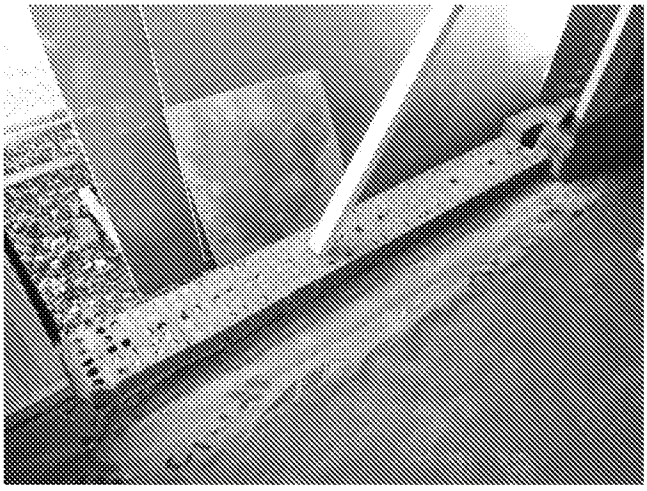
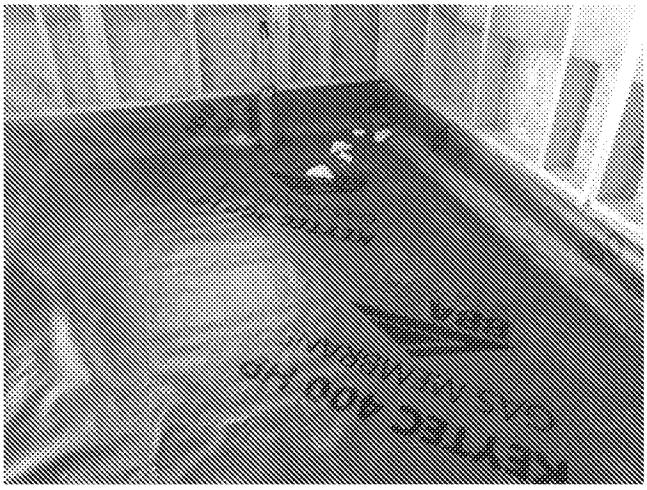
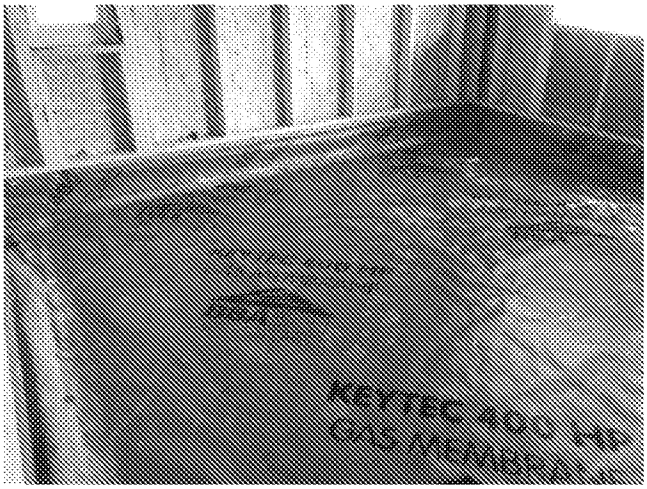
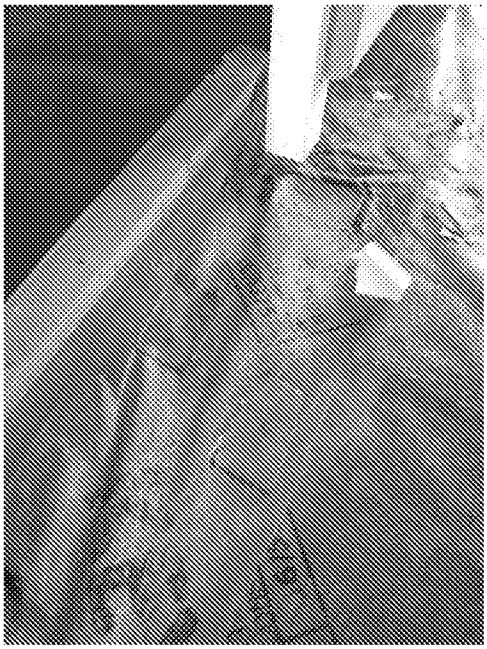
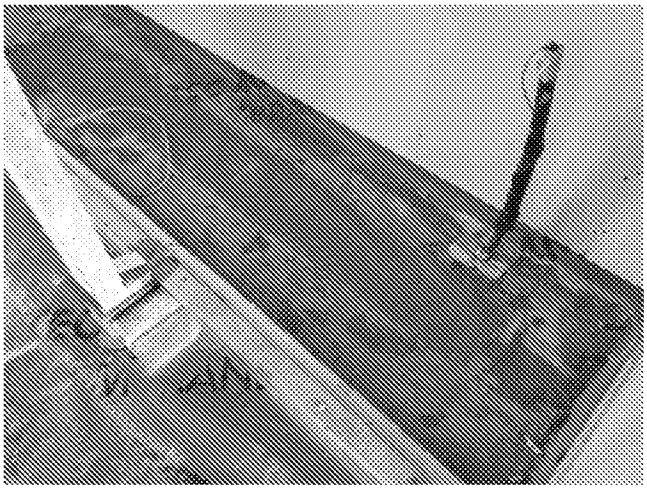
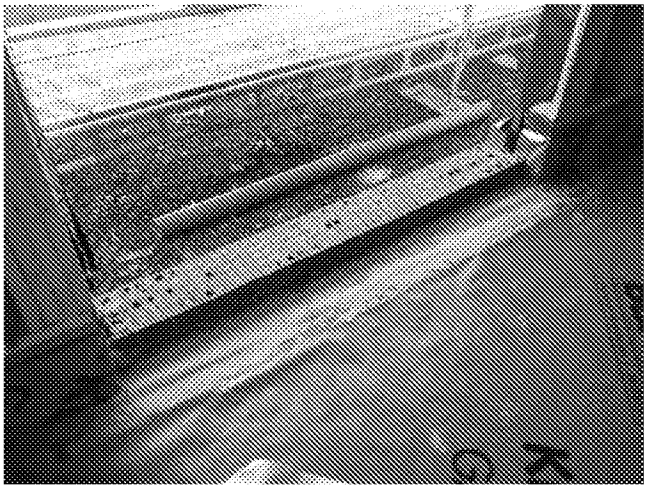
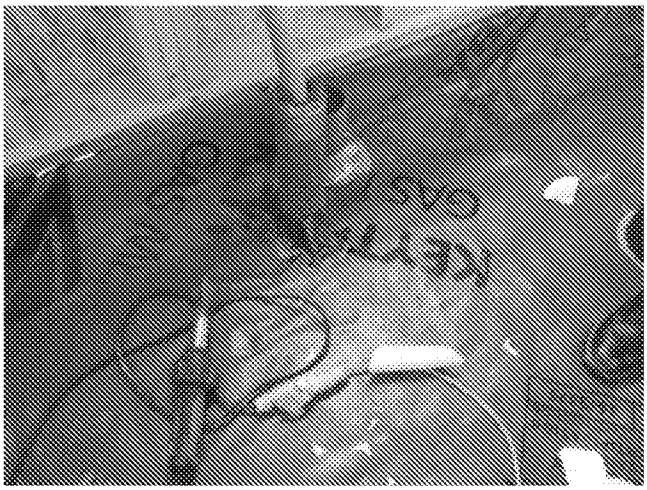
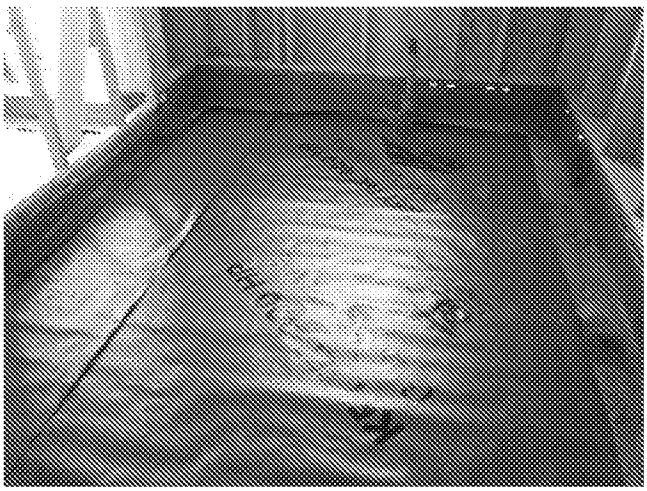
	Plot 40 - under stairs
	Plot 40 - floors sealed
	Plot 40 - Threshold

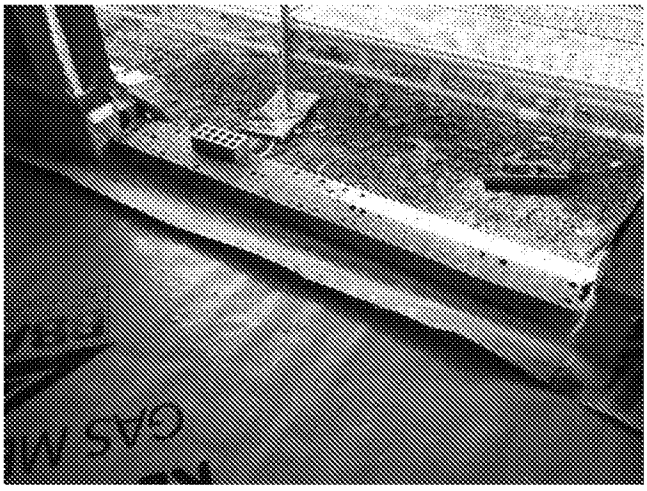
	Plot 41 - Threshold
	Plot 41 - Floor and services sealed
	Plot 41 - under stairs sealed

	Plot 41 - floors sealed
	Plot 41 - Threshold
	Plot 41 - Holes patched during inspection

	Plot 42 - services in progress
	Plot 42 - Floor in progress
	Plot 42 - under stairs sealed

	Plot 42 - floors sealed
	Plot 42 - Threshold sealed
	Plot 42 - Floor completed during visit

	Plot 42 - service seals completed during inspection
	Plot 43 - in progress
	Plot 43 - in progress

	Plot 43 - in progress
	Plot 43 - in progress
	Plot 43 - in progress

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	29/10/2020, 11:01
Site Engineer	

No users

Weather at time of inspection	Drizzle, overcast, cool
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Semi detached houses
Plot No.	Plots 32-35 (infills) plot 35 incomplete
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Membrane sealed so unable to inspect
1.2 Gas membrane type	Keytech 400 HP gas membrane (red)
1.3 Gas membrane condition	Membrane generally in good condition some dust ad saw dust
Jointing tape product	Heat sealed joins, tape around services
1.5 Lapping design	At least 150mm
1.6 Laps, welds and joints seals	All joins, welds and seals heat sealed and well sealed. A few holes/damage identified during visit, ut were repaired in the presence of the engineer.
1.7 Service seals	Services sealed with site made seals and eated tape

Engineer's Prelim Assessment (Mem)

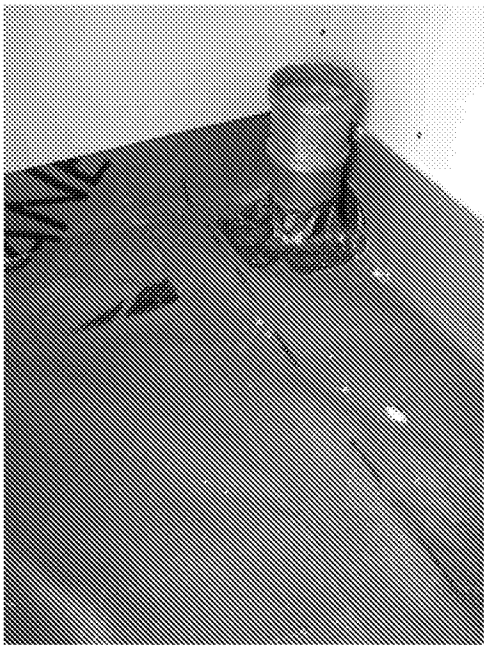
Pass

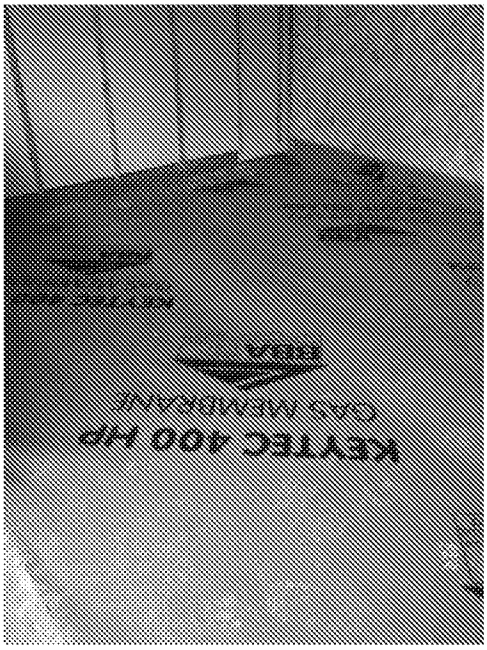
4. PHOTOGRAPHS

Photographs

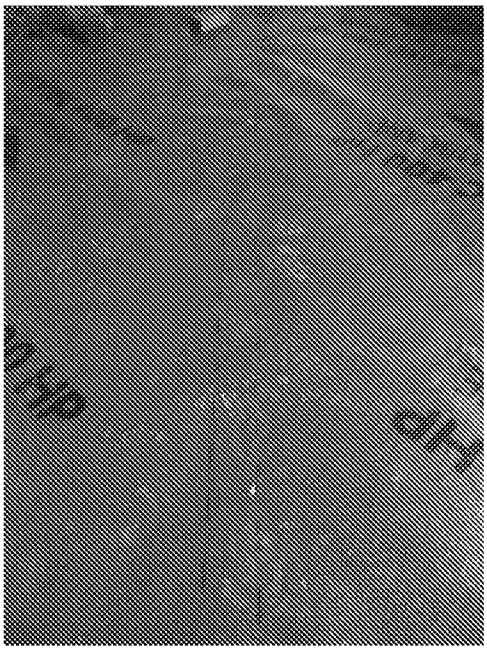
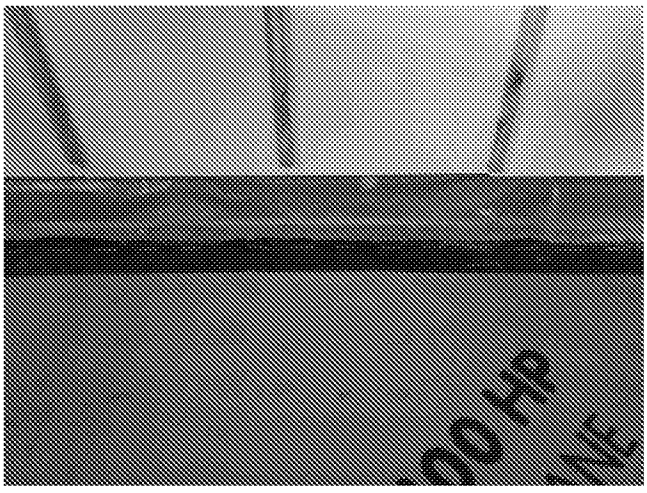
(12 records)

Photograph	*Photograph Title*

	Plot 32 overview
	Plot 32 services
	Plot 32 detail

	Plot 33 overview
	Plot 33 threshold
	Plot 33 patch repair

	Plot 33 repair
	Plot 33 timber frame
	Plot 34 overview

	Plot 34 membrane seal
	Plot 34 services
	Plot 34 detail extra membrane to protect threshold beneath

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	12/11/2020, 12:24
Site Engineer	
Katie O'Dea	[redacted]
Weather at time of inspection	Warm, sunny, dry.
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential
Plot No.	Plots 28-31
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Underside of membrane unable to be inspected as fully sealed. Gravel removed from some areas of subgrade and membrane subsequently patched up in Plots 28 and 30.
1.2 Gas membrane type	Keytec gas membrane.
1.3 Gas membrane condition	Good condition. Dusty with some debris in areas due to construction work within the plots. Any holes identified were patched during the inspection visit.
Jointing tape product	Heat sealed joints with some tape patching.
1.5 Lapping design	Min 150mm overlap
1.6 Laps, welds and joints seals	Heat sealed joints with some tape patching.
1.7 Service seals	Services sealed with tape.

