



**Forms and Reports contained in:**

## **Civil Special Inspections**

### **Project Template and Report Package**

This package contains samples of the User Input Forms and associated Reports that are included in the "Civil Special Inspections" package. Use the "Book Mark" Feature of your PDF viewer to see Table of Contents listing of all pages contained in this document.

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# Expansion Anchors Inspection

## Reports

Assignment Summary Inspection Check List Expansion Anchor

## Actions

Inspection Date	November 26, 2016	Today	Clear
Location Map Marker	Here	Map	Clear
Item Inspected 1	Item Inspected 1		
Location(s) 1	Location(s) 1		
Elevation 1	Elevation 1		
Item Inspected 2	Item Inspected 2		
Location(s) 2	Location(s) 2		
Elevation 2	Elevation 2		

## ANCHOR QUALITY/DOCUMENTATION • Approved submittals • MFG cert

Anchor Quality/Documentation Acceptable?	Serviceable	Not Serviceable	NA
Anchor Quality/Documentation Remarks	Furnished Expansion Anchors were NOT from an acceptable source/supplier.		
	Furnished Expansion Anchors were NOT of the proper size, material, coating, schedule, etc.)		
	Furnished Expansion Anchors did NOT meet the requirements of the plans and Specs.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
	Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Expansion Anchors.		
	Furnished Expansion Anchors were NOT from an acceptable source/supplier;		

## HOLE PREPARATION • Diameter and Depth • Cleanliness - Blown Brushed Blown w/ Compressed air

Hole Preparation Acceptable?	Serviceable	Not Serviceable	NA
Hole Preparation Remarks	Holes are NOT of proper diameter and depth.		
	Holes have not been properly blown brushed and re-blown.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
	Holes are NOT of proper diameter and depth;		

## INSERTION/SEATING PROCESS • Torque Testing

Insertion/Seating Process Acceptable?	Serviceable	Not Serviceable	NA
Insertion/Seating Process Remarks	Proper Torque Testing was NOT performed on all Anchors.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
	Proper Torque Testing was NOT performed on all Anchors;		

## INSERTION/SEATING PROCESS • Torque Testing

Insertion/Seating Process Acceptable?	Serviceable	Not Serviceable	NA
Insertion/Seating Process Remarks	Proper Torque Testing was NOT performed on all Anchors.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
	Proper Torque Testing was NOT performed on all Anchors;		
Schedules/Details/RFI Referenced	Schedules/Details/RFI Referenced		
Remarks	Remarks		
Weather	Partly Cloudy w/ Wind		
Temperature	Very Hot 95 - 100		
Inspection Duration (Hours)	6		
Code Inspected to	AWS	AISC	IBC
Acceptance Decision	Pass	Fail	Eng. Judge
Inspector Certification	Begins ACI CTT #6789		
Reviewer Certification	Kidd ICC Concrete #8901		
	Save	Cancel	



## Expansion Anchors Special Inspection and Check List

**Report Date:** 3/9/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** AISC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / EXPANSION ANCHORS / Insp ChkList Expansion Anchors

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
ANCHOR QUALITY/DOCUMENTATION • Approved submittals • MFG cert		Not Serviceable	Furnished Expansion Anchors were NOT from an acceptable source/supplier.;
HOLE PREPARATION • Diameter and Depth • Cleanliness - Blown Brushed Blown w/ Compressed air		Not Serviceable	Holes are NOT of proper diameter and depth.;
INSERTION/SEATING PROCESS • Torque Testing		Not Serviceable	Proper Torque Testing was NOT performed on all Anchors.;

**Weather:** Partly Cloudy w/ Wind

**Inspection Duration (Hours):** 6

**Temperature:** Very Hot 95 - 100

**Acceptance Decision:** Fail

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Bagins ACI CTT #6789

**Manager Cert:** Kidd ICC Concrete #8901

**System Link:** <http://demo.Vahalo.com/assignments/5afe8046-0d01-43a7-c43e-636025238801>

## Post Tension Inspection

### Reports

Assignment Summary		Inspection Check List - Post Tension	
Inspection Date	November 26, 2016	Today	Clear
Location Map Marker	Here	Map	Clear
Item Inspected 1	Item Inspected 1		
Location(s) 1	Location(s) 1		
Elevation 1	Elevation 1		
Item Inspected 2	Item Inspected 2		
Location(s) 2	Location(s) 2		
Elevation 2	Elevation 2		

**MIX/MTLS DOCUMENTED • Source/supplier verified • Mix Design Approved • Surface evaporation Plan(Curing compound) • Hot/Cold weather plan**

Mix/MTls Documentation Acceptable?	Accept	Report	NA
Mix/MTls Documentation Remarks	<div>Concrete mix was NOT approved.</div> <div>Source/Supplier was not approved.</div> <div>Inadequate lab test samples taken for concrete strength and Aggregate gradation.</div> <div>Source/Supplier was not approved.;</div>		
	<div>No Surface evaporation Plan was submitted.</div> <div>No Hot/Cold weather plan was submitted.</div> <div>See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)</div>		

**TENDON QUALITY/DOCUMENTATION • Tendon Mfg. Mill Cert • Sheathing Mfg. Cert**

Tendon Quality/Documentation Acceptable?	Accept	Report	NA
Tendon Quality/Documentation Remarks	<div>Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Tendon and Sheathing Material.</div> <div>Tendons were NOT of the proper size, material, coating, schedule, etc.)</div> <div>Tendons were NOT of the proper size, material, coating, schedule, etc.);</div>		
	<div>Sheathing was NOT of the proper size, material, coating, schedule, etc.)</div> <div>See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)</div>		

**REINFORCING • Rebar approved, Mfg. Certs and submittals on file • Coating Condition • Number and placement per plan • Tied and Spliced per spec • Cover • Bar Positioners spacing and number • Tendon Placement • Sheathing Quality and Condition**

Reinforcing Acceptable?	Accept	Report	NA
Reinforcing Remarks	<div>Interface to existing concrete were NOT properly reinforced, cured, cleaned and surface prepped.</div> <div>Excessively hot surfaces were NOT cooled prior to placement.</div> <div>Interface to existing concrete were NOT properly reinforced, cured, cleaned and surface prepped.;</div>		
	<div>Excessively cold or frozen surfaces were NOT warmed or removed to avoid freezing the concrete.</div> <div>See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)</div>		

**PLACEMENT EQUIPMENT • Delivery truck • delivered within time constraint • Agitated**

Equipment Acceptable?	Accept	Report	NA
Equipment Remarks	<div>Insufficient samples and cylinders were taken to meet requirements.</div> <div>Concrete was NOT Delivered and placed within the required time constraints</div> <div>Concrete was NOT properly mixed and agitated.</div> <div>Concrete did NOT have acceptable plastic flow, uniformity and workability characteristics.</div> <div>Insufficient samples and cylinders were taken to meet requirements.;</div>		
	<div>Required Air Slump and Temperature tests were NOT performed.</div> <div>Water Cement Ratio was NOT within requirements.</div> <div>See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)</div>		

**PLACEMENT METHOD • Continuous • No interruption • Placed near final destination • Avoided lateral movement via vibration • Temperature and Weather • No standing water**

Placement Method Acceptable?	Accept	Report	NA
Placement Method Remarks	<div>Material was NOT placed as near as possible to the final position, causing excessive lateral movement via vibration.</div> <div>Placement was NOT continuous and without interruption of greater that 45 minutes.</div> <div>Ambient temperatures were NOT within acceptable limits to avoid freezing or excessive heat.</div> <div>Placement was NOT continuous and without interruption of greater that 45 minutes.;</div>		
	<div>Standing water was present, required mix modifications were verified, proper placement technique via pump or tremie was used.</div> <div>See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)</div>		

**CONSOLIDATION METHOD • Proper Equipment, checked for effectiveness • Sufficient number of vibrators • Immediately after placement**

Consolidation Acceptable?

Accept

Report

NA

Consolidation Remarks

Concrete was NOT properly consolidated with hand-held power vibrators.

Mud was consolidated with paving machine vibrators.

Consolidation efforts were TOO LATE to provide adequate consolidation.

Slip Form Auto-vibration NOT working.

Vibrators were checked and found to be ineffective.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

TOO FEW vibrators were available to provide adequate consolidation.

Consolidation efforts were TOO LATE to provide adequate consolidation.;

**TEST CYLINDER • Lab test and Field Cure samples taken and properly stored • Time allowed for initial Set • Temperature monitors in place**

Test Cylinder Cure Acceptable?

Accept

Report

NA

Test Cylinder Cure Remarks

Strength Cylinders were NOT properly stored onsite in temperature controlled container for a minimum of (??) Hrs prior to transport to Lab.

Temperature monitors were NOT installed to cover all cylinders.

Strength Cylinders stored onsite in cooler for a minimum of (??) Hrs prior to transport to Lab.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

(##) field cures were stored on site.

Temperature monitors were NOT installed to cover all cylinders.;

**TENSIONING PROCESS • Verify Gauge & Jack Calibration • Measure Tendons • Verify Strength of Field Cures • Continuous Inspection During Stressing**

Tensioning Acceptable?

Accept

Report

NA

Tensioning Remarks

Gauge failed to produce the required Pressure

Tendons were NOT the proper length or diameter

Gauge was NOT properly calibrated

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Gauge failed to produce the required Pressure;

Schedules/Details/RFI Referenced

Schedules/Details/RFI Referenced

Remarks

Remarks

Weather

Partly Cloudy

Temperature

Cold 32 - 45

Inspection Duration (Hours)

5

Code Inspected to

AWS

AISC

IBC

PCI

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

James ICC Masonry #85467

Select

Clear

Reviewer Certification

Crockett AWS #63457

Select

Clear

Save

Cancel



## Post Tension Special Inspection and Check List

**Report Date:** 3/9/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** AISC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / POST-TENSIONED CONCRETE / Insp ChkList Post Tension

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
MIX/MTLS DOCUMENTED • Source/supplier verified • Mix Design Approved • Surface evaporation Plan(Curing compound) • Hot/Cold weather plan		Not Serviceable	Source/Supplier was not approved.;
TENDON QUALITY/DOCUMENTATION • Tendon Mfg. Mill Cert • Sheathing Mfg. Cert		Not Serviceable	Tendons were NOT of the proper size, material, coating, schedule, etc.);
REINFORCING • Rebar approved, Mfg. Certs and submittals on file • Coating Condition • Number and placement per plan • Tied and Spliced per spec • Cover • Bar Positioners spacing and number • Tendon Placement • Sheathing Quality and Condition		Not Serviceable	Interface to existing concrete were NOT properly reinforced, cured, cleaned and surface prepped.;
PLACEMENT EQUIPMENT • Delivery truck • delivered within time constraint • Agitated		Not Serviceable	Insufficient samples and cylinders were taken to meet requirements.;
PLACEMENT METHOD • Continuous • No interruption • Placed near final destination • Avoided lateral movement via vibration • Temperature and Weather • No standing water		Not Serviceable	Placement was NOT continuous and without interruption of greater that 45 minutes.;
CONSOLIDATION METHOD • Proper Equipment, checked for effectiveness • Sufficient number of vibrators • Immediately after placement		Not Serviceable	Consolidation efforts were TOO LATE to provide adequate consolidation.;
TEST CYLINDER • Lab test and Field Cure samples taken and properly stored • Time allowed for initial Set • Temperature monitors in place		Not Serviceable	Temperature monitors were NOT installed to cover all cylinders.;
TENSIONING PROCESS • Verify Gauge & Jack Calibration • Measure Tendons • Verify Strength of Field Cures • Continuos Inspection During Stressing		Not Serviceable	Gauge failed to produce the required Pressure;

**Weather:** Partly Cloudy

**Temperature:** Cold 32 - 45

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Inspection Duration (Hours):** 5

**Acceptance Decision:** Fail

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** James ICC Masonry #85467

**Manager Cert:** Crockett AWS #63457

**System Link:** <http://demo.Vahalo.com/assignments/f5910362-638c-4c05-7da6-33222c95ffed>



**System Link:** <http://demo.Vahalo.com/assignments/834e2df2-53b3-44a0-3bdd-d181d0cae7fc>



# Precast Concrete Inspection

## Reports

Assignment Summary	Precast Inspection (Check List)	Pre-Cast Inspection W/Items
--------------------	---------------------------------	-----------------------------

Actions

Inspection Date: February 14, 2017 Today Clear

Location Map Marker: Here Map Clear

Precast Yard: Acme Supply Select Clear

Concrete Supplier: Bedrock Gravel and Stone Select Clear

**DOCUMENTS • Plant Pre-qualified • Certified Technicians • Conforms to Approved Drawings, Notes, Specifications • Hot/Cold weather Plan**

Documents Acceptable? Accept Report NA

Documents Remarks:

Concrete mix was NOT approved.	No Surface evaporation Plan was submitted.
Source/Supplier was not approved.	No Hot/Cold weather plan was submitted.
Inadequate lab test samples taken for concrete strength and Aggregate gradation.	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Required Air Slump and Temperature tests were NOT performed.;

**FORMWORK • Proper Materials • Proper Bracing, Block-outs, Chamfers, Liners, Lifting Hardware, Embed Plates • Size and Dimensions per Plan • Clean and Free of Debris • Oiled for Release**

Formwork Acceptable? Accept Report NA

Formwork Remarks:

Formwork was NOT properly braced.	Formwork was NOT properly cleaned and oiled for release.
Formwork was NOT the correct size per plan.	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Formwork was NOT properly cleaned and oiled for release.;

**REINFORCING • Rebar approved, Mfg. Certs and submittals on file • Coating Condition • Number Size and Spacing per Plan • Tied and Spliced per Spec • Cover • Bar Positioners spacing and number • Pick Points**

Reinforcing Acceptable? Accept Report NA

Reinforcing Remarks:

Expansion Joints were NOT acceptable.	Rebar tying splicing and overlapping was NOT per plan and spec.
Rebar was NOT approved.	Cover provided for rebar was NOT per plan.
Some Rebar Mfg. Certifications and submittals are missing.	Rebar supports were NOT acceptable.
Rebar coating is missing or damaged.	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)
Number and placement of rebar was NOT per Plan.	

Cover provided for rebar was NOT per plan.;

**PLACEMENT METHOD • Continuous, Timely • Placed near final destination • Vibrators not used for lateral movement • Temperature and Weather • No standing water**

Placement Method Acceptable? Accept Report NA

Placement Method Remarks:

Material was NOT placed as near as possible to the final position, causing excessive lateral movement via vibration.	Standing water was present, required mix modifications were verified, proper placement technique via pump or tremie was used.
Placement was NOT continuous and without interruption of greater than 45 minutes.	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)
Ambient temperatures were NOT within acceptable limits to avoid freezing or excessive heat.	

**CONSOLIDATION METHOD • Proper Equipment, Vibratable, Checked for Effectiveness • Sufficient number of vibrators • Consolidated Immediately after placement**

Consolidation Acceptable? Accept Report NA

Consolidation Remarks:

Concrete was NOT properly consolidated with hand-held power vibrators.	Mud was consolidated with paving machine vibrators.
Consolidation efforts were TOO LATE to provide adequate consolidation.	Slip Form Auto-vibration NOT working.
Vibrators were checked and found to be ineffective.	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)
TOO FEW vibrators were available to provide adequate consolidation.	

Consolidation efforts were TOO LATE to provide adequate consolidation.;

**TEST CYLINDER • Proper On-site storage w/ temperature control and time to allow initial Set**

Test Cylinder Cure Acceptable? Accept Report NA

Test Cylinder Cure Remarks:

Strength Cylinders were NOT properly stored.	Temperature and moisture were NOT properly controlled during the initial setup period.
7 day release break did not meet requirements	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Strength Cylinders stored onsite in cooler for a minimum of (??) Hrs prior to transport to Lab.;

## POST-CURE PRE-SHIP CONDITION • Proper Cure • Proper storage conditions • Cracks, Spalls, Chips, Deformities, Defects • Witness 7 Day release Break by QC

Post-Cure Acceptable?	Accept	Report	NA
Post-Cure Documentation Remarks	Concrete mix was NOT approved.		No Surface evaporation Plan was submitted.
	Source/Supplier was not approved.		No Hot/Cold weather plan was submitted.
	Inadequate lab test samples taken for concrete strength and Aggregate gradation.		See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)
Schedules/Details/RFI Referenced	Schedules/Details/RFI Referenced		
Remarks	Remarks		
Weather	Partly Cloudy w/ Wind		
Temperature	Cool 45 - 50		
Inspection Duration (Hours)	6		
Code Inspected to	AWS AISC IBC PCI		
Acceptance Decision	Pass Fail Eng. Judge		
Inspector Certification	Crockett AWS #63457		
Reviewer Certification	Kidd ICC Concrete #8901		

