BISKUP CONSTRUCTION, INC.
16 Danielle Drive
WINDHAM, MAINE 04062

(207) 892-9800 Fax (207) 892-9895

LETTER OF TRANSMITTAL

DATE	JOB NO.
8/3/11	

ATTENTION: Jeanie Bourke

RE: Hale Trailer Addition
20 Pinetree Ind. Park

TO: Portland Code Enforcement

754 A008

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☒ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1			Statement of Special Inspections

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

RECEIVED
AUG - 4 2011
Dept. of Building Inspections
City of Portland Maine

COPY TO _____

SIGNED: _____

If enclosures are not as noted, kindly notify us at once.

ASSOCIATED DESIGN PARTNERS INC.
80 Leighton Road • Falmouth, Maine 04105
Office: 207.878.1751
Fax: 207.878.1788
e-mail: adp@adpengineering.com

August 2, 2011 11028

Code Enforcement Officer
389 Congress St
Portland, ME 04101

Re: Hale Trailer Addition, Portland, ME
Statement of Special Inspections – Final Report

Dear CEO,

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved.

Sincerely,

Aaron S. Wilson, P.E.
Structural Enigineer
Associated Design Partners, Inc.

STATE OF MAINE
AARON
S.
WILSON
No. 10429
LICENSED
PROFESSIONAL ENGINEER

RECEIVED
AUG - 4 2011
Dept. of Building Inspections
City of Portland Maine

STATEMENT OF SPECIAL CONSTRUCTION MONITORING

PROJECT: **BUILDING ADDITION**
HALE TRAILER, 20 Pine Tree Industrial Park, Portland, Maine

PERMIT APPLICANT: **Jim Biskup – Biskup Construction**
APPLICANT'S ADDRESS: **16 Danielle Dr, Windham, ME 04062**

STRUCTURAL ENGINEER OF RECORD
Foundations, Vestibule Structure: **Associated Design Partners, Inc**
Pre-Fabricated Steel Building: **Package Industries, Inc.**

CONTRACTOR: **Biskup Construction**

This Statement of Special Construction Monitoring is submitted as a condition for building permit issuance in accordance with Section 1704.0 of the 2003 International Building Code. It includes the Schedule of Special Construction Monitoring and Testing as applicable to this project. Also included is a listing of agents and other approved agencies to be retained for conducting the monitoring and testing applicable to this project.

The Special Construction Monitoring Coordinator shall keep records of all observations listed herein, and shall furnish field reports to the Registered Design Professional of Record. All discrepancies shall be brought to the immediate attention of the Contractor for correction, and to the Registered Design Professional of Record. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Registered Design Professional of Record. Interim reports shall be submitted to the Registered Design Professional of Record monthly, unless more frequent submissions are requested.

The Special Construction Monitoring program does not relieve the Contractor of his or her responsibilities. Job site safety is solely the responsibility of the Contractor. Materials and activities covered under the monitoring schedule are not to include the Contractor's equipment and methods used to erect or install the materials listed.

Prepared by:

Aaron S. Wilson
(type or print name)

Signature 8/2/11 Date

Design Professional Seal

Owner's Authorization:

Signature Date

Building Official's Acceptance:

Signature Date

SPECIAL CONSTRUCTION MONITORING AGENTS

This Statement of Special Construction Monitoring / Quality Assurance Plan includes the following building systems:

- ☒ Soils and Foundations
- ☐ Cast-in-Place Concrete Retaining walls
- ☐ Precast Concrete
- ☒ Masonry
- ☒ Structural Steel
- ☐ Cold-Formed Steel Framing
- ☐ Spray Fire Resistant Material
- ☒ Wood Construction
- ☐ Exterior Insulation and Finish System
- ☐ Mechanical & Electrical Systems
- ☐ Architectural Systems
- ☐ Special Cases

AGENT	FIRM	CONTACT INFORMATION
1. Engineer of Record (Foundations & Wood Framing)	**Associated Design Partners**	**80 Leighton Rd** **Falmouth ME 04105** **Ph: 878-1751**
2. Special Construction Monitoring Coordinator	**Associated Design Partners**	**80 Leighton Rd** **Falmouth ME 04105** **Ph: 878-1751**
3. Field Monitor	**S.W. Cole**	**286 Portland Road** **Gray, ME 04039-9586** **P: (207) 657.2866**
4. Testing Agency	**S.W. Cole**	**286 Portland Road** **Gray, ME 04039-9586** **P: (207) 657.2866**
5. Engineer of Record (Pre-Fab Metal Building)	**Package Industries, Inc**	**15 Harback Rd** **Sutton, MA 01590** **PH. (508) 865-5871**

Note: The testing agency 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.

QUALITY ASSURANCE FOR LATERAL SYSTEMS

Quality Assurance for Seismic Requirements

Seismic Design Category	*B*
Quality Assurance Plan Required (Y/N)	*N*

If seismic design category C, and plan is not required, explain (see exceptions to 1705.1)

Description of seismic force resisting system and designated seismic systems:

Ordinary Steel Moment Resisting Frames

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)	*94MPH*
Quality Assurance Plan Required (Y/N)	*N*

Description of wind force resisting system and designated wind resisting components:
Ordinary Steel Moment Resisting Frames.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility in accordance with section 1705.3, and 1706.3 of the 2003 IBC code.

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 if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge 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 *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

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	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

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector

TABLE 1 – SCHEDULE OF SPECIAL CONSTRUCTION MONITORING

MATERIAL / ACTIVITY		EXTENT of MONITORING (Continuous, Periodic, Other, Exempt, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.3 STEEL CONSTRUCTION						
1 Material Verification of high strength bolts, nuts, and washers.	a. Identification markings to conform to ASTM standards specified in the approved construction documents.	Periodic	Provide inspection reports for field installed bolts to Agent 5 also.	3	6/30/11	
	b. Manufacturers Certificate of Compliance required.	Exempt	Fabricator to provide registration and approval Certificate per 1704.2.2.	5	1/19/11	
2. Inspection of High – Strength Bolting	a. Bearing type connections	Periodic	Provide inspection reports to Agent 5 also.	3	6/30/11	
	b. Slip – critical connections	None	No S-C connections in building			
3. Material Verification of structural steel	a. Identification marking to conform to ASTM standards specified in the contract documents.	Exempt	Fabricator to provide registration and approval Certificate per IBC 1704.2.2.	5	1/19/11	
	b. Manufacturers certified mill test Reports.	Other	Fabricator to provide registration and approval Certificate per IBC 1704.2.2.	5	1/19/11	
4. Material Verification of weld filler materials:	a. Identification marking to conform to AWS standards specified in the contract documents.	Exempt	Fabricator to provide registration and approval Certificate per IBC 1704.2.2.	5	1/19/11	
	b. Manufacturers Certificate of Compliance required.	Exempt	Fabricator to provide registration and approval Certificate per 1704.2.2. No Field Welding.	5	1/19/11	
5. Inspection of Welding – Structural Steel	a. Single Pass fillet welds < 5/16"	Exempt	Fabricator to provide registration and approval Certificate per 1704.2.2. No Field Welding.	5	1/19/11	
	b. Roof deck attachment	Periodic	Provide inspection reports to Agent 5 also.	3	6/30/11	
6. Inspection of Steel Frame Joint details for compliance with approved documents.	a. Bracing / moment frame connections	Periodic	Provide inspection reports to Agent 5 also.	3	6/30/11	
	b. Member locations	Periodic	Provide inspection reports to Agent 5 also.	3	6/30/11	
	c. Application of joint details at each connection.	Periodic	Provide inspection reports to Agent 5 also.	3	6/30/11	

