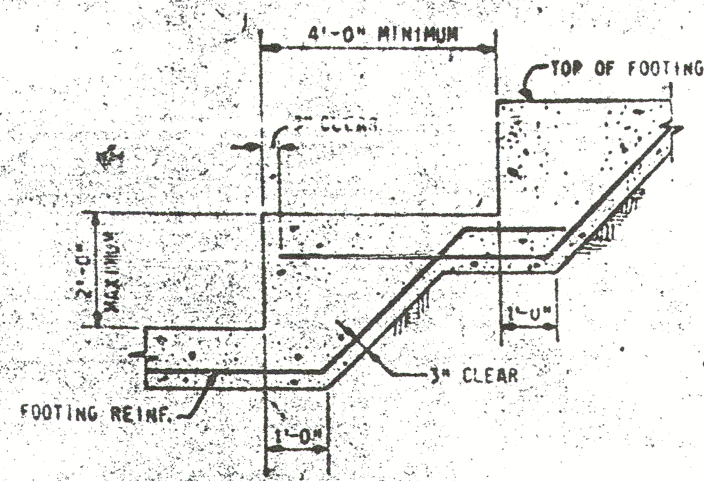
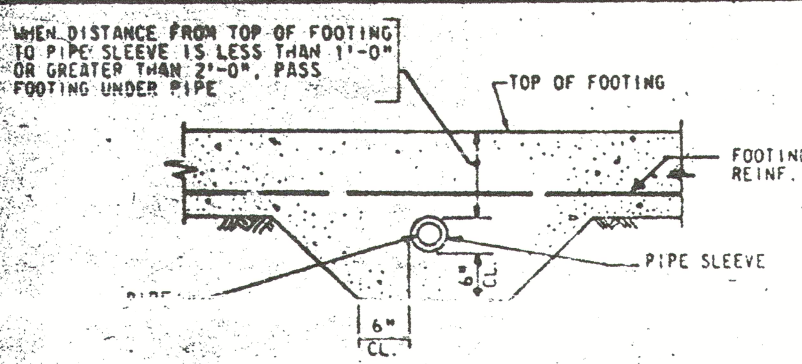
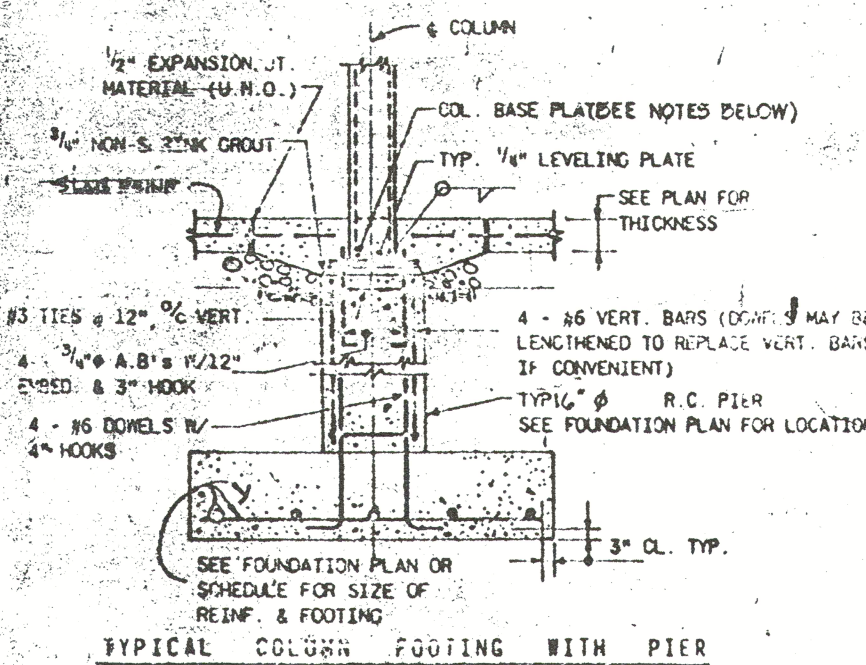