Engineer's Prelim Assessment (Mem)

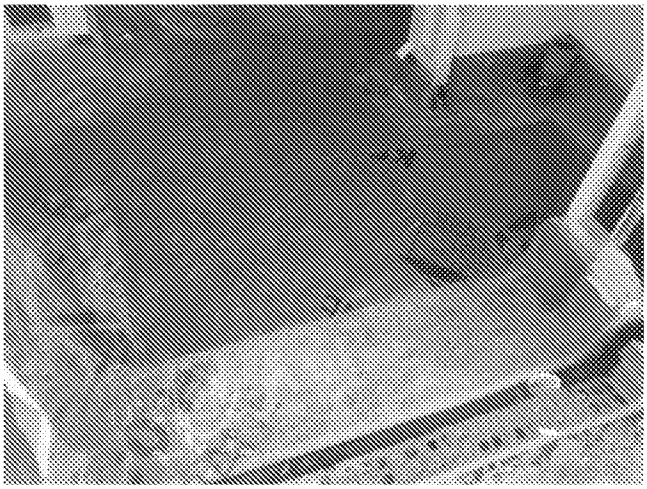
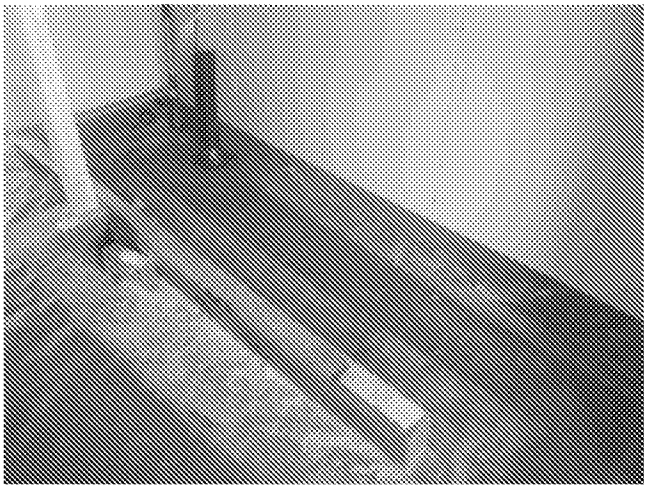
Pass

4. PHOTOGRAPHS

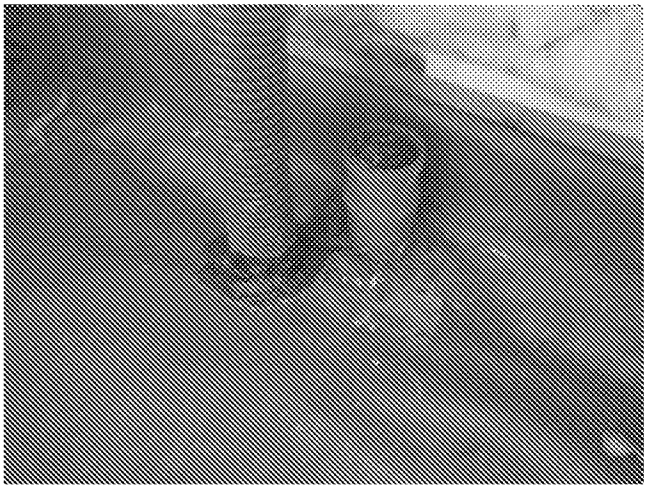
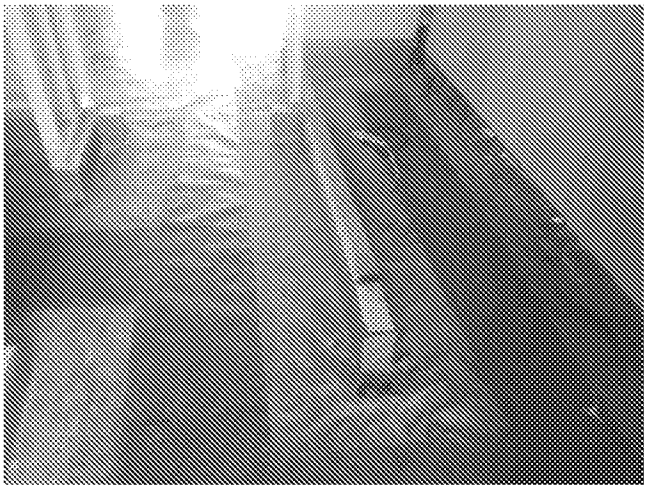
Photographs

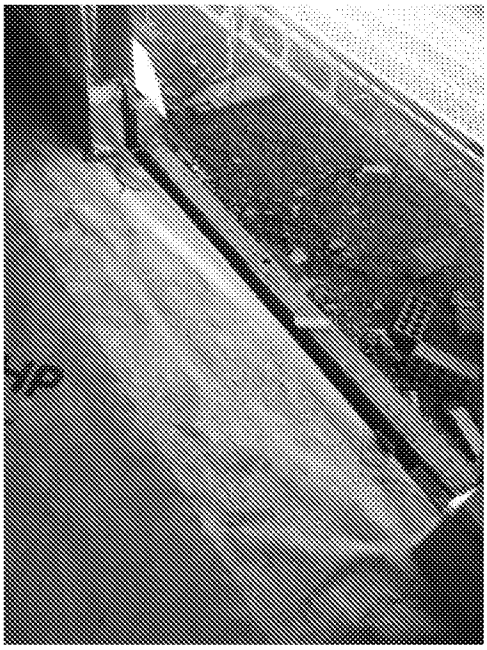
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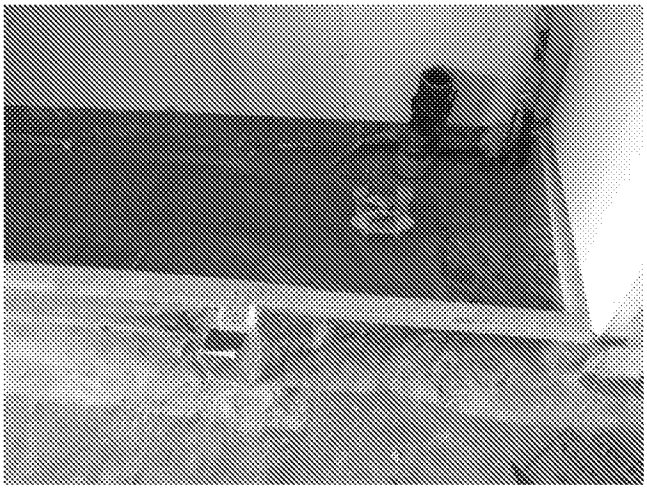
Photograph	*Photograph Title*

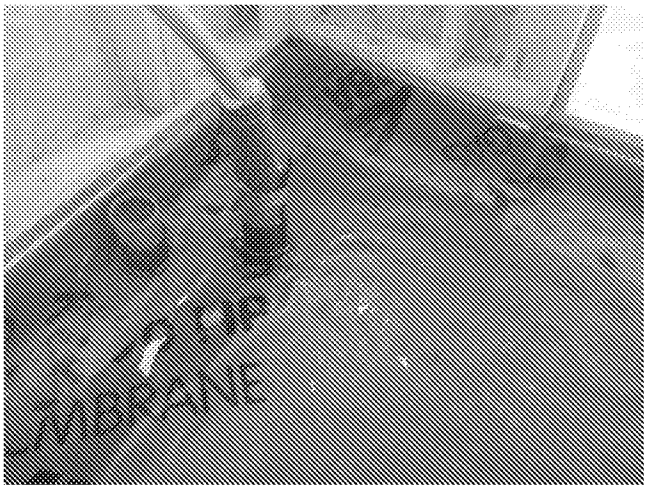
	Plot 31 - Threshold
	Plot 31 - Under stairs
	Plot 31 - Floor and service seals

	Plot 31 - Service seals. Bricks to hold membrane in shape
	Plot 31 - Floor
	Plot 31 - Threshold

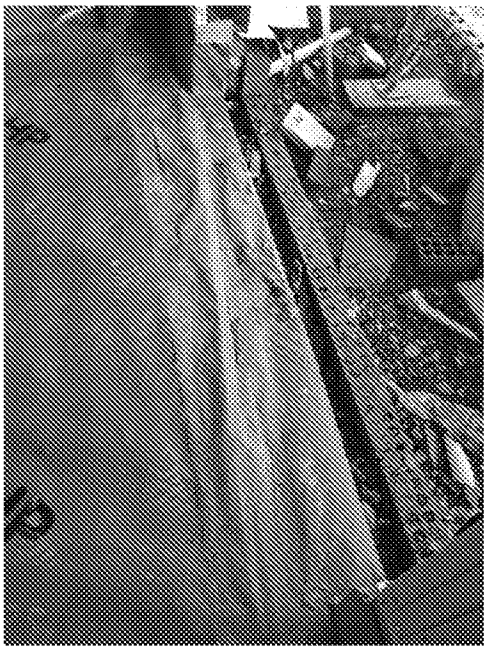
	Plot 30 - Threshold
	Plot 30 - Service seals
	Plot 30 - Under stairs

