STATEMENT OF SPECIAL INSPECTIONS - STRUCTURAL

FAIRLIEGH DICKINSON BASEBALL PROJECT: 285 MADISON AVE. MADISON, NJ 07940 LOCATION: OWNER: FAIRLEIGH DICKINSON UNIVERSITY OWNER'S ADDRESS: MADISON, NJ ARCHITECT OF RECORD: DERCK AND EDSON ARCHITECTS STRUCTURAL ENGINEER OF RECORD: STAHL SHEAFFER ENGINEERING, LLC.

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT AS WELL AS THE NAME OF THE SPECIAL INSPECTOR AND THE IDENTITY OF OTHER APPROVED AGENCIES INTENDED TO BE RETAINED FOR CONDUCTING THESE INSPECTIONS.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, STRUCTURAL \mid ENGINEER AND ARCHITECT OF RECORD. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS $\mid\mid$

INTERIM REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL, OWNER, STRUCTURAL ENGINEER AND ARCHITECT OF

A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. INTERIM REPORT FREQUENCY: PER ATTACHED SCHEDULE.

RESPONSIBILITIES.

PREPARED BY:

OWNER'S AUTHORIZATION:

BUILDING OFFICIAL'S ACCEPTANCE:

SIGNATURE

SIGNATURE

DATE

SCHEDULE OF STRUCTURAL SPECIAL INSPECTION SERVICES

THE FOLLOWING SHEETS COMPRISE THE REQUIRED SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS FOR THIS PROJECT. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS INDICATED. SEE SPECIFIC DIVISIONS FOR FURTHER CLARIFICATION:

 SOILS AND FOUNDATIONS CAST-IN-PLACE CONCRET

 STRUCTURAL STEEL WOOD CONSTRUCTION

MASONRY

AGENT NO.	INSPECTION AGENTS	FIRM	ADDRESS
1.	SPECIAL INSPECTOR	OWNER SELECTED AND EMPLOYED AGENT CONFORMING TO THE REQUIRED QUALIFICATIONS	
2.	STRUCTURAL ENGINEER OF RECORD	STAHL SHEAFFER ENGINEERING, LLC	301 SCIENCE PARK ROAD SUITE 333 STATE COLLEGE, PA 16803
3.	ARCHITECT OF RECORD	DERCK AND EDSON ARCHITECTS	33 SOUTH BROAD STREET LITITZ, PA 17543
4.	TESTING AGENT	OWNER SELECTED AND EMPLOYED AGENT INSPECTION AND TESTING OF SOILS, CONCRETE MASONRY, ETC	
5.	GENERAL CONTRACTOR		
6.	OTHER		

NOTE: THE INSPECTION AND TESTING AGENT SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK.

SEISMIC DESIGN CATEGORY: BASIC WIND SPEED:

EXPOSURE CATEGORY:

115 MPH

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF

IT IS RECOMMENDED THAT THE PERSON ADMINISTERING THE SPECIAL INSPECTIONS PROGRAM BE A STRUCTURAL ENGINEER OR A PROFESSIONAL ENGINEER EXPERIENCED IN THE DESIGN OF BUILDINGS.

KEY FOR MINIMUM QUALIFICATIONS OF INSPECTION AGENTS:

WHEN THE STRUCTURAL ENGINEER OF RECORD DEEMS IT APPROPRIATE THAT THE INDIVIDUAL PERFORMING A STIPULATED TEST OR INSPECTION HAVE A SPECIFIC CERTIFICATION OR LICENSE AS INDICATED BELOW, SUCH DESIGNATION SHALL APPEAR BELOW THE AGENT NUMBER ON THE SCHEDULE OF SPECIAL INSPECTIONS.

STRUCTURAL ENGINEER - A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES. THIS MAY BE REQUIRED FOR THE INSPECTION OF CRITICAL STRUCTURAL ELEMENTS.

GEOTECHNICAL ENGINEER - A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS. THIS MAY BE REQUIRED FOR THE INSPECTION OF DIFFICULT SOIL CONDITIONS OR DEEP FOUNDATIONS.

