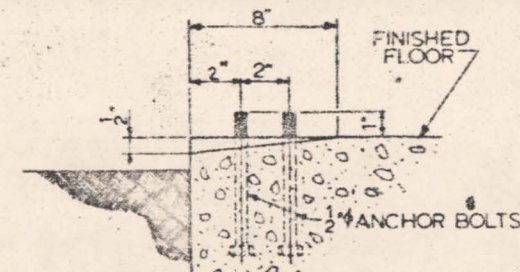
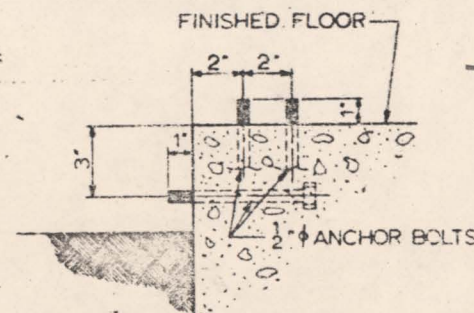


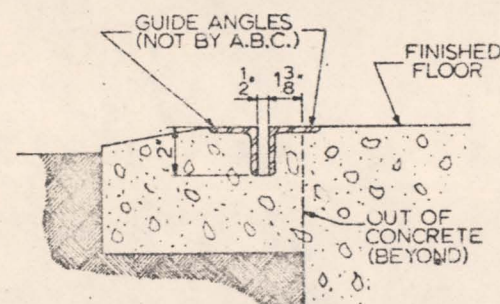
GENERAL FOUNDATION NOTES



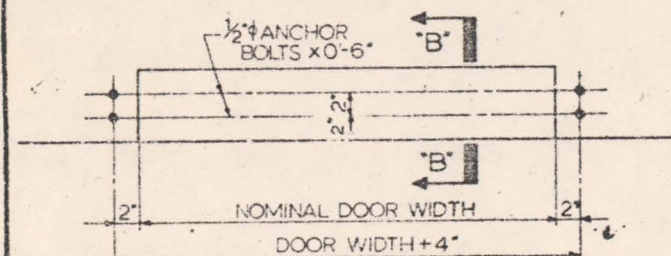
SECTION "B-B"



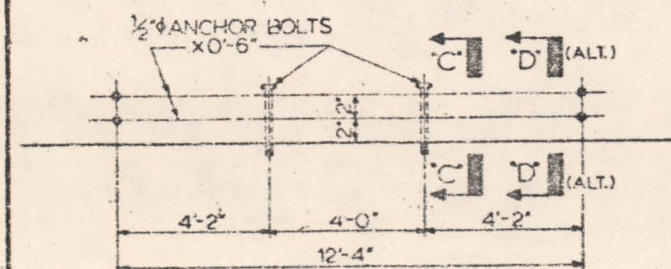
SECTION "C-C"



ALTERNATE SLIDING DOOR GUIDE
SECTION "D-D"