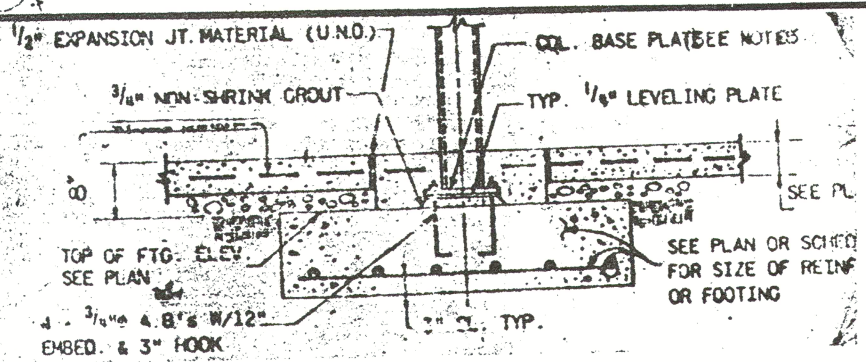
TYPICAL STEPPED FOOTING DETAIL
1/2" = 1'-0"



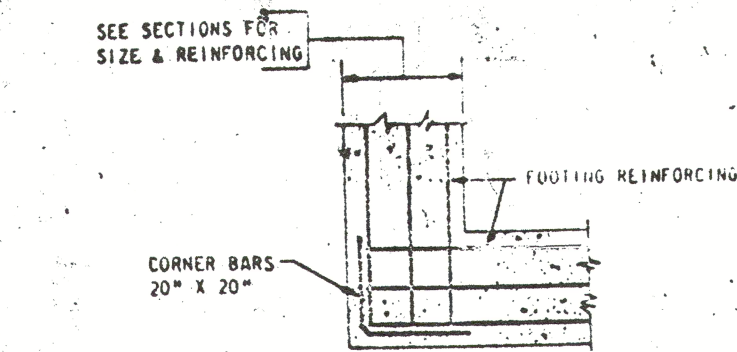
TYPICAL PIPE THRU FOOTING DETAIL
3/4" = 1'-0"



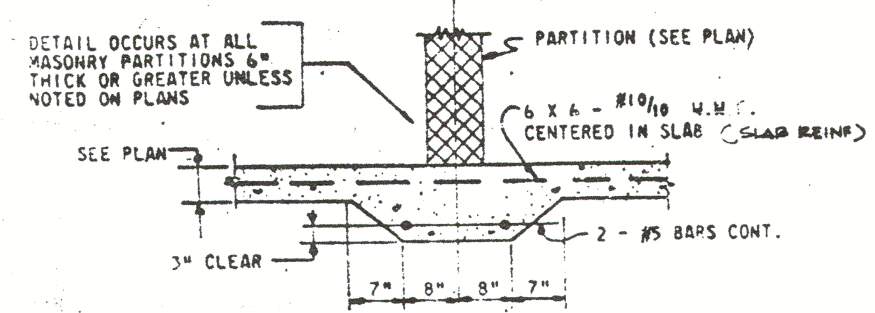
TYPICAL COLUMN FOOTING WITH PIER



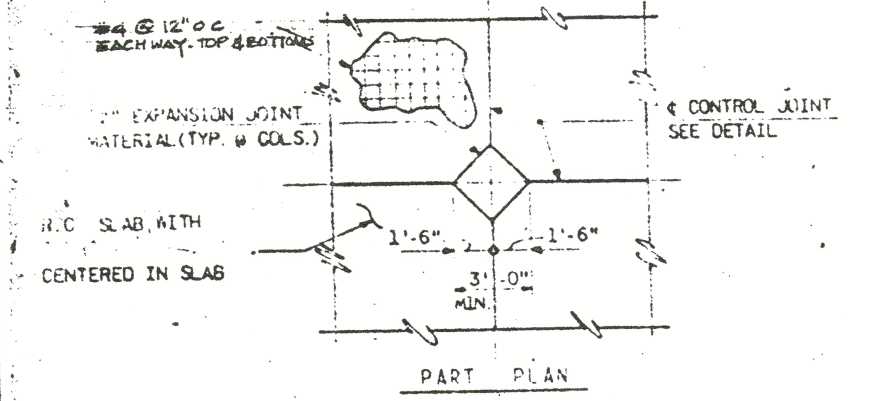
TYPICAL INTERIOR COL. FOOTING



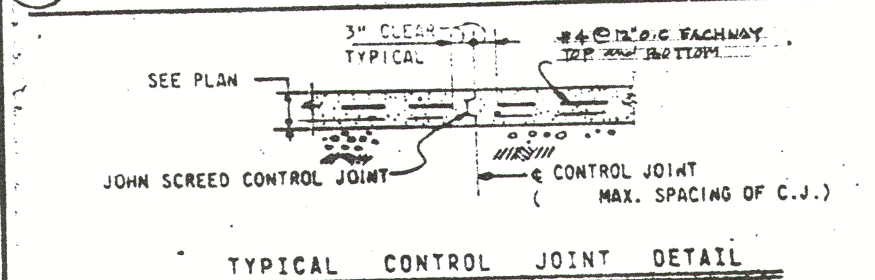
TYPICAL WALL FOOTING CORNER PLAN
1/2" = 1'-0"



