

### BAR LENGTH CODE

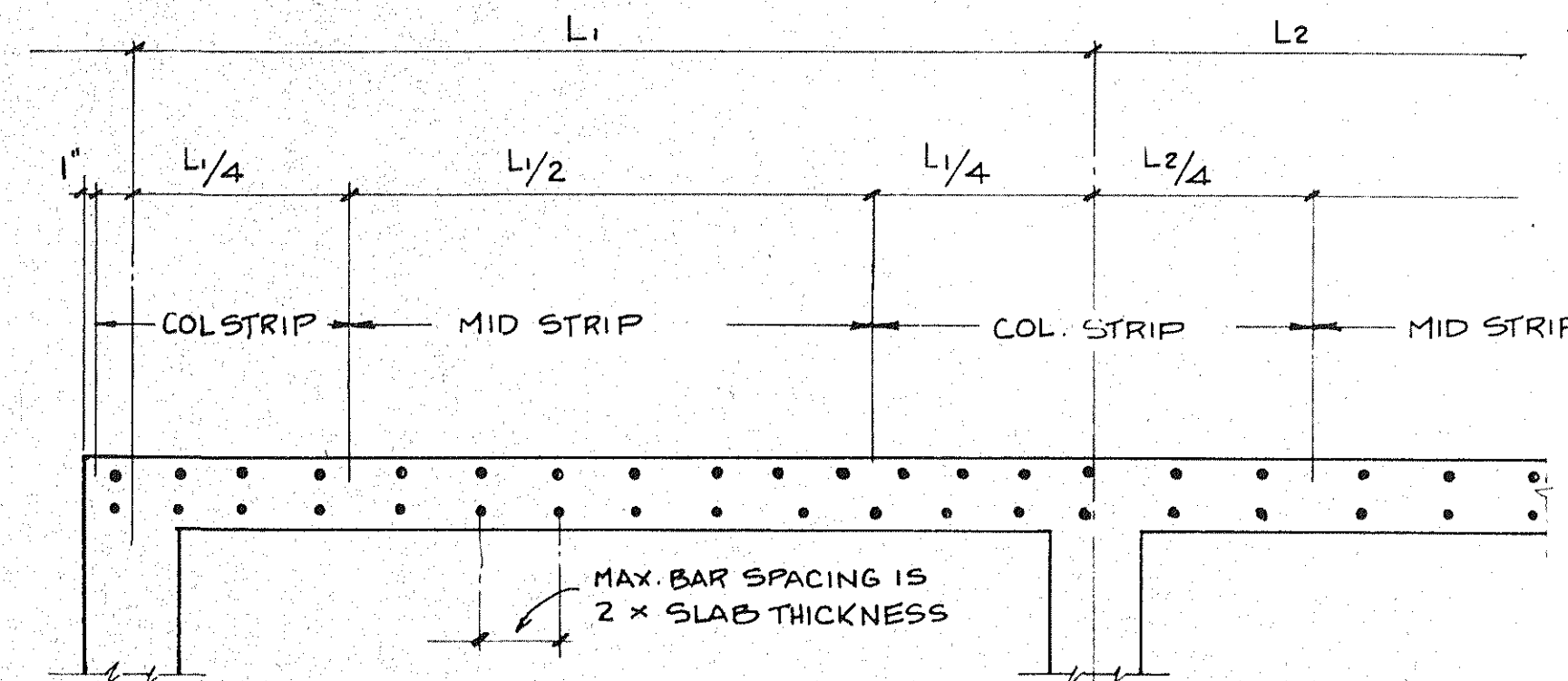
L = LENGTH OF LARGER OF TWO ADJACENT CLEAR SPANS (Ln)

|              |                       | EXT SUPPORT | INTERIOR SUPPORT |     |     |
|--------------|-----------------------|-------------|------------------|-----|-----|
| TOP STEEL    | COLUMN STRIP          | 30Ln        | 30L              | 30L | 30L |
|              | MID STRIP             | 20Ln        | 20L              | 20L | 20L |
| BOTTOM STEEL | COL & MID STRIP       | 22Ln        | 22L              | 22L | 22L |
|              | ADDED CONT. BARS GRID |             | 4"               | 4"  |     |