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.4 CONCRETE CONSTRUCTION						
1 Inspection of reinforcing steel, including placement.		Periodic		3	5/31/11	
2. Inspection of reinforcing steel welding		None	No welding of rebar specified in contract drawings			
3. Inspect bolts embedded into concrete prior to and during placement of concrete where allowable loads have been increased.		None	Allowable loads have not been increased for lateral loads.			
4. Verify concrete mix design(s)		Periodic	SER to review and approve mix design(s) prior to delivery. Field agent to verify delivery ticket matches approved mix design.	1,3	7/7/11	
5. Sample fresh concrete for strength tests, perform slump and air content tests, and determine temperature of concrete.		Continuous		3,4	7/7/11	
6. Inspection of concrete placement for proper techniques.		Continuous		3	5/31/11	
7. Inspection for maintenance of specified curing temperature and techniques.		Periodic		3	5/31/11	
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2						
1 As Masonry Construction begins, the following shall be verified to ensure conformance	a. Proportions of site-prepared mortar	Periodic		3	**7/6/11**	
	b. Construction of mortar joints	Periodic		3	**7/6/11**	
	c. Location of reinforcement	Periodic		3	**7/6/11**	
	d. Pre-stressing technique	None	No pre-stressing in building			
	e. Grade and size of pre-stressing tendons.	None	No pre-stressing in building			
2. The Inspection program shall verify the following:	a. Size and location of structural elements.	Periodic		3	**7/26/11**	
	b. Type, size, and location of embedded anchors.	Periodic		3	**7/26/11**	
	c. Size, grade, and type of reinforcing	Periodic		3	**7/6/11**	

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.5 MASONRY CONSTRUCTION - Level 1 Special Inspection for non-essential facility – 1704.5.2						
2 The Inspection program shall verify the following, cont:	d. welding of reinforcing bars	None				
	e. Protection of Masonry during cold weather (temp. below 40 deg F.)	None				
	f. Application and measurement of pre-stressing reinforcement	None	No pre-stressing in building			
3. Prior to grouting, the following shall be verified to ensure compliance.	a. Grout space is clean	Periodic		3	7/6/11	
	b. Placement of reinforcement	Periodic		3	7/6/11	
	c. Proportions of site-prepared grout	None				
	d. Construction of mortar joints	Periodic		3	7/6/11	
4 Grout placement shall be verified to ensure compliance with code and construction document provisions.		Periodic		3	7/6/11	
5. Preparation of any grout specimens, mortar specimens and/or prisms shall be observed		None				
6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		None				
1704.6 WOOD CONSTRUCTION						
1 Horizontal Diaphragms and Vertical Shearwalls	a. Inspect sheathing size, grade, and thickness for conformance with construction documents.	Periodic		3	7/26/11	
	b. Inspect sheathing fastener size and pattern for conformance with construction documents.	Periodic		3	7/26/11	
	c. Verify attachment to supporting elements is per contract documents.	None				
2. Wood truss fabricator certification / quality control procedures	Verify shop fabrication and quality control procedures for wood truss plant.	None				
3. Material Grading	Verify material grading for sawn lumber for compliance with construction documents. Verify manufactured lumber (LVL'S, PSL's) for conformance with construction documents.	Periodic		3	7/26/11	

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.6 WOOD CONSTRUCTION						
4. Wood Connections	Verify that connections are made as shown in the contract documents. For connections not specifically detailed, verify conformance with IBC 2003 Ch. 23	Periodic		3	7/26/11	
5. Framing	Verify that framing is installed in accordance with construction documents.	Periodic		3	7/26/11	
6. Pre-Fabricated Wood Trusses	Inspect truss and all bracing installation. Bracing to be installed per fabricator's recommendations and BCSI 1-03	None				
1704.7 SOILS						
1. Site Preparation	Inspect preparation of site for conformance with Geotechnical recommendations prior to placement of prepared fill.	Periodic		3	5/20/11	
2. Fill Placement	During Fill Placement verify that material and lift thickness comply with approved Geotechnical report.	Periodic		3	5/20/11	
3. In-Place Soil Density	Verify compliance of in-place compacted dry density with approved Geotechnical report.	Periodic		3	5/4/11	
1704.7 PILE FOUNDATIONS	Record installation and testing of procedures of each pile. Submit reports to building official and EOR. Reports to include pile tip cutoff elevation relative to a common benchmark.	None	No Piles on Job			
1704.10 ARCHITECTURAL WALL PANELS AND VENEERS	Verify compliance of attachment of interior and exterior Architectural veneers to supporting structure for building in Seismic Design Category E or F.	None	Building is Seismic Design Category B			

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
1704.11 SPRAYED FIRE-RESISTANT MATERIAL	a. Verify conformance of the prepared surface with manufacturer's specifications prior to application of material.	None	No Sprayed Fire-Resistant material in building.			
	b. Verify that substrate's ambient temperature meet manufacturer's specifications.	None				
	c. Verify that material thickness meets design specifications.	None				
	d. Verify that the material density meets the design specifications. Test in accordance with ASTM E 605.	None				
	e. Verify that bond strength between material and substrate is greater than or equal to 150 psf. Test in accordance with ASTM E 736 and IBC 2003 1704.11.5.1 – 1704.11.5.2	None				
1704.12 EXTERIOR AND INSULATION AND FINISH SYSTEMS (EIFS)	Verify conformance of EFIS installation with manufacturers and design specifications.	None	No EIFS on building.			
1704.13 SPECIAL CASES COLD FORMED METAL FRAMING						
1 Framing	Verify member size, thickness, material, and spacing is in accordance with design specifications and drawings.	None				
2. Framing Connections	Verify that member connections are in accordance with design specifications and drawings.	None				
3 Welding	Verify welding of cold formed members is in accordance with design specifications and AWS standards.	None				

TABLE 1 – STATEMENT OF SPECIAL INSPECTIONS, cont.

MATERIAL/ACTIVITY		EXTENT of INSPECTION (Continuous, Periodic, Other, None)	COMMENTS	AGENT #	DATE COMPLETED	REV #
4. Light Gage Trusses	a. Verify that light gage trusses are design in accordance with the loads specified on the contract documents.	None				
	b. Verify that light gage trusses and truss bracing is installed per manufacturers specifications, contract documents, and BCSI 1-03 guidelines.	None				
1704.10 SMOKE CONTROL						
	a. Test ductwork for leakage and recode device locations prior to concealment of mechanical systems.	None				
	b. Prior to building occupation, perform pressure difference testing, flow measurements and detection, and control monitoring.	None				

S.W.COLE ENGINEERING, INC

Report of Field Density
ASTM D6938

Project: PORTLAND, ME - PROPOSED BUILDING EXPANSION - MATERIALS TESTING Project Number: 10-1077.1

Client: BISKUP CONSTRUCTION, INC.

Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
1	6/1/2011	ARM	30' W ON INT S WALL	6" BFG	12	13841G	112.8	2.5	95.7	95
2	6/1/2011	ARM	58' W ON INT S WALL	1' BFG	12	13841G	117.3	2.5	99.5	95
3	6/1/2011	ARM	100' N 30' W FROM BUILDING	6" BFG	12	13841G	115.7	2.5	98.1	~~95~~ 92
4	6/1/2011	ARM	50' N ON INT W WALL	6" BFG	12	13841G	113.7	1.9	96.4	95
5	6/1/2011	ARM	65' W ON S WALL	6" BFG	12	13841G	109.9	2.9	93.2	92
6	6/1/2011	ARM	10' W ON S WALL	6" BFG	12	13841G	115.1	2.8	97.6	92

Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
13841G	5/4/2011	Shaw Bros - H Pit.	Structural Fill	ASTM D-1557 Modified A	117.9	11.7	

Elevation Notes:
BFG - BELOW FINISH GRADE

Comments:
INT - INTERIOR

Reviewed By

S.W.COLE ENGINEERING, INC. • Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

CONSTRUCTION OBSERVATION REPORT

Project: Proposed Hale Trailer Building Addition
Client: Biskup Construction, Inc.
Client's Rep.: Jim Biskup

SWCE Project No.: 10-1077.1
Date: 5-20-11
Weather: Cloudy, showers, 50s

Work in Progress: Eastern Excavation, Inc. (EEI) excavating for new foundations along the western building lines of the proposed addition.

Work Performed by SWCE Rep.: Observation and documentation of foundation subgrade conditions.

