



CALCULATION COVER SHEET

CALC. NO. RTL-001-CALC-ST-0201

REV. 1

PAGE NO. 1 of 22

Title: RT-100 Lifting Structural Evaluation

Client: Robatel Technologies, LLC

Project: RTL-001

Item	Cover Sheet Items	Yes	No
1	Does this calculation contain any open assumptions that require confirmation? (If YES , Identify the assumptions) _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Does this calculation serve as an "Alternate Calculation"? (If YES , Identify the design verified calculation.) Design Verified Calculation No. _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	Does this calculation Supersede an existing Calculation? (If YES , identify the superseded calculation.) Superseded Calculation No. _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Scope of Revision:

Updating vendor drawings, updating associated calculations to reflect these changes.

Revision Impact on Results:

N/A

Study Calculation

Final Calculation

Safety-Related

Non-Safety Related

(Print Name and Sign)

Originator: John Staples

Date: 8 Oct 2012

Design Verifier: Amy Varallo

Date: 10/08/12

Approver: Curt Lindner

Date: 10/8/12



**CALCULATION
REVISION STATUS SHEET**

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CALCULATION REVISION STATUS

<u>REVISION</u>	<u>DATE</u>	<u>DESCRIPTION</u>
0	9-12-2012	Initial Issue
1		Update vendor drawings, update associated calculations

PAGE REVISION STATUS

<u>PAGE NO.</u>	<u>REVISION</u>	<u>PAGE NO.</u>	<u>REVISION</u>
1-4	1		
5-6	0		
7, 11-22	1		

APPENDIX REVISION STATUS

<u>APPENDIX NO.</u>	<u>PAGE NO.</u>	<u>REVISION NO.</u>	<u>APPENDIX NO.</u>	<u>PAGE NO.</u>	<u>REVISION NO.</u>
1	1-2	0			
2	1-2	0			



**CALCULATION
DESIGN VERIFICATION
PLAN AND SUMMARY SHEET**

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Calculation Design Verification Plan:

Calculation to be reviewed for correctness of inputs, design criteria, analytical methods, acceptance criteria and numerical accuracy.

Stated objectives and conclusions shall be confirmed to be reasonable and valid.

Any assumptions shall be clearly documented and confirmed to be appropriate and verified based on sound engineering principles and practices.

(Print Name and Sign for Approval – mark "N/A" if not required)

Approver: Curt Lindner

Date:

10/8/12

Calculation Design Verification Summary:

Calculation has been designated as **Safety Related** as noted on the cover sheet.

Calculation has been verified to be mathematically correct and performed in accordance with appropriate design inputs, assumptions, analytical methods, design criteria and acceptance criteria.

The conclusions developed in the calculation are reasonable, valid and consistent with the purpose and scope.

Assumptions are appropriate and correct.

Based On The Above Summary, The Calculation Is Determined To Be Acceptable.

(Print Name and Sign)

Design Verifier: Amy Varallo

Date:

10/8/12

Others:

Date:



**CALCULATION
DESIGN VERIFICATION
CHECKLIST**

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Item	CHECKLIST ITEMS	Yes	No	N/A
1	Design Inputs - Were the design inputs correctly selected, referenced (latest revision), consistent with the design basis, and incorporated in the calculation?	X		
2	Assumptions - Were the assumptions reasonable and adequately described, justified and/or verified, and documented?	X		
3	Quality Assurance - Were the appropriate QA classification and requirements assigned to the calculation?	X		
4	Codes, Standards, and Regulatory Requirements - Were the applicable codes, standards, and regulatory requirements, including issue and addenda, properly identified and their requirements satisfied?	X		
5	Construction and Operating Experience - Have applicable construction and operating experience been considered?	X		
6	Interfaces - Have the design-interface requirements been satisfied, including interactions with other calculations?	X		
7	Methods - Was the calculation methodology appropriate and properly applied to satisfy the calculation objective?	X		
8	Design Outputs - Was the conclusion of the calculation clearly stated, did it correspond directly with the objectives, and are the results reasonable compared to the inputs?	X		
9	Radiation Exposure - Has the calculation properly considered radiation exposure to the public and plant personnel?			X
10	Acceptance Criteria - Are the acceptance criteria incorporated in the calculation sufficient to allow verification that the design requirements have been satisfactorily accomplished?	X		
11	Computer Software - Is a computer program or software used, and if so, are the requirements of CSP 3.02 met?			X

COMMENTS

(Print Name and Sign)

Design Verifier: Amy Varallo

Date: 10/8/12

Others:

Date: