

SAUDI ARAMCO INSPECTION CHECKLIST		SAIC NUMBER	DATE APPROVED	QR NUMBER
Surface Preparation, EPDM, and Insulation Inspection		SAIC-M-1014	18-May-05	CIVIL-
PROJECT TITLE		WBS / BI / JO NUMBER	CONTRACTOR / SUBCONTRACTOR	

EQUIPMENT ID NUMBER(S)	EQUIPMENT DESCRIPTION	EOPT CODE	SYSTEM ID.	PLANT NO.
LAYOUT DRAWING NUMBER	REV. NO.	PURCHASE ORDER NUMBER		EC / PMCC / MCC NO.
SCHEDULED INSPECTION DATE & TIME	ACTUAL INSPECTION DATE & TIME	QUANTITY INSP.	MH's SPENT	TRAVEL TIME
SAUDI ARAMCO USE ONLY				
SAUDI ARAMCO TIP NUMBER	SAUDI ARAMCO ACTIVITY NUMBER			WORK PERMIT REQUIRED?
SAUDI ARAMCO INSPECTION LEVEL	CONTRACTOR INSPECTION LEVEL			

ITEM No.	ACCEPTANCE CRITERIA	REFERENCE	PASS	FAIL	N/A	RE-INSP DATE
A	<u>Surface Preparation Inspection</u>					
A1	Inverted, loose laid, ballasted single ply roofs; fully adhered single ply membrane roofs and loose laid, ballasted single ply roof systems shall have a slope of less than ½ inch (12.7 mm) vertical to 12 inches (305 mm) horizontal.	SAES-M-100 Sec.1501.1				
A2	Roofs with metal coverings shall have a minimum roof slope of 1 unit vertical in 12 units horizontal. Standing seam metal roof systems shall have a minimum roof slope of 1 unit vertical in 25 units horizontal.	SAES-M-100 Sec.1507.8				
B	<u>EPDM Installation Inspection</u>					
B1	Installation of fully adhered EPDM sheets over the entire area to a minimum thickness of 1.52mm.	SAES-M-100 Sec.1501.1				
C	<u>Lightweight Foam Concrete Installation Inspection</u>					
C1	Lightweight Foam Concrete roof screeds shall be installed per the manufacturer's instructions to the slopes and to the extent indicated on IFC Drawings.	IFC Drawings				
D	<u>Insulation Installation Inspection</u>					
D1	Installation shall be in strict accordance with the manufacturer's requirements and specifications.	SAES-N-004 Sec. 8				
D2	Installed insulation material, including insulating cement and insulation covering, shall be free from asbestos fibers.	SAES-N-004 Sec. 6.3				
D3	Roof insulation shall be of a rigid type suitable as a base for application of a roof covering. (1997 UBC, Sec. 1510)	SAES-M-100 Sec. D				
D4	Foam plastic insulation shall be fire rated and have the required fire retardancy to maintain the fire rating of the roof in which it is installed. (1997 UBC, Sec. 1510)	SAES-M-100 Sec. D				
D5	Insulation for modified bitumen, thermoplastic and thermoset membrane roofs shall be applied in accordance with the manufacturer's recommendations. (1997 UBC, Sec. 1510)	SAES-M-100 Sec. D				

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ITEM No.	ACCEPTANCE CRITERIA	REFERENCE	PASS	FAIL	N/A	RE-INSP DATE
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REMARKS:

REFERENCE DOCUMENTS:

- 1- SAES-M-100 -- Saudi Aramco Building Code, 29 January 2003
 2- SAES-N-004 -- Design & Installation of Building Thermal Insulation, 30 April 2003
 3- 1997 UBC -- Uniform Building Code, 01 January 1997

Contractor / Third-Party		Saudi Aramco	
Construction Representative*		PMT Representative	
Name, Initials and Date:	Work is Complete and Ready for Inspection:	Name, Initials and Date:	☐ T&I Witnessed ☐ QC Record Reviewed ☐ Work Verified
QC Inspector		PID Representative	
Name, Initials and Date:	☐ Performed Inspection ☐ Work / Rework May Proceed	Name, Initials and Date:	☐ T&I Witnessed ☐ QC Record Reviewed ☐ Work Verified
QC Supervisor		Proponent and Others	
Name, Sign and Date:	Quality Record Approved:	Name, Organization, Initials and Date:	☐ T&I Witnessed ☐ QC Record Reviewed ☐ Work Verified

*Person Responsible for Completion of Quality Work / Test

Y = YES N = NO F = FAILED

SAUDI ARAMCO INSPECTION CHECKLIST		SAIC NUMBER	DATE APPROVED	QR NUMBER
Roof Flood Testing		SATR-M-1014	18-May-05	CIVIL-
Test Procedures shall be in accordance with Saudi Aramco Building Code (SAES-M-100, Sec. 1501.1) and ASTM D5957				
1- Testing is to be performed after waterproofing membrane and flashings are inspected and any deficiencies repaired.				
2- Testing is performed prior to the installation of any top layer, slab, tiles or pavers.				
3- Plug all drains in the area to be tested and provide temporary containment dykes where needed.				
4- Flood the test area with 25 to 100 mm's (50mm below the level of flashings) of water for a minimum of 24 hours.				
5- Use a large flat bottomed, vertical sided metal pan adjacent on site as a test control on the amount of evaporation.				
6- If the water level is significantly less on the test area after 24 hours the test has been failed. Pass ☐ Fail ☐				
Preliminary Tests:				
Repairs during tests:				
Result: Leak Test Failed (Leak Detected) ☐ Leak Test Passed (No leak Detected) ☐				
REMARKS:				
REFERENCE DOCUMENTS:				
1- SAES-M-100, "Saudi Aramco Building Code," Issued 29 January 2003				
2- ASTM D5957, "Standard Guide for Flood Testing Horizontal Waterproofing Installations," Issued 10 January 1998				
Contractor		Saudi Aramco		
Construction Rep. Name, Initials, & Date:		PMT Representative: Verified ☐ Reviewed ☐		
QC Inspector Name, Initials & Date:		PID Representative: Verified ☐ Reviewed ☐		
QA/QC Supervisor Name, Signature & Date:		Proponent and Others: Verified ☐ Reviewed ☐		