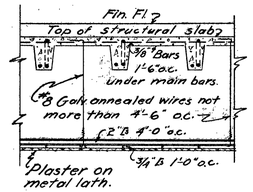
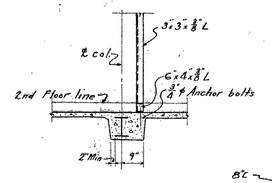
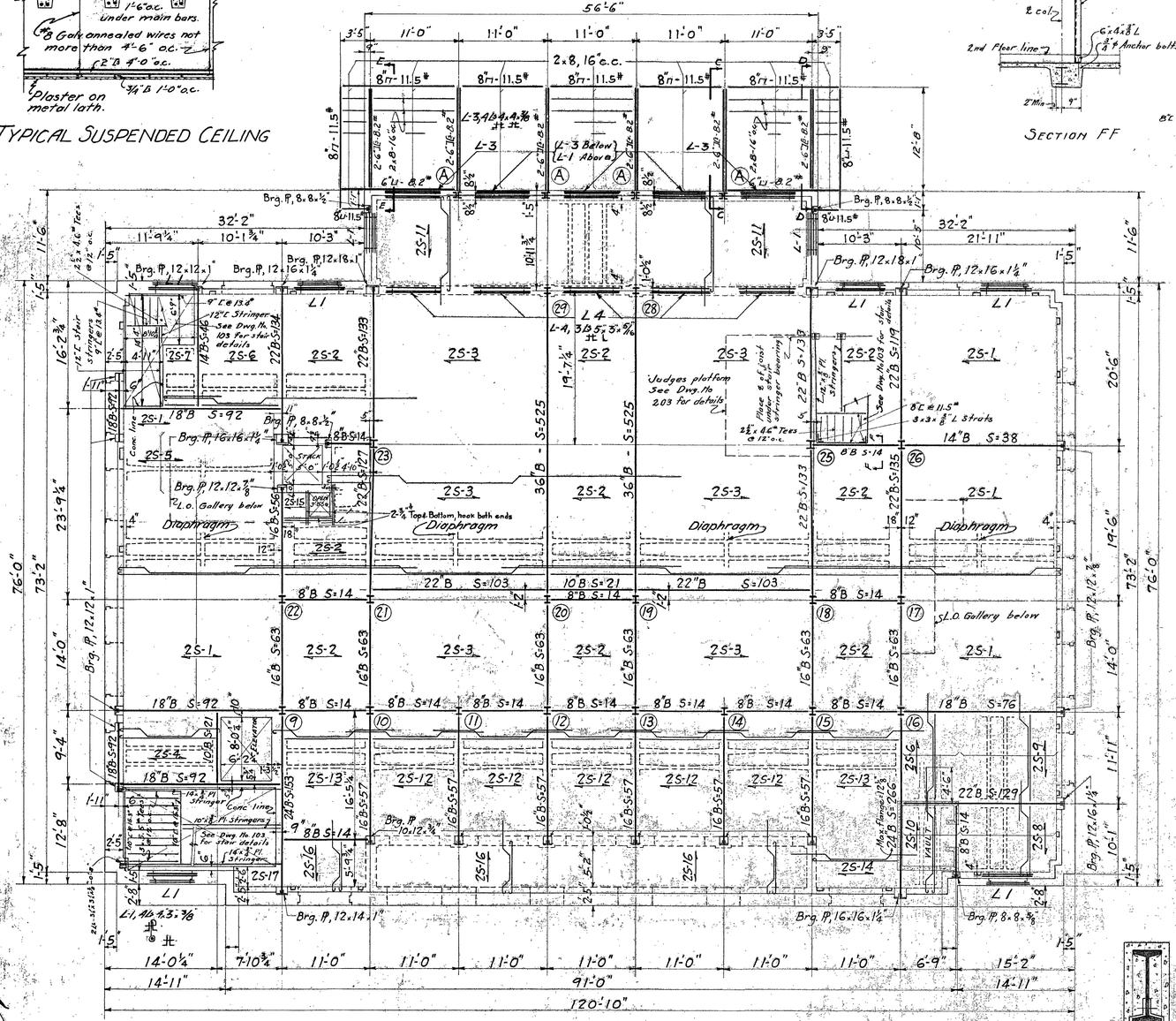


