

FIELD REPORT OF SITE VISIT ON FRIDAY, 23TH JULY, 2010 ON HIGH SCHOOL ADDITIONS AND RENOVATIONS AT DARROUZETT HIGH SCHOOL CAMPUS.

At the request of Mr. Joe Grimes of Grimes and Associates, I made a field visit to the above mentioned project site with Mr. Joe Grimes. The following persons were also present at the site, Mr. Bruce Cowen, Mr. Derek Hawthorne and Mr. Russell.

1. It was noted on the previous field report of May 13, 2010 that "LeJeune Bolts" (tension-controlled bolts) have been used throughout the structure. It was brought to the attention of the steel erector that these bolts are to be torqued properly using a special device for this purpose. Once, the proper torque is applied to the nut, the tail the "LeJeune Bolt" breaks loose from the main bolt. It is reported that the device has been purchased and is on the site. But none of the bolts have been torque yet. Mr. Derek Hawthorne has been urged to see that all the bolts are torque properly prior to placing the floor deck forms.
2. It was observed that #5 dowels from the ICF block grade beams have been missed. It is recommended to provide the #5 dowels, drill and grout into the concrete with minimum of 12" embedment. The holes shall be made slightly oversize and all the dust shall be blown out using compressed air, or use vacuum cleaner to clean-out the drilled holes. The holes shall be dust free and dry prior to applying epoxy materials.
3. Refer to Sketch No. 1 (prepared by Mr. Joe Grimes). The wide flange beam, supported by the newly placed pier cap is to be terminated at the inside face of the outside shell of the ICF block, leaving approximately 1" clearance. The inside shell of the ICF block shall be formed tight with beam to prevent leakage of cement paste while placing concrete in the ICF blocks.
4. Wherever the joists are supported by ICF block walls, bearing plates shall be set into the block wall concrete at proper elevation. The center of the bearing plate shall line up with the centerline of joists.
5. The floor slab over the joists shall be terminated at the inside face of the ICF blocks. The L3x3x1/4" continuous deck angle shall be moved to the inside face of the block (Refer to the Revised Supplementary Drawings SD-44 and SD-45). At the area of slab that is parallel to the joists, there shall be a joist approximately 4" (maximum) away from the block wall, and continuous deck angle shall be welded to this joist. At the area perpendicular to the joists, the continuous deck angle shall be welded to the joists at joist intersections.
6. It was observed that the hooks of the #3 stirrups have been cut off. At this instance, it is recommended that the horizontal #4 bars to be tied to the #3 stirrup bars.
7. North Entrance Area, Floor level. The floor beams, W18x35 running north-south direction along grids M and P, and to the north of grid 17, shall stop at the doorway area. Provide attached concrete pilasters as shown in the item #3. The end of beam shall be at the inside face of the outside face shell of ICF blocks. Refer to sketch No.1 (prepared by Mr. Joe Grimes). Outside of the doorway, the porch slab shall be a concrete slab on grade in lieu of the structural slab shown. Refer to architectural site plans for the porch slab elevations and other adjoining sidewalk, ramp and stair details.

North Entrance Area, Roof level. Set the roof beams W16x26 along grids M and P, to north of grid 17 all the way to the outside wall, as shown on the plan. Provide supports for the beams with beam bearing blocks, and beam bearing pads (steel) as shown on the typical detail on Sheet S7. Provide 2- #5 x4'-0" long horizontal bars in the bearing block just as a standard bond beam. Provide these supports at the doorway area and also at the far north on the outside wall. There is a lintel wall to be provided at the entrance. Refer to 02/A11 and also typical lintel details (L2) on sheet S8.

8. Electrical Panel special treatment: to be addressed by Mr. Joe Grimes.

9. East Entrance Area, floor level. Eliminate beams W16x36 and W16x26 along grids 5 and 8, and between grids Q and R. Also, eliminate beam w16x36 along grid R between grids 5 and 8. Refer to revised plan and detail drawings.

The porch area to the left of the east wall shall be structural concrete slab over joists. The joists at the porch area shall be supported by the steel bearing pads with stud anchors, embedded into ICF block wall concrete. The joist bearing shall be slightly at a varying slope to accommodate the slope for the porch slab for proper drainage. Refer to Revised Plan for information. The porch slab east of the long east wall shall be concrete slab on grade, Refer to architectural details for this and sidewalks, steps and ramps.

At the column locations of grid intersection R5 and R8, Provide a pier cap of size 2'-0"x3'-0", with top of pier cap being at 99'-4". This is to be done only after the steel columns are erected. The pier cap shall be a formed pier cap, some portion of this cap may be exposed, and those surfaces must have a rubbed clean finish.

10. North Roof Frame: This is already described and clarified on Para 7.

11. Upper beam at the North Area. A sketch clarifying this area was given to Mr. Derek Hawthorne; however a detailed sketch is attached here (Refer To SD-47)