



Heitmann & Associates, Inc.

Site Observation Visit# 01

Report #01-Waterproofing

Project Name: Webster University- ISB
Project Location: Webster Groves
Project Number: 2014061.20
Client: Webster University
Report Prepared By: George Crow - Heitmann & Associates, Inc.
Date of Report: September 16, 2016

A. Introduction

1. Heitmann & Associates, Inc. (HAI) representative George Crow arrived at the project site on Tuesday August 24, 2016 to review the waterproofing installation at the Level 0 Foundation.

B. General Status

1. Due to a significant amount of rainfall the previous day, the construction crew was in the process of dewatering the foundations at Level 0. The flexible piping viewed in the photographs in this report is temporary being used for dewatering.
2. Superior waterproofing was in the process of installing the waterproofing membrane, drainage mat and rigid insulation board along column line 5 (Refer to Item 01.1).
3. Superior's representative indicated that the pipe sleeve penetration through the foundation wall at column line 5 was sealed with waterproofing membrane (Refer to Item 01.2).
4. As a result of the previous day's rainstorm, at some locations the foundation walls had a film of dirt on the surface. The construction crew was in the process of cleaning the foundation walls with a water hose in preparation for installation of the waterproofing membrane (Refer to Item 01.3).
5. The rigid insulation board was being installed by adhesively attaching the base plate of the stick pins to the previously installed sheet membrane. The drainage mat and insulation board were then slid over the stick pins with the insulation being secured with plates on the stick pins (Refer to Item 01.4). Several locations were checked and found that the insulation was properly secured.

C. Observations & Comments

ITEM #	DATE	DESCRIPTION		COMMENTS/ RESOLUTION	STATUS
01.1	8-24-16	View looking North along column line 5		Installation of sheet membrane waterproofing, drainage mat and rigid board insulation in progress. Work to this point is acceptable	Installation progressing
01.2	8-24-16	Pipe penetration in foundation wall at column line 5.		Pipe sleeve installed and sealed to foundation wall with waterproofing membrane.	When pipe is installed through sleeve- "Link Seal" is required per Detail 3/ P0501.
01.3	8-24-16	View looking East at foundation wall on column line 6 between column lines C.3 and B.3.		In the process of dewatering the foundation and cleaning foundation wall.	In progress

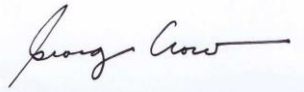
01.4	8-24-16	View of foundation wall corner at the intersection of column lines 5 and C.3.		View shows typical installation of waterproofing membrane, drainage mat with the rigid insulation board secured to the foundation wall with stick pins.	The installation in general followed good practice. The terminations at the grade beam were not completed during this review.

Summary

The waterproofing installation at Level 0 is progressing in spite of some delays caused by rainfall. Cleaning of the foundation walls was being conducted to prepare for subsequent installation of the sheet waterproofing. The field of the water proofing installation was consistent with expected good practice. At this review the base and edge terminations were not completed, as the installation was in process.

END OF REPORT

Respectfully Submitted
George Crow AIA, CSI, CCS, LEED AP

A handwritten signature in black ink, appearing to read "George Crow", is written over a light blue rectangular background.

Heitmann & Associates, Inc.
Project Manager