General Observations, Discussions, Etc: As requested by Biskup Construction, we made a site visit to observe foundation subgrade conditions at the subject site. Upon arrival, EEI (project earthwork contractor) was excavating for new column footings along the western line of the building addition, adjacent to the existing building. EEI had excavated for foundations along the southern line of the building addition prior to our arrival. Subgrade soils consisted of native, very stiff to hard, brown silty clay Pocket penetrometer readings on the material varied from 4 to 6 ksf and the material was not easily penetrated by hand probing. The soils appeared consistent with the findings at the test borings. Standing water up to 1 to 3 inches in depth was present overlying the subgrade soils in the southern building line. Sid (Biskup Construction superintendent) reported that the excavation had initially been dry but water had run in from the foundation drain around the existing building. Water had largely stopped flowing from the underdrain during our time onsite. Sid explained that EEI was going to pump the excavation dry and then place 12-inches of compacted crushed stone, wrapped in woven geotextile fabric over the subgrade soils. Woven geotextile was observed to be onsite. We recommended that any subgrade soils which become soft or disturbed due to the inflow of the water be overexcavated and replaced with an increased thickness of crushed stone wrapped in geotextile fabric. We recommended that the footprint of the proposed slab-on-grade be proof-rolled and any areas which yield be overexcavated and replaced with compacted Structural Fill.

On Site: 11:15-12:15
Attachments: Photos
Sheet: 1 of 1

SWC Rep.: EMW
Rev. by: TJB

GRAY, ME OFFICE
286 Portland Road, Gray, ME 04039, Tel (207) 657-2866, Fax (207) 657-2840, (E) infogray@swcole.com, (I) www.swcole.com

VOLVO

S.W.COLE ENGINEERING, INC

Concrete Construction Observation Report

Project Name/Location:	Hale Trailer Building Addition	**Project No:**	10-1077.1
Client/Client's Rep.:	Biskup Construction Inc.	**Date:**	5-24-11
Concrete Contractor:	Concrete Construction Inc.	**Sheet:**	1 of 1
Placement Location:	Footings: Line A(1-4), Line 1(A-E), Pier E2	**SWCE Rep.:**	SJC
Placement Type:	Footing ☒ Wall ☐ Column ☐ Slab ☐ Other ☐	**Arrived at Site:**	1:30 PM
		Left Site:	3:00 PM

PRE PLACEMENT OBSERVATIONS	In Compliance		N/O	Comments
Bar Size (diameter, length, bend and anchorage)	Yes ☒	No ☐	☐	Correct Size
Location (# of bars, spacing, and cover)	Yes ☒	No ☐	☐	
Splicing (weld joint, overlap)	Yes ☒	No ☐	☐	
Stability (wiring, chairs, and spacers)	Yes ☒	No ☐	☐	Concrete Blocks
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes ☒	No ☐	☐	Clean Rebar
Reinforcement appears in conformance to specifications	Yes ☒	No ☐	☐	
Soil subgrade prepared in accordance with project specifications	Yes ☒	No ☐	☐	Stone

Referenced Drawings	Date	Page	Rev.	ASTM	GRADE
Foundation Plan	3/12/11	F-1		A 615 ☒	40 ☐ 50 ☐ 60 ☒
				A 616 ☐	75 ☐
				A 617 ☐	
				A 706 ☐	A 775 Epoxy ☐

CONCRETE PLACEMENT OBSERVATIONS	In Compliance		N/O	Comments
Required mix used	Yes ☒	☐	☐	3000 psi
Placement and consolidation of concrete observed	Yes ☒	☐	☐	
Concrete properly conveyed to all areas of placement	Yes ☒	☐	☐	
Depth of layer maximum limits not exceeded	Yes ☒	☐	☐	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes ☒	☐	☐	
Even layering around openings and embedments	Yes ☒	☐	☐	
Removal of temporary ties and spacers	Yes ☐	☐	☒	

FIELD TESTING OF CONCRETE PERFORMED — Yes ☒ No ☐

*CYLINDER SET NO: 257-1 ←*refer to associated concrete test report*

POST PLACEMENT OBSERVATIONS	In Compliance		N/O	Comments
Specified finish	Yes ☒	☐	☐	Trowel Finish
Protection of surfaces from cracking due to rapid drying	Yes ☐	☐	☒	
Proper curing procedures implemented	Yes ☐	☐	☒	

NON-CONFORMANCE ITEMS OBSERVED — Yes ☐ No ☒

Non-Conformance Item Description:

Action Taken by SWCE:

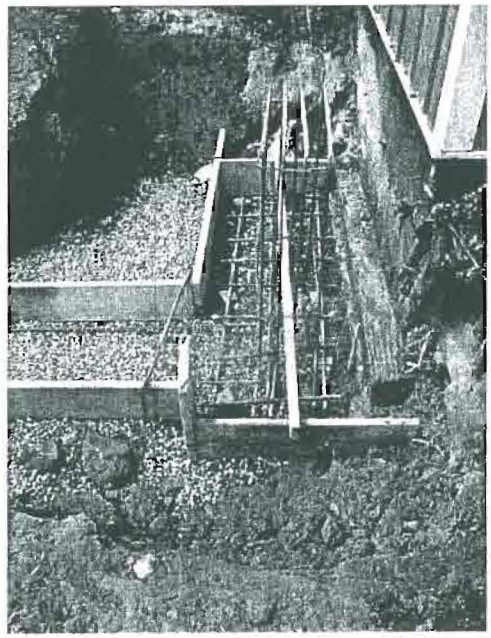
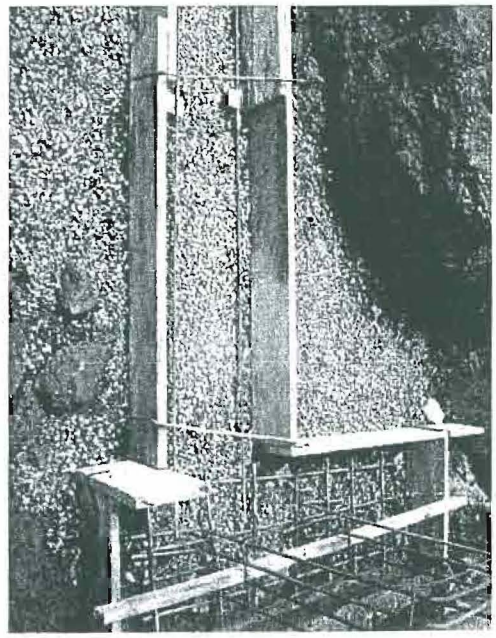
Person(s) Notified:

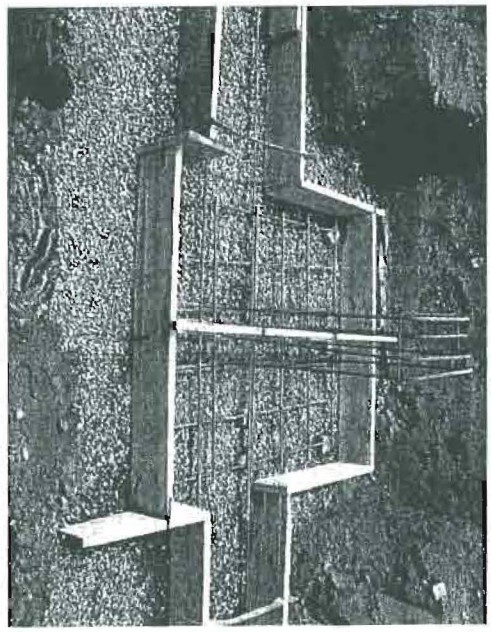
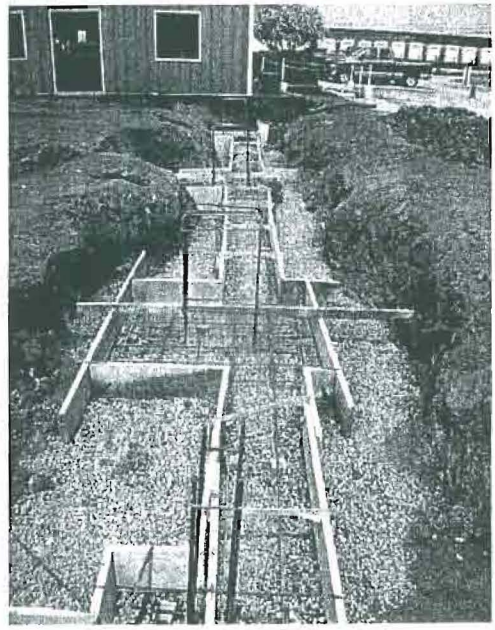
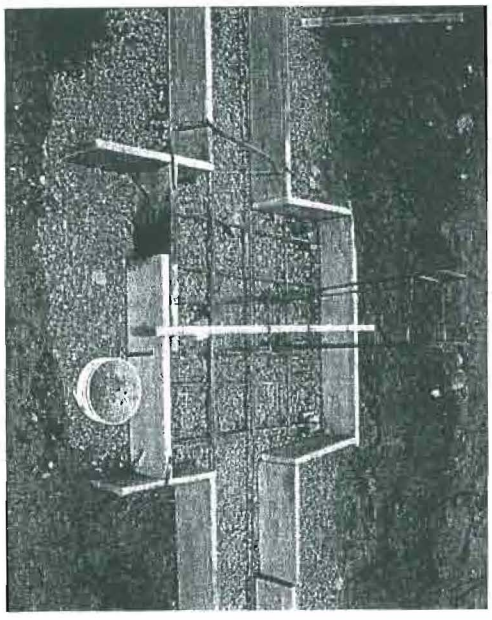
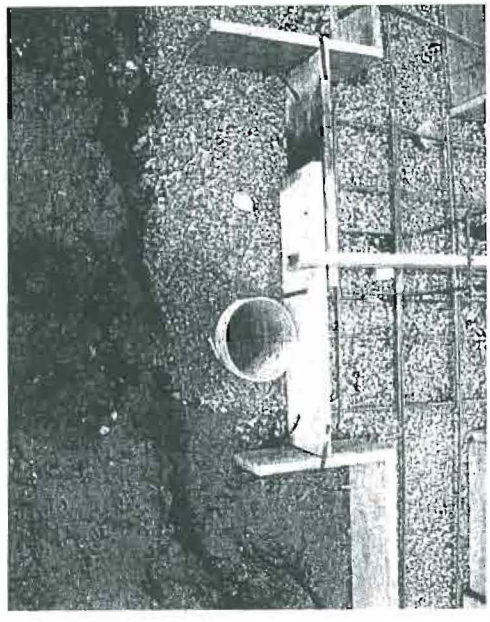
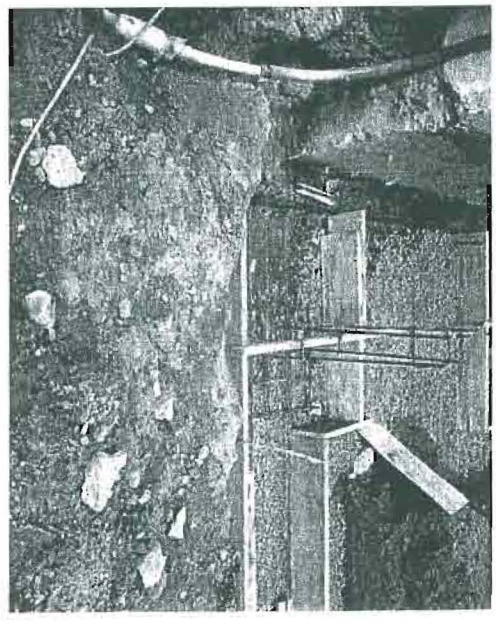
N/O = Not Observed

Notes: Air – 8.0%, Slump – 6" Temp. – 71°F

Attachments: Photos

Reviewed By: RED RED

S.W.COLE ENGINEERING, INC

Concrete Construction Observation Report

Project Name/Location:	Hale Trailer Building Addition	**Project No:**	10-1077 1
Client/Client's Rep.:	Biskup Construction Inc.	**Date:**	5-27-11
Concrete Contractor:	Concrete Construction Inc.	**Sheet:**	1 of 1
Placement Location:	South & East Walls	**SWCE Rep.:**	ARM
Placement Type:	Footing ☐ Wall ☒ Column ☐ Slab ☐ Other ☐	**Arrived at Site:**	10:00 AM
		Left Site:	12:00 PM

PRE PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Bar Size (diameter, length, bend and anchorage)	Yes ☒	No ☐	☐	Correct Size, #4
Location (# of bars, spacing, and cover)	Yes ☒	No ☐	☐	
Splicing (weld joint, overlap)	Yes ☒	No ☐	☐	
Stability (wiring, chairs, and spacers)	Yes ☒	No ☐	☐	
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes ☒	No ☐	☐	Clean Rebar
Reinforcement appears in conformance to specifications	Yes ☒	No ☐	☐	
Soil subgrade prepared in accordance with project specifications	Yes ☐	No ☐	☐	Footing

Referenced Drawings	**Date**	**Page**	**Rev.**	**ASTM**	**GRADE**
Foundation Plan	3/12/11	F-1		A 615 ☒	40 ☐ 50 ☐ 60 ☒
				A 616 ☐	75 ☐
				A 617 ☐	
				A 706 ☐	A 775 Epoxy ☐

CONCRETE PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Required mix used	Yes ☒	☐	☐	3000 psi
Placement and consolidation of concrete observed	Yes ☒	☐	☐	Vibrated
Concrete properly conveyed to all areas of placement	Yes ☒	☐	☐	Pumped
Depth of layer maximum limits not exceeded	Yes ☒	☐	☐	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes ☒	☐	☐	
Even layering around openings and embedments	Yes ☒	☐	☐	
Removal of temporary ties and spacers	Yes ☐	☐	☒	

FIELD TESTING OF CONCRETE PERFORMED Yes ☒ No ☐

***CYLINDER SET NO:** 257-2 ←**refer to associated concrete test report*

POST PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Specified finish	Yes ☒	☐	☐	Trowel Finish
Protection of surfaces from cracking due to rapid drying	Yes ☐	☐	☒	
Proper curing procedures implemented	Yes ☐	☐	☒	

NON-CONFORMANCE ITEMS OBSERVED Yes ☐ No ☒

Non-Conformance Item Description:

Action Taken by SWCE:

Person(s) Notified:

N/O = Not Observed

Notes: 3 loads placed by pump.

Attachments: None

Reviewed By: RED

S.W.COLE ENGINEERING, INC.

Concrete Construction Observation Report

Project Name/Location:	Hale Trailer Building Addition	**Project No:**	10-1077 1
Client/Client's Rep.:	Biskup Construction Inc.	**Date:**	5-31-2011
Concrete Contractor:	Concrete Construction Inc.	**Sheet:**	1 of 1
Placement Location:	Pier Footing: 2/3C Pier: 3/4E Wall: Vestibule	**SWCE Rep.:**	EEC
Placement Type:	Footing ☒ Wall ☒ Column ☐ Slab ☐ Other ☒	**Arrived at Site:**	1:00 PM
		Left Site:	3:00 PM

PRE PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Bar Size (diameter, length, bend and anchorage)	Yes ☒	No ☐	☐	Correct Size
Location (# of bars, spacing, and cover)	Yes ☒	No ☐	☐	
Splicing (weld joint, overlap)	Yes ☒	No ☐	☐	
Stability (wiring, chairs, and spacers)	Yes ☒	No ☐	☐	Concrete Blocks
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes ☒	No ☐	☐	Clean Rebar
Reinforcement appears in conformance to specifications	Yes ☒	No ☐	☐	
Soil subgrade prepared in accordance with project specifications	Yes ☒	No ☐	☐	Stone

Referenced Drawings	**Date**	**Page**	**Rev.**	**ASTM**	**GRADE**
Foundation Plan	3/12/11	F-1		A 615 ☒	40 ☐ 50 ☐ 60 ☒
				A 616 ☐	75 ☐
				A 617 ☐	
				A 706 ☐	A 775 Epoxy ☐

