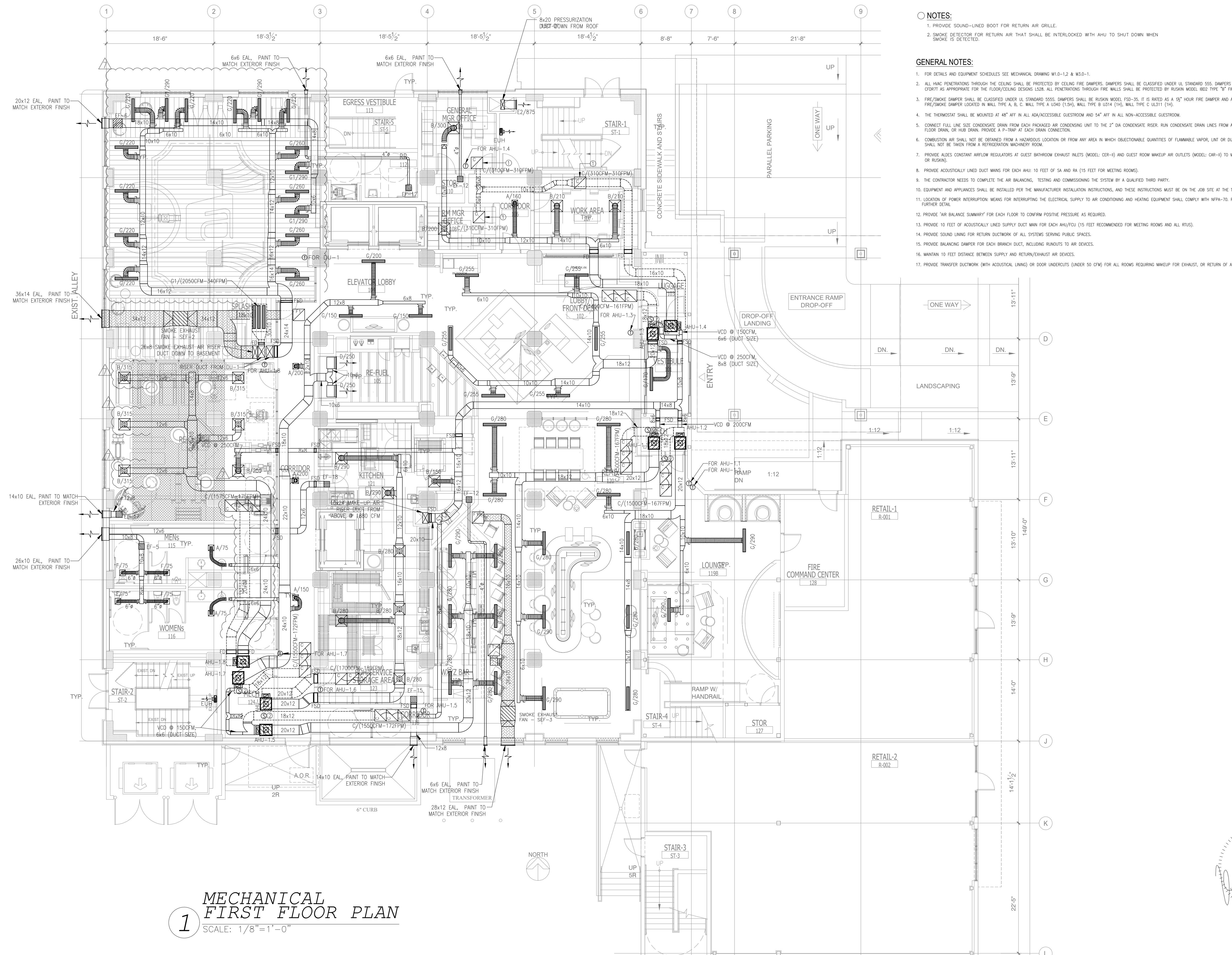
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ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

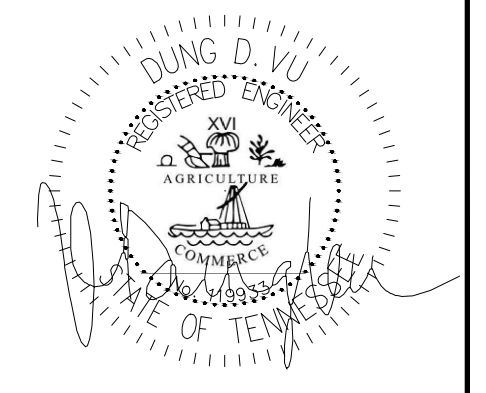
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV
MECHANICAL BASEMENT FLOOR PLAN
SHEET **M2.0**



- NOTES:**
1. PROVIDE SOUND-LINED BOOT FOR RETURN AIR GRILLE.
 2. SMOKE DETECTOR FOR RETURN AIR THAT SHALL BE INTERLOCKED WITH AHU TO SHUT DOWN WHEN SMOKE IS DETECTED.
- GENERAL NOTES:**
1. FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
 2. ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL CDTDT OR CERTIFY AS APPROPRIATE FOR THE FLOOR/CEILING DESIGN. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802 TYPE "B" FIRE DAMPER.
 3. FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-35. IT IS RATED AS A 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C, WALL TYPE A U340 (1.5H), WALL TYPE B U314 (1H), WALL TYPE C U311 (1H).
 4. THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
 5. CONNECT FILL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
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 7. PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR BY ALDES OR RUSKIN.
 8. PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
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 11. LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
 12. PROVIDE "AIR BALANCE SUMMARY" FOR EACH FLOOR TO CONFIRM POSITIVE PRESSURE AS REQUIRED.
 13. PROVIDE 10 FEET OF ACOUSTICALLY LINED SUPPLY DUCT MAN FOR EACH AHU/FCU (15 FEET RECOMMENDED FOR MEETING ROOMS AND ALL RUS).
 14. PROVIDE SOUND LINING FOR RETURN DUCTWORK OF ALL SYSTEMS SERVING PUBLIC SPACES.
 15. PROVIDE BALANCING DAMPER FOR EACH BRANCH DUCT, INCLUDING RUNOUTS TO AIR DEVICES.
 16. MAINTAIN 10 FEET DISTANCE BETWEEN SUPPLY AND RETURN/EXHAUST AIR DEVICES.
 17. PROVIDE TRANSFER DUCTWORK (WITH ADJUSTABLE LININGS) OR DOOR UNDERCUTS (UNDER 50 CFM) FOR ALL ROOMS REQUIRING MAKEUP FOR EXHAUST, OR RETURN OF AIR.

1 MECHANICAL FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

MAY 20, 2019



NOTE:

- NEW BACKGROUND

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4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CALCU, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNER'S DISCRETION.

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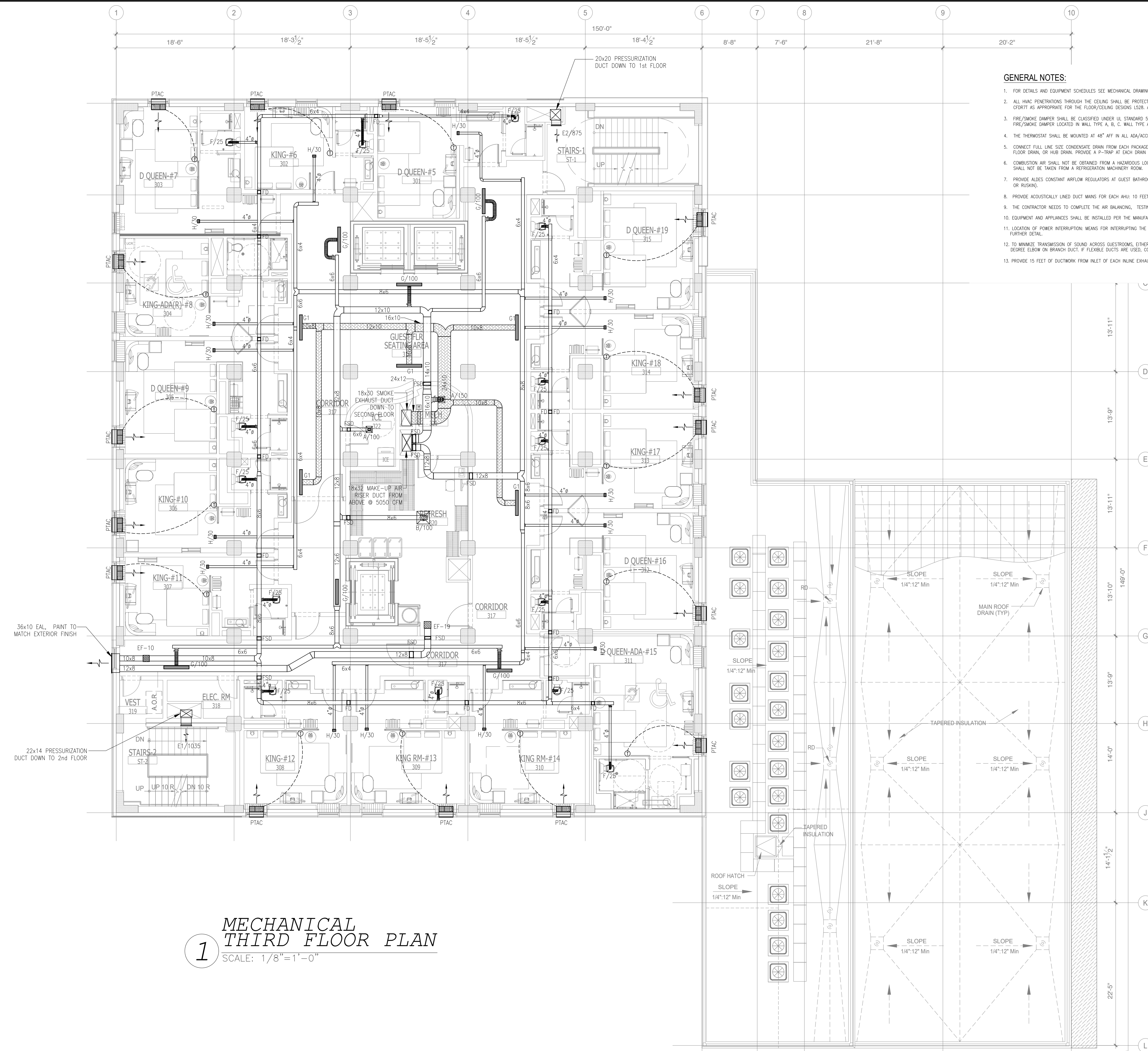
**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
FIRST FLOOR PLAN**

SHEET **M2.1**



GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7077 OR EQUIV. AS APPROPRIATE FOR THE FLOOR/CEILING DECKS USED. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 8022 TYPE "C" FIRE DAMPER.
- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL 720-25. IT IS RATED AS A 1 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C. WALL TYPE A USA0 (150), WALL TYPE B US34 (110), WALL TYPE C US311 (110).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
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- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE JOINTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH RULINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

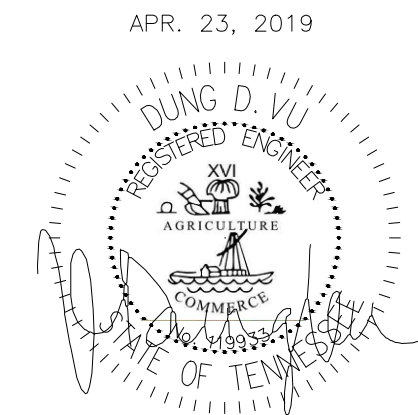
1 MECHANICAL THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"

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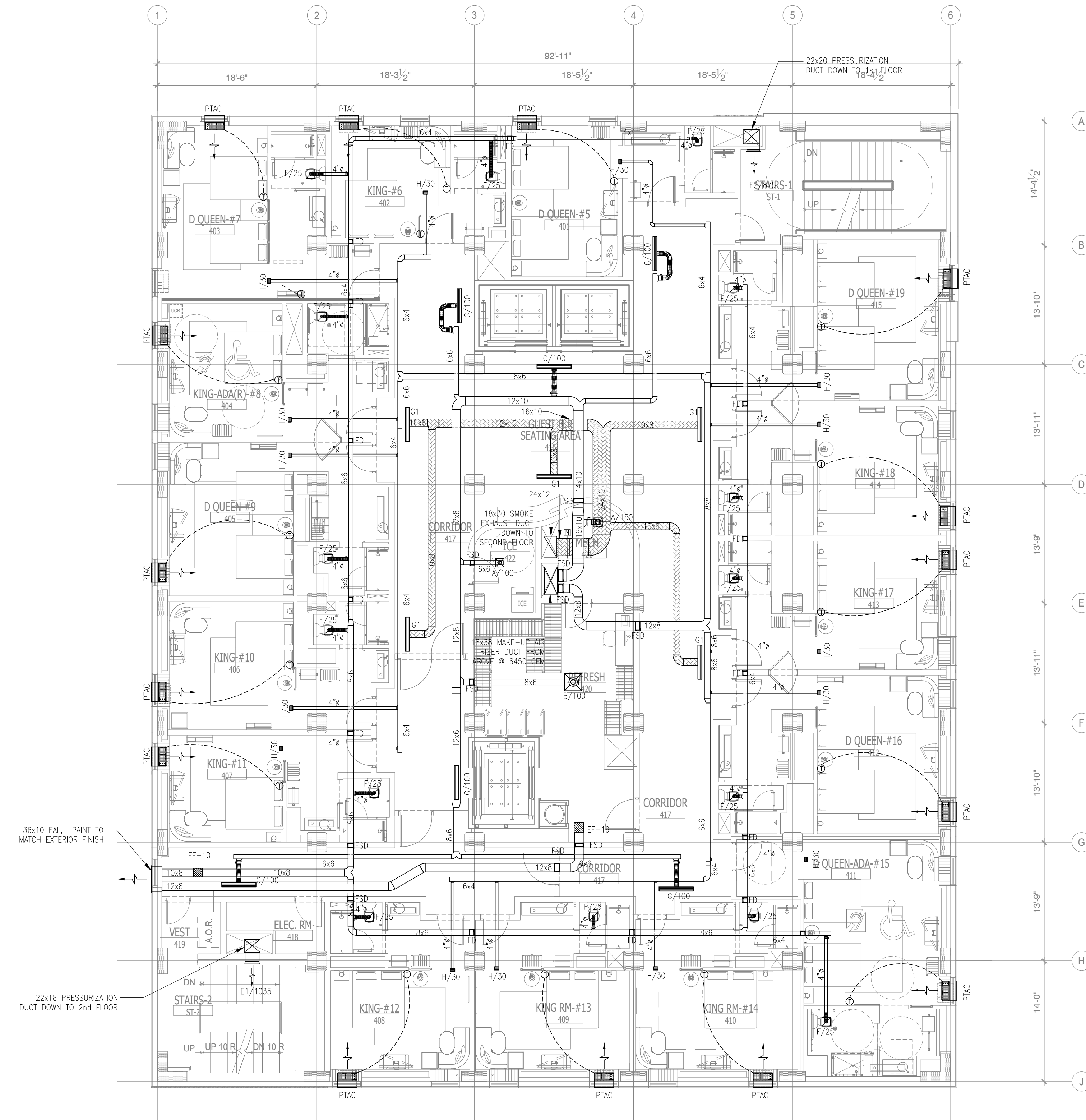
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL THIRD FLOOR PLAN

SHEET **M2.3**

NOTE:
• NEW BACKGROUND

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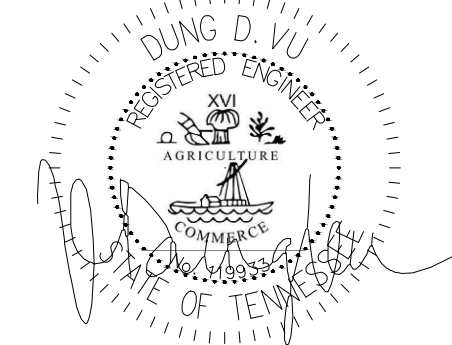
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APR. 23, 2019



1 MECHANICAL FOURTH FLOOR PLAN
SCALE: 1/8"=1'-0"

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3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE, ITEMS AND OR TASKS LIKE, FIRE CALCS, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BELLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.

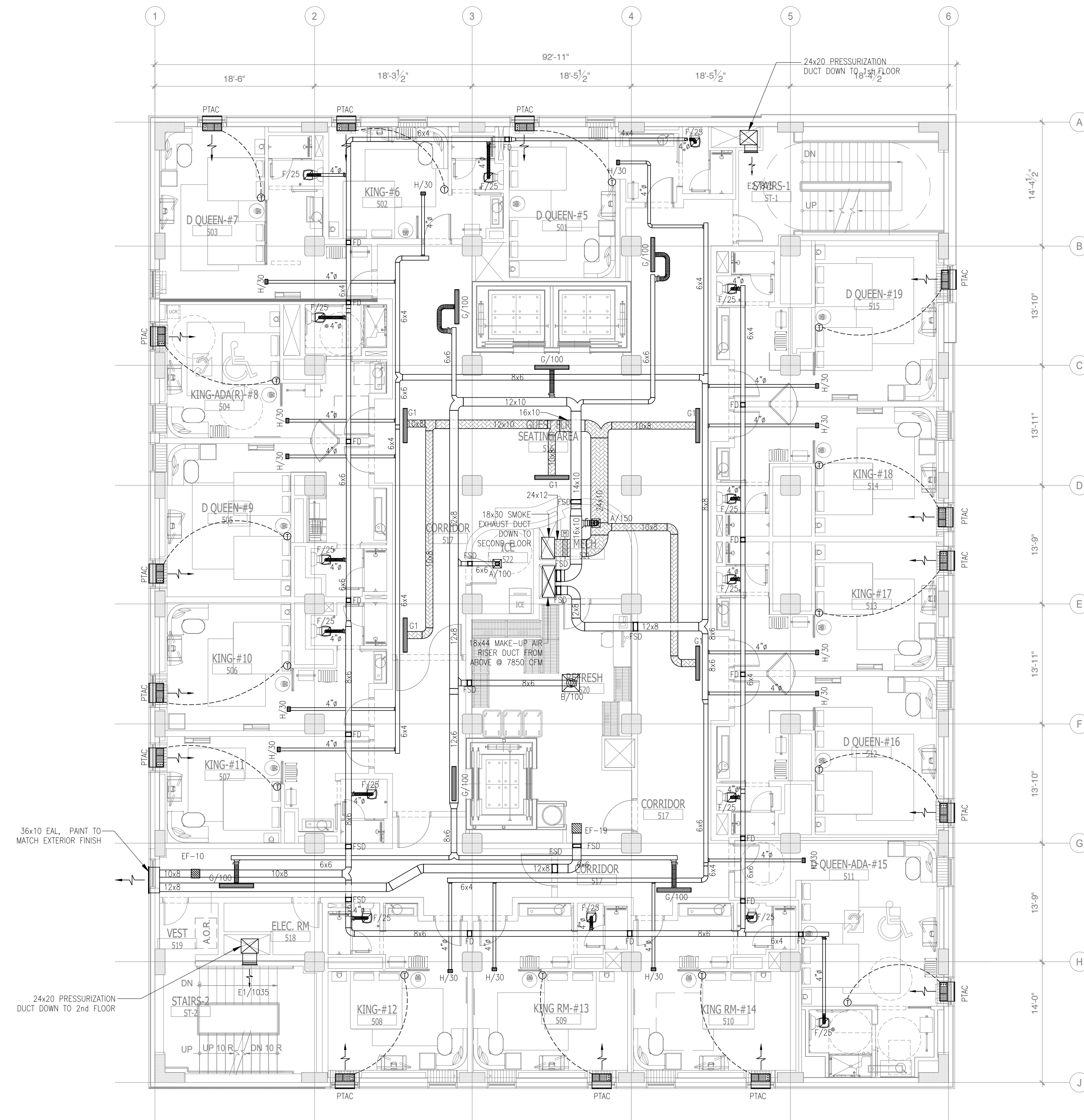
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL FOURTH FLOOR PLAN

SHEET **M2.4**



1 MECHANICAL FIFTH FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7077 OR C7077T AS APPROPRIATE FOR THE FLOOR/CEILING DEPENDS UPON. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 8022 TYPE "C" FIRE DAMPER.
- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL 720-25. IT IS RATED AS A 1 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C, WALL TYPE A U340 (150), WALL TYPE B U314 (110), WALL TYPE C U311 (110).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR; BY ALDES OR RUSKIN.
- PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE DUCTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH LINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

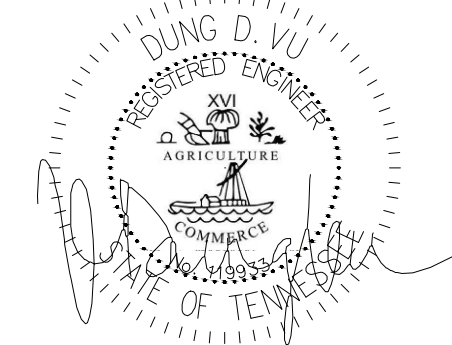
NO.	DESCRIPTION	DATE	BY
-	ISSUED FOR DEMOLITION	06/09/17	PL
-	ISSUED TO FRANCHISE	06/09/17	PL
-	ISSUED FOR BID (ID ONLY)	07/21/17	PL
-	ISSUED TO FRANCHISE	08/17/17	PL
-	ISSUED FOR PERMIT	08/04/17	PL
-	FOR FINAL APPROVAL	10/02/17	PL
-	ISSUED FOR PERMIT	11/28/17	PL
-	ISSUED FOR PERMIT	2/21/18	PL
-	ISSUED FOR FRANCHISE	03/24/18	PL
-	ISSUED FOR FRANCHISE	05/20/19	PL



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WARNING
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE ARCHITECT, TO ALTER OR REPRODUCE THESE DRAWINGS IN ANY WAY.

APR. 23, 2019



ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

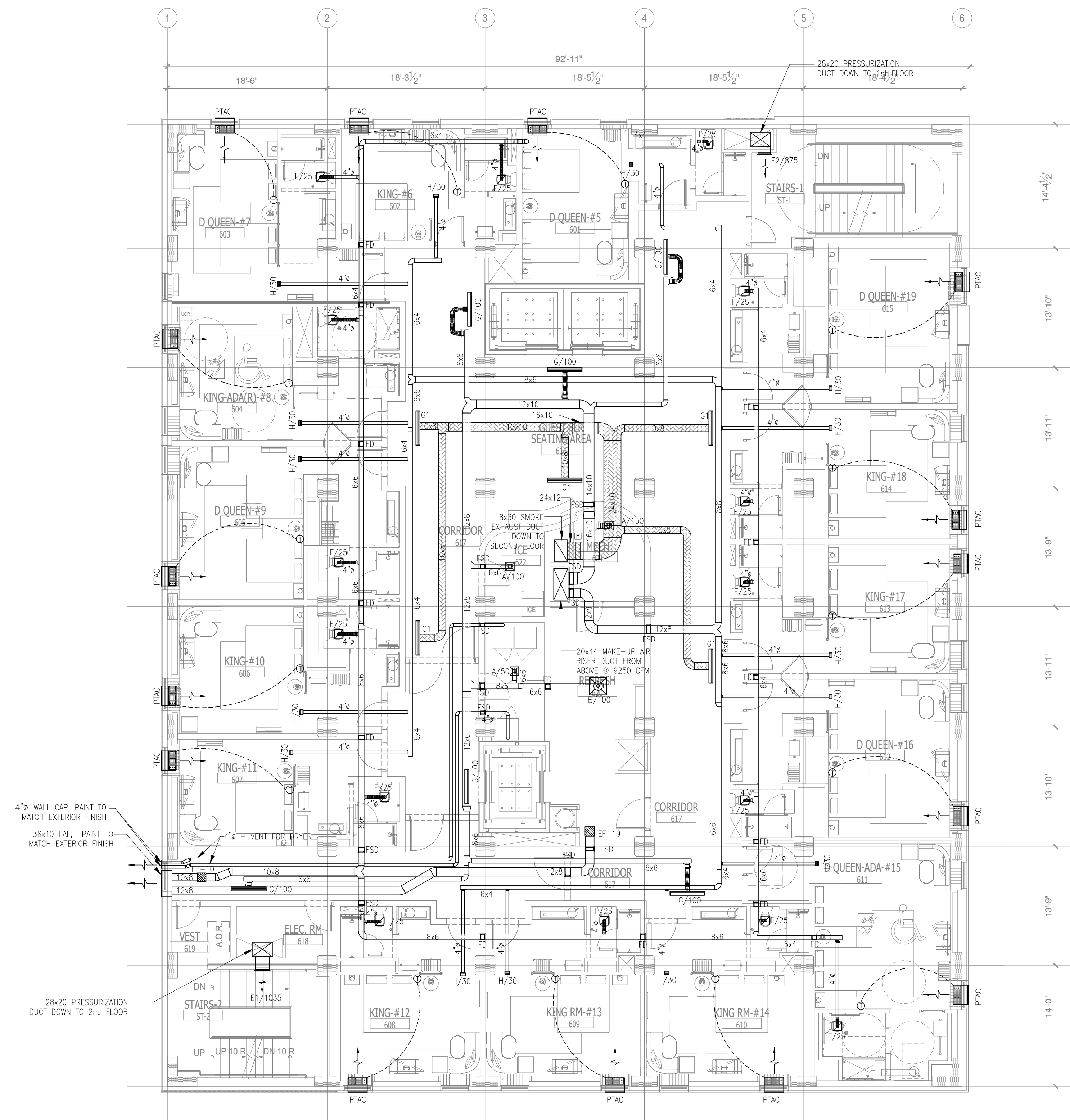
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL
FIFTH FLOOR PLAN

SHEET M2.5

NOTE:
• NEW BACKGROUND

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS: (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)
IF AWARDED A CONTRACT FOR ANY PORTION OF WORK NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:
1. YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURNKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID INCLUDES ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE, ITEMS AND OR TASKS LIKE, FIRE CALCS, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNER'S DISCRETION.

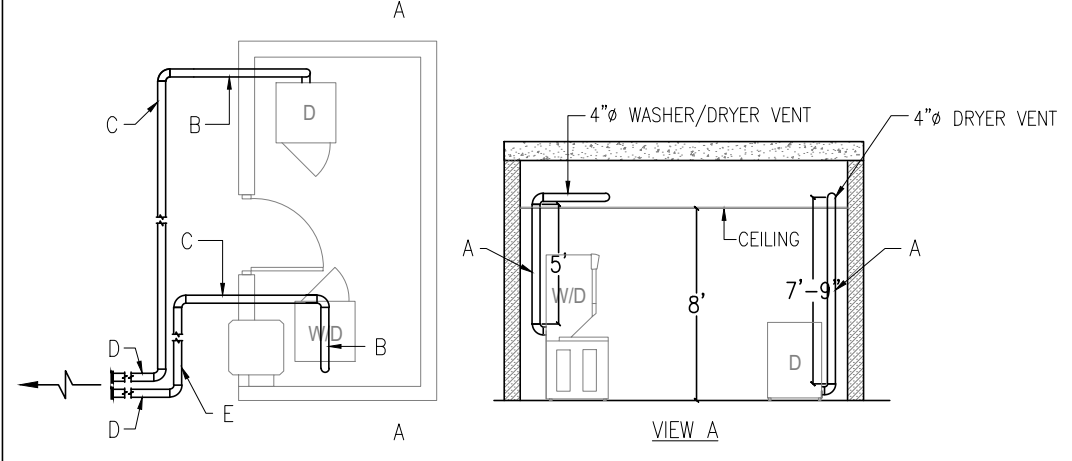


1 MECHANICAL SIXTH FLOOR PLAN
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL CDTT OR CORTY AS APPROPRIATE FOR THE FLOOR/CEILING DESIGN LOAD. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 4802 TYPE "B" FIRE DAMPER.
- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL FSD-35. IT IS RATED AS A 15" HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPERS LOCATED IN WALL TYPE A, B, C, WALL TYPE A (1.5H), WALL TYPE B (1.5H), WALL TYPE C (1.5H).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DIA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-6) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-1) TO MINIMIZE BALANCING LABOR (BY ALDES OR RUSKIN).
- PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU; 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE DUCTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH NINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

NOTE:
1. B C D E - SEE LENGTH DETAILS ON M2.6
2. SCREENS AND RIVETS ON DRYER DUCTING IS NOT ALLOWED

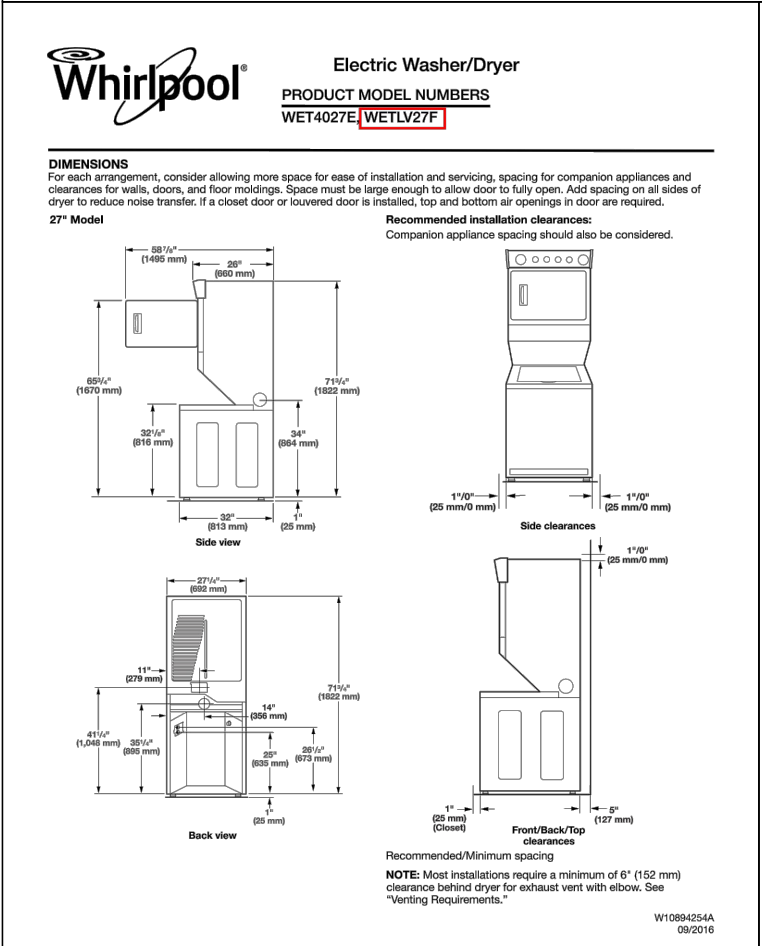


DRYER VENT LENGTH CALCULATION

* TOTAL DRYER VENT LENGTH WITH 04 ELBOWS:
A+B+C+D = 7'-9" + 5'-8"-2'-3.5" + 3'-2.5" = 7'-11" < 12'0" (SEE ON DRYER CUT SHEET)

