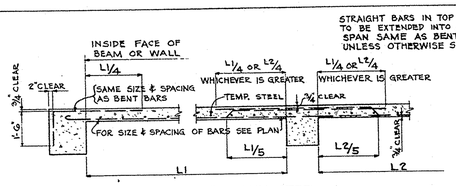
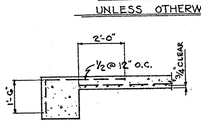
FLOOR BEAM SCHEDULE

MARK	SIZE W	SIZE D	REINFORCING LONGITUDINAL NO. & SIZE	REINFORCING LONGITUDINAL REMARKS	STIRRUPS
FB212	19½	22⅝	2-⅞	ST. IN BOTTOM	⅜ = 3, 4@9, 18" O.C.
			2-⅞ x 15'-0"	DO.	
			2-1" x 11'-0"	ST. IN TOP OVER SUPPORT AT FB211	
			2-1" x 8'-0"	DO.	
FB213	19½	22⅝	2-⅞	ST. IN BOTTOM	⅜ = 3, 4@9, 18" O.C.
			2-⅞ x 15'-0"	DO.	
			2-1"	IN TOP, TYPE 3B	
			2-1" x 11'-0"	ST. IN TOP OVER SUPPORT AT 212	
			2-1" x 8'-0"	DO.	
FB214	16	37⅛	4-¾	2-¾ ST. IN BOTTOM, 2-¾ ST. IN TOP	NONE
FB215	9	33¾	2-¾	ST. IN BOTTOM	10-⅜ = 5@6
FB216	10	21	2-⅞	ST. IN BOTTOM	12-⅜ = 3, 5@9
			1-⅞	BENT	
FB217	16	21⅛	2-1¼	ST. IN BOTTOM, SEE DETAIL FOR R.W.C. (SHT. S19)	26-½ = 2, 5@6, 7@9
			2-1"	BENT, TYPE 1G, SEE DETAIL FOR R.W.C. (SHT. S19)	
			2-⅞	IN TOP, TYPE 3J	
FB218	20	16	2-¾	ST. IN BOTTOM, SEE DETAIL FOR R.W.C. (SHT. S19)	8-⅜ = 4@6
			2-1¼ x 7'-0"	ST. IN BOTTOM OVER SUPPORT AT FB217, SEE DETAIL FOR R.W.C. (SHT. S19)	
			2-1¼ x 22'-0"	ST. IN TOP, SEE DETAIL FOR R.W.C. (SHT. S19)	
FB219	16	21¼	4-1"	2-1" ST. IN BOTTOM, 2-1" BENT	14-¾ = 3, 2@6, 4@9
FB220	16	21⅛	2-⅞	ST. IN TOP	6-⅜ = 3, 2@6
FB221	16	21⅛	2-⅞	ST. IN BOTTOM, EXTEND FULL LENGTH INTO FB220 & FB222	NONE
			2-⅞	ST. IN TOP	
FB222	16	21⅛	2-⅞	ST. IN TOP	NONE
FB223	12	16	2-¾	ST. IN BOTTOM	
			1-¾	BENT	
FB224	14	16	2-¾	ST. IN BOTTOM	NONE
			1-⅞	BENT	
FB225	10	17	2-¾	ST. IN BOTTOM	NONE
			1-¾	BENT	
FB226	12	20	2-⅞	ST. IN BOTTOM	14-½ = 3, 2@6, 4@9
			2-1"	BENT	
FB227	12	20	2-⅞	ST. IN BOTTOM	14-½ = 3, 2@6, 4@9
			2-1"	BENT	
FB228	14	20	2-1¼	ST. IN BOTTOM	16-⅜ = 3, 3@6, 4@9
			2-1⅛	BENT	
FB229					
FB230	16	37⅛	2-¾	ST. IN BOTTOM	NONE
			2-⅞ x 20'-0"	ST. IN TOP	
FB231	14	21⅛	2-⅞	ST. IN BOTTOM	6-⅜ = 3, 2@9
			2-⅞ x 18'-0"	ST. IN TOP	
FB232	14	21⅛	2-⅞	ST. IN BOTTOM	6-⅜ = 3, 2@9
			2-¾	IN TOP, TYPE 3C	
FB233	20	16*	2-1¼	ST. IN BOTTOM, EXTEND 2'-0" INTO FB58	14-½ = 3, 1@9 EXTERIOR END 14-½ = 3@3, 3@6, 8@9 INT. END
			4-1"	AT EXTERIOR END SEE SECTION 4-4, SHT. S12	
			4-1⅛	IN TOP, TYPE 3H	
			* HAUNCH BEAM AT EXTERIOR END 7⅛" = 6'-0"		
FB234	14	16	2-¾	CONT. IN TOP & BOTTOM	NONE
FB235	12	18	2-¾	TOP & BOTTOM	NONE



