

GENERAL NOTES

DRAWINGS

1. THESE DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL PROJECT DRAWINGS. ANY OMISSIONS AND/OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE RESIDENT ENGINEER OF ANY VARIATIONS FROM THE CONTRACT DRAWINGS BEFORE PROCEEDING WITH THE WORK.

FOUNDATIONS

1. SEE GEOTECHNICAL INVESTIGATION REPORT BY HARDING-LAWSON ASSOCIATES, DATED SEPT. 10, 1990 FOR NATURE OF SUBSURFACE SOILS AND RECOMMENDATION FOR THE TYPE OF FOUNDATION TO BE USED FOR THIS PROJECT.
2. FOOTINGS SHALL BE PLACED TO THE MINIMUM ELEVATIONS NOTED ON THE P&E AND SHALL PENETRATE A MINIMUM OF 18" INTO THE UNDISTURBED GRAVEL STRATUM.
3. DESIGN BEARING PRESSURE BASED ON THE CHARTS PRESENTED ON PLATE 16 OF THE ABOVE REPORT.
4. THE RESIDENT ENGINEER SHALL BE NOTIFIED OF ANY UNUSUAL CONDITIONS THAT ARE IN VIOLATION WITH THE TEST BORING LOGS.
5. THE SLAB ON-GRADE SHALL BE SUPPORTED ON 4 INCHES OF CLEAN GRAVEL AND A MINIMUM OF 20 INCHES OF GRANULAR FILL AS SHOWN ON THE DINGS.

CAS-IN-PLACE CONCRETE

1. CONCRETE COMPRESSIVE STRENGTH (TYPE D)
(TYPE CL)
f'c @ 28 DAYS = 4000 psi
f'c @ 28 DAYS = 3000 psi
f'c @ 28 DAYS = 2000 psi
ASTM A615, GRADE 60 (1/2" min. noted otherwise)
ASTM A615, GRADE 60 designation S1 Where Noted
2. REINFORCING STEEL
ASTM A615, GRADE 60
3. STIRRUPS, TIES
ASTM A185
4. WIRE MESH, WELDED WIRE FABRIC
ASTM A185

CODE AND STANDARDS

THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS.

- ACT 318-77 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- UNIFORM BUILDING CODE, 1979 EDITION
- VA HANDBOOK H-08-8 "EARTHQUAKE RESISTANT DESIGN REQUIREMENTS FOR VA HOSPITAL FACILITIES"

MINIMUM DESIGN LIVE LOAD

NURSING AREAS.....	.60 PSF
SUPPORT AREAS.....	.100 PSF
ALL FUTURE FLOORS.....	.100 PSF
MECHANICAL AREAS.....	.150 PSF
ROOF L.L.....	.25 PSF
PEAK GROUND ACCELERATION.....	Am = 0.5g (H-08-8)

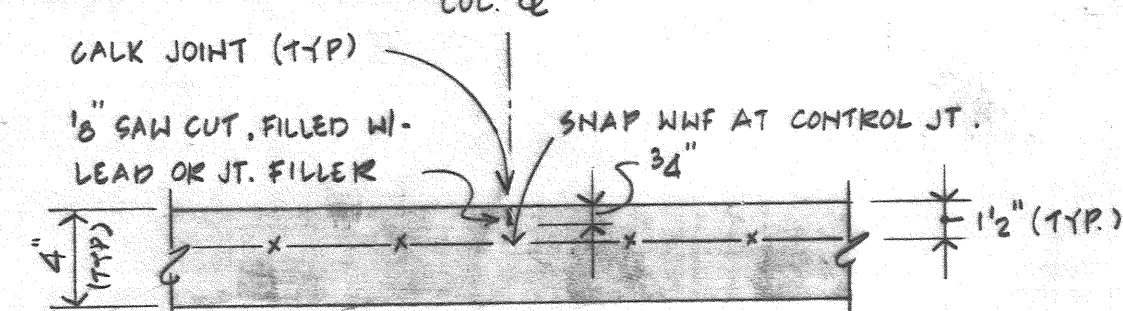
N.H.U. 21DG. STRUCTURE HAS BEEN DESIGNED FOR 3 FUTURE FLOORS.
(ASSUMED SLAB DEAD LOAD = 92 PSF).