## Concrete Quality Assessment

Number of Loads Rejected	1
Number of Loads Retested	2
Number of Loads Observed Tested	8
Mix ID Number	D678
Quantity (CY Total Placement)	79
Slump Spread (in)	2
Air Content (%)	5.67
Placement Time (Minutes)	7
Concrete Temperature	71
Ambient Air Temp	45
VSI	3
Unit Weight	138.7
Cylinders made?	Yes No
Batch Weights and W/C Ratio Acceptable	Yes No
Comments	My comments
Save  Cancel	

## Pre-Cast Inspection Item

### Pre-Pour Inspection

Pre-Cast Product Description	Barrier-Terminal End		
Piece Number	G457		
Quantity (Pieces)	4		
Project Name	Project 56		
Drawing Number	D-34		
Stamp Date	February 03, 2017		
QA Inspector Assessment	Issue - Product		
Pre-Pour QC Signoff			



# Pre-Cast Concrete Inspection

Star Fleet Construction  
Main Shop 2  
5041 Pasadena Hwy  
#701  
Pasadena Texas, 77505

**Report Date** 3/10/2017

**Date Inspected** 2/14/2017

**Inspection Duration** 6.0

**Acceptance Decision** Fail

**Pre-Cast Yard** Acme Supply

**Concrete Supplier** Bedrock Gravel and Stone

**Project No** Star-Lab1

**Client Reference No** 45678

**Code** AISC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / PRE-CAST CONCRETE / KG5467 InspPrecastConcrete GP 2/14

Area of Concern	Accept Report	Comments
FORMWORK • Proper Materials • Proper Bracing, Block-outs, Chamfers, Liners, Lifting Hardware, Embed Plates • Size and Dimensions per Plan • Clean and Free of Debris • Oiled for Release	Not Serviceable	Formwork was NOT properly cleaned and oiled for release.;
REINFORCING • Rebar approved, Mfg. Certs and submittals on file • Coating Condition • Number Size and Spacing per Plan • Tied and Spliced per Spec • Cover • Bar Positioners spacing and number • Pick Points	Not Serviceable	Cover provided for rebare was NOT per plan.;
DOCUMENTS • Plant Pre-qualified • Certified Technicians • Conforms to Approved Drawings, Notes, Specifications • Hot/Cold weather Plan	Not Serviceable	Required Air Slump and Temperature tests were NOT performed.;
PLACEMENT METHOD • Continuous, Timely • Placed near final destination • Vibrators not used for lateral movement • Temperature and Weather • No standing water	Serviceable	
CONSOLIDATION METHOD • Proper Equipment, Vibratable, Checked for Effectiveness • Sufficient number of vibrators • Consolidated Immediately after placement	Not Serviceable	Consolidation efforts were TOO LATE to provide adequate consolidation.;
TEST CYLINDER • Proper On-site storage w/ temperature control and time to allow initial Set	Not Serviceable	Strength Cylinders stored onsite in cooler for a minimum of (??) Hrs prior to transport to Lab.;
Post-Cure Documentation Remarks	Serviceable	

**Weather** Partly Cloudy w/ Wind

**Temperature** Cool 45 - 50

**General Remarks** Remarks

**Inspector** Greg Putnam

**Inspector Cert** Crockett AWS #63457

**Reviewer** Greg Putnam

**Reviewer Cert** Kidd ICC Concrete #8901

<b>Pre-Pour Inspection</b>			
<b>Product Description</b> Barrier-Jersey		<b>Piece Number</b> D3465	
<b>Project Name</b> Project 56		<b>Quantity</b> 3	
<b>InspectorAssessment</b> OK as-is		<b>Drawing No.</b> D-34	
<b>QC Signoff</b>		<b>Dwg Stamp Date</b> 2/1/2017	
<b>Concrete Quality Assessment</b>			
<b>#Loads Rejected</b>	1	<b>Slump/Spread</b>	2.50
<b># Retested</b>	2	<b>Air Content %</b>	4.80
<b># Observed</b>	6	<b>Concrete Temp</b>	77
<b>Mix ID</b>	D678	<b>Ambient Temp</b>	58
<b>Qty(CY Total)</b>	59.0	<b>Cylinders?</b>	Yes
<b>Remarks</b>		My Commnets	

  

<b>Pre-Pour Inspection</b>			
<b>Product Description</b> Barrier-Terminal End		<b>Piece Number</b> G457	
<b>Project Name</b> Project 56		<b>Quantity</b> 4	
<b>InspectorAssessment</b> Issue - Product		<b>Drawing No.</b> D-34	
<b>QC Signoff</b>		<b>Dwg Stamp Date</b> 2/3/2017	
<b>Concrete Quality Assessment</b>			
<b>#Loads Rejected</b>	1	<b>Slump/Spread</b>	2.00
<b># Retested</b>	2	<b>Air Content %</b>	5.67
<b># Observed</b>	8	<b>Concrete Temp</b>	71
<b>Mix ID</b>	D678	<b>Ambient Temp</b>	45
<b>Qty(CY Total)</b>	79.0	<b>Cylinders?</b>	Yes
<b>Remarks</b>		My comments	

  

<b>Pre-Pour Inspection</b>			
<b>Product Description</b> Sound Wall - Post		<b>Piece Number</b> F587	
<b>Project Name</b> Project 56		<b>Quantity</b> 3	
<b>InspectorAssessment</b> OK as-is		<b>Drawing No.</b> D-34	
<b>QC Signoff</b>		<b>Dwg Stamp Date</b> 2/4/2017	
<b>Concrete Quality Assessment</b>			
<b>#Loads Rejected</b>	1	<b>Slump/Spread</b>	2.24
<b># Retested</b>	1	<b>Air Content %</b>	4.70
<b># Observed</b>	8	<b>Concrete Temp</b>	69
<b>Mix ID</b>	D678	<b>Ambient Temp</b>	45
<b>Qty(CY Total)</b>	57.0	<b>Cylinders?</b>	Yes
<b>Remarks</b>		My Commnets	

# Epoxy Dowels/Anchors Inspection

## Reports

Assignment Summary Inspection Check List Epoxy

## Actions

Inspection Date November 26, 2016 Today Clear

Location Map Marker Here Map Clear

Item Inspected 1 Item Inspected 1

Location(s) 1 Location(s) 1

Elevation 1 Elevation 1

Item Inspected 2 Item Inspected 2

Location(s) 2 Location(s) 2

Elevation 2 Elevation 2

## EPOXY QUALITY/DOCUMENTATION • Approved Epoxy Material • Expiration Date

Epoxy Quality/Documentation Acceptable? Serviceable Not Serviceable NA

Epoxy Quality/Documentation Remarks Material supplier has NOT been approved. Material is out of date. Product data have NOT been submitted and reviewed. See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

## CONNECTOR QUALITY/DOCUMENTATION • Per Project Documents • Mill Spec • length • Diameter • Material Type

Connector Quality/Documentation Acceptable? Serviceable Not Serviceable NA

Connector Quality/Documentation Remarks Furnished connectors were NOT from an acceptable source/supplier. Furnished connectors were NOT of the proper size, material, coating, schedule, etc.) Furnished connectors did NOT meet the requirements of the plans and Specs. See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.) Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all connectors.

## HOLE PREPARATION • Diameter • Depth • Cleanliness - Blown Brushed Blown w/ compressed air

Hole Preparation Acceptable? Serviceable Not Serviceable NA

Hole Preparation Remarks Holes are NOT of proper diameter and depth. Holes have not been properly blown brushed and re-blown. See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.) Holes have not been properly blown brushed and re-blown.;

## INSERTION PROCESS • Insertion Method and Rotation • Adequate Epoxy Volume

Insertion Process Acceptable? Serviceable Not Serviceable NA

Insertion Process Remarks Connectors were NOT properly inserted and rotated. Inadequate EPOXY volume used to fill the voids. See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.) Connectors were NOT properly inserted and rotated.; Inadequate EPOXY volume used to fill the voids.;

Schedules/Details/RFI Referenced Schedules/Details/RFI Referenced

Remarks Remarks

Weather Partly Cloudy w/ Wind

Temperature Warm 65 - 80

Inspection Duration (Hours) 8

Code Inspected to AWS AISC IBC PCI

Acceptance Decision Pass Fail Eng. Judge

Inspector Certification Kidd ICC Concrete #8901 Select Clear

Reviewer Certification Chewey WAQTC SRDT #86465 Select Clear

Save Cancel



## Epoxy Special Inspection and Check List

**Report Date:** 3/11/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** AISC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / EPOXY DOWELS/ANCHORS / Insp ChkList Epoxy Dowels/Anchors

