

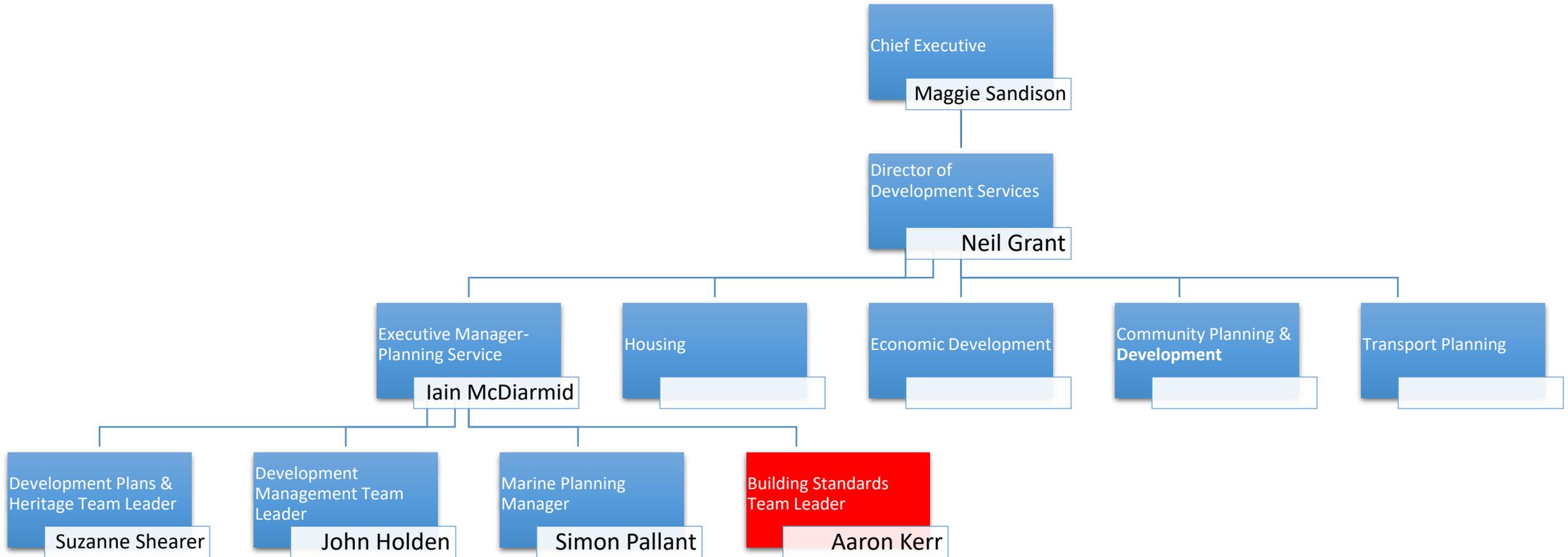
Building Standards Workshop

Remote Verification Inspections (RVIs)