TYPICAL THICKENED SLAB FOR NON-LOAD BEARING PARTITIONS
3/4" = 1'-0"

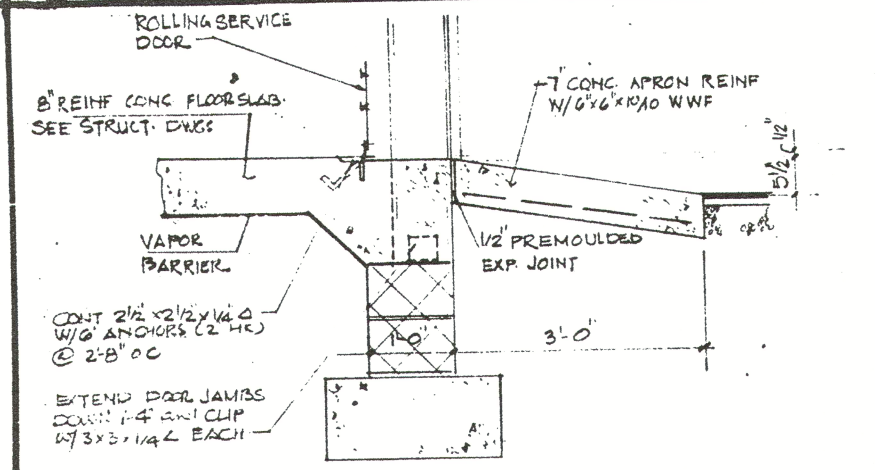


TYPICAL FOR EXPANSION & CONTROL JOINTS & COLUMNS

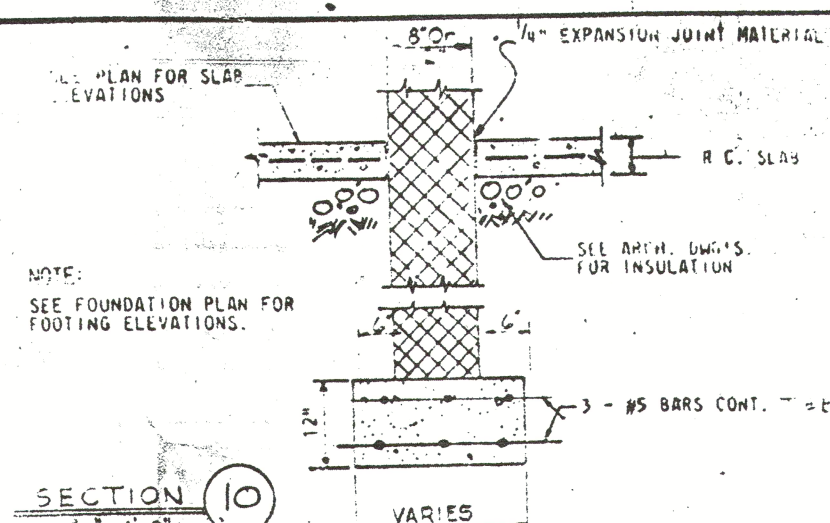


TYPICAL CONTROL JOINT DETAIL

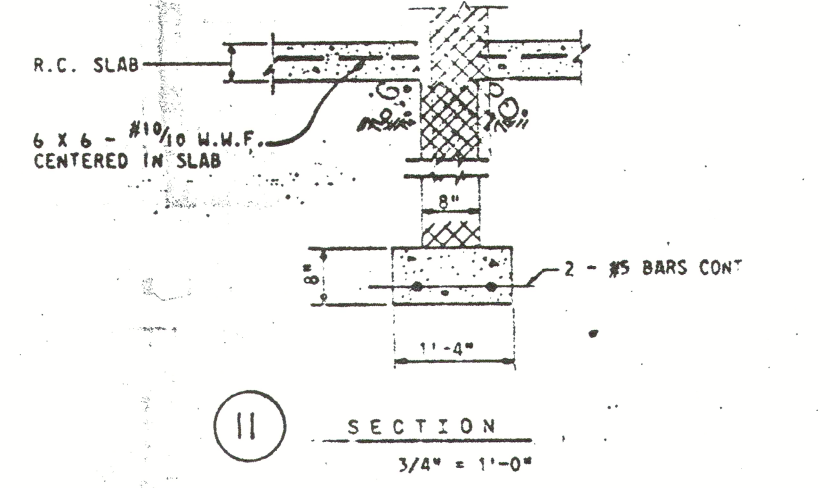
NOTE: CONSTRUCTION JOINT SIMILAR (NO JOHN SCREED) CARRY REINFORCING THRU JOINT.