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
EPOXY QUALITY/DOCUMENTATION • Approved Epoxy Material • Expiration Date		Report	
CONNECTOR QUALITY/DOCUMENTATION • Per Project Documents • Mill Spec • length • Diameter • Material Type		Report	
HOLE PREPARATION • Diameter • Depth • Cleanliness - Blown Brushed Blown w/ compressed air		Accept	Holes have not been properly blown brushed and re-blown.;
INSERTION PROCESS • Insertion Method and Rotation • Adequate Epoxy Volume		Accept	Connectors were NOT properly inserted and rotated.; Inadequate EPOXY volume used to fill the voids.;

**Weather:** Partly Cloudy w/ Wind

**Temperature:** Warm 65 - 80

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Inspection Duration (Hours):** 8

**Acceptance Decision:** Fail

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Kidd ICC Concrete #8901

**Manager Cert:** Chewey WAQTC SRDT #86465

**System Link:** <http://demo.Vahalo.com/assignments/f2cd39b6-c5bf-45aa-74c3-7bbc3a4a8002>

# Proof-Load Testing Inspection

## Reports

Assignment Summary

Inspection Check List Proof Load Test

## Actions

Inspection Date	March 10, 2017	Today	Clear
Location Map Marker	<div>Here</div> <div>Map</div> <div>Clear</div>		
Contractor	Staker		
Crew Foreman	Joe Blow		
Item Inspected	3rd Floor deck		
Location/Feature Detail	NW Corner		
Segment #	D345		
Activity #	A3450		
Lab #	37556		

## EQUIPMENT • Calibration • Adequate Capacity

Equipment Acceptable?

Accept Report NA

Equipment Remarks

Proof-Test Device failed to produce the required Pressure

Proof-Test Device was NOT properly calibrated

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Proof-Test Device failed to produce the required Pressure; See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.);

## TEST PROCESS • Test Quantity • Test Pattern

Testing Acceptable?

Accept Report NA

Testing Remarks

Failures Exceeded allowable limits.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Weather

Partly Cloudy w/ Wind

Temperature

Mild 50 - 65

Test Duration (Hours)

5

Remarks

My Comments

Acceptance Decision

Pass Fail Eng. Judge

Inspector Certification

Crockett AWS #63457

Select

Clear

Reviewer Certification

Kidd ICC Concrete #6901

Select

Clear

Save

Cancel



## Proof-Load Testing Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 3/10/17

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Segment #:** D345

**Activity#:** A3450

**Lab#:** 37556

**Crew Foreman:** Joe Blow

**Contractor:** Staker

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / PROOF LOAD TESTING / Star-Lab1 InspProofLoad GP 3/10

**Items Inspected:** 3rd Floor deck

**Location:** NW Corner

Area of Concern	Accept Report	Comments
EQUIPMENT • Calibration • Adequate Capacity	Report	Proof-Test Device failed to produce the required Pressure; See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.);
TEST PROCESS • Test Quantity • Test Pattern	Accept	

**Weather:** Partly Cloudy w/ Wind

**Temperature:** Mild 50 - 65

**Inspection Duration (Hours):** 5

**Acceptance Decision:** Fail

**Remarks:** My Comments

**Inspector:**

**Manager:**

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** Kidd ICC Concrete #8901

**System Link:** <http://demo.Vahalo.com/assignments/80c73357-6af9-45ed-feba-4ae32beea9fa>



# Shotcrete Inspection

## Reports

Assignment Summary

Inspection Check List Shotcrete And

Actions

Inspection Date

March 10, 2017

Today

Clear

Location Map Marker

Here

Map

Clear

Contractor

Star Fleet

Crew Foreman

Joe Blow

Item Inspected

Wall D4

Location/Feature Detail

NW Wing

Segment #

D456

Activity #

A4365

Lab #

4876

Weather

Rain

Temperature

Warm 65 - 80

Inspection Duration (Hours)

4

Remarks

My Comments

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

Crockett AWS #63457

Select

Clear

Reviewer Certification

James ICC Masonry #55467

Select

Clear

Save

Cancel

## PRE-PRODUCTION TEST • Proper panel Placement • Coring Compression Test • Nozzelman Grading

Pre-Production Test Acceptable?

Accept

Report

NA

Pre-Production Test Remarks

Coring compression test FAILED

Panel placement was NOT acceptable.

Nozzelman was NOT Qualified.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Coring compression test FAILED;

## PLACEMENT PROCESS • Check Tickets • Rebound Effects • Nozzle Distance, and Velocity

Placement Process Acceptable?

Accept

Report

NA

Placement Process Remarks

Mix Tickets were NOT provided.

Nozzle distance and velocity were NOT acceptable.

Shotcrete rebound effects were NOT acceptable.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

## TEST RESULTS • Temperature • Slump • WC Ratio • Coring for Strength Tests

Test Results Acceptable?

Accept

Report

NA

Test Results Remarks

Temperatures were outside of acceptable limits.

Coring compression test FAILED

Slump measurements were outside of acceptable limits.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

WC ratio was outside of specified limits.

Coring compression test FAILED;

Weather

Rain

Temperature

Warm 65 - 80

Inspection Duration (Hours)

4

Remarks

My Comments



## Shotcrete Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Crew Foreman:** Joe Blow

**Contractor:** Star Fleet

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / SHOTCRETE TEST PANEL / Star-Lab1 InspShotcrete GP 3/10

**Items Inspected:** Wall D4

**Location:** NW Wing

**Inspection Date:** 3/10/17

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Segment #:** D456

**Activity#:** A4365

**Lab#:** 4876

Area of Concern	Accept Report	Comments
PRE-PRODUCTION TEST • Proper panel Placement • Coring Compression Test • Nozzleman Grading	Report	Coring compression test FAILED;
PLACEMENT PROCESS • Check Tickets • Rebound Effects • Nozzle Distance, and Velocity	Accept	
TEST RESULTS • Temperature • Slump • WC Ratio • Coring for Strength Tests	Report	Coring compression test FAILED;

**Weather:** Rain

**Temperature:** Warm 65 - 80

**Inspection Duration (Hours):** 4

**Acceptance Decision:** Fail

**Remarks:** My Commnets

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** James ICC Masonry #85467

**System Link:** <http://demo.Vahalo.com/assignments/fc10a47b-0536-43fd-9136-e59707997a5f>

# Masonry Inspection

## Reports

Assignment Summary

Inspection Check List - Masonry

Actions

Inspection Date

November 26, 2016

Today

Clear

Location Map Marker

Here

Map

Clear

Mix Design

West Pt AA(AE) 4000-C3361N59

Select

Clear

Acceptance Criteria

AS465 Grout

Select

Clear

Requirement Summary

Item Inspected 1

Item Inspected 1

Location(s) 1

Location(s) 1

Elevation 1

Elevation 1

Item Inspected 2

Item Inspected 2

Location(s) 2

Location(s) 2

Elevation 2

Elevation 2

## BRICK QUALITY/DOCUMENTATION • Mfg. Spec • Delivery • Storage • Handling

Brick Quality/Documentation Acceptable?

Accept

Report

NA

Brick Quality/Documentation Remarks

Some submittals and Certification of Spec. compliance are NOT on file for all Brick.

Bricks were damage or chipped during delivery or on-site storage.

Brick did NOT meet design and spec requirements.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Some submittals and Certification of Spec. compliance are NOT on file for all Brick;

## GROUT QUALITY/DOCUMENTATION • Mix Design • Temperature and Slump tested • Prisms if Needed

Grout Quality/Documentation Acceptable?

Accept

Report

NA

Grout Quality/Documentation Remarks

Grout mix was NOT approved.

Grout Temperature exceeded Prescribed limits.

Source/Supplier was not approved.

Grout Slump measurements exceeded prescribed limits.

Inadequate samples taken for strength tests.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Source/Supplier was not approved;

## APPLICATION PROCESS • Water added only at beginning of truck • Proper Consolidation

Application Process Acceptable?

Accept

Report

NA

Application Process Remarks

Water was added to the mix excessively or at the wrong time.

Proper consolidation was not achieved.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Water was added to the mix excessively or at the wrong time.;

## TESTING • Samples taken and Prizms Prepared • IBC requires 5 test prior to production and 3 tests/ 5000SF of Wall/ block size

Testing Acceptable?

Accept

Report

NA

Testing Remarks

Water was added to the mix excessively or at the wrong time.