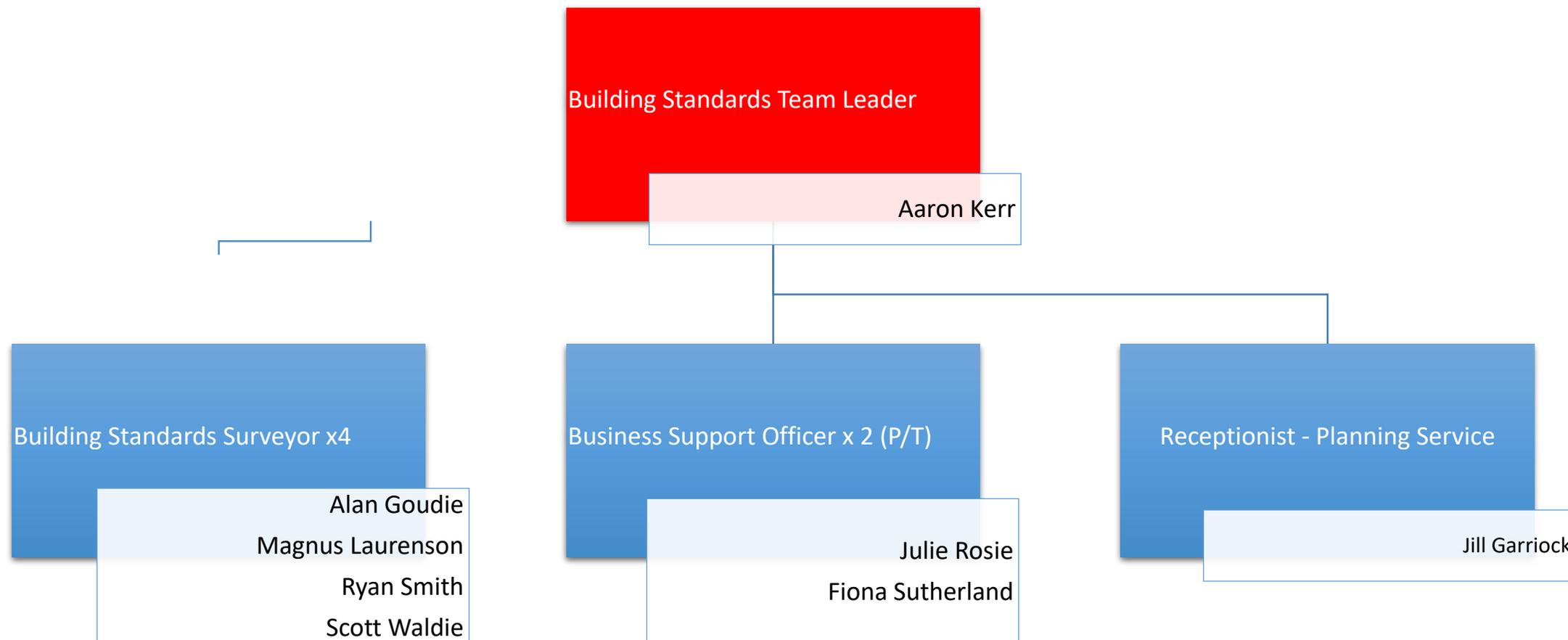
Meeting format

- How Building Standards fits within the organisation
- The Building Standards Team
- What are Remote Verification Inspections?
- Demonstration on how it works in practice.
- Discuss limitations and benefits
- Questions
- 1 hour

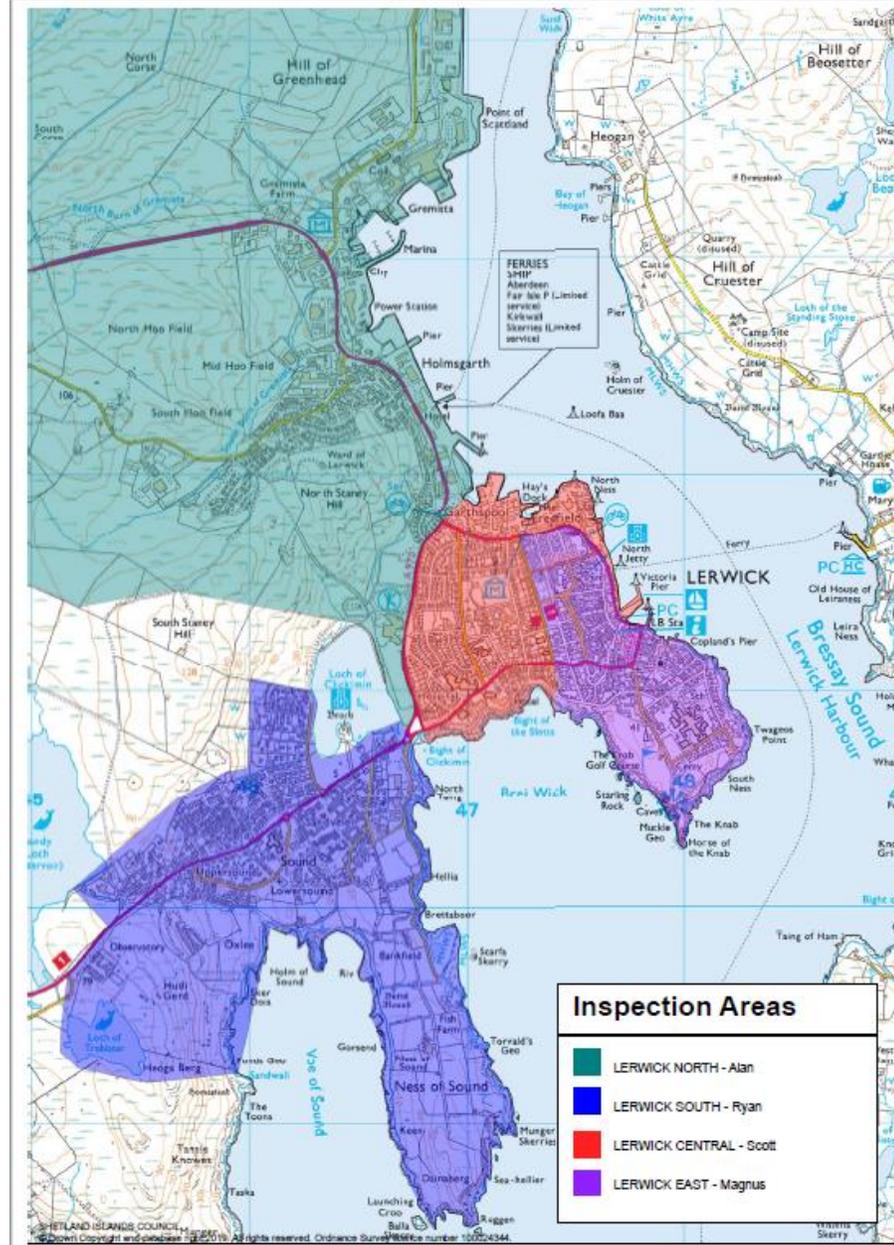
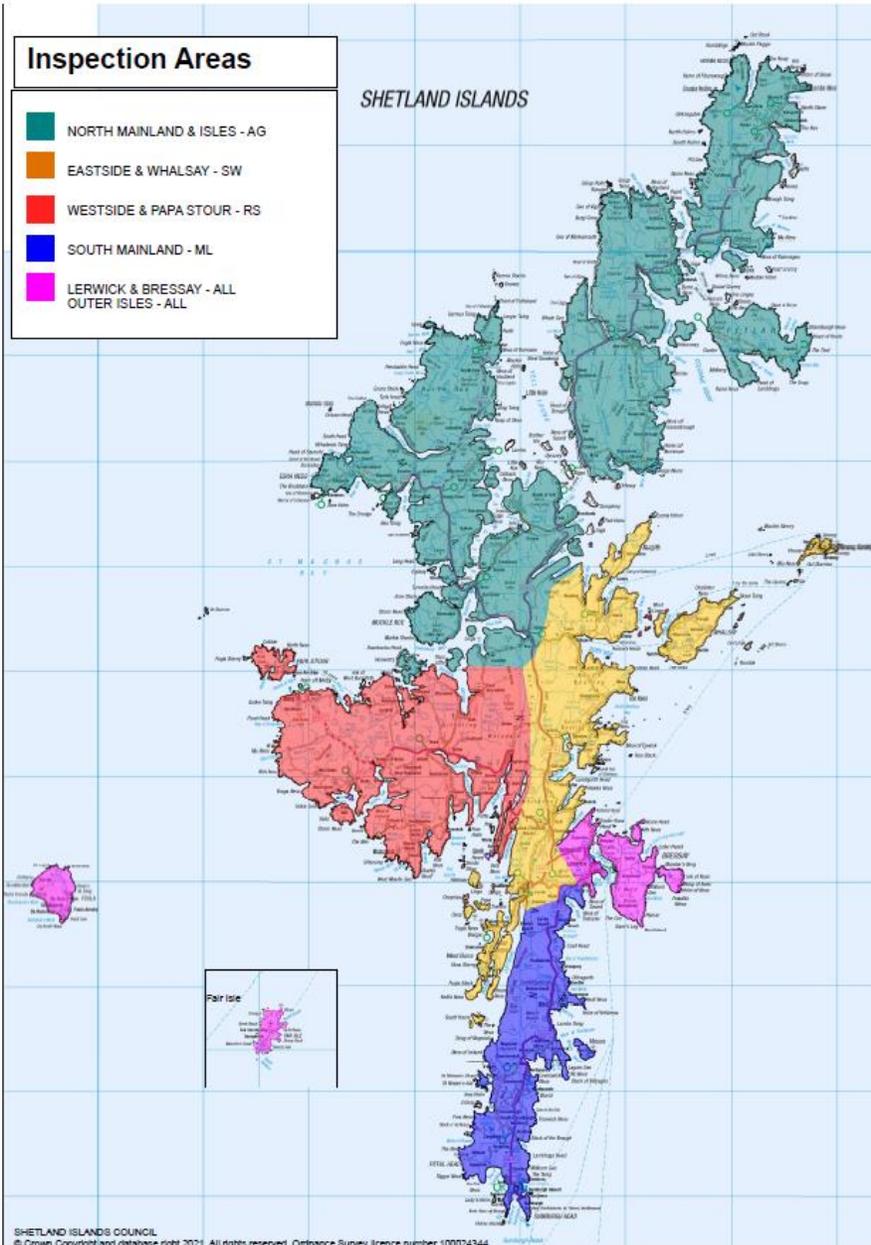
Organisation chart