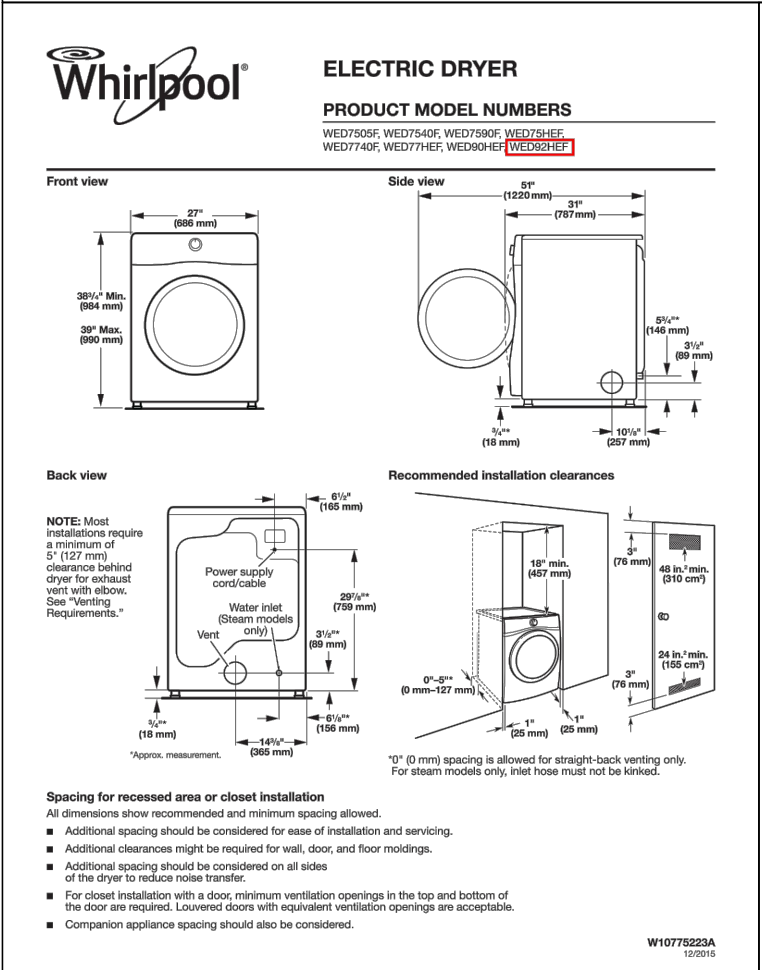
* TOTAL WASHER/DRYER VENT LENGTH WITH 05 ELBOWS:
A+B+C+D+E = 5' + 2'-7" + 5'-3" + 17'-10" + 3'-10.5" = 64'-16.5" < 75' (SEE ON WASHER/DRYER CUT SHEET)

GUEST LAUNDRY VENT PIPE DETAILS
SCALE: NTS



Whirlpool Electric Washer/Dryer
PRODUCT MODEL NUMBERS
WET4070, WET4071, WET4072, WET4073, WET4074, WET4075, WET4076, WET4077, WET4078, WET4079, WET4080, WET4081, WET4082, WET4083, WET4084, WET4085, WET4086, WET4087, WET4088, WET4089, WET4090, WET4091, WET4092, WET4093, WET4094, WET4095, WET4096, WET4097, WET4098, WET4099, WET4100, WET4101, WET4102, WET4103, WET4104, WET4105, WET4106, WET4107, WET4108, WET4109, WET4110, WET4111, WET4112, WET4113, WET4114, WET4115, WET4116, WET4117, WET4118, WET4119, WET4120, WET4121, WET4122, WET4123, WET4124, WET4125, WET4126, WET4127, WET4128, WET4129, WET4130, WET4131, WET4132, WET4133, WET4134, WET4135, WET4136, WET4137, WET4138, WET4139, WET4140, WET4141, WET4142, WET4143, WET4144, WET4145, WET4146, WET4147, WET4148, WET4149, WET4150, WET4151, WET4152, WET4153, WET4154, WET4155, WET4156, WET4157, WET4158, WET4159, WET4160, WET4161, WET4162, WET4163, WET4164, WET4165, WET4166, WET4167, WET4168, WET4169, WET4170, WET4171, WET4172, WET4173, WET4174, WET4175, WET4176, WET4177, WET4178, WET4179, WET4180, 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WASHER / DRYER CUT SHEET



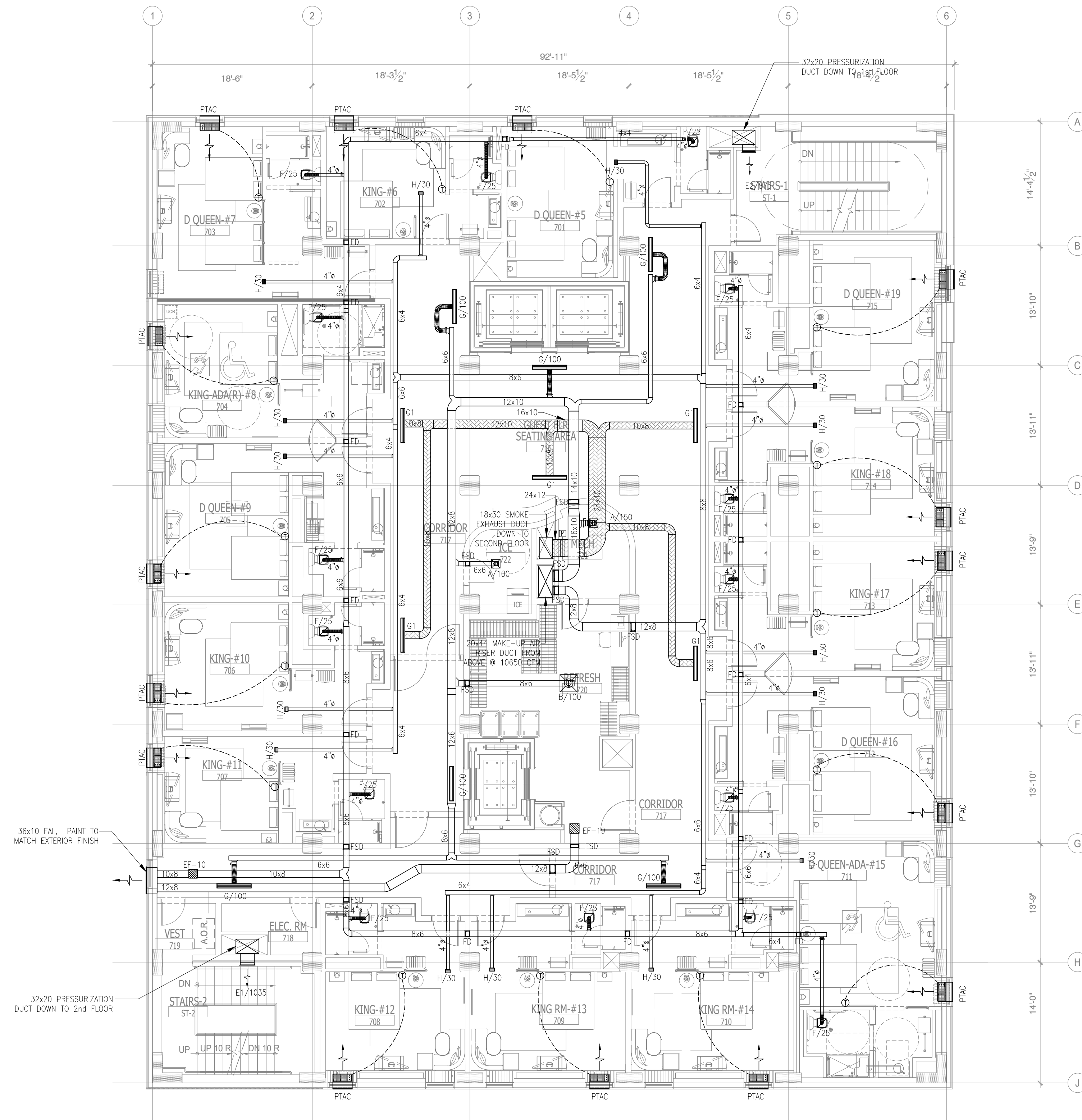
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DRYER CUT SHEET

NOTE:
• NEW BACKGROUND

IMPORTANT NOTICE TO ALL CONTRACTORS AND OR SUBCONTRACTORS (COMPLETE BUILDING SYSTEMS AND OR INSTALLATIONS)
IF AWARDED A CONTRACT FOR ANY PORTION OF WORKS NEEDED TO COMPLETE THIS PROJECT YOU ARE AGREEING TO THE FOLLOWING TERMS:
1. YOU ARE A QUALIFIED CONTRACTOR AND OR SUBCONTRACTOR SPECIFICALLY IN PROVIDING A COMPLETE TURKEY SERVICE IN YOUR TRADE OR PROFESSION FOR THE TYPE OF WORK AND SCOPE FOR THIS PROJECT.
2. YOUR BID MUST INCLUDE ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST INCLUDE ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE ITEMS AND OR TASKS LIKE, FIRE CALCS, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCORRECT WORK WILL BE BELLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS DISCRETION.

NO.	DESCRIPTION	DATE	BY
-	ISSUED FOR DEMOLITION	06/09/17	PL
-	ISSUED TO FRANCHISE	06/09/17	PL
-	ISSUED FOR BID (ID ONLY)	07/21/17	PL
-	ISSUED TO FRANCHISE	08/11/17	PL
-	ISSUED FOR PERMIT	08/04/17	PL
-	FOR FINAL APPROVAL	10/02/17	PL
-	ISSUED FOR PERMIT	11/28/17	PL
-	ISSUED FOR PERMIT	2/21/18	PL
-	ISSUED FOR FRANCHISE	03/24/18	PL
-	ISSUED FOR FRANCHISE	05/20/19	PL

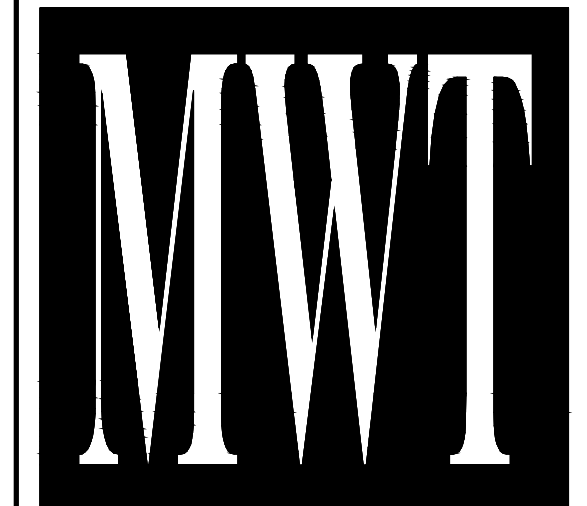


GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7017 OR C7017T AS APPROPRIATE FOR THE FLOOR/CEILING DEPENDS. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802 TYPE "R" FIRE DAMPER.
- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL 720-25. IT IS RATED AS A 1 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C. WALL TYPE A US40 (1.5H), WALL TYPE B US34 (1H), WALL TYPE C US31 (1H).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBSCURABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INTS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR; BY ALDES OR RUSKIN.
- PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE DUCTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH INLINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

1 MECHANICAL SEVENTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NO.	DESCRIPTION	DATE	BY
-	ISSUED FOR DEMOLITION	06/09/17	PL
-	ISSUED TO FRANCHISE	06/09/17	PL
-	ISSUED FOR BID (ID ONLY)	07/21/17	PL
-	ISSUED TO FRANCHISE	08/17/17	PL
-	ISSUED FOR PERMIT	08/04/17	PL
-	FOR FINAL APPROVAL	10/02/17	PL
-	ISSUED FOR PERMIT	11/28/17	PL
-	ISSUED FOR PERMIT	2/21/18	PL
-	ISSUED FOR FRANCHISE	03/24/18	PL
-	ISSUED FOR FRANCHISE	05/20/19	PL



ARCHITECTURE
URBAN PLANNING
INTERIORS
HOTELS/ HOUSING/ MIXED USE
1800.630.3750
CA-SERVICES
ca@mwtusa.com / 1800.717.5816

WARNING
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE ARCHITECT, TO ALTER OR REPRODUCE THESE DRAWINGS IN ANY WAY.

APR. 23, 2019



ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

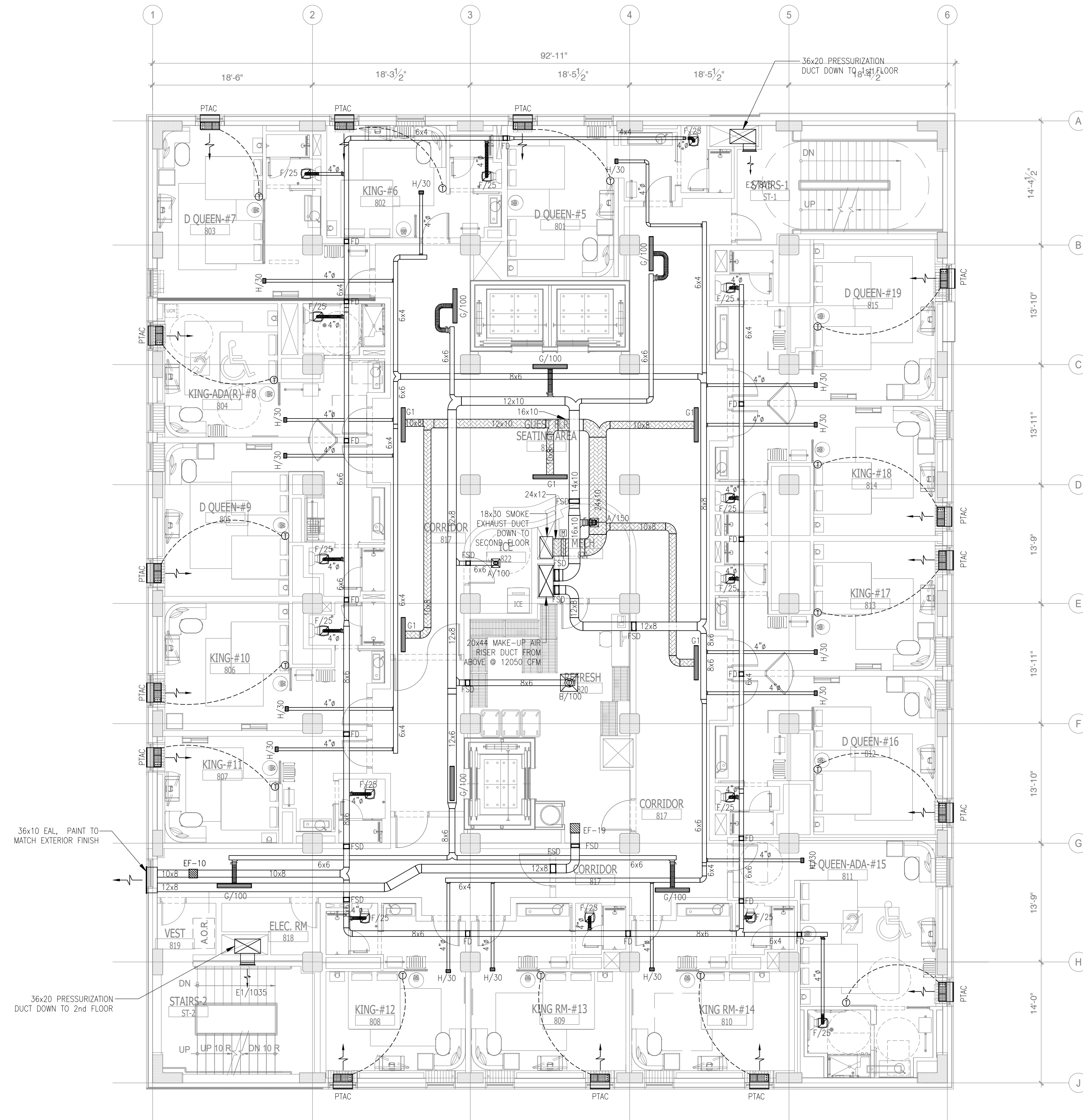
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL SEVENTH FLOOR PLAN

SHEET **M2.7**

NOTE:
• NEW BACKGROUND

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2. YOUR BID INCLUDED ALL THE STEPS, PROCESSES, MATERIALS, PRODUCTS, GOVERNING PERMITS AND APPROVALS NECESSARY TO PROVIDE A COMPLETED AND WARRANTED SYSTEM OR INSTALLATION THAT DOES NOT REQUIRE ANOTHER CONTRACTOR OR PRODUCT TO COMPLETE YOUR SCOPE OF WORK.
3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE, ITEMS AND OR TASKS LIKE, FIRE CALUX, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



1 MECHANICAL EIGHTH FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

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- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL F20-25. IT IS RATED AS A 1 1/2" HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C, WALL TYPE A US40 (150), WALL TYPE B US34 (110), WALL TYPE C US31 (110).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT RILL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR HANDLING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
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- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR; BY ALDES OR RUSKIN.
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- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE DUCTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH RILLINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

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-	ISSUED FOR PERMIT	11/28/17	PL
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-	ISSUED FOR FRANCHISE	05/20/19	PL



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APR. 23, 2019



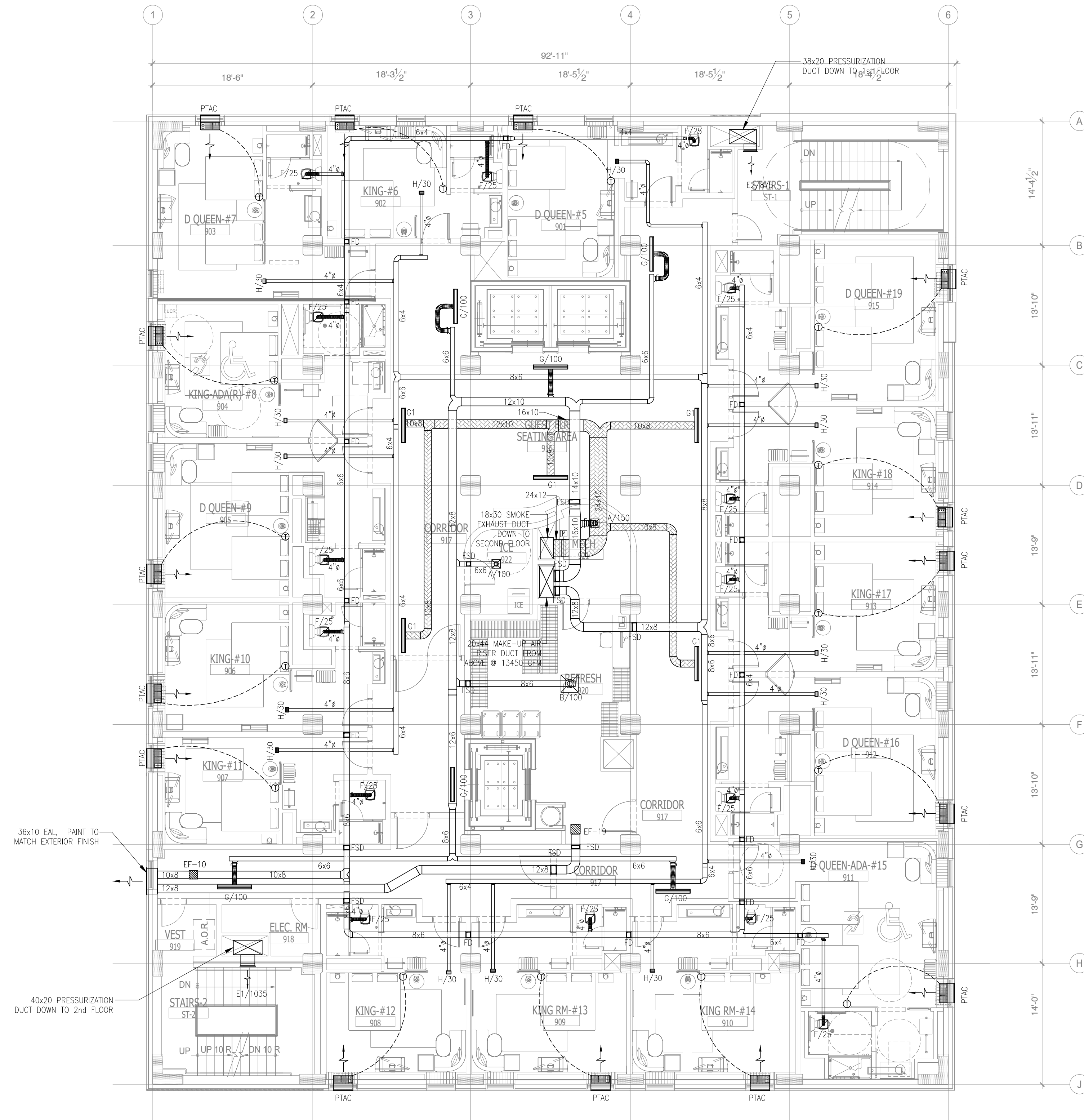
ALOFT MEMPHIS DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL EIGHTH FLOOR PLAN

SHEET **M2.8**



**MECHANICAL
NINTH FLOOR PLAN**
SCALE: 1/8"=1'-0"

GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7077 OR EQUIV. AS APPROPRIATE FOR THE FLOOR/CEILING DEVICES USED. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802 TYPE "R" FIRE DAMPER.
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- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT RILL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR; BY ALDES OR RUSKIN.
- PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- TO MINIMIZE TRANSMISSION OF SOUND ACROSS GUESTROOMS, EITHER RELOCATE MANS TO CORRIDOR CEILING, OR PROVIDE ACOUSTICAL LINING ON ENTIRE LENGTH OF EXHAUST MAIN. PROVIDE ONE 90-DEGREE ELBOW ON BRANCH DUCT. IF FLEXIBLE DUCTS ARE USED, CONFIRM THAT THEY ARE RATED FOR 0.25" NEGATIVE STATIC PRESSURE.
- PROVIDE 15 FEET OF DUCTWORK FROM INLET OF EACH RILLINE EXHAUST FAN DUE TO ITS HIGH NOISE LEVEL (OVER 4.5 SONES).

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**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
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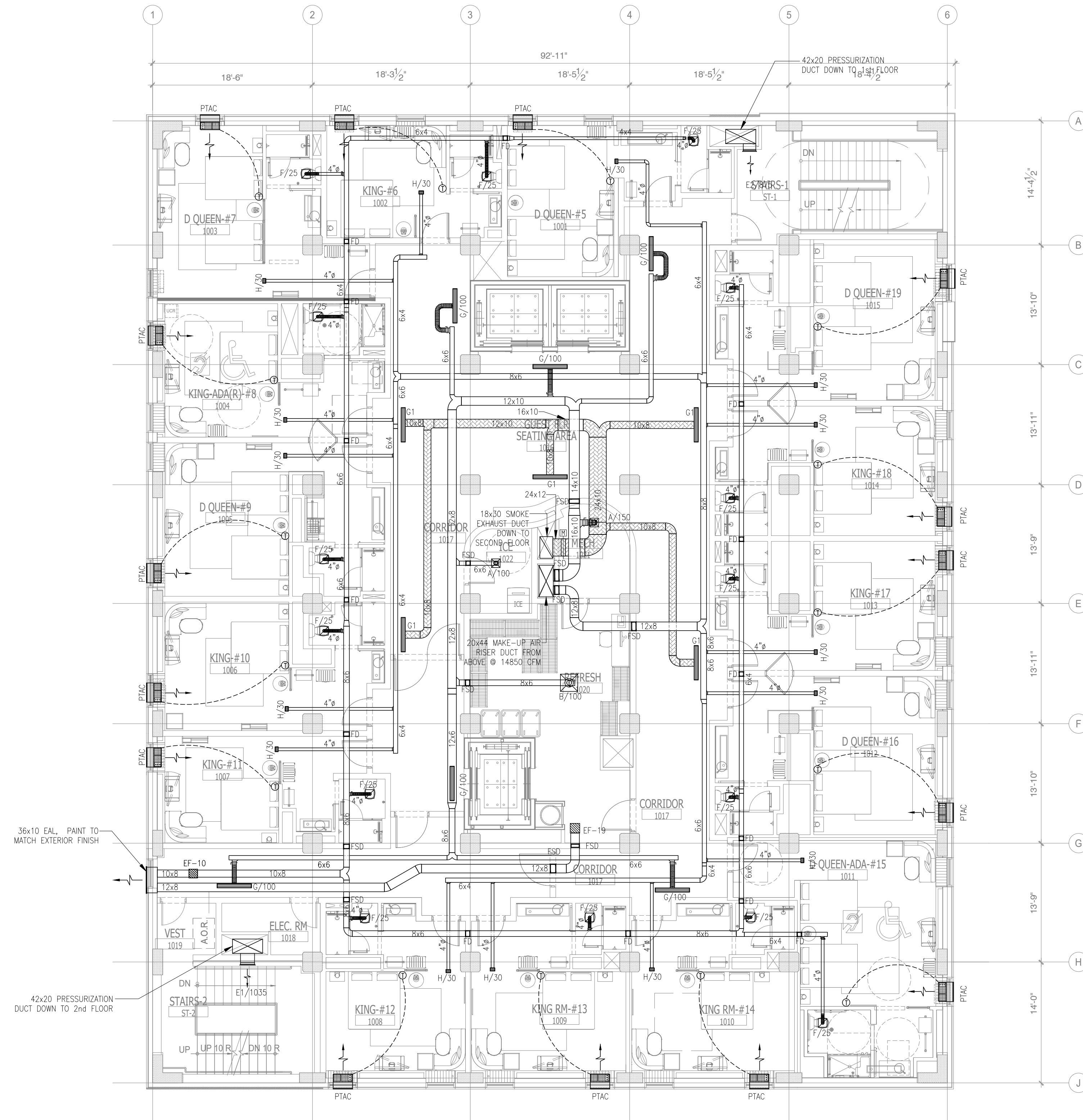
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
NINTH FLOOR PLAN**

SHEET **M2.9**

NOTE:
• NEW BACKGROUND

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**MECHANICAL
TENTH FLOOR PLAN**
SCALE: 1/8"=1'-0"

GENERAL NOTES:

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- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7077 OR C7077T AS APPROPRIATE FOR THE FLOOR/CEILING DEPENDS. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802 TYPE "R" FIRE DAMPER.
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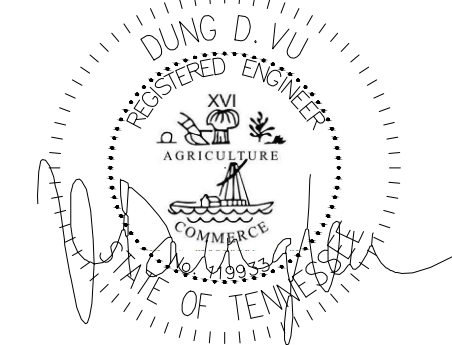
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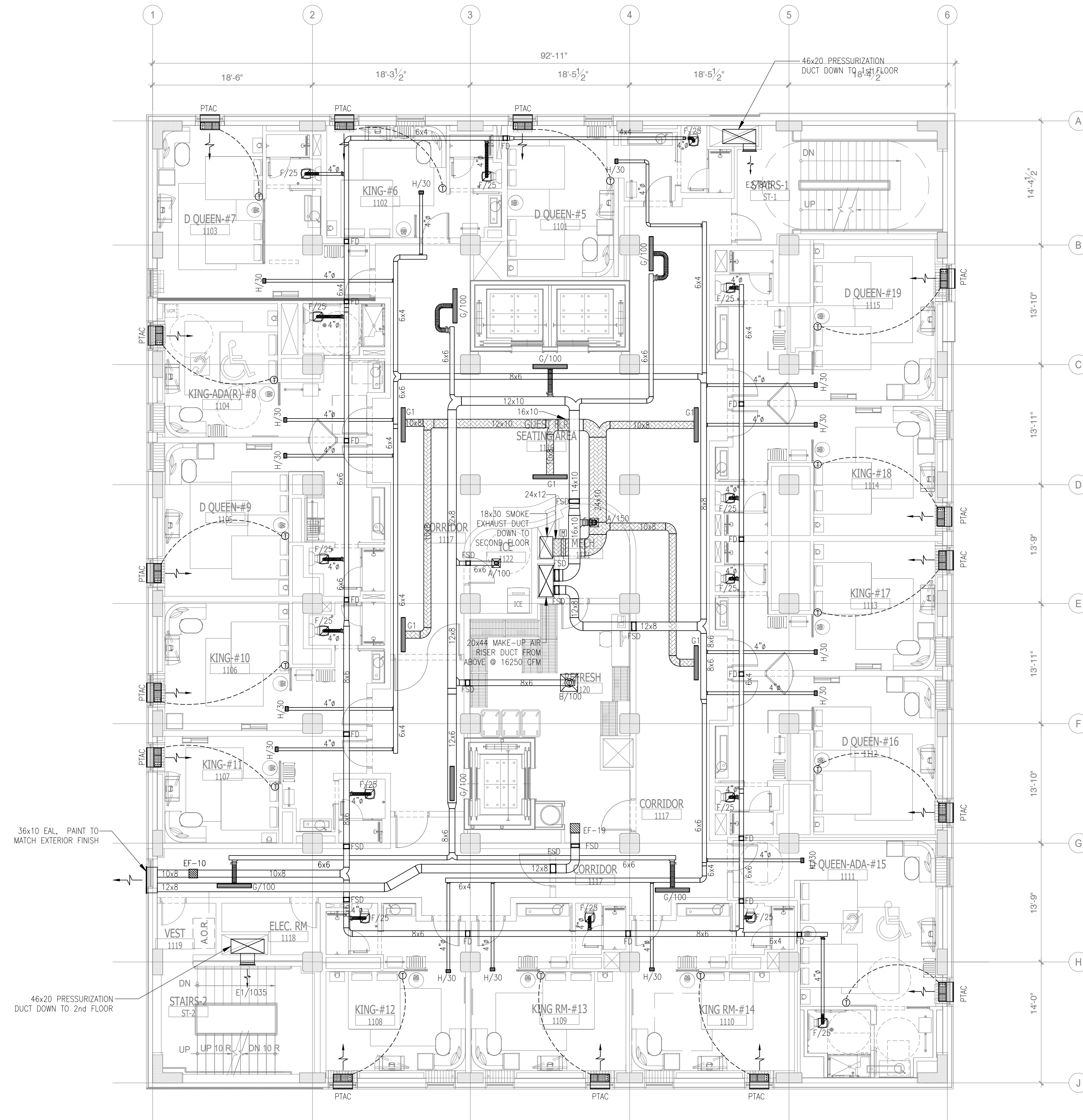
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
TENTH FLOOR PLAN**

SHEET **M2.10**

NOTE:
• NEW BACKGROUND

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MECHANICAL ELEVENTH FLOOR PLAN
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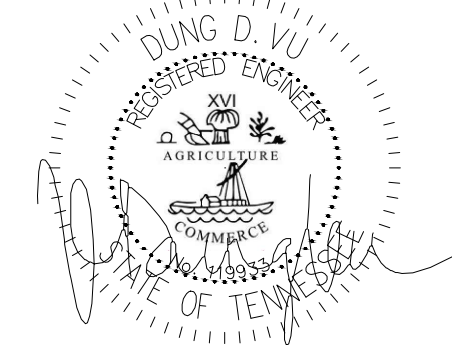
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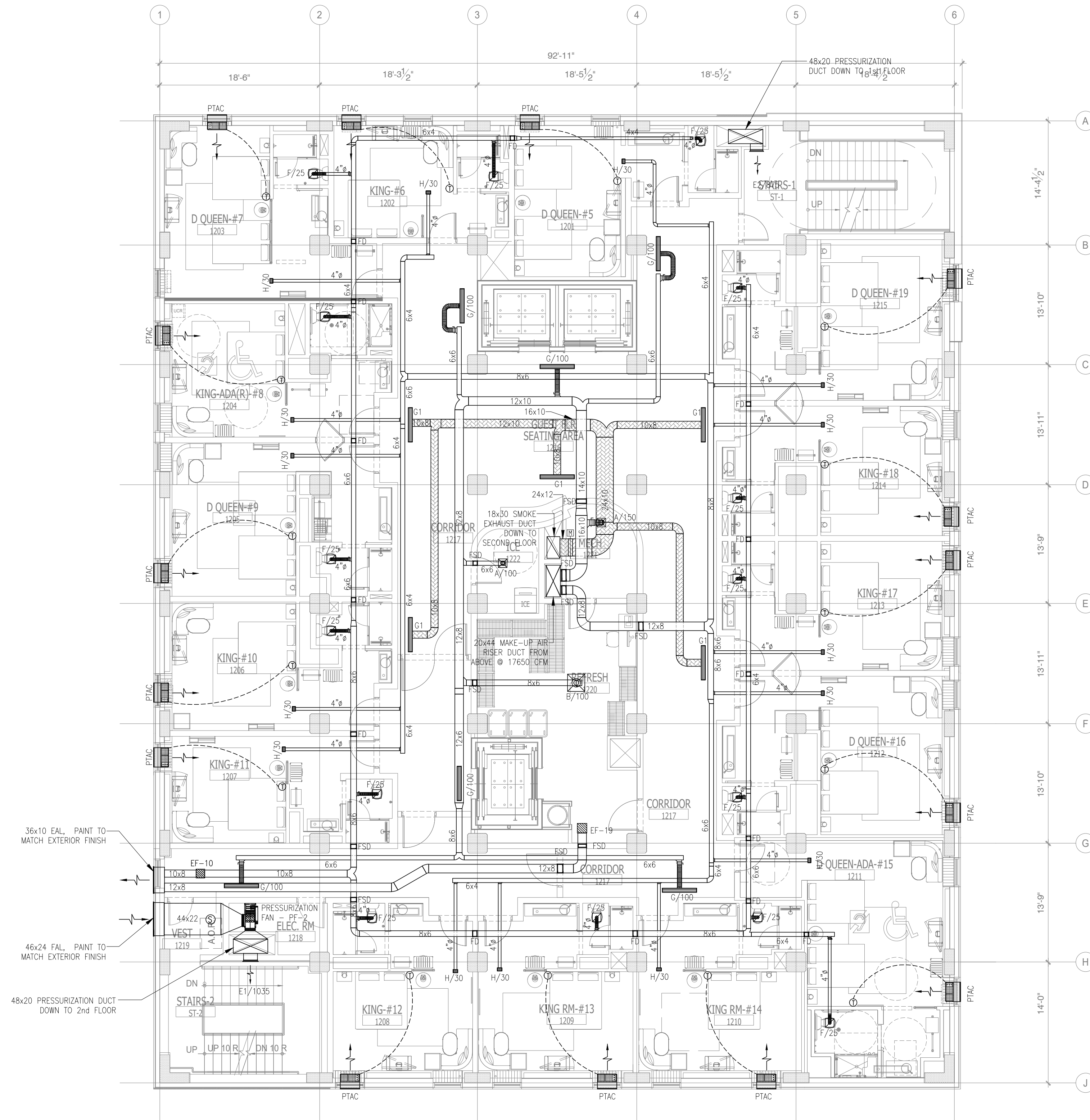
PROJECT NO.: 16 006
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 CHKD. BY: DV