Proper consolidation was not achieved.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

CMU Condition

CMU Condition

CMU Grade

CMU Grade

CMU Size

CMU Size

Schedules/Details/RFI Referenced

Schedules/Details/RFI Referenced

Remarks

Remarks

Weather

Partly Cloudy w/ Wind

Temperature

Cold 32 - 45

Inspection Duration (Hours)

8

Code Inspected to

AWS

AISC

IBC

PCI

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

Crockett AWS #63457

Select

Clear

Reviewer Certification

Micky WAQTC CTT #93456

Select

Clear

Save

Cancel



## Masonry Special Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** PCI

**Mix Design:** West Pt AA(AE) 4000-C3361N59

**Accept Criteria:** AS465 Grout

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / MASONRY / Insp ChkList Masonry

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
BRICK QUALITY/DOCUMENTATION • Mfg. Spec • Delivery • Storage • Handling		Report	Some submittals and Certification of Spec. compliance are NOT on file for all Brick.;
GROUT QUALITY/DOCUMENTATION • Mix Design • Temperature and Slump tested • Prisms if Needed		Report	Source/Supplier was not approved.;
APPLICATION PROCESS • Water added only at beginning of truck • Proper Consolidation		Report	Water was added to the mix excessively or at the wrong time.;

**Weather:** Partly Cloudy w/ Wind

**Inspection Duration (Hrs):** 8

**Temperature:** Cold 32 - 45

**Acceptance Decision:** Pass

**CMU Condition / Grade:** CMU Condition

**CMU Grade**

**CMU Size:** CMU Size

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** Micky WAQTC CTT #93456

**System Link:** <http://demo.Vahalo.com/assignments/87d13553-2a7f-4e60-3798-2c6d130197e6>

# Grout Compressive Strength

Reports

Assignment Summary

Masonry Grout Strength Report

Actions

Sample Barcode

12

Grout Supplier

Bedrock Gravel and Stone

Select

Clear

Cast Date

February 16, 2017

Today

Clear

Cast By

Joe Blow

Location Detail

Over there

Mix Design

DY2543

Slump

2.5

Grout Temperature

76

Specified PSI

7000

Specimen Type

Grout 2X2 Cubes - 28,28,28

Select

Clear

Create Grout Breaks

Save

Cancel



Star Fleet Construction

5041 Pasadena Hwy #701 Pasadena, Texas  
77505

## Compressive Strength of Masonry Grout

ASTM: C1019

**Report Date:** 3/10/2017

**Date Cast:** 2/16/17

**Mix Design:** DY2543

**Sample Barcode:** 12

**Cast By:** Joe Blow

**CMT Project No:** Star-Lab1

**Client Job No:** 45678

**Supplier:** Bedrock Gravel and Stone

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / MASONRY / Star-Lab1 GroutStrngth GP 2/16

**Location:** Over there

**Speciman Type:** Grout 2X2 Cubes - 28,28,28

**Slump:** 2.5

**Specified PSI:** 7000

**Temperature:** 76

Break Date	Age	Width In.	Length In.	Area Sq. In.	Total Load Lbs.	Strength PSI
3/18/17	28	2.00	2.00	4.00		0
3/18/17	28	2.00	2.00	4.00		0
		0	0	0.00		0

**Tested By:** Greg Putnam

**Manager:** Greg Putnam

**System Link:** <http://demo.Vahalo.com/assignments/92bb4a78-8bab-4e9f-0a83-69fcd53ecb98>

# Mortar Compressive Strength

Reports

Assignment Summary

Masonry Mortar Strength Report

Actions

Sample Barcode

90

Mortar Supplier

Acme Supply

Select

Clear

Cast Date

February 18, 2017

Today

Clear

Cast By

Joe Blow

Location Detail

North yard

Specified PSI

7000

Mortar Type

M

S

N

O

Specimen Type

Mortar 2X4 Cyls - 28,28,28

Select

Clear

Create Mortar Breaks

Save

Cancel



Star Fleet Construction

5041 Pasadena Hwy #701 Pasadena, Texas  
77505

## Compressive Strength of Masonry Mortar

ASTM: C780

**Report Date:** 3/10/2017

**Date Cast:** 2/18/17

**Mortar Type:** N

**Sample Barcode:** 90

**Cast By:** Joe Blow

**CMT Project No:** Star-Lab1

**Client Job No:** 45678

**Supplier:** Acme Supply

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / MASONRY / KG5467 MortarStrngth GP 2/18

**Location:** North yard

**Speciman Type:** 2in X 4in Cylinders

**Specified PSI:** 7000

Break Date	Age	Diam. In.	Height In.	Area Sq. In.	Total Load Lbs.	Strength PSI
2/25/17	7	2.00	4.00	3.14		0
3/18/17	28	2.00	4.00	3.14		0
3/18/17	28	2.00	4.00	3.14		0
3/18/17	28	2.00	4.00	3.14		0

**Tested By:** Greg Putnam

**Manager:** Greg Putnam

**System Link:** <http://demo.Vahalo.com/assignments/9b824c1c-ccb8-469b-415c-8676c3001f3e>



# Prism Compressive Strength

Reports

Assignment Summary

Masonry Prism Strength Report

Actions

Sample Barcode254

Grout SupplierAcme SupplySelectClear

Masonry SupplierBedrock Gravel and StoneSelectClear

Cast DateFebruary 18, 2017TodayClear

Cast ByJoe Blow

Location DetailOver there >>>>

Mix DesignJ34657

Slump2.5

Temperature78

Specified PSI7000

Masonry/Block TypeCMU

Mortar TypeMSONO

Specimen TypePrism - 28,28,28SelectClear

Create Prism Breaks

SaveCancel



Star Fleet Construction

5041 Pasadena Hwy #701 Pasadena, Texas  
77505

## Compressive Strength of Masonry Prisms

ASTM: C1314

**Report Date:** 3/10/2017

**Date Cast:** 2/18/17

**Mix Design:** J34657

**Sample Barcode:** 254

**Cast By:** Joe Blow

**Mortar Type:** S

**CMT Project No:** Star-Lab1

**Client Job No:** 45678

**Masonry Supplier:** Bedrock Gravel and Stone

**Grout Supplier:** Acme Supply

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / MASONRY / KG5467 PrismStrngth GP 2/18

**Location:** Over there >>>>

**Slump:** 2.5

**Block/Brick Type:** CMU

**Temperature:** 78

**Specified PSI:** 7000

Break Date	Age	Width In.	Length In.	Height In.	Area Sq. In.	H/T	Corr factor	Total Load Lbs.	Strength PSI
3/18/17	28	7.62	7.77	15.73	59.21	2.06	1.00		0
3/18/17	28	7.62	7.77	15.73	59.21	2.06	1.00		0
3/18/17	28	7.62	7.77	15.73	59.21	2.06	1.00		0

**Tested By:**

**Manager:**

**System Link:** <http://demo.Vahalo.com/assignments/734453bb-d7d2-475c-fa36-dc0c9523c44d>

CMU Test Series

Reports

Assignment Summary Masonry CMU Test Series Report

Actions

Sample Barcode12354

Description8X8X16" Split face CMU

Test dateFebruary 24, 2017

Today

Clear

Data Input

Absorption Specimen Dimensions											
Specimen I.D.	Dimensions				Volume (cu. ft.)						
	Length (in.)	Width (in.)	Height (in.)								
A	15.38	7.66	7.64		0.52						
B	15.38	7.66	7.64		0.52						
C	15.5	7.69	7.64		0.52						
Average	15.42	7.68	7.61		0.52						
Absorption Specimen Mass Data Input											
Specimen I.D.	Received		SSD		Immersed		Dry				
	Grams	Pounds	Grams	Pounds	Grams	Pounds	Grams	Pounds			
A	12,661.0	27.91	13,894.0	30.63	6,124.2	13.60	12,527.5	27.62			
B	13,020.0	28.70	13,920.9	30.69	6,205.2	13.68	12,858.9	28.35			
C	13,058.0	28.79	13,988.7	30.84	6,264.5	13.81	12,883.9	28.40			
Average	12,913.0	28.47	13,934.5	30.72	6,198.0	13.66	12,756.8	28.12			
Absorption, Density & Net Area											
Specimen I.D.	Absorption (pcf)		Dry Density (pcf)		Net Area (%)		Moisture Content (%)				
A	10.97	10.61	100.61		52.70		9.77				
B	8.59	8.28	104.00		52.20		15.17				
C	8.93	8.58	104.08		52.47		15.76				
Average	9.50	9.25	102.90		52.46		13.57				
Compressive Strength											
Specimen I.D.	Mass (grams)	Gross Area	Dimensions		Total Load (lbs)	Compressive Strength					
			Length	Width		Gross	Net				
1	15438.1	3.45	15.38	7.66	186,180	1,580	3,010				
2	16728.4	3.65	15.38	7.66	182,340	1,540	2,940				
3	15592.3	3.55	15.50	7.69	169,700	1,420	2,710				
Average	15,588.27	3.55	15.42	7.68		1,520	2,890				
Shrinkage											
Specimen I.D.	Shrinkage (%)										
S1	0.036										
S2	0.048										
S3	0.041										
Average	0.042										

