

Dallas Green Building Program Notes - New Construction

All new construction to comply with the City of Dallas Prescriptive Checklist (rev. 09/01/2016).

1 Storm Water:

- 1.1 70% of the non-roof area to have vegetative landscaping, permeable paving, or sloped for water runoff to a permanent filtration feature.

2 Water Usage:

- 2.1 Utilize drip irrigation in all planting beds.
- 2.2 Comply with three (3) of the following five categories:
 - 2.2.1 Lavatory faucets to have a flow rate of 2.0 GPM maximum.
 - 2.2.2 Shower heads to have a flow rate of 2.0 GPM maximum.
 - 2.2.3 Toilets to have an average flush rate of 1.3 GPF maximum, or be dual flush complying with ASME 112.19.14, or be certified and labeled as complying with US EPA Water Sense.
 - 2.2.4 Dishwasher to be Energy Star labeled and use 6 gal. per cycle maximum.
 - 2.2.5 Clothes washers to be Energy Star labeled and have a modified energy factor of 2.0 minimum and water factor of 5 maximum.

3 Energy Efficiency:

- 3.1 Complies with the minimum provisions of the 2015 IECC

4 Heat Island Mitigation:

- 4.1 Install one of the following four (4) options:
 - 4.1.1 Roofing materials shall be Energy Star qualified on slopes greater >2:12.
 - 4.1.2 A vegetative roof subject to approval by the Building Official.
 - 4.1.3 A radiant barrier installed according to the manufacturer's instructions.
 - 4.1.4 A foam encapsulated attic of minimum R-22 installed according to the manufacturer's instructions.

5 Indoor Air Quality:

- 5.1 HVAC and duct work to be located outside of the fire rated garage envelope.
- 5.2 Minimize pollutants in conditioned space above garage.
 - 5.2.1 Penetrations sealed.
 - 5.2.2 Floor and ceiling joist bays sealed.
 - 5.2.3 Painted walls and ceiling of conditioned space.
- 5.3 Minimize pollutants in conditioned space adjacent to garage.
 - 5.3.1 Penetrations sealed.
 - 5.3.2 Doors weatherstripped.
 - 5.3.3 Cracks at wall base sealed.
- 5.4 Air filters to be MERV 8 minimum.
- 5.5 Air handler(s) to be sized to maintain pressure and airflow.
- 5.6 Air filter housing to be airtight.