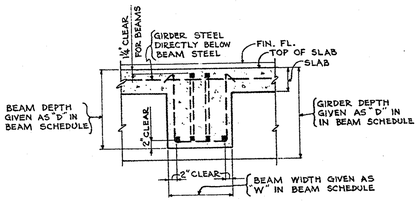
STRAIGHT BARS IN TOP OF SLABS TO BE EXTENDED INTO ADJACENT SPANS SAME AS BENT BARS UNLESS OTHERWISE SHOWN OR NOTED.

PARALLEL TO MAIN STEEL
UNLESS OTHERWISE SHOWN OR NOTED

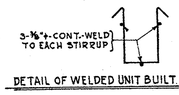


PERPENDICULAR TO MAIN STEEL

DETAILS OF ADDED REINFORCING IN TOP OF ONE-WAY SLABS AT SPANDREL BEAMS & SPANDREL WALLS



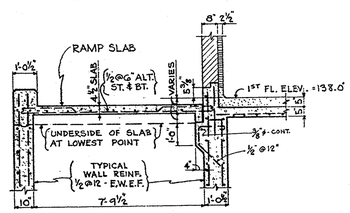
TYPICAL SECTION THRU BEAM



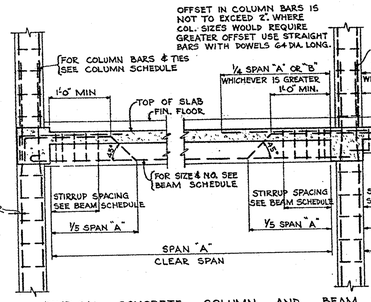
DETAIL OF WELDED UNIT BUILT TYPE STIRRUPS

LINTEL SCHEDULE	
MARK	DESCRIPTION
L1	L 4 x 3½ x 5/16
L2	3-L 3 x 3½ x 5/16
L3	L 4 x 3½ x ¼
L4	2-L 5 x 3½ x 5/16
L5	2-L 4 x 3½ x 5/16 L 3 x 2½ x 5/16
L6	L 5 x 3½ x 5/16

LINTELS IN SCHEDULE ARE LOOSE UNLESS OTHERWISE SHOWN OR NOTED.

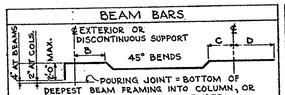


SECTION 1-1
SCALE: ⅜" = 1'-0"
SEE SHT. S5



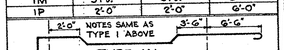
TYPICAL CONCRETE COLUMN AND BEAM DETAILS SHOWING ARRANGEMENT OF REINFORCEMENT

BEAM BARS

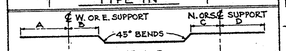


TYPE 1

TYPE	B	C	D
1A	2'-6"	3'-0"	7'-0"
1B	3'-0"	STD.	6'-0"
1C	2'-6"	STD.	1'-0"
1D	3'-0"	STD.	5'-0"
1E	2'-6"	3'-6"	7'-0"
1F	3'-0"	3'-6"	7'-0"
1G	STD.	STD.	3'-0"
1H	2'-0"	2'-0"	2'-0"
1J	2'-6"	2'-0"	2'-6"
1K	STD.	STD.	1'-0"
1L	STD.	STD.	4'-0"
1M	STD.	STD.	5'-0"
1P	2'-0"	2'-0"	6'-0"