STEEL FRAMING

1. STRUCTURAL STEEL
ASTM A36
2. BOLTED CONNECTIONS
ASTM A307
3. WELDED CONNECTIONS
E TO XX ELECTRODES

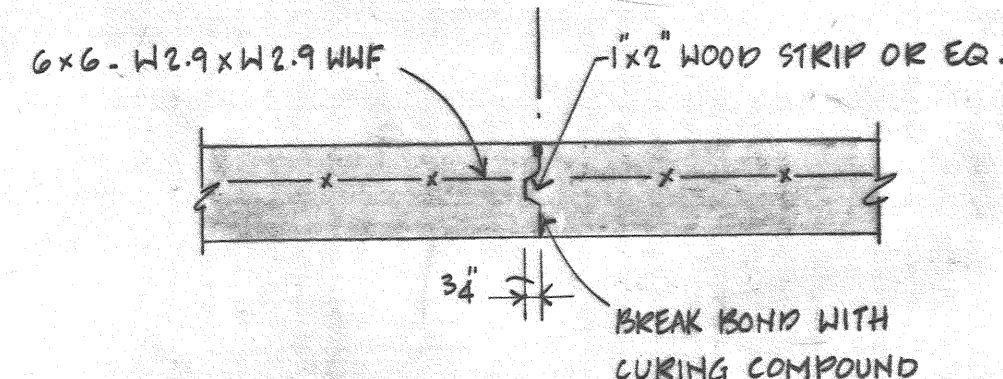
REINFORCED MASONRY

1. CONC. MASONRY UNITS
ASTM C-90 GRADE N, TYPE I
(f'm = 2500 psi)
2. MORTAR
TYPE S
3. GROUT
TYPE PG(f'm = 5000 psi)
4. REINF. STEEL
ASTM 615 GRADE 60
5. PROVIDE MASONRY WALLS WITH HORIZONTAL JOINT REINFORCEMENT SPACED AT 16" O.C. VERTICALLY.



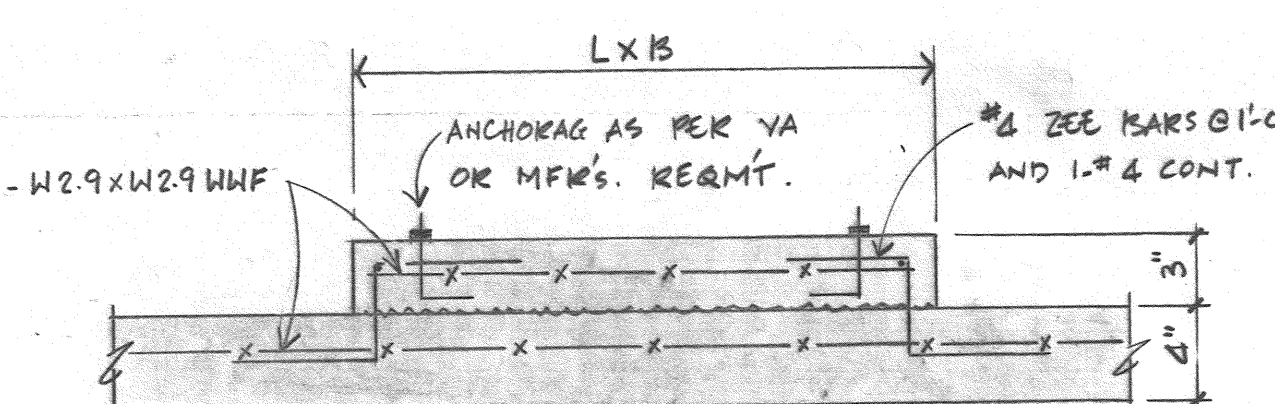
ALT I : SAHED JOINT

NOTE: SAW CUT SHALL BE MADE NO LATER THAN 24 HRS. AFTER CONCRETE IS POURED.