MECHANICAL ELEVENTH FLOOR PLAN

SHEET M2.11

NOTE:
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TWELFTH FLOOR PLAN**
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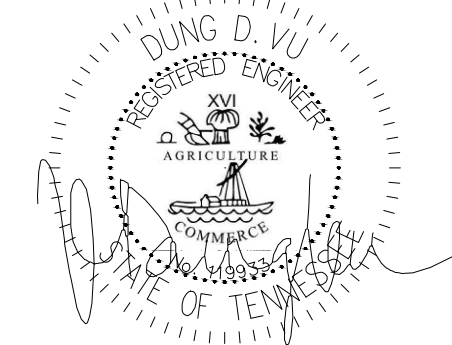
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-	ISSUED FOR PERMIT	11/28/17	PL
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APR. 23, 2019



**ALOFT
MEMPHIS
DOWNTOWN**

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

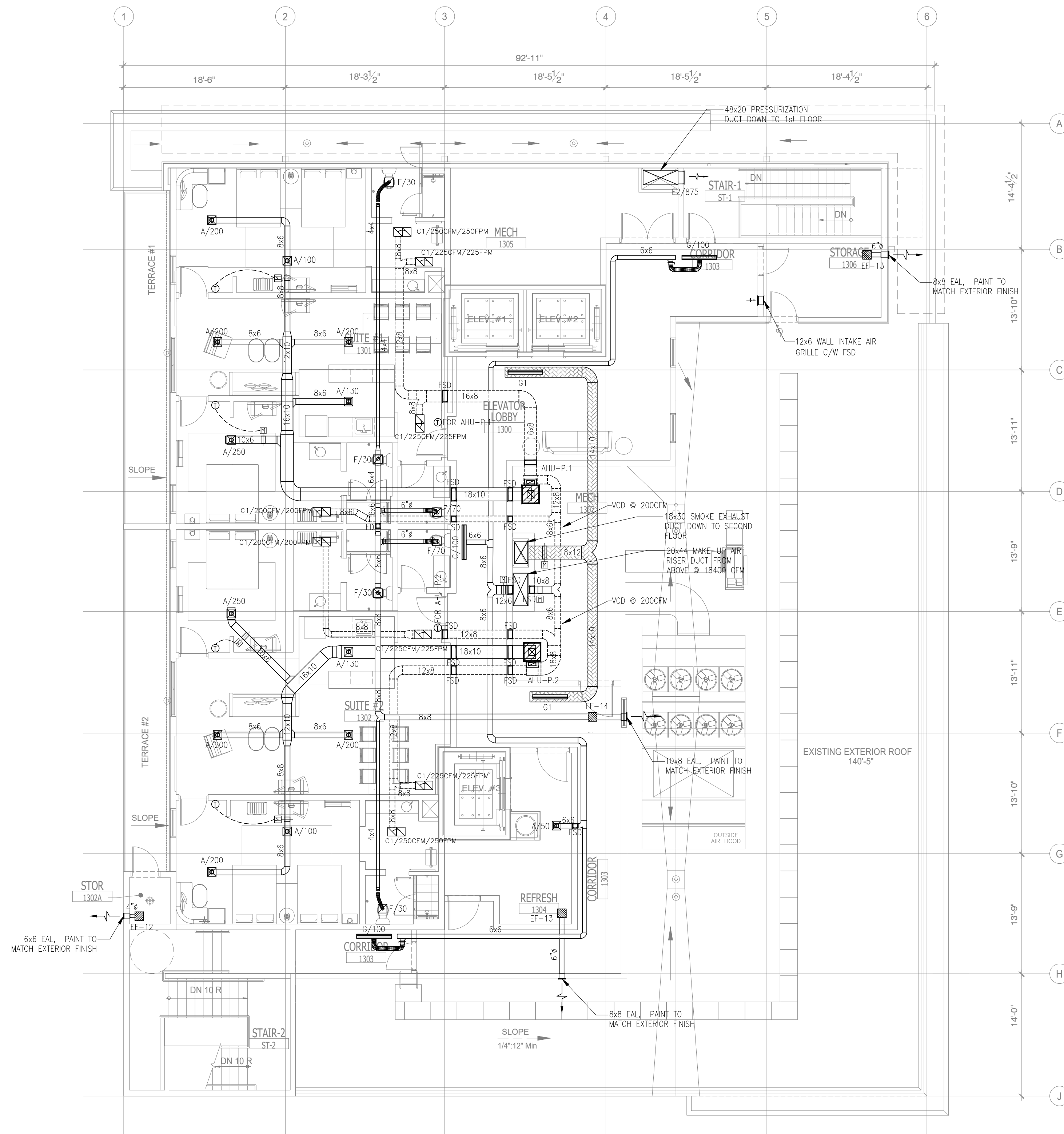
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
TWELFTH FLOOR PLAN**

SHEET **M2.12**

NOTE:
• NEW BACKGROUND

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4. AS AN EXAMPLE, ITEMS AND OR TASKS LIKE, FIRE CALUX, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BELLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



1 MECHANICAL PENTHOUSE FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- FOR DETAILS AND EQUIPMENT SCHEDULES SEE MECHANICAL DRAWING M1.0-1.2 & M3.0-1.
- ALL HVAC PENETRATIONS THROUGH THE CEILING SHALL BE PROTECTED BY CEILING FIRE DAMPERS. DAMPERS SHALL BE CLASSIFIED UNDER UL STANDARD 555. DAMPERS SHALL BE RUSKIN MODEL C7077 OR C7077T AS APPROPRIATE FOR THE FLOOR/CEILING DESIGN LOADS. ALL PENETRATIONS THROUGH FIRE WALLS SHALL BE PROTECTED BY RUSKIN MODEL 802C TYPE "C" FIRE DAMPER.
- FIRE/SMOKE DAMPER SHALL BE CLASSIFIED UNDER UL STANDARD 555S. DAMPERS SHALL BE RUSKIN MODEL F20-25. IT IS RATED AS A 1 1/2 HOUR FIRE DAMPER AND A LEAKAGE CLASS II DAMPER. ALL FIRE/SMOKE DAMPER LOCATED IN WALL TYPE A, B, C, WALL TYPE A US40 (15H), WALL TYPE B US40 (15H), WALL TYPE C US31 (15H).
- THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM.
- CONNECT FULL LINE SIZE CONDENSATE DRAIN FROM EACH PACKAGED AIR CONDENSING UNIT TO THE 2" DA CONDENSATE RISER. RUN CONDENSATE DRAIN LINES FROM AIR HANDLING UNITS TO THE NEAREST FLOOR DRAIN, OR HUB DRAIN. PROVIDE A P-TRAP AT EACH DRAIN CONNECTION.
- COMBUSTION AIR SHALL NOT BE OBTAINED FROM A HAZARDOUS LOCATION OR FROM ANY AREA IN WHICH OBJECTIONABLE QUANTITIES OF FLAMMABLE VAPOR, LINT OR DUST ARE RELEASED. COMBUSTION AIR SHALL NOT BE TAKEN FROM A REFRIGERATION MACHINERY ROOM.
- PROVIDE ALDES CONSTANT AIRFLOW REGULATORS AT GUEST BATHROOM EXHAUST INLETS (MODEL: CER-H) AND GUEST ROOM MAKEUP AIR OUTLETS (MODEL: CAR-H) TO MINIMIZE BALANCING LABOR; BY ALDES OR RUSKIN.
- PROVIDE ACOUSTICALLY LINED DUCT MANS FOR EACH AHU: 10 FEET OF SA AND RA (15 FEET FOR MEETING ROOMS).
- THE CONTRACTOR NEEDS TO COMPLETE THE AIR BALANCING, TESTING AND COMMISSIONING THE SYSTEM BY A QUALIFIED THIRD PARTY.
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
- LOCATION OF POWER INTERRUPTION MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
- PROVIDE "AIR BALANCE SUMMARY" FOR EACH FLOOR TO CONFIRM POSITIVE PRESSURE AS REQUIRED.
- PROVIDE 10 FEET OF ACOUSTICALLY LINED SUPPLY DUCT MAN FOR EACH AHU/FCU (15 FEET RECOMMENDED FOR MEETING ROOMS AND ALL RUS).
- PROVIDE SOUND LINING FOR RETURN DUCTWORK OF ALL SYSTEMS SERVING PUBLIC SPACES.
- PROVIDE BALANCING DAMPER FOR EACH BRANCH DUCT, INCLUDING RUNOUTS TO AIR DEVICES.
- MAINTAIN 10 FEET DISTANCE BETWEEN SUPPLY AND RETURN/EXHAUST AIR DEVICES.
- PROVIDE TRANSFER DUCTWORK (WITH ACOUSTICAL LINING) OR DOOR UNDERCUTS (UNDER 50 CFM) FOR ALL ROOMS REQUIRING MAKEUP FOR EXHAUST, OR RETURN OF AIR.

NOTE:
• NEW BACKGROUND

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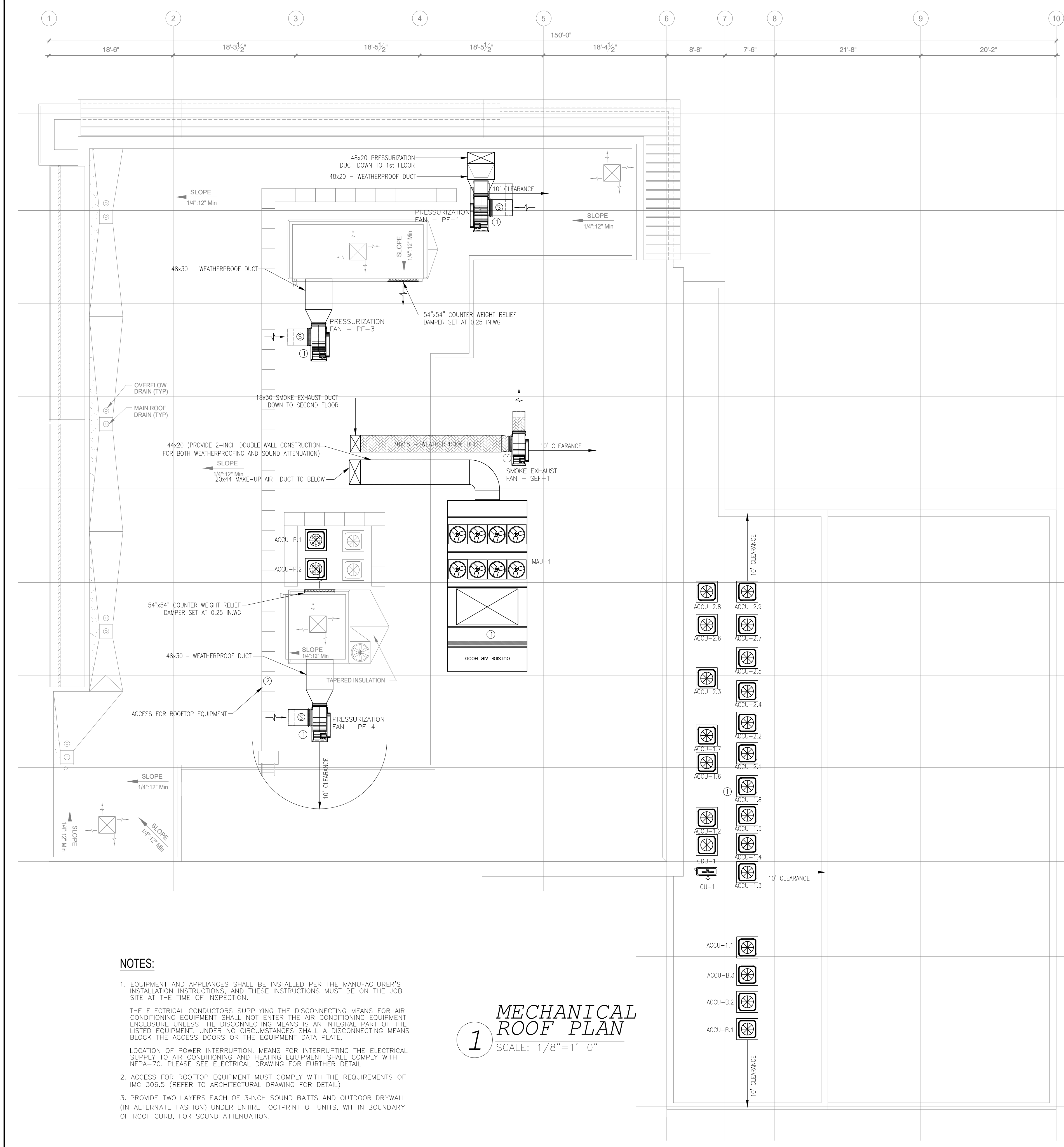
**ALOFT
MEMPHIS
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MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
PENTHOUSE FLOOR
PLAN**

SHEET **M2.13**



- NOTES:**
- EQUIPMENT AND APPLIANCES SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND THESE INSTRUCTIONS MUST BE ON THE JOB SITE AT THE TIME OF INSPECTION.
THE ELECTRICAL CONDUCTORS SUPPLYING THE DISCONNECTING MEANS FOR AIR CONDITIONING EQUIPMENT SHALL NOT ENTER THE AIR CONDITIONING EQUIPMENT ENCLOSURE UNLESS THE DISCONNECTING MEANS IS AN INTEGRAL PART OF THE LISTED EQUIPMENT. UNDER NO CIRCUMSTANCES SHALL A DISCONNECTING MEANS BLOCK THE ACCESS DOORS OR THE EQUIPMENT DATA PLATE.
LOCATION OF POWER INTERRUPTION: MEANS FOR INTERRUPTING THE ELECTRICAL SUPPLY TO AIR CONDITIONING AND HEATING EQUIPMENT SHALL COMPLY WITH NFPA-70. PLEASE SEE ELECTRICAL DRAWING FOR FURTHER DETAIL.
 - ACCESS FOR ROOFTOP EQUIPMENT MUST COMPLY WITH THE REQUIREMENTS OF IMC 306.5 (REFER TO ARCHITECTURAL DRAWING FOR DETAIL)
 - PROVIDE TWO LAYERS EACH OF 3/4\"/>

MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

STAIRCASE #1 PRESSURIZATION RISER
SCALE: N.T.S.

STAIRCASE #2 PRESSURIZATION RISER
SCALE: N.T.S.

NOTE:
• NEW BACKGROUND

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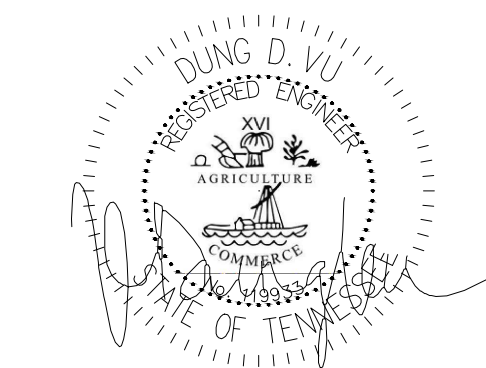
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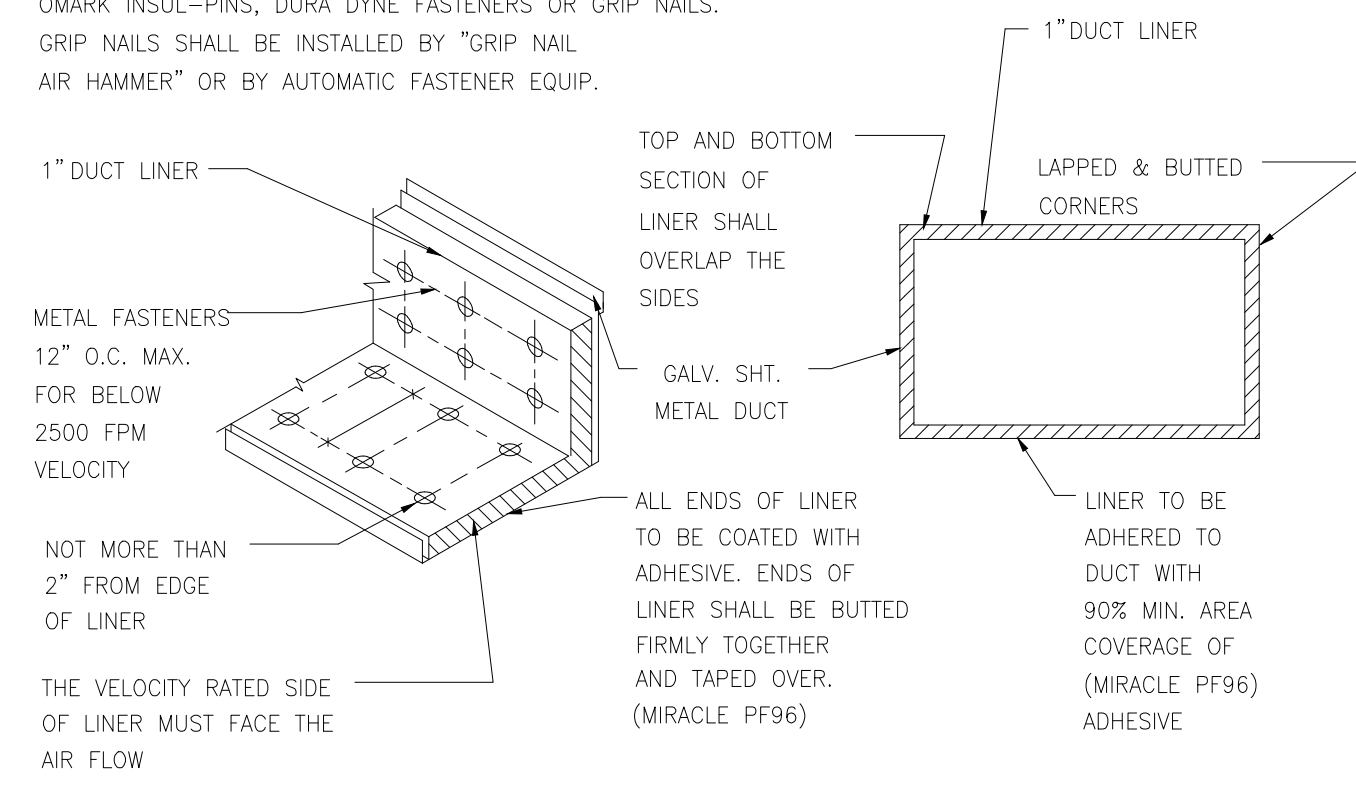
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

**MECHANICAL
ROOF PLAN**
SHEET **M2.14**

APR. 23, 2019

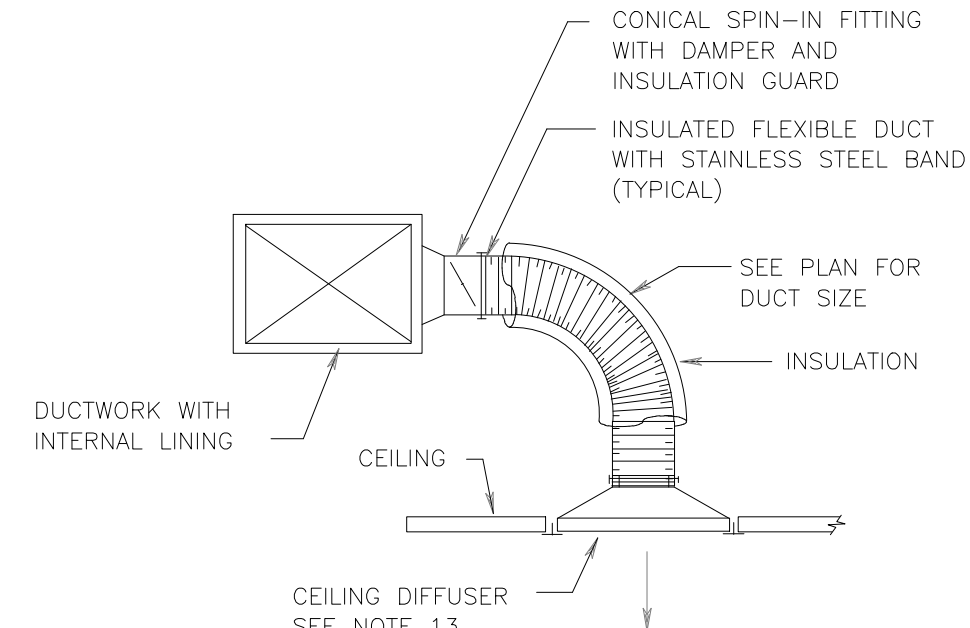


METAL FASTENERS :
OMARK INSUL-PINS, DURA DYNE FASTENERS OR GRIP NAILS.
GRIP NAILS SHALL BE INSTALLED BY "GRIP NAIL
AIR HAMMER" OR BY AUTOMATIC FASTENER EQUIP.



DUCT LINER DETAIL

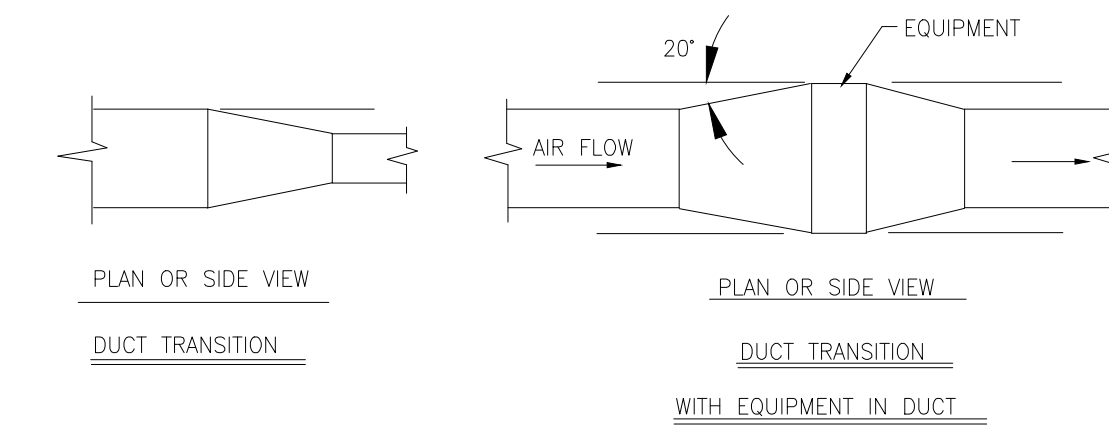
SCALE: N.T.S



NOTE:
FLEXIBLE DUCT INSULATION SHALL BE TAPED TO MAIN DUCT AND TO BACK OF CEILING DIFFUSER. INSULATION SHALL COVER SPIN-IN FITTING AND FLUSH WITH THE BACK OF DIFFUSER.

FLEXIBLE DUCT CONNECTION DETAIL

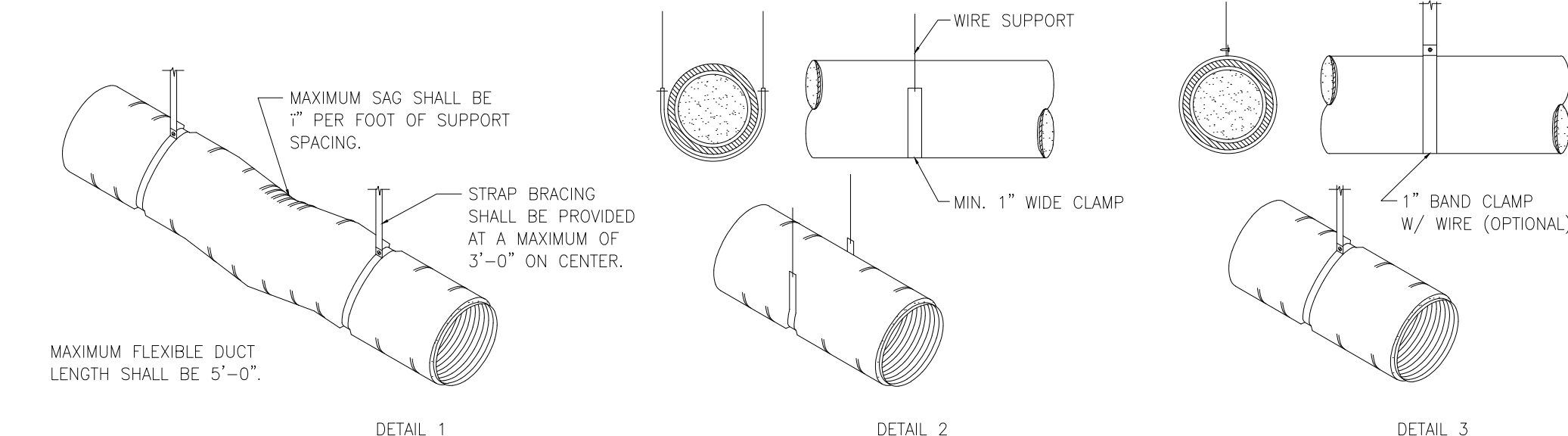
SCALE: N.T.S



NOTE: UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

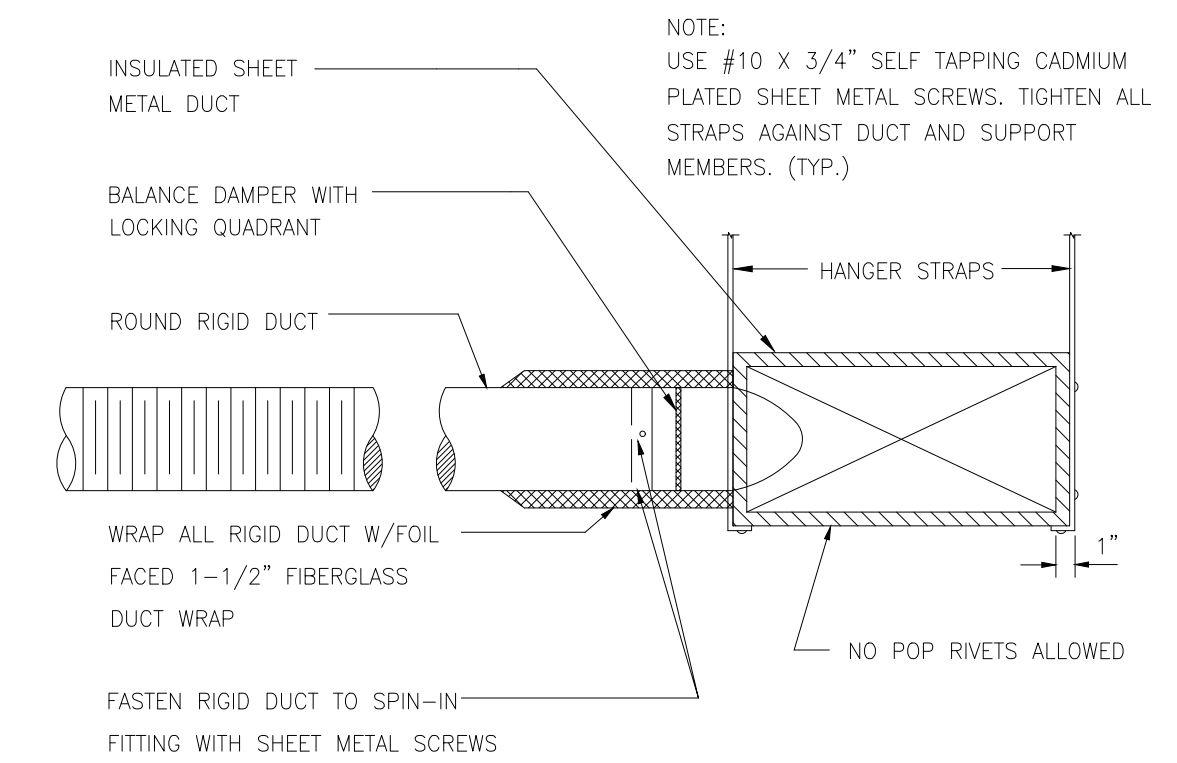
DUCT TRANSITION DETAIL

SCALE: N.T.S



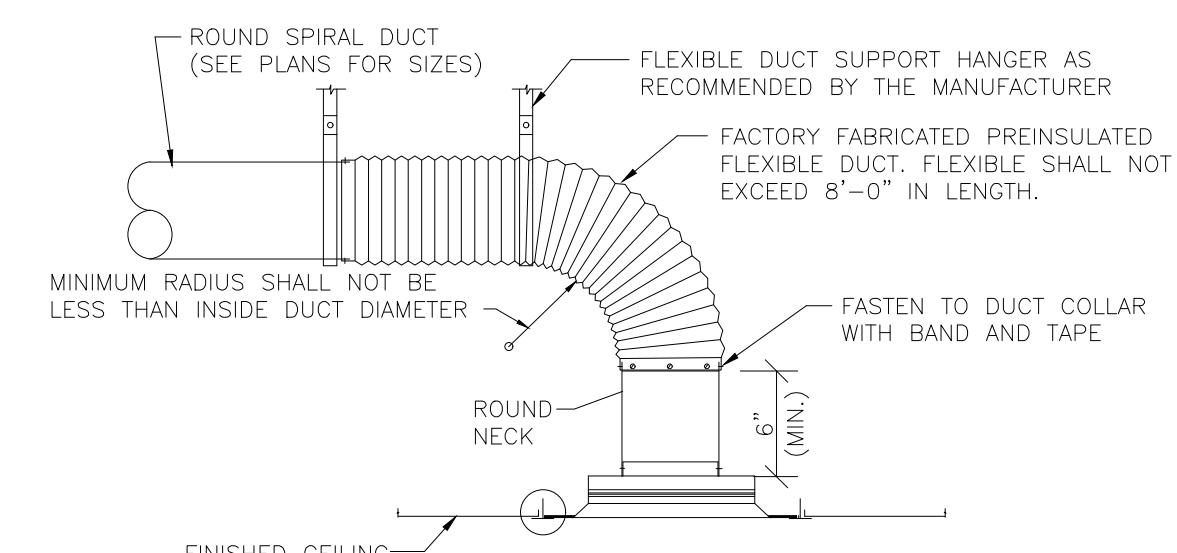
INSULATED FLEXIBLE DUCTWORK DETAIL

SCALE: N.T.S



FLEX DUCT WITH SPIN IN FITTING

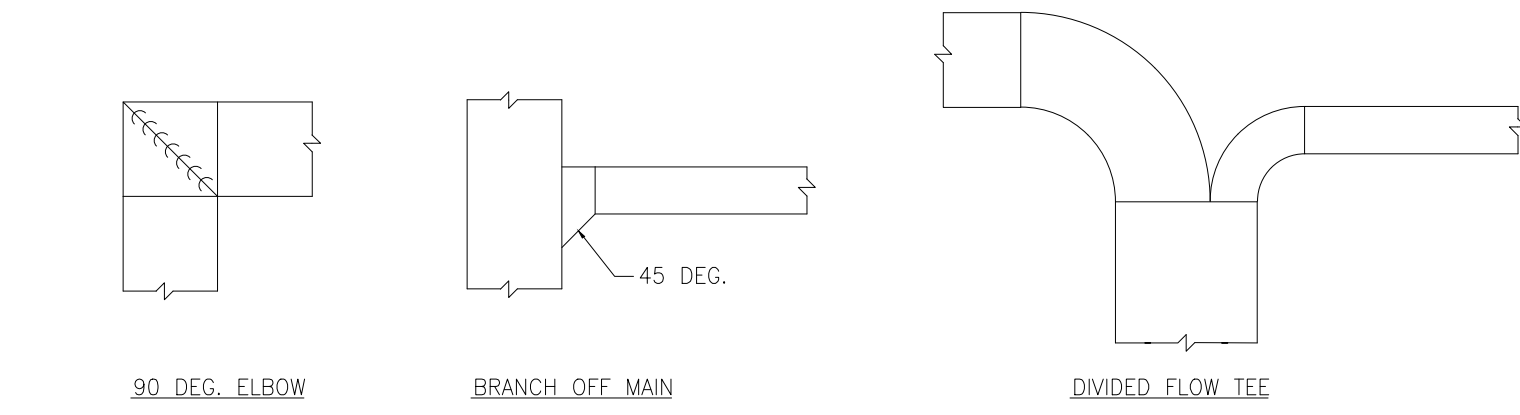
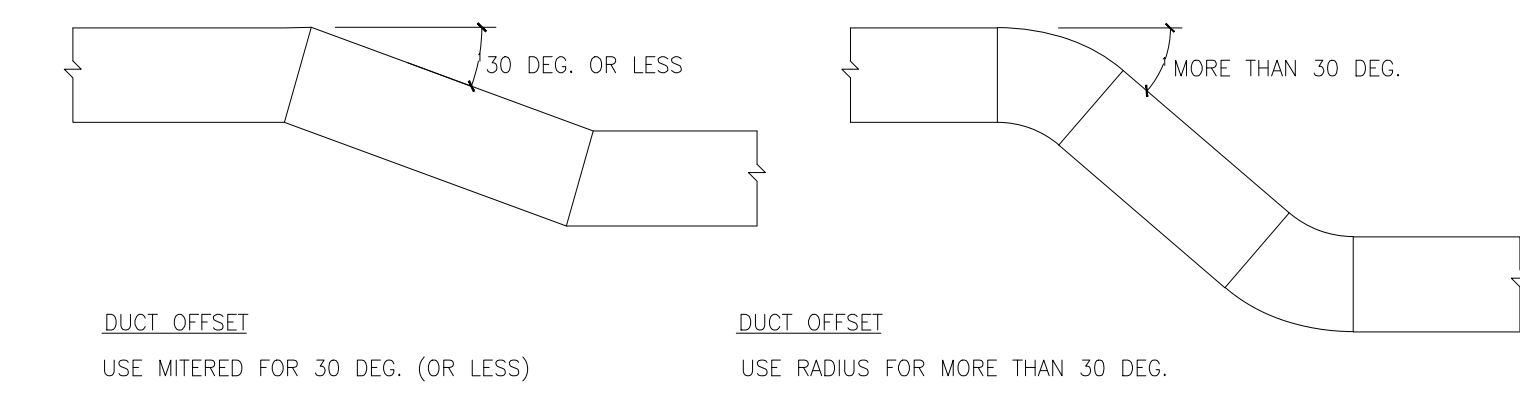
SCALE: N.T.S



