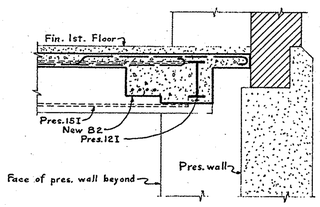
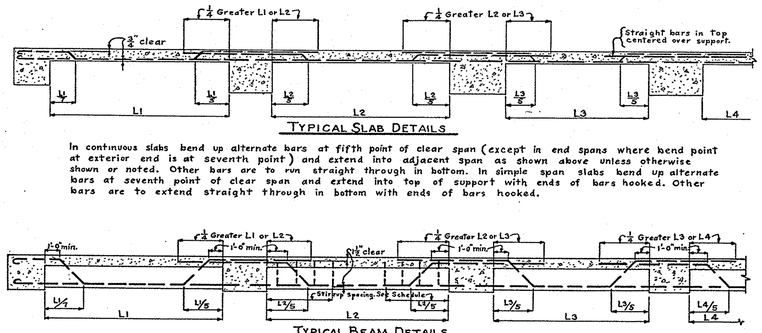


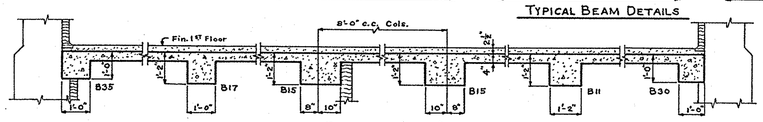
SECTION "H-H"
SECTION "J-J" OPP. HAND
Scale: 1/8" = 1'-0"



TYPICAL SLAB DETAILS

In continuous slabs bend up alternate bars at fifth point of clear span (except in end spans where bend point at exterior end is at seventh point) and extend into adjacent span as shown above unless otherwise shown or noted. Other bars are to run straight through in bottom. In simple span slabs bend up alternate bars at seventh point of clear span and extend into top of support with ends of bars hooked. Other bars are to extend straight through in bottom with ends of bars hooked.

TYPICAL BEAM DETAILS



SECTION "K-K"
Scale: 3/8" = 1'-0"

CONCRETE SLAB SCHEDULE

MARK	THK.	MAIN STEEL	TEMP. STEEL	REMARKS
S1	4"	1/2 @ 12 Alt. St. & Bt.	3/8 @ 18	
S2	4	1/2 @ 10 Alt. St. & Bt.	3/8 @ 18	Add 1/2 @ 18" × 5'-0" in Top over support where shown
S3	4	1/2 @ 12 T. & B.	3/8 @ 18	
S4	4	1/2 @ 6 Alt. St. & Bt.	3/8 @ 18	
S5	4 1/2	1/2 @ 12 Alt. St. & Bt.	3/8 @ 16	Add 1/2 @ 12" × 7'-0" in top over support where shown
S6	5	1/2 @ 12 Alt. St. & Bt.	3/8 @ 14	Add 1/2 @ 12" × 7'-0" lg. in top over support where shown
S7	4	1/2 @ 8 Alt. St. & Bt.	3/8 @ 18	

BEARING PLATE SCHEDULE

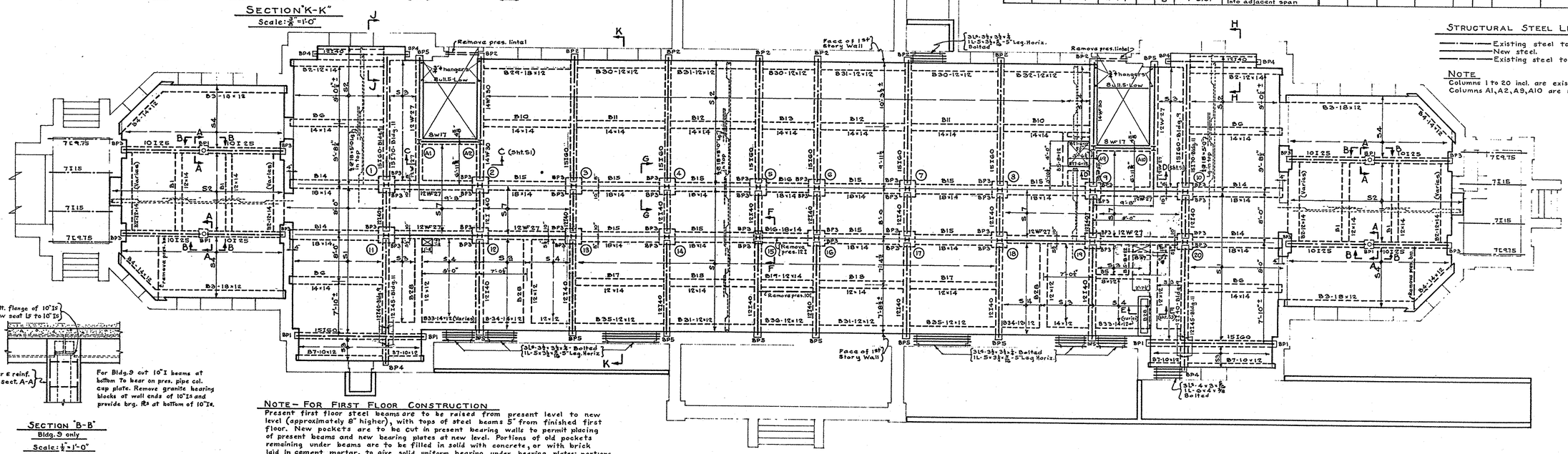
MARK	SIZE
BP1	8" × 3/4" × 1'-0"
BP2	12" × 3/4" × 1'-0"
BP3	8" × 3/4" × 0'-10"
BP4	8" × 5/8" × 0'-8"
BP5	10" × 3/4" × 1'-0"