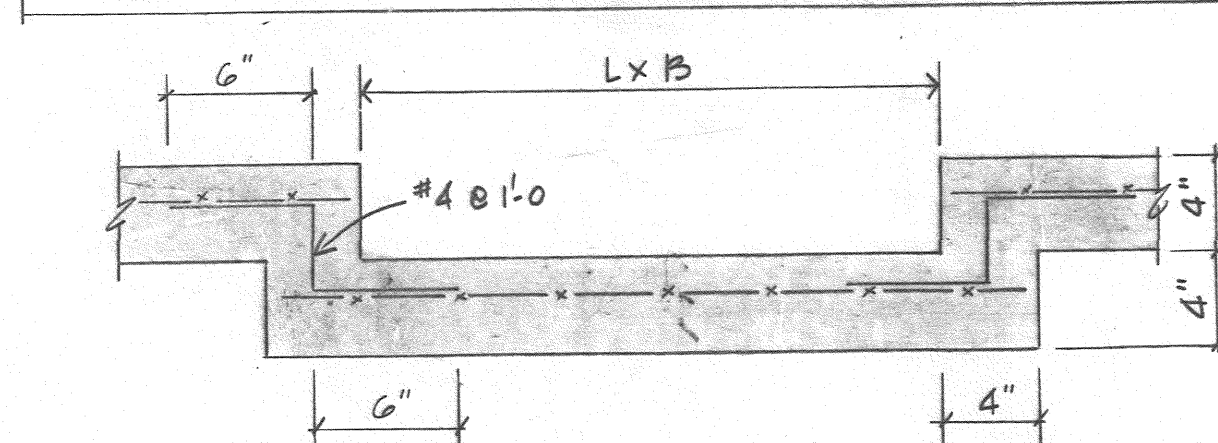


ALT II : KEYED JOINT

1 DETAIL OF FLR. SLAB CONTROL JOINT

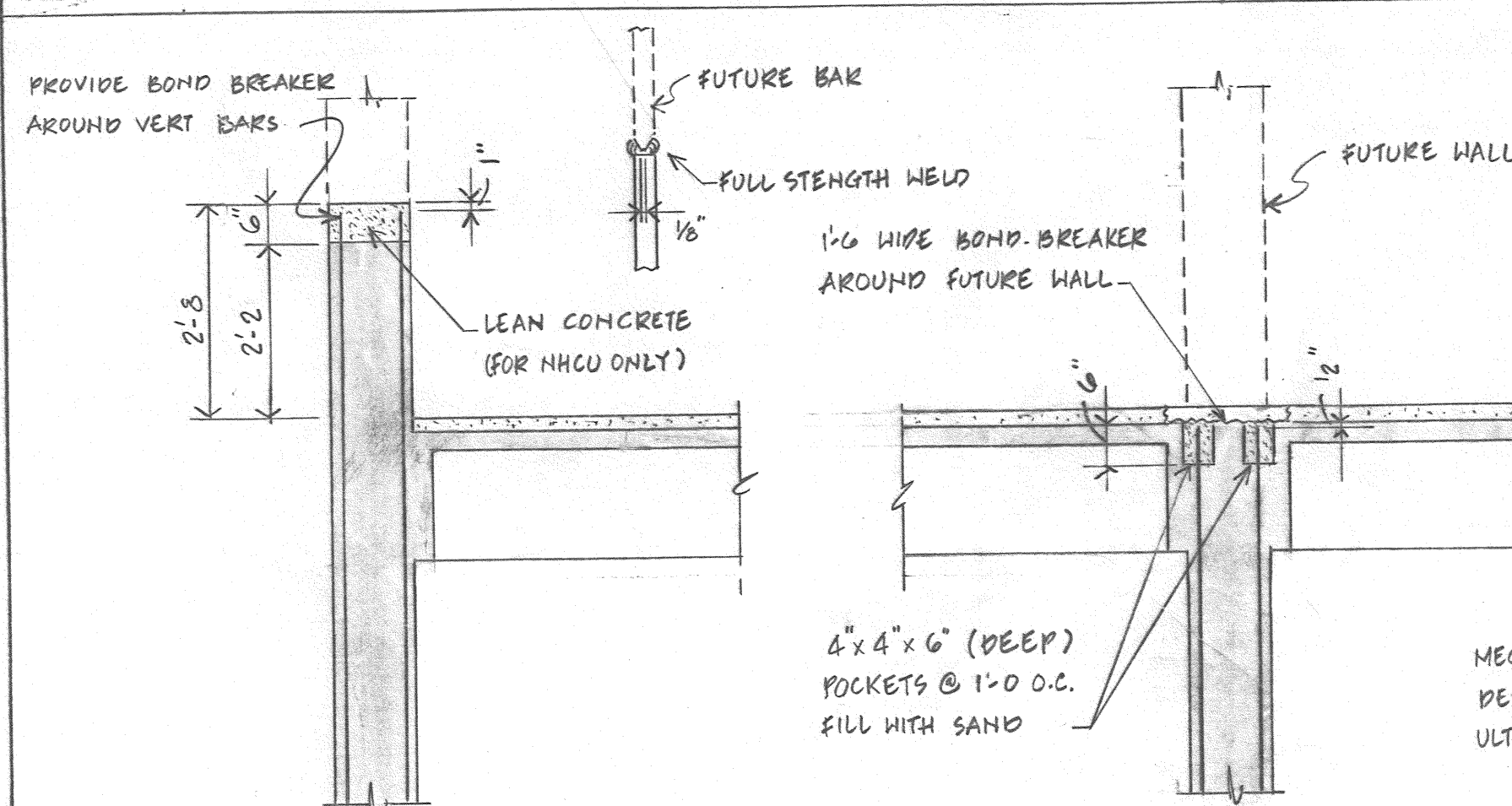


(a) DET. AT EQUIPMENT PAD
VERIFY LOCATION & SIZE (LXB) OF EQUIPMENT PAD AND FLOOR DEPRESSION WITH MECH. AND ARCH DRAWINGS.