WALL SECTION
SCALE = 3/4" = 1'-0"



SECTION 10
1/2" = 1'-0"



SECTION 11
3/4" = 1'-0"

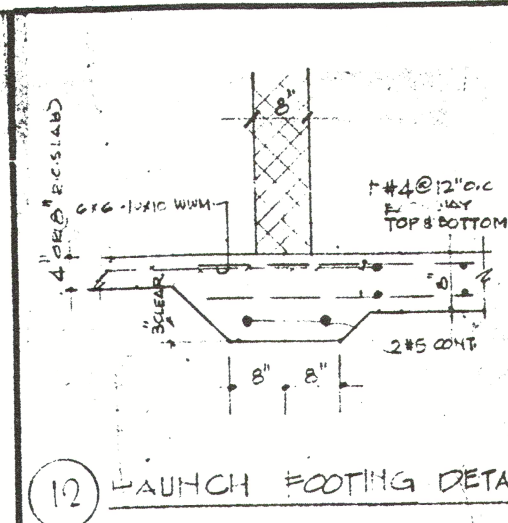
A WALL FOUNDATION AND COLUMN FOOTINGS SHALL BE PROVIDED IN A MAT OF COMPACTED FILL ABOVE A MIN OF 5' OF UNSUITABLE MATERIAL FROM BELOW ALL WALLS AND FOOTINGS. THE MAT SHALL EXTEND TEN FEET OUTSIDE THE BUILDING LIMITS ON ALL SIDES. THE SOIL BEARING SHALL BE 2000 P.S.F.

B. Before depositing fills, the surface of the ground shall be cleared of all refuse, brush, large stones, grass and roots. All organic material, mud, muck and otherwise unsuitable soils, shall be removed from the surfaces upon which fills are to be placed. The surface shall be plowed or scarified to a depth of six inches. Surface soils so scarified or which have been disturbed by grubbing and stripping operations shall be compacted to undisturbed soil below by discing, leveling, rolling and compacting at the moisture content and to the density specified below for compacted embankments.

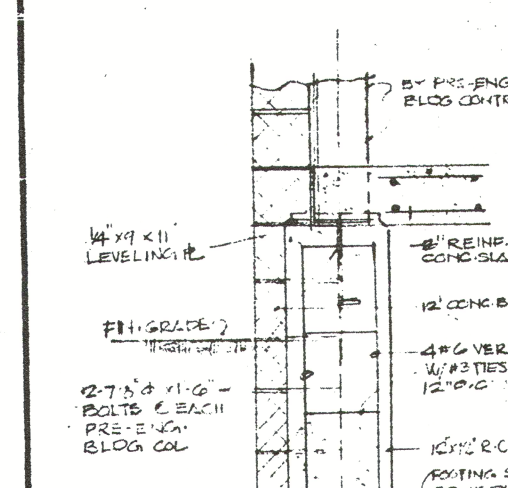
C. Where fills are made on hillsides or slopes, the slope of the original ground upon which the fill is to be placed shall be plowed or scarified deeply or where the slope ratio of the original ground is steeper than 5 horizontal on 1 vertical, the bank shall be stepped or benched, when considered necessary by the Engineer, in order that the placement of the fill be accomplished in horizontal layers.

D. Placing, Spreading and Compacting Material of Fills

1. The fill material shall be placed in layers which, before compaction, shall not exceed 8 inches. Each layer shall be spread uniformly and evenly and shall be thoroughly blade mixed during the spreading to insure uniformity of material in each layer.
2. After each layer has been placed, mixed and spread evenly, it shall be thoroughly compacted to not less than 95% of the dry maximum density in accordance with the AASHTO Test T-99-57.
3. The moisture content of the fill shall be as required in order to attain the degree of compaction specified.
4. Compaction shall be by approved multiple-wheel pneumatic tire rollers, vibratory rollers or other types of acceptable rollers.
5. The filling operation shall be continued in 8 inch (as deposited loose) layers, as specified above, until the fill has been brought to the slopes and grades as shown on the contract drawings, making proper allowances for thickness of topsoil, pavement, floor slabs, etc.
6. The fill shall be constructed in such a manner that the surface will be sloped to drain at all times and all fill shall be deposited to prevent excessive moisture accumulation from rain water.
7. When the work is interrupted by rain, fill operations shall not be resumed until field tests indicate that the moisture content and density of the top 6 inches of fill is within the limits hereinbefore specified.