Save

Cancel



## CMU Compression, Absorbtion, Moisture Content & Shrinkage

Report Date: 3/10/2017

Client: Star Fleet Construction

Address: 5041 Pasadena Hwy #701 Pasadena, Texas 77505

Test Date: 2/24/17

CMT Proj. No: Star-Lab1

Client Project No: 45678

SampleBarcode: 12354

Project/Task/Assn: ZMR Laboratory Testing and Inspection / MASONRY / KG5467 CMUTests GP 2/24

Description: 8X8X16" Split face CMU

### Absorption Specimen Dimensions

Specimen I.D.	Dimensions			
	Length (in.)	Width (in.)	Height (in.)	Volume (cu. ft.)
A	15.38	7.66	7.64	0.52
B	15.38	7.68	7.64	0.52
C	15.5	7.69	7.54	0.52
Average	15.42	7.68	7.61	0.52

### Absorption Specimen Mass Data Input

Specimen I.D.	Received		SSD		Immersed		Dry	
	Grams	Pounds	Grams	Pounds	Grams	Pounds	Grams	Pounds
A	12,661.0	27.91	13,894.0	30.63	6,124.2	13.50	12,527.5	27.62
B	13,020.0	28.70	13,920.9	30.69	6,205.2	13.68	12,858.9	28.35
C	13,058.0	28.79	13,988.7	30.84	6,264.5	13.81	12,883.9	28.40
Average	12,913.0	28.47	13,934.5	30.72	6,198.0	13.66	12,756.8	28.12

### Absorption, Density & Net Area

Specimen I.D.	Absorption (pcf) (%)		Dry Density (pcf)	Net Area (%)	Moisture Content (%)
A	10.97	10.91	100.61	52.70	9.77
B	8.59	8.26	104.00	52.20	15.17
C	8.93	8.58	104.08	52.47	15.76
Average	9.50	9.25	102.90	52.46	13.57

### Compressive Strength

Specimen I.D.	Mass (grams)	Gross Area	Dimensions		Total Load (lbs)	Strength (psi)	
			Length	Width		Gross	Net
1	15438.1	3.45	15.38	7.66	186,180	1,580	3,010
2	15728.4	3.65	15.38	7.68	182,340	1,540	2,940
3	15592.3	3.56	15.50	7.69	169,700	1,420	2,710
Average	15,586.3	3.55	15.42	7.68		1,520	2,890

### Shrinkage

Specimen I.D.	Shrinkage (%)
S1	0.036
S2	0.048
S3	0.041
Average	0.042

Technician: Greg Putnam

Manager: Greg Putnam

System Link: <http://demo.Vahalo.com/assignments/918dc34b-6431-4342-1372-dc8e81cbe8c9>

# Steel/WeldInspection

## Reports

Assignment Summary Inspection Check list - Steel/Weld

## Actions

Inspection Date	November 26, 2016	Today	Clear
Location Map Marker	Here Map Clear		
Item Inspected 1	Item 1		
Location(s) 1	Location(s) 1		
Elevation 1	Elevation 1		
Item Inspected 2	Item Inspected 2		
Location(s) 2	Location(s) 2		
Elevation 2	Elevation 2		

## STEEL QUALITY/DOCUMENTATION • Verify Mfg. Mill Cert • Verify WPS • Welder Qualification

Steel Quality/Documentation Acceptable?	Accept	Report	NA
Steel Quality/Documentation Remarks	Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Steel Material. Steel was NOT of the proper size, material, coating, schedule, etc.) WPS - was NOT on file Welder qualification could NOT be determined for this procedure See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Steel Material;			

## WELDING ROD QUALITY/DOCUMENTATION • Verify Electrode per plan • Verify electrode storage • Verify Required Code

Welding Rod Quality/Documentation Acceptable?	Accept	Report	NA
Welding Rod Quality/Documentation Remarks	Mfg. Data sheets were NOT on file for all welding Rod and Wire. Proper storage was NOT provided for all rod and wire Rod and wire were NOT of the proper size, material, coating, schedule, etc.) See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.) Mfg. Data sheets were NOT on file for all welding Rod and Wire.;		

## VISUAL INSPECTION • Weld Size • Length • Quality • Stud Count • Seam Laps Preheat Temperature • Continuous for multi-pass fillet welds, groove welds and reinforcing steel

Visual Inspection Acceptable?	Accept	Report	NA
Visual Inspection Remarks	Welds were NOT of the proper length, size and quality See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.) Welds were NOT of the proper length, size and quality;		

## NDE • Other NDE Performed if required.

NDE Acceptable?	Accept	Report	NA
NDT Required	AE - AUT - Automated Ultrasonic Hardness MT - Magnetic Particle PMI - Positive Material PNEU	PT - Liquid Penetration RT - Radiographic UT - Ultrasonic UTSW - Ultrasonic Shear Wave VT - Visual Other	
AUT - Automated Ultrasonic; MT - Magnetic Particle; UTSW - Ultrasonic Shear Wave; RT - Radiographic;			

Welder Certificates Current?	Yes	No	NA
WPS	F34joi		
Schedules/Details/RFI Referenced	My schedules		
Remarks	Remarks		
Weather	Partly Cloudy		
Temperature	Warm 65 - 80		
Inspection Duration (Hours)	7		

Code Inspected to	AWS	AISC	IBC	PCI
Acceptance Decision	Pass	Fail	Eng. Judge	
Inspector Certification	Crockett AWS #63457	Select	Clear	
Reviewer Certification	Micky WAQTC CTT #93456	Select	Clear	
Save Cancel				



## Steel/Welding Special Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** IBC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / STRUCTURAL STEEL / Insp ChkList Steel/Weld

	Item Inspected	Location(s)	Elevation
1	Item 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
STEEL QUALITY/DOCUMENTATION • Verify Mfg. Mill Cert • Verify WPS • Welder Qualification		Report	Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Steel Material.;
WELDING ROD QUALITY/DOCUMENTATION • Verify Electrode per plan • Verify electrode storage • Verify Required Code		Report	Mfg. Data sheets were NOT on file for all welding Rod and Wire.;
VISUAL INSPECTION • Weld Size • Length • Quality • Stud Count • Seam Laps Preheat Temperature • Continuous for multi-pass fillet welds, groove welds and reinforcing steel		Report	Welds were NOT of the proper length, size and quality;
NDE • Other NDE Performed if required.		Report	AUT - Automated Ultrasonic; MT - Magnetic Particle; UTSW - Ultrasonic Shear Wave; RT - Radiographic;

**Weather:** Partly Cloudy

**Temperature:** Warm 65 - 80

**WPS:** F34joii

**Schedules/Details/RFI Referenced:** My schedules

**Inspection Duration (Hours):** 7

**Acceptance Decision:** Fail

**Welder Certificates Current?:** No

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** Micky WAQTC CTT #93456

**System Link:** <http://demo.Vahalo.com/assignments/db327282-7064-4782-350f-735d3f5da79f>

## High Strength Bolt Inspection

### Reports

Assignment Summary

Inspection Check List - High Strength

### Actions

Inspection Date	November 26, 2016	Today	Clear
Location Map Marker	Here Map Clear		
Item Inspected 1	Item Inspected 1		
Location(s) 1	Location(s) 1		
Elevation 1	Elevation 1		
Item Inspected 2	Item Inspected 2		
Location(s) 2	Location(s) 2		
Elevation 2	Elevation 2		

Code Inspected to

AWS

AISC

IBC

PCI

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

Chewey WAQTC SRDT #86465

Select

Clear

Reviewer Certification

James ICC Masonry #85467

Select

Clear

Save

Cancel

### BOLT AND WSHER QUALITY/DOCUMENTATION • Verify Mfg. Mill Cert • Skidmore Tested • Proper Length, Diameter

Bolt And Washer Quality/Documentation Acceptable?

Accept

Report

NA

Bolt And Washer Quality/Documentation Remarks

Furnished Bolts And Washers were NOT from an acceptable source/supplier.