ENGINEER-IN-TRAINING - A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION. THIS MAY BE REQUIRED FOR THE INSPECTION OF ELEMENTS THAT REQUIRE SOME ENGINEERING TRAINING TO PROPERLY EVALUATE.

AMERICAN CONCRETE INSTITUTE - LEVEL I CERTIFIED CONCRETE FIELD TESTING TECHNICIAN. THIS

CERTIFICATION IS APPROPRIATE FOR INDIVIDUALS PERFORMING CONCRETE SAMPLING, SLUMP TESTS, AIR CONTENT TESTS, TEMPERATURE TESTS, UNIT WEIGHT TESTS, AND CASTING COMPRESSION TEST CYLINDERS.

AMERICAN WELDING SOCIETY - CERTIFIED WELDING INSPECTOR (CWI). THIS CERTIFICATION IS APPROPRIATE AWS FOR INDIVIDUALS PERFORMING VISUAL INSPECTION OF WELDS.

AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING - LEVEL II OR III. THIS CERTIFICATION IS APPROPRIATE

STRUCTURAL MASONRY SPECIAL INSPECTOR - CERTIFICATION BY ICBO.

STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR - CERTIFICATION BY ICBO.

FOR INDIVIDUALS PERFORMING ULTRA-SONIC TESTING OF WELDS.

SFSI SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR - CERTIFICATION BY ICBO.

PRESTRESSED CONCRETE SPECIAL INSPECTOR - CERTIFICATION JOINTLY SPONSORED BY ICBO, BOCA AND SBCCI WITH PARTICIPATION FORM PCI AND PTI.

REINFORCED CONCRETE SPECIAL INSPECTOR - CERTIFICATION JOINTLY SPONSORED BY ACI, ICBO, BOCA AND

SOILS AND FOUNDATIONS - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR VERIFICATION OF SOILS EXCEPT AS INDICATED IN "VII. SOILS AND FOUNDATIONS".

ITEM	AGENT NO QUALIFICATIONS	SCOPE
1 SHALLOW FOUNDATIONS	1 EIT	INSPECTION IN ACCORDANCE WITH SECTION VII OF THE SPECIAL PROGRAM
2 CONTROLLED STRUCTURAL FILL INSPECTIONS	1 EIT	INSPECTION IN ACCORDANCE WITH SECTION VII OF THE SPECIAL PROGRAM
3 DEEP FOUNDATIONS	1 EIT	INSPECTION IN ACCORDANCE WITH SECTION VII OF THE SPECIAL INSPECTIONS PROGRAM
4 SITE PREPERATION EVALUATION OF IN-PLACE DENSITY	1 EIT	INSPECTION IN ACCORDANCE WITH SECTION VII OF THE SPECIAL INSPECTIONS PROGRAM

<u>CAST-IN-PLACE CONCRETE</u> - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING CONCRETE COMPONENTS: ISOLATED SPREAD COLUMN FOOTINGS

CONTINUOUS WALL FOOTINGS

 NON-STRUCTURAL SLAB ON GRADE, DRIVEWAYS, SIDEWALKS, ETC. TOPPING SLAB ON METAL DECK

 CONCRETE WALLS INCLUDING EARTH RETAINING WALLS AND TILT-UP PANELS STRUCTURAL CONCRETE FRAME INCLUDING COLUMNS, BEAMS, FLOOR AND ROOF SYSTEMS