TYPICAL SUSPENDED CEILING



SECTION FF



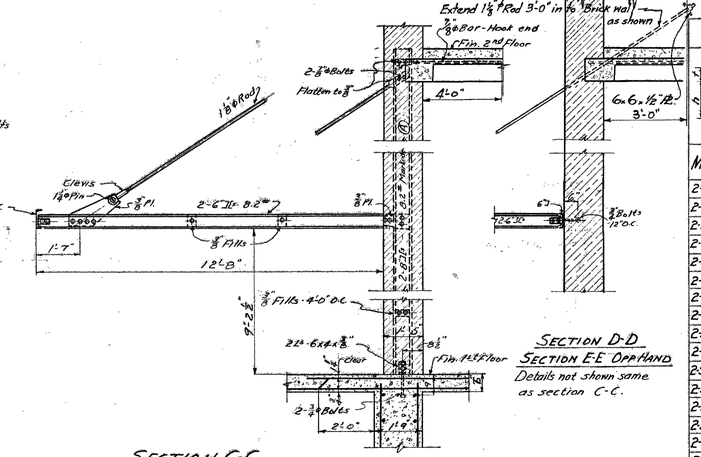
SECOND FLOOR FRAMING PLAN

Scale 1/8" = 1'-0"

Tops of steel beams are 6" below finished floor unless otherwise noted.

For typical splayed ends of joists see Drwg. #401

See Drwg. #404 for typical ceiling details.



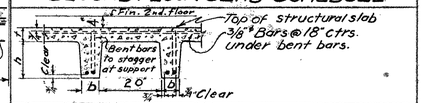
SECTION C-C

SECTION D-D

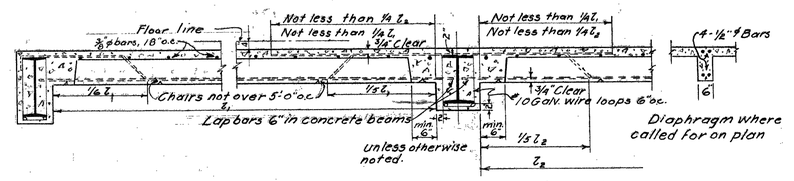
SECTION E-E OPPHAND

Details not shown same as section C-C.

