# FIRST FLOOR FRAMING PLAN SECTOR C

SCALE: 1/8" = 1'-0"

NOTES:

1) TOP OF SLAB ELEVATION +14'-8" FROM DATUM ELEVATION 0'-0", UNLESS NOTED OTHERWISE.

2) TOP OF STEEL -6 1/4" FROM TOP OF SLAB ELEVATION, UNLESS NOTED OTHERWISE.

3) S1 INDICATES 3 1/4" LIGHTWEIGHT CONCRETE COVER W/ 6X6-W2.0XW2.0 WWF OVER 3"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (6 1/4" TOTAL THICKNESS). PROVIDE 3/4" DIAM. X 5 1/2" COMPOSITE SHEAR STUDS.

S2 INDICATES 3 1/4" NORMAL WEIGHT CONCRETE COVER W/ 6X6-W2.0XW2.0 WWF OVER 3"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (6 1/4" TOTAL THICKNESS). PROVIDE 3/4" DIAM. X 5 1/2" COMPOSITE SHEAR STUDS.

S3 INDICATES 5" NORMAL WEIGHT CONCRETE COVER W/ 6X6-W2.9XW2.9 WWF OVER 3"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (5" TOTAL THICKNESS). PROVIDE 3/4 " DIAM. X 5 1/2" COMPOSITE SHEAR STUDS.

S4 INDICATES 4" NORMAL WEIGHT CONCRETE COVER W/ 6X6-W2.9XW2.9 WWF OVER 3"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (7" TOTAL THICKNESS). PROVIDE 3/4" DIAM. X 5 1/2" COMPOSITE SHEAR STUDS.

S5 INDICATES 3 1/4" LIGHTWEIGHT CONCRETE COVER W/ 6X6- W2.0XW2.0 WWF OVER 2"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (5 1/4" TOTAL THICKNESS.) PROVIDE 3/4 " DIAM. X 4 1/2 " COMPOSITE SHEAR STUDS. PROVIDE AT ALL 1" FLOOR DEPRESSIONS.

S6 INDICATES 3 1/4" LIGHTWEIGHT CONCRETE COVER W/ 6X6-W2.0XW2.0 WWF OVER 2"-18 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (5 1/4" TOTAL THICKNESS). PROVIDE 3/4 " DIAM. X 4 1/2" COMPOSITE SHEAR STUDS. PROVIDE AT ALL FUTURE 1" FLOOR DEPRESSIONS. INSTALL LAYER OF BUILDING PAPER AND POUR 1" OF HIGH STRENGTH, NON-SHRINK GROUT TO MATCH SURROUNDING FINISH FLOOR ELEVATION.

S7 INDICATES 2 1/2" NORMAL WEIGHT CONCRETE COVER W/ 6X6-W2.0XW2.0 WWF OVER 1 1/2"-20 GA. (GALV.) LOK-FLOOR COMPOSITE DECK (4" TOTAL THICKNESS).

S8 INDICATES 8" NORMAL WEIGHT CONCRETE COVER W/ 6X6-W2.9XW2.9 WWF OVER 1 1/2"-22 GA. (GALV.) TYPE "B" METAL ROOF DECK (9 1/2" TOTAL THICKNESS).

G1 INDICATES SPAN OF GALVANIZED STEEL GRATING WITH 1 3/4" X 3/16" BEARING BARS @ 1 3/16" ON-CENTER AND CROSS BARS @ 4" ON-CENTER.

D1 INDICATES 1 1/2"-22 GA. (GALV.) TYPE "B" METAL ROOF DECK.

4) "( )" INDICATES QUANTITY OF COMPOSITE SHEAR STUDS. SEE SLAB DESIGNATIONS FOR STUD LENGTHS.

5) "c =" INDICATES AMOUNT OF UPWARD CAMBER TO BE PROVIDED.

6) INDICATES MOMENT CONNECTION FOR GRAVITY LOADS. SEE TYPICAL DETAIL ON S-401.

7) INDICATES FLEXIBLE MOMENT CONNECTION FOR LATERAL LOADS, SEE TYPICAL DETAIL ON S-402.

8) INDICATES SLIDE BEARING CONNECTION, SEE TYPICAL DETAIL ON S-402.