	ITEM	AGENT NO QUALIFICATIONS	SCOPE
	1 MIX DESIGN	5	COLLECT AND SUBMIT MIX DESIGN FOR ALL CAST-IN-PLACE CONCRETE
	I MIX DESIGN	2	REVIEW OF SUBMITTED CERTIFICATIONS
	2 MATERIAL	5	COLLECT AND SUBMIT MATERIAL CERTIFICATION CONFORMING ASTM STDS
	CERTIFICATION	2	REVIEW OF SUBMITTED CERTIFICATIONS
	3 REINFORCEMENT INSTALLATION	1 RCSI	INSPECTION IN ACCORDANCE WITH SECTION X OF THE SPECIAL INSPECTIONS PROGRAM
	4 POST TENSIONING OPERATIONS	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION X OF THE SPECIAL INSPECTIONS PROGRAM
	5 CONCRETE PLACEMENT	1 RCSI	INSPECTION IN ACCORDANCE WITH SECTION X OF THE SPECIAL INSPECTIONS PROGRAM
	6 EVALUATION OF CONCRETE STRENGTH	4 ACI	INSPECTION IN ACCORDANCE WITH SECTION X OF THE SPECIAL INSPECTIONS PROGRAM
	7 CURING AND PROTECTION	1 RCSI	INSPECTION IN ACCORDANCE WITH SECTION X OF THE SPECIAL INSPECTIONS PROGRAM
	8 OTHER		

<u>PRECAST CONCRETE</u> - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR STEEL CONSTRUCTION AS INDICATED IN "VIII. PRECAST CONSTRUCTION".

ITEM	AGENT NO QUALIFICATIONS	SCOPE
1 PLANT CERTIFICATION & CONTROL	5	COLLECT AND SUBMIT MIX DESIGN FOR ALL CAST-IN-PLACE CONCRETE
PROCEDURES	2	REVIEW OF SUBMITTED CERTIFICATIONS
2 MIX DESIGN	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
3 MATERIAL CERTIFICATION	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
4 REINFORCEMENT INSTALLATION	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
5 PRE-STRESS OPERATIONS	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
6 CONNECTIONS/EMBEDDED ITEMS	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
7 FORMWORK GEOMETRY	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
8 CONCRETE PLACEMENT	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
9 EVALUATION OF CONCRETE STRENGTH	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
10 CURING AND PROTECTION	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
11 ERECTED PRECAST ELEMENTS	1 PCSI	INSPECTION IN ACCORDANCE WITH SECTION VIII OF THE SPECIAL INSPECTIONS PROGRAM
12 OTHER		

MASONRY - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR THE

FOLLOWING MASONRY COMPONENTS: EXTERIOR WALLS

BRICK VENEER

8 OTHER

EARTH RETAINING WALLS INTERIOR LOAD-BEARING OR SHEAR WALLS INTERIOR NON-LOAD-BEARING WALLS

ITEM	AGENT NO QUALIFICATIONS	SCOPE
1 MATERIAL	5	COLLECT AND SUBMIT MATERIAL CERTIFICATIONS TO COMPLY WITH THE UNIT STRENGTH METHOD. SEE SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
CERTIFICATION	2	PERIODIC INSPECTION OF SITE PREPARED MORTAR AND GROUT
2 MIXING OF MORTAR AND GROUT	1 SMSI	INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
3 INSTALLATION OF MASONRY	1 SMSI	INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
4 REINFORCEMENT INSTALLATION	1 SMSI	INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
5 GROUTING OPERATIONS	1 SMSI	INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
6 WEATHER PROTECTION 1 SMSI INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM		INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM
7 ANCHORS AND TIES INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM		INSPECTION IN ACCORDANCE WITH SECTION IX OF THE SPECIAL INSPECTIONS PROGRAM

<u>STRUCTURAL STEEL</u> - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR STEEL CONSTRUCTION AS INDICATED IN "XI. STRUCTURAL STEEL".