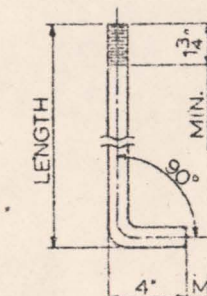


TYPICAL OVERHEAD DOOR LAYOUT

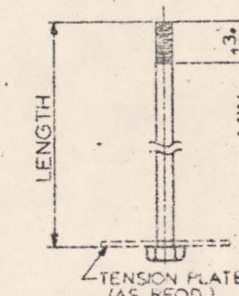


STANDARD SLIDING DOOR LAYOUT

1. AMERICAN BUILDINGS COMPANY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FOUNDATION, FLOOR, OR SLAB DESIGN OR CONSTRUCTION.
2. THE FOUNDATION DESIGN SHOULD BE DONE WITH DUE REGARD TO THE SPECIFIC SOIL CONDITIONS PRESENT AT THE ACTUAL JOBSITE.
3. FOUNDATIONS MUST BE DESIGNED FOR THE APPLICABLE REACTIONS AS THEY APPLY TO A PARTICULAR BUILDING AND MUST BE ADEQUATE TO RESIST ALL OF THE CRITICAL COMBINATIONS FOR EACH OF THE VARIOUS LOADING CONDITIONS. THESE REACTIONS REPRESENT THE MAXIMUM DESIGN LOADS TO BE RESISTED BY THE FOUNDATIONS.
4. REINFORCING BARS, WIRE MESH, ANCHOR BOLT SHEAR ANGLES, TIE RODS, AND/OR HAIRPINS (HOOK BARS) SHOULD BE INCORPORATED AS REQUIRED INTO THE FOUNDATION DESIGN. COLUMN BASE HORIZONTAL THRUST, ACTING IN CONJUNCTION WITH APPLICABLE VERTICAL REACTIONS, MUST BE SUSTAINED BY HAIRPINS, TIE RODS, BUTTRESSES, OR COMBINATIONS OF THESE OR OTHER DEPENDABLE MEANS.
5. FOOTINGS SHOULD EXTEND A MINIMUM OF 6 INCHES INTO NATURAL SOIL; OR WHERE FILL IS USED, THE FILL MUST BE PROPERLY COMPACTED AND THE FOOTINGS SHALL EXTEND TO NATURAL GRADE. IN ALL CASES THE FOOTINGS SHALL EXTEND AT LEAST 6 INCHES BELOW THE LOCAL FROSTLINE.
6. EXPANSION OR CONSTRUCTION JOINTS SHALL BE LOCATED IN FOUNDATION WALLS AND SLABS MIDWAY BETWEEN COLUMNS (NEVER AT COLUMNS).
7. THE TOP OF THE FOUNDATIONS OR FLOOR SHALL BE SQUARE, LEVEL, AND SMOOTH. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF $\pm 1/16$ INCH ON DIMENSIONS WITHIN THE GROUP SPACING FOR AN INDIVIDUAL COLUMN. ALL OTHER DIMENSIONS SHALL BE WITHIN $\pm 1/8$ INCH.
8. COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED THE ALLOWABLE BEARING STRESS OF CONCRETE THAT HAS A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.
9. UNLESS EXPLICITLY NOTED OTHERWISE, ALL EMBEDDED STRUCTURAL STEEL (INCLUDING ANCHOR BOLTS), OTHER MATERIALS, AND LABOR SHALL BE SUPPLIED BY THE FOUNDATION CONTRACTOR.
10. ANCHOR BOLTS SHOULD BE AS SHOWN AND CALLED FOR, INCLUDING PROJECTION FROM CONCRETE, DIAMETER, AND QUANTITY.
11. ALL BOLTS SHALL HAVE A 2 INCH PROJECTION FROM THE FINISHED CONCRETE EXCEPT 1/2 INCH DIAMETER BOLTS AT DOORS WHICH SHOULD HAVE A PROJECTION OF 1 INCH. PROJECTING THREADS SHOULD BE GREASED OR OTHERWISE PROTECTED UNTIL ERECTION.
12. BOLT LENGTHS SHOULD BE SUFFICIENT TO ALLOW ENOUGH EMBEDMENT INTO THE CONCRETE FOR THE BOND STRENGTH (WITH OR WITHOUT HOOK) TO DEVELOP AT LEAST 75% OF THE ALLOWABLE TENSILE CAPACITY OF THE BOLT, AND IN NO CASE SHALL THE LENGTH BE LESS THAN 20 TIMES THE NOMINAL DIAMETER OF THE BOLT UNLESS OTHERWISE NOTED (DOORS, etc.).
13. ALL ANCHOR BOLTS SHALL BE ASTM A307 OR EQUAL IN ORDER TO CONFORM TO A.S.C. DESIGN ASSUMPTIONS BASED ON ALLOWABLE STRESSES AS SHOWN ON PAGES 4-3 THROUGH 4-10 OF THE MANUAL OF STEEL CONSTRUCTION, 7th. ED., A.I.S.C., 1970.



RECOMMENDED ANCHOR
BOLT DETAIL



ALTERNATE ANCHOR
BOLT DETAIL

SCHEDULE OF MINIMUM RECOMMENDED ANCHOR BOLT LENGTHS

DIAMETER	LENGTH
3/4"	1'-3"
7/8"	1'-6"
1"	1'-9"
1 1/8"	2'-0"
1 1/4"	2'-0"

SCALE: NONE	DATE
DRAWN BY: N. SMITH	3-20-74
CHECKED BY: D.N.C.	3-20-74
DESIGN APP'D BY: D.N.C.	4-1-74
ISSUE DATE:	8-1-74

GENERAL FOUNDATION NOTES AND GENERAL CONCRETE DETAILS

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