TABLE

VERTICAL REINFORCEMENT REQUIRED FOR BASEMENT WALLS SUBJECTED TO NO MORE SOIL PRESSURE THAN WOULD BE EXERTED BY AN EQUIVALENT FLUID HAVING A WEIGHT OF 35 POUNDS PER CUBIC FOOT

MATERIAL TYPE	DISTANCE OF WALL TO GROUND SURFACE	MINIMUM[1] WALL THICKNESS IN INCHES[4]	REQUIRED REINFORCING	
			VERTICAL WALL SPAN	REQUIRED VERTICAL REINFORCING
CONCRETE OR SOLID MASONRY	6' OR MORE	8"	8'-8" OR LESS	NO.5 @ 40"
			9'-0" OR LESS	NO.5 @ 48"
		10"	8'-0" OR LESS	NO.5 @ 48"
			9'-0" OR LESS	NO.5 @ 56"
		12"	8'-0" OR LESS	NO.5 @ 56"
			9'-0" OR LESS	NO.5 @ 64"
	8' OR MORE	8"	8'-8" OR LESS	NO.5 @ 48"
			9'-0" OR LESS	NO.5 @ 56"
		10"	8'-8" OR LESS	NO.5 @ 64"
		12"	8'-8" OR LESS	NO.5 @ 64"
	24' OR MORE	8' OR MORE	8'-8" OR LESS	NO.5 @ 64"
	48' OR MORE	8' OR MORE	8'-8" OR LESS	NONE REQUIRED

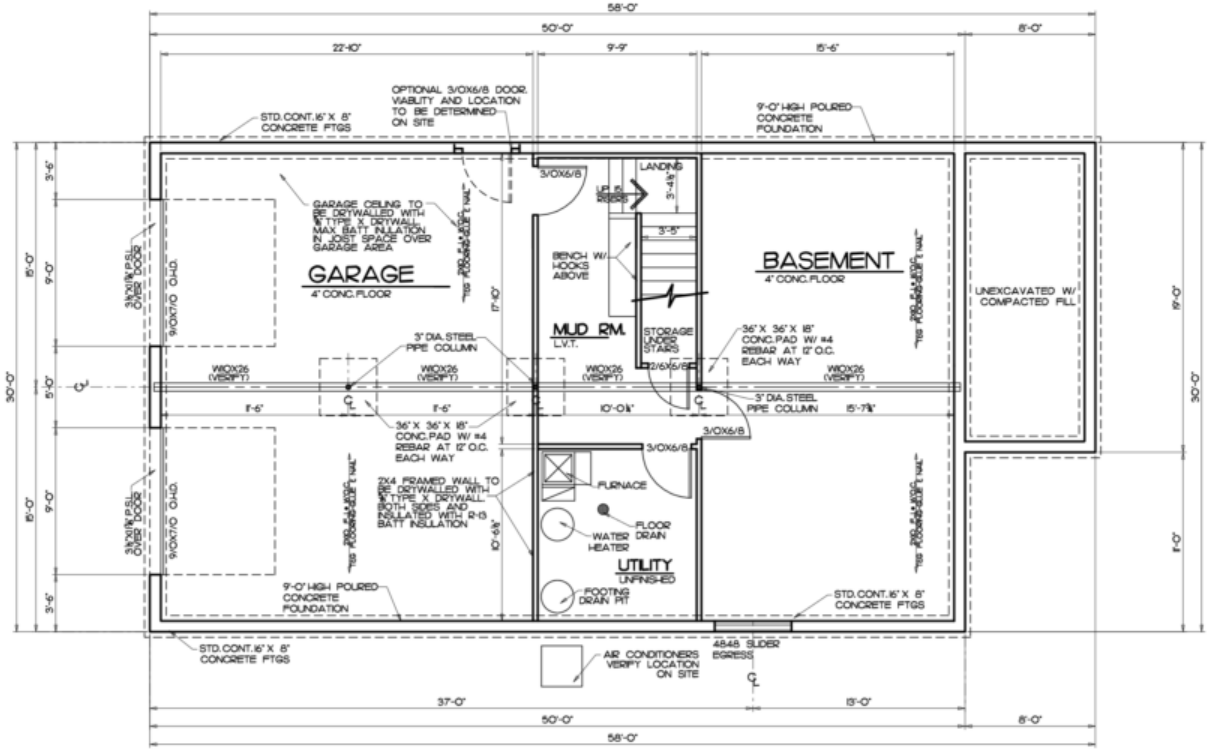
1. APPLIES TO HOLLOW UNIT MASONRY OR TO SOLID CONCRETE WALLS.

2. THE TABLE APPLIES TO TYPICAL BASEMENT WALLS IN THOSE CASES WHERE THE GROUND LINE AT THE OUTSIDE FACE OF THE WALL IS ABOVE THE BASEMENT FLOOR SLAB. THE DISTANCE GIVEN IS TO BE MEASURED FROM THE WALL TOP DOWNWARD TO THE GROUND SURFACE ELEVATION AFTER FINAL GRADING.

3. THE THICKNESSES GIVEN ARE NOMINAL. THE ACTUAL WALL THICKNESS MAY BE THREE-EIGHTHS INCH LESS THAN NOMINAL.

4. THE TABLE APPLIES ONLY TO WALLS WHICH SPAN VERTICALLY BETWEEN LEVELS AT WHICH RESISTANCE TO LATERAL MOVEMENT IS PROVIDED. IN THE CASE OF A TYPICAL BASEMENT WALL, THE RESISTANCE SHALL BE PROVIDED BY A FLOOR SLAB AT THE BASE FOR THE WALL AND BY ADEQUATELY ANCHORED FLOOR FRAMING AT THE TOP.

5. THE SIZE AND SPACING GIVEN IS BASED ON THE USE OF GRADE 60 REINFORCING BARS PLACED NOT MORE THAN SIX INCHES OR LESS THAN ONE INCH FROM THE INSIDE FACE OF THE WALL (THE SIDE OPPOSITE THE EARTH).



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

NOTE: SIZE, SPACING, SPECIES & LOCATION OF ALL STRUCTURAL MEMBERS IS TO BE VERIFIED BY CONTRACTOR.

NOTE AIR CONDITIONER LOCATION DETERMINED ON JOBSITE W/ HVAC CONTRACTOR

CUSTOM GARAGE
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RESIDENTIAL PLANS

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