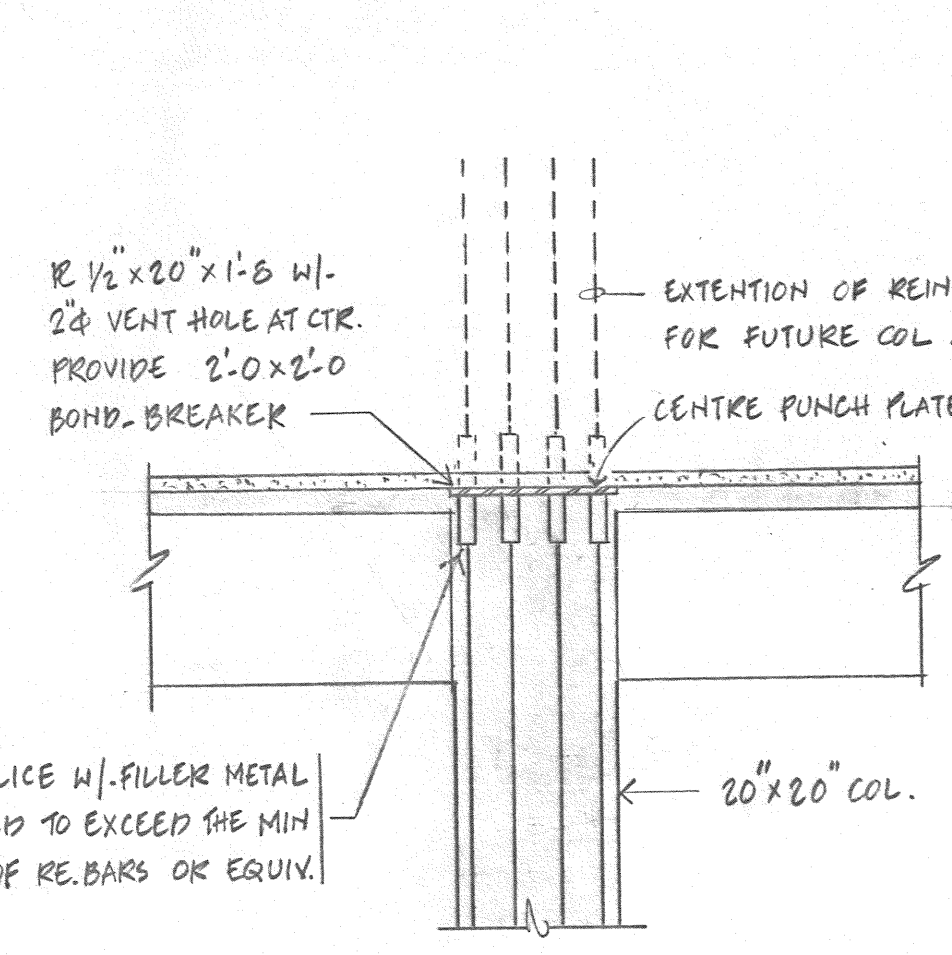
(b) DET. AT DEPRESSED SLAB

5 DETAIL OF FLOOR SLAB CONSTRUCTION



(a) AT EXTERIOR SHEAR WALLS