- NOTES:
1. CEILING DIFFUSERS SHALL BE SQUARE FACE, ROUND NECK TYPE, PER SCHEDULE.
 2. ADJUSTMENT OF DIFFUSER SHALL BE MADE IN BRANCH DUCT TAKE-OFF AT VOLUME DAMPER.
 3. PROVIDE LAY-IN TYPE DIFFUSER FRAME FOR INVERTED T-BAR CEILING SYSTEMS.
 4. PRE-INSULATED FLEXIBLE DUCT SHALL BE Banded AND TAPED TO DUCT COLLAR AND DIFFUSER COLLAR. PROVIDE BEAD ON METAL COLLAR IF DUCT EXCEEDS 12\"/>
 - 5. FLEXIBLE DUCT (6'-0" MAX. LENGTH) SHALL BE USED FOR ALL CEILING DIFFUSERS

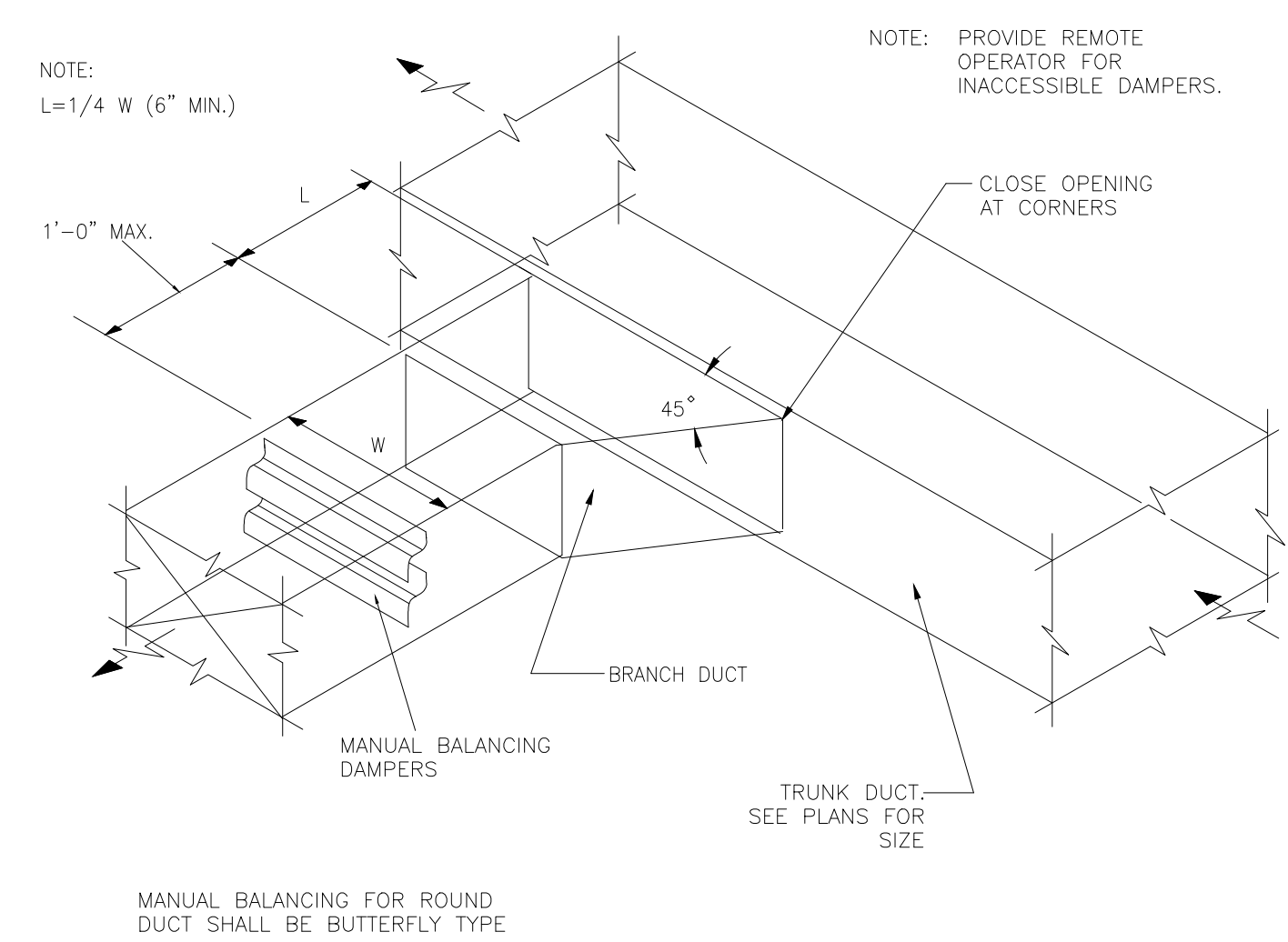
CEILING DIFFUSER

SCALE: N.T.S



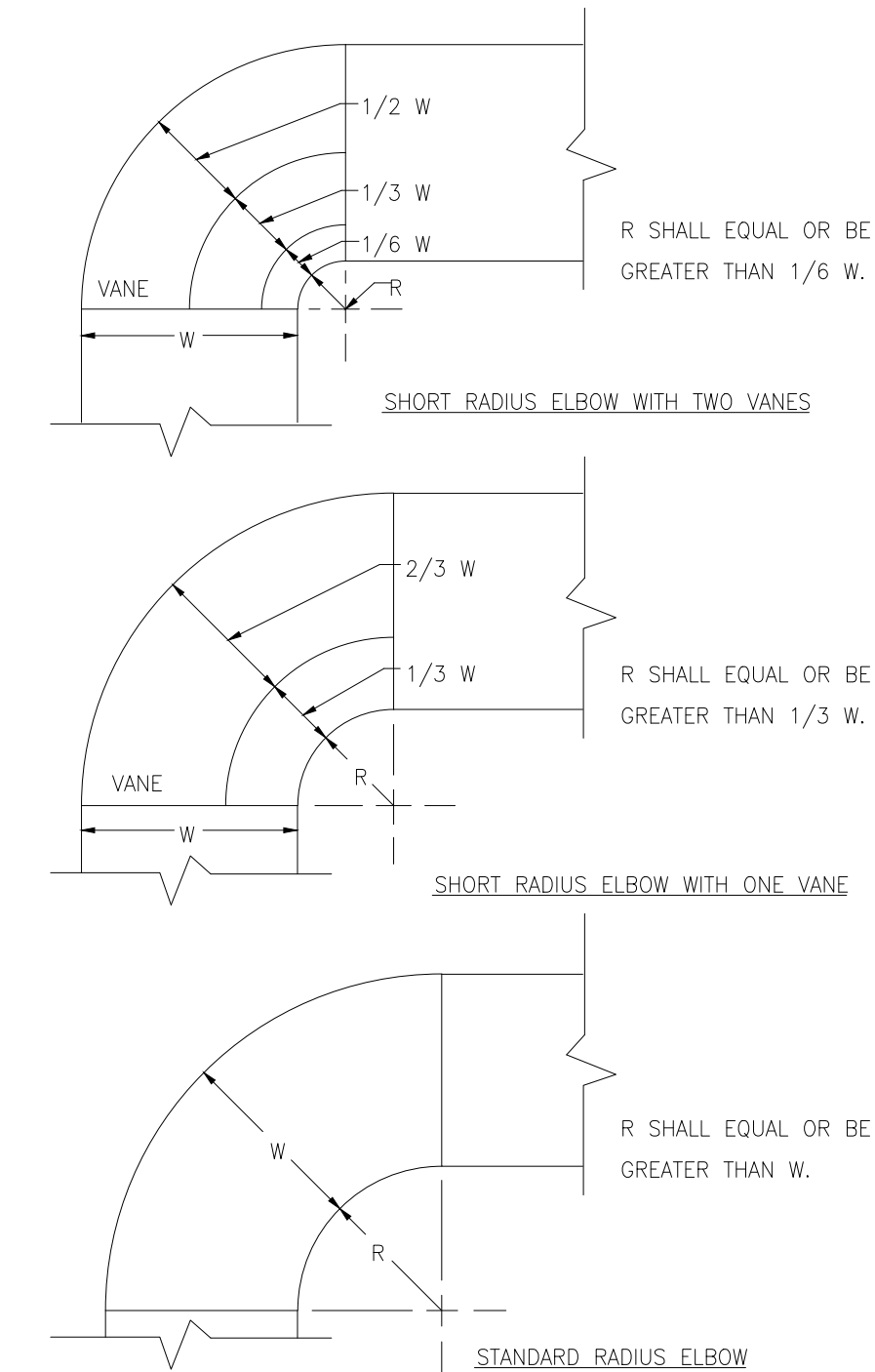
SHEET METAL FITTINGS (LOW VELOCITY) DETAILS

SCALE: N.T.S



BRANCH DUCT TAKE-OFF DETAIL

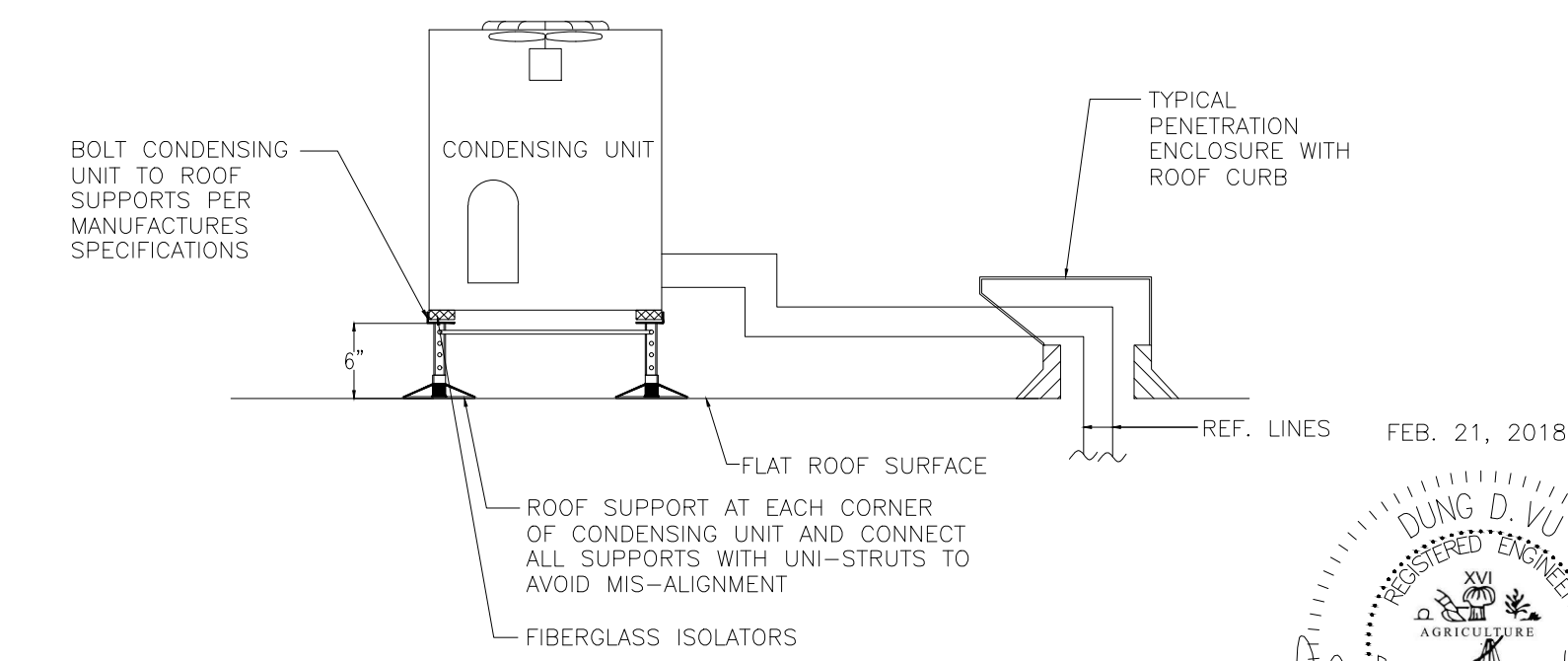
SCALE: N.T.S



RADIUS ELBOWS

SCALE: N.T.S

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.



ROOF MOUNTED CONDENSER DETAIL

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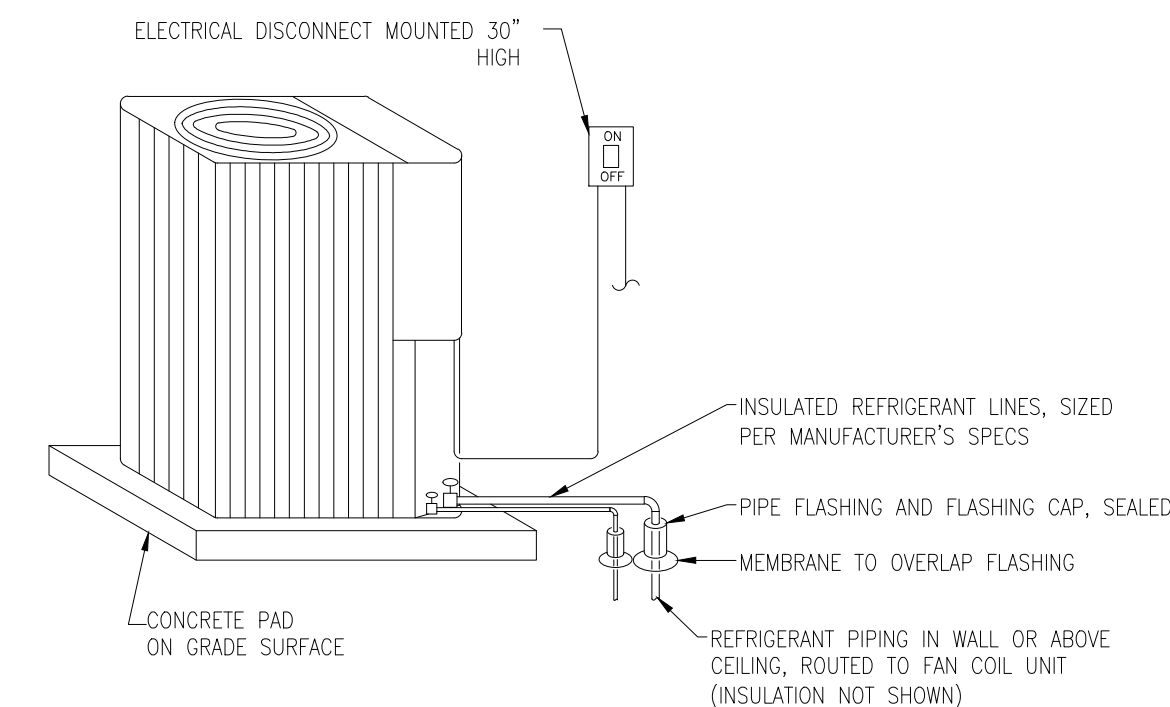
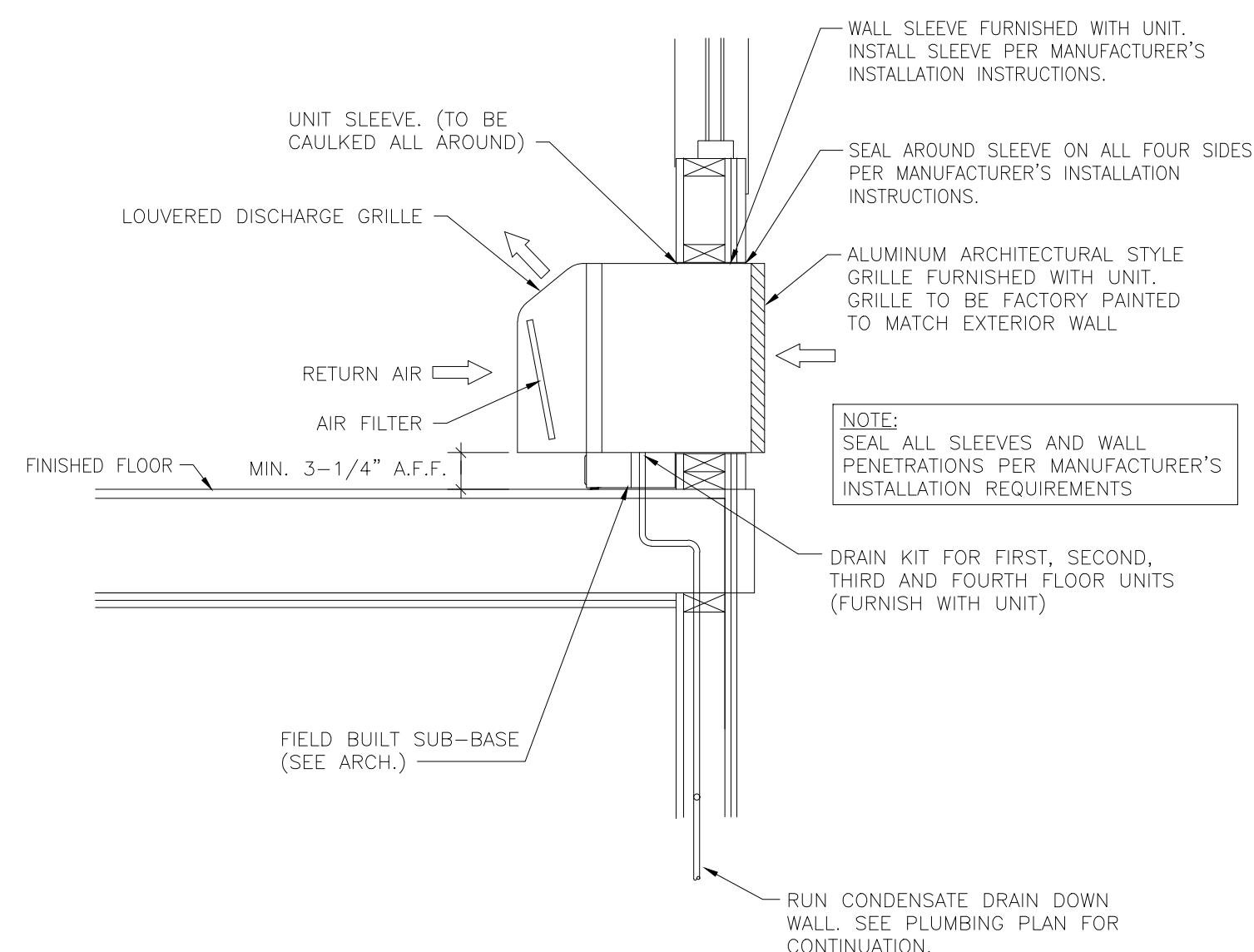
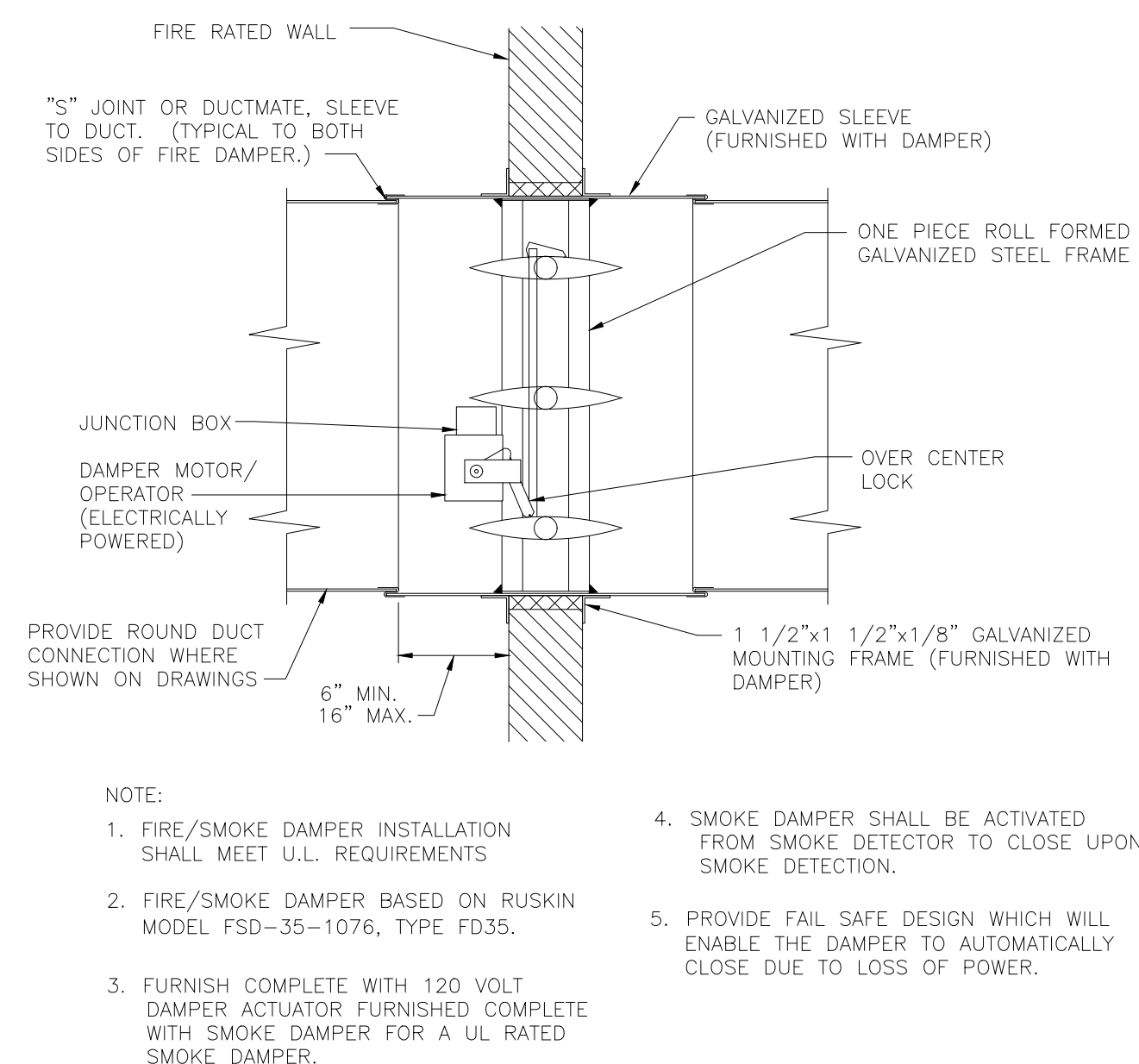
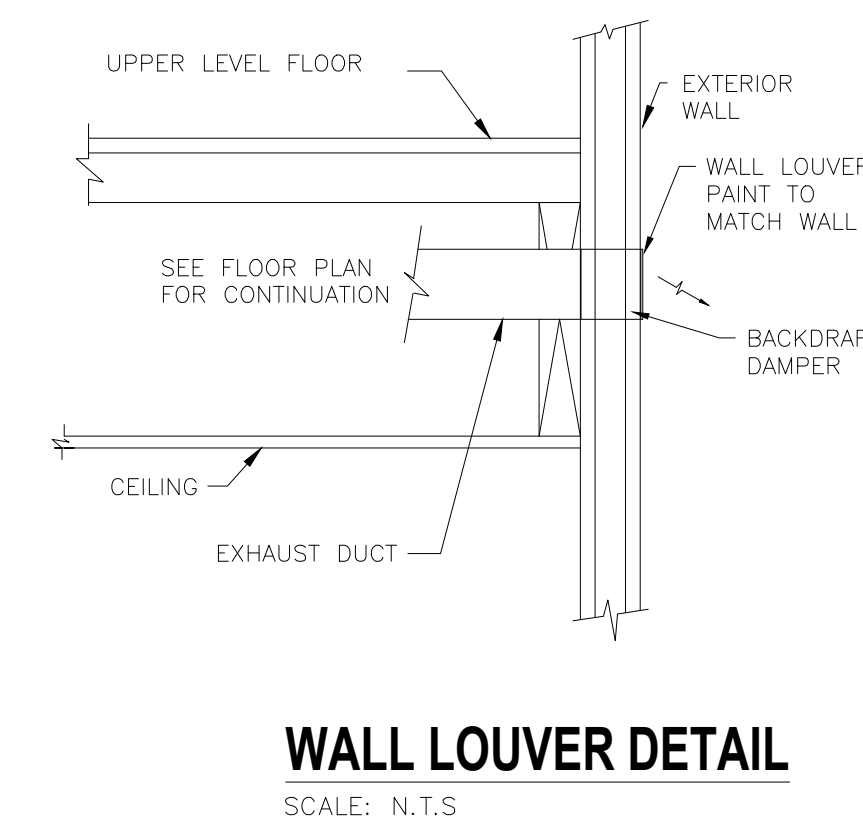
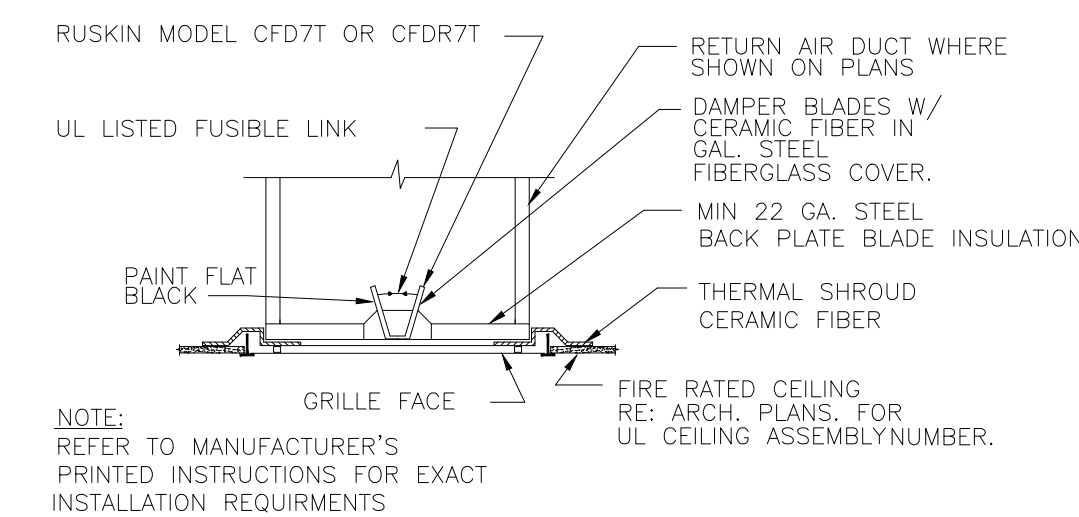
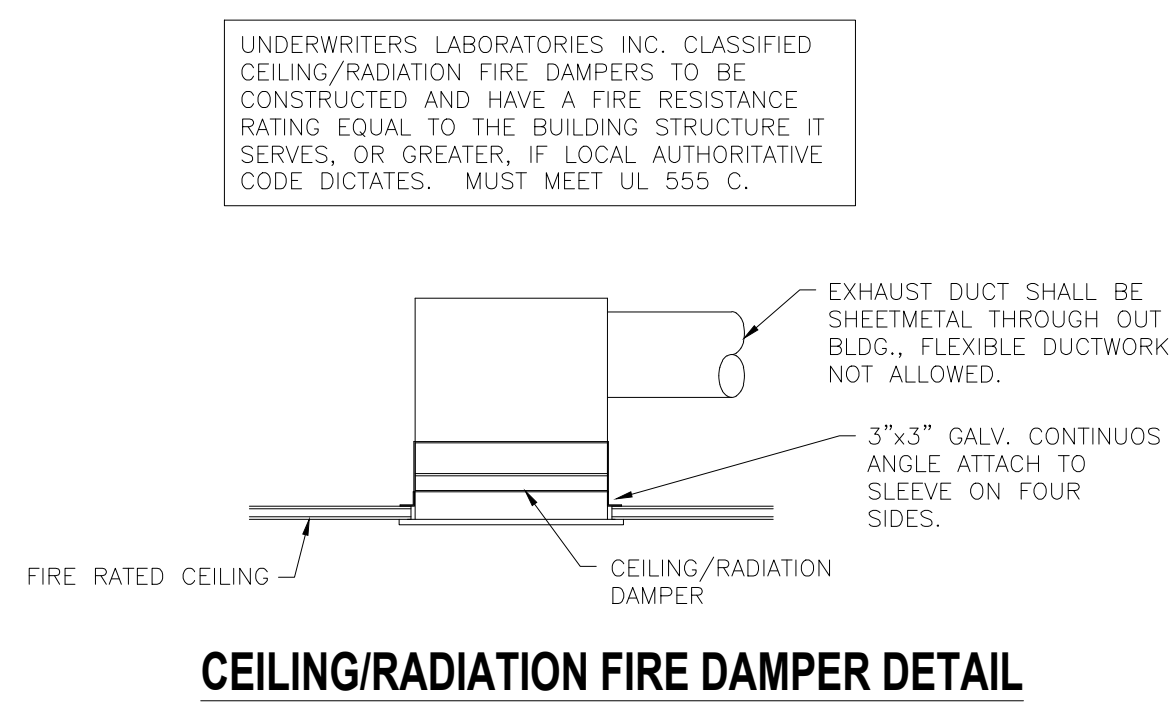
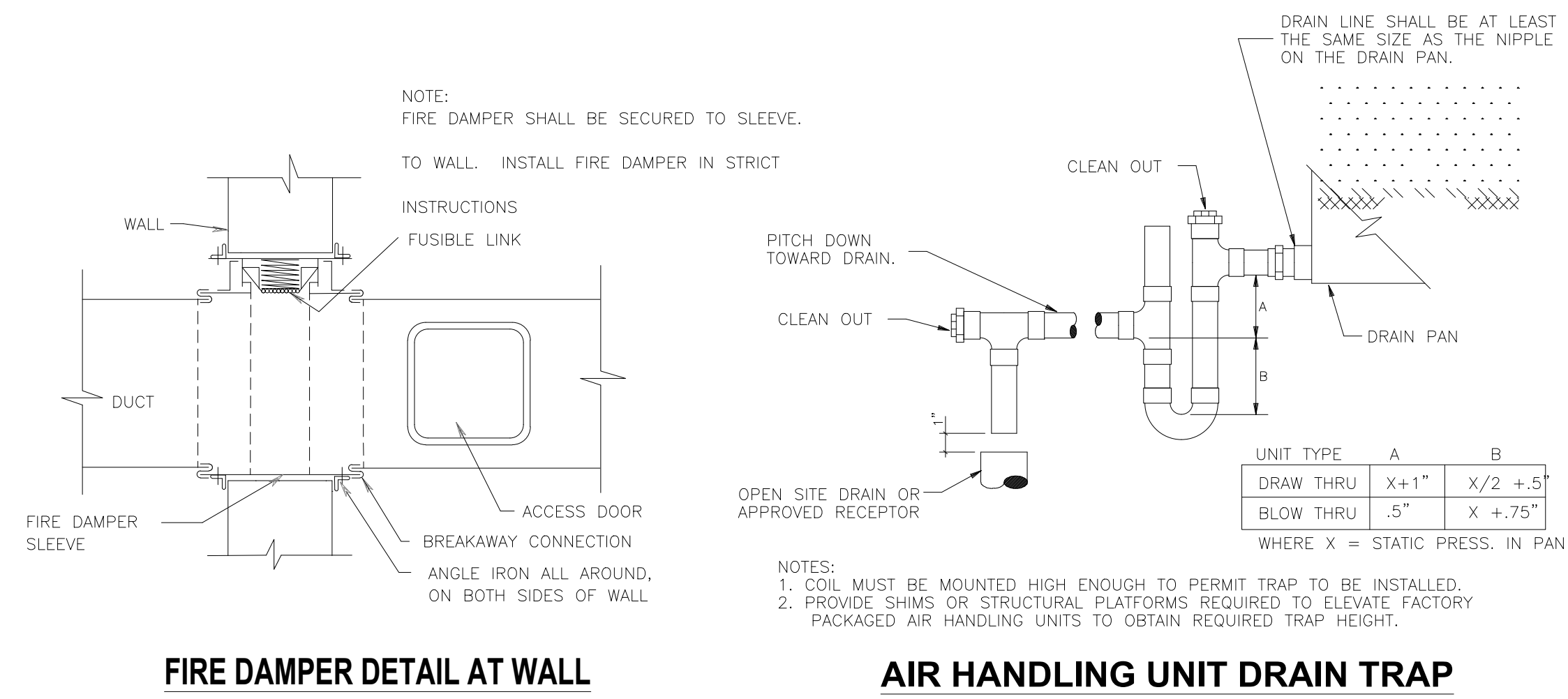
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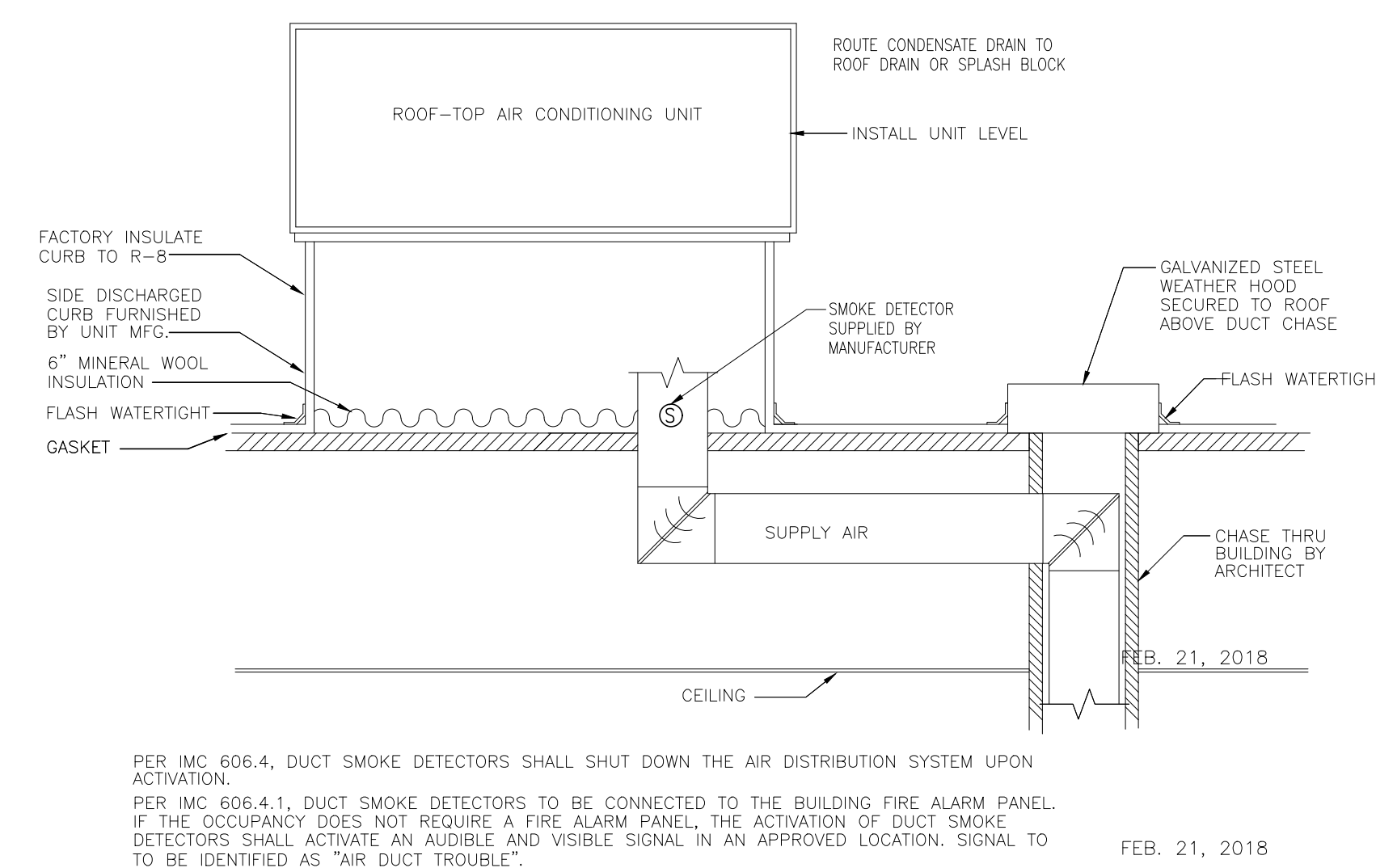
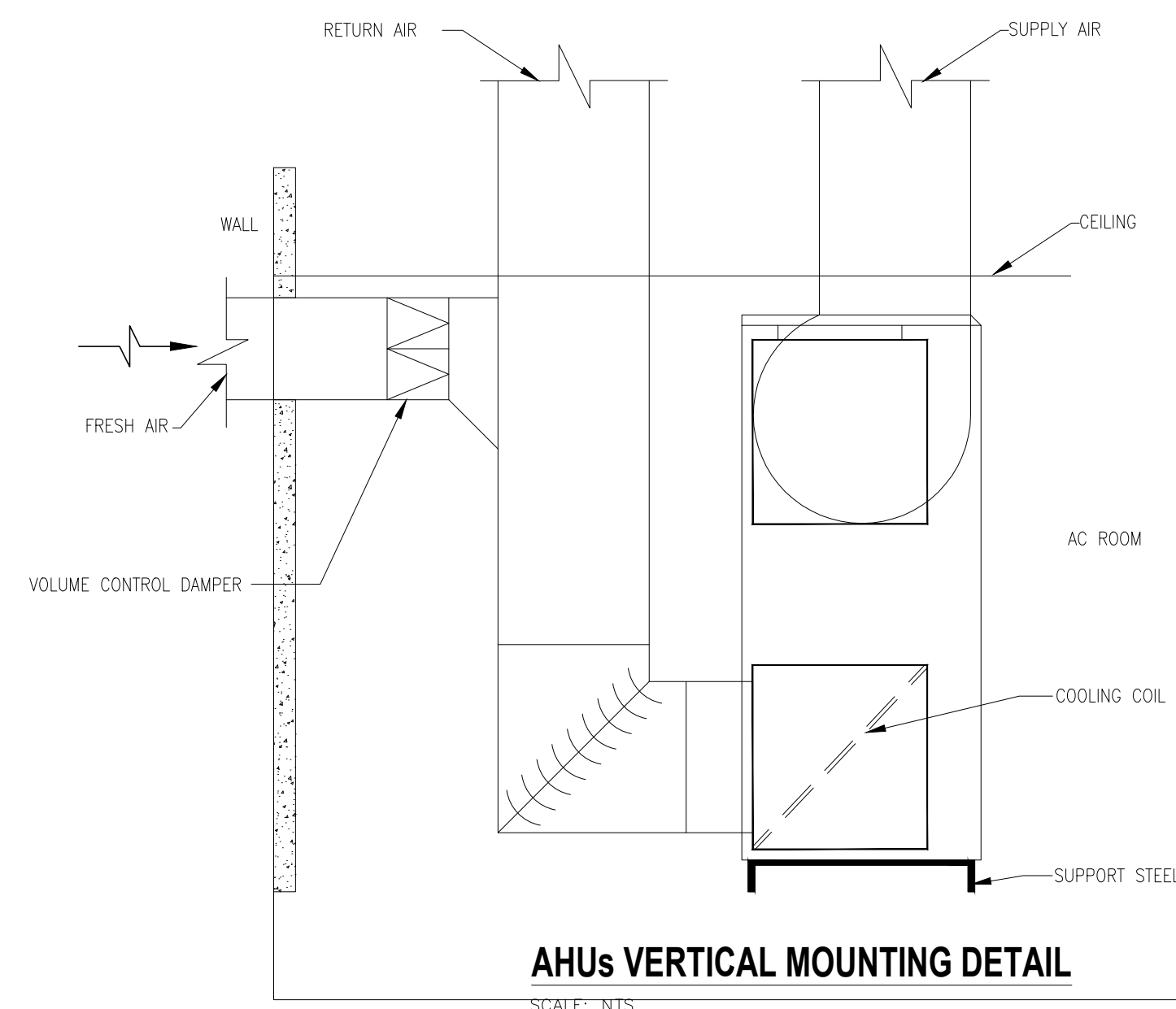
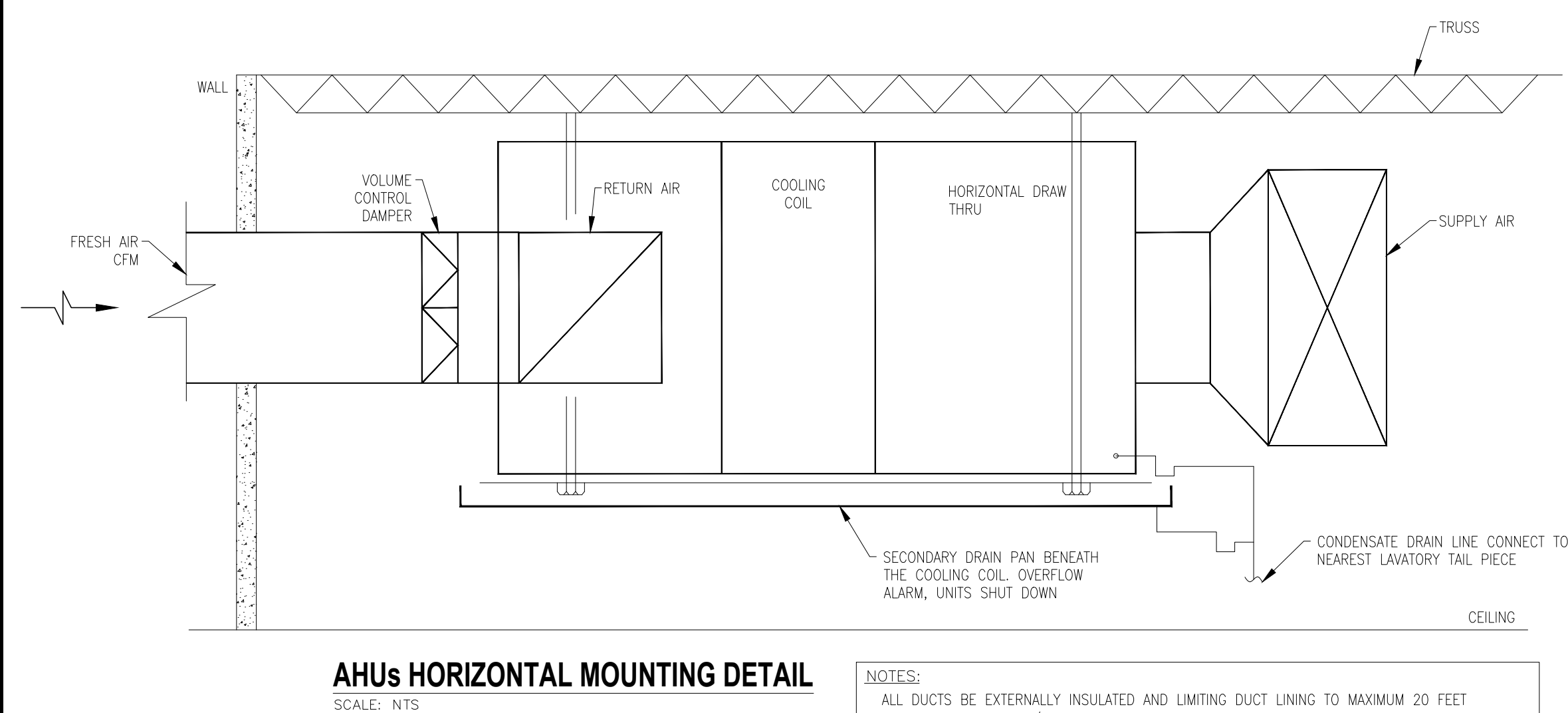
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MECHANICAL
DETAILS