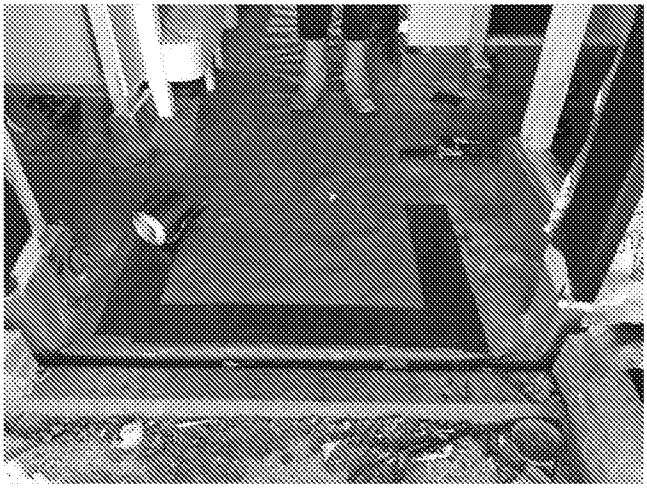
	Plot 30 - Floor
	Plot 30 - Patching after removal of debris under membrane
	Plot 30 - Threshold

	Plot 29 - Threshold and entrance hallway
	Plot 29 - Floor
	Plot 29 - Under stairs

	Plot 29 - Patching after removal of debris under membrane
	Plot 29 - Floor with some patching
	Plot 28 - Service seals

	Plot 28 - Floor
	Plot 28 - Floor with patching after removal of debris from under membrane
	Pot 28 - Floor with some patching

	Plot 28 - Threshold with some patching
	Plot 28 - Floor
	Plot 28 - Floor with patching after removal of debris from under membrane

	Plot 28 - Debris visible under membrane in doorway
	Plot 28 - Doorway area with patching after removal of debris from under membrane

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham
Geo-Environmental Project Manager's Email	[redacted]
Date	19/11/2020, 14:23
Site Engineer	

No users

Weather at time of inspection	Dry, cold, slightly cloudy
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Terrace houses
Plot No.	24-27
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Membrane sealed so unable to inspect
1.2 Gas membrane type	Key tech 400hp gas membrane (Red)
1.3 Gas membrane condition	Generally in good condition
Jointing tape product	Heat sealed double sided tape
1.5 Lapping design	At least 150mm
1.6 Laps, welds and joints seals	All heat sealed and taped joins
1.7 Service seals	Site made seals, all well sealed with heat sealed taped joins

Engineer's Prelim Assessment (Mem)

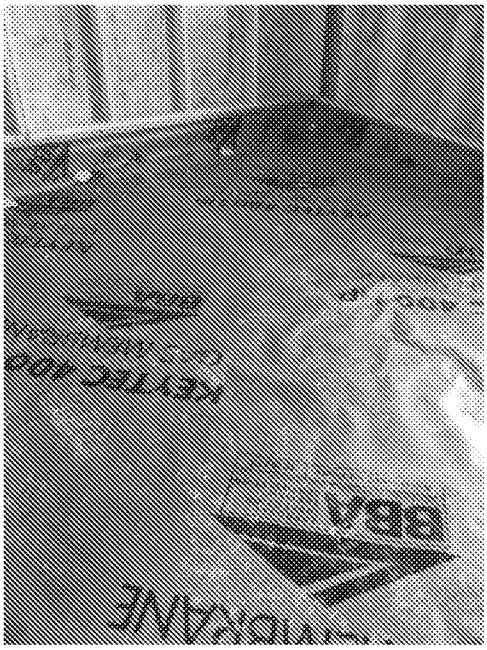
Pass

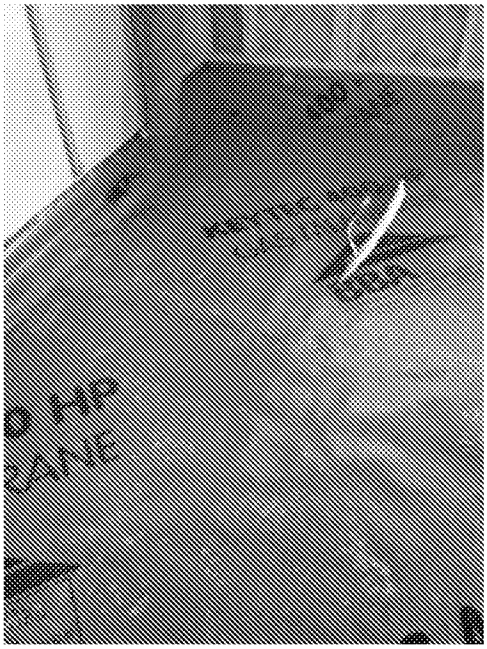
4. PHOTOGRAPHS

Photographs

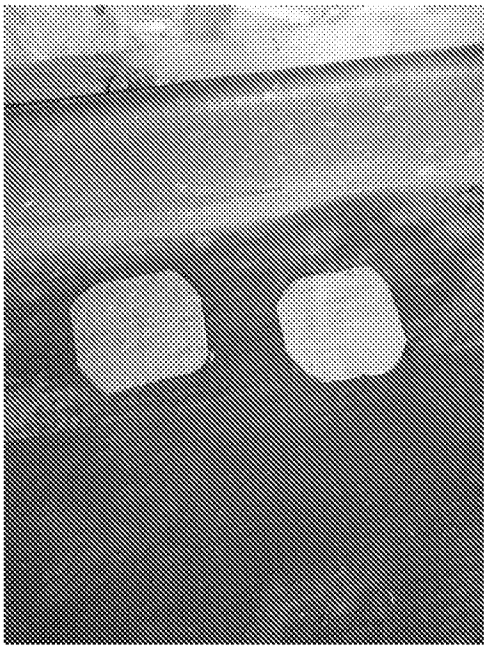
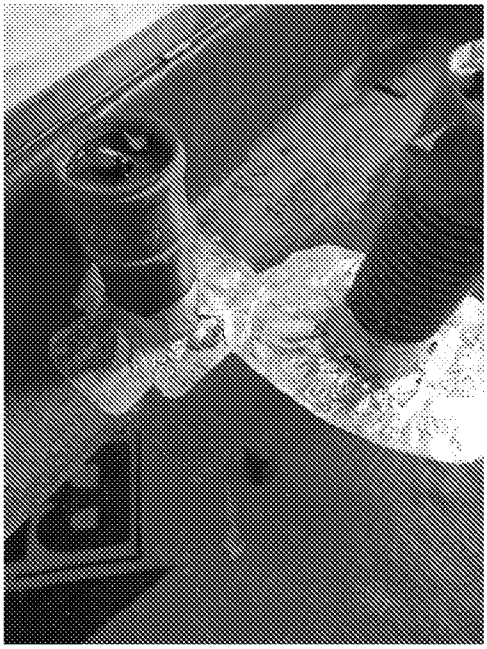
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Photograph	*Photograph Title*

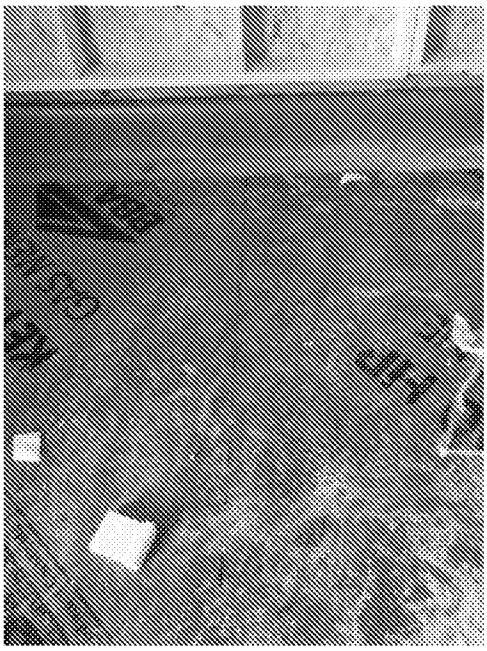
	Plot 27 services
	Plot 27 detail
	Plot 27 overview

	Plot 26 corner and service
	Plot 26 overview

	Plot 26 repair
	Plot 25 overview

	Plot 25 repairs
	Plot 25 services

	Plot 24 services
	Plot 24 detail

	Plot 24 membrane join

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close, Littlehampton
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	26/11/2020, 13:34
Site Engineer	

No users

Weather at time of inspection	Cool, cloudy dry
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential with garages
Plot No.	16-17
Foundation Type	Raft
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect. Fully sealed.
1.2 Gas membrane type	Red Keytec gas membrane
1.3 Gas membrane condition	Generally good condition. Any holes identified were patched during the visit.
Jointing tape product	Heat sealed joints.
1.5 Lapping design	Min 150mm overlap
1.6 Laps, welds and joints seals	Heat sealed joints with some tape patching.
1.7 Service seals	Services sealed with tape.

