

High Level Masonry Project Tactile safety inspection of high-level fabric

REPORT
Monument Name
PIC032



October 2022



HISTORIC
ENVIRONMENT
SCOTLAND

ÀRAINNEACHD
EACHDRAIDHEIL
ALBA

CONTROL SHEET

Document Control

Title:	Tactile safety inspection of high-level fabric Report PIC032 Ravenscraig Castle
Authors:	[REDACTED]
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Version Control

Version	Date	Status	Prepared by	Amendments
V0001	DD/MM/YYYY	Draft	[REDACTED]	First draft
V0100	19/12/2022	Approved	[REDACTED]	First issue

Template version: PICxxx-T1C-HLF-REP-YYYYMMDD-X-V0400-Report

High-Level Tactile Inspection: Report - Introduction



PIC ID # ↓	PIC032	Site name	Ravenscraig Castle		
Inspection start	17/10/2022	Inspection end	28/10/2022	Submission	19/12/2022
Lead inspector	[REDACTED]				
Other inspectors	[REDACTED]				

Introduction:

The High-Level Fabric Inspection of Ravenscraig Castle (PIC032) was lead by [REDACTED] (Lead Inspector) and carried out with Inspectors [REDACTED] from 17/10/2022 - 28/10/2022.

The HLM Inspection Team assessed 16 zones covering the whole monument, using a range of high level access equipment including rope access, alloy towers and ladders.

HLF Inspection Risk Matrix:

HES-T1C-HLF-RAS-X-X-V0300-RiskMatrix

Consequence		1	2	3	4	5
		No injury	Minor injury	Moderate injury	Major injury	Fatal or life-altering injury
Probability	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5

RISK RATING	RISK SCORE RANGE
High	15 - 25
Medium	10 - 14
Low	1 - 9



Re-inspection frequency: (in years) **VISITOR NUMBERS UNKNOWN - TO BE DETERMINED**

		Annual Visitor Numbers				
		up to 5 k	5-20 k	20 - 100 k	100k - 2m	over 2 m
Identified Risk Rating	Low	5 years	5 years	5 years	4 years	4 years
	Medium	3 years	3 years	2.5 years	2 years	2 years
	High	1 year	1 year	1 year	1 year	0.5 year

Link to 3D model:

[N/A](#)

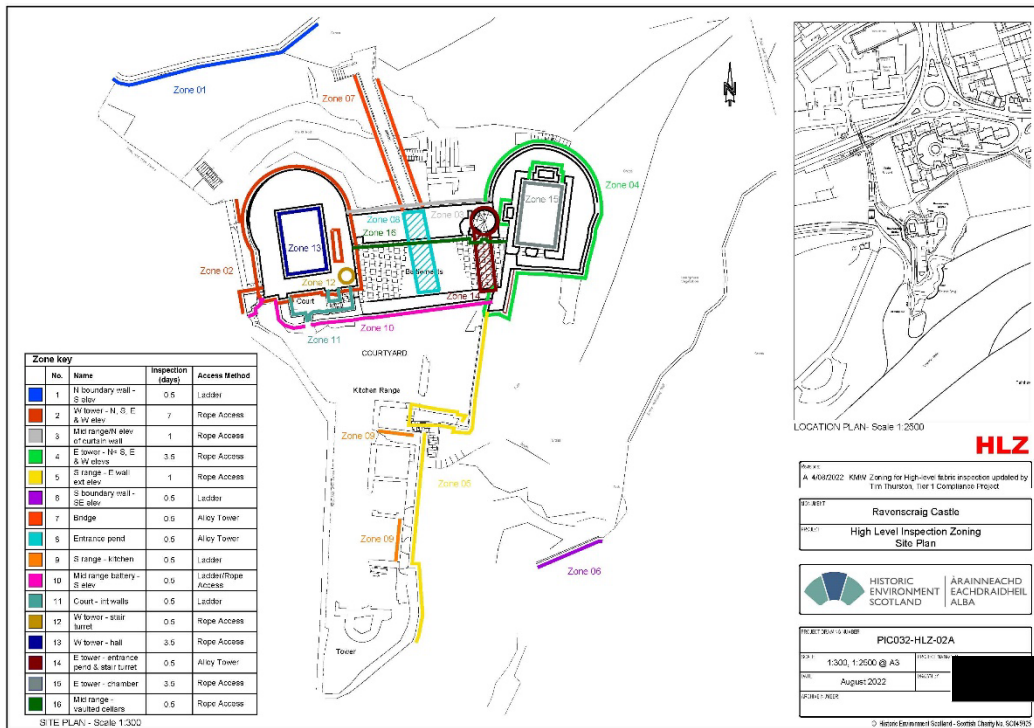
HL Zones:

Zone:	Colour:	Zone Name:
1		North boundary wall. South elevation
2		West Tower. North, South, East and West elevations
3		Mid Range/ North elevation curtain wall
4		East Tower. North, South, East and West elevations
5		South Range. East wall. External elevation
6		South East boundary wall (remains) South East elevation
7		Bridge
8		Entrance pend
9		South Range. Kitchen (remains)
10		Mid Range Battery. South elevation
11		Court. Internal walls
12		West Tower. Stair turret
13		West Tower. Hall
14		East Tower. Entrance pend and stair turret
15		East Tower. Chamber.
16		Mid Range. Vaulted cellars

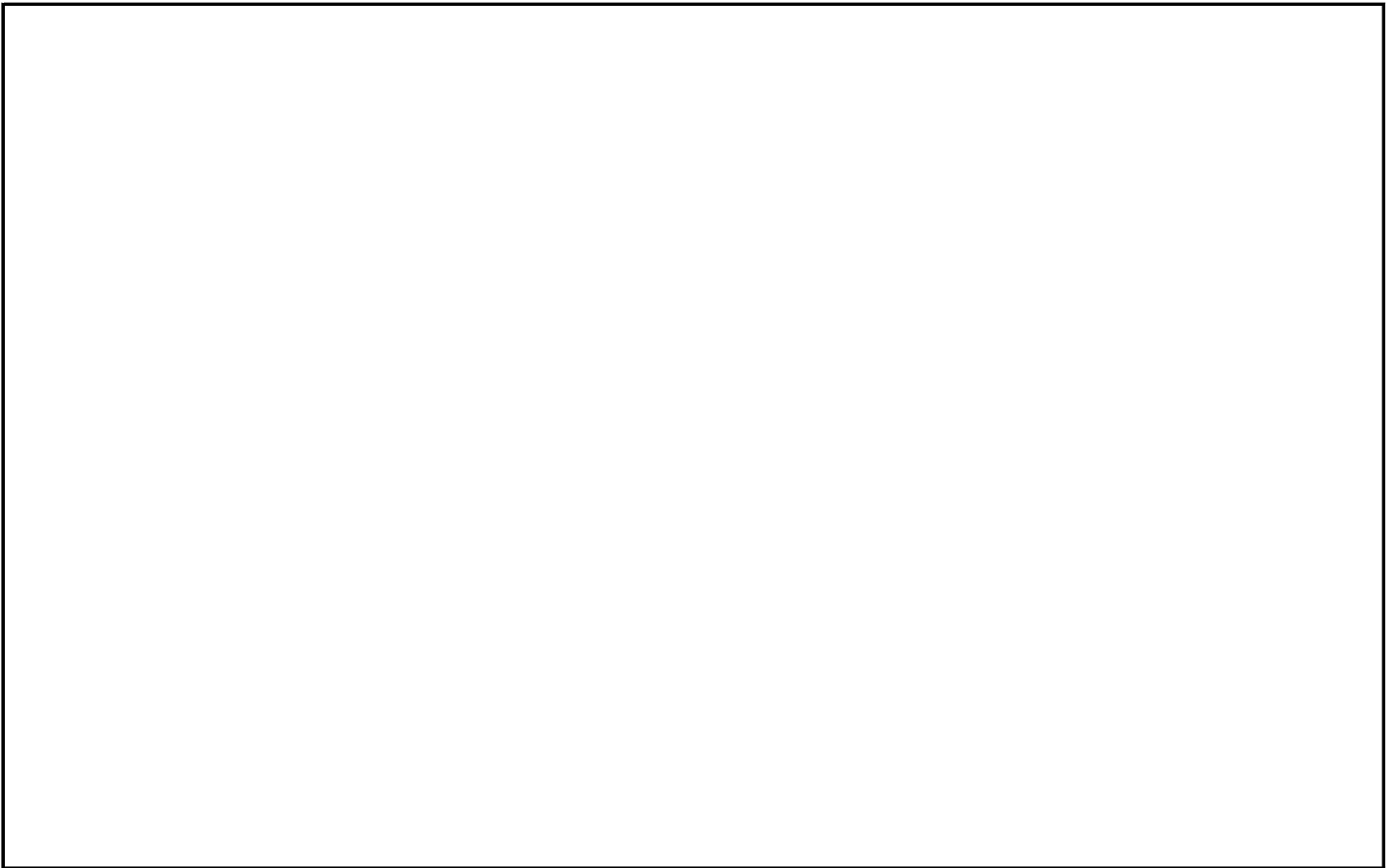
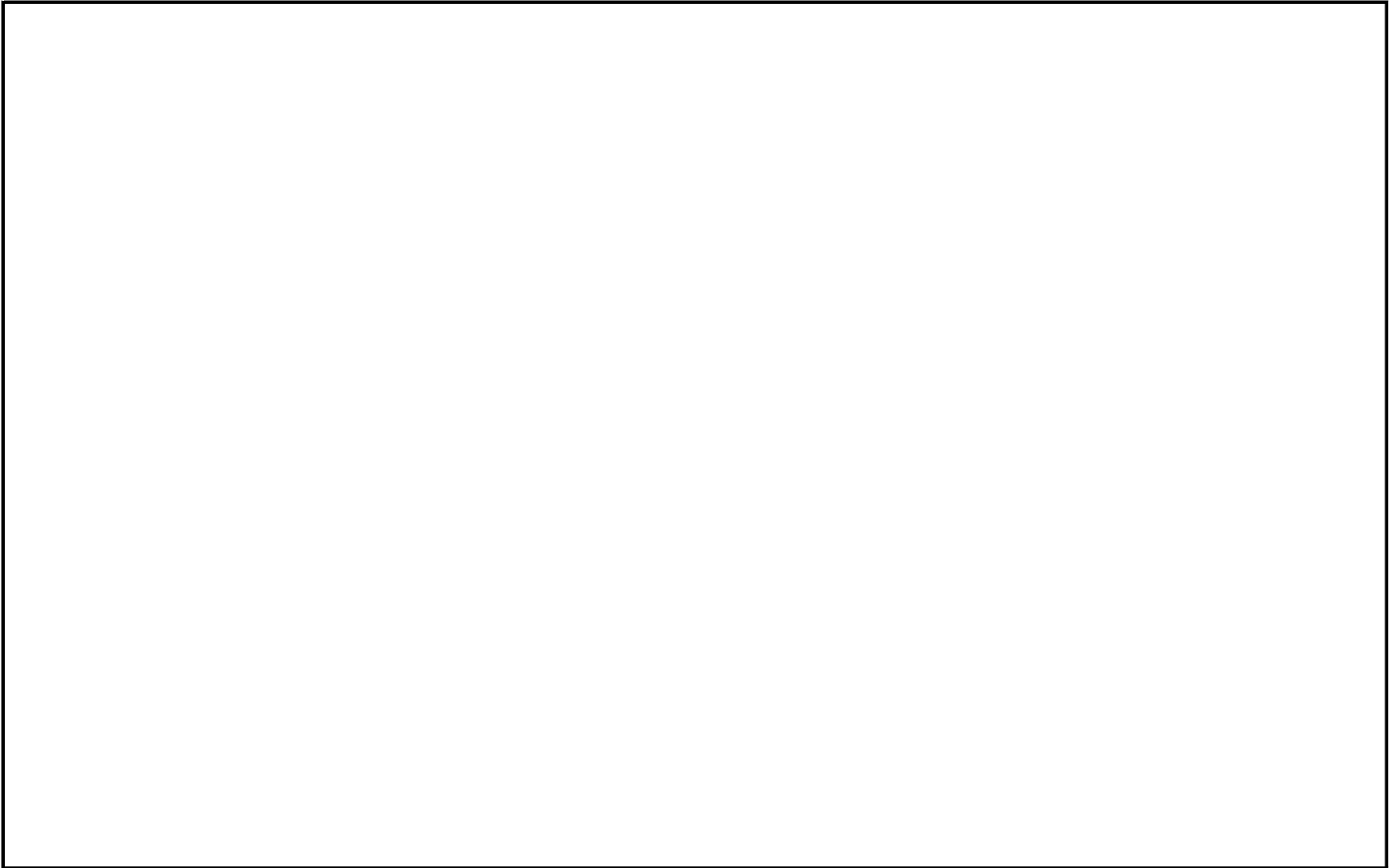
High-Level Tactile Inspection: Report - High-Level Zoning Drawings