9) BF INDICATES VERTICAL BRACED FRAME, SEE S-500 FOR ADDITIONAL INFORMATION.

10. "WP" INDICATES EMBEDDED WALL PLATE. REFER TO "TYPICAL STEEL BEAM TO CAST IN PLACE CONCRETE WALL" DETAIL ON SHEET S-401.

11) ALL NON-COMPOSITE AND COMPOSITE BEAMS/GIRDER CONNECTIONS NOT CONNECTED TO COLUMNS SHALL BE DESIGNED FOR A MINIMUM UNFACTORED VERTICAL REACTION OF 15 KIPS, UNLESS NOTED GREATER. CONNECTIONS TO COLUMNS TO BE PER GENERAL NOTES. ALL REACTIONS SHOWN ON PLAN ARE SERVICE LOADS

12) ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIP GALVANIZED.

13) " ★ " INDICATES THAT THE SPANDREL BEAM IS DESIGNED TO SUPPORT PRECAST PANEL GRAVITY LOADS AT THESE LOCATIONS. P/C MFR. TO PROVIDE FINAL SUPPORT LOCATIONS SO STRUCTURE LOADS ARE CONFIRMED.

14) 4/S INDICATES TO DESIGN BEAM TO COLUMN CONNECTIONS TO TRANSFER TENSION AND COMPRESSION LOADS TO ADJACENT BRACED FRAME. SEE S-500 FOR LOADS.

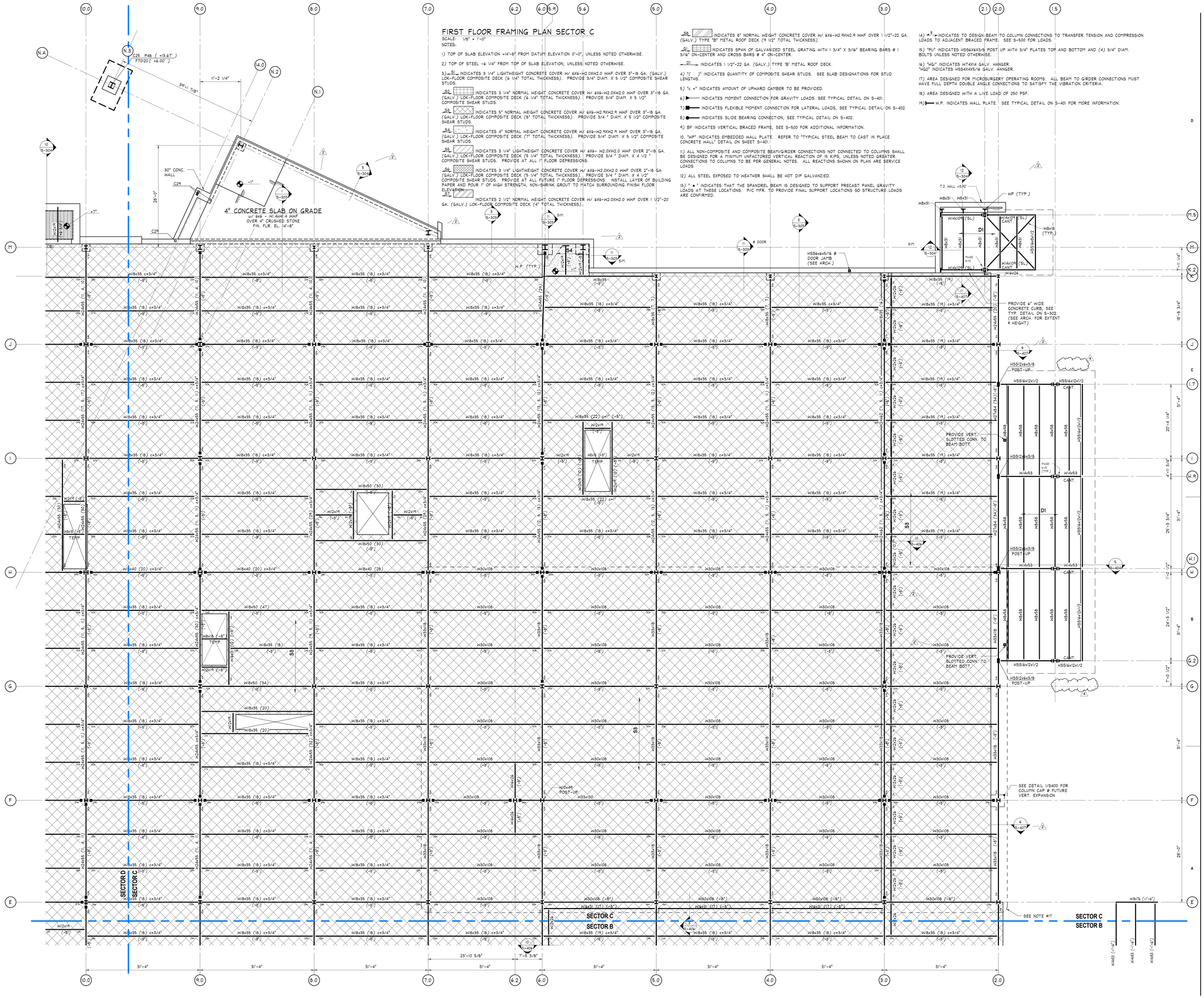
15) "PU" INDICATES HSS6X6X3/8 POST UP WITH 3/4" PLATES TOP AND BOTTOM AND (4) 3/4" DIAM. BOLTS UNLESS NOTED OTHERWISE.

