

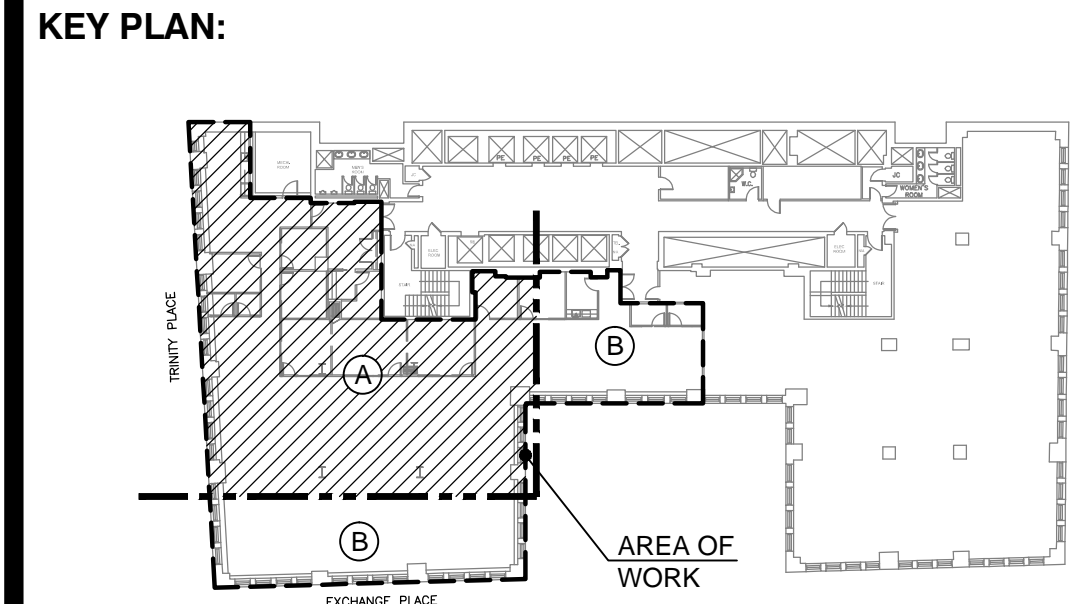
TEWO (TENANT EXTRA WORK ORDER)

1. ALL WORK ASSOCIATED WITH PROVIDING AC-1 AND WCCU-1 INCLUDING CONDENSER WATER PIPES, REFRIGERANT PIPES, CONDENSATE DRAIN PIPE, CONDENSATE PUMP, CONTROLS, ETC., BUT NOT LIMITED TO.