LAUNCH FOOTING DETAIL



SECTION 13
3/4" = 1'-0"

GENERAL NOTES

FOUNDATION:
THE SOIL BEARING PRESSURE IS ASSUMED AT 2000PSF. IF SOIL OF THIS CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS SHOWN, NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. FOOTINGS SHALL BE PLACED ON UNDISTURBED GRADE OR WHERE FILL IS REQUIRED, IT SHALL BE COMPACTED TO 95% AT OPTIMUM MOISTURE CONTENT AS MEASURED BY THE STANDARD PROCTOR TEST. ALL ELEVATIONS SHALL BE TO THE TOP OF THE FOOTINGS.

CONCRETE:
CONCRETE SHALL BE ACCORDING TO THE FOLLOWING SCHEDULE:
ALL CONCRETE 3000 PSF. IN 28 DAYS.

ENTRAINED AIR 5% ± 1%.
NO OTHER ADMIXTURES ARE TO BE USED UNLESS PERMISSION IS OBTAINED FROM THE ENGINEER.

REINFORCING STEEL:
REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO A.S.T.M. SPEC. A615-60. DEFORMATIONS IN ACCORDANCE WITH A.S.T.M. A-305. W/F SHALL CONFORM TO A.S.T.M. A-185.

ALL CONTINUOUS REINFORCING SHALL BE CONTINUOUS AND LAPPED AT ALL SPLICES, CORNERS AND INTERSECTIONS A MINIMUM OF 36 BAR DIAMETERS (U.N.O.)

PROVIDE SPACERS, CHAIRS TIES AS REQUIRED AND NECESSARY FOR ASSEMBLING, PLACING AND SUPPORTING ALL REINFORCEMENT IN PROPER POSITION.

DESIGN LOADS:
ROOF = (METAL BLOW) 30 PSF. 5' MIN. HP ROOF 100 PSF
WIND = 20 PSF.
MEZZANINE = 50 PSF.
(OFFICE)

STAIRS = 100 PSF.
MEZZANINE = 125 PSF.
LIGHT STORAGE

MINIMUMS:
1. ALL STEEL ANGLES IN MASONRY WALLS SHALL BE STEEL ANGLES WITH SIZES AS FOLLOWS FOR 2" MIN. 4" OF WALL THICKNESS OR FRACTION THEREOF: (UNLESS NOTED OTHERWISE ON DRAWINGS)

SPAN
UNDER 6'-0" 4" x 3 1/2" x 3/4"

LINTEL ANGLES SHALL HAVE A MINIMUM END BEARING OF 8" BUT NOT LESS THAN 1" OF BEARING FOR EACH FOOT OF OPENING WIDTH.

STRUCTURAL STEEL:
1. STEELWORK IN GENERAL SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS ADOPTED BY THE A.I.S.C.

2. ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH A.S.T.M. SPECIFICATIONS A-36.

3. ALL CONNECTIONS EXCEPT AS NOTED ON PLANS AND DETAILS SHALL HAVE BOLTED OR WELDED CONNECTIONS AS SHOWN IN THE CURRENT EDITION OF THE A.I.S.C. MANUAL.

4. ALL BOLTS SHALL BE HIGH STRENGTH BOLTS IN ACCORDANCE WITH A.S.T.M. A-325 BOLTS.

5. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY.

6. ALL SHOP AND FIELD WELDING SHALL BE DONE BY CERTIFIED WELDERS QUALIFIED BY THE AMERICAN WELDING SOCIETY.

EN WEB JOIST:
1. JOIST TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS AND SHALL BE MANUFACTURED BY A MEMBER COMPANY.

2. PROVIDE DIAGONAL BRIDGING AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS. PROVIDE ANCHORS AS REQUIRED AT EACH LINE OF BRIDGING. ALL BRIDGING TO BE IN PLACE AND ANCHORED BEFORE DECK INSTALLATIONS. WELD BRIDGING TO JOISTS AND BEAMS AND/OR ANCHOR TO MASONRY. END BAYS OF RUNS OF JOIST TO HAVE BOTH DIAGONAL AND HORIZONTAL BRIDGING UNLESS NOTED OTHERWISE. FINAL CONNECTIONS OF ALL BRIDGING TO BE BY WELDING.

3. PROVIDE END ANCHORAGE AT MASONRY SUPPORTS AND AT STEEL SUPPORTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE STANDARD SPECIFICATIONS.