Engineer's Prelim Assessment (Mem)

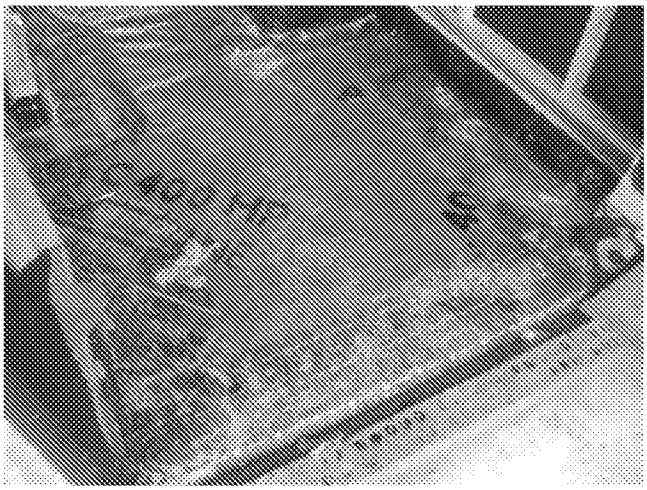
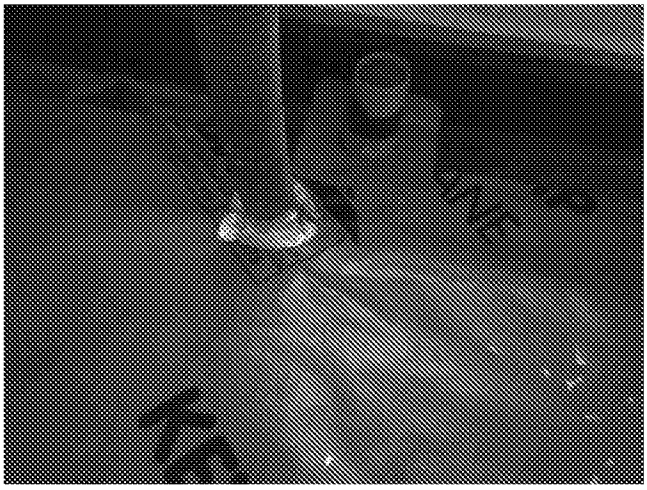
Pass

4. PHOTOGRAPHS

Photographs

(10 records)

Photograph	*Photograph Title*

	Plot 16 - threshold
	Plot 16 - service seals
	Plot 16 - under stairs

	Plot 16 - floor and corner
	Plot 16 - threshold
	Plot 17 - entrance

	Plot 17 - floor and service seal
	Plot 17 - under stairs
	Plot 17 - floor

	Plot 17 - floor and corner details

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	03/12/2020, 12:30
Site Engineer	
Katie O'Dea	[redacted]
Weather at time of inspection	Rainy, cold
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential
Plot No.	18-19 complete, 50-59 perimeters
Foundation Type	Raft
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Underside of 18-19 unable to inspect - sealed. Underside if 50-59 in good condition.
1.2 Gas membrane type	Red Keytec gas membrane
1.3 Gas membrane condition	Generally good condition. Perimeter 50-59 membrane held in pace with bricks to prevent wind damage.
Jointing tape product	Heat welded joints with some tape.
1.5 Lapping design	Minimum 150mm overlap
1.6 Laps, welds and joints seals	Heat welded joints with some tape. Al well sealed.
1.7 Service seals	Services well sealed in Plots 18-19. Plots 50-59 service seals in progress.

Engineer's Prelim Assessment (Mem)

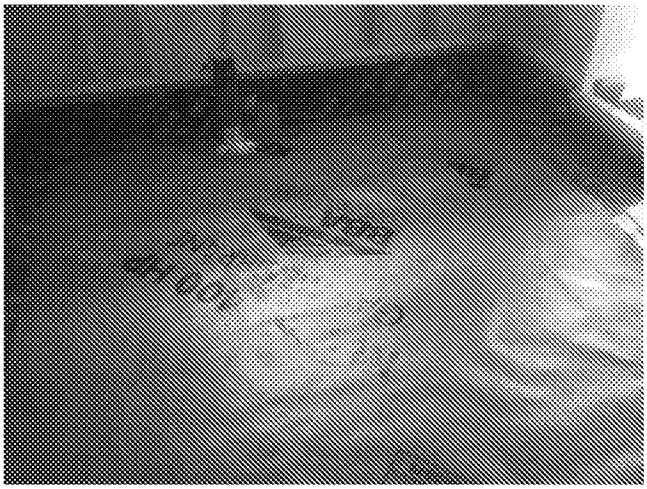
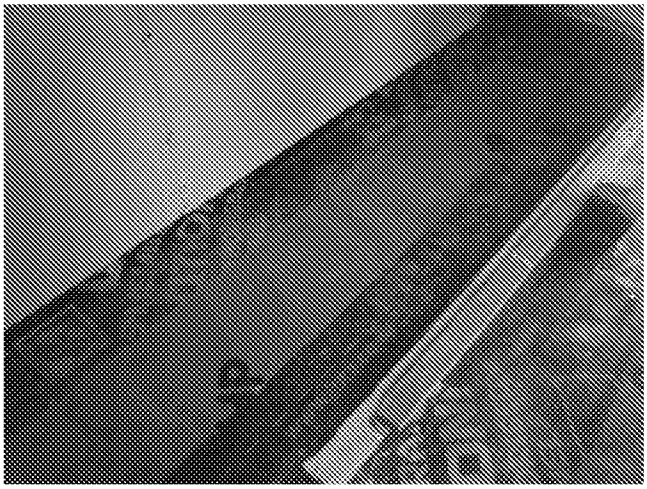
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4. PHOTOGRAPHS

Photographs

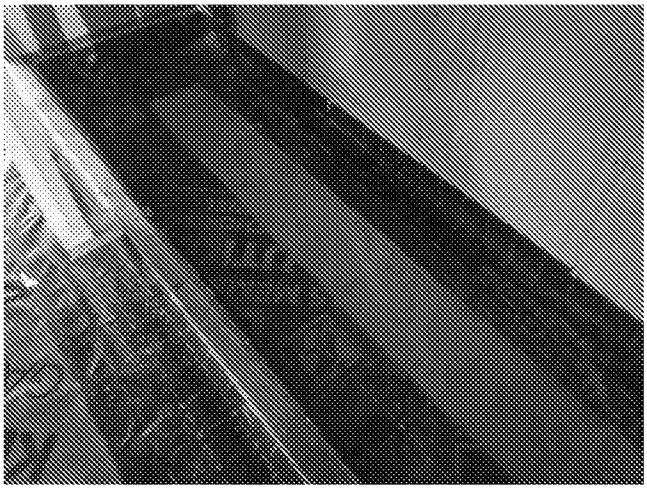
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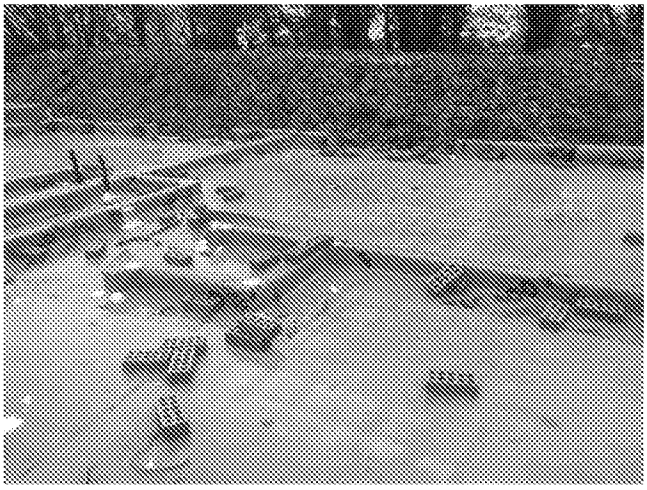
Photograph	*Photograph Title*