- MECHANICAL KEY NOTES:**
- REFURBISH EACH EXISTING WATER-COOLED AIR CONDITIONING UNITS AS NECESSARY. COORDINATE WITH BASE BUILDING MANAGEMENT AND ENGINEER.
 - BALANCE A/C UNIT LOCATED IN MECHANICAL EQUIPMENT ROOM TO TOTAL 9,600 CFM SUPPLY AIR AND 960 CFM OUTSIDE AIR.
 - POWER WASH EVAPORATOR AND CONDENSER COIL FINS AND VACUUM UNIT CASINGS.
 - CHECK COILS AND COMPONENTS FOR REFRIGERANT LEAKAGE.
 - RECHARGE REFRIGERANT CIRCUIT AS NECESSARY.
 - REMOVE EXISTING FILTERS AND REPLACE WITH NEW FILTERS.
 - READJUST BELTS AND/OR REPLACE AS REQUIRED.
 - LUBRICATE ALL BEARINGS.
 - CHECK THAT ALL CONTROLS ARE IN WORKING ORDER. REPLACE AS NECESSARY.
 - PROVIDE NEW VOLUME DAMPER ON EXISTING OUTSIDE AIR INTAKE DUCTWORK.
 - CONNECT NEW 64x18 MAIN SUPPLY AIR DUCT WITH 1" ACOUSTIC LINING TO EXISTING DUCT AIR TIGHT IN ORDER TO MATCH EXISTING DUCT IN SIZE. CONTRACTOR SHALL COORDINATE AND VERIFY AT THE FIELD PRIOR TO FABRICATION.
 - PROVIDE EQUAL NEST FITTING.
 - ALL EXPOSED DUCTWORK SHALL BE FLAT OVAL DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE AND VERIFY PRIOR TO ANY FABRICATION. WHERE INDICATED TO BE ACOUSTICALLY TREATED, PROVIDE DOUBLE WALL INSULATED.
 - PROVIDE 48x24 CG (TYPICAL FOR 4).
 - PROVIDE 16x8 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 16x8 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL. TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
 - CONNECT NEW CONDENSER WATER AND HOT WATER SUPPLY AND RETURN PIPES TO EXISTING PIPES WATER TIGHT. PROVIDE INSULATION ON NEW PIPES. FOR EXACT SIZE OF EXISTING PIPES, CONTRACTOR SHALL VERIFY EXACT SIZE OF EXISTING PIPES AT THE FIELD IN ORDER TO MATCH SIZE.
 - PROVIDE INSULATION ON EXISTING AND NEW CONDENSER WATER SUPPLY AND RETURN PIPES.
 - CONNECT EXISTING HOT WATER SUPPLY AND RETURN BRANCH PIPES TO NEW MAIN PIPES.
 - WATER-COOLED CONDITIONING UNIT SHALL BE HUNG FROM SLAB WITH VIBRATION ISOLATORS. PROVIDE THE UNIT WITH THE MANUFACTURER REQUIRED SERVICE ACCESS AREA AS INDICATED ON THE PLAN.
 - PROVIDE AUXILIARY DRAIN PAN BELOW UNIT AND CONDENSATE PUMP WITH LEAK DETECTOR. PAN SHALL BE SECURED TO WALL WITH ANGLE BRACKETS.
 - REFRIGERANT PIPES. SEE MECHANICAL NOTES #14 THRU 16.
 - DUCT PRESSURE SENSOR SHALL BE LOCATED 2/3 WAY DOWN ON SUPPLY AIR DUCT AND TIE-IN TO EXISTING AC UNIT AND BMS IN ORDER TO MONITOR AND ADJUST AC UNIT FAN SPEED ACCORDINGLY VIA EXISTING BMS. CONTRACTOR SHALL COORDINATE WITH RFR AND BUILDING MANAGEMENT/ENGINEER.
 - AC MANUFACTURER PROVIDED DUCT MOUNTED TEMPERATURE SENSOR. TIE-IN TO BASE BUILDING EXISTING BMS SYSTEM. CONTRACTOR SHALL COORDINATE AND VERIFY COMPATIBILITY WITH BASE BUILDING BMS SYSTEM. THIS SHOULD BE DONE BY THE CONTRACTOR WHO PROVIDED EXISTING AC UNIT. CONTRACTOR SHALL COORDINATE WITH RFR AND BUILDING MANAGEMENT/ENGINEER.
 - 1" CONDENSATE DRAIN SHALL BE SPILL TO FUNNEL DRAIN PROVIDED BY PLUMBING CONTRACTOR IN "MELLINS ROOM 1418".
 - PROVIDE MINIMUM 24"x24" CEILING ACCESS PANEL FOR SERVICE OF VARIABLE AIR VOLUME BOX. CONTRACTOR SHALL COORDINATE WITH ARCHITECT.
 - PROVIDE AUXILIARY DRAIN PAN AND LEAK DETECTOR BELOW NEW/EXISTING CONDENSER WATER PIPES IN "STORAGE ROOM 1403" AND "IT ROOM 1416". ANY LEAK SHALL BE NOTIFIED TENANT BY SOUNDING AUDIBLE ALARM AND BUILDING MANAGEMENT/ENGINEER VIA EXISTING BASE BUILDING BMS. LEAK DETECTION SHALL TIE-IN TO EXISTING BASE BUILDING BMS. CONTRACTOR SHALL COORDINATE WITH RFR AND BUILDING MANAGEMENT/ENGINEER FOR TIE-IN.
 - PROVIDE 12x6 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL AND ABOVE CEILING IN ENTRY AREA 1405. TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
 - PROVIDE 12x6 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL AND BELOW 36x16 SUPPLY AIR DUCT. TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
 - PROVIDE 24x6 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING INCLUDING ASSOCIATED 24x6 CG AND 24x6 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.
 - PROVIDE 24x12 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING INCLUDING ASSOCIATED 24x12 CG AND 24x12 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.
 - PROVIDE 12x6 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 CG AND 12x6 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.