Furnished Bolts And Washers were NOT of the proper size, material, coating, schedule, etc.)

Furnished Bolts And Washers did NOT meet the requirements of the plans and Specs.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Supplier Certification of Spec. compliance and Mill Spec. were NOT on file for all Bolts And Washers.

Furnished Bolts And Washers were NOT from an acceptable source/supplier.;

### TENSIONING PROCESS • All Faying Surfaces in Contact • Adequate Equipment • Tested using - Turn of the Nut, DTI, or TIC Tensioning Procedures • SC or NS • IBC – Min 2 bolts/connection, Min 10% of all bolts in Slip critical connection

Tensioning Process Acceptable?

Accept

Report

NA

Tensioning Process Remarks

All Faying Surfaces were NOT in properly Contact

Tensioning was performed using Unacceptable equipment.

Testing using - Turn of the Nut, DTI, or TIC Tensioning Procedures yielded failing results.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

All Faying Surfaces were NOT in properly Contact;

Schedules/Details/RFI Referenced

Schedules/Details/RFI Referenced

Remarks

Remarks

Weather

Partly Cloudy

Temperature

Very Hot 95 - 100

Inspection Duration (Hours)

4



## High Strength Bolt Special Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** AISC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / STRUCTURAL STEEL / Insp ChkList High Strength Bolt

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
BOLT AND WSHER QUALITY/DOCUMENTATION • Verify Mfg. Mill Cert • Skidmore Tested • Proper Length, Diameter		Report	Furnished Bolts And Washers were NOT from an acceptable source/supplier.;
TENSIONING PROCESS • All Faying Surfaces in Contact • Adequate Equipment• Tested using - Turn of the Nut, DTI, or TIC Tensioning Procedures • SC or NS • IBC – Min 2 bolts/connection, Min 10% of all bolts in Slip critical connection		Report	All Faying Surfaces were NOT in properly Contact;

**Weather:** Partly Cloudy

**Inspection Duration (Hours):** 4

**Temperature:** Very Hot 95 - 100

**Acceptance Decision:** Fail

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Chewey WAQTC SRDT #86465

**Manager Cert:** James ICC Masonry #85467

**System Link:** <http://demo.Vahalo.com/assignments/def3bf4c-d80c-4f85-ca8e-d48902f503c4>



# Fire Proofing Inspection

## Reports

Assignment Summary      Inspection Check List - FireProofing

## Actions

Inspection Date: November 26, 2016      Today      Clear

Location Map Marker:      Here      Map      Clear

Item Inspected 1: Item Inspected 1      [icon]

Location(s) 1: Location(s) 1

Elevation 1: Elevation 1

Item Inspected 2: Item Inspected 2

Location(s) 2: Location(s) 2

Elevation 2: Elevation 2

MATERIAL QUALITY/DOCUMENTATION • Approved Submittals • Mfg. Cert • High, Medium or Low Density

Material Quality/Documentation Acceptable?      Accept      Report      NA

Material Quality/Documentation Remarks:      Fireproofing material has NOT been approved.      Samples have NOT been submitted and tested.      Product data have NOT been submitted and reviewed.      See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

o,qiwhef/kmDFK\we'kw welknwfwke Product data have NOT been submitted and reviewed.;

## APPLICATION PROCESS • Sub straight Clean, Free of Oil and Rust • Appearance and uniformity • Proper Equipment

Application Acceptable?      Accept      Report      NA

Application Remarks:      Sub-straight was NOT properly cleaned and free from oil and rust.      Fireproofing was applied using Unacceptable equipment.      Fireproofing was NOT applied with proper appearance and uniformity.      See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

## TESTING • Adhesion/Cohesion Strength • Density Testing • 3 Tests from Primary, Secondary, Deck • Thickness Testing Done

Testing Acceptable?      Accept      Report      NA

Testing Remarks:      Samples have NOT been Density tested.      Samples have NOT been submitted and tested for Bond Strength.      See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Samples have NOT been Density tested.;

Schedules/Details/RFI Referenced: Schedules/Details/RFI Referenced

Remarks: Remarks

Weather: Rain

Temperature: Warm 65 - 80

Inspection Duration (Hours): 4

Code Inspected to:      AWS      AISC      IBC      PCI

Acceptance Decision:      Pass      Fail      Eng. Judge

Inspector Certification: Crockett AWS #63457      Select      Clear

Reviewer Certification: Kidd ICC Concrete #8901      Select      Clear

Save      Cancel



## Fire Proofing Special Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** IBC

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / FIREPROOFING / Insp ChkList FireProofing

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Location(s) 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
MATERIAL QUALITY/DOCUMENTATION • Approved Submittals • Mfg. Cert • High, Medium or Low Density		Report	o;qiwhej'rkmDFKNwe'kw welknwfwke Product data have NOT been submitted and reviewed.;
APPLICATION PROCESS • Sub straight Clean, Free of Oil and Rust • Appearance and uniformity • Proper Equipment		NA	
TESTING • Adhesion/Cohesion Strength • Density Testing • 3 Tests from Primary, Secondary, Deck • Thickness Testing Done		Accept	Samples have NOT been Density tested.;

**Weather:** Rain

**Temperature:** Warm 65 - 80

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Inspection Duration (Hours):** 4

**Acceptance Decision:** Pass

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** Kidd ICC Concrete #8901

**System Link:** <http://demo.Vahalo.com/assignments/ddd9fa35-98cc-492e-90ac-fc140633cfc1>

# Fire Proofing Density Test

Reports

Assignment Summary

Fireproofing Thickness Test Report

Actions

Inspection Date

December 07, 2016

TodayClear

Weather

Partly Cloudy

Temperature

Cool 45 - 50

Bldg/Structure Name

Building 2

Report No

4

Measurement Procedure

Member	ASTM E605	UBC43-8/IBC
Columns	2 sets of 12	1 set of 6
Beams	2 sets of 9	1 set of 5
Decking/Walls	1 set of 10	1 set of 5

Maximum Recordable Thickness: Specified thickness + 1/4 inch  
Minimum Acceptable thickness: For SFRM specified to be 1 in or less, 75% of specification. For SFRM specified greater than 1", no less than 1/4" below specification.

1/16=0.0625 2/16=0.125 3/16=0.1875 4/16=0.25 5/16=0.3125 6/16=0.375  
7/16=0.4375 8/16=0.5 9/16=0.5625 10/16=0.625 11/16=0.6875 12/16=0.75  
13/16=0.8125 14/16=0.875 15/16=0.9375

Inspector Certification

James ICC Masonry #85467

SelectClear

Save

Cancel

## Fire Proofing Test Item

Actions

Measurement Procedure

Member	ASTM E605	UBC43-8/IBC
Columns	2 sets of 12	1 set of 6
Beams	2 sets of 9	1 set of 5
Decking/Walls	1 set of 10	1 set of 5

Maximum Recordable Thickness: Specified thickness + 1/4 inch  
Minimum Acceptable thickness: For SFRM specified to be 1 in or less, 75% of specification. For SFRM specified greater than 1", no less than 1/4" below specification.

1/16=0.0625 2/16=0.125 3/16=0.1875 4/16=0.25 5/16=0.3125 6/16=0.375  
7/16=0.4375 8/16=0.5 9/16=0.5625 10/16=0.625 11/16=0.6875 12/16=0.75  
13/16=0.8125 14/16=0.875 15/16=0.9375

Member Type

Column

Beam

Deck

Floor/Level

2

Member Location

Here

Measurement 1

1

Measurement 2

2

Measurement 3

3

Measurement 4

4

Measurement 5

Measurement 6

Measurement 7

Measurement 8

Measurement 9

Measurement 10

Measurement 11

Measurement 12

Spec Thickness

1.25

Accept/Reject

Accept

Reject

NA

Save

Cancel



## Fireproofing Thickness

ASTM:E605/UBC/43-8/IBC

Star Fleet Construction

5041 Pasadena Hwy #701 Pasadena, Texas 77505

Report Date: 3/10/2017

Test Date: 12/7/16

Rerport Number: 4

CMT Project No: Star-Lab1

Client Job No: 45678

Project Name: ZMR Laboratory Testing and Inspection

Struct/Building: Building 2

Weather: Partly Cloudy

Temp: Cool 45 - 50

Test #	Member Type	Level	Member Location	Measurement Location												Avg	Spec	Accept Reject
				1	2	3	4	5	6	7	8	9	10	11	12			
1	Beam	2	Here	1	2	3	4									2.5	1.25	Accept
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		

Technician: Greg Putnam

Manager: Greg Putnam

System Link: <http://demo.Vahalo.com/assignments/d9f068dc-2acd-4df2-c16b-0b8650225e0b>

# Structural Wood Inspection

## Reports

Assignment Summary

Inspection Check List Wood Framing

## Actions

Inspection Date

March 10, 2017

Today

Clear

Location Map Marker

Here

Map

Clear

Contractor

Star Fleet

Crew Foreman

Joe Blow

Weather

Overcast w/ Wind

Temperature

Warm 65 - 80

Item Inspected

Several

Location/Feature Detail

NW Corner

Segment #

D45

Activity #

A3760

Lab #

37654

## LUMBER MATERIALS • Size • Grade • Moisture Content •Protection During Storage

Lumber Materials

Acceptable?