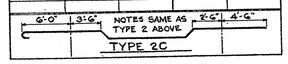


TYPE 1N



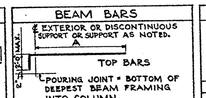
TYPE 2

TYPE	A	B	C	D
2A	6'-0"	3'-6"	2'-6"	4'-6"
2B	3'-0"	STD.	STD.	3'-0"



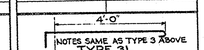
TYPE 2C

BEAM BARS



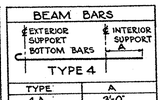
TYPE 3

TYPE	A
3A	19'-9"
3B	5'-0"
3C	3'-0"
3D	17'-0"
3E	26'-6"
3F	11'-6"
3G	15'-0"
3H	6'-0"
3J	4'-0"
3K	14'-6"
3M	25'-9"
3N	10'-0"



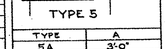
TYPE 3L

BEAM BARS



TYPE 4

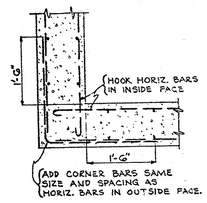
TYPE	A
4A	3'-0"
4B	1'-0"
4C	2'-0"



TYPE 5

TYPE	A
5A	3'-0"
5B	1'-0"

NOTE:
STRAIGHT BARS WHICH ARE OF A DIFFERENT LENGTH THAN SPAN LENGTH ARE TO BE CENTERED ON ℄ OF SPAN UNLESS OTHERWISE SHOWN OR NOTED.
STRAIGHT BARS IN TOP OVER SUPPORT ARE TO BE CENTERED ON ℄ OF SUPPORT UNLESS OTHERWISE SHOWN OR NOTED.



PLAN DETAIL OF WALL REINFORCING AT ALL CORNERS

GENERAL NOTES

1- MATERIALS, FABRICATION AND PLACING OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318-47) OF THE AMERICAN CONCRETE INSTITUTE.
2- ALL CONCRETE SHALL BE STONE CONCRETE AND SHALL HAVE AN ESTIMATED STRENGTH OF 3300 LBS. PER SQ. IN. IN 28 DAYS, UNLESS OTHERWISE SHOWN OR SPECIFIED. SEE SPEC S.
3- REINFORCING STEEL SHALL BE OF INTERMEDIATE GRADE BILLET STEEL.
4- ALL CONCRETE SLABS SHALL BE POURED MONOLITHIC WITH CONCRETE BEAMS AND GIRDERS UNLESS OTHERWISE SHOWN OR NOTED.
5- PROVIDE THE FOLLOWING TEMPERATURE STEEL IN ONE WAY SLABS AT RIGHT ANGLES TO MAIN REINFORCING IN ROOF AND FLOOR SLABS UNLESS OTHERWISE SHOWN OR NOTED:

4" TO 5" FLOOR, ROOF, & OUTSIDE SLABS	= ⅜@12
5½ TO 6" ROOF, & OUTSIDE SLABS	= ⅜@9
5½" TO 6" FLOOR SLABS	= ⅜@10
6½" TO 7½" ROOF, & OUTSIDE SLABS	= ½@12
6¾" TO 7½" FLOOR SLABS	= ⅜@9