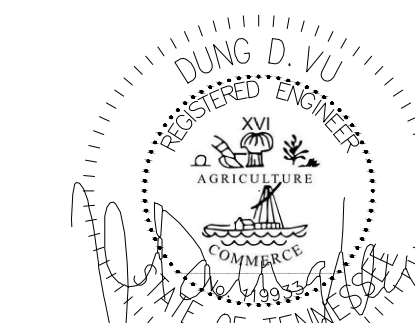
SHEET M3.0



NOTE:
6-7 1/2 TONS CONDENSING UNIT
- MINIMUM CLEARANCE FOR PROPER OPERATION IS 36" FROM WALLS, SHRUBBERY, PRIVACY FENCES ETC. MINIMUM CLEARANCE BETWEEN ADJACENT UNITS IS 72". RECOMMENDED SERVICE CLEARANCE 48"
- TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 100" MINIMUM. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT
1 1/2-5 TONS CONDENSING UNIT
- THREE (3) FEET CLEARANCE MUST BE PROVIDED IN FRONT OF THE CONTROL BOX (ACCESS PANELS) AND ANY OTHER SIDE REQUIRING SERVICE.
- POSITION THE OUTDOOR UNIT A MINIMUM OF 12" FROM ANY WALL OR SURROUNDING SHRUBBERY TO ENSURE ADEQUATE AIRFLOW.
- TOP DISCHARGE AREA SHOULD BE UNRESTRICTED FOR 100" MINIMUM. UNIT SHOULD BE PLACED SO ROOF RUN-OFF WATER DOES NOT POUR DIRECTLY ON UNIT



ROOFTOP UNIT DETAIL
NO SCALE



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ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006

DATE: 2-21-2018

DRAWN BY: PL

CHKD. BY: DV

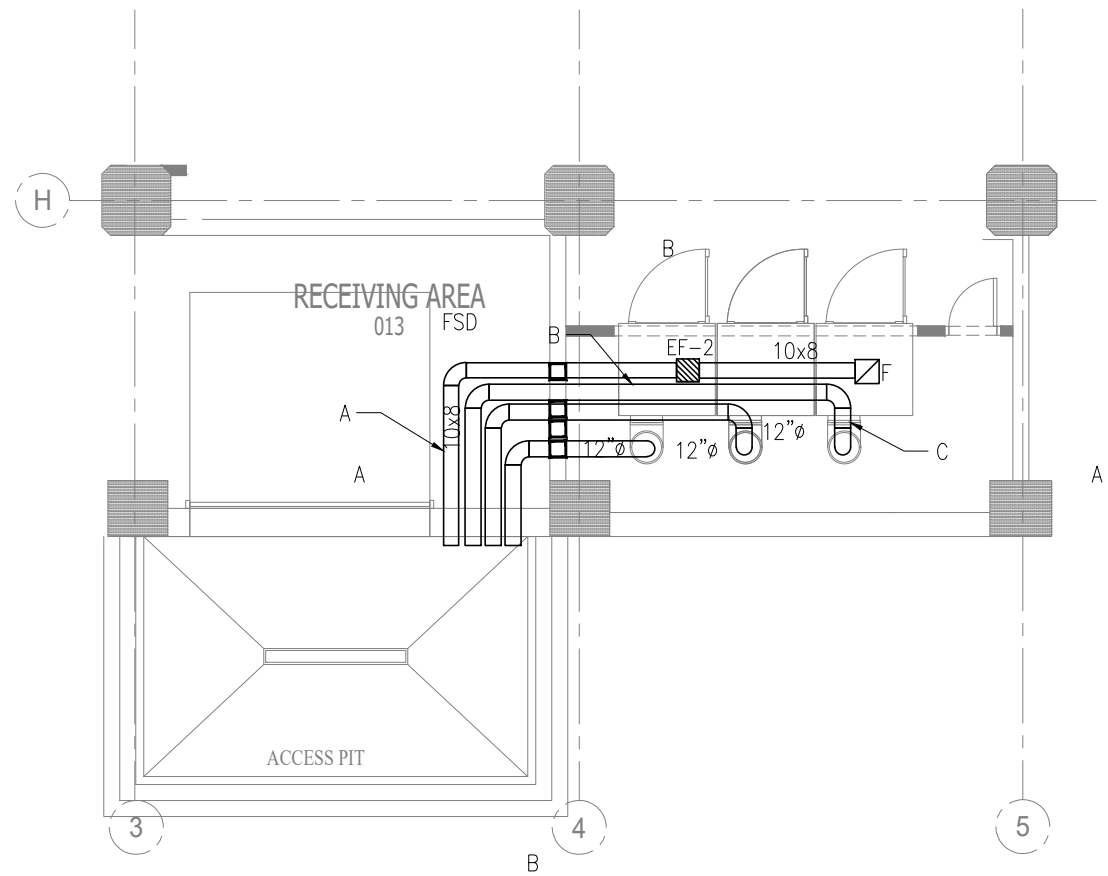
MECHANICAL
DETAILS

SHEET M3.1

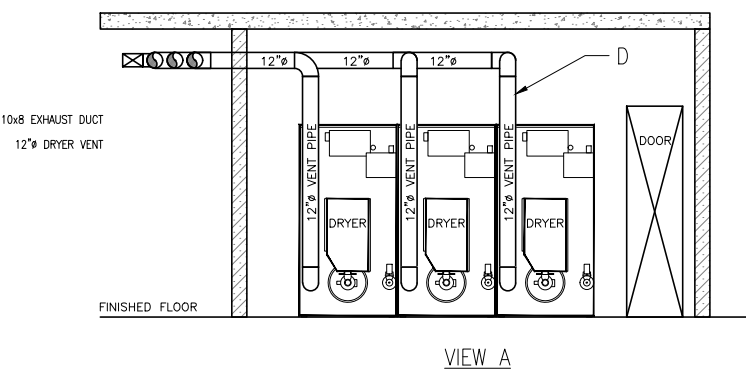
DRYER VENT LENGTH CALCULATION

TOTAL EQUIVALENT LENGTH OF 12" VENT ALLOWED IS:
INCREASED BY 40% OF 8" VENT = 20'4" + 14' + (2) 90° ELBOWS = 112.6" (SEE CLOUD "A" ON M3.2)

TOTAL EQUIVALENT LENGTH OF 12" VENT PROVIDED IS:
A+B+C+D+(4) 90° ELBOWS = 5'-8.5" + 14'-1" + 10' + 7'-11.5" + 4*14" = 84'-7" < 112.6" (SEE CLOUD "A" ON M3.2)



NOTE:
1. A B C D - SEE LENGTH ON DRYER ROOM DETAILS
2. SCREENS AND RIVETS ON DRYER DUCTING IS NOT ALLOWED

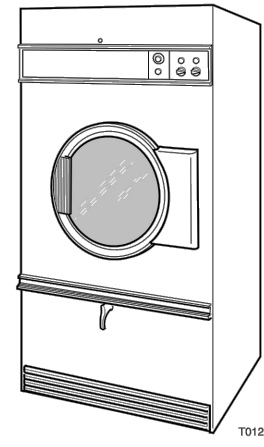


DRYER ROOM DETAILS

SCALE: NTS

Drying Tumblers

50 Pound Capacity
75 Pound Capacity



Installation



www.comlaundry.com

Part No. 70256801R1 August 2007

Specifications and Dimensions

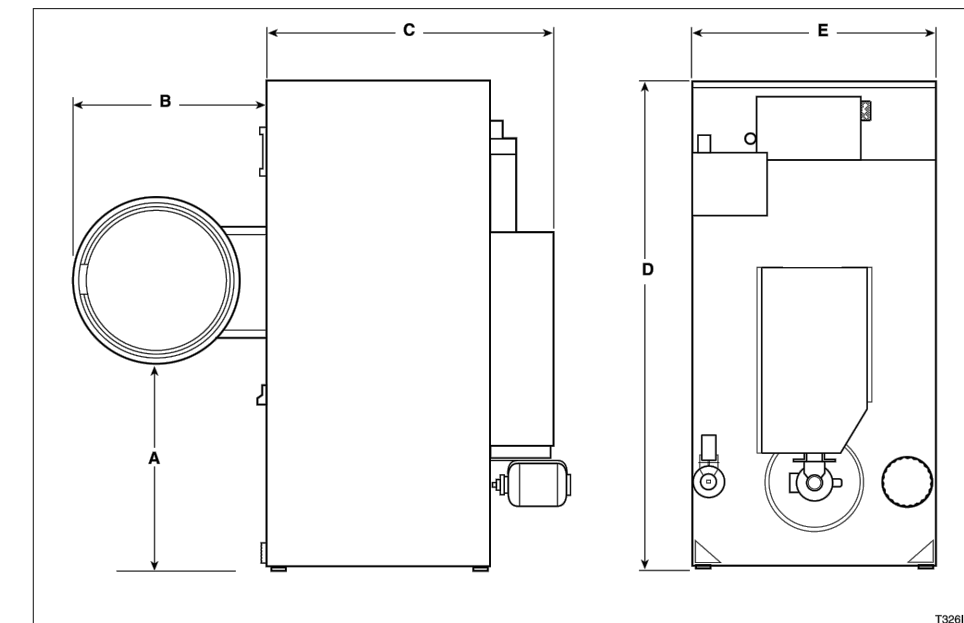
Specifications	50 Pound	75 Pound	634
Net Weight: Pounds (kg)	545 (247)	615 (279)	710 (322)
Cylinder Size: Inches (mm)	37 x 30 (940 x 762)	37 x 36 (940 x 914)	37 x 36 (940 x 914)
Cylinder Capacity (Dry Weight): Pounds (kg)	50 (22.7)	75 (34)	75 (34)
Air Outlet Diameter: Inches (mm)	8 (203)	8 (203)	10 (254)
Maximum Static Back Pressure: W.C.I. (mbar)	0.5 (1.3)	0.5 (1.3)	0.5 (1.3)
Maximum Airflow: C.F.M. (l/sec.)	All Models Except EG 750 (354)	750 (354) CG: 920 (434)	1000 (518)
EG Models	390 (184)	500 (236)	Not Applicable
Gas Models			
Gas Connection	1/2 in. NPT	1/2 in. NPT	3/4 in. NPT
Gas Consumption: Btu/hr (Mj/hr)	CG Models 120,000 (126.6) EG Models 95,000 (100.2)	165,000 (174.1) 140,000 (147.7)	215,000 (227)
Electric Models			
Heating Elements: Watts	21,000 (240 V/50 Hertz) 30,000 (other voltages)	30,000	Not Applicable
Steam Models			
Steam Connection	3/4 in. NPT	3/4 in. NPT	Not Applicable
Steam Consumption: Boiler Horsepower (BHP)	6 coil (SH Models) 4.6 (154,000) 4 coil (SL Models) 3.0 (100,400)	4.6 (154,000) 4.0 (133,900)	Not Applicable
Motor Horsepower			
50 Pound 75 Pound 634			
Nonreversing	1/2	3/4	Not Applicable
Reversing	Fan 1/3 Cylinder 1/3	1/3 1/3	1 1/3

70256801

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Specifications and Dimensions

Cabinet Dimensions



Models	A	B	C	D	E
50CG	30.75 in. (781 mm)	28.25 in. (717 mm)	47 in. (1194 mm)	76.625 in. (1946 mm)	38.625 in. (981 mm)
50EG					
50CE					
50CSH	30.75 in. (781 mm)	28.25 in. (717 mm)	47 in. (1194 mm)	80 in. (2032 mm)	38.625 in. (981 mm)
50CSL					
75CG	30.75 in. (781 mm)	28.25 in. (717 mm)	53 in. (1346 mm)	76.625 in. (1946 mm)	38.625 in. (981 mm)
75EG					
75CE					
75CSH	30.75 in. (781 mm)	28.25 in. (717 mm)	53 in. (1346 mm)	80 in. (2032 mm)	38.625 in. (981 mm)
75CSL					
DTB634	30.75 in. (781 mm)	28.25 in. (717 mm)	53 in. (1346 mm)	76.625 in. (1946 mm)	38.625 in. (981 mm)
STB634					

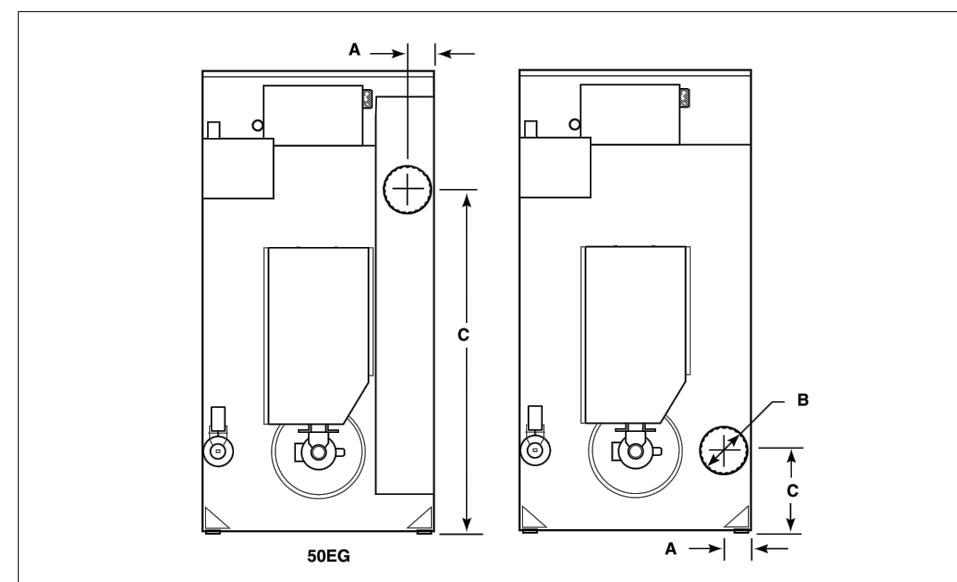
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Specifications and Dimensions

Exhaust Outlet Locations



Models	A	B	C
50CG	5.375 in. (137 mm)	8 in. (203 mm)	13.375 in. (340 mm)
50CE			
50CSL			
50CSH			
75CG	5.375 in. (137 mm)	8 in. (203 mm)	13.375 in. (340 mm)
75CE			
75CSH			
75CSL			
DTB634	6.5 in. (165 mm)	10 in. (254 mm)	6.5 in. (165 mm)
STB634			
75EG	5.625 in. (143 mm)	8 in. (203 mm)	5 in. (127 mm)
75CE			
50EG	5.625 in. (143 mm)	8 in. (203 mm)	

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Exhaust Requirements

WARNING
A drying tumbler produces combustible lint. To reduce the risk of fire, the tumbler must be exhausted to the outdoors.
To reduce the risk of fire and accumulation of combustible gases, DO NOT exhaust tumbler air into a window well, gas vent, chimney or enclosed, unventilated area such as an attic wall, ceiling, crawl space under a building, or concealed space of a building.

LAYOUT

Whenever possible, install tumblers along an outside wall where duct length can be kept to a minimum, and make-up air can be easily accessed. Construction must not block the airflow at the rear of the tumbler. Doing so would prevent adequate air supply to the tumbler combustion chamber.

Make-Up Air

A tumbler is forced air exhausted and requires provisions for make-up air to replace air exhausted by tumbler. Refer to Table 6.
IMPORTANT: Do not obstruct flow of combustion and ventilation air.

Model	Opening
50 Pound	144 in ² (928 cm ²)
75 Pound	195 in ² (1258 cm ²)
634	250 in ² (1613 cm ²)

Table 6

Make-up air openings with louvers will restrict airflow. The opening must be increased to compensate for area taken up by louvers.

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Exhaust Requirements

Individual Venting

For maximum efficiency and performance, it is preferred to exhaust tumbler(s) individually to the outdoors.
IMPORTANT: At no point may the cross sectional area of installed venting be less than the cross sectional area of the exhaust outlet of the tumbler.

The exhaust duct must be designed so the static back pressure measured 12 inches (305 mm) from the exhaust outlet does not exceed the maximum allowable pressure specified on the installation sticker on the rear of the tumbler. Static back pressure must be measured with the tumbler running (both pockets on stacked models).