CONCRETE BEAM SCHEDULE

MARK	SIZE W×D	ST. BARS	BT. BARS	STIRRUPS NO.	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
B1	12×14	2-7/8	2-3/4	8	3/8	3, 3/4	
B2	12×14	2-3/4	2-3/4	8	3/8	3, 3/4	
B3	18×12	2-1"□	2-1 1/4	10	3/8	3, 5/6	
B4	14×12	2-5/8	2-5/8	10	3/8	5/3	
B5	8×12	2-5/8	1-5/8	—	—	—	
B6	14×14	2-1 1/4	2-7/8	8	3/8	3, 3/4	
B7	10×12	2-3/4 T.&B.	—	—	—	—	
B8	11×14	2-5/8	2-5/8	—	—	—	
B9	11×14	2-5/8 T.&B.	—	—	—	—	
B10	14×14	2-3/4	2-3/4	8	3/8	3, 3/4	
B11	14×14	2-5/8	2-5/8	6	3/8	3, 3/4	Add 1-1" ϕ × 10'-0" Lg. in top at supports
B12	14×14	2-5/8	2-5/8	6	3/8	3, 3/4	
B13	14×14	2-5/8 T.&B.	—	—	—	—	
B14	18×14	2-3/4	2-3/4	—	—	—	
B15	18×14	2-5/8	2-3/4	—	—	—	
B16	18×14	2-5/8 T.&B.	—	—	—	—	
B17	12×14	2-3/4	2-5/8	6	3/8	3, 3/4	
B18	12×14	2-5/8	2-5/8	6	3/8	3, 3/4	Add 1-1/8" × 10'-0" Lg. in top at supports
B19	12×14	2-5/8 T.&B.	—	—	—	—	
B20	12×14	1-1"□	1-1" ϕ	—	3/8	4" o.c.	Extend Bt. Bars 5'-0" into adjacent span
B21	12×14	1-1" ϕ	1-1" ϕ	—	3/8	4" o.c.	Extend Bt. Bars 5'-0" into adjacent span

CONCRETE BEAM SCHEDULE

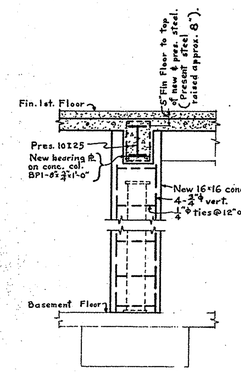
MARK	SIZE W×D	ST. BARS	BT. BARS	STIRRUPS NO.	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
B22	11×14	2-5/8	2-5/8	—	—	—	Extend Bt. Bars 4'-6" into adjacent span
B23	13×18	2-3/4	2-5/8	6	3/8	3, 3/4	
B24	18×18	2-3/4	2-3/4	22	3/8	3, 3/8, 5/4	
B25	18×18	2-5/8	2-3/4	10	3/8	3, 4/4	
B26	18×18	2-5/8 T.&B.	—	—	—	—	
B27	6×12	2-1/2	—	—	—	—	
B28	12×12	2-1 1/4	2-7/8	10	3/8	3, 4/6	
B29	18×12	2-5/8	1-7/8	—	—	—	
B30	12×12	2-3/4 T.&B.	—	—	—	—	
B31	12×12	2-5/8	2-5/8	—	—	—	
B32	12×12	1-7/8	1-7/8	8	3/8	3, 3/6	
B33	14×12	1-1 1/8	1-1"□	—	3/8	6" o.c.	Extend Bt. Bars 5'-0" into adjacent span
B34	12×12	1-1" ϕ	1-1" ϕ	—	3/8	6" o.c.	Width varies, see plan. Ext. Bt. Bars 5'-0".
B35	12×12	2-5/8	2-5/8	—	—	—	Extend Bt. Bars 4'-0" into adjacent span.
B36	12×12	2-5/8 T.&B.	—	—	—	—	
B37	11×14	1-7/8	1-1" ϕ	—	—	—	



