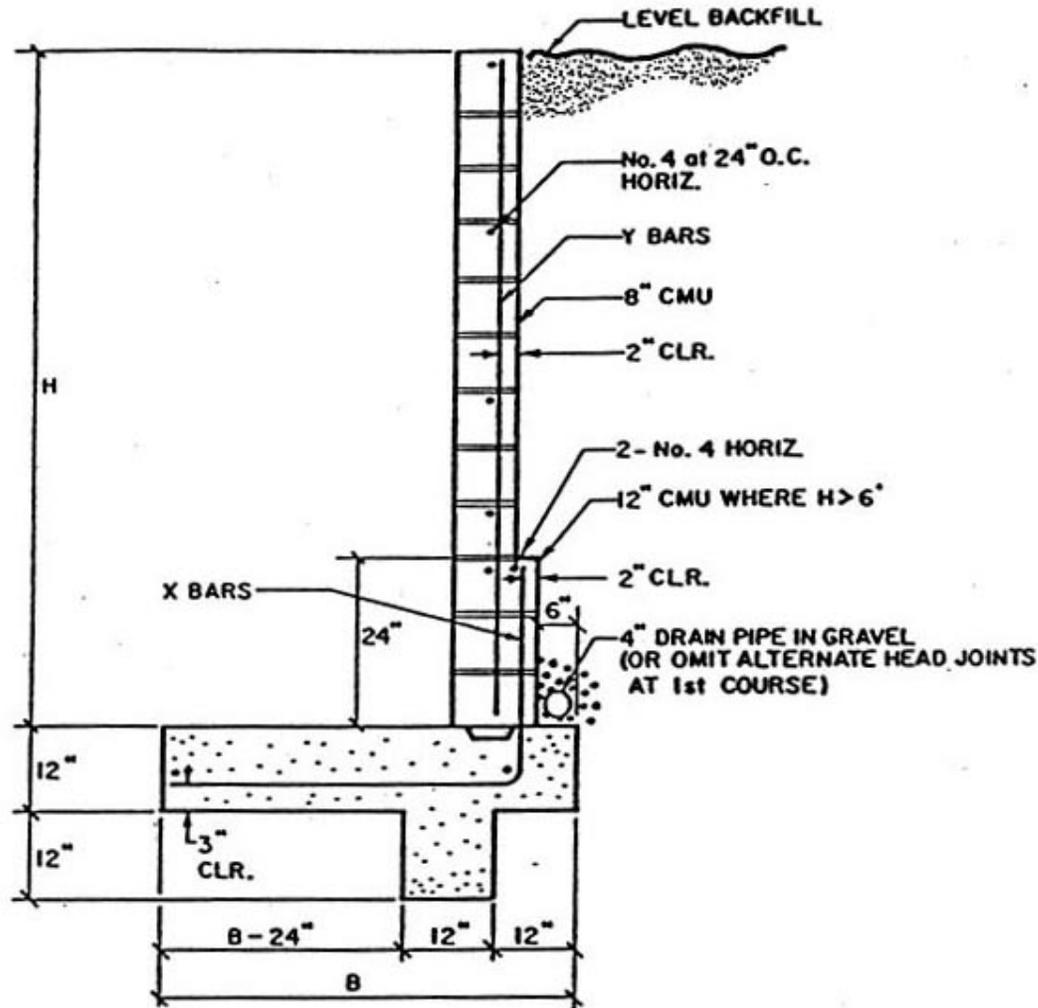


Site Wall Designs

Concrete Block Retaining Wall (J-Type)



NOTES: (Masonry)

1. Spacing of Y bars may be increased in upper portion of wall in accordance with the table
2. Lap spliced bars 24 inches minimum
3. Do not backfill until design strength has been obtained unless sufficient shoring is used
4. Details might not be suitable for all soil conditions. Building official may require a soil report and design by a licensed professional where appropriate
5. Assumed soil conditions: EFP - 35, passive pressure - 300 PSF, Coef. Of friction - 0.35, soil bearing capacity - 1000 PSF
6. All cells to be solid grouted
7. Hook Y bars into footing where H is 6' - 0" or less in height (Similar to method shown for X bars)

8. Key at bottom of footing may be omitted where "H" dimension is 4' - 0" or less

SPECIFICATIONS

- Concrete block shall be ASTM C90, Grade N-1
- Mortar shall be ASTM C270, Type S, one part Portland cement, ½ part lime putty, 4 ½ parts sand.
- Grout shall be one part Portland cement, 3 part sand, 2 parts pea gravel.
- Reinforcement shall be ASTM 615, grade 40 minimum

| H | B | X Bars | Y Bars |
|----------|----------|---------------|---------------|
| 3' - 4" | 2' - 0" | See Note 7 | #4 @ 24" o.c. |
| 4' - 0" | 2' - 4" | See Note 7 | #4 @ 24" o.c. |
| 4' - 8" | 2' - 9" | See Note 7 | #4 @ 24" o.c. |
| 5' - 4" | 3' - 2" | See Note 7 | #4 @ 16" o.c. |
| 6' - 0" | 3' - 6" | See Note 7 | #4 @ 8" o.c. |