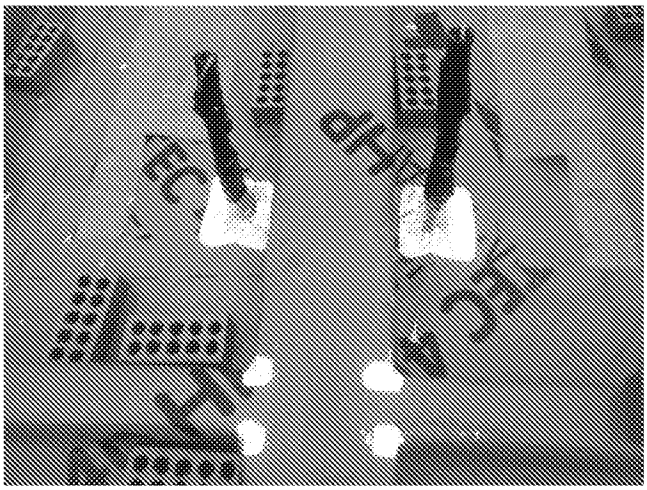
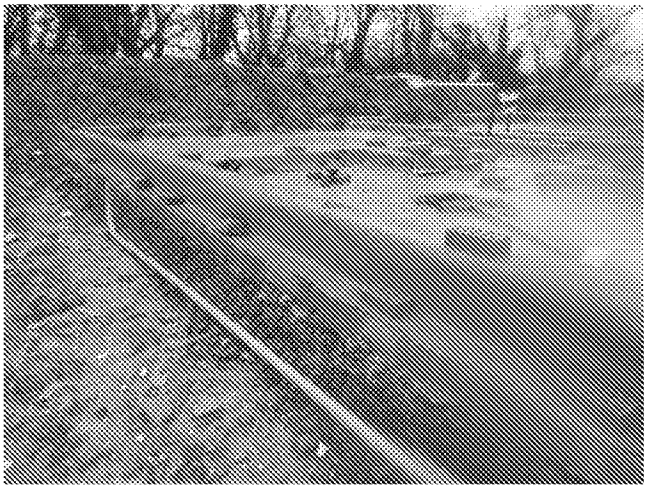
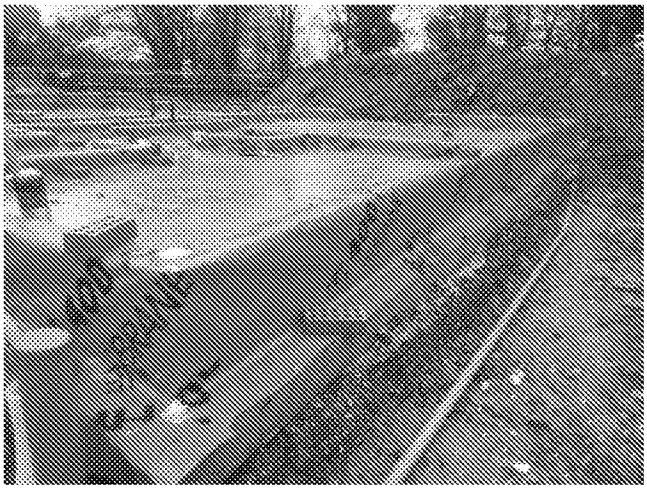
	Plot 18 - floor
	Plot 18 - under stairs
	Plot 18 - floor

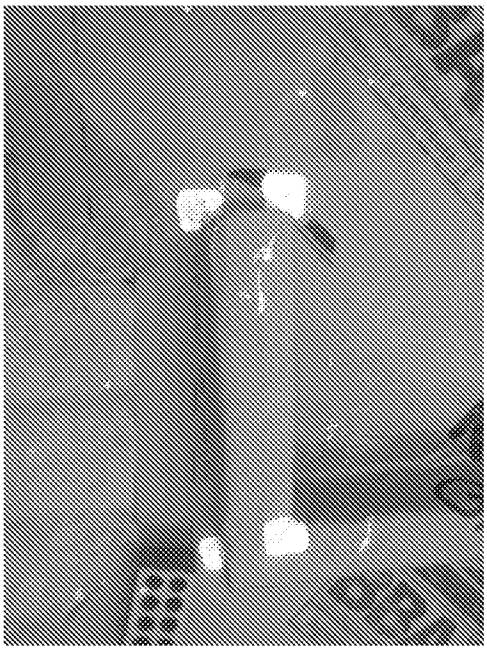
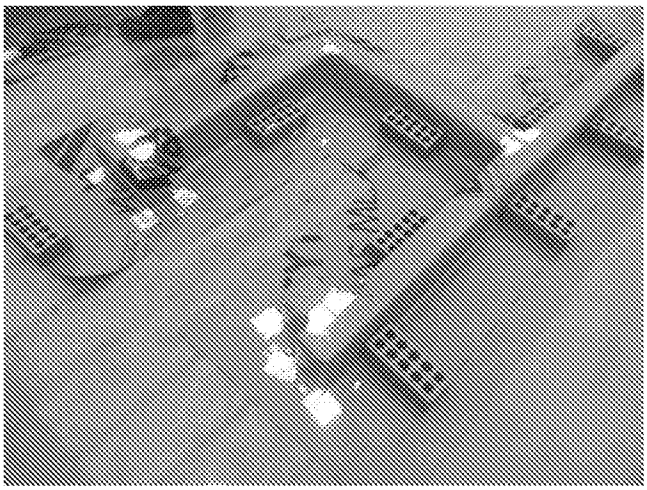
	Plot 18 - Threshold
	Plot 18 - Patching
	Plot 18 - service seal

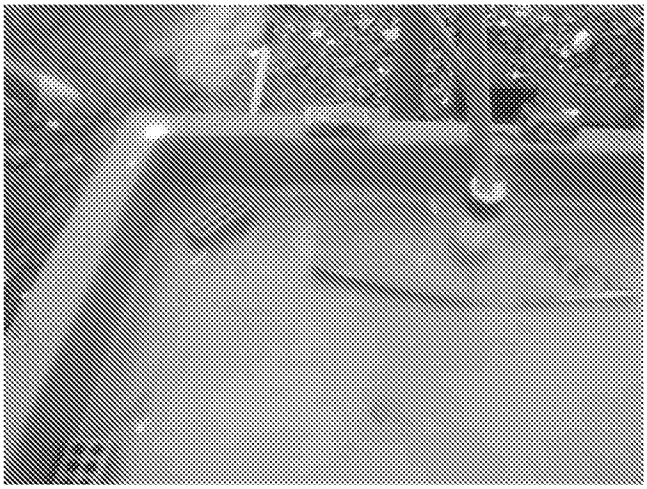
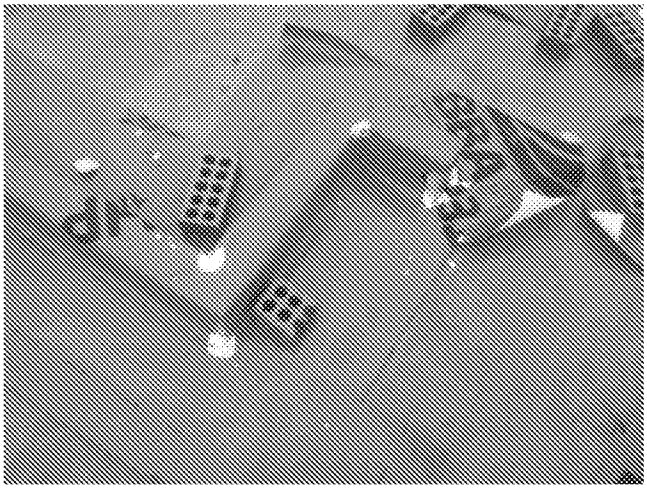
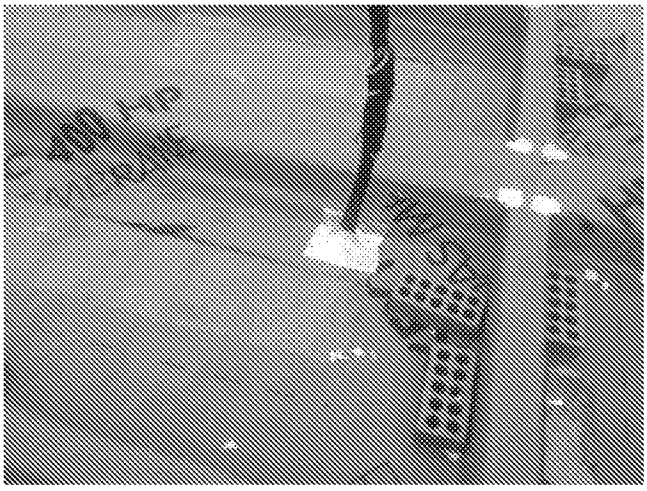
	Plot 19 - Floor
	Plot 19 - service seal
	Plot 19 - floor