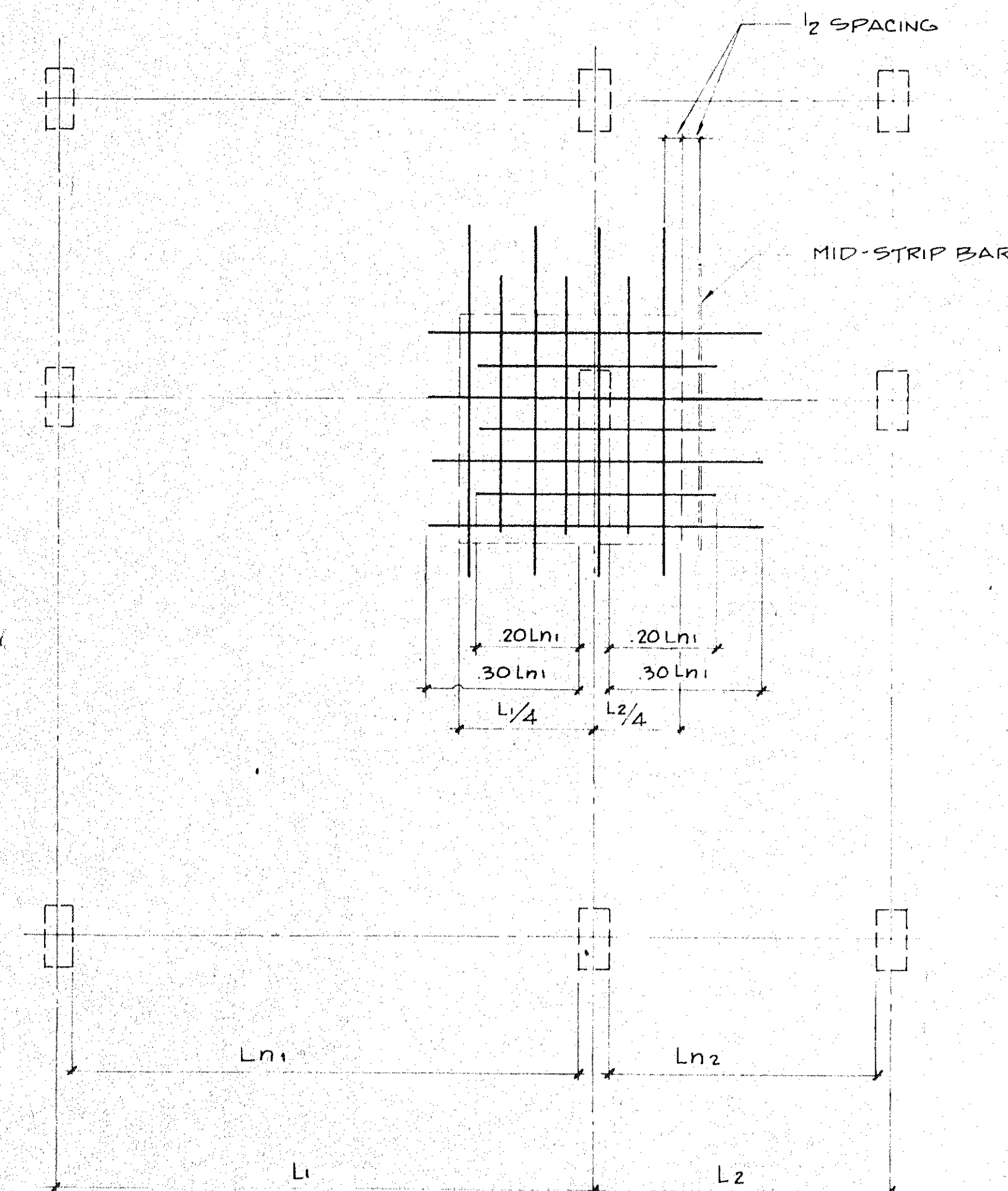
NOTE: COLUMN STRIP BARS ARE TO BE FABRICATED IN TWO LENGTHS AS SHOWN ABOVE

### NOTES:

- TOP BARS TO BE EQUALLY SPACED OVER COL STRIP (SEE NOTE #2) FROM 1/4 SPAN TO 3/4 SPAN WITH OUTERMOST BARS 1/2 SPACING FROM 1/4 SPAN LIMIT.
- 25% OF ALL TOP BARS IN ANY COLUMN STRIP MUST BE PLACED WITHIN AN AREA BOUND BY A LINE 6" EITHER SIDE OF COLUMN.
- BAR PLACEMENT: BARS CLOSEST TO THE TOP & BOTTOM OF THE SLAB ARE TO BE PLACED PARALLEL TO THE PRIORITY ARROW. MAXIMUM BAR SPACING IS = 16" (EXCEPT TEMP STL.)
- BARS CLOSEST TO TOP & BOTTOM OF SLAB TO HAVE 1" CONC. COVER.
- AN (3) ON THE PLANS INDICATES STEEL WITH 3<sup>RD</sup> (LAST) PRIORITY PLACEMENT
- BOTTOM REINF IS A GRID OF #4 BARS @ 13" O.C. EA WAY (EXCEPT 1<sup>ST</sup> FLOOR SEE PLANS)
- THE FIRST (2) ADDITIONAL BOTTOM BARS @ ANY SLAB EDGE ARE TO BE LOCATED IN THE FIRST 1'-0" FROM THE SLAB EDGE, THE REST TO BE LOCATED PER NOTE #8
- (4) BARS. ADDITIONAL BARS SHOWN ON BOTTOM PLAN ARE IN ADDITION TO GRID STL. BARS SHOWN @ COLUMNS SHALL BE EVENLY DISTRIBUTED WITHIN THE COLUMN STRIP. BARS SHOWN BETWEEN COLUMN STRIPS SHALL BE EVENLY DISTRIBUTED WITHIN THE MID-STRIP