TEWO #9

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NO.	DATE:	DESCRIPTION:

MECHANICAL CONTRACTOR:

AP Mechanical LLC
 5 Warehouse Lane
 Suite 160
 Elmsford, NY 10523

DRAFTING COMPANY:
Professional Drafting Services
 Certified / Insured CAD Specialists
 Marc W. Hoffman

167 Allen Road
 Rockville Centre NY, 11570
 Contact: 646.641.2512
 Email: Caddsubstant@gmail.com

DRAWING NAME:

14TH FLOOR SHEET METAL PART PLAN PART A

PROJECT INFORMATION:
SUITE 1400
GUARDIAN MEDIA
61 BROADWAY
NEW YORK, NY

Drawn By: CZ Chkd By: MH
 Scale: 3/8"=1'-0" Date: 07/05/19 Drawing Number

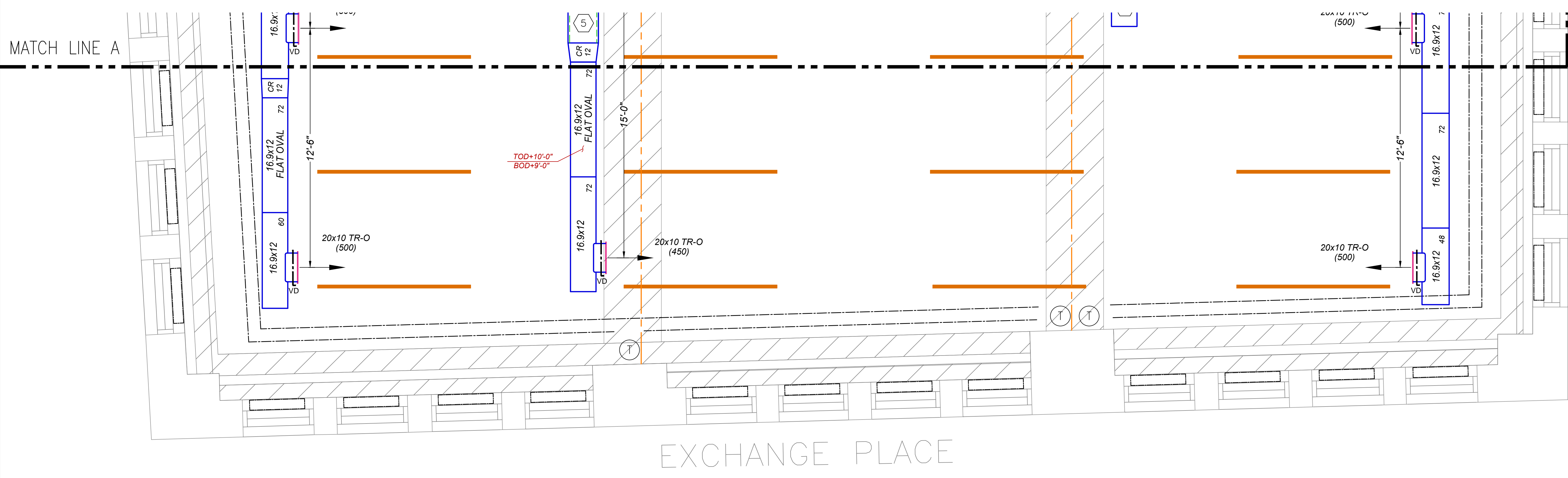
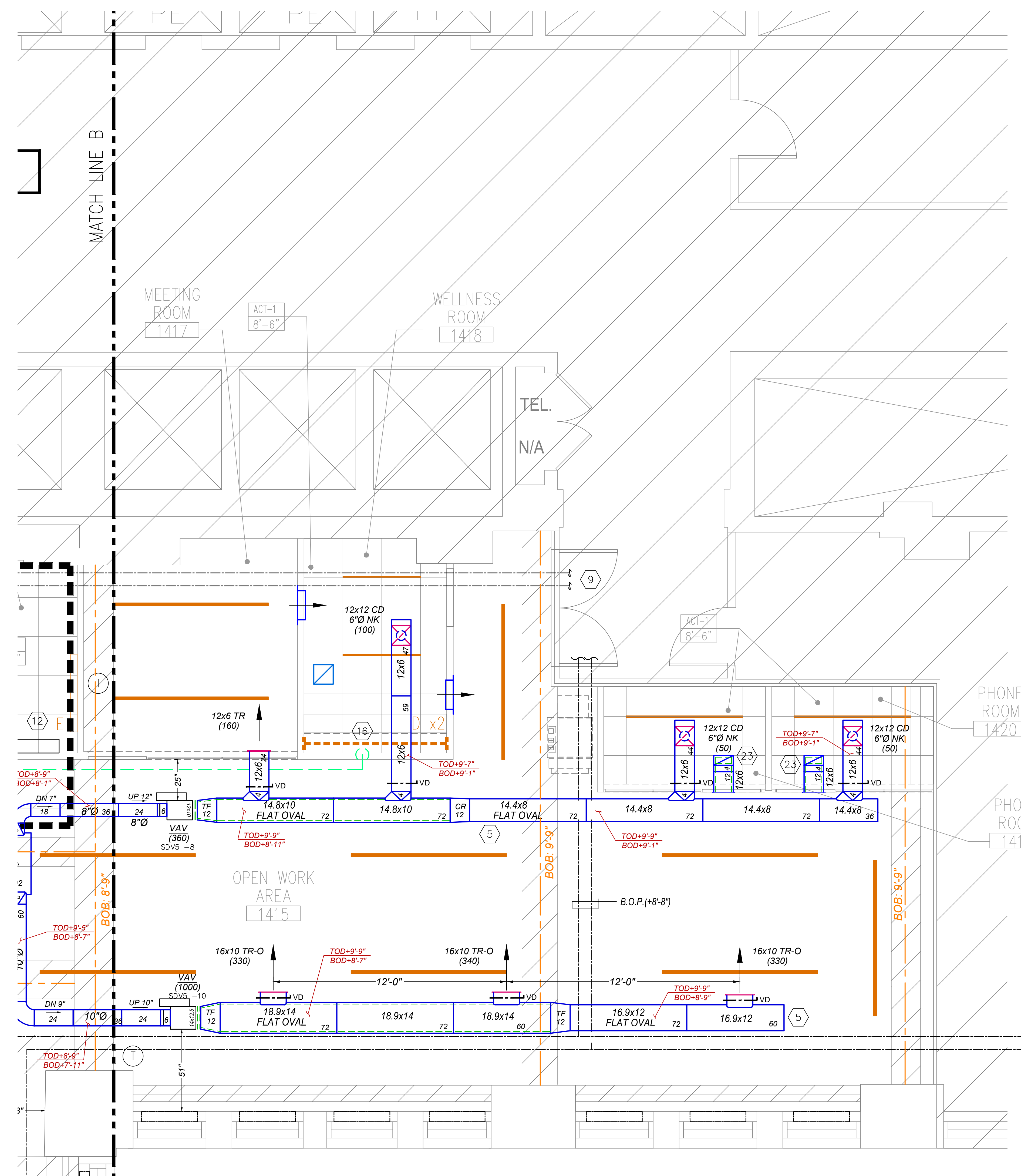
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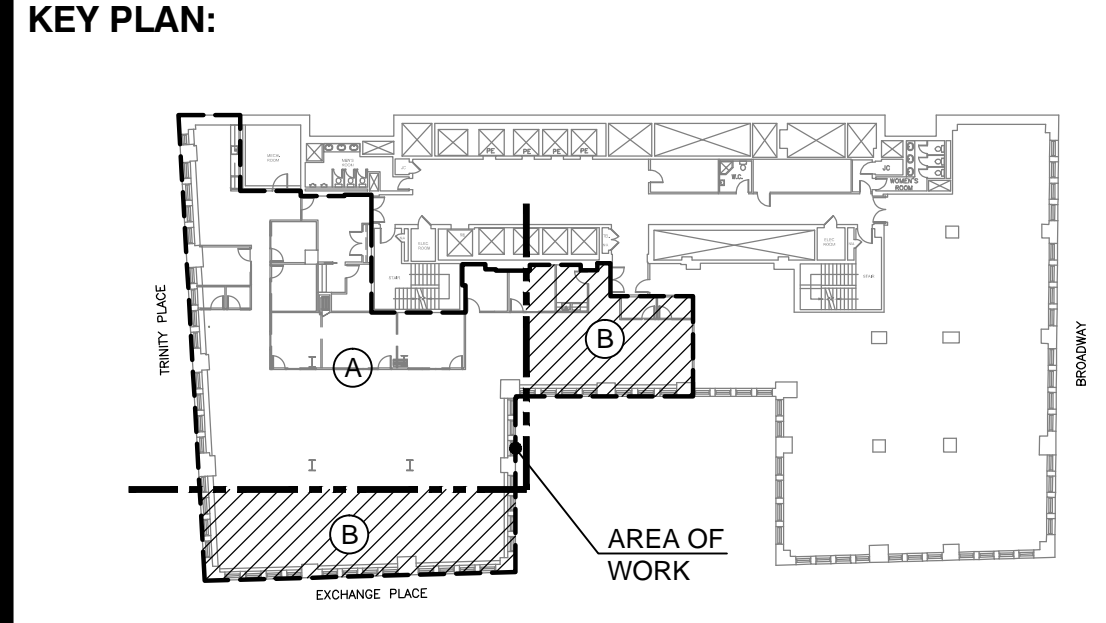
MECHANICAL KEY NOTES:

- 1) REFURBISH EACH EXISTING WATER-COOLED AIR CONDITIONING UNITS AS NECESSARY. COORDINATE WITH BASE BUILDING MANAGEMENT AND ENGINEER.
 - A. BALANCE A/C UNIT LOCATED IN MECHANICAL EQUIPMENT ROOM TO TOTAL 9,600 CFM SUPPLY AIR AND 960 CFM OUTSIDE AIR.
 - B. POWER WASH EVAPORATOR AND CONDENSER COIL FINS AND VACUUM UNIT CASINGS.
 - C. CHECK COILS AND COMPONENTS FOR REFRIGERANT LEAKAGE.
 - D. RECHARGE REFRIGERANT CIRCUIT AS NECESSARY.
 - E. REMOVE EXISTING FILTERS AND REPLACE WITH NEW FILTERS.
 - F. READJUST BELTS AND/OR REPLACE AS REQUIRED.
 - G. LUBRICATE ALL BEARINGS.
 - H. CHECK THAT ALL CONTROLS ARE IN WORKING ORDER. REPLACE AS NECESSARY.
- 2) PROVIDE NEW VOLUME DAMPER ON EXISTING OUTSIDE AIR INTAKE DUCTWORK.
- 3) CONNECT NEW 64x18 MAIN SUPPLY AIR DUCT WITH 1" ACOUSTIC LINING TO EXISTING DUCT AIR TIGHT, IN ORDER TO MATCH EXISTING DUCT IN SIZE. CONTRACTOR SHALL COORDINATE AND VERIFY AT THE FIELD PRIOR TO FABRICATION.
- 4) PROVIDE EQUAL NEST FITTING.
- 5) ALL EXPOSED DUCTWORK SHALL BE FLAT OVAL DUCTWORK. MECHANICAL CONTRACTOR SHALL COORDINATE AND VERIFY PRIOR TO ANY FABRICATION. WHERE INDICATED TO BE ACOUSTICALLY LINED, PROVIDE DOUBLE WALL INSULATED.
- 6) PROVIDE 48x24 CG. (TYPICAL FOR 4.)
- 7) PROVIDE 16x8 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 16x8 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL. TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
- 8) CONNECT NEW CONDENSER WATER AND HOT WATER SUPPLY AND RETURN PIPES TO EXISTING PIPES WATER TIGHT. PROVIDE INSULATION ON NEW PIPES FOR EXACT SIZE OF EXISTING PIPES. CONTRACTOR SHALL VERIFY EXACT SIZE OF EXISTING PIPES AT THE FIELD IN ORDER TO MATCH SIZE.
- 9) PROVIDE INSULATION ON EXISTING AND NEW CONDENSER WATER SUPPLY AND RETURN PIPES.
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- 14) DUCT PRESSURE SENSOR SHALL BE LOCATED 2/3 WAY DOWN ON SUPPLY AIR DUCT AND TIE-IN TO EXISTING AC UNIT AND BMS IN ORDER TO MONITOR AND ADJUST AC UNIT FAN SPEED ACCORDINGLY VIA EXISTING BMS. CONTRACTOR SHALL COORDINATE WITH RXR AND BUILDING MANAGEMENT/ENGINEER.
- 15) AC MANUFACTURER PROVIDED DUCT MOUNTED TEMPERATURE SENSOR. TIE-IN TO BASE BUILDING EXISTING BMS SYSTEM. CONTRACTOR SHALL COORDINATE AND VERIFY COMPATIBILITY WITH BASE BUILDING BMS SYSTEM. THIS SHOULD BE DONE BY THE CONTRACTOR WHO PROVIDED EXISTING AC UNIT. CONTRACTOR SHALL COORDINATE WITH RXR AND BUILDING MANAGEMENT/ENGINEER.
- 16) 1" CONDENSATE DRAIN SHALL BE SPILL TO FUNNEL DRAIN PROVIDED BY PLUMBING CONTRACTOR IN "WELLNESS ROOM 1418".
- 17) PROVIDE MINIMUM 24"x24" CEILING ACCESS PANEL FOR SERVICE OF VARIABLE AIR VOLUME BOX. CONTRACTOR SHALL COORDINATE WITH ARCHITECT.
- 18) PROVIDE AUXILIARY DRAIN PAN AND LEAK DETECTOR BELOW NEW/EXISTING CONDENSER WATER PIPES IN "STORAGE ROOM 1413" AND "IT ROOM 1416". ANY LEAK SHALL BE NOTIFIED TENANT BY SOUNDING AUDIBLE ALARM AND BUILDING MANAGEMENT/ENGINEER VIA EXISTING BASE BUILDING BMS. LEAK DETECTION SHALL TIE-IN TO EXISTING BASE BUILDING BMS. CONTRACTOR SHALL COORDINATE WITH RXR AND BUILDING MANAGEMENT/ENGINEER FOR TIE-IN.
- 19) PROVIDE 12x6 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL AND ABOVE CEILING IN "ENTRY AREA 1405". TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
- 20) PROVIDE 12x6 VERTICAL TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 TG AT END OF THE DISCHARGE OPENING LOCATED AT WALL AND BELOW 36x16 SUPPLY AIR DUCT. TRANSFER AIR INTAKE OPENING SHALL TERMINATE MINIMUM 1'-0" BELOW SLAB WITH WIRE MESH SCREEN.
- 21) PROVIDE 24x6 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING INCLUDING ASSOCIATED 24x6 CG AND 24x6 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.
- 22) PROVIDE 24x12 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING INCLUDING ASSOCIATED 24x12 CG AND 24x12 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.
- 23) PROVIDE 12x6 TRANSFER AIR DUCT WITH 1" ACOUSTIC LINING AND 12x6 CG AND 12x6 TG AT END OF BOTH DISCHARGE OPENINGS LOCATED AT CEILING AND WALL.