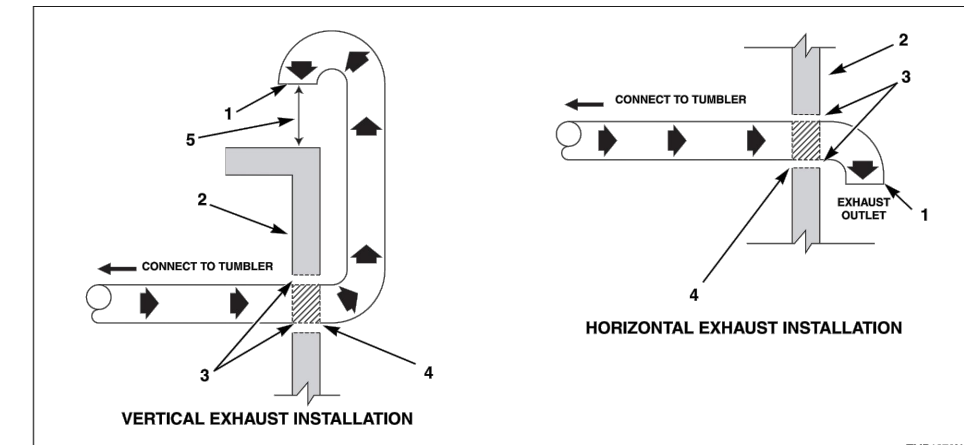
The maximum allowable length of venting of the same diameter as the exhaust diameter is 14 feet (4.3 m) and two 90° elbows or equivalent. If the equivalent length of a duct required for an installation exceeds the maximum allowable equivalent length, the diameter of a round duct must be increased by 10% for each additional 20 feet (6.1 meters). Cross section area of a rectangular duct must be increased by 20% for each additional 20 feet (6.1 meters). Refer to Table 7 to determine equivalent venting.

Duct Diameter	Equivalent Length of Straight Duct
8 in. (203 mm)	One 90° elbow = 9.3 ft. (2.83 m) 10 in. (254.0 mm)
10 in. (254.0 mm)	One 90° elbow = 11.6 ft. (3.5 m)
12 in. (304.8 mm)	One 90° elbow = 14 ft. (4.3 m)
14 in. (355.6 mm)	One 90° elbow = 16 ft. (4.9 m)
16 in. (406.4 mm)	One 90° elbow = 18 ft. (5.7 m)
18 in. (457.2 mm)	One 90° elbow = 21 ft. (6.4 m)

Table 7

Equivalent Length (feet) = 1.17 x Duct Diameter (inches)
Example: A 12 inch diameter duct's equivalent length of 14 feet of duct and two 90° elbows is:
Equivalent Length = 14 ft. + (2) 90° elbows = 14 ft. + 14 ft. = 42 ft. (12.8 m)

With the tumbler in operation, airflow at any point in the duct should be at least 1200 feet per minute (366 meters per minute) to ensure that lint remains airborne. If 1200 feet per minute cannot be maintained, schedule a regular inspection and cleaning of the ductwork.



Consult your local building code for regulations which may also apply.
NOTE: Inside of duct shall be smooth. Do not use sheet metal screws to join sections.

- No Screen or Cap
- Wall
- Chimney per Local Code
- NOTE: Where the exhaust duct pierces a combustible wall or ceiling, the opening must be sized per local codes.
- Minimum Distance Between Opening and Roof: 30 in. (914 mm).

Figure 10

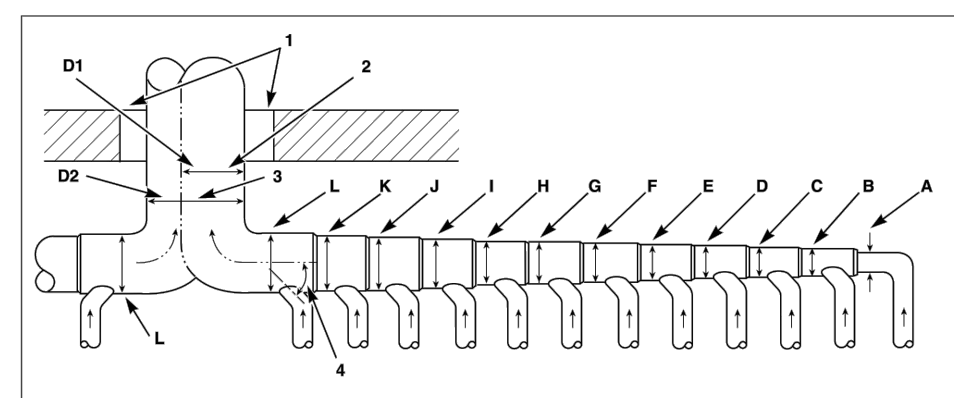
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COMMERCIAL CLOTHES DRYER'S INSTALLATION INSTRUCTIONS

Exhaust Requirements



- NOTE: Where the exhaust duct pierces a combustible wall or ceiling, the opening must be sized per local codes.
- Outlet Duct Diameter for One Battery Same as Largest Station Used
- Outlet Duct Diameter for Two Batteries
- 45° Typical

Figure 12

Duct Station	8 Inch Duct		10 Inch Duct	
	50, 75 Pound	634	D1	D2
A	10 in. (254 mm)	13 in. (330 mm)	10 in. (254 mm)	15 in. (381 mm)
B	12 in. (305 mm)	17 in. (432 mm)	15 in. (381 mm)	22 in. (559 mm)
C	15 in. (381 mm)	18 in. (457 mm)	18 in. (457 mm)	26 in. (660 mm)
D	17 in. (432 mm)	24 in. (610 mm)	21 in. (533 mm)	30 in. (762 mm)
E	19 in. (483 mm)	27 in. (686 mm)	24 in. (610 mm)	34 in. (864 mm)
F	21 in. (533 mm)	30 in. (762 mm)	26 in. (660 mm)	37 in. (940 mm)
G	23 in. (584 mm)	33 in. (838 mm)	28 in. (711 mm)	40 in. (1016 mm)
H	25 in. (635 mm)	34 in. (864 mm)	30 in. (762 mm)	43 in. (1092 mm)
I	26 in. (660 mm)	37 in. (940 mm)	32 in. (813 mm)	46 in. (1168 mm)
J	27 in. (686 mm)	39 in. (991 mm)	33 in. (838 mm)	47 in. (1194 mm)
K	29 in. (737 mm)	40 in. (1016 mm)	35 in. (889 mm)	50 in. (1270 mm)
L	30 in. (762 mm)	42 in. (1067 mm)	36 in. (914 mm)	51 in. (1295 mm)

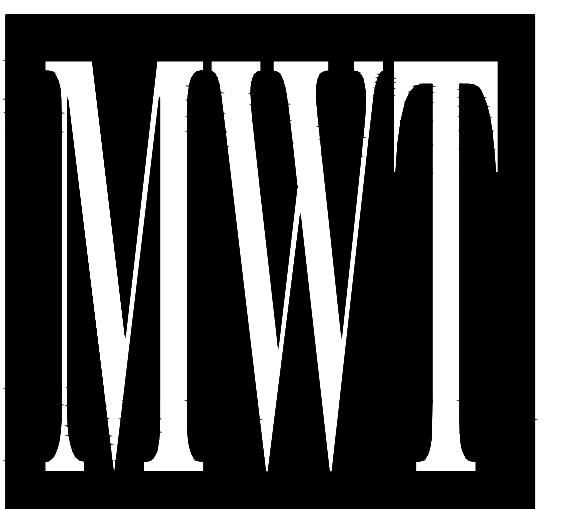
Table 8

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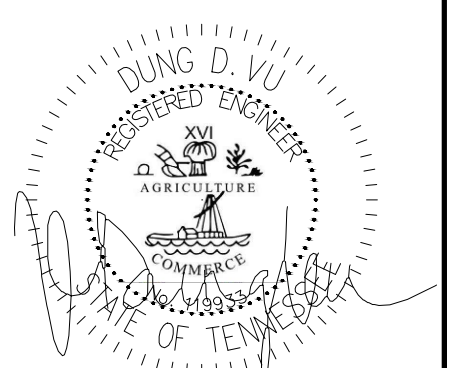
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FEB. 21, 2018



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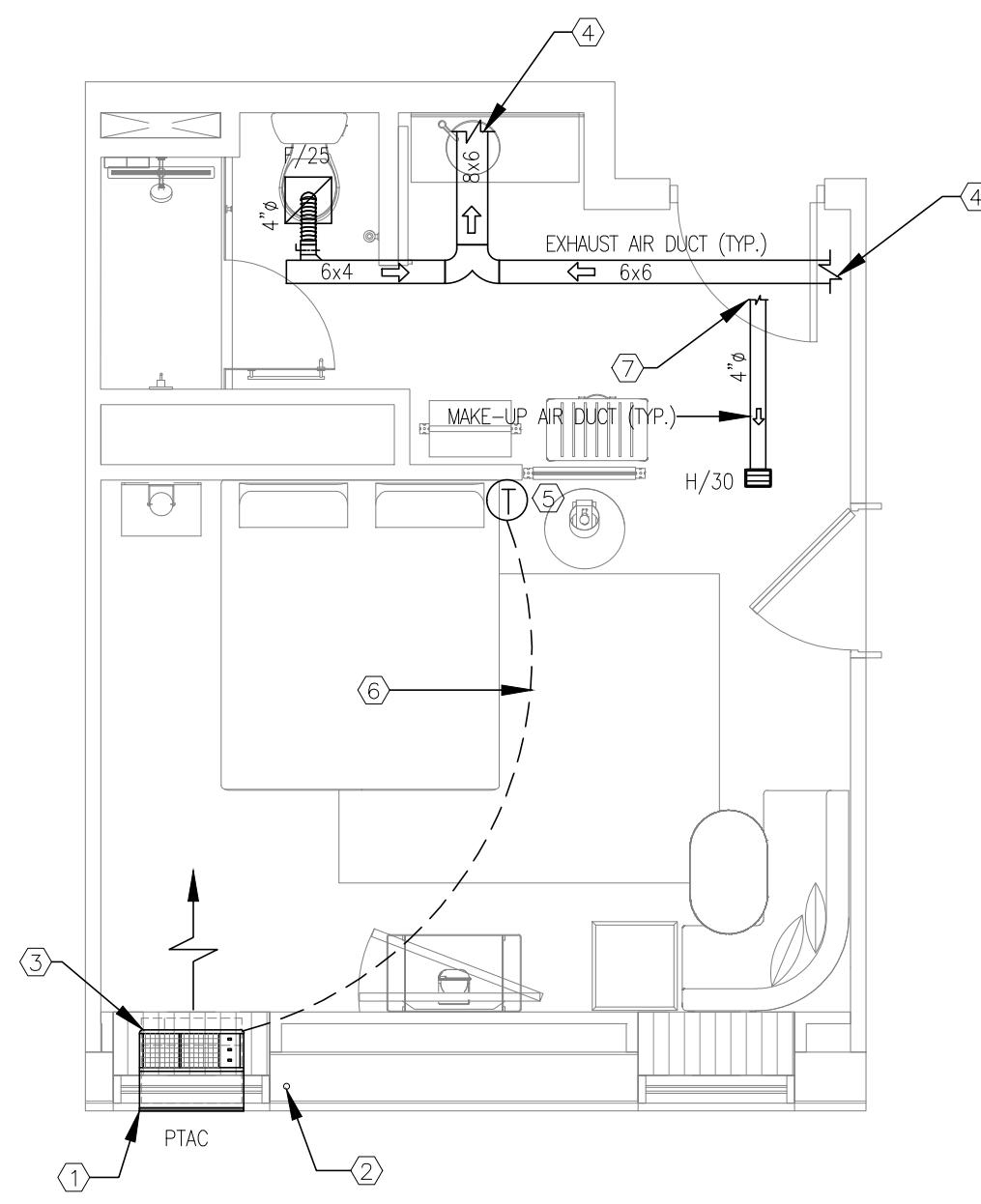
PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

MECHANICAL DETAILS

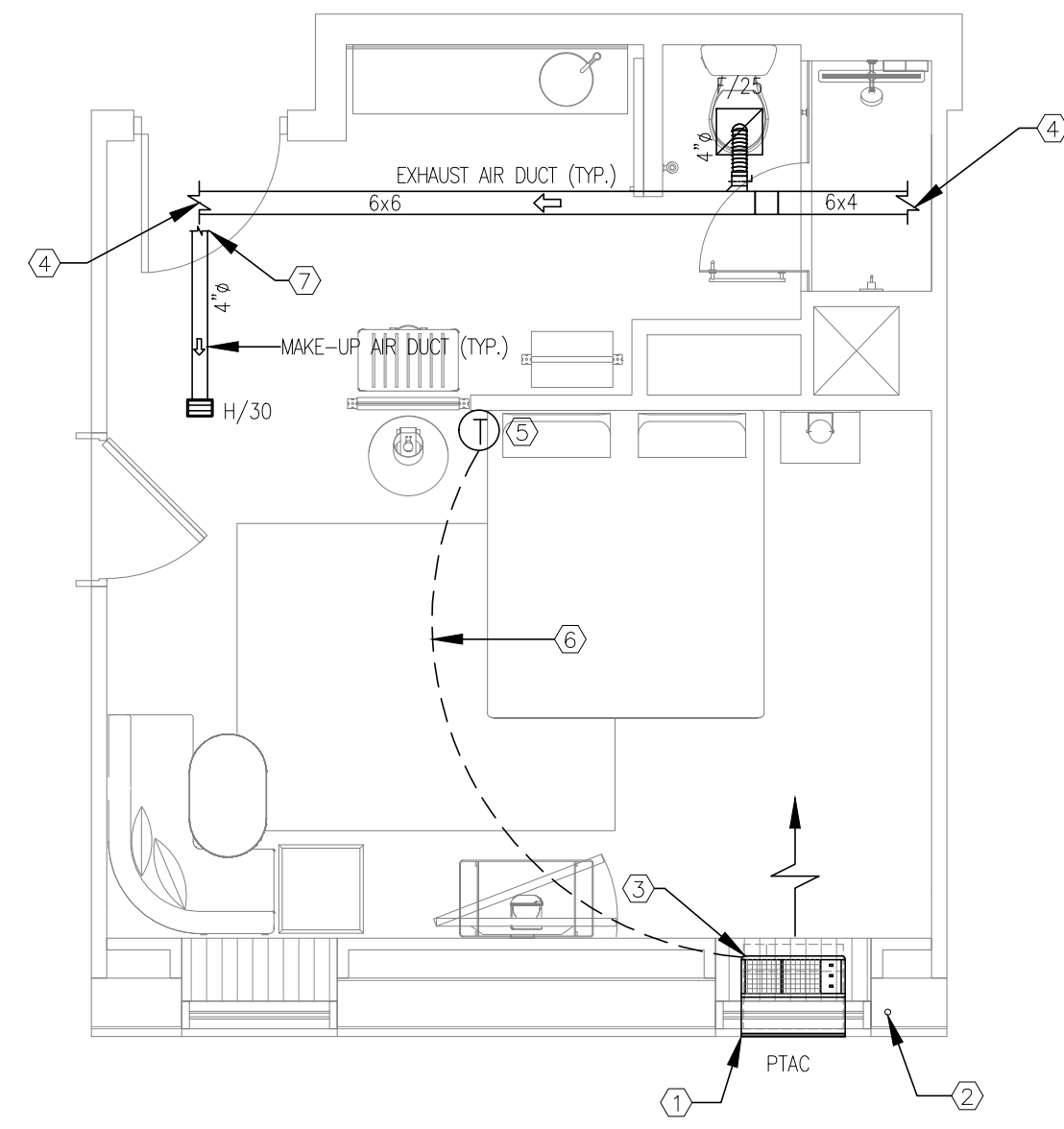
SHEET M3.2

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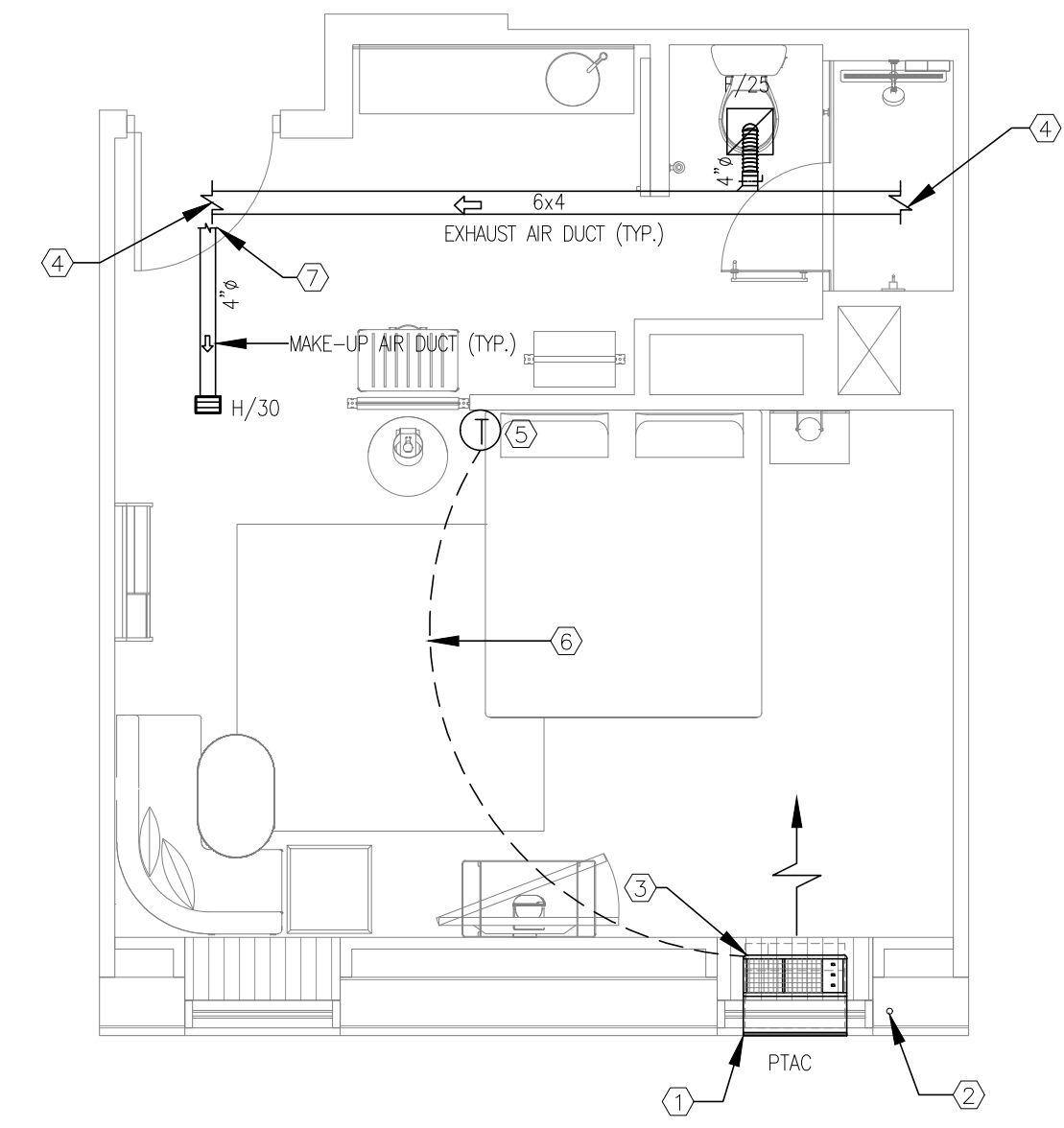
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-	ISSUED FOR FRANCHISE	03/24/18	PL
-	ISSUED FOR FRANCHISE	05/20/19	PL



1 KING #1
SCALE: 1/4"=1'-0"

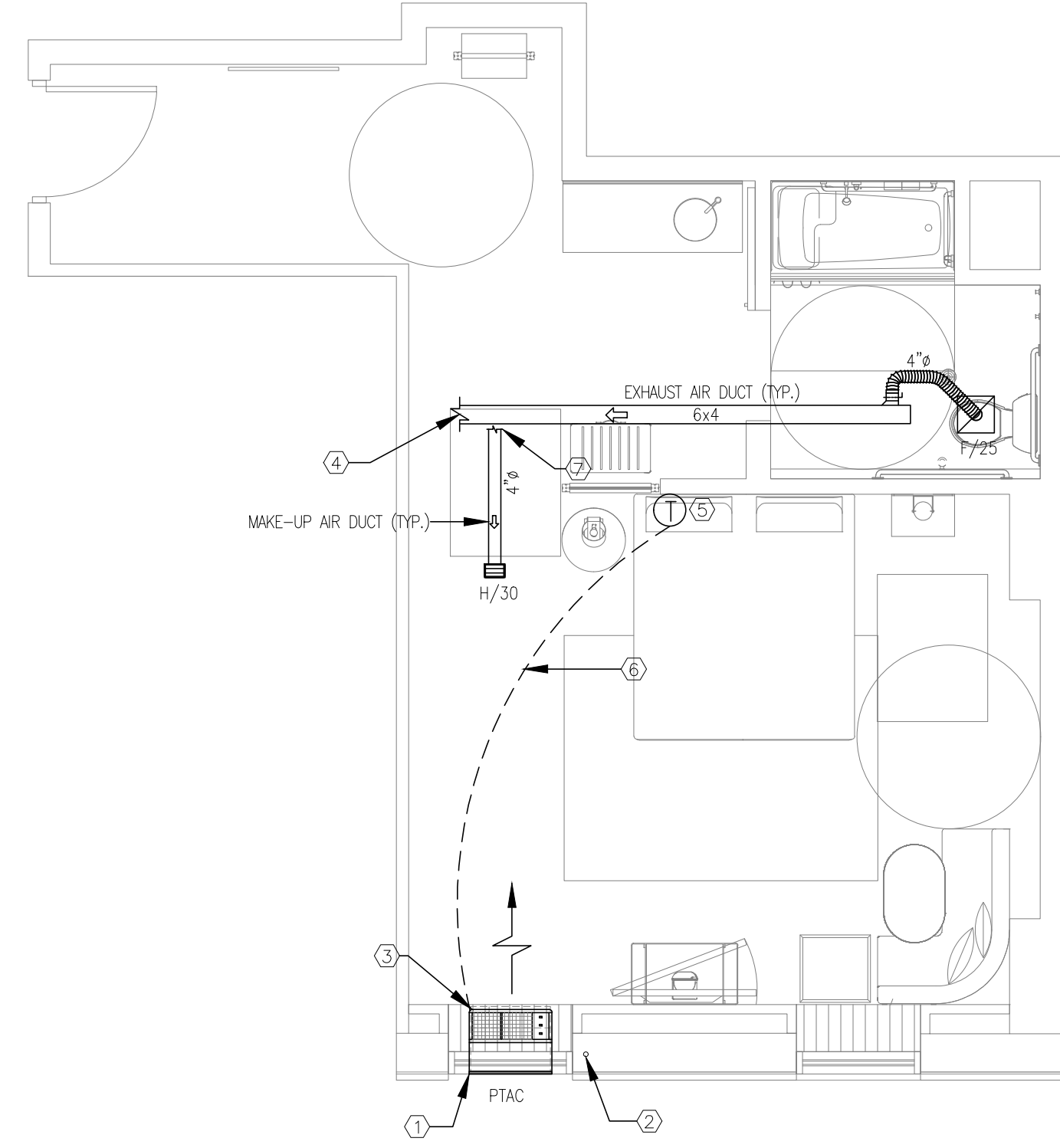


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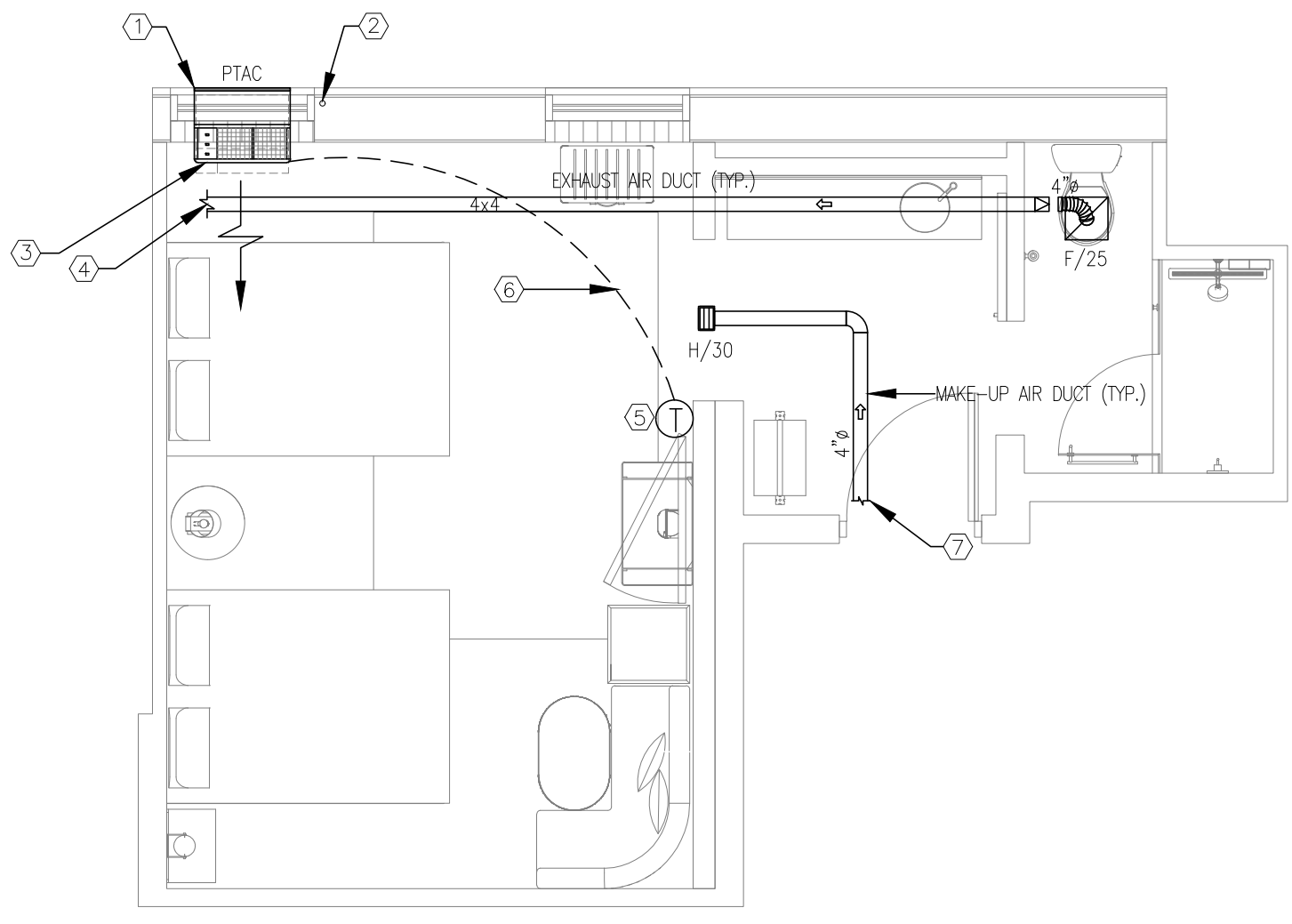


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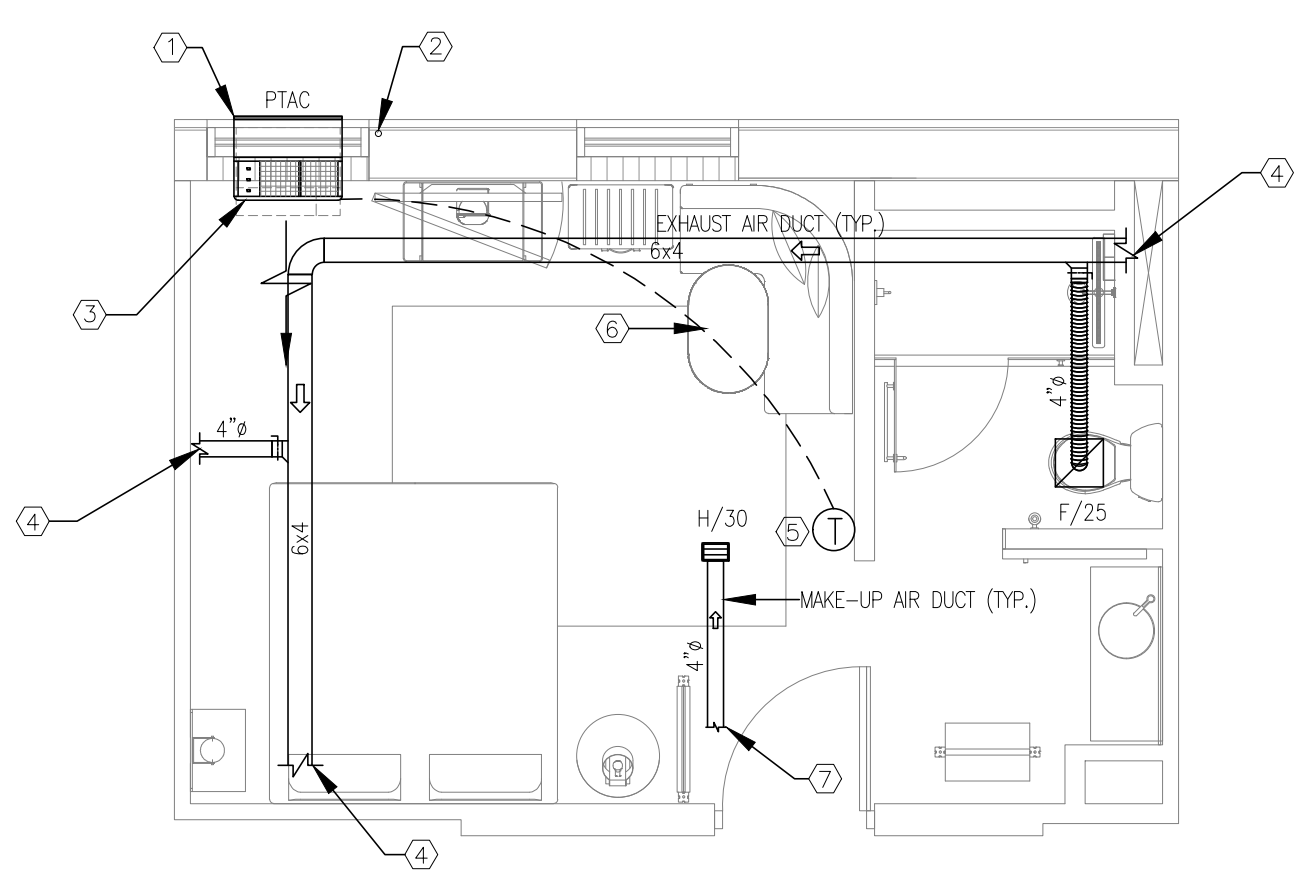
- NOTES:**
1. ARCHITECTURAL WALL GRILLE FURNISHED WITH UNIT. GRILLE PAINTED TO MATCH EXTERIOR WALL (TYPICAL FOR ALL PTAC UNITS).
 2. SEE PLUMBING DRAWINGS FOR CONDENSATE DRAIN PIPING (TYPICAL FOR ALL PTAC UNITS).
 3. PACKAGED TERMINAL A/C UNIT (PTAC). SEE DETAIL ON M3.0 FOR INSTALLATION DETAIL.
 4. METAL EXHAUST DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.
 5. THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM AND VERIFY EXACT LOCATION WITH OWNER/ARCH.
 6. THERMOSTAT CONTROL CONDUIT AND CONTROL WIRING.
 7. METAL MAKE-UP AIR DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.