Building Standards Team



Area Based Inspections



Remote Verification inspection

- Verification of the compliance of building work
 1. Checking and approving warrant plans
 2. Undertake reasonable inquiry to verify that works comply with approved plans, details and with regulations (Typically a physical inspection is carried out)
- Covid 19 Pandemic has caused us to rethink how the service is delivered.
- Kevin Stewart MSP issued guidance to all LA's to encourage use of RVI
 - May 2020
 - March 2021

Remote Verification inspection

- RVI refers to live video inspections in the first instance.
- Nature and frequency of inspections are defined by the Customer Compliance and Notification Plan (CCNP).

Typical CCNP For a Dwelling

- Nothing has changed – Responsibility still to notify AND agree with verifier what is required.
- RVI is now an additional option in lieu of a physical inspection in some instances



Shetland
Islands Council



Construction Compliance and Notification Plan (CCNP)			
PROJECT DETAILS			
Warrant Reference No.		Duly Authorised Agent	
BW/***		***	
Building Address		Building Owners Details	
.....		
.....		
.....		
Contact Details for Inspecting Officer		Name: ***	
		Tel: 01595 74****	
		Email: *****@shetland.gov.uk	
Key Construction Stage	Status	Notes for Applicant	Appropriate Alternative Evidence
Commencement	Mandatory	Send commencement to Verifier at least 7 days prior to starting on site	
Foundations	Notify	Excavation prior to concrete being poured	Report from structural engineer
Drainage/Substructure	Notify	Building Standards to witness drainage testing before being backfilled / walls erected to ground floor wall plate level	
Superstructure	Notify	Timber-frame erected but before covered by insulation / plasterboard	
Completion	Mandatory	Submit Completion Certificate and any relevant paperwork. No occupation of building before completion accepted (see notes).	

RVI

- What will this look like in practice?

CCNP Notificaton

1. You should contact Building Standards to give notification of CCNP stage. This can be done through any of the following ways:
 - E Building Standards Portal,
 - Email,
 - Telephone.
2. A Surveyor will then contact you to arrange the inspection.
3. If RVI is chosen, a suitable time for the inspection will be agreed between the Surveyor and yourself.
4. An appointment will be sent out to your email address in the form off a calendar appointment.

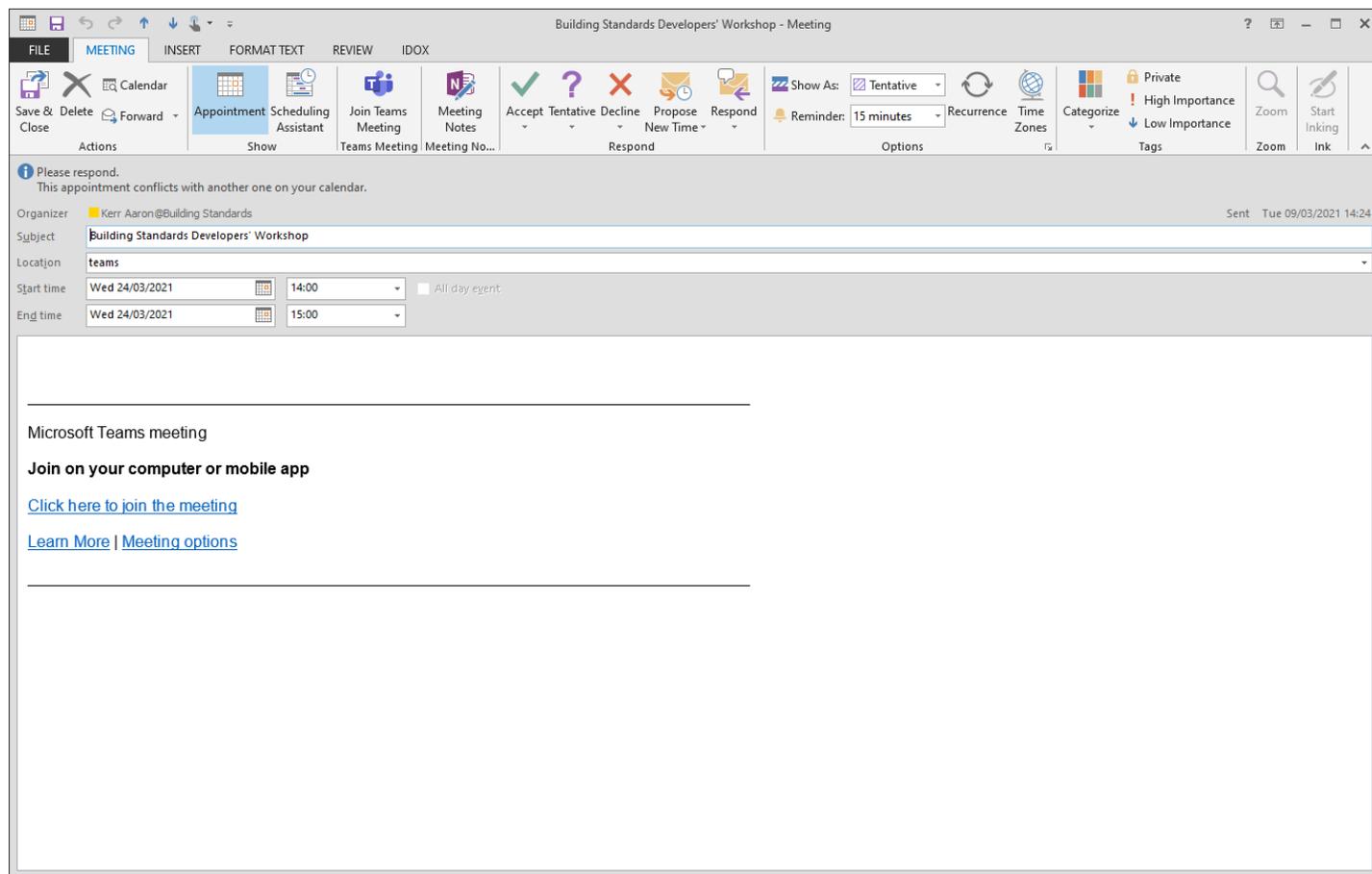
Microsoft Teams



We envisage using Microsoft Teams to carry out RVI

- Now becoming a familiar programme,
- Familiar video calling features to the likes of WhatsApp and face time
- Ability to record meetings,
- Ability to facilitate a meeting with multiple people.

