S.W.COLE ENGINEERING, INC.

Masonry Construction Observation Report

Project Name/Location:	Cumberland County Civic Center / Portland	**Project No:**	12-0034.1
Client/Client's Rep.:	Cumberland County Recreational Center	**Date:**	9/16 and 9/17/13
Masonry Contractor:	Maine Masonry	**Sheet:**	1 of 1
Placement Location:	Quad D: Westerly interior load bearing wall to elevation 71' 10 1/2"	**SWCE Rep.:**	K. Gimpel
		On Site:	9:10-4:00 (9/16/13) 8:00-3:00 (9/17/13)

subgrade, concrete and soils work also

Referenced Drawings	Date	Page	Revision	Comments
Structural General Notes	1-12-13	S0.01	3	

Materials

Masonry Construction			
Proportioning of site-mixed mortar	Yes ☒	No ☐	Quickrete Type S spec bags
Construction of mortar joints	Yes ☒	No ☐	Full
Placement of masonry units	Yes ☒	No ☐	
Location of reinforcement and connectors, ties	Yes ☒	No ☐	Ladder joint wire at 16", #5 as per plans
Unfinished masonry covered to protect from the weather	Yes ☒	No ☐	Plastic for rain protection
Cold-weather or Hot-weather construction?	Yes ☐	No ☐	N/A
If yes, were requirements of ACI 530.1 Part 1.8 conditions met?	Yes ☐	No ☐	N/A
Flashing installation – *material and placement*	Yes ☐	No ☐	N/A
Weeps – *material and placement*	Yes ☐	No ☐	N/A
Grouting			
Grout space observed prior to grouting	Yes ☒	No ☐	
Proportions of site-mixed grout	Yes ☒	No ☐	Quickrete 3000psi spec bags (2000psi design)
Placement of reinforcement and connectors	Yes ☒	No ☐	Per general notes requirements
Placement of grout (*consolidation, reconsolidation)*	Yes ☒	No ☐	Manual consolidation, mechanical reconsolidation
Embedded items and accessories installation	Yes ☒	No ☐	Z ties for perpendicular walls @16" straps at door jam

Non Conformance Items Observed	Yes ☐	No ☒

FIELD TESTING PERFORMED	Mortar ☒	Grout ☒
SET NO:	412-61	412-63

Notes: All work observed appeared to be in accordance with the above referenced project document and the applicable project specifications.

Attachments: Photos

Reviewed By: RED

Masonry 9-16-13

Masonry 9-17-13

S.W.COLE ENGINEERING, INC.

Masonry Construction Observation Report

Project Name/Location:	Cumberland County Civic Center / Portland	**Project No:**	12-0034.1
Client/Client's Rep.:	Cumberland County Recreational Center	**Date:**	9/18, 9/19, 9/20/13
Masonry Contractor:	Maine Masonry	**Sheet:**	1 of 1
Placement Location:	Quad D: Westerly and easterly interior load bearing walls to embed bearing elevation	**SWCE Rep.:**	K. Gimpel
		On Site:	7:20-3:30 (9/16/13) 7:25-12:50 (9/19/13) 8:00-11:00(9-20-13) subgrade, concrete and soils work also

Referenced Drawings	Date	Page	Revision	Comments
Structural General Notes	1-12-13	S0.01	3	
Beauce Atlas Embed Layout Quad D	3-25-13	A202	1	

Materials

Masonry Construction			
Proportioning of site-mixed mortar	Yes ☒	No ☐	Quickrete Type S spec bags
Construction of mortar joints	Yes ☒	No ☐	Full
Placement of masonry units	Yes ☒	No ☐	
Location of reinforcement and connectors, ties	Yes ☒	No ☐	Ladder joint wire at 16", #5's per plans
Unfinished masonry covered to protect from the weather	Yes ☒	No ☐	Plastic for rain protection
Cold-weather or Hot-weather construction?	Yes ☐	No ☐	N/A
If yes, were requirements of ACI 530.1 Part 1.8 conditions met?	Yes ☐	No ☐	N/A
Flashing installation – *material and placement*	Yes ☐	No ☐	N/A
Weeps – *material and placement*	Yes ☐	No ☐	N/A
Grouting			
Grout space observed prior to grouting	Yes ☒	No ☐	
Proportions of site-mixed grout	Yes ☒	No ☐	Quickrete 3000psi spec bags (2000psi design)
Placement of reinforcement and connectors	Yes ☒	No ☐	Per general notes requirements
Placement of grout (*consolidation, reconsolidation)*	Yes ☒	No ☐	Manual consolidation, mechanical reconsolidation
Embedded items and accessories installation	Yes ☒	No ☐	Z ties for perpendicular walls @16" straps at door jam
Non Conformance Items Observed	Yes ☐	No ☒	

FIELD TESTING PERFORMED	Mortar ☒	Grout ☒
SET NO:	412-68	412-67, 412-69

Notes: #5 reinforcing vertical at 16" O.C. with two at ends and corners, two #5 horizontals at intermediate bond beam and top bond beam below bearing elevation, ladder joint reinforcement at 16" O.C. and rebar positioners, as needed. Maine Masonry (Larry) initially indicated a preference to not mechanically consolidate grout; we indicated that per project specifications (reference ACI 530.1) that all grout placed in lifts exceeding 12-inches is required to be vibrated. Per conversation with WBRC (John), horizontal bond beam reinforcing does not have to be drilled into abutting cast in place concrete foundations. Work observed continues to appear to be in accordance with the above referenced project document and the applicable project specifications.

Attachments: Photos

Reviewed By: RED