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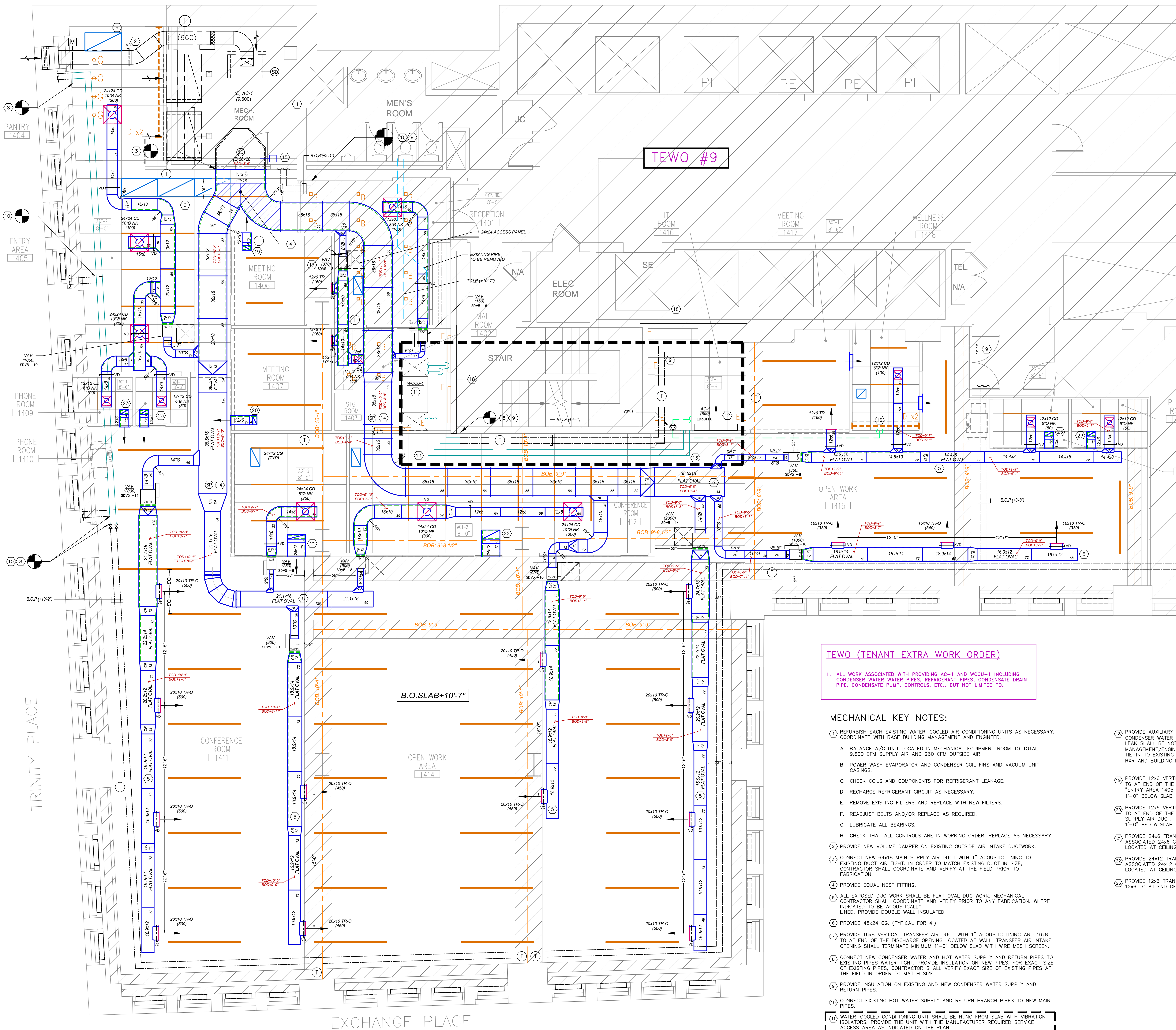
**14TH FLOOR
 SHEET METAL PART PLAN
 PART B**