CONCRETE PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Required mix used	Yes ☒	☐	☐	3000 psi
Placement and consolidation of concrete observed	Yes ☒	☐	☐	
Concrete properly conveyed to all areas of placement	Yes ☒	☐	☐	
Depth of layer maximum limits not exceeded	Yes ☒	☐	☐	
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes ☒	☐	☐	
Even layering around openings and embedments	Yes ☒	☐	☐	
Removal of temporary ties and spacers	Yes ☐	☐	☒	

FIELD TESTING OF CONCRETE PERFORMED Yes ☒ No ☐

***CYLINDER SET NO:** 257-3 ←**refer to associated concrete test report*

POST PLACEMENT OBSERVATIONS	**In Compliance**		**N/O**	**Comments**
Specified finish	Yes ☒	☐	☐	Trowel Finish
Protection of surfaces from cracking due to rapid drying	Yes ☐	☐	☒	
Proper curing procedures implemented	Yes ☐	☐	☒	

NON-CONFORMANCE ITEMS OBSERVED Yes ☐ No ☒

Non-Conformance Item Description:

Action Taken by SWCE:

Person(s) Notified:

N/O = Not Observed

Notes: Air – 8.0%, Slump – 6" Temp. – 71°F

Attachments: None

Reviewed By: RED

S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - PROPOSED BUILDING EXPANSION - MATERIALS TESTING
Project Number: 10-1077 1
Client: BISKUP CONSTRUCTION, INC.
Client Contract Number:
General Contractor:
Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/24/2011 **Time Cast:** 2:15
Date Received: 5/25/2011
Placement Location: FOOTINGS: LINE A (1-4) LINE 1 (A-E) VESTIBULE FOOTINGS, PIER E2
Placement Method: TAILGATE
Placement Vol. (yd^3): 20
Cylinders Made By: SJC
Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures
Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

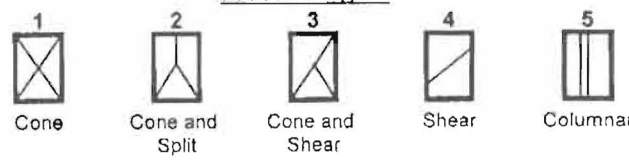
Admixtures: MIDRANGE

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6
Air Content (%) (C-231): **Air WR:** 8.0
Air Temp (°F): 77
Conc. Temp (°F) (C-1064): 71
Load Number: 1
Mixer Number: 177
Ticket Number: 3937972
Cubic Yards: 10
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
257-1A		4.00	12.57	5/31/2011	Lab	7	4	29.9	2380
257-1B		4.00	12.57	6/21/2011	Lab	28	4	40.6	3230
257-1C		4.00	12.57	6/21/2011	Lab	28	4	41.0	3260 ✓
257-1D				Hold	Lab				

Fracture Types



Remarks:

S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - PROPOSED BUILDING EXPANSION - MATERIALS TESTING

Project Number: 10-1077 1

Client: BISKUP CONSTRUCTION, INC.

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/27/2011 **Time Cast:** 11:33 **Date Received:** 5/28/2011

Placement Location: SOUTH AND EAST WALLS

Placement Method: PUMP (MOORE)

Placement Vol. (yd^3): 29

Cylinders Made By: ARM

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM - MID RANGE

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5

Air Content (%) (C-231): **Air WR:** 7.3

Air Temp (°F): 75

Conc. Temp (°F) (C-1064): 73

Load Number:

Mixer Number: 190

Ticket Number: 3937999

Cubic Yards: 10

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
257-2A		4.00	12.57	6/3/2011	Lab	7	4	37.7	3000
257-2B		4.00	12.57	6/24/2011	Lab	28	4	43.1	3430
257-2C		4.00	12.57	6/24/2011	Lab	28	4	44.3	3530 ✓
257-2D				Hold	Lab				

Fracture Types

Remarks:

S.W.COLE ENGINEERING, INC

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - PROPOSED BUILDING EXPANSION - MATERIALS TESTING

Project Number: 10-1077 1

Client: BISKUP CONSTRUCTION, INC.

Client Contract Number:

General Contractor:

Concrete Supplier: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 5/31/2011 **Time Cast:** 14:20 **Date Received:** 6/1/2011

Placement Location: PIER FOOTINGS @ 2 AND 3 C PIERS @ 3 + 4 E WALLS FOR VESTIBULE

Placement Method: REAR DISCHARGE

Placement Vol. (yd^3): 9

Cylinders Made By: EEC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: GLENIUM MID RANGE

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 3

Air Content (%) (C-231): **Air WR:** 4.5

Air Temp (°F): 85

Conc. Temp (°F) (C-1064): 67

Load Number: 1

Mixer Number: 181

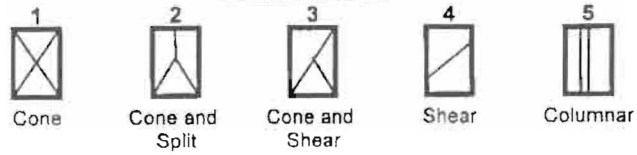
Ticket Number: 3938022

Cubic Yards: 9

Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area$(In)^2$	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
257-3A		4.00	12.57	6/7/2011	Lab	7	4	52.2	4150
257-3B		4.00	12.57	6/28/2011	Lab	28	4	64.1	5100
257-3C		4.00	12.57	6/28/2011	Lab	28	4	66.6	5300 ✓
257-3D				Hold	Lab				

Fracture Types



Remarks:

S.W.COLE ENGINEERING, INC.

Report of Grout Compressive Strength

ASTM C109

Project Name: Portland ME - Proposed Building Expansion - Geotechnical Engineering & Materiasl Testing Services

Project Number: 10-1077.1

Client: Biskup Construction, Inc.

Client Contract Number:

General Contractor:

Supplier:

PLACEMENT INFORMATION

Date Cast: 7/6/2011 **Time Cast:** 9:00

Date Received: 7/7/2011

Placement Location: BRICK PIERS AT ENTRANCE

Placement Method:

Placement Vol. (yd³):

Cylinders Made By: ERIK COHENOUR

Aggregate Size (in):

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

Slump (in) (C-143):

Air Temp (°F): 85

Grout Temp (°F) (C-1064):

Batch Number:

Mixer Number:

Ticket Number:

Design (psi): 3000

Cube Designation	Area(In)²	Date Of Test	Age (days)	Load (kips)	Strength (psi)
257-5A	10.56	7/13/2011	7	31.5	2980 ✓
257-5B		8/3/2011	28		
257-5C		8/3/2011	28		
257-5D					

Remarks:

S.W.COLE ENGINEERING, INC.

Report of Mortar Compressive Strength

ASTM C109

Project Name: Portland ME - Proposed Building Expansion - Geotechnical Engineering & Materiasl Testing Services

Project Number: 10-1077.1

Client: Biskup Construction, Inc.

Client Contract Number:

General Contractor:

Masonry Contractor:

PLACEMENT INFORMATION

Date Cast: 7/6/2011 **Time Cast:** 9:00

Date Received:

Placement Location: BRICK PIERS AT ENTRANCE

Batch Method: BUCKETS

Product Manufacturer: QUIKRETE

Specimens Made By: ERIK COHENOUR

Aggregate:

INITIAL CURING CONDITIONS

Min. Temp (°F) **Max. Temp (°F)**

MIX INFORMATION

Mortar Type: S

Admixtures:

TEST RESULTS

Air Temp (°F): 85

Mortar Temp (°F) (C-1064):

Ambient RH (%):

Flow Cone (%):

Cube Designation	Area(In)²	Date Of Test	Age (days)	Load (kips)	Strength (psi)
257-4A	4.00	7/13/2011	7	7.0	1750
257-4B	4.00	7/13/2011	7	7.8	1950 ✓
257-4C	4.00	7/13/2011	7	6.4	1600
257-4D		8/3/2011	28		
257-4E		8/3/2011	28		
257-4F		8/3/2011	28		

Remarks:

Note: ASTM C270 specifies mortar testing under laboratory conditions only for acceptance of mortar mixes under the property specification. Field sampling and testing of mortar is conducted under ASTM C780 and is used to verify consistency of materials and procedures, not mortar strength.