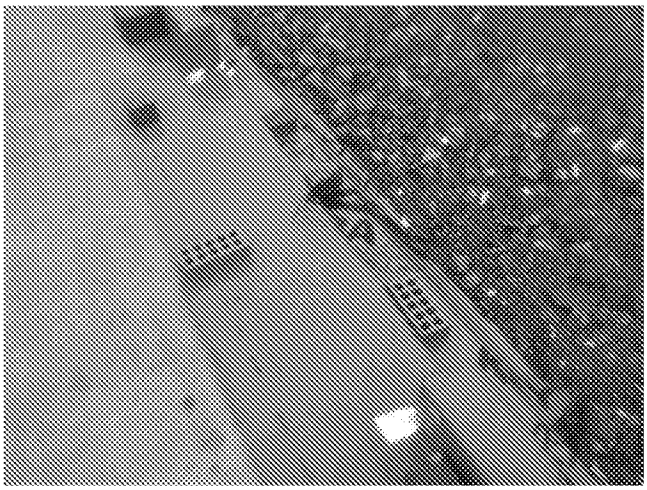
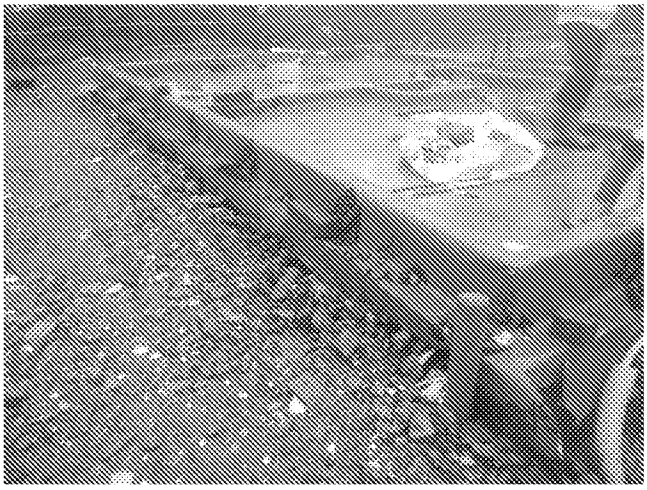
	Plot 19 - under stairs
	Plot 19 - Threshold
	Plot 19 - Floor

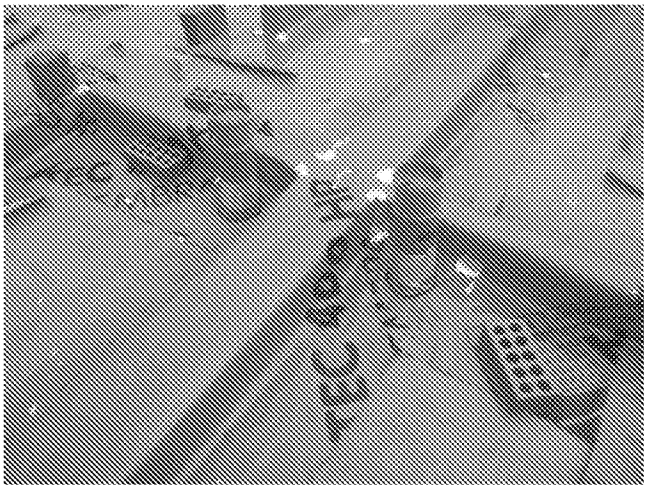
	Plot 50-51 perimeter
	Plot 50-51 - perimeter
	Plot 50-51 perimeter

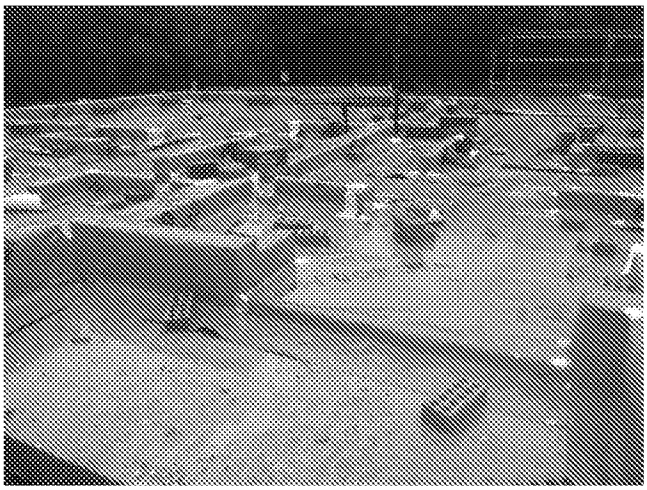
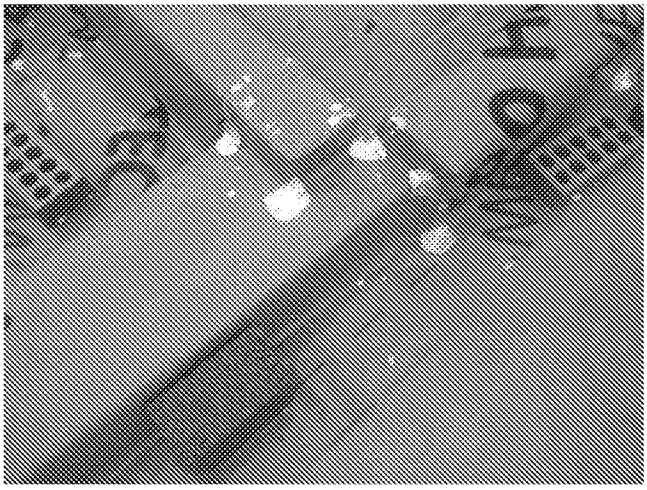
	Plot 50-51 service seals
	Plot 50-51 perimeter
	Plot 52-53 perimeter

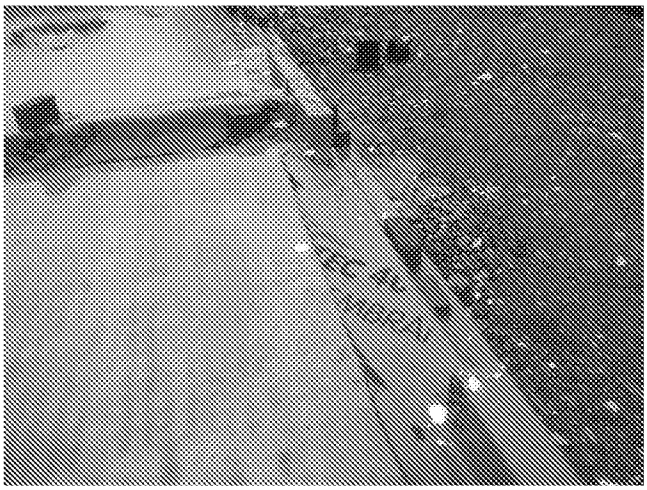
	Plot 52-53 perimeter corner detail
	Plot 52-53 perimeter
	Plot 52-53 perimeter

	Plot 52-53 perimeter services not yet sealed
	Plot 52-53 perimeter
	Plot 52-53 perimeter services sealed

	Plot 52-53 perimeter
	Plot 52-53 perimeter
	Plot 56-57 perimeter

	Plot 56-57 perimeter Service seals
	Plot 56-57 perimeter
	Plot 56-57 perimeter

	Plot 58-59 perimeter
	Plot 58-59 perimeter
	Plot 58-59 perimeter service seal

	Plot 58-59 perimeter Threshold

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	10/12/2020, 08:32
Site Engineer	
Tom Grace	[redacted]
Weather at time of inspection	Overcast with light rain, 8 degrees C.
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential semi-detached with private gardens.
Plot No.	20 - 21 complete
Foundation Type	Raft
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Concrete slab in good condition. Inspected roll of red Keytec gas membrane, new roll in good condition.
1.2 Gas membrane type	Red Keytec 400 HP gas membrane
1.3 Gas membrane condition	New rolls, good condition.
Jointing tape product	Heat welded joints with occasional tape
1.5 Lapping design	>150mm overlap
1.6 Laps, welds and joints seals	All neat and well sealed
1.7 Service seals	Services sealed correctly.

Engineer's Prelim Assessment (Mem)