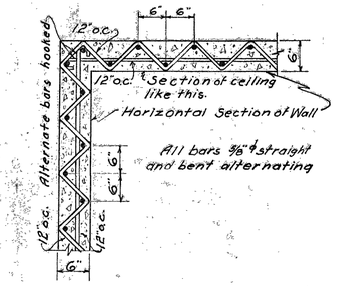
SECOND FLOOR SLAB SCHEDULE



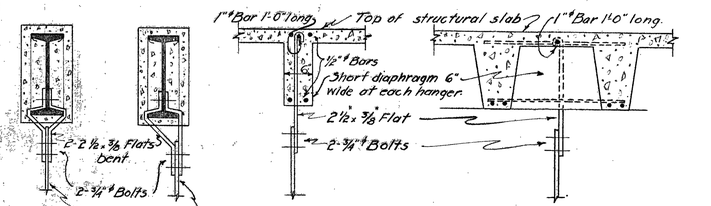
Mark	t	h	b	Reinf. Bars Stright	Reinf. Bars Bent	Remarks
2-S-1	2 1/2	10	5	1'-7/8"	1'-1"	Extend bent bars across 2-S-2 Typically 1'-6" from face of beam. Splay both ends.
2-S-2	2 1/2	10	5	1'-5/8"	Bottom	Top bars from 1-S-1 to 1-S-3. Splay both ends.
2-S-3	2 1/2	10	5	1'-7/8"	1'-7/8"	Extend bent bars across 2-S-2 Typically. Splay both ends.
2-S-4	2 1/2	10	5	1'-5/8"	1'-5/8"	
2-S-5	2 1/2	10	5	1'-1"	1'-1"	Splay both ends
2-S-6	2 1/2	10	5	1'-1/2"	1'-5/8"	Extend bent bars across 2-S-2 & 2-S-7
2-S-7	2 1/2	10	5	1'-1/2"		Extend top bars into 2-S-6 Typically
2-S-8	2 1/2	10	5	1'-1/2"	1'-1/2"	
2-S-9	2 1/2	10	5	1'-1/2"	1'-1/2"	
2-S-10	6 1/2	6	5	1'-7/8"	1'-3/4"	Extend bent bars 4'-6" into 2-S-6 Splay interior end.
2-S-11	2 1/2	8	5	1'-3/4"	1'-3/4"	
2-S-12	2 1/2	6	5	1'-1/2"	1'-1/2"	
2-S-13	2 1/2	6	5	1'-1/2"	1'-5/8"	
2-S-14	2 1/2	6	5	1'-1/2"	1'-3/4"	
2-S-15	12 1/2	Solid slab steel from 2-S-1 See plan for addtnl steel				
2-S-16	4"	Solid slab 1/2" bars @ 8" c.c. Alternate bars bent.				
2-S-17	6"	Solid slab steel fabric.				



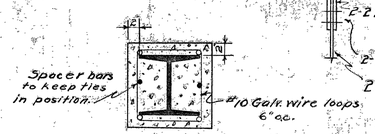
TYPICAL DETAILS OF FLOOR CONSTRUCTION



VAULT REINFORCING DETAIL



DETAIL OF LOOKOUT HANGERS



TYPICAL COL. FIREPROOFING DETAIL

GENERAL FRAMING NOTES

Marks thus 22"B S-108 on steel beams denote the maximum nominal depth and the minimum section modulus to be provided.

Steel details shall be designed in accordance with the American Institute of Steel Construction (A.I.S.C.) Standard Specification for Structural Steel for Buildings.

End connections of beams shall in all cases be at least strong enough to develop the beam for maximum uniform load. Bracket connections shall develop the value of the beam web in buckling on a 3 1/2" bearing and web connections shall be at least equivalent in strength to the A.I.S.C. standard end connections for beams.

In general beams shall be connected to column webs with bracket connections and to column flanges with web connections. Where bracket connections are used seat angles shall be not less than 6" x 4" x 1/2" Stiffener angles shall be used in bracket connections of beams more than 12" deep; shall be not less than 3/8" thick and shall be fitted to have full bearing on outstanding legs of seat angles.

Rivets shall be 3/4" ϕ wherever size of material will permit. Field connections shall be riveted.

All wall bearing beams shall have 2 anchor angles 6 x 3 1/2 x 3/8 x 0'-5" long with 6" leg outstanding fastened to the beam with two rivets.

Structural steel other than lintels shall not be placed closer than 4 1/2" to outside faces of exterior walls.

Lintels shall have not less than 4 1/2", nor less than 1" per foot of span, bearing on masonry at each end.

Concrete joists in adjacent spans shall be aligned.

At non continuous ends of beams or joists reinforcing bars shall be hooked or extend 40 diameters into adjacent concrete. All reinforcing bars shall be supported on approved metal chairs spaced not over 5'-0" o.c. Place 3/8" ϕ bars at 18" o.c. in top of all joist construction, under bent bars transverse to main Reinf. Place 3/8" ϕ bars at 18" o.c. in all one way slabs transverse to main Reinf.

Basement floor slabs shall be reinforced with steel fabric having an area of 0.10" each way.

J. A. Simmons
Acting Supervising Architect
TREASURY DEPARTMENT
APPROVED
58518

Scanned by GSA Region 9
FEB 8 1998

BUILDING U.S.P.O. CT.H., ETC.
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DESIGNED BY Hill DATE 4-22-31
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