4 KING ADA #4
SCALE: 1/4"=1'-0"



5 D. QUEEN #5
SCALE: 1/4"=1'-0"



6 KING #6
SCALE: 1/4"=1'-0"

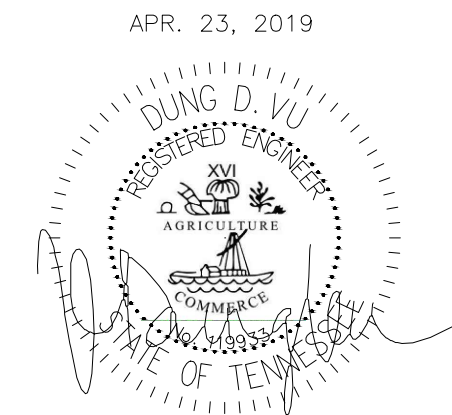
NOTE:
• NEW BACKGROUND

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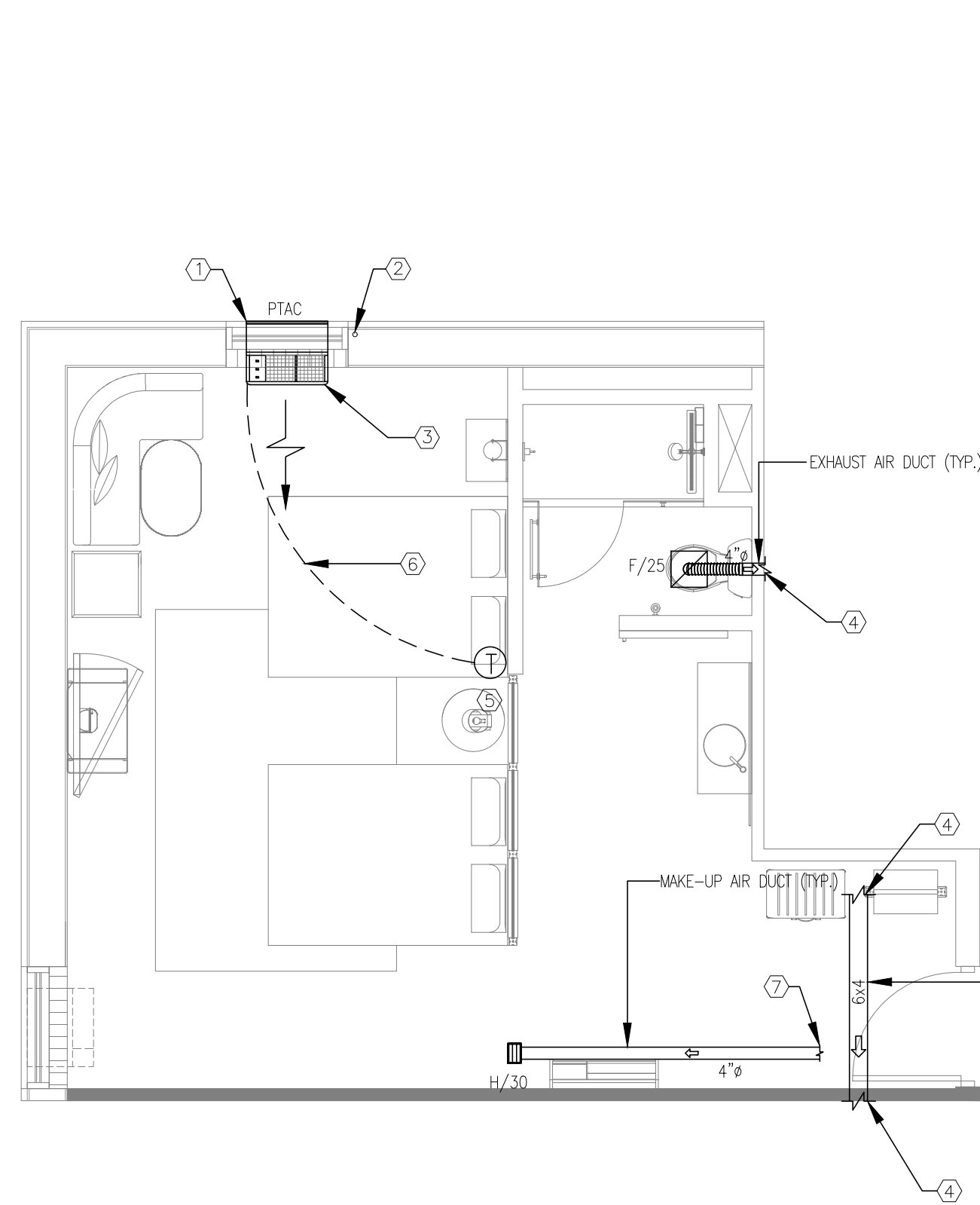
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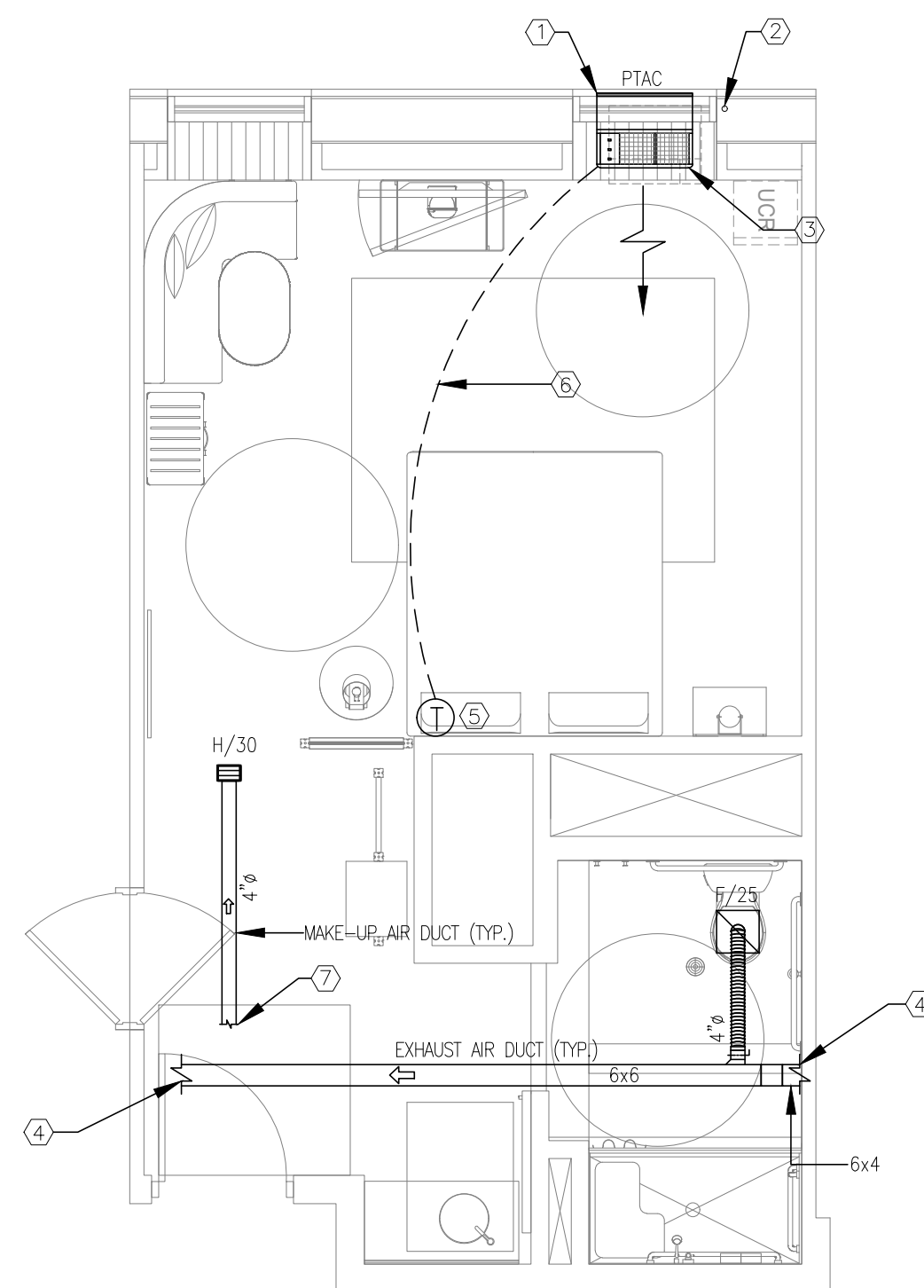
TYPICAL GUESTROOM
PLAN

SHEET M4.0

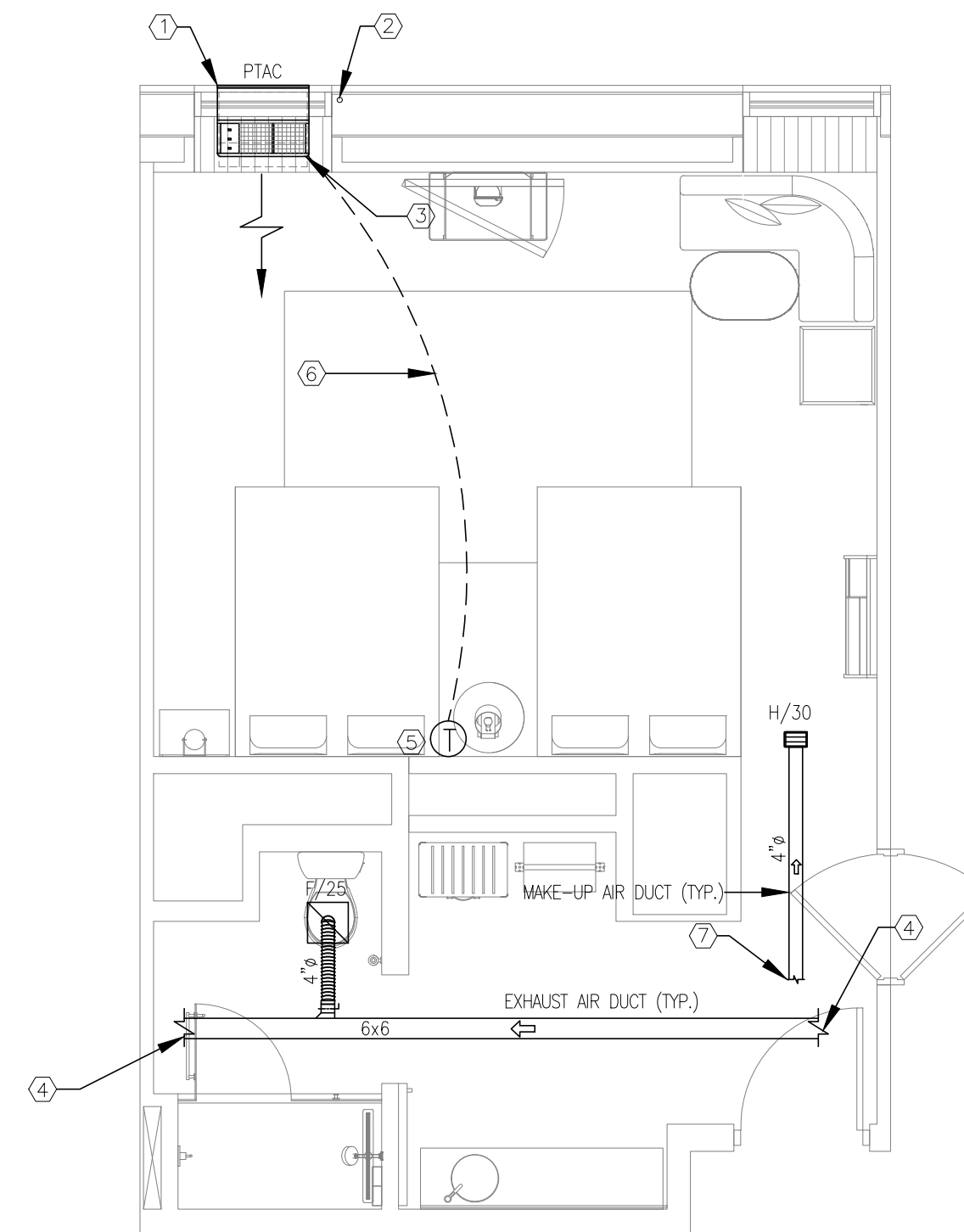
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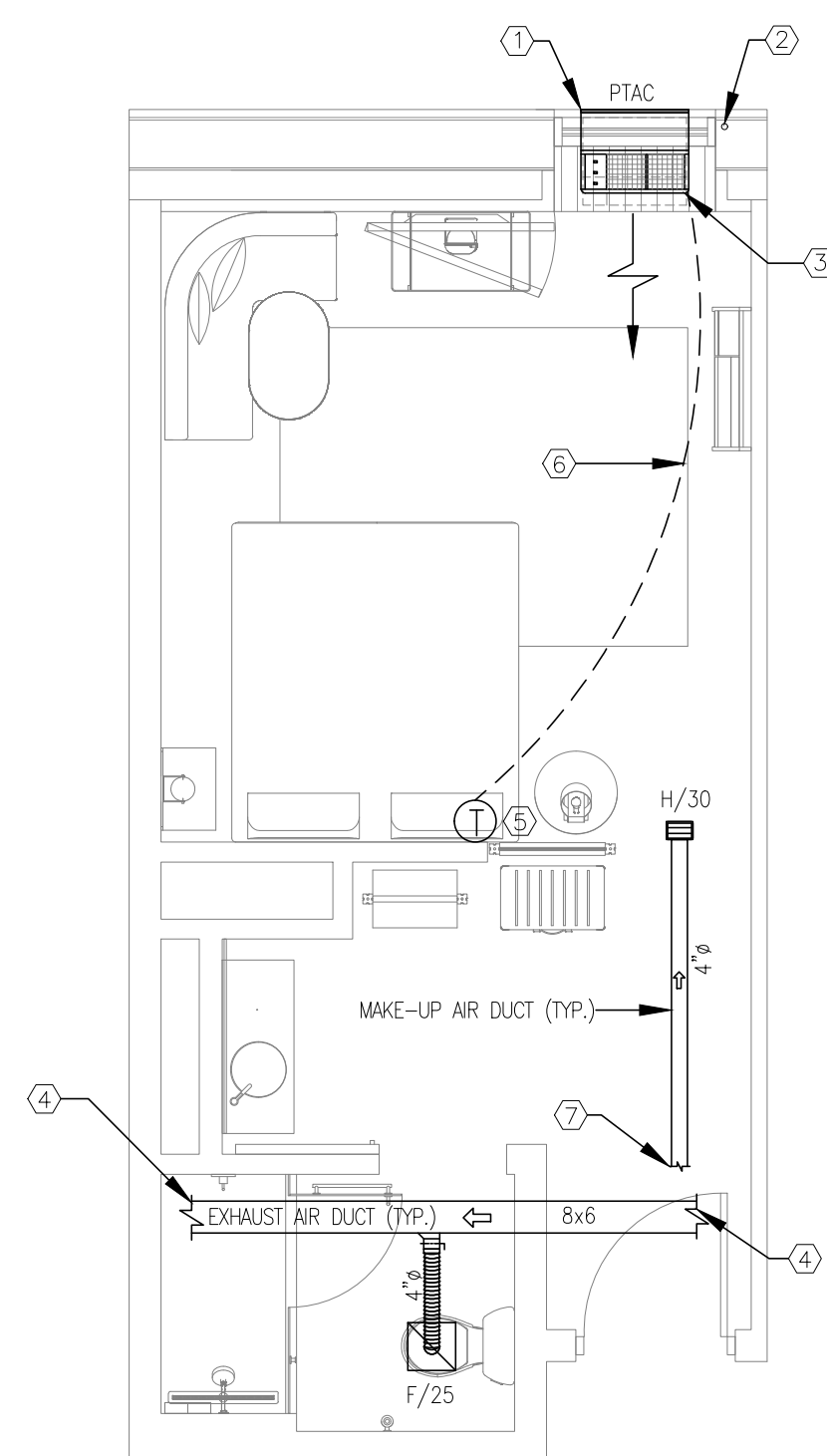
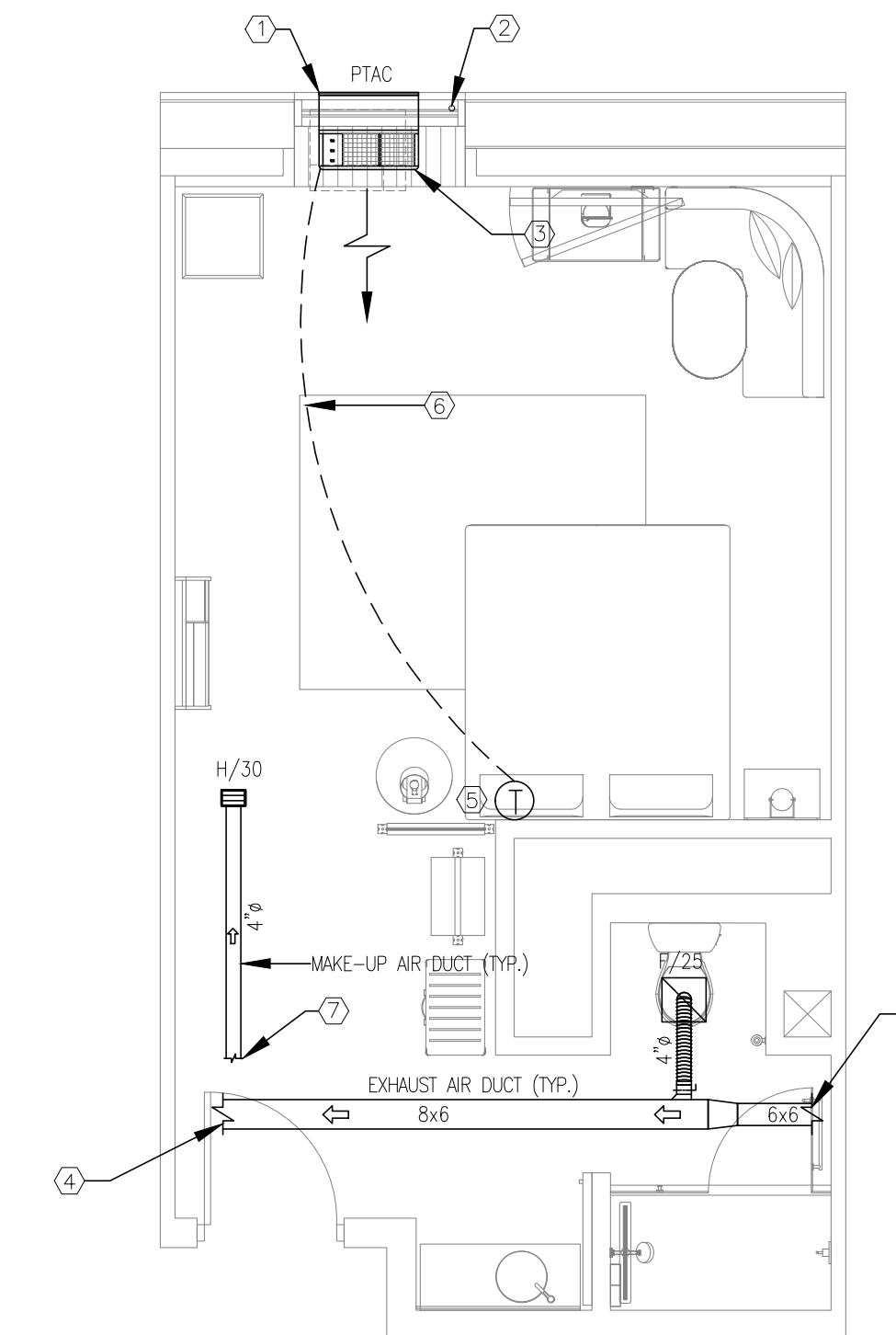
1 D. QUEEN #7
SCALE: 1/4"=1'-0"



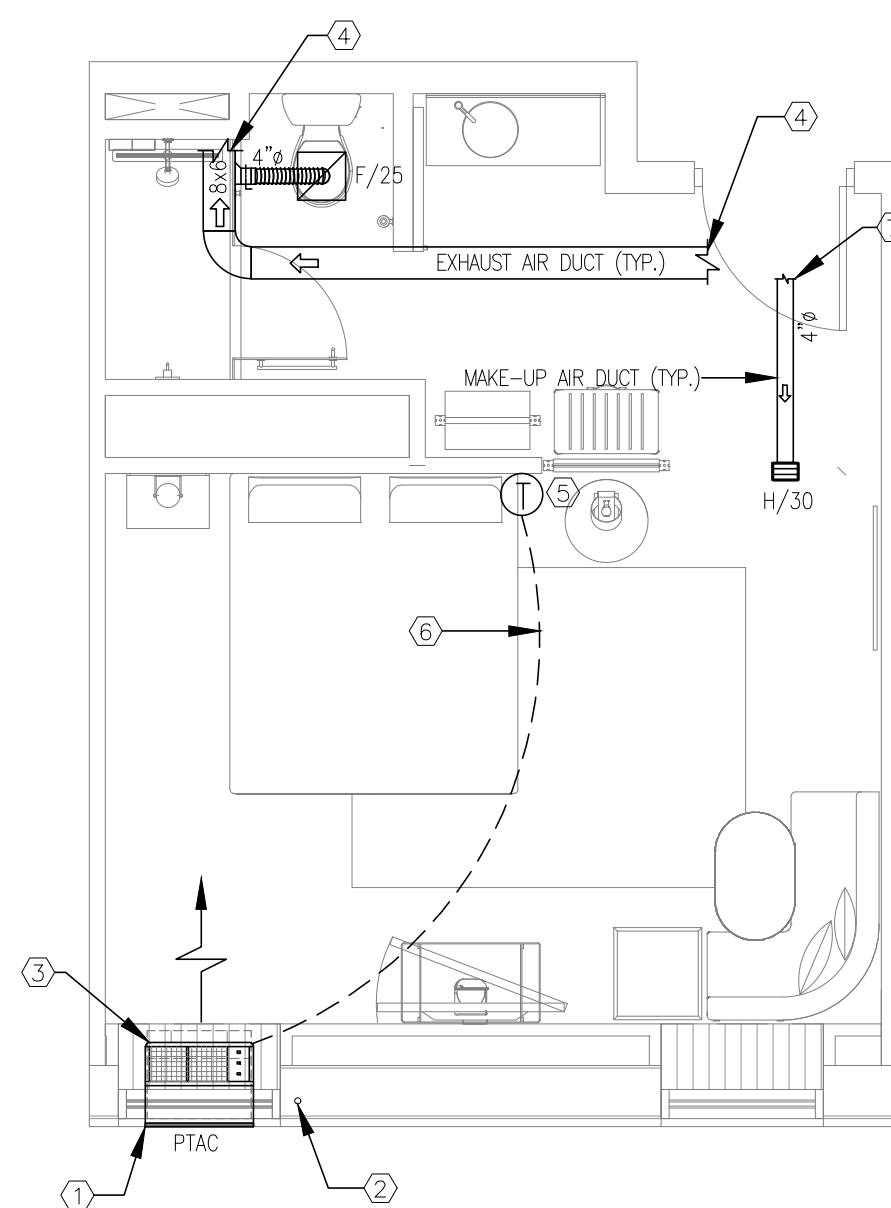
2 KING ADA #8
SCALE: 1/4"=1'-0"



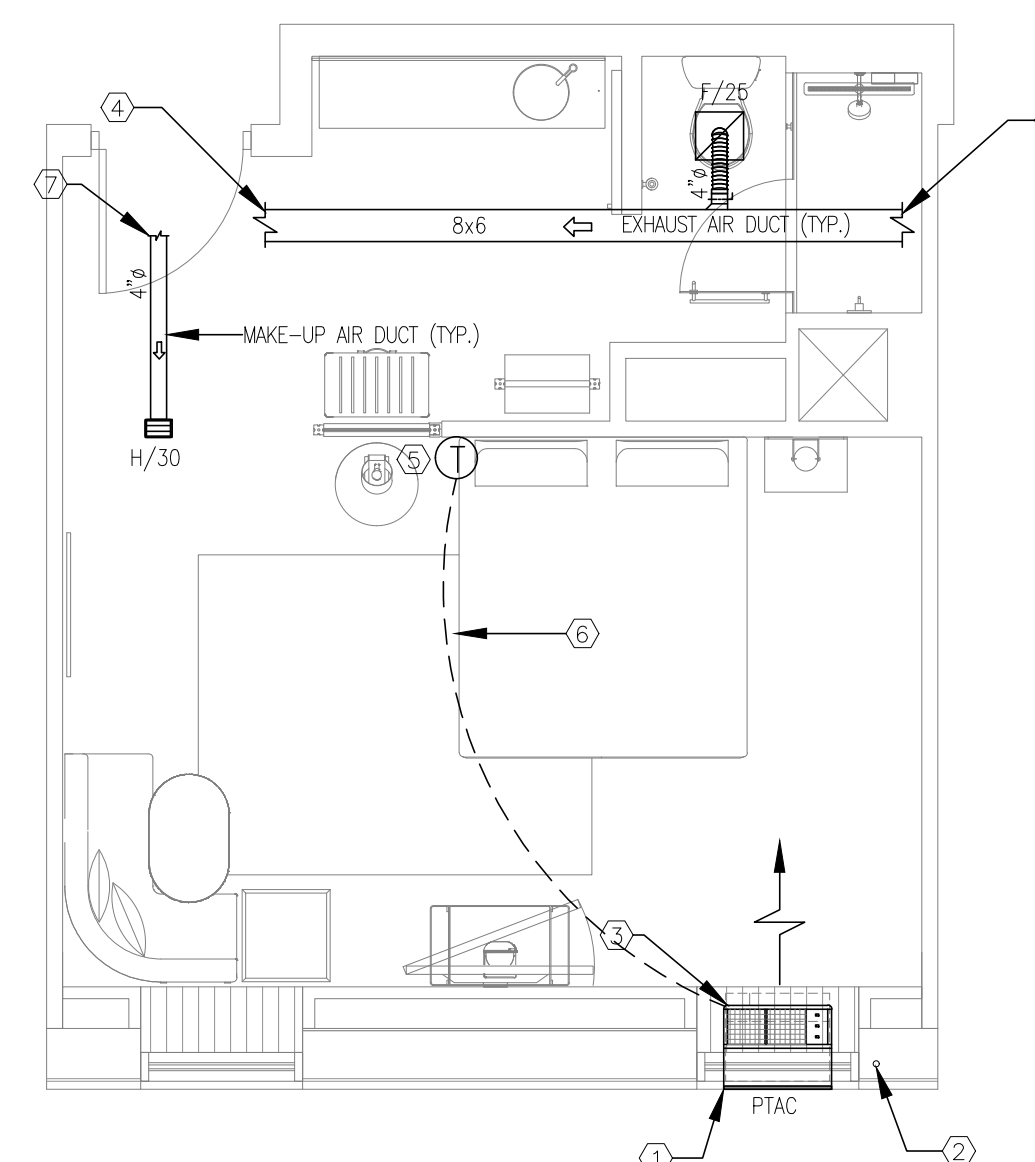
3 D. QUEEN #9
SCALE: 1/4"=1'-0"



5 KING #11
SCALE: 1/4"=1'-0"



6 KING #12
SCALE: 1/4"=1'-0"



7 KING #13
SCALE: 1/4"=1'-0"

- NOTES:**
1. ARCHITECTURAL WALL GRILLE FURNISHED WITH UNIT. GRILLE PAINTED TO MATCH EXTERIOR WALL (TYPICAL FOR ALL PTAC UNITS).
 2. SEE PLUMBING DRAWINGS FOR CONDENSATE DRAIN PIPING (TYPICAL FOR ALL PTAC UNITS).
 3. PACKAGED TERMINAL A/C UNIT (PTAC). SEE DETAIL ON M3.0 FOR INSTALLATION DETAIL.
 4. METAL EXHAUST DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.
 5. THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM AND VERIFY EXACT LOCATION WITH OWNER/ARCH.
 6. THERMOSTAT CONTROL CONDUIT AND CONTROL WIRING.
 7. METAL MAKE-UP AIR DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.

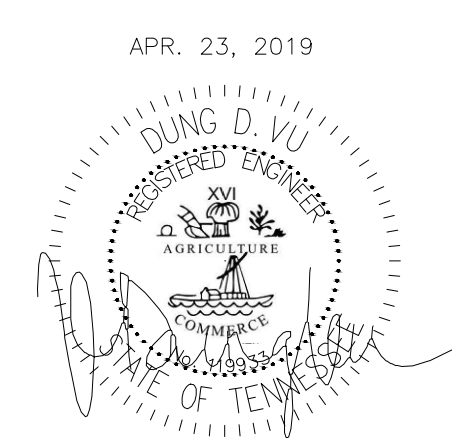
NOTE:
• NEW BACKGROUND

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3. YOUR BID MUST HAVE INCLUDED ANY DESIGN INFORMATION REFERENCED WITHIN ANY CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR PLUMBING DRAWINGS. ALSO NOTE THESE DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW ONLY BASIC CONCEPTS AND GENERAL INFORMATION. THE COMPLETION OF YOUR WORK MAY INCLUDE OTHER STEPS, PROCESSES, MATERIALS, PRODUCTS, LABOR, GOVERNING PERMITS AND OR APPROVALS NECESSARY TO PROVIDE A COMPLETE SYSTEM INSTALLATION WHETHER SUGGESTED ON THE DRAWINGS OR NOT.
4. AS AN EXAMPLE: ITEMS AND OR TASKS LIKE, FIRE CALUX, DRAFT STOPS, FASTENERS, ANCHORS, EMBEDMENTS, DUMPSTERS, DEBRIS CLEAN UP, ETC. ARE YOUR RESPONSIBILITY. ANY WORK NOT COMPLETED IN A TIMELY MANNER, OR INCOMPLETE WORK WILL BE BILLED BACK TO THE CONTRACTOR AND OR SUBCONTRACTOR, AT THE OWNERS' DISCRETION.