ITEM	AGENT NO QUALIFICATIONS	SCOPE	
1 FABRICATION CERTIFICATION &	5	- ENSURE FABRICATOR MEETS REQUIREMENTS OF THE IBC 1704.2.2 - COLLECT CERT. OF COMPLIANCE FROM FABRICATOR AT COMPLETION O FABRICATION	
QUALITY CONTROL PROCEDURES	2	PERIODIC INSPECTION OF SITE PREPARED MORTAR AND GROUT	
MATERIAL CERTIFICATION	5	- COLLECT CERTIFIED MILL TEST REPORTS - COLLECT IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARD	
3 OPEN WEB STEEL JOISTS	5	- ENSURE FABRICATOR MEETS REQUIREMENTS OF THE IBC 1704.2.2 - COLLECT CERT. OF COMPLIANCE FROM FABRICATOR AT COMPLETION OF FABRICATION	
	2	REVIEW OF SUBMITTED SHOP DRAWINGS	
4 BOLTING	5	- COLLECT IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDA FOR BOLTS, NUTS, AND WASHERS - COLLECT CERTIFICATE OF COMPLIANCE FROM BOLT SUPPLIER	
	1 SWSI	INSPECTION OF BOLTED CONNECTIONS IN ACCORDANCE WITH SECTION XI OF THE SPECIAL INSPECTIONS PROGRAM	
	5	- COLLECT IDENTIFICATION MARKINGS TO CONFORM TO AWS STANDAR - COLLECT CERTIFICATE OF COMPLIANCE FOR WELD FILLER MATERIAL	
5 WELDING	1 SWSI	INSPECTION OF WELDS IN ACCORDANCE WITH SECTION XI OF THE SPE INSPECTIONS PROGRAM	
S SHEAR CONNECTORS	1 SWSI	VERIFY NUMBER AND SPACING, EACH BEAM AND GIRDER	
7 STRUCTURAL DETAILS 1 AWS INSPECTION OF ALL STEEL FRAMING JOINT DETAILS TO EN WELDS AND BOLTS		INSPECTION OF ALL STEEL FRAMING JOINT DETAILS TO ENSURE PROPER WELDS AND BOLTS	
8 METAL DECK	5	COLLECT IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS FOR DECKING AND FASTENERS	
	1 SWSI	VERIFY CONNECTION TO SUPPORTS AND SIDELAP FASTENERS	
9 OTHER TAWS		INSPECTION OF SEISMIC WELDING IN ACCORDANCE WITH SECTION XI OF THE SPECIAL INSPECTIONS PROGRAM	

<u>LIGHT STEEL FRAMING</u> - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR STEEL CONSTRUCTION AS INDICATED IN "XIII. WOOD AND LIGHT STEEL FRAMING CONSTRUCTION".

ITEM AGENT NO SCOPE QUALIFICATIONS		SCOPE	
1 FABRICATION CERTIFICATION &	5	- ENSURE FABRICATOR MEETS REQUIREMENTS OF THE IBC 1704.2.2 - COLLECT CERTIFICATION OF COMPLIANCE FROM FABRICATOR AT COMPLETION OF FABRICATION	
QUALITY CONTROL PROCEDURES	2	REVIEW OF SUBMITTED SHOP DRAWINGS	
2 MATERIAL PROPERTIES STRENGTH, THICKNESS, ETC	1 EIT	PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	
3 CONNECTIONS 1 EIT PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS		PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	
4 WELDING 1 EIT PERIODIC INSPECTION FOR CONFORMANCE WIDDOCUMENTS		PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	
5 FRAMING DETAILS 1 EIT PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION FOR CONFORMANCE WITH THE CONFO		PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	

WOOD CONSTRUCTION - SCHEDULE OF SPECIAL INSPECTION SERVICES - SPECIAL INSPECTIONS ARE REQUIRED FOR WOOD CONSTRUCTION AS INDICATED IN "XII. WOOD AND LIGHT STEEL FRAMING CONSTRUCTION".

ITEM	AGENT NO QUALIFICATIONS	SCOPE	
1 FABRICATION CERTIFICATION &	5	- ENSURE FABRICATOR MEETS REQUIREMENTS OF THE IBC 1704.2.2 - COLLECT CERTIFICATION OF COMPLIANCE FROM FABRICATOR AT COMPLETION OF FABRICATION	
QUALITY CONTROL PROCEDURES	2	REVIEW OF SUBMITTED SHOP DRAWINGS	
2 MATERIAL PROPERTIES GRADING, SIZE, SPACING, ETC	1 EIT	PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	
		PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	
4 FRAMING DETAILS 1 EIT PERIODIC INSPECTION FOR CONFORMANCE WITH THE COLD DOCUMENTS		PERIODIC INSPECTION FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS	



STAHL SHEAFFER ENGINEERING

REVISIONS:			
No.	DATE	DESCRIPTION OF CHANGES	

S-003