How will an RVI be set up?



The screenshot shows the Microsoft Outlook 'MEETING' ribbon with various options like 'Appointment Scheduling Assistant', 'Join Teams Meeting', and 'Meeting Notes'. The meeting details are as follows:

- Organizer: Kerr Aaron@Building Standards
- Subject: Building Standards Developers' Workshop
- Location: teams
- Start time: Wed 24/03/2021 14:00
- End time: Wed 24/03/2021 15:00

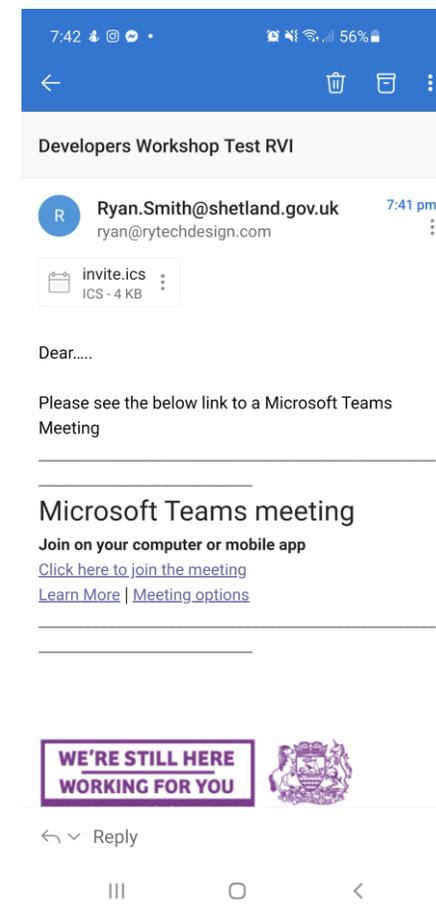
The main body of the email contains the following text:

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More | Meeting options](#)



The screenshot shows an email titled 'Developers Workshop Test RVI' from Ryan Smith (@shetland.gov.uk). The email content is:

Dear....

Please see the below link to a Microsoft Teams Meeting

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

[Learn More | Meeting options](#)

WE'RE STILL HERE WORKING FOR YOU 

Reply

Preparing For The Inspection

Familiarise yourself with APP

Items you may need:

- Level
- Tape
- Torch
- Ladder or step ladder
- A Selfie Stick (Believe it or not)

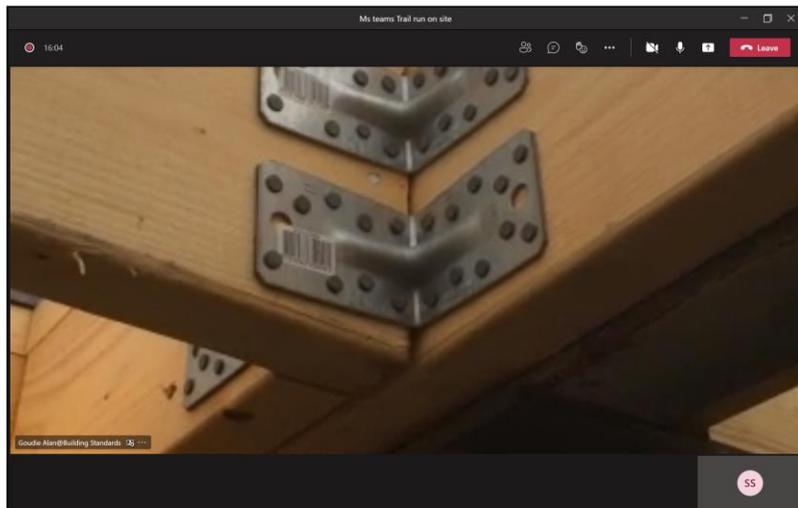
Carrying Out The Inspection

It is important to know that all RVI's will be recorded so that a record can be kept of the inspection.

