**VAV TERMINAL UNIT WITH HOT WATER REHEAT COIL**

**LINED DISCHARGE DUCT, SEE PLANS FOR SIZE**

**ACCESS DOOR**

**TYPICAL VAV BOX**

**SEE TERMINAL UNIT INLET CONDITIONS DIAGRAM FOR INLET REQUIREMENTS**

**TYPICAL SUPPLY DUCT**

**ISOLATION VALVE**

**MANUAL AIR VENT**

**3-HOSE END**

**DRAIN VALVE**

**2-WAY MODULATING CONTROL VALVE**

**MINIMUM 24" SERVICE CLEARANCE IN FRONT OF CONTROLLER**

**NOTES:**

1. INSTALL TERMINAL UNIT WITHIN 2'-0" OF FINISHED CEILING FOR ACCESS.

2. SAME CLEARANCE AND INLET REQUIREMENTS APPLY FOR TERMINAL UNITS WITHOUT HEAT.

**CEILING DIFFUSER INSTALLATION**

**DIFFUSER / REGISTER**

**INSULATED SQUARE TO ROUND ADAPTER**

**WHERE REQUIRED**

**EQUAL TO OR GREATER THAN DIAMETER OF FLEXIBLE DUCT**

**MAXIMUM 6'-0" LONG FLEXIBLE DUCT (TYP.)**

**STAINLESS STEEL BAND OR NYLON STRAP (TYP.)**

**MIN 3" WIDE SHEET METAL STRAP**

**NOTES:**

1. EXHAUST AIR REGISTERS SIMILAR WITH RIGID DUCT IN LIEU OF FLEX.

2. FOR CEILING SPACES WITHOUT CLEARANCE FOR PROPER BEND AT FLEX DUCT, PROVIDE FULL SIZE INSULATED SHEET METAL ELBOW WITH TURNING VANES FOR SIDE CONNECTION TO DUCTWORK.

**DIFFUSER, GRILLE AND REGISTER SCHEDULE**

<table>
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<tr>
<th>TAG</th>
<th>MODEL</th>
<th>DESCRIPTION</th>
<th>CONSTRUCTION</th>
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**FACTORY FABRICATED DIFFUSER: SIZE AND AIR QUANTITY**

**NOTES:**

1. FLEXIBLE ELBOWS COMPATIBLE WITH CEILING TILES.

2. REGISTER SPREADS TO MATCH SIDES OF DIFFUSER. FOR MODERN AND CONTEMPORARY DIFFUSER CODE, SEE SCHEMES.
DEMOLITION NOTES:

1. REMOVE EXISTING VAV BOX AND SAVE FOR REUSE. DEMO, REMOVE AND DISPOSE OF EXISTING INLET DUCTWORK, DISCHARGE DUCTWORK, AND SUPPLY AIR GRILLES.
2. EXISTING AIR BOX AND DUCTWORK TO REMAIN AS-IS.
3. DEMO EXISTING SUPPLY AIR DIFFUSER AND BRANCH DUCTWORK.
4. EXISTING SUPPLY AIR CONTINUES.
5. DEMO EXISTING EXHAUST DUCT AND EXHAUST AIR GRILLE. CAP EXHAUST DUCT AIR TIGHT AT MAIN.
6. EXISTING RESTROOM TO REMAIN AS-IS.
7. EXISTING EXHAUST DUCT AT ITS EXHAUST FAN DISCONNECT TO REMAIN AS-IS.
8. EXISTING EXHAUST DUCT AND EXHAUST AIR GRILLE TO REMAIN AS-IS.
9. EXISTING EXHAUST FAN TO REMAIN.
10. EXISTING TRANSFER DUCT TO REMAIN AS-IS.
11. EXISTING TEMPERATURE SENSOR TO BE RELOCATED. REFER TO SHEET M1.01 FOR LOCATION.
WORK NOTES:

1. EXISTING SUPPLY AIR DUCT CONTINUED.
2. RELocate EXISTING VAV BOX TO THIS LOCATION. RECONNECT EXISTING INLET DUCTWORK AND PIPING AS REQUIRED.
3. CONNECT NEW 8" Ø S.A. TO EXISTING AND ROUTE TO SUPPLY AIR DIFFUSER AS SHOWN.
4. CONNECT 6"x6" E.A. TO EXISTING AT THIS LOCATION.
5. MECHANICAL CONTRACTOR TO VERIFY IF EXISTING CO DETECTOR IS IN PROPER WORKING CONDITION. IF NOT, REPLACE WITH LIKE.
6. PROVIDE 22x10 SOUND BOOT.
7. CONNECT NEW SUPPLY AIR DUCT TO EXISTING VAV BOX AT THIS LOCATION.
8. CONNECT EXISTING SUPPLY AIR DUCT TO EXISTING VAV BOX AT THIS LOCATION.
9. EXISTING TRANSFER DUCT TO REMAIN AS IS.
10. EXISTING EXHAUST FAN TO REMAIN AS IS.
11. EXISTING TRANSFER DUCT TO DISCHARGE INTO RETURN PLENUM.