Accept

Report

NA

Lumber Materials Remarks

Materials did NOT meet proper moisture content.

Materials have NOT been properly stored.

Materials are NOT of proper size or grade.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Materials did NOT meet proper moisture content.;

## HARDWARE • Nail Size and Type • Hold Down Size and Type • Seismic Strap Size and Type • Epoxied Hold-down Bolts

Hardware Acceptable?

Accept

Report

NA

Hardware Remarks

Nails were NOT the proper Size or Type.

Seismic straps were NOT the proper Size or Type.

Hold-downs were NOT the proper Size or Type.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Hold-downs were NOT the proper Size or Type.;

Remarks

My Comments

Inspection Duration (Hours)

4

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

Begins ACI CTT #6789

Select

Clear

Reviewer Certification

Kidd ICC Concrete #8901

Select

Clear

Save

Cancel



## Wood Framing Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 3/10/17

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Segment #:** D45

**Activity#:** A3760

**Lab#:** 37654

**Crew Foreman:** Joe Blow

**Contractor:** Star Fleet

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / WOOD FRAMING INSPECTION / Star-Lab1 InspWoodFram GP 3/10

**Items Inspected:** Several

**Location:** NW Corner

Area of Concern	Accept Report	Comments
LUMBER MATERIALS • Size • Grade • Moisture Content •Protection During Storage	Report	Materials did NOT meet proper moisture content.;
HARDWARE • Nail Size and Type • Hold Down Size and Type • Seismic Strap Size and Type • Epoxied Hold-down Bolts	Report	Hold-downs were NOT the proper Size or Type.;

**Weather:** Overcast w/ Wind

**Temperature:** Warm 65 - 80

**Inspection Duration (Hours):** 4

**Acceptance Decision:** Fail

**Remarks:** My Comments

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Bagins ACI CTT #6789

**Manager Cert:** Kidd ICC Concrete #8901

**System Link:** <http://demo.Vahalo.com/assignments/b4acc3a8-8118-448d-0425-900504ae3da7>

# Water Proofing Inspection

## Reports

Assignment Summary

Inspection Check List - Water Proof

## Actions

Inspection Date

November 26, 2016

Today

Clear

Location Map Marker

Here

Map

Clear

Item Inspected 1

Item Inspected 1

Location(s) 1

Item Inspected 1

Elevation 1

Elevation 1

Item Inspected 2

Item Inspected 2

Location(s) 2

Location(s) 2

Elevation 2

Elevation 2

## MATERIAL QUALITY/DOCUMENTATION • Approved Submittals • Mfg. Certification

Material Quality/Documentation Acceptable?

Accept

Report

NA

Material Quality/Documentation Remarks

Material supplier has NOT been approved.

Material is out of date.

Product data have NOT been submitted and reviewed.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Material supplier has NOT been approved.;

## PLACEMENT PROCESS • Substrate - Clean, Dry, Oil Free • Verify Vertical and Horizontal Membrane Joints • Sealing of Attachments

Placement Process Acceptable?

Accept

Report

NA

Placement Process Remarks

Sub-straight was NOT properly cleaned and free from oil and rust.

Waterproofing was applied using UNacceptable equipment.

Waterproofing was NOT applied with proper thickness and uniformity.

See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)

Sub-straight was NOT properly cleaned and free from oil and rust.;

Schedules/Details/RFI Referenced

Schedules/Details/RFI Referenced

Remarks

Remarks

Weather

Partly Cloudy w/ Wind

Temperature

Mild 50 - 65

Inspection Duration (Hours)

5

Code Inspected to

AWS

AISC

IBC

PCI

Acceptance Decision

Pass

Fail

Eng. Judge

Inspector Certification

Bagins ACI CTT #6789

Select

Clear

Reviewer Certification

Crockett AWS #63457

Select

Clear

Save

Cancel



## WaterProofing Special Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 11/26/16

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Code Inspected to:** AWS

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / WATERPROOFING / Insp Water Proofing

	Item Inspected	Location(s)	Elevation
1	Item Inspected 1	Item Inspected 1	Elevation 1
2	Item Inspected 2	Location(s) 2	Elevation 2
Area of Concern		Accept Report	Comments
MATERIAL QUALITY/DOCUMENTATION • Approved Submittals • Mfg. Certification		Report	Material supplier has NOT been approved.;
PLACEMENT PROCESS • Substrate - Clean, Dry, Oil Free • Verify Vertical and Horizontal Membrane Joints • Sealing of Attachments		Report	Sub-straight was NOT properly cleaned and free from oil and rust.;

**Weather:** Partly Cloudy w/ Wind

**Inspection Duration (Hours):** 5

**Temperature:** Mild 50 - 65

**Acceptance Decision:** Fail

**Schedules/Details/RFI Referenced:** Schedules/Details/RFI Referenced

**Remarks:** Remarks

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Bagins ACI CTT #6789

**Manager Cert:** Crockett AWS #63457

**System Link:** <http://demo.Vahalo.com/assignments/4518490e-188e-4ef2-6021-925a3e66fa5f>



# Flatness Testing Inspection

## Reports

Assignment Summary

Inspection Check List Flatness

## Actions

Inspection Date	March 10, 2017	Today	Clear
Location Map Marker	Here	Map	Clear
Contractor	Star Fleet		
Crew Foreman	Joe Blow		
Weather	Partly Cloudy w/ Wind		
Temperature	Cool 45 - 50		
Item Inspected	These		
Location/Feature Detail	Over there		
Segment #	E6		
Activity #	A3450		
Lab #	376554		

## EQUIPMENT • Tech Cert • Profiler Calibration

Equipment Acceptable?	Accept	Report	NA
Equipment Remarks	Flatness Testing Technical was NOT properly Certified		
	Flatness Testing was done using Unacceptable equipment.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.);		

## TEST PROCESS • Placement • Frequency • Pattern

Test Process Acceptable?	Accept	Report	NA
Test Process Remarks	Flatness did NOT meet required F values.		
	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.)		
Remarks	My Comments		
Inspection Duration (Hours)	8		
Acceptance Decision	Pass	Fail	Eng. Judge
Inspector Certification	Crockett AWS #53457	Select	Clear
Reviewer Certification	Micky WAQTC CTT #93456	Select	Clear
	Save	Cancel	



## Flatness Testing Inspection and Check List

**Report Date:** 3/10/2017

**Client:** Star Fleet Construction

**Address:** 5041 Pasadena Hwy #701 Pasadena, Texas 77505

**Inspection Date:** 3/10/17

**CMT Proj. No:** Star-Lab1

**Client Project No:** 45678

**Segment #:** E6

**Activity#:** A3450

**Lab#:** 376554

**Crew Foreman:** Joe Blow

**Contractor:** Star Fleet

**Project/Task/Assn:** ZMR Laboratory Testing and Inspection / FLATNESS TESTING / Star-Lab1 InspFlatness GP 3/10

**Items Inspected:** These

**Location:** Over there

Area of Concern	Accept Report	Comments
EQUIPMENT • Tech Cert • Profiler Calibration	Report	See attached Issue Resolution (RD, NCR, RFI, FDC, CO etc.);
TEST PROCESS • Placement • Frequency • Pattern	Accept	

**Weather:** Partly Cloudy w/ Wind

**Temperature:** Cool 45 - 50

**Inspection Duration (Hours):** 8

**Acceptance Decision:** Fail

**Remarks:** My Comments

**Inspector:** Greg Putnam

**Manager:** Greg Putnam

**Inspector Cert:** Crockett AWS #63457

**Manager Cert:** Micky WAQTC CTT #93456

**System Link:** <http://demo.Vahalo.com/assignments/5c8a72cd-7e91-4c28-82b8-71baf2814f81>