2/29/88

MANUFACTURED HOME INSTALLATION FOR PERMANENT FOUNDATIONS

(TRANSVERSE FLOORS)

(SUPPLEMENT TO MANUFACTURED HOME INSTALLATION MANUAL)

3/86

SKYLINE

Bringing America home.

NOTE: THIS MANUAL IS INTENDED TO INSTRUCT AND TO ASSIST ALREADY QUALIFIED AND PREFERABLY FACTORY-TRAINED PERSONNEL IN PROPER INSTALLATION OF CARROLLTON MANUFACTURED HOMES. IT IS *NOT* INTENDED TO ENABLE SOMEONE UNFAMILIAR WITH MANUFACTURED HOME INSTALLATION, TO PERFORM THE INSTALLATION.

SETUP SHOULD BE DONE *ONLY* BY QUALIFIED AND PREFERABLY FACTORY TRAINED PEOPLE. WHOEVER DOES THE SETUP SHOULD GUARANTEE THEIR WORK IN WRITING FOR A REASONABLE TIME AND SHOULD, IF NECESSARY, AGREE TO RELEVEL THE HOME WITHIN 90 DAYS AFTER THE INITIAL SETUP.

The technical content of this Installation Manual has been reviewed by Underwriters' Laboratories, Inc. and found to be in accordance with the Federal Manufactured Home Construction and Safety Standard.

REVIEWED BY ENGINEERING DEPT.
ISSUED BY FOLLOW-UP SERVICES DEPT.

APR 2 1985

UNDERWRITERS' LABORATORIES, INC.

GENERAL FOUNDATION CONSTRUCTION

Construct foundations in accordance with the location and general recommendations of Figures 1, 2 or 3 as applicable. Site conditions and local building regulations, however, take precedence over these recommendations.

Install foundation drainage features if required.

Construct all walls in accordance with local building regulations. Provide a minimum light and ventilation area as required by local code.

Note that the indicated foundation and wall construction is for well drained stabilized soils with a minimum bearing value of 3000 psf.

BASEMENT CONSTRUCTION

Install anchor bolts in accordance with column centerline requirements and bolt pattern of column base plates.

Install structural steel columns and beams. Plumb the columns and align the beams. Complete the bolted connections.

Allow sufficient time for the walls to cure. Apply a moisture resistant coating. Backfill and compact the excavation with granular material in 18″ layers maximum.

Anchor sill plates in accordance with Figure 1.

CRAWL SPACE CONSTRUCTION

Allow sufficient time for the walls and piers to cure. Add pea gravel and vapor barrier. Backfill and compact the excavation with granular material in 18″ layers maximum.

Anchor sill plates in accordance with Figure 2 or 3 as applicable.

For 30 psf homes <u>only</u>, install structural steel beams and centerline anchor bolts in accordance with the centerline requirements in Figure 3.

Complete the bolted connections.

INSTALLATION OF THE HOME

Locate the home halves on the foundation, taking care to protect the home from structural distress during movement.

Follow the double wide procedures in the Manufactured Home Installation Manual for alignment, joining, and securing of the halves, and for utility hook-ups.

Complete the rim joist to sill connection in accordance with the nailing and bolting details of Figure 1, 2 or 3.