The Surveyor will explain what they will need to see during the inspection

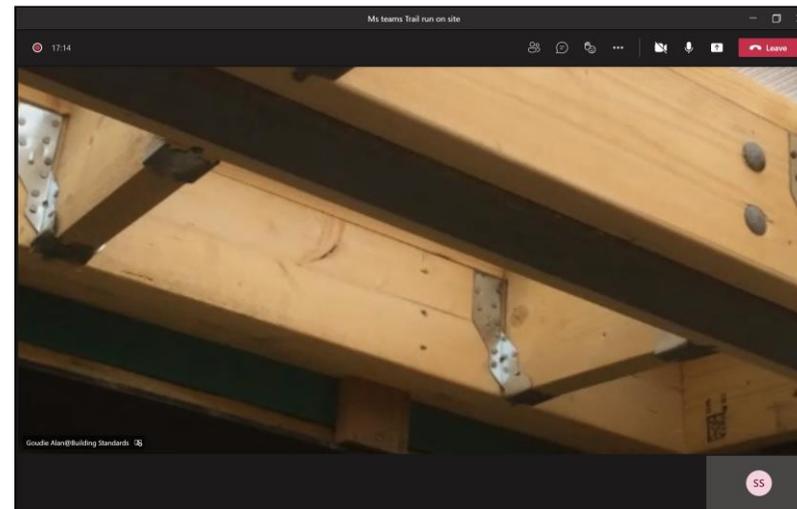
- Foundations:
Width / Depth / Steel Fabric.
- Drains:
Pipe runs, Lintels.
- Super-Structure:
Size of lintels, Depth of joists, Thickness of insulation.

