

FIELD REPORT #6

**SRG Engineering, Inc.
P. O. Box 925
Gray, ME 04039-0925
Tel:(207)-657-7323 Fax:(207)-657-7342**

**Project No.:07-003 Date: March 30, 2007
Project Name: Mercy Hospital
Project Location: Portland, Maine
Weather Conditions: Sunny, upper 40's
Contact Person(s): Steven Grant-SRG Eng.
 James Lanza-Gilbane Co.**

Discussion/Observations: Level 2

**Copies To: Shawn Welty-KLMK
 Roger Domingo-SWC
 James Lanza-Gilbane
 Paul Stevens-SMRT
 Janusz Wszola (EOR)-SMRT
 Cathy Streifel-SMRT**

SRG Observations: (Level 1)

- 1. Slab was just placed by Pride Concrete Floors between Grids 1 and 3 prior to arrival. Slab finishing taking place. (See attached photos 2 through 8)

SRG Observations: (Level 2)

- 1. Floor deck as welded at 12"o.c. at all interior beam locations observed, and maximum 18"o.c. at beams parallel to deck.
ACTION REQUIRED: NONE
- 2. Sidelap screws observed were spaced not more than 24"o.c. (See attached photo 9) **ACTION REQUIRED: NONE**
- 3. SRG checked shear stud quantity and layout. Many locations either had too few studs, incorrect quantity for each half span, or require more studs due to being located on the "weak—side" of rib. Please see attached copy of Sheet No. SF-102 for SRG field notes. **ACTION REQUIRED: Contractor to field review all beams and correct beams noted on attached plan.** QA labs marked studs needing corrective work in orange from their previous site visit, and SRG marked in blue during today's visit.
Special Note: W24x55 at grid line 1 between G and H line have numerous studs spaced closer than 4 1/2" o.c. (See attached photo 9) **ACTION REQUIRED: Contractor to review this W24 beam and make shear studs correct.** Also, W36x182 at grid line 3 between B and C line has fewer studs than required and also has improper spacing. **ACTION REQUIRED: Contractor to review this W36 beam and make shear studs correct.** W30x116 beam at grid line A from 4 to 5 has incorrect stud quantity at each end of beam as specified by SMRT. For example, there are only 2 studs at the east end of the beam when there should be 8, and while there is only 10 studs at the west end of the beam when there should be 20. There are supposed to be no studs adjacent to the floor opening. **ACTION REQUIRED: Contractor to review this W30 beam and make shear studs correct.**
- 4. Column F-4 web connection: Web bolt is not tight, twist off has not occurred. (See attached photo 12) **ACTION REQUIRED: Contractor to tighten appropriately.**
- 5. Grid C-2 and C-3 brace connection: Lower bolt is not tight, twist off has not occurred. (See attached photo 21) **ACTION REQUIRED: Contractor to tighten each location appropriately.**
- 6. At beams that have a low-end of brace gusset attached, there are some beams that have no shear studs along the length of gusset. (See attached photo 24) **ACTION REQUIRED: Contractor to check each brace location to be sure studs are provided accordingly.**
- 7. Jim Lanza indicated the concrete slab at Level 2 is supposed to be placed this coming Wednesday (4/04/07) or Thursday (4/05/07), depending on the weather.

Diagrams: (Please see attached SRG Photos 1 through 36)

C: File

Signed: _____