PROJECT INFORMATION:

**SUITE 1400
 GUARDIAN MEDIA
 61 BROADWAY
 NEW YORK, NY**

Drawn By: CZ Chkd By: MH
 Scale: 3/8"=1'-0" Date: 07/05/19 Drawing Number

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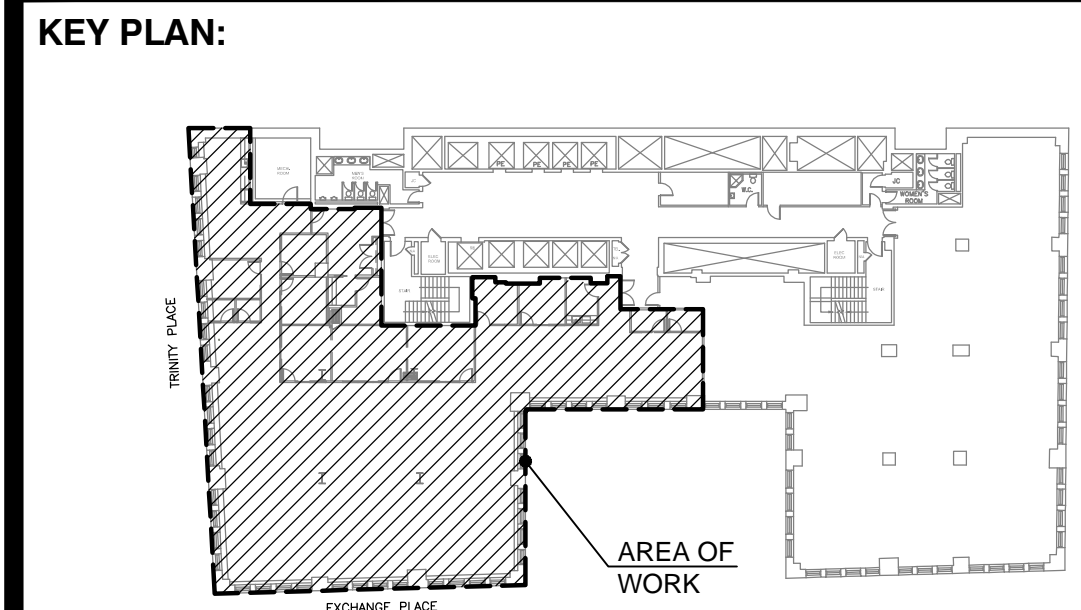
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CAD/SULTANTS LLC
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DRAWING NAME:

14TH FLOOR SHEET METAL PART PLAN

PROJECT INFORMATION:
SUITE 1400
GUARDIAN MEDIA
61 BROADWAY
NEW YORK, NY

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