Quality Assurance Labs Inc.
NON-DESTRUCTIVE TESTING AND INSPECTION SERVICES
80 PLEASANT AVENUE • SOUTH PORTLAND, MAINE 04106 • TEL: (207) 799-8911 • FAX: (207) 799-7251

INSPECTION REPORT

CUSTOMER:	S. W. COLE ENGINEERING		PAGE 1 OF 1
ADDRESS:	GRAY , ME.		
ATTENTION:	ROGER DOMINGO		
COPIES:	FILE		
PROJECT:	HALE TRAILER - PORTLAND , ME.		
OWNER:	SAME		
CONTRACTOR:	BISKUP CONSTRUCTION		
JOB No.: 10-1077.1	REPORT No.: QAL-11-1385	P. O. NUMBER:	DATES INSPECTED: 06-30-11

REMARKS

>>>>>> SITE VISIT TO PERFORM VISUAL INSPECTIONS OF PRE-ENGINEERED WAREHOUSE ADDITION ; GRID LINE LOCATIONS 1 - 4 , A - E ROOF FRAMING PLAN .

> MAIN FRAME COLUMN ANCHOR BOLTED CONNECTIONS COMPLETE .

> MAIN FRAME TO ROOF RAFTER HIGH STRENGTH A325 BOLTED CONNECTIONS COMPLETE

> RAFTER TO RAFTER HIGH STRENGTH A325 BOLTED SPLICE CONNECTIONS COMPLETE .

> WALL GIRTS TO COLUMN BOLTED CONNECTIONS COMPLETE .

> ROOF PURLINS TO RAFTER CONNECTIONS COMPLETE , TO INCLUDE PURLIN TO RAFTER ANGLE BRACE CONNECTIONS .

> ROOF AND WALL DIAGONAL CABLE STAY BRACE CONNECTIONS COMPLETE .

COMPLETED ITEMS COMPLY WITH SITE DOCUMENTS, AISC, AND AWS D1.1 FOR VISUAL ACCEPTANCE

END ITEMS/////

FAA REPAIR STATION NUMBER RX5R187N
METHOD(S),PROCESS(ES),PROCEDURE(S) MERCURY FREE

ADDITIONAL INFORMATION - SEE ATTACHED: ☐ SKETCH(ES) ☐ SUPPLEMENTARY SHEET(S) ☐ NDT REPORTS ☐ VIDEO

SIGNATURES		CERTIFICATION	LEVEL	DATE M D Y
INSPECTOR M. Drew	CWI # 99050211	ASNT	II	06 30 11
SUPERVISOR				

(FORM Q703 REV 0)

S.W.COLE ENGINEERING, INC. • Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

CONSTRUCTION OBSERVATION REPORT

Project: Hale Trailer Building Addition
Client: Biskup Construction, Inc.
Client's Rep.: Jim Biskup

SWCE Project No.: 10-1077 1
Date: 7-26-11
Weather: Overcast, clearing, 70s

Work in Progress: Biskup Construction, Inc.: Miscellaneous structure fit-up details.

Work Performed by SWCE Rep.: Made observations of as-built wood frame construction at entrance canopy.

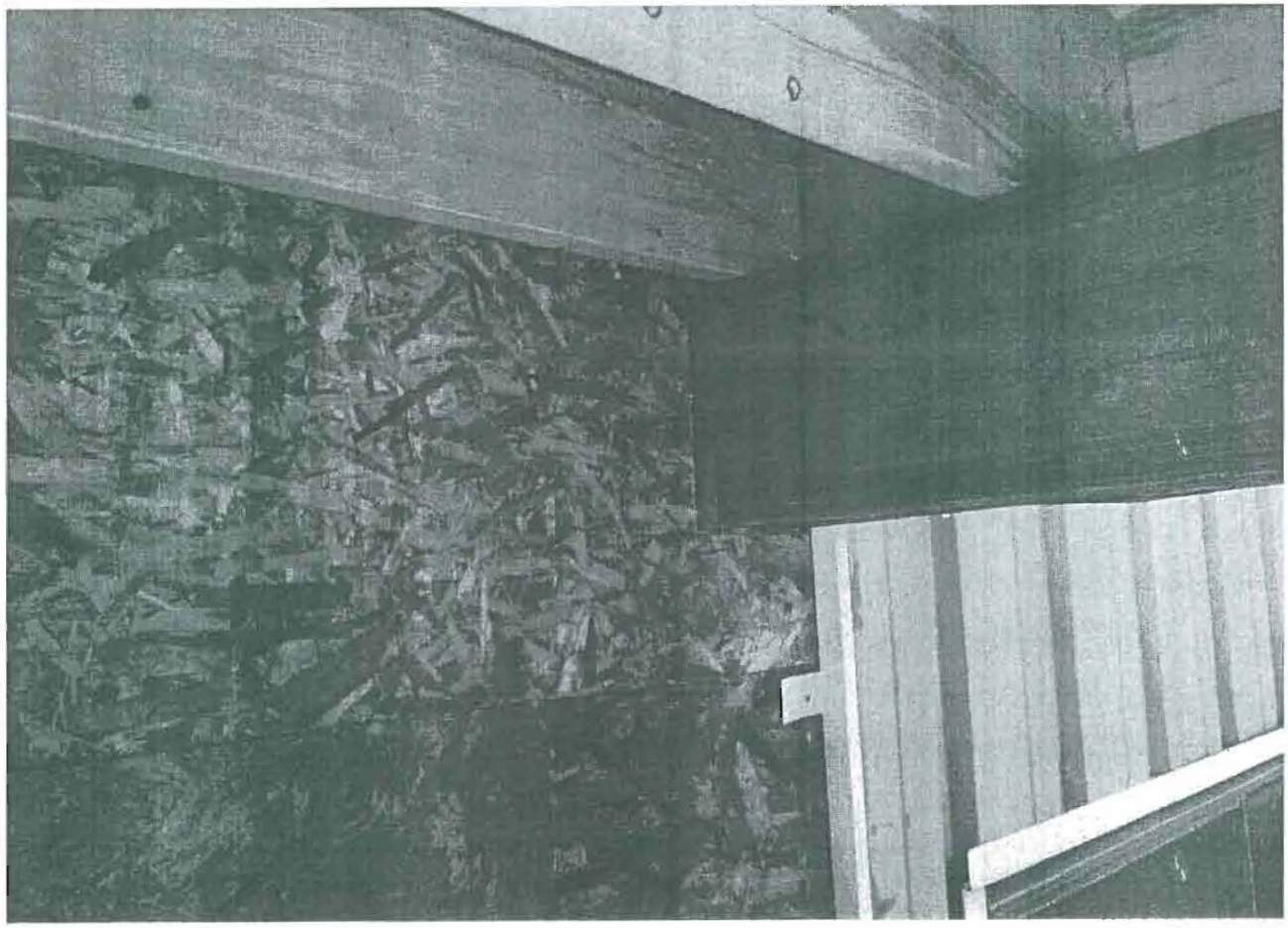
General Observations, Discussions, Etc: As requested by Biskup Construction, we made a site visit to observe wood frame details for an 8 by 12-foot (plan dimension) entrance canopy on the south side of the existing Hale Trailer building. We met on site with Sid (Biskup Construction) and compared the observed construction and associated connections to the structural drawing provided (Sheet F-3 Foundation Details dated 3-12-2011 stamped by Associated Design Partners, Inc.). General construction and visible connections generally appeared to be as per plan. Framing consists of LVL supported 16-inches on center with 2"x8" rafters, 2"x10" ridge and 2"x6" collar ties. Rafter hold down clips and nailing patterns appeared to have been installed as detailed. The roof sheathing had been upgraded from the detailed 5/8-inch to ¾-inch tongue and groove with the specified nailing pattern. The LVL connections to the existing structure was not readily accessible, but portions of Simpson connections utilized were evident. The masonry wrapped concrete columns supporting the free end of the roof structure had ½-inch threaded rod protruding for the ¼-inch steel angles (not tightened yet, angles need shimming), however, the bolted connections between the LVL's and the angles were made with ⅜-inch diameter bolts rather than the specified ½-inch size. We discussed this connection with Sid and understand that they will install the specified fasteners. No other issues were noted during our visit.