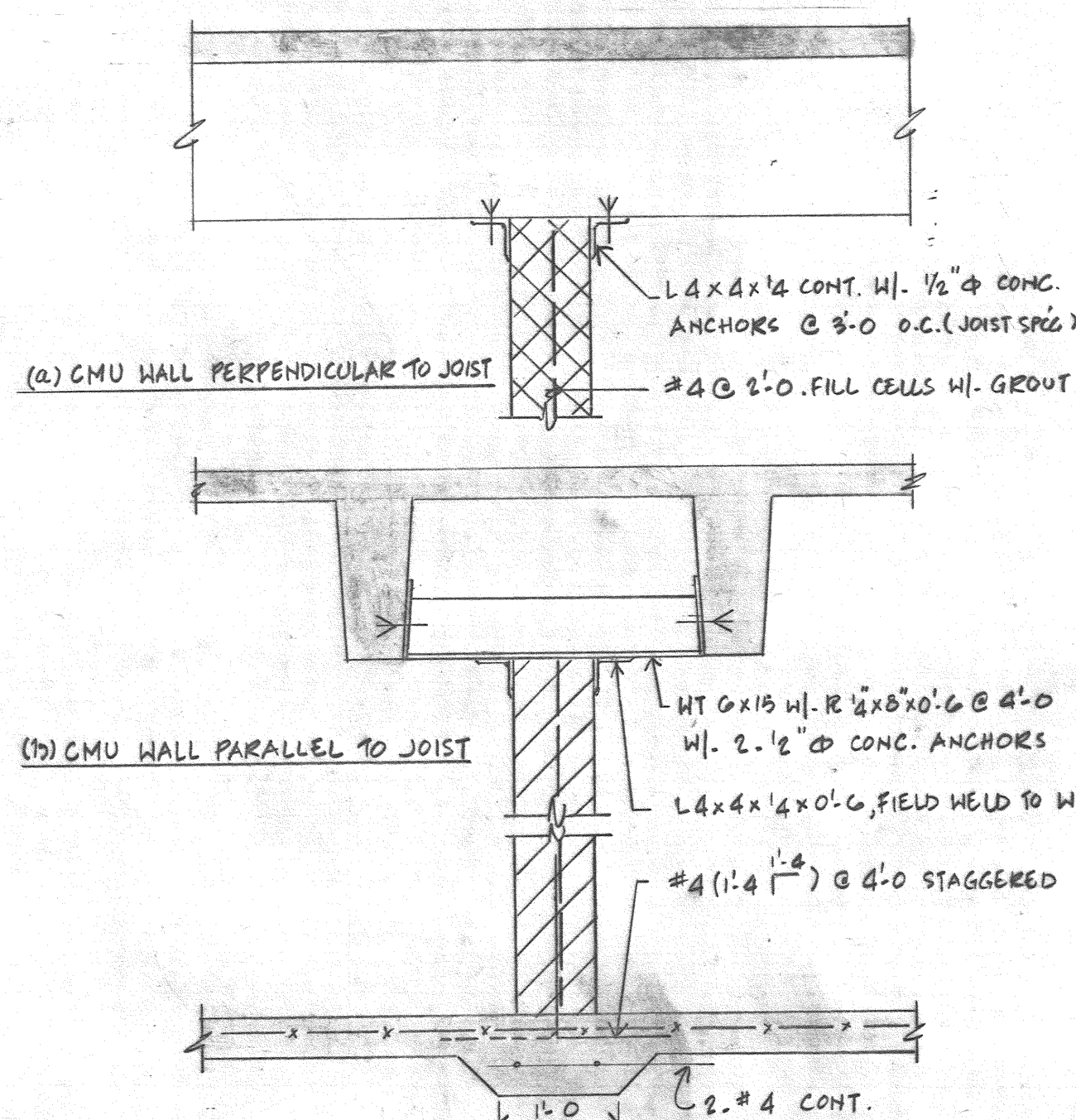
(b) AT INTERIOR SHEAR WALL



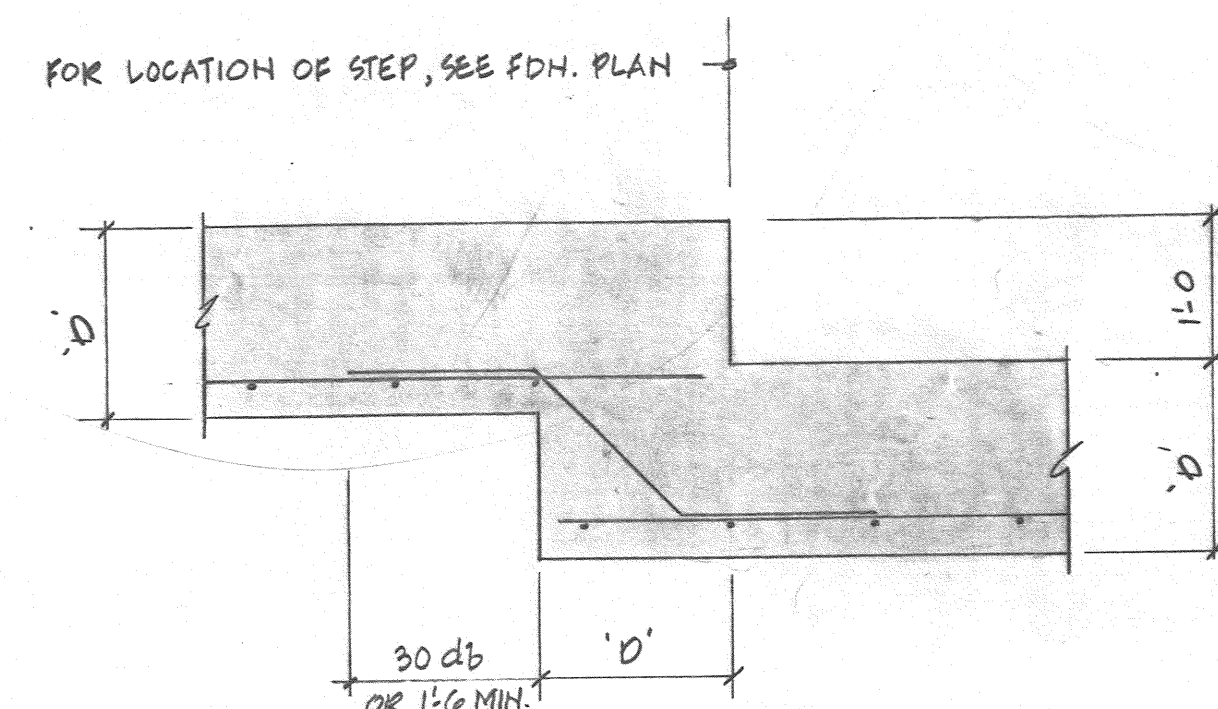
(c) AT 20x20" COLS.

TYPICAL DETAILS FOR FUTURE EXPANSION