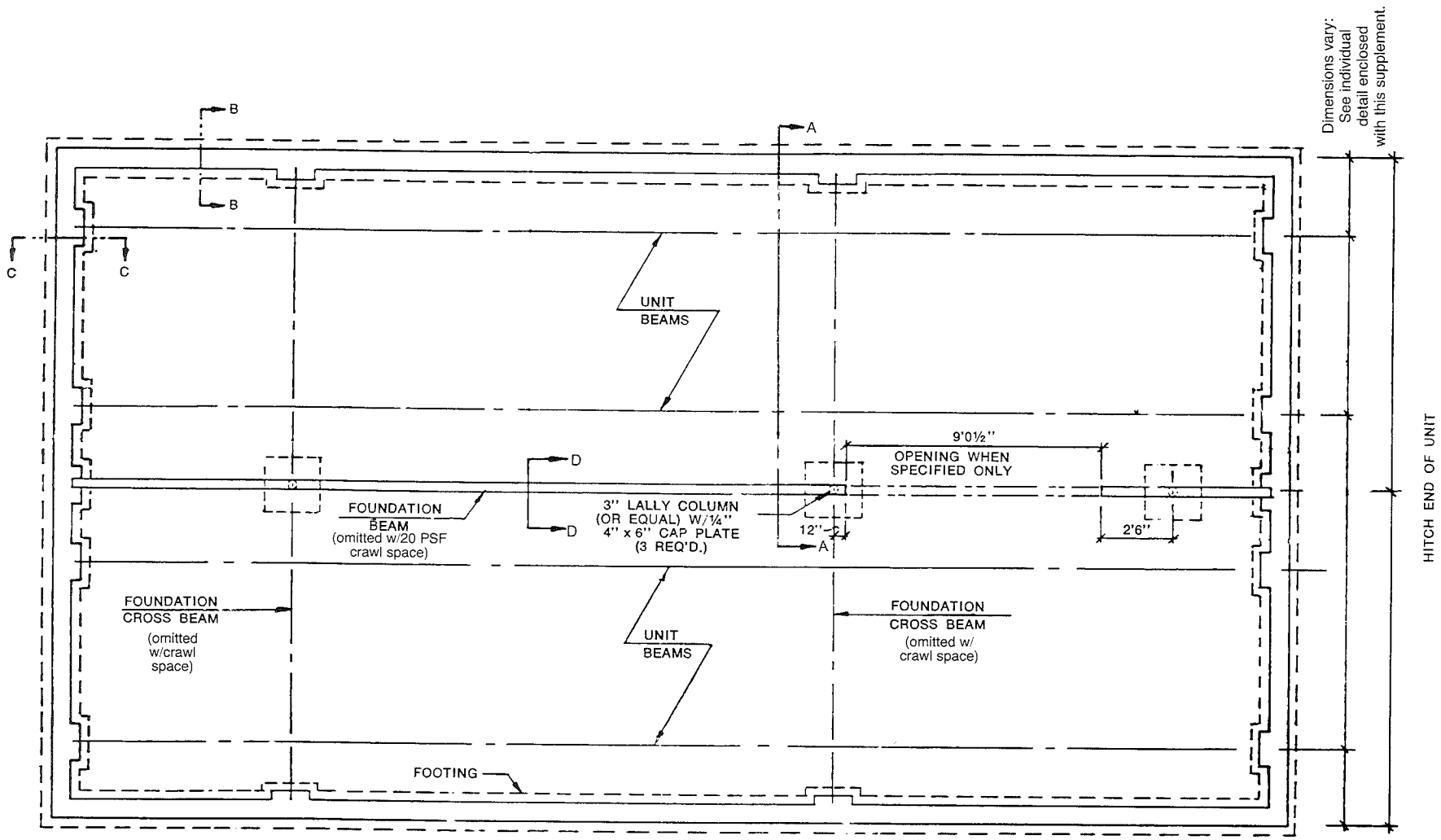
Install the bottom course of closure siding and complete all siding marriage closures in accordance with the double wide instructions of the Manufactured Home Installation Manual.

