Project: Date Prepar	ed:							
Structura	al Statement of Special Inspec	tions						
Project:	Cumberland Farms Store							
Location:	801 Washington Avenue-Portland, ME							
Owner:	Cumberland Farms, Inc.							
This Stateme	nt of Special Inspections encompass the follow	ing discipline: Structural						
Inspection ar services appl	nt of Special Inspections is submitted as a cond of Structural Testing requirements of the Build icable to this project as well as the name of the er approved agencies to be retained for conduc	ding Code. It includes a s Structural Special Inspecti	schedule of Special Inspection ion Coordinator (SSIC) and the					
inspection re Responsible for correction Building Office	The Structural Special Inspection Coordinator shall keep records of all Structural inspections and shall furnish inspection reports to the Building Code Official (BCO) and the Structural Registered Design Professional in Responsible Charge (SRDP). 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 and the Structural Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.							
	Interim reports shall be submitted to the Building Official and the Structural Registered Design Professional in Responsible Charge at an interval determined by the SSIC and the BCO.							
correction of	ort of Special Inspections documenting comp any discrepancies noted in the inspections Use and Occupancy.							
Job site safet	y and means and methods of construction are s	solely the responsibility of t	the Contractor.					
Interim Repor	t Frequency: Upon request of Building C	Official	or per attached schedule.					
	Prepared by:							
Prepared by: Domenic W. DeAngelo, P.E. (type or print name of the Structural Registered Design Professional in Responsible Charge) DeANGELO DeANGELO No. 11353 Signature Date								
Owner's Auth	Owner's Authorization: Building Code Official's Acceptance:							

Signature

Date

Date

Signature

Project: Date Prepared:								
Structural Statement of S	pecial Inspections (Continu	ued)						
List of Agents								
Project: Cumberland Farms Store								
Location: 801 Washington Street-Por	tland, ME							
Owner: Cumberland Farms, Inc. This Statement of Special Inspections encor	npass the following discipline: Structural							
	r other disciplines may be included under a lity Assurance Plan includes the following bu	5 Sec. 27 (1955) 10 Sec. 10 Se						
 Soils and Foundations Cast-in-Place Concrete Precast Concrete Syste Masonry Systems Structural Steel Wood Construction 	m □ Special Case	S						
Special Inspection Agencies Firm Address, Telephone, e-mail								
STRUCTURAL Special Inspections Coordinator (SSIC)	DWD Engineering, Inc.	5 Michael Road East Bridgewater, MA 02333 508-378-9602 domdeau@aol.com						
Special Inspector (SI 1)	S.W. Cole Engineering, Inc.	286 Portland Road						

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STRUCTURAL Special Inspections Coordinator (SSIC)	DWD Engineering, Inc.	5 Michael Road East Bridgewater, MA 02333 508-378-9602 domdean@aol.com
2. Special Inspector (SI 1)	S.W. Cole Engineering, Inc.	286 Portland Road Grey, ME 04039-9586 207-657-2866 rdomingo@swcole.com
3. Special Inspector (SI 2)	6	
4. Testing Agency (TA 1)	S.W. Cole Engineering, Inc.	286 Portland Road Grey, ME 04039-9586 207-657-2866 rdomingo@swcole.com
5. Testing Agency (TA 2)		
6. Other (O1)		

Note: The inspectors and testing agencies shall be engaged by the Owner's Agent, and <u>not</u> 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.

Structural Schedule of Special Inspections

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided to the Special Inspector for their records. NOTE VERIFICATION THAT QUALIFIED INDIVIDUALS ARE AVAILABLE TO PERFORM STIPULATED TESTING AND/OR INSPECTION SHOULD BE PROVIDED PRIOR TO SUBMITTING STATEMENT. AGENT QUALIFICATIONS IN SCHEDULE ARE SUGGESTIONS ONLY; FINAL QUALIFICATIONS ARE SUBJECT TO THE DISCRETION OF THE REGISTERED DESIGN PROFESSIONAL PREPARING THE SCHEDULE.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge or Special Inspector of Record deems it appropriate that the individual performing a stipulated test or inspection have a specific certification, license or experience as indicated below, such requirement shall be listed below and shall be clearly identified within the schedule under the Agent Qualification Designation.

PE/SE

Structural Engineer – a licensed SE or PE specializing in the design of building structures Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations

PE/GE EIT

Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering

examination

Experienced Testing Technician

FTT

Experienced Tosting Technician - An Experienced Testing Technician with a minimum 5 years

experience with the stipulated test or inspection

American Concrete Institute (ACI) Certification

ACI-CFTT

Concrete Field Testing Technician - Grade 1

ACI-CCI

Concrete Construction Inspector

ACI-LTT

Laboratory Testing Technician - Grade 1&2

ACI-STT

Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI

Certified Welding Inspector

AWS/AISC-SSI

SI Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT

Non-Destructive Testing Technician - Level II or III.