- FOR ALL OPENINGS IN SLAB WHERE BARS ARE INTERRUPTED, PROCEED AS FOLLOWS:
  - OPENINGS COMMON TO TWO INTERSECTING MID-STRIPS, ADD ONE BAR SAME SIZE AND LENGTH AT NEAREST SIDE OF OPENING FOR EACH INTERRUPTED BAR.
  - OPENINGS COMMON TO TWO COLUMN STRIPS: NOT MORE THAN 1/3 OF BARS IN EITHER SPAN MAY BE INTERRUPTED. EQUIVALENT OF REINF INTERRUPTED SHALL BE ADDED ON ALL SIDES OF THE OPENINGS.
  - OPENINGS COMMON TO ONE COLUMN STRIP AND ONE MID-STRIP WILL BE THE SAME AS NOTE 8b EXCEPT 1/4 OF BARS MAY BE INTERRUPTED.
- CONDUITS OR PIPES IN SLAB MUST BE IRON OR STEEL (UNCOATED OR GALV) NOT THINNER THAN STANDARD SCHEDULE 40, MUST NOT EXCEED AN OUTSIDE DIAMETER OF 1/3 x SLAB THICKNESS OR 2" DIA. (I.D. MAX. MUST BE LOCATED BETWEEN SLAB STEEL, AND SPACED NOT LESS THAN (3) DIA. ON CENTER
- OPENINGS OTHER THAN CHASE OPENINGS ARE TO BE MADE BY SLEEVING WITHOUT ANY INTERRUPTION TO SLAB STEEL
- REINF. STEEL TO BE = A615-60
- CONC. SLABS TO BE 4000 P.S.I.