BASEMENT FLOOR AND STEPS INSTALLATION

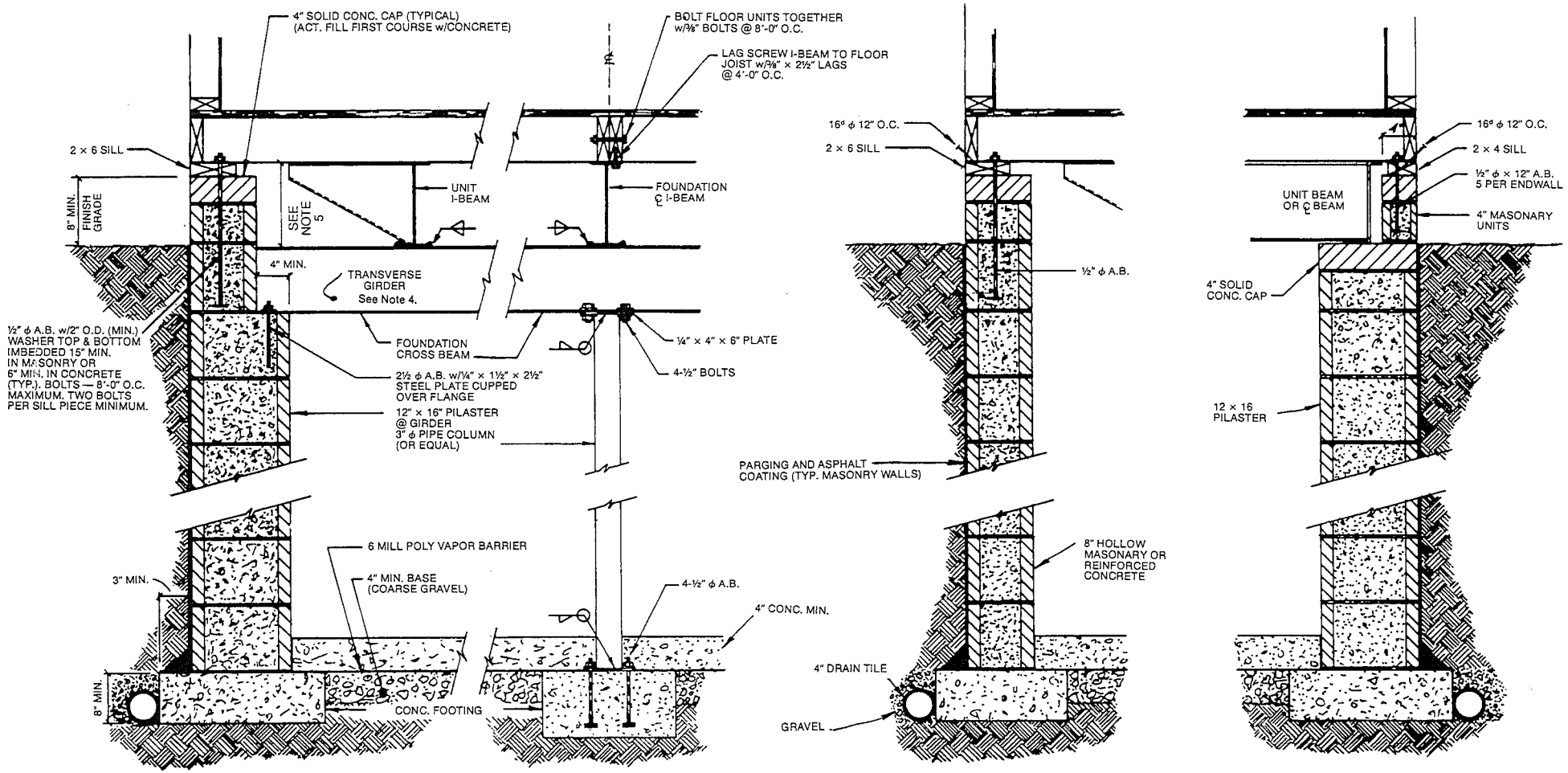
When applicable, cut and remove bottom board from stairwell area as defined by factory precut floor opening. Cut and remove chassis framing from stairwell area as defined by factory precut floor opening.

Construct the basement floor in accordance with local building codes and as site conditions require.

Build and install basement steps as detailed in Figure 4 or otherwise if local codes require.