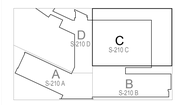
16) "HG1" INDICATES W14X14 GALV. HANGER.
"HG2" INDICATES HSS4X4X5/16 GALV. HANGER.

17) AREA DESIGNED FOR MICROSURGERY OPERATING ROOMS. ALL BEAM TO GIRDER CONNECTIONS MUST HAVE FULL DEPTH DOUBLE ANGLE CONNECTIONS TO SATISFY THE VIBRATION CRITERIA.

18) AREA DESIGNED WITH A LIVE LOAD OF 250 PSF.

19) W.P. INDICATES WALL PLATE. SEE TYPICAL DETAIL ON S-401 FOR MORE INFORMATION.




Key Plan - First Floor

PERKINS + WILL

**New Regional Medical Center**

**East Norriton, PA**


ARCHITECT
Perkins + Will
1717 Arch Street Suite 3920
Philadelphia, Pennsylvania 19103
t 215.569.1920
f 215.569.1935

Civil Engineers
Bohler Engineering
1600 Manor Drive, Suite 200
Chalfont, Pa 18914
P: 215.996-9100
F: 215.996-9102

Landscape Architect
Wells Appel
1516 Locust Street
Philadelphia, PA 19102
P: 215.731.1577
F: 215.731.1580

Structural Engineers
O'Donnell & Naccarato
111 South Independence Mall East,Suite 950
Philadelphia, PA 19106
P: 215.505.3788
F: 215.627.1051

MEP & FIRE PROTECTION ENGINEERS
PWI Engineering
327 N. 17th St.
Philadelphia, PA 19103
P: 215.241.9100
F: 215.241.9112

Traffic Engineers
Traffic Planning and Design, Inc.
2 Riverside Drive, Suite 506
Camden, NJ 08103
P: 856.966.4242
F: 856.966.4250


**ISSUE FOR FHA CLOSING 06-14-2010**

**CHANGE PROPOSAL #2 06-14-2010**

| NO | ISSUE | DATE |
|---|---|---|
| C | ISSUE FOR GMP, PERMIT, PADCH APPROVAL 12-08-09 | 12-08-09 |
| 1 | ISSUE FOR EARLY BID | 02-10-10 |
| | ISSUE FOR FHA CLOSING | 02-17-10 |
| 2 | ISSUE FOR CONSTRUCTION | 03-05-10 |
| 4 | ISSUED FOR FHA CLOSING PROPOSAL REQUEST #2 | 06/14/10 |

| Sheet Information | |
|---|---|
| Date | 10-30-2009 |
| Job Number | 0365.0017.00 |
| Drawn | JJB |
| Checked | MEH |
| Approved | MEH |

Title

**FIRST FLOOR FRAMING PLAN SECTOR C**

Sheet

**S-210 C**

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