6- PROVIDE 6"x6"-4/4 WELDED WIRE MESH IN SLABS BEARING ON GROUND UNLESS OTHERWISE SHOWN OR NOTED.
7- PROVIDE ⅜ø @15 EACH WAY IN FILL WHERE RADIANT HEAT PIPES OCCUR.
8- PROVIDE 6"x6"-10/10 WELDED WIRE MESH IN 2¾" & 3" FILLS.
9- ALL STIRRUPS IN CONCRETE BEAMS AND GIRDERS SHALL BE WELDED UNIT BUILT TYPE. SEE DETAIL THIS SHEET.
10- ALL REINFORCING BARS SHALL LAP AT LEAST 32 DIAM. AT SPLICES UNLESS OTHERWISE SHOWN OR NOTED.
11- PROVIDE ⅜ø @ 4'-0" LONG @12" O.C. IN TOP OF SLAB OVER BEAMS PARALLEL TO ONE-WAY MAIN SLAB REINFORCEMENT.
12- WALL FOOTINGS ARE TO HAVE (3") PROJECTION (6") THICK UNLESS OTHERWISE SHOWN OR NOTED.
13- FOR SIZES AND LOCATION OF OPENINGS AND SLEEVES IN FLOOR SLABS AND WALLS NOT SHOWN ON STRUCTURAL DRAWINGS SEE MECHANICAL DRAWINGS.
14- ALL REINFORCING BARS IN BEAMS AND SLABS ARE TO BE SHOP BENT.
15- COLUMN AND FOOTING SIZES ON PLANS AND IN COLUMN SCHEDULE ARE ARRANGED TO INDICATE THEIR DIRECTION; THE FIRST DIMENSION GIVEN IS IN THE EAST AND WEST DIRECTION, THE SECOND DIMENSION IS IN THE NORTH AND SOUTH DIRECTION; THUS A COLUMN SIZE GIVEN AS 16 x 14 INDICATES THAT THE 16" DIMENSION RUNS EAST AND WEST AND THE 14" DIMENSION RUNS NORTH AND SOUTH.
16- ALL REINFORCING STEEL SHOP DRAWINGS ARE TO BE COMPLETELY DIMENSIONED SHOWING LOCATION OF FOOTINGS, PITS, COLUMNS, BEAMS, OPENINGS IN SLABS AND WALLS, ETC.
17- ACCESS PANEL, DUCT, & OTHER OPGS SHALL HAVE REINFORCED TILE LINTELS FOR OPENINGS TO 5'-0" WIDE; FOR OPENINGS MORE THAN 5'-0" WIDE USE IL-5 x 3½ x ¾ LINTEL.
18- SPANDREL WALLS TO BE BUILT UP SOLIDLY AGAINST UNDERSIDE OF SPANDREL BEAMS.
19- WHERE WINDOW, DOOR AND OTHER OPENINGS OCCUR IN REINFORCED CONCRETE WALLS, ADDITIONAL REINFORCEMENT SHALL BE PLACED AROUND THE OPENINGS. THERE SHALL NOT BE LESS THAN TWO (2) FIVE-EIGHT (⅝) INCH DIAMETER BARS AROUND ALL OPENINGS AND SUCH BARS SHALL EXTEND AT LEAST TWENTY-FOUR (24) INCHES BEYOND THE CORNER OF THE OPENINGS.
20- SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL SHEETS FOR SPECIAL FOUNDATIONS FOR SPECIAL EQUIPMENT.
21- FOR INTERIOR PRECAST TILE AND ANGLE LINTELS SEE ARCHITECTURAL SHEETS.

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE

HORACE B. NICHOLSON
CONSULTING ENGINEER
223 BROAD ST. STATION
PHILADELPHIA, PA.

APPROVED
Commonwealth of Pennsylvania
DEPARTMENT OF WELFARE
Secretary _____ Date _____

REVISED
AS BUILT 3/10/52

THE GENERAL STATE AUTHORITY
APPROVED Oscar N. Lindahl 1-18-50 EXECUTIVE DIRECTOR
APPROVED J. Jones DIRECTING ENGINEER
SUBMITTED ARCHITECTS
APPROVED DEPT. OF WELFARE 11/9/50
APPROVED DEPT. OF PROPERTY & SUPPLIES
APPROVED DEPT. OF HEALTH
ACCEPTED CONTRACTOR BY
ACCEPTED CONTRACTOR BY
ACCEPTED CONTRACTOR BY

PROJECT No. - GSA - 510-1
PHILADELPHIA STATE HOSPITAL
PHILADELPHIA PENNSYLVANIA
TUBERCULAR PATIENTS' BUILDING N-10
BEAM SCHEDULE
#3 OF 3
DAVIS AND POOLE, 112 S. 16th ST. — REGISTERED ARCHITECTS, PHILADELPHIA, PENNA.
1949 PROGRAM DATE JAN. 16, 1950 SCALE AS NOTED
THE GENERAL STATE AUTHORITY
JAMES H. DUFF PRESIDENT
OSCAR N. LINDAHL EXEC. DIRECTOR
HARRISBURG, PENNSYLVANIA
SHEET No. S-16
CHECKED FOR G. S. A.
SUPV. ARCH. JAR 1/11/50 | ARCH. | STRUCT. EM 1/12/50 | MECH. | ELEC.