Click on link below image to open drawing in PDF viewer:



[PIC032-HLZ-02A](#)



High-Level Tactile Inspection: Report - Summary dashboard



PIC ID#	PIC032	Site name	Ravenscraig Castle	
Submission	19/12/2022	Number of zones	15	
Select zone of which data should be displayed ↓	All zones	Number of observations	29	

Identified Risk



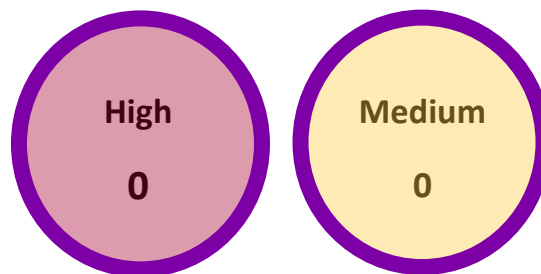
Residual Risk

After Inspection Action



Residual Risk

Mitigated with applied Access Restriction in place



Inspection Action:

Class V Report Fabric detached during tactile inspection	Access Restriction = Risk of fabric falling and causing harm			Monitor Observation / Plan Repairs No immediate action
	Full site, notifiable	Partial site, notifiable	Partial site, not notifiable	
5	0	0	0	24

Inspection types:	Tactile	29	Visual	0
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Key comments:

KEY FINDINGS

- 2 Loose quoins removed by Rope Access team (stored on site)

-

PREDOMINANT RISKS:-

- Vandalism / Unauthorised access to higher areas of site

-



High-Level Tactile Inspection: Report - Access Scope



PIC ID #	PIC032	Site name	Ravenscraig Castle
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Access methods: Select all methods used to conduction inspection ↓

MEWP		Design Scaffold		Alloy Tower Scaffold	Yes
Rope Access	Yes	Steeplejack		Ladder	Yes
Ground	Yes	Binoculars / Photo		UAV	Yes

Other method		If yes, details:	
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Ground protection / tracking required:	
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External Contractor appointed for access requirments:	Yes
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Inspection info:

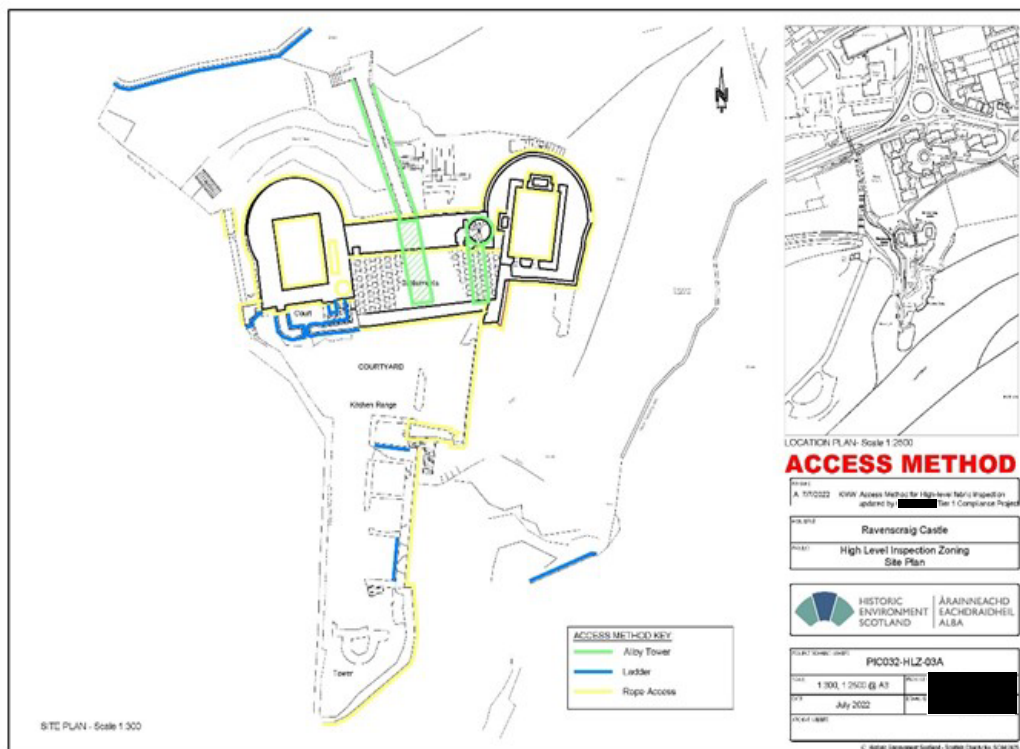
Limitations of inspection:	All areas inspected - Strong winds delayed inspections
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Areas not inspected:	All areas inspected
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High-Level Tactile Inspection: Report - Access Scope