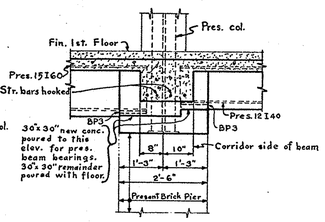
SECTION "B-B"
Bldg. 9 only
Scale: 1/8" = 1'-0"

NOTE – FOR FIRST FLOOR CONSTRUCTION

Present first floor steel beams are to be raised from present level to new level (approximately 8" higher), with tops of steel beams 5" from finished first floor. New pockets are to be cut in present bearing walls to permit placing of present beams and new bearing plates at new level. Portions of old pockets remaining under beams are to be filled in solid with concrete, or with brick laid in cement mortar, to give solid uniform bearing under bearing plates; portions of pockets above bearing plates are to be filled in solid with concrete or brick laid in cement mortar, the top 1 1/2" to be filled with a stiff mix of 1:3 cement mortar, hammered into place with a wooden hammer. Particular attention is to be given to the packing of beam pockets in interior and exterior piers carrying beams, where new openings are to be cut in one side or both sides, of the pier, to maintain full bearing area of piers.

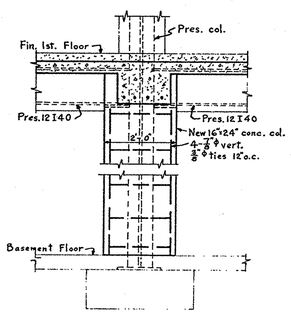


SECTION "A-A"
Bldg. 11 only
Scale: 1/8" = 1'-0"

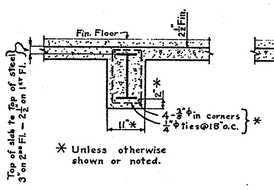


Similar on opposite side of corridor.

SECTION "G-G"
Scale: 1/8" = 1'-0"

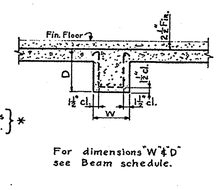


SECTION "F-F"
Scale: 1/8" = 1'-0"



* Unless otherwise shown or noted.

TYPICAL SECTION THRU PRESENT STEEL BEAMS – ALL FLOORS
Scale: 1/8" = 1'-0"



For dimensions "W" & "D" see Beam schedule.

TYPICAL SECTION THRU NEW CONC. BEAMS – ALL FLOORS
Scale: 1/8" = 1'-0"

STRUCTURAL STEEL LEGEND

- Existing steel to remain.
- New steel.
- Existing steel to be removed.

NOTE

Columns 1 to 20 incl. are existing.
Columns A1, A2, A9, A10 are new.

NOTE
ALL DIMENSIONS AND MEASUREMENTS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE

HORACE B. NICHOLSON
CONSULTING ENGINEER
223 BROAD ST. STATION
PHILADELPHIA-PENNA.

APPROVED
Commonwealth of Pennsylvania
DEPARTMENT OF WELFARE
BUREAU OF INSTITUTIONAL MANAGEMENT
Architect — Date 1-29-48
Secretary — Date 2-3-48
PROJECT P-420

SUPERINTENDENT
PHILADELPHIA STATE HOSPITAL
APPROVED — Date 2/9/48
APPROVED — FEB 3 1948
APPROVED
SUBMITTED
ACCEPTED

REVISED

FIRST FLOOR CONSTRUCTION
REMODELING FEMALE PATIENTS BUILDINGS No. 9 & 11
FOR THE
PHILADELPHIA STATE HOSPITAL
PHILADELPHIA PENNSYLVANIA
MORRIS M. PEPPER JR. REGISTERED ARCHITECT
PHILADELPHIA, PA.

DATE 1-5-46
SCALE 1/8" = 1'-0" AS NOTED
COMMONWEALTH OF PENNA.
JAMES H. DUFF
SUPT. OF BUILDINGS & GROUNDS
DEPT. OF PUBLIC WELFARE
HARRISBURG, PENNA.
SHEET No. S2