International Code Council (ICC) Certification

ICC-SMSI

Structural Masonry Special Inspector

ICC-SWSI

Structural Steel and Welding Special Inspector

ICC-SFSI

Spray-Applied Fireproofing Special Inspector

ICC-PCSI

Prestressed Concrete Special Inspector

ICC-RCSI

Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT

Concrete Technician - Levels I, II, III & IV.

NICET-ST

Soils Technician - Levels I, II, III & IV

NICET-GET

Geotechnical Engineering Technician - Levels I, II, III & IV

Other

Structural Schedule of Special Inspections SOILS & FOUNDATION CONSTRUCTION

VERIFICATION AND INSPECTION IBC Section 1704.7, 1704.8, 1704.9	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
Verify existing soil conditions, fill placement and load bearing requirements		=				majdigas alkannik lilikarak melekan kanan kenerak melekan di melebun dibun dibun dibun dibun se se sebendi per
 a. Prior to placement of prepared fill, determine that the site has been prepared in accordance with the approved soils report. 	у	. р	IBC 1704.7.1	2	PE/GE, EIT or ETT	enterent annual en
 b. During placement and compaction of fill material, verify material being used and maximum lift thickness comply with the approved soils report. 	у	Р	IBC 1704.7,2	2	PE/GE, EIT or ETT	
 c. Test in-place dry density of compacted fill complies with the approved soils report. 	У	p	IBC 1704.7.2	4	PE/GE, EIT or ETT	
2. Pile foundations:	n/a					
 a. Observe and record procedures for static load testing of piles. 		С	IBC 1704.8		PE/GE, EIT or ETT	un un assessivit de terration Material de déviagne de la déviagne de l'acceptant
 Observe and record procedures for dynamic load testing of piles. 		C			PE/GE, EIT or ETT	
 Record installation of each pile and results of load test. Include cutoff and tip elevations of each pile relative to permanent reference. 		С			PE/GE, EIT or ETT	
d. Test welded splices of steel piles		C	AWS DL1		AWS-CWI	
 Pier foundations: Verify installation of pier foundations for buildings assigned to Seismic Design Category C, D, E or F. 	n/a	С	IBC 1704.9		PE/GE, EIT or ETT	en min selection de la final d
a. Verify pier diameter and length		С			PE/GE, EIT or ETT	
b. Verify pier embedment (socket) into bedrock		P			PE/GE, EIT or ETT	
e. Verify suitability of end bearing strata		р			PE/GE, EIT or ETT	

Structural Schedule of Special Inspections CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION IBC Section 1704.4	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS	AGEN T	AGENT QUALIFICATION	TASK COMPLETED
I Inspection of reinforcing steel, including prestressing tendons, and placement	у	þ	ACI 318: 3.5, 7.1-7.7	1.2	PE/SE or EIT	
 Inspection of reinforcing steel welding in accordance with Table 1704-3, Item 5B 	13		Welding of Reinf Not Allowed		AWS-CWI	
 Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased 	n	С	IBC 1912.5		PE/SE or EIT	
4. Verifying use of required design mix	у	P	ACI 318: Ch 4, 5.2-5.4	1	PE/SE or EIT	
At time fresh concrete is sampled to fabricate specimens for strength test, perform slump and air content test and temperature	у	С	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	4	ACI-CETT of ACI-STT	
Inspection of concrete and shotcrete placement for proper application techniques	у	С	ACI 318: 5.9, 5.10	2	PE/SE or EIT	
 Inspection for maintenance of specified curing temperature and techniques 	у	P	ACI 318: 5.11- 5.13	2	PE/SE or EIT	
8. Inspection of Prestressed Concrete	13					
a. Application of prestressing force		C	ACI 318: 18.20		PE/SE or EIT	(CCC)
 Grouting of bonded prestressing tendons in seismic force resisting system 		C	ACI 318: 18.18.4		PE/SE or EIT	
Erection of precast concrete members	n	P	ACI 318: Ch 16		PE/SE or EIT	
10. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms beans and structural slabs.	n	P	ACI 318: 6.2		ACI-STT	

Project:

Date Prepared:

Structural Schedule of Special Inspections - STEEL CONSTRUCTION

VERIFICATION AND INSPECTION		EXTENT: CONTINUOUS,	COMMENTS	AGENT	AGENT QUALIFICATION	TASK COMPLETED
IBC Section 1704.3		PERIODIC, SUBMITTAL, OR NONE				
1 Material verification of high-strength bolts, nuts and washers:	у					
 a. Identification markings to conform to ASTM standards specified in the approved construction documents. 		S	Applicable ASTM material specifications; AISC 335, Section A3.4, AISC LRFD, Section A3.3	2	PE/SE or EIT	
 b. Manufacturer's certificate of compliance required. 	у	S		2	PE/SE or EIT	
2. Inspection of high-strength bolting	У				The state of the s	
a. Bearing-type connections.	у	р	AISC LRFD Section M2.5	2	AWS/AISC-SSI	
b. Slip-entical connections.	TI.	C or P (method dependent)	IBC Sect 1704.3.3		AWS/AISC-SSI	
Material verification of structural steel (IBC Sect 1708.4):	у	•				
 a. Identification markings to conform to ASTM standards specified in the approved construction documents. 	у	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	2	PE/SE or EIT	
 b. Manufacturers' certified mill test reports. 	у	S	ASTM A 6 or ASTM A 568 IBC Sect 1708.4	2	PE/SE or EIT	
Material verification of weld filler materials:	у					
a. Identification markings to conform to AWS specification in the approved construction documents.	у	S	AISC, ASD, Section A3.6; AISC LRFD, Section A3.5	2	PE/SE or EIT	
 b. Manufacturer's certificate of compliance required. 	у	S		2	PE/SE or EIT	
 Submit current AWS D1.1 welder certificate for all field welders who will be welding on this project. Inspection of welding (IBC 1704.3.1): 	у	S	AWS D1.1	2	PE/SE or EIT	
a. Structural steel:						
Complete and partial penetration groove welds.	у	С		2, 4	AWS-CWI	Market Control of the
Multipass fillet welds;	п	C	AWS DLI		AWS-CWI	######################################
3) Single-pass fillet welds> 5/16"	n	C	N#321.1		AWS-CWI	
4) Single-pass fillet welds< 5/16"	у	F		2	AWS-CWI	
5) Floor and deck welds.	n	Р	AWS DL3		AWS-CWI	
b. Reinforcing steel (IBC Sect 1903.5.2):						No. of the Control of
 Verification of weldability of reinforcing steel other than ASTM A706. 	n	С				
 Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary clements of special reinforced concrete shear walls and shear reinforcement. 	n	C	AWS D1.4 ACI 318: 3.5.2		AWS-CWI	
 Shear reinforcement. 	n	C	ACI 316: 3.3.2		AWS-CWI	
Other reinforcing steel.	n	P			AWS-CWI	
7 Inspection of steel frame joint details for compliance (IBC Sect 1704.3.2) with approved construction documents:		***************************************				
 Details such as bracing and stiffening. 	E§	P			PE/SE or EIT	Andreas and the same of the same
b. Member locations.	y	P		1,2	PE/SE or EIT	
c. Application of joint details at each connection.	y	þ		1,2	PE/SE or EIT	

Structural Schedule of Special Inspection Services Fabrication and implementation procedures – structural steel

VERIFICATION AND INSPECTION IBC Section 1704.2	Y/N	EXTENT: CONTINUOUS, PERIODIC, SUBMITTAL, OR NONE	COMMENTS		AGENT QUALIFICATION	TASK COMPLETED
Fabrications Procedures: Review of fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved special inspection agency. At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents. OR- AISC Certification	у	S	Fabricator shall submit one of the two qualifications	2	PE/SE or EIT	
 At completion of fabrication, the approved fabricator shall submit a certificate of compliance to the building code official stating that the work was performed in accordance with the approved construction documents. 	У	S	IBC 1704.2.2	2	PE/SE or EIT	

Project: Date Prepared:				
Quality Ass	urance Plan	– Seismic an	d Wmd	
QUALITY AS Seismic Design		OR SEISMIC I	RESISTANCE CHECK L	IST [IBC 1705]
Structural: The seismic-fore Steel Braced Steel Momen		d connections/anchorage	☐ Diaphragms: ☐ Floor ☐ Roof	
QUALITY AS Wind Exposu		OR WIND RES	SISTANCE CHECK LIST	[IBC 1706]
REQUIRED NOT REQUIRED NOT APPLICABLE			ASSURANCE PLAN REQUIR Trance Plan is required where indi	
	hour (mph) (52	8 m/sec) or greater.		
	In wind exposu (49 m/sec) or g	re Categories C and reater.	D, where the 3-second-gust basic	wind speed is 110 mph
Propagad by			Duilding Code Officials	
Propared by: Mueuw W	De ageli	8.6.12	Building Code Official's A	eceptance:
Signature		Date	Signature	Date