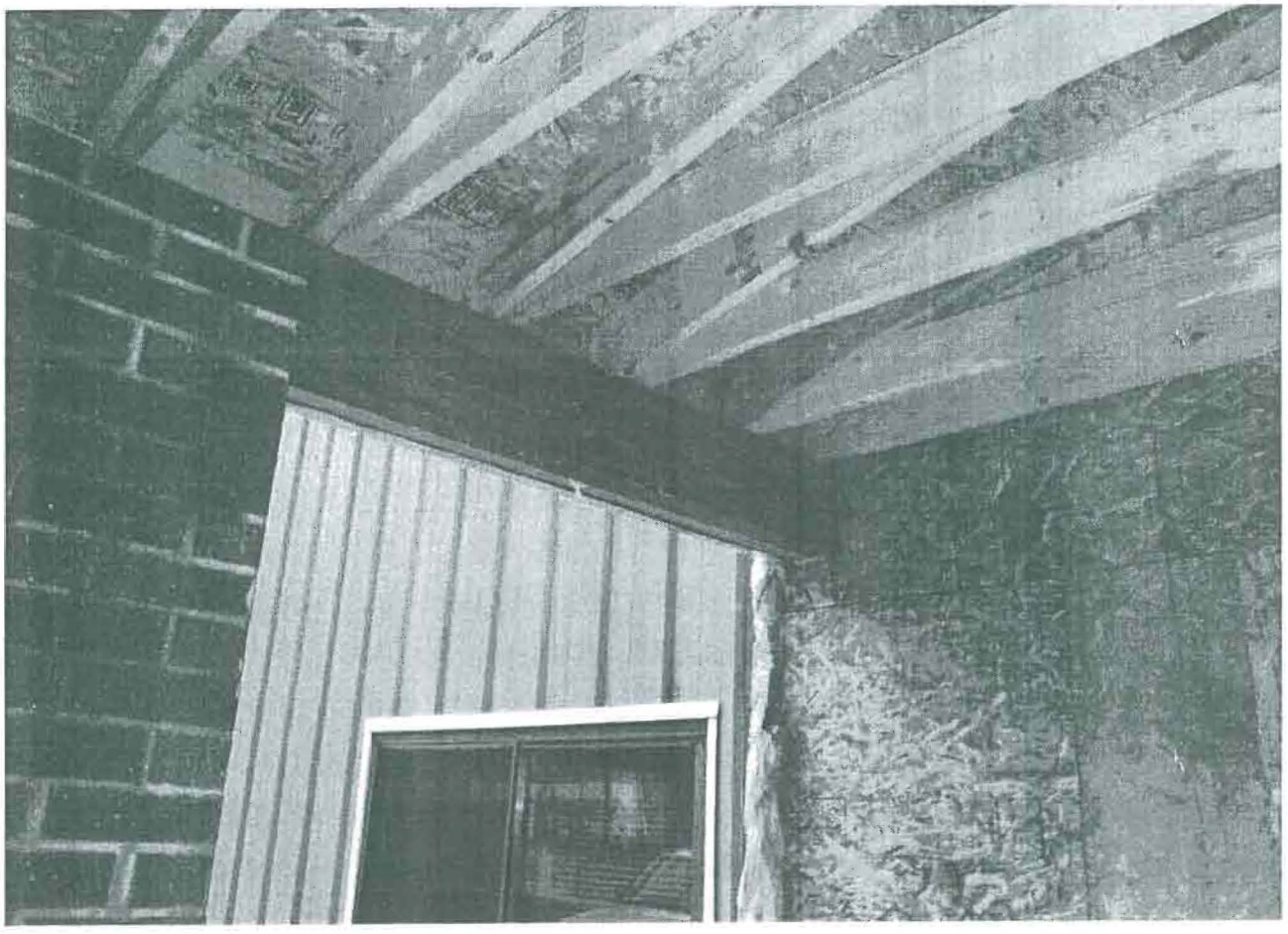
INSTALLED ADD'L RAFTER HOLES 7/29/11 KBG

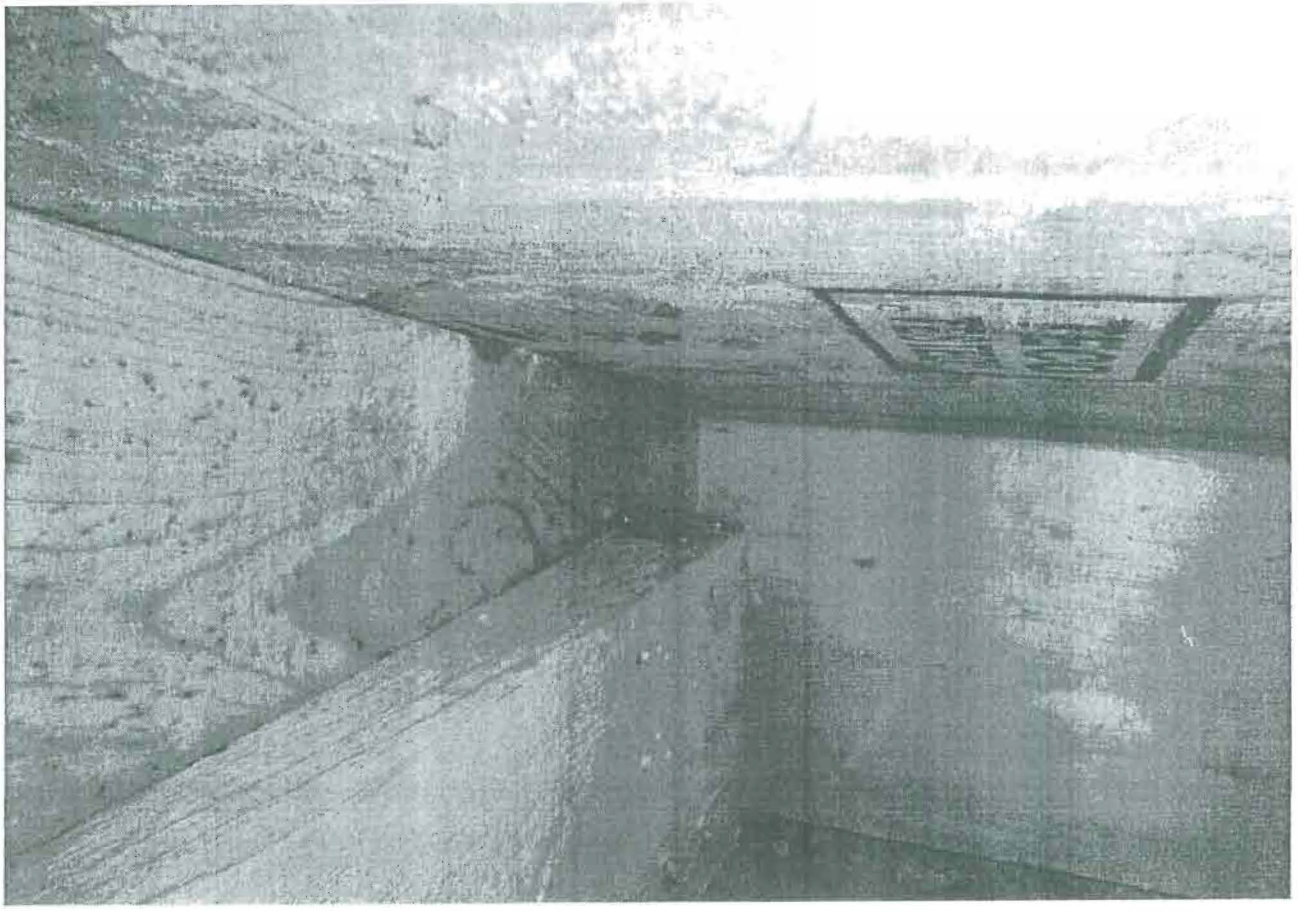
On Site: 7:00 am -8:00 am
Attachments: Photos
Sheet: 1 of 1

