

REQUIRED SUMP PIT & PUMP
 RT12.3.2 SUMP PIT
 FIELD VERIFY LOCATION

FOOTER / POURED WALL NOTES

CONCRETE REINFORCEMENT

WALL TO FOOTER FINING-
 #4 HOOKED BAR 6FT O.C. MIN.
 SEE PG. 8 TYP. WALL SECTION.

#4 HORIZONTAL BAR REQUIRED WITHIN 12"
 OF TOP OF WALL AND ANOTHER HORIZONTAL
 ROW AT THE MID SECTION OF WALL.

BASEMENT WALL AT PORCH LOCATION
 REQUIRES #6 BAR 28" O.C.

POST PADS:
 36"x36"x12" PAD REINFORCED WITH
 4 #4 BAR GRID BOTH VERT. & HORZ. TYP.

STRUCTURAL STEEL COLUMNS

ALL COLUMNS TO BE AFCO MODEL 4X.
 SEE BELOW:

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TABLE 2—CONCENTRIC AXIAL COMPRESSION ALLOWABLE LOAD AND DESIGN STRENGTH CAPACITIES OF ZIP ADJUSTABLE COLUMNS (kN)

HEIGHT	3X		35		4X		34		36	
	Allowable Load (for ASD)	Design Strength (for LRFD)	Allowable Load (for ASD)	Design Strength (for LRFD)	Allowable Load (for ASD)	Design Strength (for LRFD)	Allowable Load (for ASD)	Design Strength (for LRFD)	Allowable Load (for ASD)	Design Strength (for LRFD)
6'0" - 6'4"	12,160	19,455	15,245	24,395	18,255	29,210	25,580	40,905	31,080	49,695
6'3" - 6'7"	11,825	19,080	15,030	24,050	18,060	28,900	25,580	40,905	31,080	49,695
6'6" - 6'10"	11,685	18,695	14,810	23,695	17,860	28,575	25,580	40,905	31,080	49,695
6'9" - 7'1"	11,440	18,305	14,585	23,335	17,655	28,245	25,580	40,905	31,080	49,695
7'0" - 7'4"	11,195	17,910	14,355	22,970	17,440	27,905	25,580	40,905	31,080	49,695
7'3" - 7'7"	10,945	17,510	14,125	22,595	17,225	27,560	25,580	40,905	31,080	49,695
7'6" - 7'10"	10,690	17,105	13,885	22,215	17,005	27,210	25,580	40,905	31,080	49,695
7'9" - 8'1"	10,440	16,700	13,645	21,830	16,780	26,850	25,580	40,905	31,080	49,695
8'0" - 8'4"	10,180	16,290	13,400	21,440	16,550	26,490	25,580	40,905	31,080	49,695
8'3" - 8'7"	9,925	15,875	13,150	21,040	16,320	26,110	25,580	40,905	31,080	49,695
8'6" - 8'10"	9,665	15,465	12,900	20,645	16,085	25,730	25,580	40,905	31,080	49,695
8'9" - 9'1"	9,405	15,050	12,650	20,240	15,845	25,350	25,580	40,905	31,080	49,695
9'0" - 9'4"	9,150	14,635	12,395	19,835	15,600	24,960	25,315	40,505	31,080	49,695
9'3" - 9'7"	8,890	14,220	12,140	19,425	15,355	24,570	24,550	39,280	31,080	49,695
9'6" - 9'10"	8,630	13,810	11,885	19,015	15,110	24,175	23,790	38,060	31,080	49,695
9'9" - 10'1"	8,375	13,400	11,625	18,600	14,860	23,775	23,035	36,850	31,080	49,695
10'0" - 10'4"	8,120	12,990	11,370	18,190	14,610	23,375	22,280	35,650	31,080	49,695

For Sfr: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 kN = 4.4 kN.
 Note: LRFD Design Strength must be compared to factored loads.