TYPICAL SECTION THRU SLAB



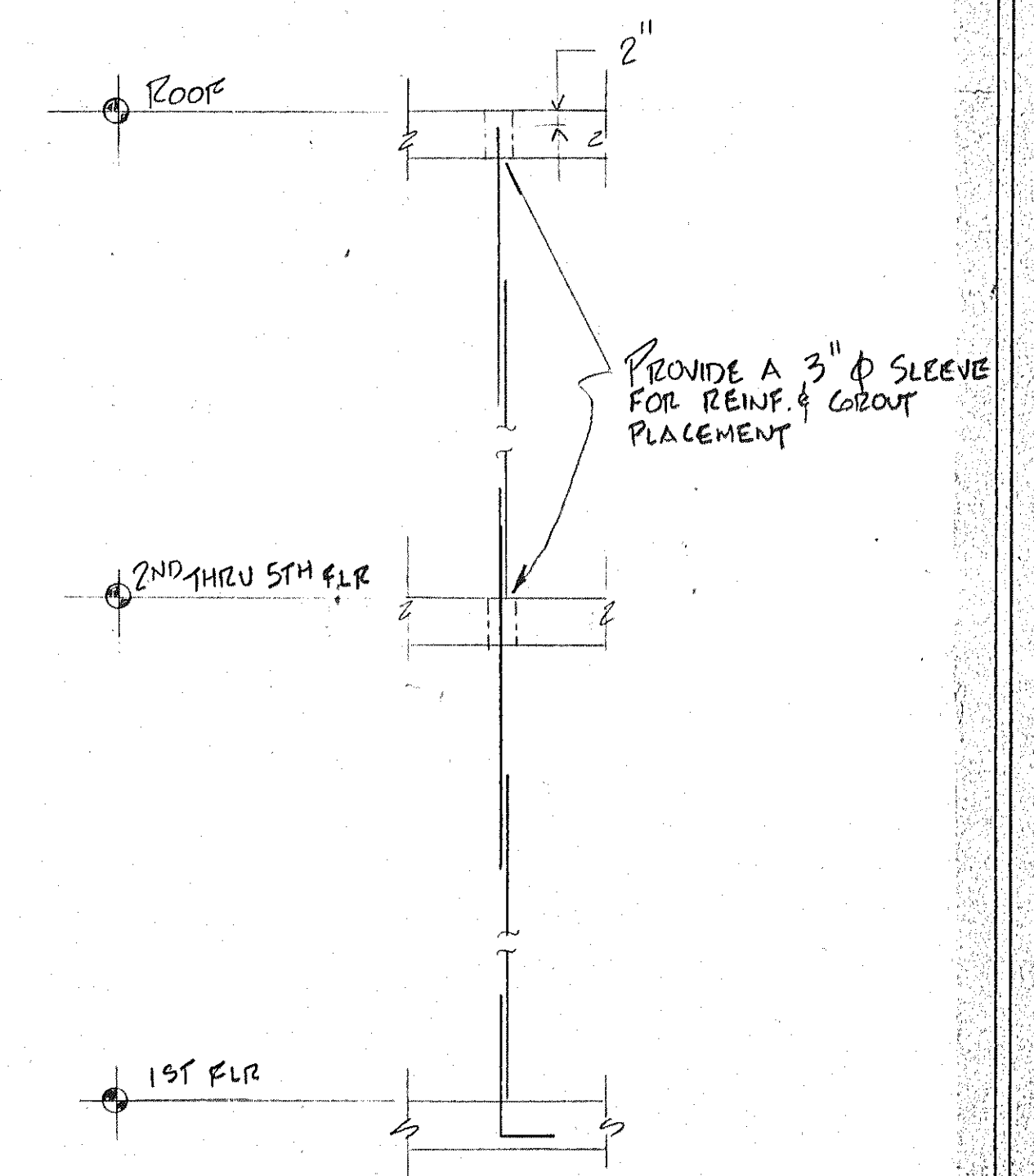
PLAN OF TYPICAL COLUMN STRIP BAR PLACEMENT

### NON-LOAD BEARING EXTERIOR MASONRY WALL NOTES

- PROVIDE 1-#5 VERT @ ALL CORNERS, END WALLS & NEXT TO ALL OPENINGS & PROVIDE 1-#5 VERT @ 4'-0" OC BETWEEN (DOESNT APPLY TO STAIRS & ELEVATORS)
- GROUT FILL CELLS EA. SIDE OF COLUMN & PROVIDE DOWTAIL ANCHORS PER NOTE #3
- PROVIDE HORIZ JNT. REINF @ 16" OC. W/ MATCHING DOWTAIL ANCHORS @ CONC. COLUMNS & SHEARWALLS

### GENERAL REINF. MASONRY NOTES

- MORTAR TO BE TYPE M OR S
- BLOCKS SHOULD NOT BE MOISTENED BEFORE GROUTING
- THE MINIMUM CONTINUOUS UNOBSTRUCTED CELL AREA MUST NOT BE LESS THAN 2" x 3" AND MORTAR FINS MUST BE REMOVED BEFORE GROUTING
- GROUTING SHOULD BE DONE IN NO MORE THAN 4'-8" LIFTS
- GROUT TO CONSIST OF SAND & PORTLAND CEMENT ONLY W/ (2) BAGS OF PORTLAND CEMENT PER CUBIC YD. OF MIX. @ 8" TO 10" SLUMP (3000 PSI)
- GROUT TO BE DEPOSITED BY PUMP OR CONC. BUCKET & GROUT TO BE RODDED TO INSURE THAT CELLS ARE COMPLETELY FILLED
- REINF. STL. GRADE = A615-60  
BAR LAP = CLASS "C" TENSION @ RETAINING WALLS 40x BAR DIA ELSEWHERE
- STRUCTURAL MASONRY WALLS SHALL HAVE A COMPRESSIVE STRENGTH OF 1800 P.S.I. & SHALL BE VERIFIED BY PRISM TEST
- WALLS TO BE BUILT IN ACCORDANCE W/ ACI 531-79



TYP. FILLED CELL ELEVATION FOR NON-LOAD BEARING EXTERIOR WALLS

BLDG-#3 TYPICAL SLAB REINFORCING STEEL PLACEMENT NOTES & DETAILS

ISSUED 12-10-82

REVISED 1-4-83

SHEET

S.14

OF 24

SUNSET BEACH CONSULTING ENGINEERS & SURVEYORS  
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