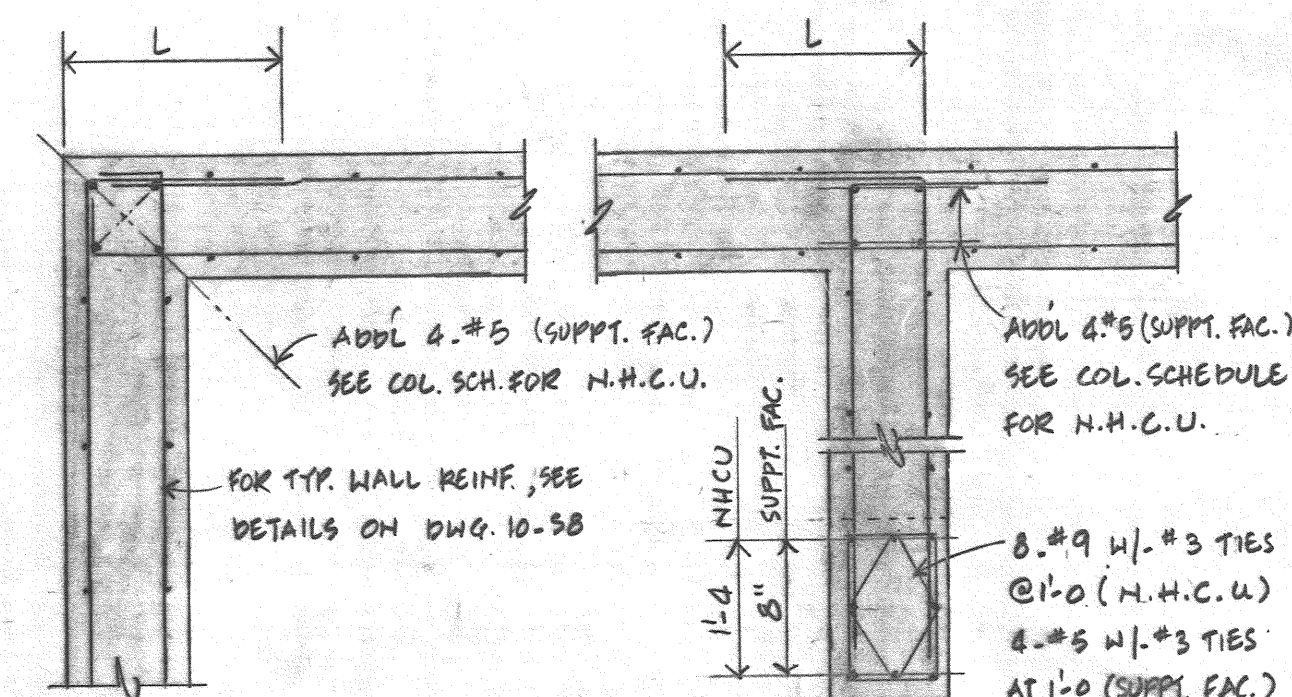
(NOTE: ALL REINF. BARS THAT ARE TO BE WELDED FOR FUTURE EXPANSION SHALL BE ASTM A615 GRADE 60 OF DESIGNATION S1)