TYPICAL PERMANENT FOUNDATION LAYOUT



NOTES:

1.) FOOTINGS TO BE DESIGNED TO MEET LOCAL SOIL CONDITIONS AND LOCAL BUILDING CODES

2.) BASEMENT WALL & STAIRWAYS TO BE DESIGNED & CONSTRUCTED TO MEET LOCAL BUILDING CODES

3.) CRAWL SPACE CONSTRUCTION — MINIMUM DISTANCE BETWEEN FIN. GRADE & FLOOR JOISTS IS 18" (12" TO GIRDERS) CRAWL SPACE TO BE VENTILATED AS PER LOCAL CODE. PIERS FOR CRAWL SPACE DESIGN MAY BE 8" CONC. BLOCK.

4.) CENTERLINE BEAM TO BE BOLTED TO FOUNDATION WALL USING METHOD ILLUSTRATED IN SECTION A-A. TRANSVERSE GIRDER TO FOUNDATION WALL.

5.) DIMENSION VARIES WITH CENTERLINE BEAM SIZE. SEE ENCLOSED DRAWING FOR THE BEAM SIZE.

FIGURE 1
TYPICAL BASEMENT FOUNDATION CONSTRUCTION

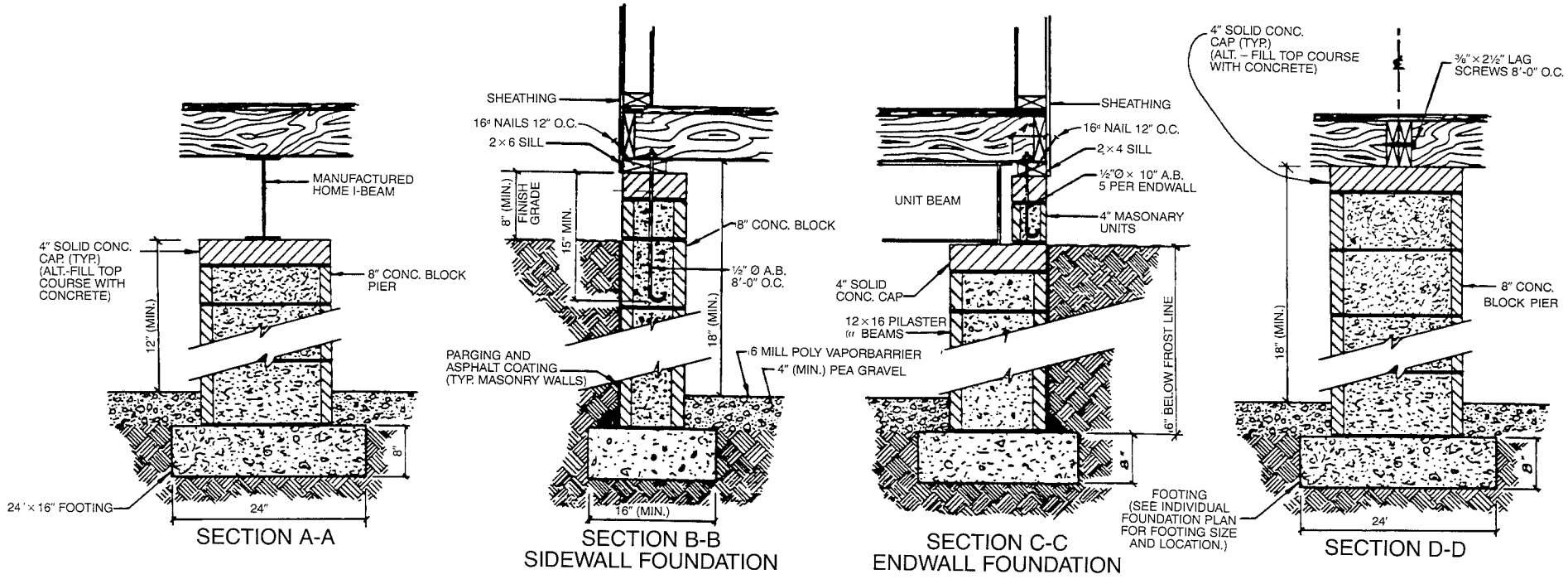


FIGURE 2

TYPICAL 20 PSF CRAWL SPACE

Notes:

1.) FOOTINGS TO BE DESIGNED TO MEET LOCAL SOIL CONDITIONS AND LOCAL BUILDING CODES

2.) CRAWL SPACE TO BE VENTILATED AS PER LOCAL CODE

3.) MINIMUM DISTANCE BETWEEN FINISH GRADE & FLOOR JOISTS IS 18"

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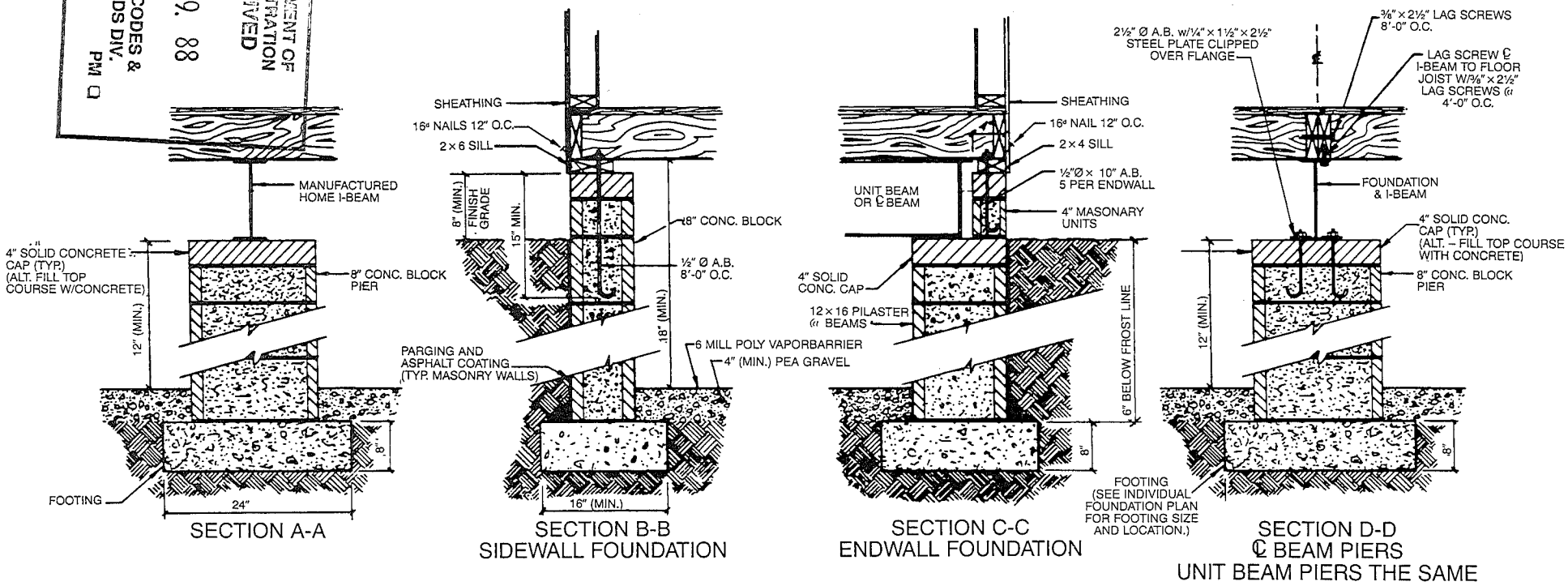

FIGURE 3
TYPICAL 30 PSF CRAWL SPACE

Notes:
1.) FOOTINGS TO BE DESIGNED TO MEET LOCAL SOIL CONDITIONS AND LOCAL BUILDING CODES
2.) CRAWL SPACE TO BE VENTILATED AS PER LOCAL CODE
3.) MINIMUM DISTANCE BETWEEN FINISH GRADE & FLOOR JOISTS IS 18"