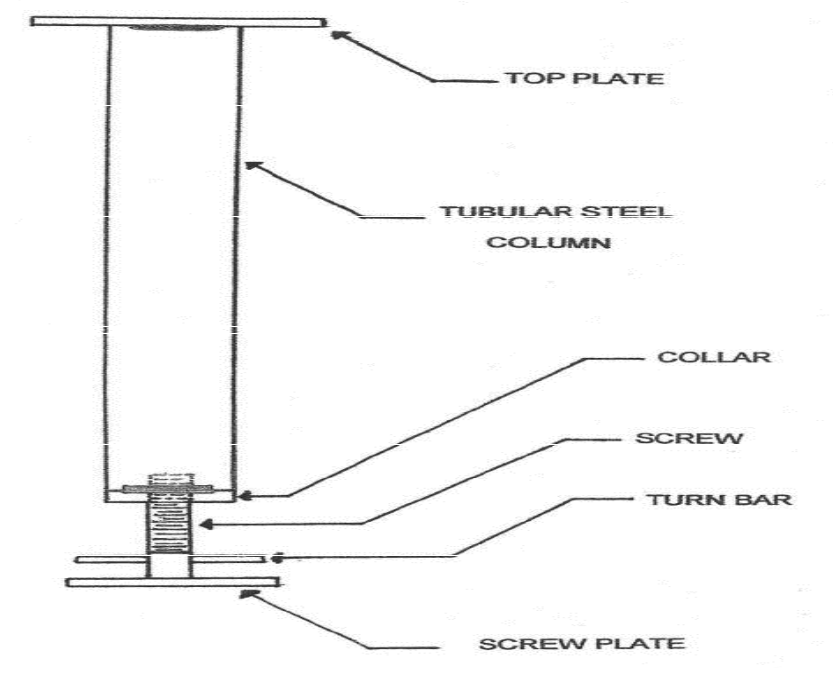
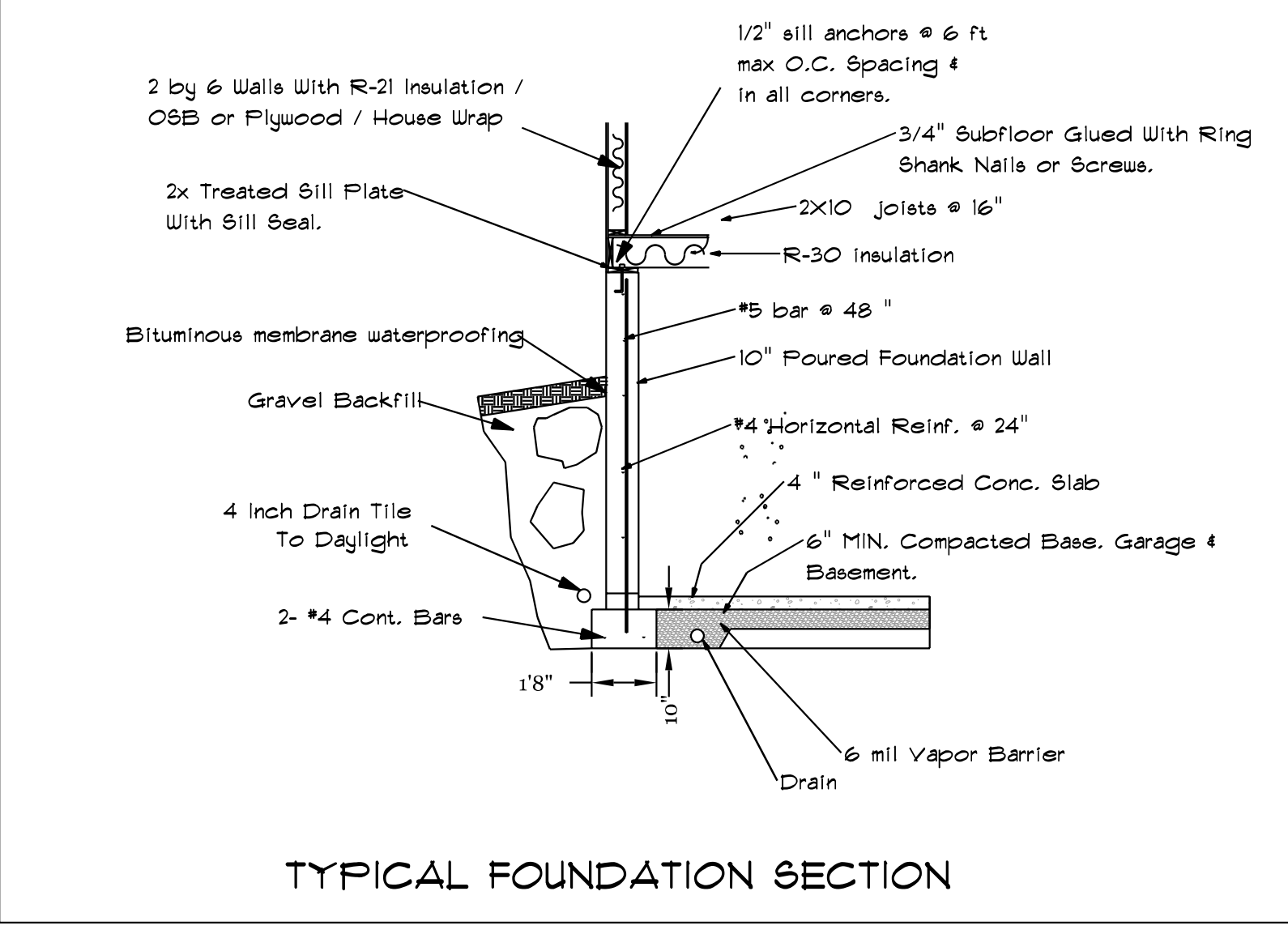


FIGURE 1—ZIP® ADJUSTABLE COLUMN

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POURED WALL REQUIRES VERTICAL #6 BAR 28" O.C. AT PORCH AREAS.



CONCRETE SLABS

BASEMENT FLOOR: 2,300 FT²
 @ 4" THICK 28.5 YD³

GARAGE: 480 FT²
 @ 4" THICK 6 YD³

PORCH: 54 FT²
 @ 4" .7 YD³

CLIMATE AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD: 50 PSF
 WIND SPEED: 115 MPH
 SEISMIC DESIGN: CATEGORY B

STEPPED FOOTING

JUMP FOOTING: SEE SECTION C JUMP FOOTING

1809.3 Stepped Footings

The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope).

FOUNDATION NOTES:

All Dimensions are to face of concrete wall.
 Main Foundation Walls are 10" x 8" Poured Reinforced Concrete Garage & Porch Walls are 8" Poured Reinforced Concrete Walls 42" Below Grade or According to Local Codes.
 10" Main Wall Footing Are to be 20"x10" Reinforced Concrete 8" Wall Footing are to be 16"x8" Reinforced Concrete.
 Top of Basement Slab to be 1'-8" Below Top Of Poured Concrete Wall.
 See Wall Sections For More Details.
 1st Floor Stick Frame Wall Sheathing Will Be Flush With Foundation Exterior Face.
 Post Pads are to be 36"x36"x12" Rebar Reinforced

NOTE:
 All 2x10 Joists to be DF #1 or #2, SYP #1 or HF #1

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FOUNDATION PLAN

1/4" = 1'-0"