2 DETAIL OF NON-LOAD BEARING MASONRY PARTITION WALL

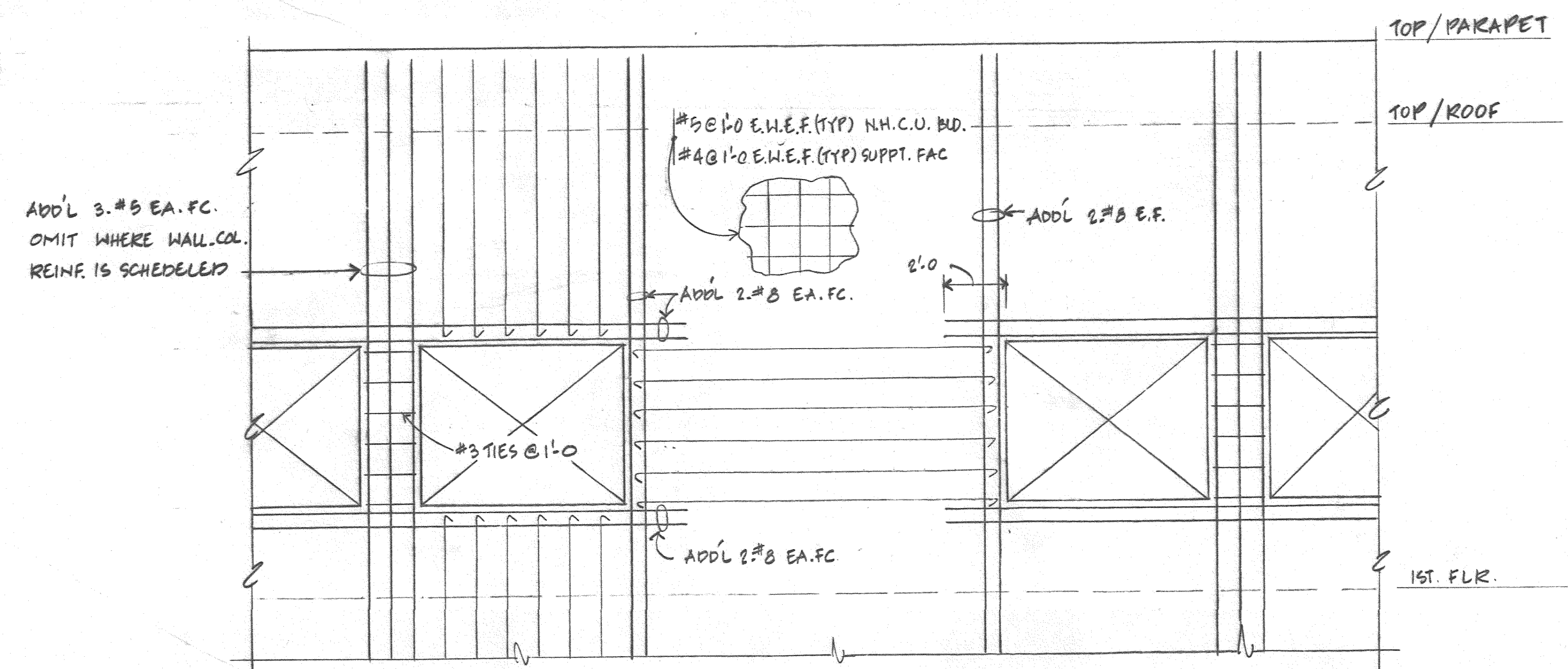


DETAIL OF STEP FOOTING

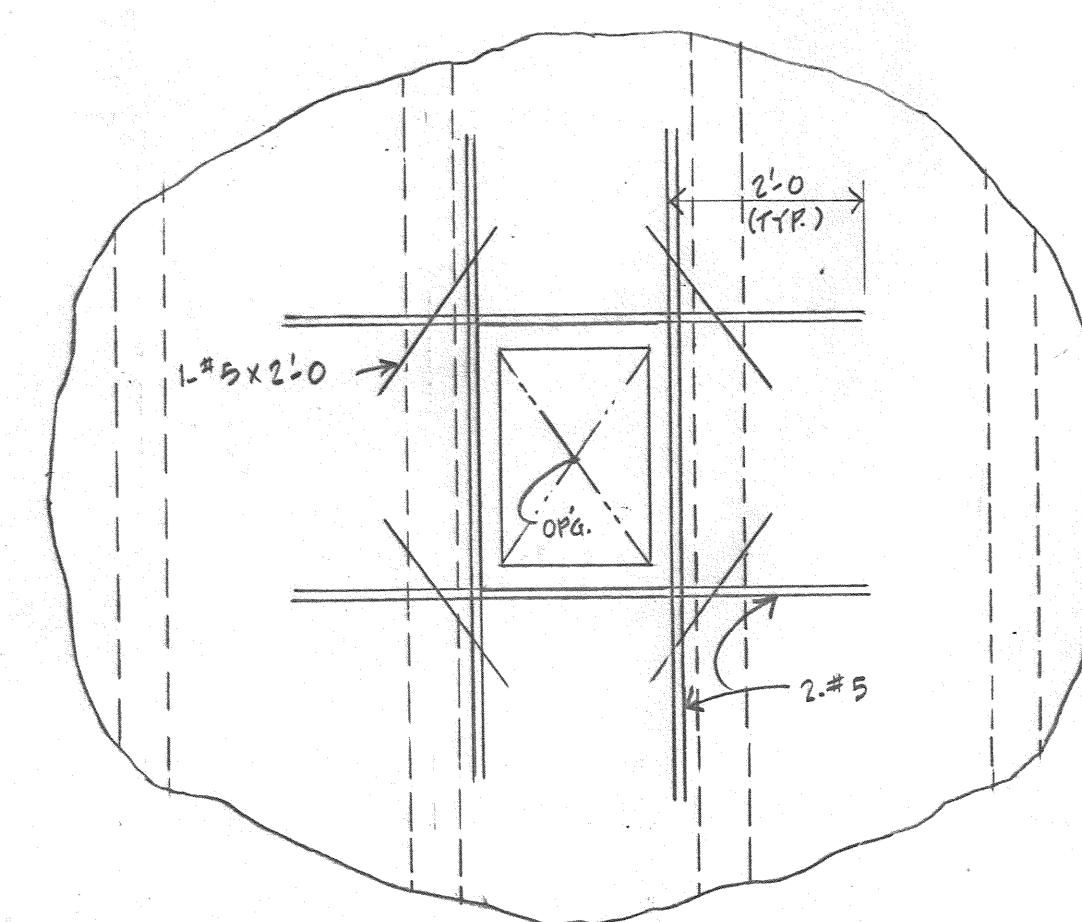


CORNER

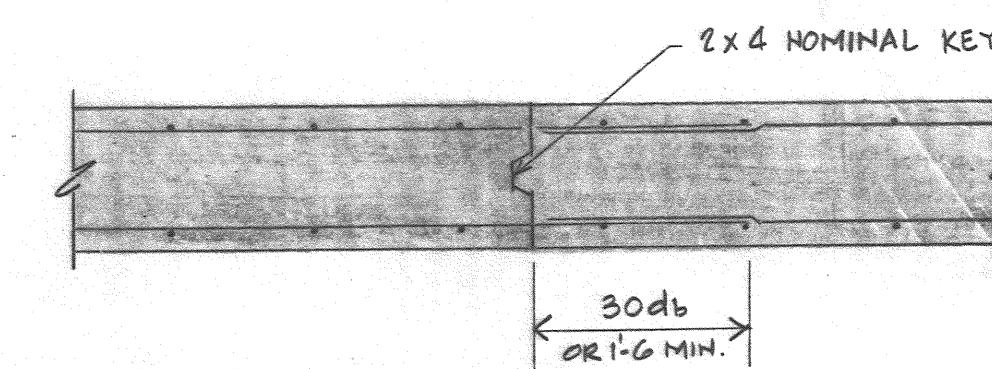
DETAIL OF WALL REINF.
(L = 30 db OR 1/2 MIN.)



DETAIL OF SHEAR WALL REINFORCING AT OPENINGS



TYPICAL FLOOR OPENING DETAIL



VERTICAL CONSTRUCTION JOINT IN CONC. WALL

4

7

9