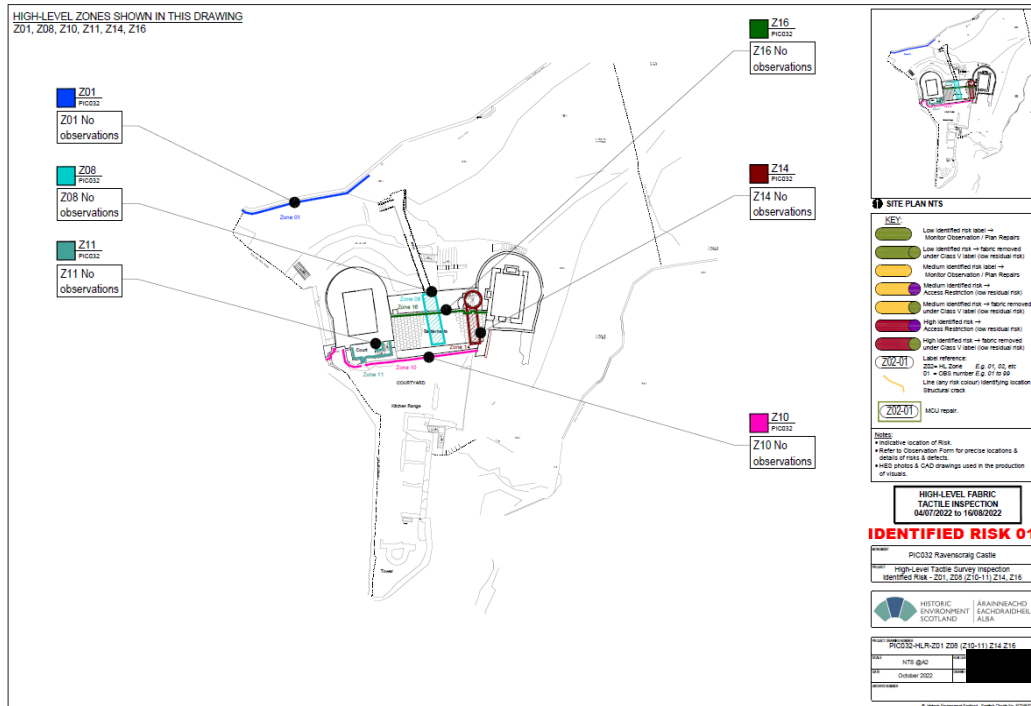
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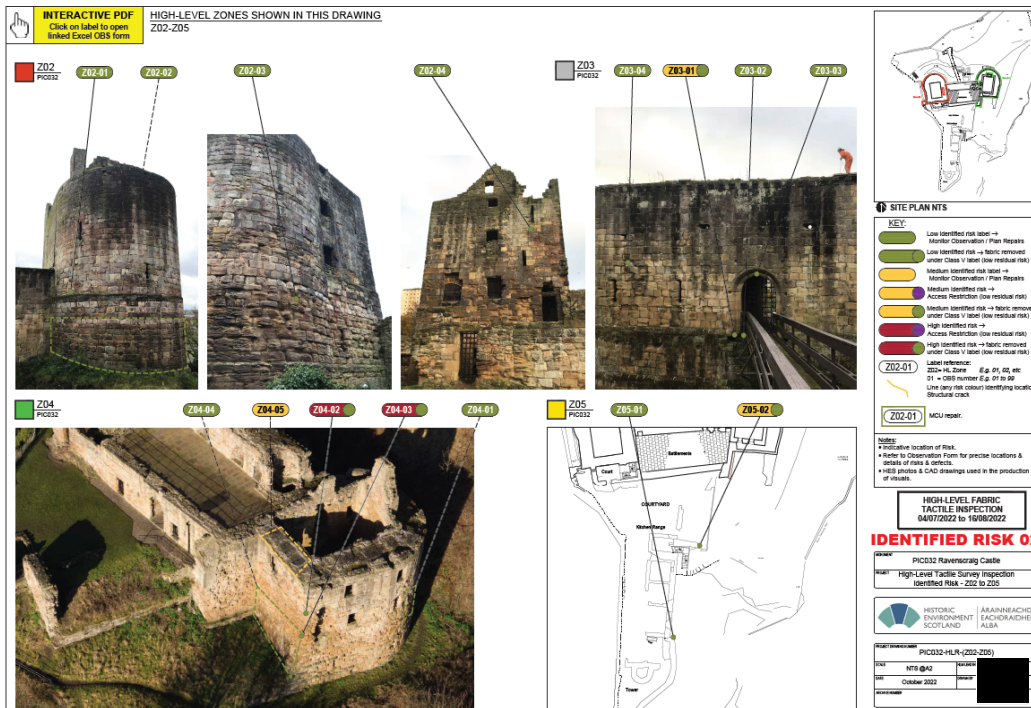
[PIC032-HLZ-03A](#)



