

- THIS DETAIL SHALL APPLY TO WALLS 6'-0" OR LESS IN HEIGHT.
- SEPARATE APPROVAL BY THE PLANNING DEPARTMENT IS REQUIRED.
- SEPARATE APPROVAL BY THE STORMWATER DEPARTMENT IS REQUIRED.
- INDICATE DRAIN BLOCKS AT FINISH GRADE, AS REQUIRED, ON FINAL PLANS.

- THE CITY OF SCOTTSDALE MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY OR LIABILITY IN PROVIDING THIS STANDARD DETAIL. OWNERS/APPLICANTS AND PROFESSIONALS USING THIS DETAIL SHALL ASSUME FULL RESPONSIBILITY FOR ITS DESIGN.
- OWNERS/APPLICANTS ARE ENCOURAGED TO CONSULT WITH A PROFESSIONAL ENGINEER OR ARCHITECT LICENSED BY THE STATE OF ARIZONA REGARDING THE NEEDS FOR THEIR PROJECT. AN ENGINEER OR ARCHITECT LICENSED BY THE STATE OF ARIZONA COULD DETERMINE DIFFERENT DETAILS OR SPECIFICATIONS.
- OWNER/APPLICANT/BUILDER IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS AT THE FOOTING'S BEARING SURFACE AND IS SOLELY RESPONSIBLE FOR THE PERFORMANCE OF FOOTING.

## 4" MASONRY WALL "DOOLEY WALL"

### MATERIALS

CMU:  $f_m = 1500$  psi  
NORMAL WEIGHT

MORTAR: ASTM TYPE S

GROUT:  $f_c = 2000$  psi

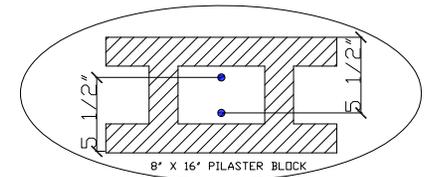
REINFORCING:  $f_y = 40,000$  psi

CONCRETE: 2500 psi

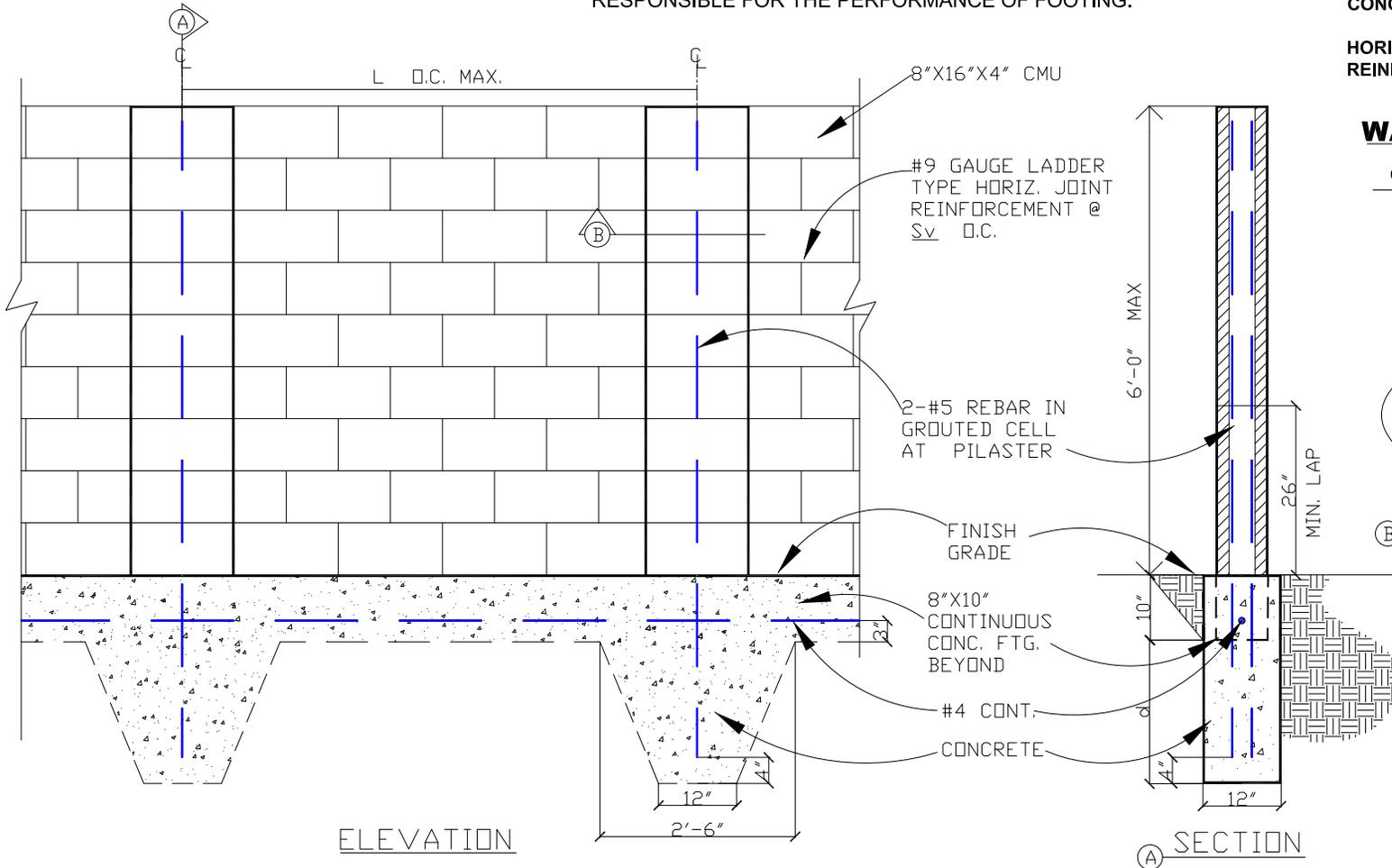
HORIZONTAL JOINT  
REINFORCEMENT:  $f_y = 80,000$  psi

### WALL DESIGN OPTIONS

| OPTION | L     | S <sub>v</sub> | d     |
|--------|-------|----------------|-------|
| A      | 9'-4" | 8"             | 4'    |
| B      | 8'-0" | 16"            | 3'-6" |



(B) CROSS SECTION AT PILASTER



Revised:  
6/1/2009