

MECHANICAL GENERAL NOTES:

- ALL MECHANICAL HVAC AND PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE BASE BUILDING SPECIFICATION AND WITH THE LATEST EDITION OF THE PREVAILING STATE MECHANICAL, PLUMBING AND BUILDING CODES AS WELL AS ALL REGULATIONS THAT MAY APPLY. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE THE MORE STRINGENT STANDARD SHALL APPLY.
- COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES WITH CEILING AND LIGHT FIXTURE LAYOUT - VERIFY WITH ARCHITECT.
- ALL RECTANGULAR SUPPLY DUCTS ELBOWS SHALL HAVE SINGLE THICKNESS TURNING VANES.
- ALL AIR CONDITIONING DUCTWORK SHALL BE SMACNA 1" PRESSURE CLASSIFICATION WITH SEAL CLASS 'A'.
- RECTANGULAR DUCT SIZES SHOWN INDICATE REQUIRED AIRFLOW SIZES. SHEET METAL CONTRACTOR SHALL INCREASE SIZES TO ALLOW FOR 1.5-INCH THICK LINES EQUIVALENT TO KNAUF TYPE 'ATMOSPHERE' - MINIMUM R-VALUE 6.0.
- COORDINATE ROUTING OF DUCTWORK WITHIN STRUCTURE WITH THE LOCATION OF COLUMNS, JOIST AND BEAMS.
- ALL ROUND AIR CONDITIONING DUCTWORK SHALL HAVE 2-INCH THICK EXTERIOR DUCT WRAP CONSISTING OF A FIBERGLASS BLANKET FACTORY APPLIED BARRIER FACING AND HAVING A MINIMUM R-VALUE OF 5.6 UNLESS NOTED OTHERWISE.
- IT IS THE INTENT TO HAVE ALL AIR SYSTEMS INCLUDING KITCHEN EXHAUST AND MAKE-UP AIR BALANCED BY AN INDEPENDENT TABER CERTIFIED NEBB CONTRACTOR. AIR QUANTITIES IN MAIN DUCTS SHALL BE MEASURED AT TOTAL OUTLET AND INLET AIR QUANTITIES SHALL BE DETERMINED IN ACCORDANCE WITH NEBB PROCEDURES. THE NEBB TAB FIRM SHALL PROVIDE A CERTIFICATE OF COMPLIANCE CERTIFICATION TO THE OWNER.
- UNLESS OTHERWISE SPECIFIED WORK SHOWN ON THE CONTRACT DRAWINGS IS DIAGRAMMATIC. ILLUSTRATING THE GENERAL ARRANGEMENT. CONTRACTOR SHALL ADHERE TO ARRANGEMENT SHOWN AS CLOSELY AS PRACTICABLE. ACTUAL CONSTRUCTION WILL PERMIT.
- CONTRACTOR SHALL VERIFY EXACT EQUIPMENT DIMENSIONS, CLEARANCES, AND FIELD DIMENSIONS RELATIVE TO LOCATIONS OF STRUCTURAL FRAMING. CHANGES REQUIRED IN ROUTING SIZES OF DUCTWORK TO MAKE WORK SHOWN CONFORM TO PROJECT REQUIREMENTS RESULTING FROM FIELD COORDINATION PROBLEMS SHALL BE IDENTIFIED, ILLUSTRATED, AND SUBMITTED TO THE ENGINEER FOR PRIOR REVIEW AND APPROVAL BEFORE INSTALLATION.

(X) SHEET KEYNOTES

- VENTILATION CONNECTION TO RTU-1&2; BALANCE TO SCHEDULED OUTDOOR AIRFLOW RATE.
- COORDINATE WITH ARCHITECTURAL REQUIREMENTS FOR PAINTING DIFFUSER/GRILLE.
- RTU-01 REMOTE TEMPERATURE & HUMIDITY SENSORS LOCATED IN RETURN AIR DUCT; REFER TO SHEET M3.2 FOR CONTROL SCHEMATIC
- MOUNT REMOTE ANUNCIATORS 66" A.F.F. AND LABEL TO AREA SERVED
- REMOTE CONTROLLER(S) MOUNTED ABOVE DOOR AT 90" A.F.F.; REFER TO SHEET M3.2 FOR CONTROL SCHEMATIC
- SET DIFFUSER MINIMUM TO 10% AFTER BALANCING; SET HEATING TO 68°F AND COOLING TO 71°F.
- 8"Ø RIGID, METAL DRYER VENT INCREASED TO 10"Ø DRYER DUCT ROUTE UP HAVING AN OFFSET USING 45° ELBOWS, TERMINATE WITH GOOSENECK A MINIMUM OF 36-INCHES ABOVE ROOF SURFACE & 10-FT MINIMUM FROM ANY OUTSIDE AIR INTAKE. PROVIDE AN 8x4 ACCESS PANEL EQUAL TO DUCTMATE SANDWICH ACCESS DOOR - HI-TEMP. FOR CLEANING AT THE BASE OF EACH VERTICAL RISER IN ACCORDANCE WITH IMC SECTION 804.
- RTU-02 REMOTE TEMPERATURE & HUMIDITY SENSORS WALL MOUNTED IN LOCATION SHOWN; REFER TO SHEET M3.2 FOR CONTROL SCHEMATIC.
- (4) 4-INCH METAL DRYER EXHAUST STRAIGHT OUT TO EXTERIOR WALL. BOTTOM DRYER EXHAUST DUCT SHALL HAVE 45° VERTICAL OFFSET TO PENETRATE WTHE WALL AT 18-INCHES A.F.F., SECURE DUCT IN PLACE - TERMINATE WITH WALL CAP EAL-XX SCHEDULED ON SHEET M4.1.
- USE A 45° LEAD-IN FITTING FOR EXHAUST TAP TO MAIN TRUNK DUCT.

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TYPICAL BRANCH DUCT TAKE-OFF WITH MANUAL VOLUME DAMPER		EXHAUST AIR DUCT TURNED UP
	SINGLE THICKNESS TURNING VANES		SUPPLY AIR DUCT TURNED UP
	DUCT TRANSITION		RETURN AIR DUCT TURNED UP
	ROUND CONICAL TEE WITH VOLUME DAMPER		FIRE DAMPER WITH ACCESS DOOR
	CEILING DIFFUSER 4-WAY PATTERN UNLESS NOTED OTHERWISE		FLEX CONNECTION 10'-0" MAX LENGTH
	CEILING DIFFUSER 2-WAY PATTERN UNLESS NOTED OTHERWISE		MANUAL BALANCE DAMPER
	SLOT DIFFUSER 1-WAY HORIZONTAL PATTERN UNLESS NOTED OTHERWISE		THERMOSTAT
	CEILING GRILLE: RETURN AND/OR EXHAUST AIR		REMOTE TEMPERATURE SENSOR
	EXHAUST AIR DUCT TURNED DOWN		HUMIDISTAT AND/OR SENSOR
	SUPPLY AIR DUCT TURNED DOWN		ALARM ANNUNCIATOR
	RETURN AIR DUCT TURNED DOWN		ROOF MOUNTED EXHAUST FAN
			SD-D — Supply Diffuser, Return Grille, or Exhaust Grille
			8"Ø — DEVICE TYPE, REFER TO SCHEDULE
			157 CFM — AIR FLOW VOLUME, CFM

14"Ø MAKE-UP AIR DUCT THROUGH ROOF. TERMINATE 36" ABOVE ROOF WITH GOOSENECK AND COVER WITH BIRD SCREEN. MAINTAIN 10-FT CLEARANCE FROM ALL EXHAUST AND VENTS

EUH-01 WALL MOUNT 8-FT A.F.F. AIM LOUVERS DOWNWARD TOWARDS FLOOR

EWH-03 - MOUNT HEATER 8-INCHES A.F.F.

REFER TO SHEET SWM1.1 FOR CONTINUATION

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INCREASE 8"Ø EXHAUST TO 10"Ø