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[PIC032-HLR-Z01 Z08 \(Z10-11\) Z14 Z16](#)



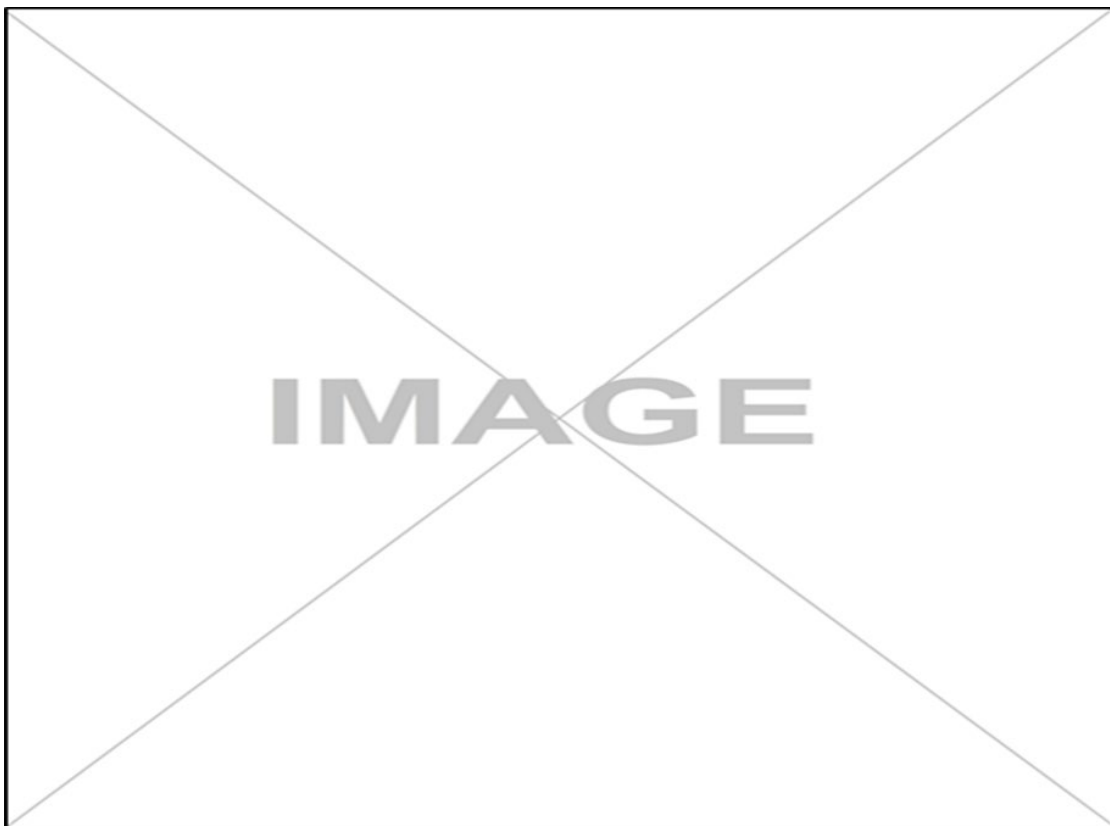
[PIC032-HLR-\(Z02-Z05\)](#)



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[PIC032-HLR-\(Z06-07\) Z09 \(Z12-13\) Z15](#)





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IMAGE



IMAGE



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