

SPECIAL INSPECTION PLAN
Fitzpatrick Stadium Bleacher Replacement Project
Portland, ME

Part 1 GUIDELINE

Abbreviations:

RDP – Registered Design Professional

SIC – Special Inspections Coordinator

SI – Special Inspector

TL – Testing Laboratories

BO – Building Official

The Registered Design Professional (**RDP**) that developed, stamped and signed the Official (permitted) Documents has prepared this plan, outlining the required testing and inspection program.

The Special Inspection Coordinator (**SIC**) identified in this plan shall keep records of all inspection.

The Special Inspector (**SI**) shall observe that the portions of the work identified in this plan are performed in substantial compliance with the Official (permitted) Documents and any subsequent written revisions or clarifications issued by the **RDP**. The Official Documents comprise the plans approved by the **BO**, issued amendments, specifications with associated amendments, geotechnical report, approved shop drawings and the approved Special Inspection Plan.

The **SI** shall not make any design decisions, direct the Contractor's work, be responsible for construction means and methods, be responsible for job site safety nor for enforcing or monitoring compliance with any OSHA or Labor Regulation whatsoever.

The **SI** shall hold a current and valid certificate of authorization, or license which allows the **SI** to perform this kind of work, and must possess at least 10 years of verifiable experience and be knowledgeable of the structural system being used in this project.

1.1 DUTIES

The **SIC** and **SI** must be thoroughly familiar with Project Specifications and the applicable Building Codes and are also responsible for the exercise of good judgment.

The **SIC** must bring to the attention of the Owner and **RDP** any deficiency, deviation from Official Documents or suspected deficiencies or deviations. In addition, the **SIC** must secure clarifications to the drawings and responses to field generated problems as the need arises.

Testing associated with the steel bleachers and precast foundations shall be the responsibility of the product manufacturers, herein referred to as the Testing Laboratories (TL). The design professional for these items shall be responsible specifying the required testing and inspection program.

The TL and SI shall make the SIC immediately aware of any changes, modifications done in the field, deviations from the Official Documents, poor workmanship (exposed reinforcement, excessive slumps, columns out of plumb, honeycombs, eccentricities, cracks, etc.) and areas poured or covered up without inspection.

The SIC must, as soon as possible, bring to the attention of the RDP changes generated in the field, deviations from the Official Documents and areas of poor or faulty workmanship which require resolution through directives issued by the RDP.

1.2 RESPONSIBILITY

The presence of an SI on site does not relieve the BO or the RDP of their respective responsibilities; additionally, the Contractor's contractual or statutory obligations are not in any way relieved or forgone. The Contractor has the sole responsibility for any deviations from the approved Official Documents, for quality control, for job site safety and compliance with OSHA and Labor Laws.

It is the responsibility of the SI to observe and ensure the placement and installation of structural components is in conformance with the Official Documents.

It is the responsibility of the SIC to ensure that inspections and testing occur in conformance with this plan, to bring to the attention of the RDP any observed discrepancies or deviations from the Official Documents and to issue a Final Certificate of Compliance at the end of the structural work to the BO and RDP.

The SI, TL and SIC are to provide services only with regard to the components identified within this Inspection Plan.

1.3 CONCLUSION

These Guidelines together with the Inspection Plan that follows are intended to be an outline of the minimum requirements for the performance of the SIC's work. Additional requirements may be deemed necessary during the course of construction due to the progress of and the manner in which the job is conducted by the General Contractor.

The Owner must make available to the **SIC** all pertinent documents relating to the construction of this project - Approved Shop Drawings, Precast Concrete Mix Design, etc.

Part 2 INSPECTION PLAN

2.1 SOIL

SI: Verify excavations are extended to proper depth and have reached proper and suitable material.

Verify materials below column footings are adequate to achieve the design bearing capacity = 1,000psf.

Verify all new precast concrete footings are placed on re-compacted grade per geotechnical report and approved shop drawings.

2.2 PRECAST FOOTINGS CONCRETE FOR BLEACHER FOUNDATION

TL: Testing of precast concrete footings (slump, air content, etc.) shall be performed by the precast company prior to delivering footings to the site.

SI: Review submitted concrete mix design for compliance with Official Documents.

2.3 CONCRETE FOR SLAB BENEATH BLEACHERS

SI: Verify concrete with fiber mesh mix design for compliance with Official Documents.

Verify proper slab subbase material and preparation.

Verify control joint and isolation joint location prior to concrete placement.

Verify concrete slab is cured and sealed per Official Documents.

2.4 STRUCTURAL STEEL FOR BLEACHERS AND RAMPS

TL: Testing of structural bleacher steel (verifying and certifying adequacy of welds and bolt size in connections; verify qualifications of welding personnel; verify adequacy of welding electrodes used; verify bolt type; confirm steel grade, etc.) shall be performed by bleacher manufacturer prior to delivering steel to site.

SI: Verify adequacy of installation; verify end anchorage, member to member connections; look for bent, warped, or damaged members; secure from **RDP**

verification of any special or unusual conditions. Use digital photography as part of formal record-keeping and send **RDP** photos of end anchorage, inserts and member-to-member connections.

Verify galvanizing repair paint has been applied to all field welds and damaged galvanized areas.

2.5 STEEL DECKING AND RISERS FOR BLEACHERS AND RAMPS

SI: Verify metal deck and riser attachment to all supports per Official Documents. Verify decking and riser installation is complete with no gaps, voids or tripping hazards.

2.6 GENERAL

SI: Verify overall completeness of bleacher erection; verify finished concrete surfaces; check for poor workmanship; report any problems or conflicts immediately and secure from **RDP** any required corrections or re-designs.

Part 3 APPROVALS

Title	Individual / Firm	Address, Phone #
Special Inspection Coordinator	Ethan Owens, City of Portland	134 Congress Street Portland, ME 04101-3608 Phone: (207) 756-8275
Special Inspector	Scott Hawk, PE Woodard & Curran	41 Hutchins Drive Portland, ME 04102 Phone: (207) 774-2112
Registered Design Professional	Scott Hawk, PE Woodard & Curran	41 Hutchins Drive Portland, ME 04102 Phone: (207) 774-2112
Manufacturers	All Star Bleachers	6550 New Tampa Hwy Lakeland, FL 33815 Phone: (800) 875-3141
	Swan's Concrete Products	674 Bridgton Road Westbrook, ME 04092 Phone: (207) 854-5324
Building Official	City of Portland	City Hall 389 Congress Street Portland, ME 04101 Phone: 207-874-8700

Owner's Authorization (City of Portland)

 Signature

 Date

Registered Design Professional

Scott M Hawk
 Signature

4-11-2011
 Date

SCOTT HAWK
 Name (Printed)

WOODARD & CURRAN
 Company



Building Official

 Signature

 Date

 Name (Printed)