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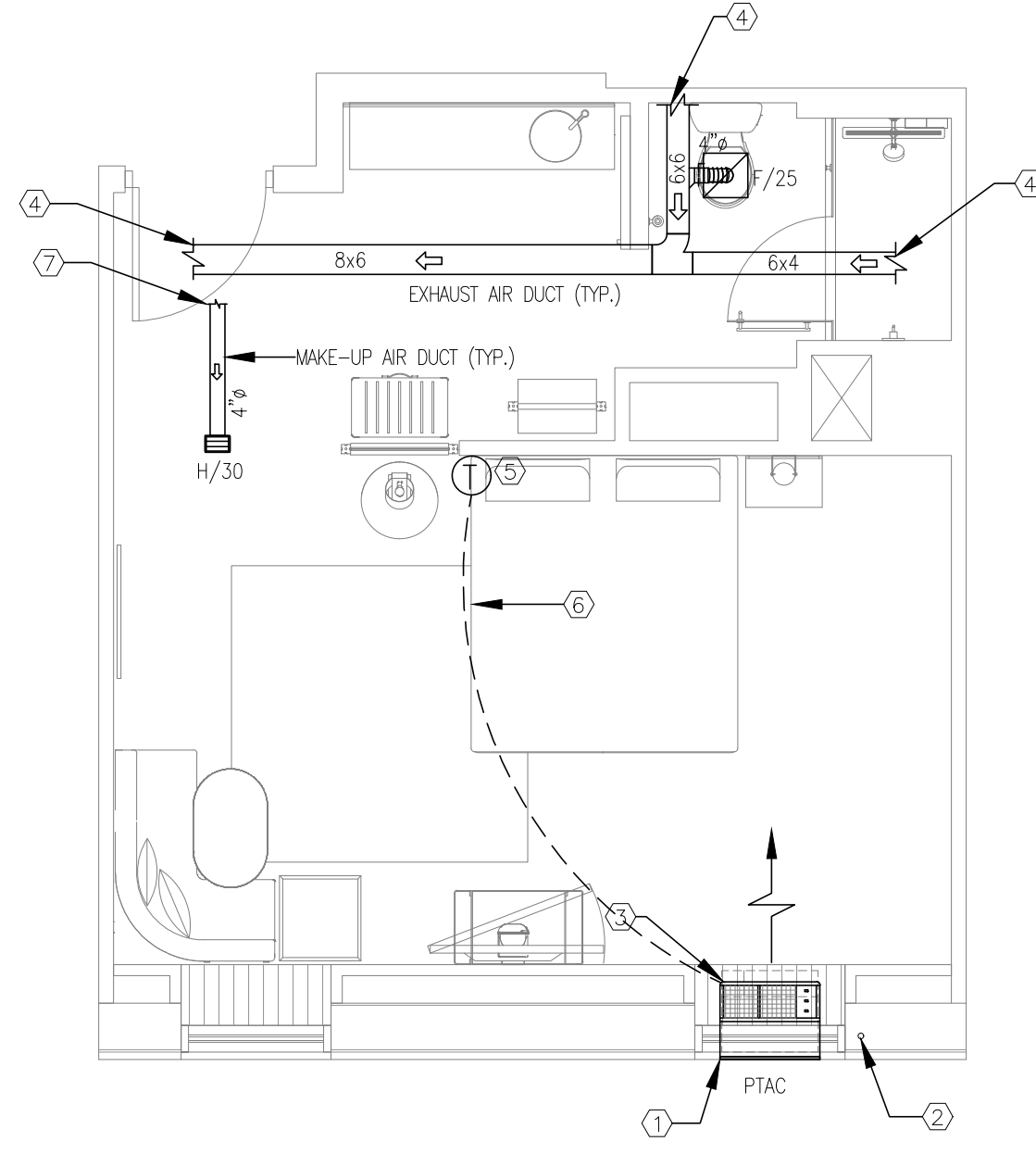
ALOFT
MEMPHIS
DOWNTOWN
63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
DRAWN BY: PL
CHKD. BY: DV

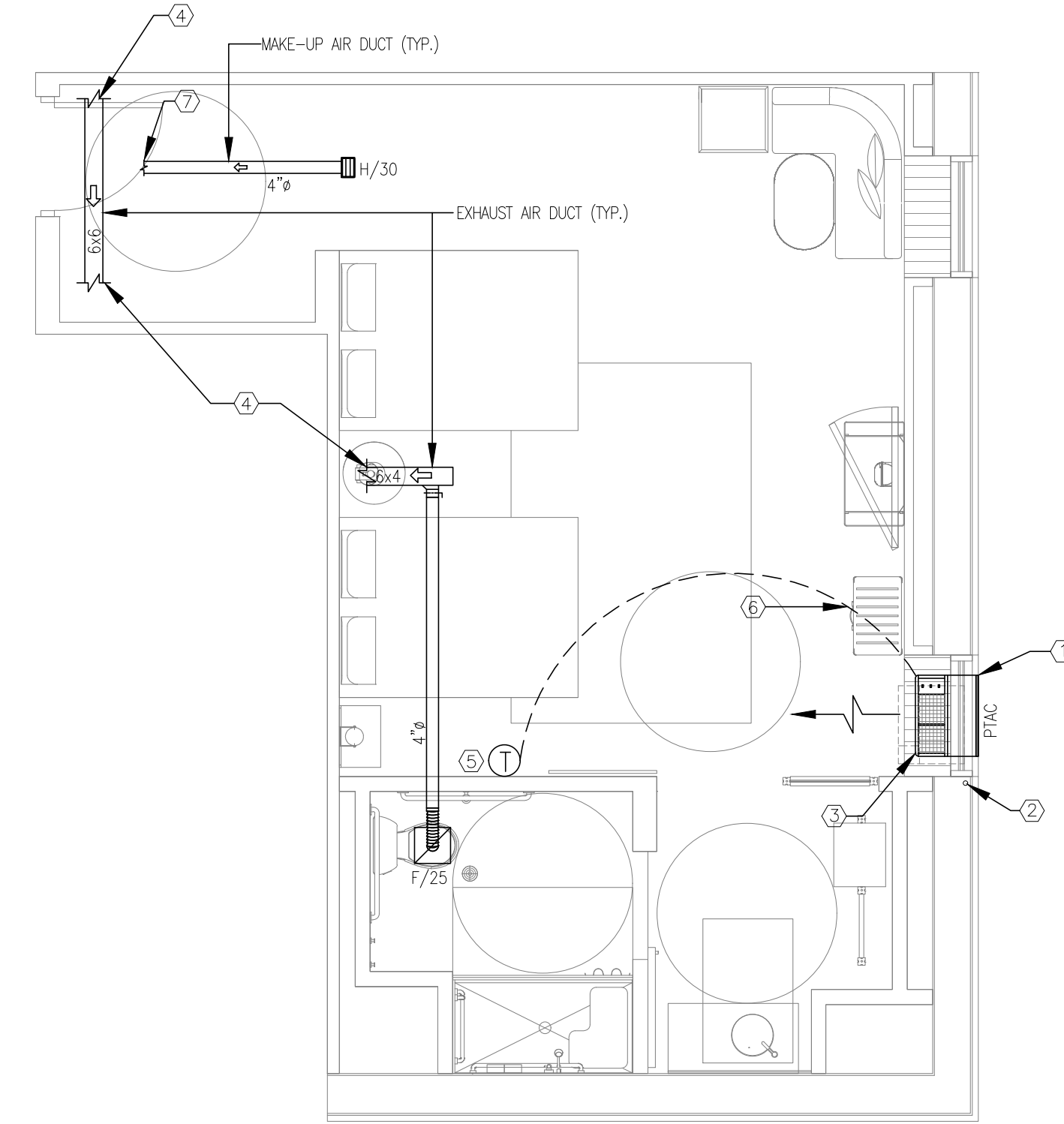
TYPICAL GUESTROOM
PLAN

SHEET M4.1

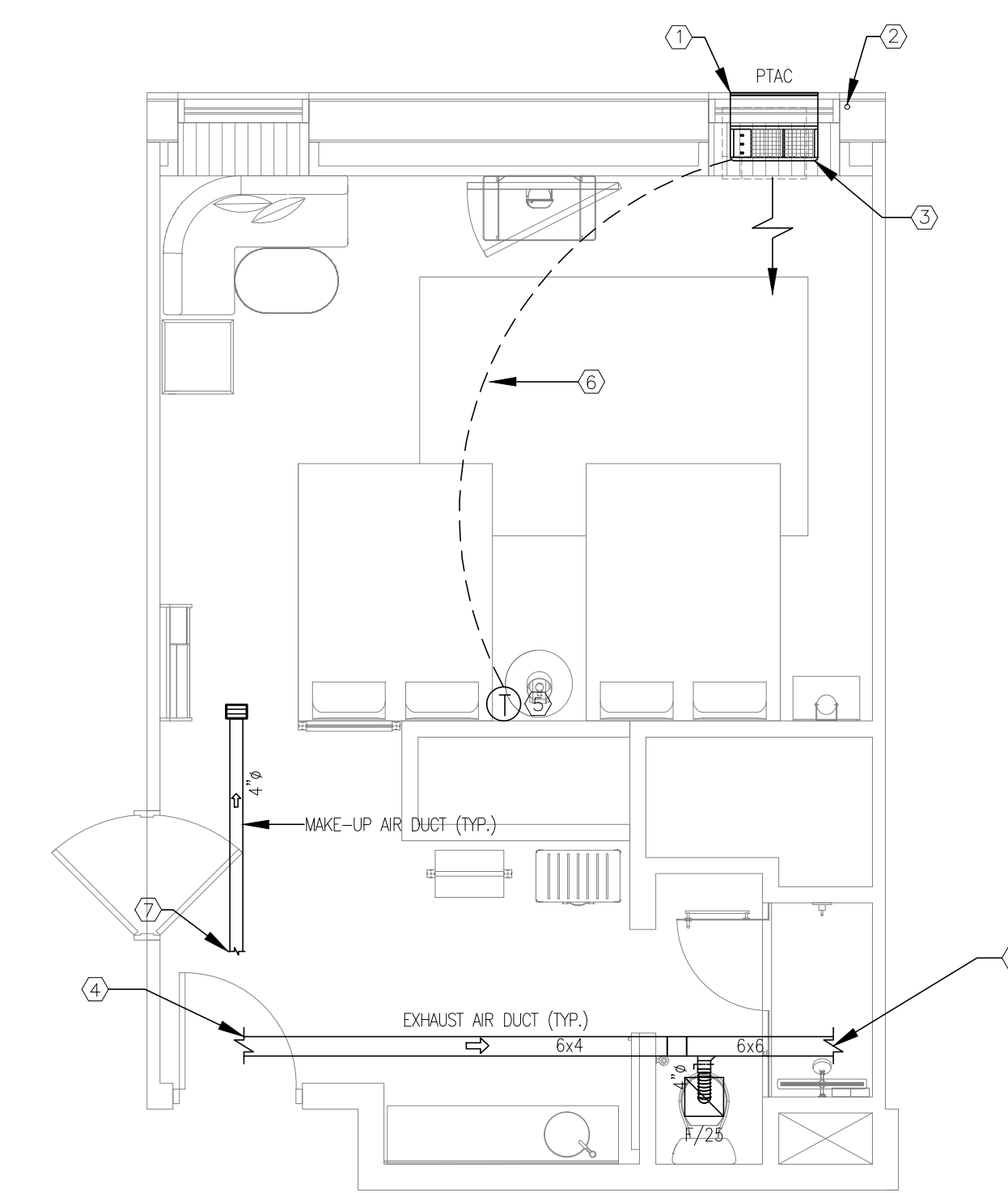
NO.	DESCRIPTION	DATE	BY
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-	ISSUED TO FRANCHISE	06/09/17	PL
-	ISSUED FOR BID (ID ONLY)	07/21/17	PL
-	ISSUED TO FRANCHISE	08/17/17	PL
-	ISSUED FOR PERMIT	08/04/17	PL
-	FOR FINAL APPROVAL	10/02/17	PL
-	ISSUED FOR PERMIT	11/28/17	PL
-	ISSUED FOR PERMIT	2/21/18	PL
-	ISSUED FOR FRANCHISE	03/24/18	PL
-	ISSUED FOR FRANCHISE	05/20/19	PL



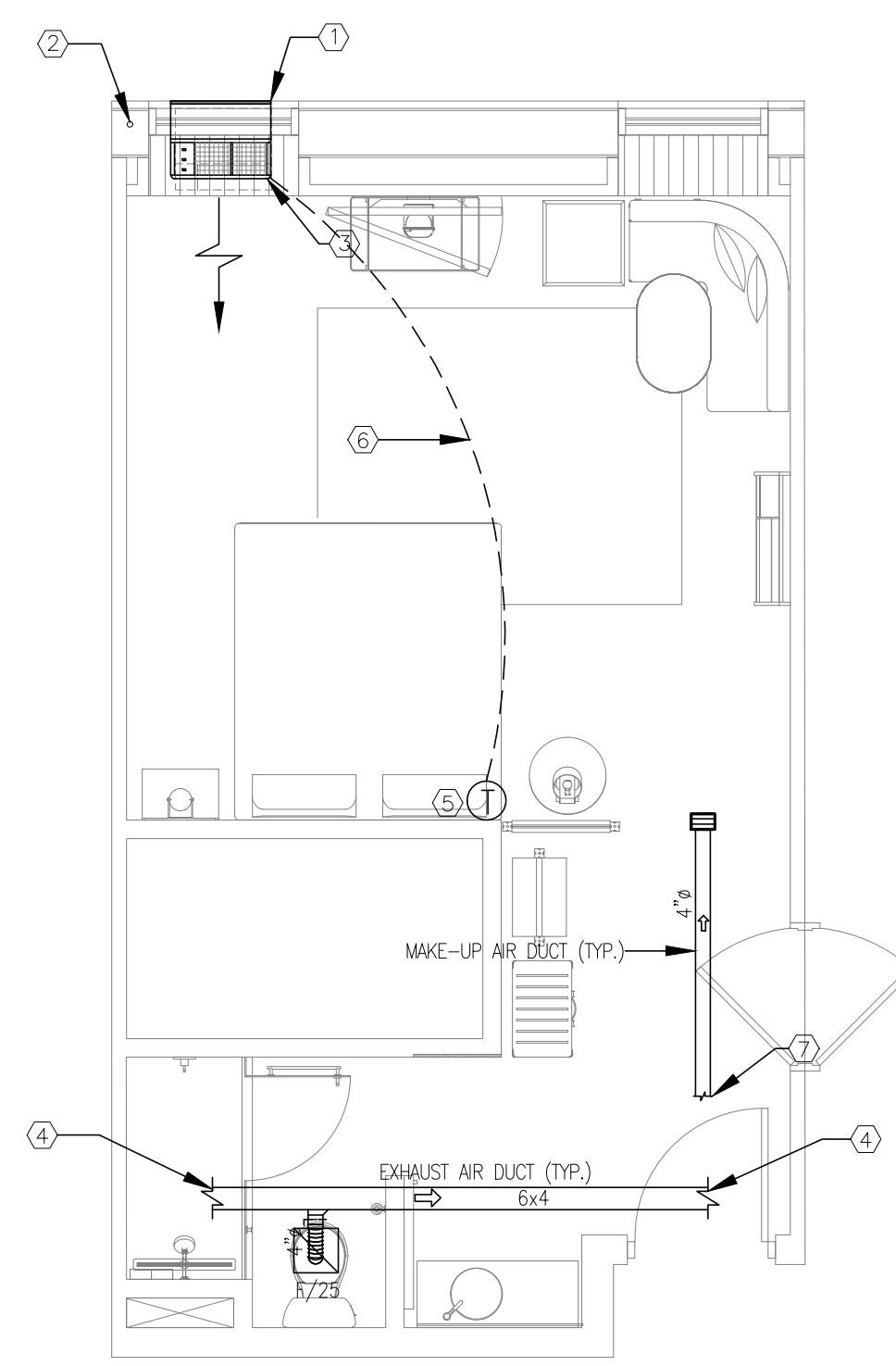
1 KING #14
SCALE: 1/4"=1'-0"



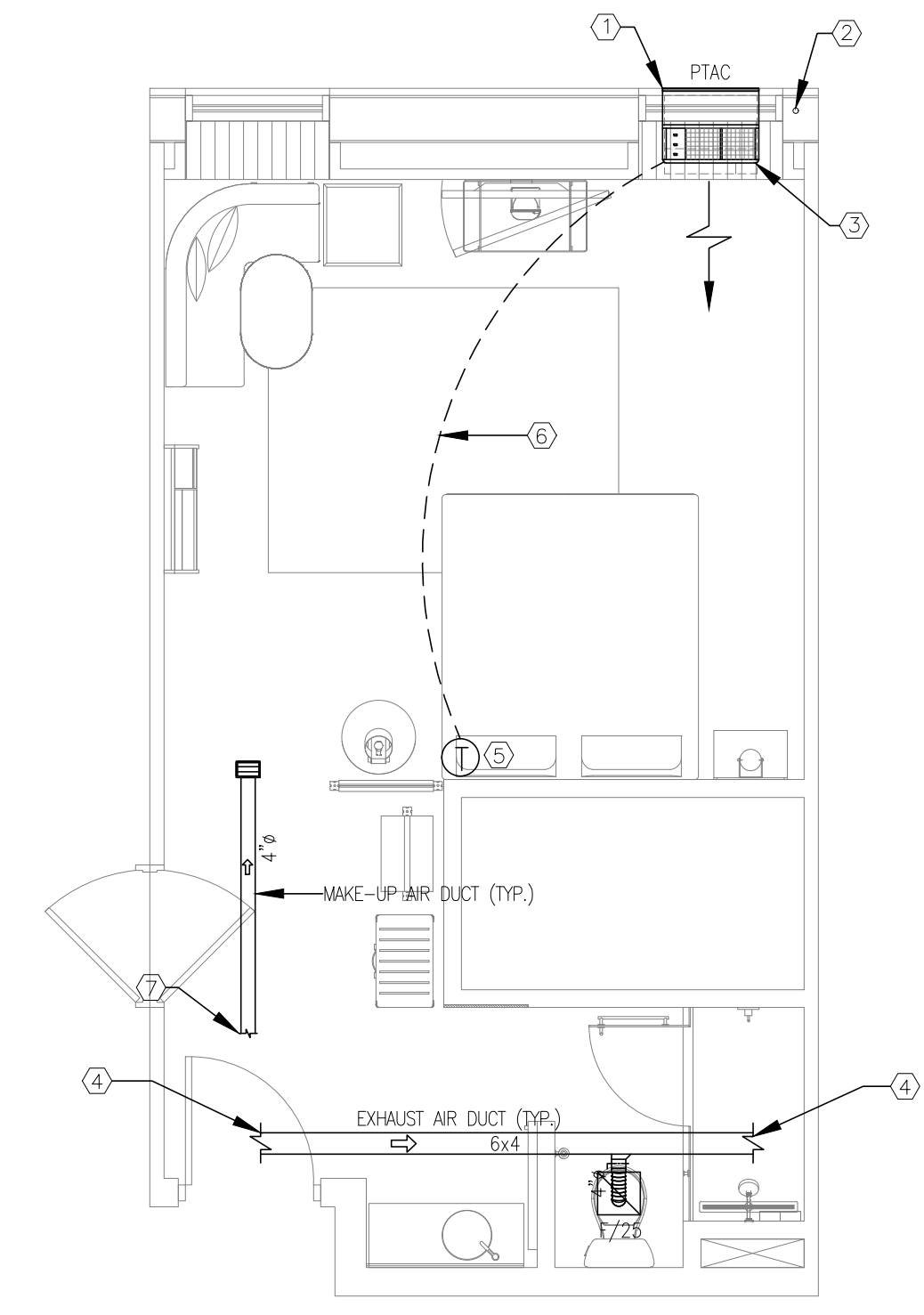
2 D. QUEEN ADA #15
SCALE: 1/4"=1'-0"



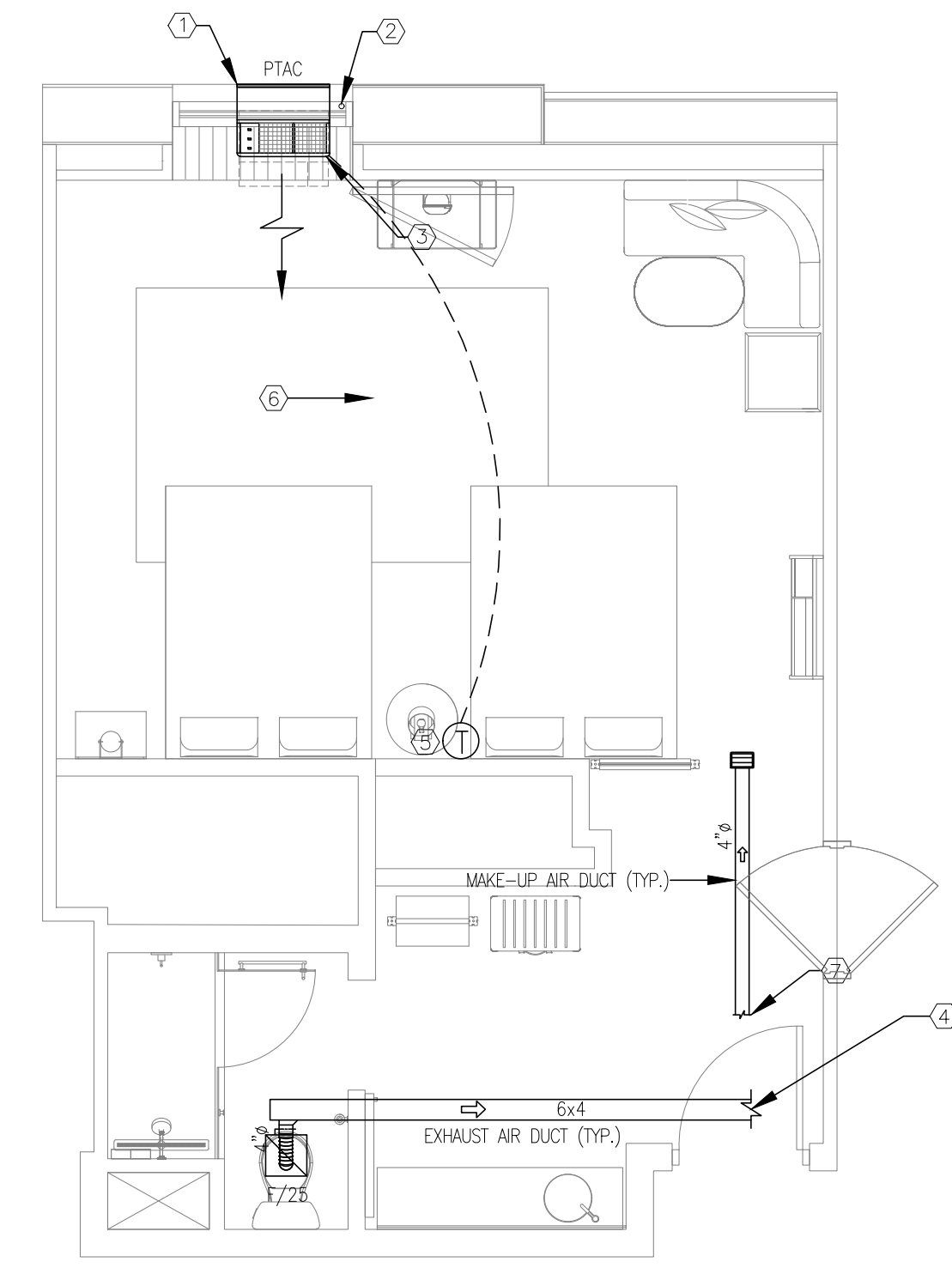
3 D. QUEEN #16
SCALE: 1/4"=1'-0"



4 KING #17
SCALE: 1/4"=1'-0"



5 KING #18
SCALE: 1/4"=1'-0"



6 D. QUEEN #19
SCALE: 1/4"=1'-0"

- NOTES:**
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NOTE:
• NEW BACKGROUND

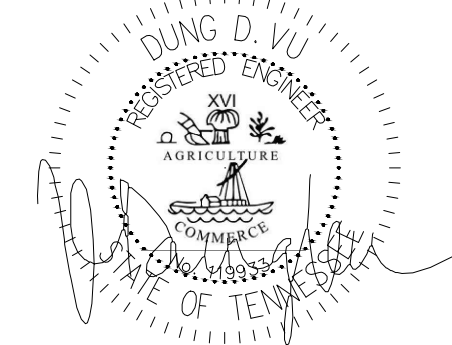
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APR. 23, 2019



ALOFT
MEMPHIS
DOWNTOWN

63 NORTH B.B. KING BLVD.
MEMPHIS, TENNESSEE 38103

PROJECT NO.: 16 006
DATE: 2-21-2018
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CHKD. BY: DV

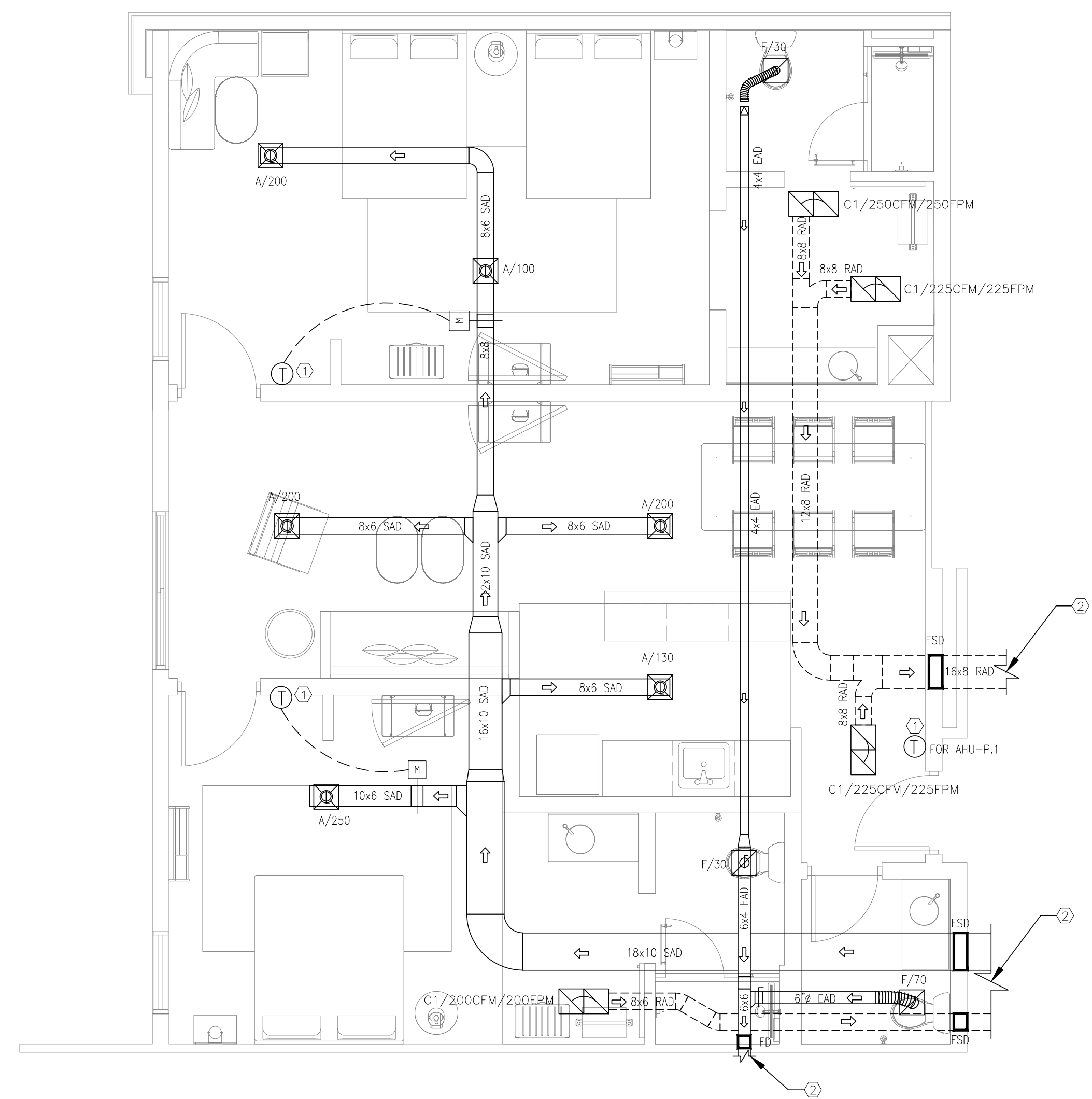
TYPICAL GUESTROOM
PLAN

SHEET M4.2

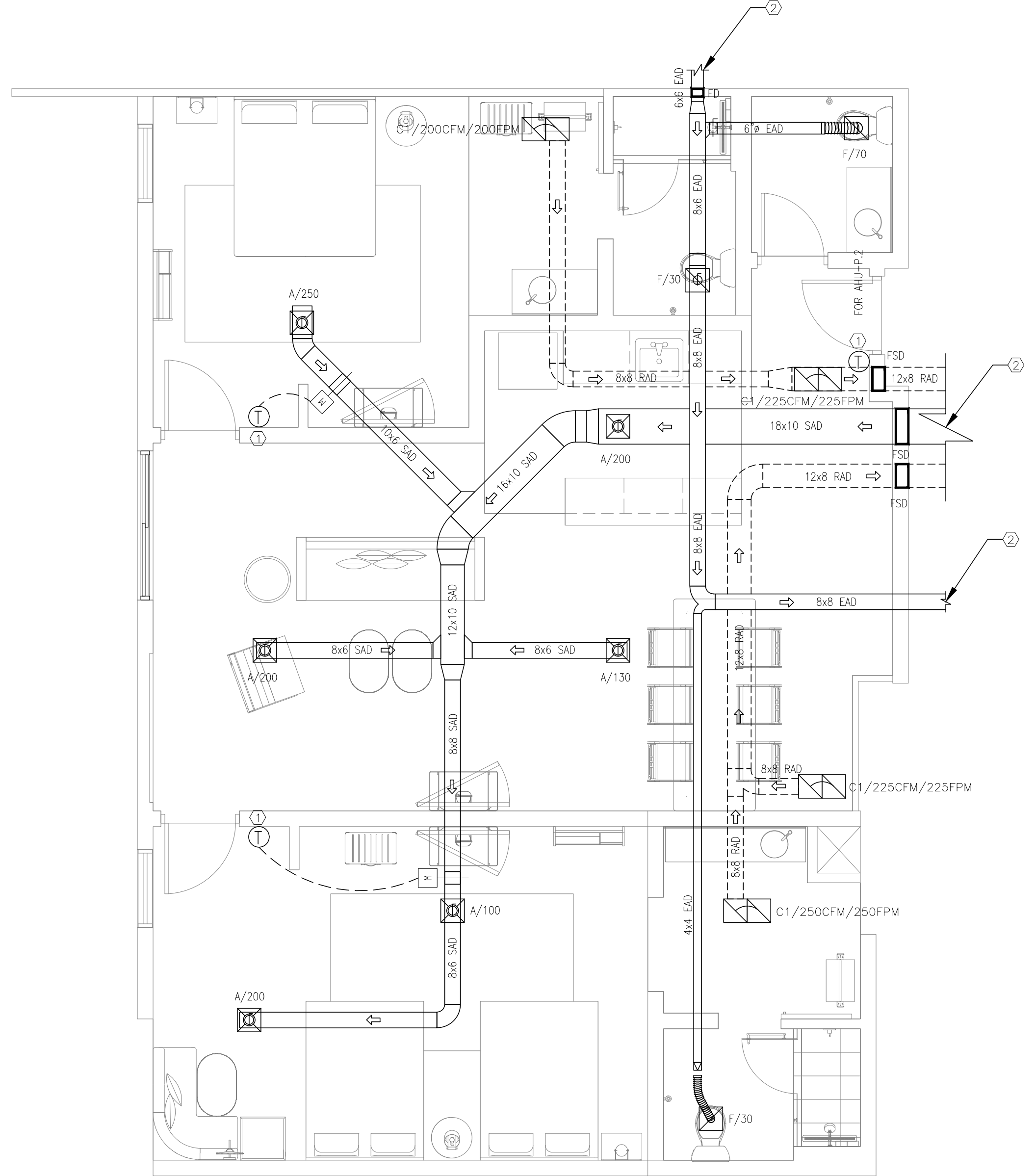
GRILLE AND REGISTER SCHEDULE									
MARK	TYPE	MANUF.	MODEL	DESCRIPTION	OPPOSE BLADE DAMPER (OBD)	MATERIAL	MOUNTING	FINISH	REMARKS
A	2-WAY SUPPLY AIR DIFFUSER	TITUS	TDC	LOUVERED FACE, 12"x 12" MODULE	YES	STEEL	LAY-IN	OFF-WHITE	12"x12". PAINT TO MATCH ADJACENT SURFACE.
C1	RETURN AIR GRILLE	TITUS	PAR	PERFORATED, 12"x 12" MODULE	NO	STEEL	LAY-IN	OFF-WHITE	12"x12". PAINT TO MATCH ADJACENT SURFACE.
F	EXHAUST AIR DIFFUSER	TITUS	TDC	LOUVERED FACE, 12"x 12" MODULE	YES	STEEL	LAY-IN	OFF-WHITE	12"x12". PAINT TO MATCH ADJACENT SURFACE.

MECHANICAL SYMBOLS		
SYMBOL	ABBREVIATION	DESCRIPTION
	FSD	FIRE SMOKE DAMPER
	VCD	VOLUME CONTROL DAMPER
	T'STAT	WALL MOUNTED THERMOSTAT
	MD	MOTORIZED DAMPER
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT

- NOTES:**
1. THE THERMOSTAT SHALL BE MOUNTED AT 48" AFF IN ALL ADA/ACCESSIBLE GUESTROOM AND 54" AFF IN ALL NON-ACCESSIBLE GUESTROOM AND VERIFY EXACT LOCATION WITH OWNER/ARCH.
 2. METAL SUPPLY, RETURN & EXHAUST DUCT ABOVE CEILING. SEE MECHANICAL FLOOR PLAN FOR CONTINUATION.
 3. PROVIDE ACOUSTICAL LINING FOR ALL SUPPLY DUCTWORK, AND A MINIMUM OF 10 FEET OF RETURN DUCT MAIN OF EACH SYSTEM (AHU).



1 SUITE #1
SCALE: 1/4"=1'-0"



2 SUITE #2
SCALE: 1/4"=1'-0"

NOTE:
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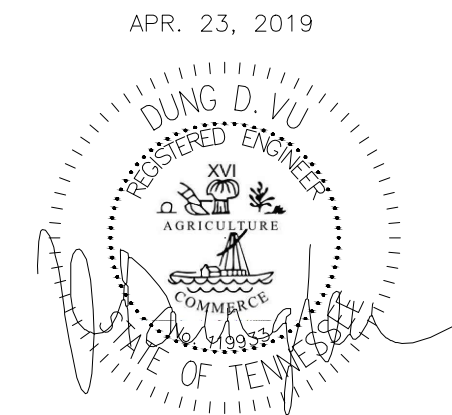
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TYPICAL GUESTROOM
PLAN

SHEET M4.3