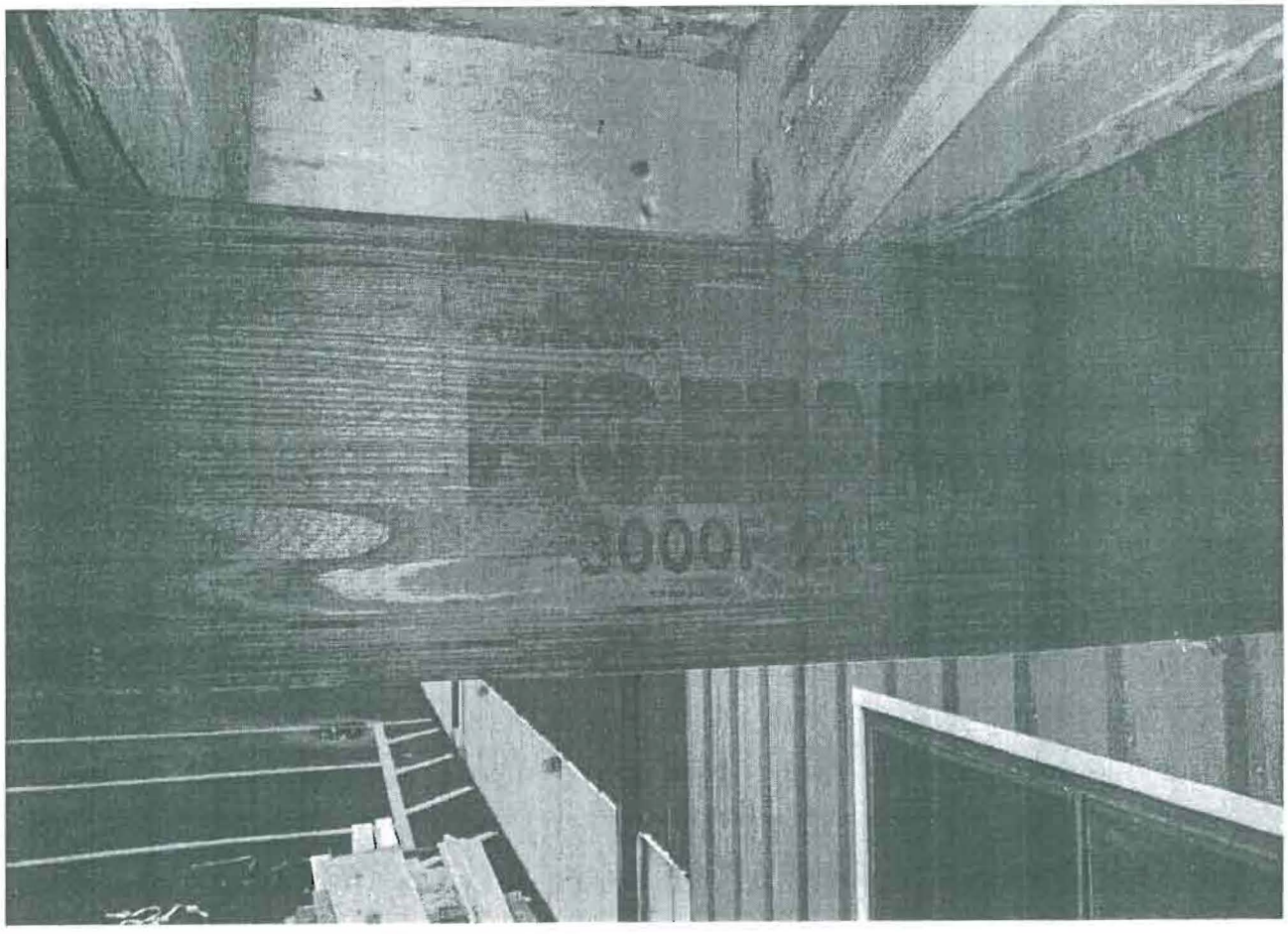
SWC Rep.: KBG
Rev. by: RED

GRAY, ME OFFICE
286 Portland Road, Gray, ME 04039, Tel (207) 657-2866, Fax (207) 657-2840, (E) infogray@swcole.com, (I) www.swcole.com









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www.packagesteel.com
sales@packagesteel.com

Customer:	Project:	
Biskup Construction Inc.	Hale Trailer	Date: 1/11/11
16 Danielle Drive	20 Pinetree Industrial Park	Project ID: 11283
Windham, ME 04062	Portland, ME 04102	

Width:	Length:	Lt. Eave:	Rt. Eave:	Pitch:
80 ft.	57.5 ft.	25.33 ft.	22 ft.	0.5:12

To Whom It May Concern,

This letter is to certify that the subject building is designed and fabricated in accordance with the order documentation; The 13th Edition of The American Institute of Steel Construction (AISC) "Manual of Steel Construction"; the 2001 Edition of the North American United States Manual (NAUS01); the 2006 Edition of the MBMA Low Rise Building Systems Manual and the applicable sections of The American Welding Society (AWS D1.1) specifications for the loads indicated.

The criteria for application of design loads are as follows:

GOVERNING CODE:	IBC 09	BUILDING CLASS: II - Normal	
Dead Load:	3.000 psf	Ground Snow,Pg:	60.0000 psf
Collateral Load:	5 psf	Flat Roof Snow,Pf:	42 psf
Live Load:	20.00 psf	Snow Exp. Factor,Ce:	1.00
Live Load Reduction:	No	Snow Therm. Factor,Ct:	1.00
Basic Wind Speed:	94 mph	Snow Imp. Factor,Is:	1.0000
Wind Exposure:	B	Seis.Imp. Factor,Ie:	1.00
Enclosure Type:	Closed	Seis.Design Cat.,SDC:	B
Wind Imp. Factor,Iw:	1.00	Site Class:	D
Int.Pres.Coef.,GCpi:	0.18	Spec.Resp.Coef.,Sds:	0.3320
Auxillary Load:	None	Spec.Resp.Coef.,Sd1:	0.1248

Note:
Additional components, such as panel and trims, may be fabricated and provided for use in a Package Industries, Inc. (PII) building by other manufacturers.

This Letter of Certification applies solely to the building frames and components as supplied by PII and specifically excludes any foundation, masonry, general contract work, and materials not furnished by PII. It also excludes any unauthorized modification to the PII framing systems. The Buyer is responsible for verifying that the loads, specified above, are in compliance with those required by the local regulatory authorities.

Sincerely,

STATE OF MAINE
CHARLES W. EMBDEN
No. 11521
REGISTERED PROFESSIONAL ENGINEER

Charles Embden,

1/11/11

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

PACKAGE INDUSTRIES, INC.
15 HARBACK ROAD
SUTTON, MASSACHUSETTS 01590

Inspection Program for the Manufacture of Metal Building Systems MB-195

has demonstrated that its in-plant inspection program for Part A-Fabrication of Structural Weldments and Cold-formed Products Requiring Welding, Part B-Fabrication of Cold-formed Products Not Requiring Welding, and Part C-Design of Metal Building Systems is in compliance with the International Accreditation Service, Inc., Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems (AC472) and is recognized under Section 1704.2.2 of the 2000, 2003, 2006 or 2009 *International Building Code®*, commencing December 30, 2010; expiring December 29, 2011.

Fabrication inspection procedures covered by this certificate are conducted in accordance with the fabricator's approved quality control manual. Periodic plant inspections are conducted by Bucher, Willis & Ratliff Corporation (AA-586), at 15 Harback Road, Sutton, Massachusetts, to monitor the fabricator's quality management system verifying continual compliance with the requirements as listed in the above scope of accreditation. Accreditation is limited to the specified inspections related to the fabrication processes and procedures only. Accreditation does not cover the product, or the design or performance characteristics of the fabricated product.

Patrick V. McCullen
Vice President

IAS ACCREDITED

C. P. Ramani, P.E.
President

Print Date: 01/11/2011

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541

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ICC INTERNATIONAL CODE COUNCIL

10-03066