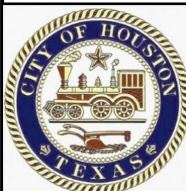


- 1 Wood Studs: Nominal 2" X 4" solid sawn wood studs, 24" o.c. max, with two top plates and a single bottom plate.
- 2 Insulation: R13 fiber glass batt insulation.
- 3 Gypsum Wallboard: 5/8" Type X gypsum wallboard 48" wide, oriented vertically and fastened with 1-3/4" long cup-head gypsum nails, spaced 7" on center at board edges and in field areas, or 1-1/2" Type S drywall screws, spaced 8" o.c. at board edges and in field areas of boards. The joints and nail heads require treatment consisting of joint compound followed by joint tape and a second layer of joint compound.
- 4 Gypsum Sheathing: 5/8" Type X gypsum sheathing fastened with 1-3/4" long roofing nails spaced 7" o.c. in the field and 4" o.c. along the perimeter. Sheathing edge joints shall be staggered from those on opposite sides of the wall.
- 5 Fiber-Cement Exterior Siding: 5/16" thick Fiber-Cement lap siding, applied horizontally with a 1-1/4" headlap and fastened with a single 6d corrosion resistant common nail driven through the lapped planks at each stud location.
- 6 Grade Beam: Concrete shall have a minimum compressive strength of 2500 psi at 28 days.
- 7 Fire Rated Exterior Cement Board: 1/2" or 5/8" to match gypsum sheathing in (4). Fasten with 6d nails spaced 6" o.c. along the perimeter & 12" o.c. in the field.
- 8 Wood Joists closer than 18" or wood girders closer than 12" to the exposed ground shall be treated as per section R317 of the Residential Code.
- 9 Install wind strapping to provide continuous ties from the roof to the foundation system as per Appendix L of the City of Houston Residential Code.



STANDARD DRAWING

CITY OF HOUSTON
HOUSTON PUBLIC WORKS
BUILDING CODE ENFORCEMENT

**1 HOUR FIRE-RATED EXTERIOR WALL
FOR BLOCK & BASE FOUNDATIONS
(SUB-FLOOR KNEE WALL)**

1002 WASHINGTON AVE., HOUSTON, TEXAS 77002

APPROVED BY:

BUILDING OFFICIAL

DATE:

11 / 15 / 2022

DWG No:

22-04-R

Rev. 1

1 of 1