Test RVI – Example Photos

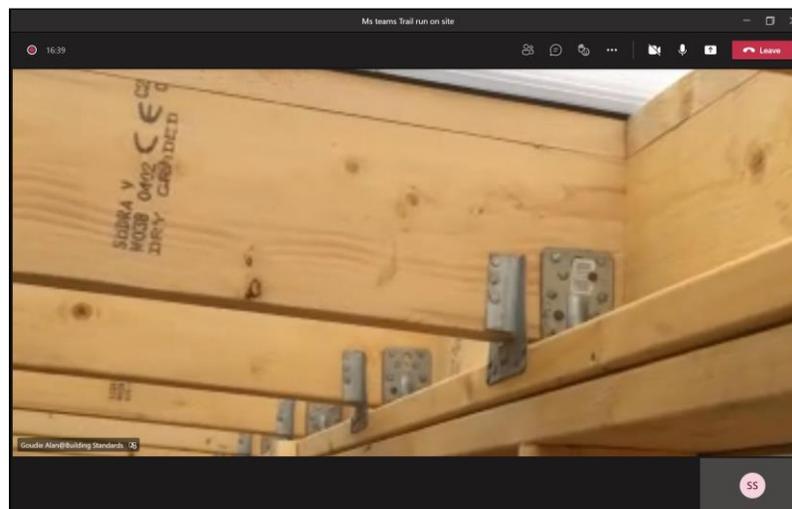


Junction Detail

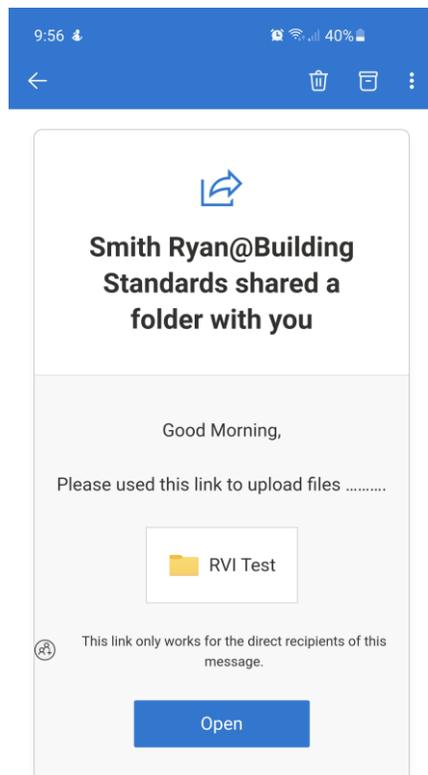
Eaves Tie Down Detail



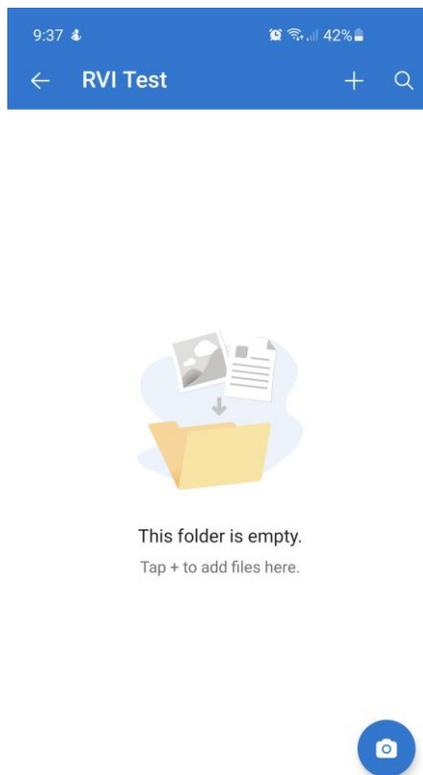
Joist Hanger Detail



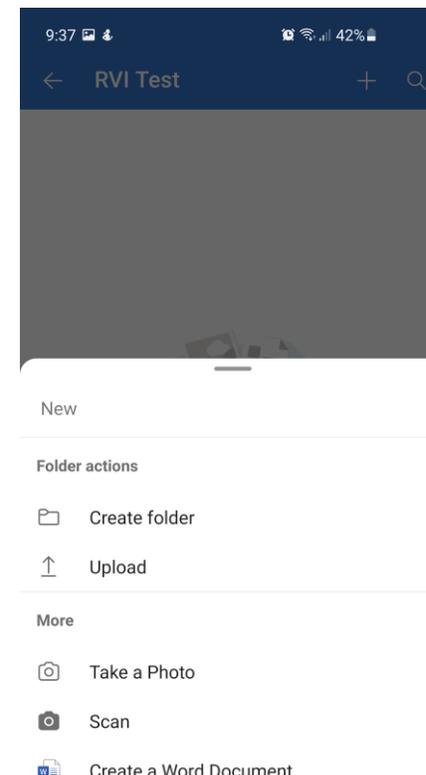
Where RVI cannot work



Reply to all



Home Files Shared Libraries Me



Potential RVI limitations

- **Buy in to RVI's**
- **Connectivity**
- **Hardware/Software**
- **Large File sizes/Image quality**
- **Risk category of Works**
- **Trust**
- **Instructions/Guidance**

- **Disadvantages** – Loss of adhoc discussion on site, potential for more unauthorised works, from the submission of recorded Video & Photos potential for work on site to continue without being verified.

Potential RVI Advantages

- **Reduced Covid-19 risks**
- **Inspections dealt with in a timely manner**
- **Better Flexibility to attend RVI**
- **Inspect different geographical areas in the same day**
- **Allows more inspections during the construction works on site**
- **Savings**
- **Bad weather**

Q&A's

What is your thoughts on RVI's?

Limitations

- Buy in to RVI's
- Connectivity
- Hardware/Software
- Large File sizes/Image quality
- Risk category of Works
- Trust
- Instructions/Guidance

Advantages

- Reduced Covid-19 risks
- Inspections dealt with in a timely manner
- Better Flexibility to attend RVI
- Inspect different geographical areas in the same day
- Allows more inspections during the construction works on site
- Savings
- Bad weather