

**FIELD REPORT #5**

**SRG Engineering, Inc.  
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**Project No.:07-003    Date: March 13, 2007  
Project Name:        Mercy Hospital  
Project Location:    Portland, Maine  
Weather Conditions: Sunny, low 40's  
Contact Person(s):   Steven Grant-SRG Eng.  
                                 James Lanza-Gilbane Co.**

**Discussion/Observations:    Levels 1, 2, 3**

**Copies To: Shawn Welty-KLMK  
               Roger Domingo-SWC  
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               Paul Stevens-SMRT  
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**SRG Observations: (Level 1)**

1. Slab almost completely placed between Grids 3 and 5. (See SRG photos 5, 18, 19, and 20)
2. QA Lab shear stud inspection (3/9/07 and 3/12/07) was marked by Orange paint. Additionally, SRG marked failed shear studs with Blue paint during today's site visit. **ACTION REQUIRED: Contractor to correct shear studs on beams where painted orange and blue and then to notify S.W. Cole so QA Labs can perform their Final Inspection at Level 2. Inform SRG when complete.** (See SRG photos 1 - 5 of 21)
3. SRG checked depressed slab area for freezer at Grid E between 1 and 2 line, and found some failed shear studs due to being located on the incorrect side of deck flute with respect to beam span. Jim Lanza informed the stud welder of required studs to be added before concrete is placed. **ACTION REQUIRED: Contractor to correct shear studs on beams where painted blue before placing concrete. (It appears that QA Labs did not check this area since no orange paint was evident.)**

**SRG Observations: (Level 2)**

1. SRG did initial observation of shear studs at Level 2 and noticed that QA labs has not completed their inspection. It appeared QA ran out of orange spray paint after only checking between Grid A to B from 3 to 5 line, and Grid B to C from 4 to 5. SRG noticed numerous studs (appeared better than Level 1) at the incorrect side of deck flute with respect to the beam span at other locations that had not been checked by QA Labs. As a result, SRG will come back end of next week to perform our Level 2 walk-thru after QA Labs has a chance to complete their work on this level. (See SRG photos 7-17 of 21) **ACTION REQUIRED: S.W. Cole to notify SRG after QA Labs has completed Level 2 inspection.**

**SRG Observations: (Level 3)**

1. Jim Lanza asked SRG to do an initial cursory observation of stud layout to see if the welder is on the right track. Good news, shear stud layout appears to be better than previous initial observation at Level 1. (SRG did not perform stud count and/or stud layout verification with plans at this time.) **ACTION REQUIRED: S.W. Cole to notify SRG after QA Labs has completed Level 3 inspection.**

**Diagrams:** (Please see attached SRG Photos 1 through 21)

**C: File**

**Signed: \_\_\_\_\_**