1. Maximum flex duct length shall be as follows: 36" to diffuser.
2. Flex ducts shall be attached with stainless steel worm gear drive drawbands. Use mastic to cover exposed fiberglass insulation.
3. Unless otherwise noted, all ductwork shall be wrapped with insulation as specified. Duct liner in lieu of duct wrap is not acceptable.
4. Minimum length of straight duct upstream shall be 18" or five (5) duct diameters, whichever is greater. Straight duct shall be same size as air terminal unit inlet.
5. Reheat coil valve must be installed with 18" of actuator and velocity controller.
6. Air terminal unit and valving to be installed in such manner so as to allow for unobstructed access from ceiling tile or access door.

SINGLE DUCT AIR TERMINAL
UNIT AND CEILING DIFFUSER

**KEY NOTES**

- Control valve furnished by UNL, installed by contractor.
- Manual air vent.
- Automatic flow control valve.
- Duct main, see plan for size.
- Round spiral duct, see plans for size and orientation.
- Access panel located on bottom of air terminal unit.
- Air terminal unit, see mechanical equipment schedule.
- Reheat coil, see note 5.
- Transition, if required.
- Seal longitudinal joints with mastic. See specifications for transverse joints.
- Rectangular duct, 1.0" pressure class.
- 45 degree side take-off fitting FlexMaster ST0 or equivalent.
- Manual balancing damper with stand-off bracket, through shaft and quadrant handle.
- Flexible duct, 5'-0" minimum between air terminal unit outlet and first diffuser take-off.
- Round longitudinal lock seam duct, see plans for size.
- Elbows(s), if required. Adjustable type, seal with mastic after installation.
- Diffuser, see plans for CFM and neck size.
- Use adjustable elbows for all changes of direction. Flex duct is not acceptable.
- Spiralmate joints on supply air ducts up stream of terminal unit.
- See note 4.
- See specifications for transverse joints.
- Lo-loss 45 degree take-off fitting or side take-off fitting (rectangular main) seal saddle joint to existing duct w/ mastic.
- Strainer w/ blow down valve and cap.
- Pressure & temperature tap (typ.).
- Union (typ.).
- Manual air vent.
- Manual air vent.
- Control valve furnished by UNL, installed by contractor.
- Automatic flow control valve.
- Duct main, see plan for size.