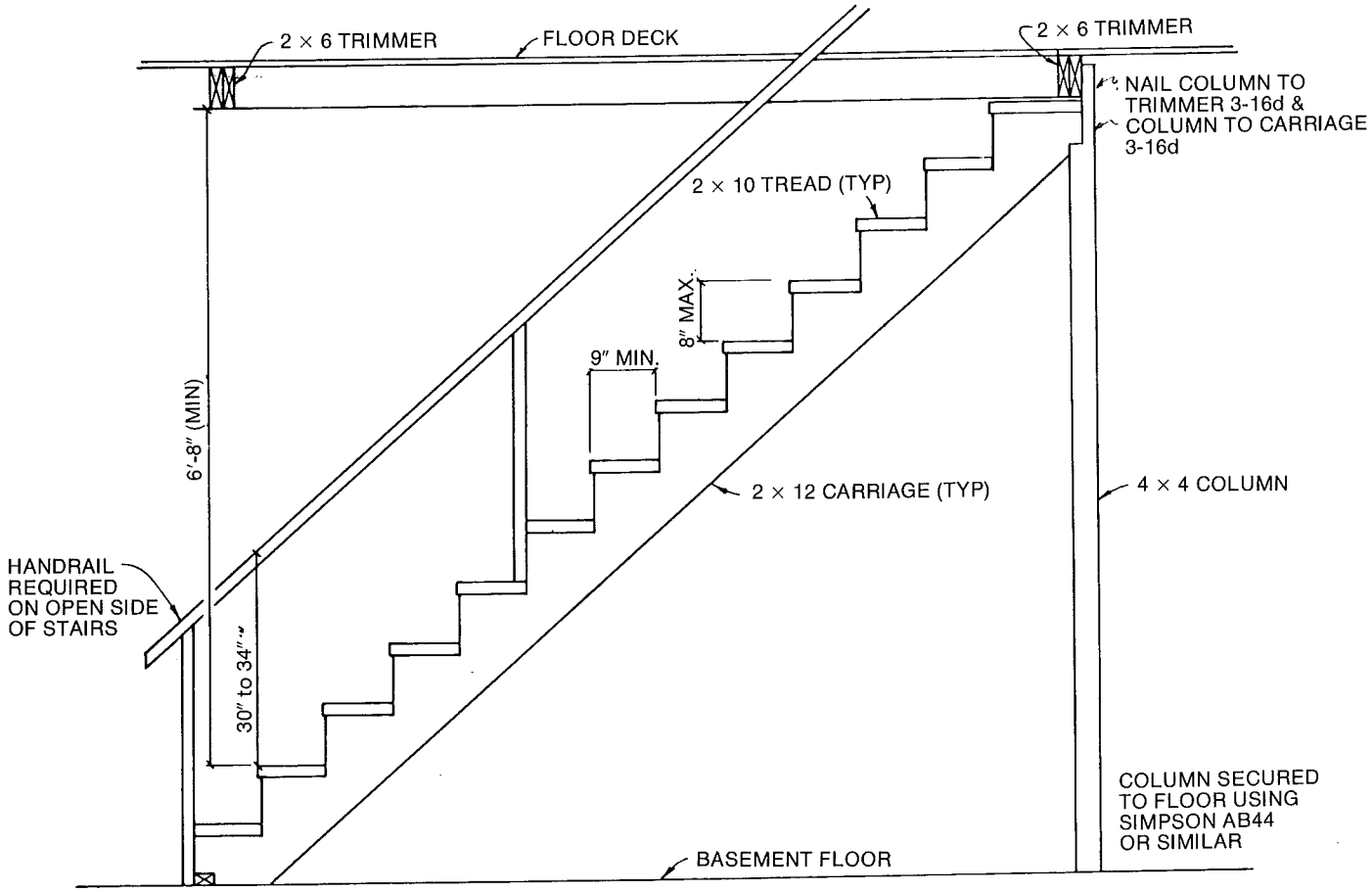

FIGURE 4

TYPICAL STAIR CONSTRUCTION
(USED WHEN STAIR WELL IS FACTORY INSTALLED)

PLAN POCKET

SEE DRAWING ENCLOSED FOR SPECIFIC DETAILS

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