Pass

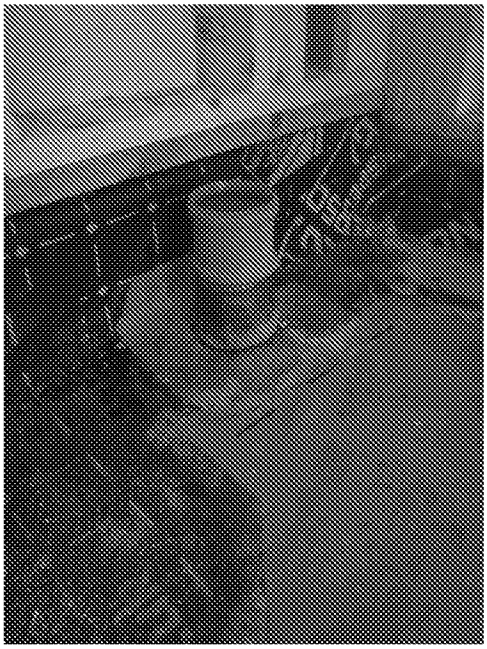
4. PHOTOGRAPHS

Photographs

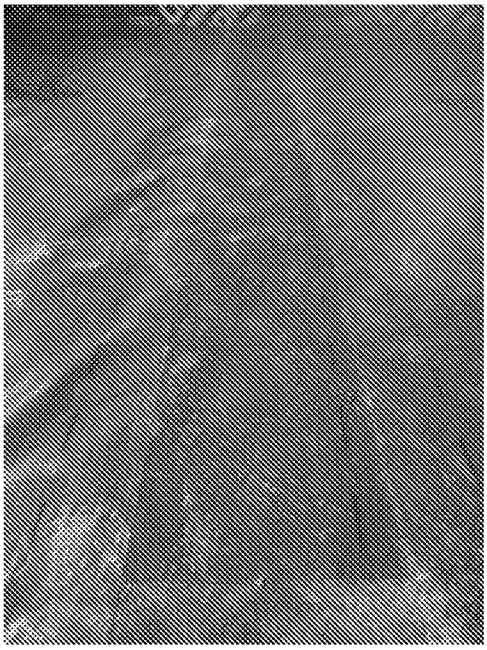
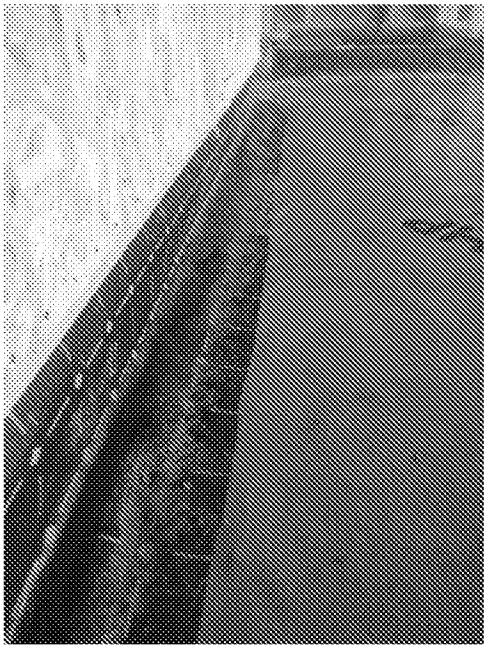
(17 records)

Photograph	*Photograph Title*

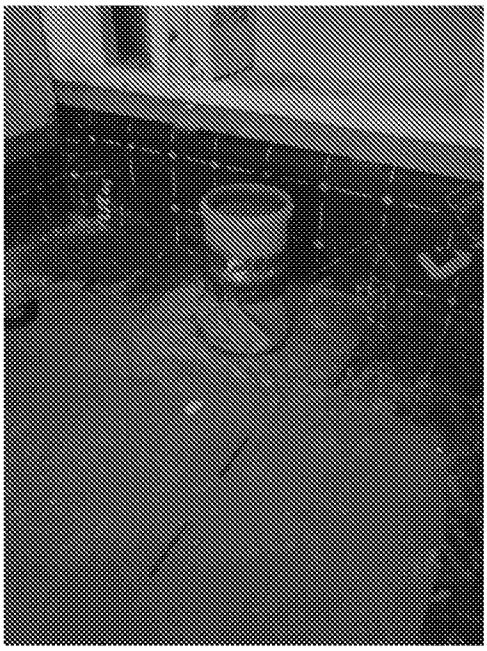
	Plot 20 prior to install. Concrete slab in good condition.
	Plot 21 prior to install concrete slab in good condition.

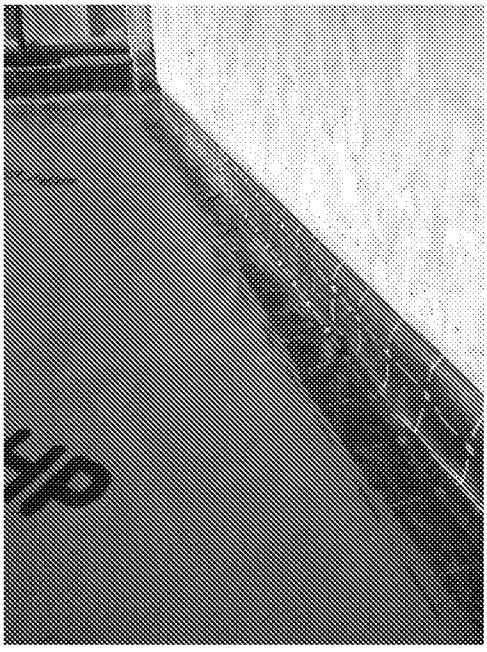
	Plot 20 - entrance
	Plot 20 - sealed foul outlet WC

	Plot 20 - sealed water in & foul outlet Kitchen
	Plot 20 - front of property all good.
	Plot 20 - rear of property all good.

	Plot 20 - all overlaps well jointed and sealed, >150mm overlap.
	Plot 20 - perimeter seals all good.

	Plot 20 - tape well sealed
	Plot 21 - entrance

	Plot 21 - foul outlet sealed WC
	Plot 21 - water in and foul outlet sealed Kitchen.
	Plot 21 - front of property all good.

	Plot 21 - rear of property all good.
	Plot 21 - all overlaps well jointed and sealed with >150mm overlap.
	Plot 21 - perimeter well sealed.

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	GE18103
Project No.	Cornfield Close
Client	Thakeham
Geo-Environmental Project Manager's Email	[redacted]
Date	17/12/2020, 12:35
Site Engineer	
Fiona Goode	[redacted]
Weather at time of inspection	Cool, slight breeze, dry
Gas Characteristic Situation	Characteristic Situation 3
Type of development and building/block checked	Semi-detached
Plot No.	22 and 23 (infills)
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect as sealed
1.2 Gas membrane type	Keytec 400 hp gas resistant membrane
1.3 Gas membrane condition	Generally in good condition
Jointing tape product	Heat sealed joins with some taping
1.5 Lapping design	At least 150mm
1.6 Laps, welds and joints seals	All heat sealed and well sealed
1.7 Service seals	Services sealed with site made seals, all well sealed

Engineer's Prelim Assessment (Mem)

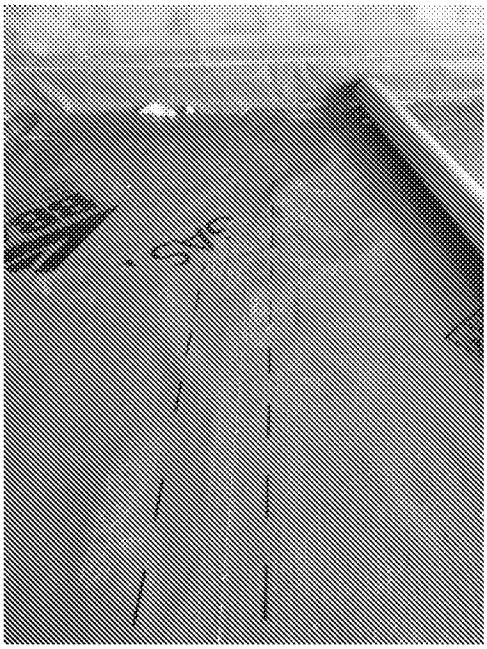
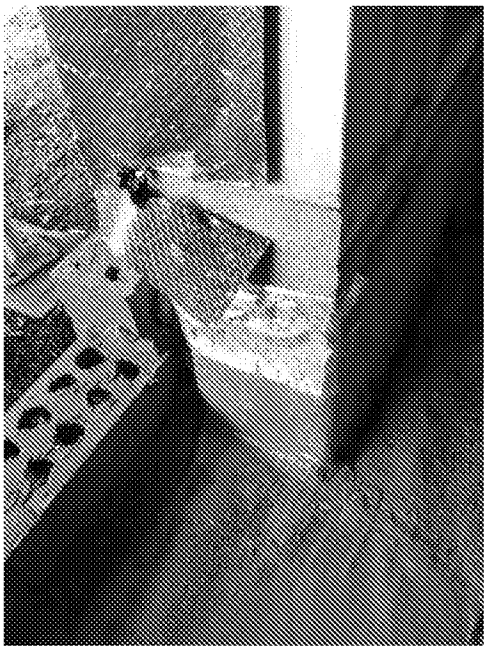
Pass

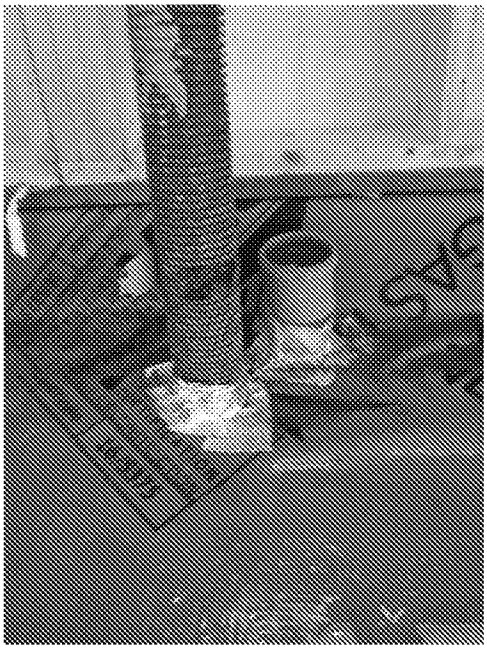
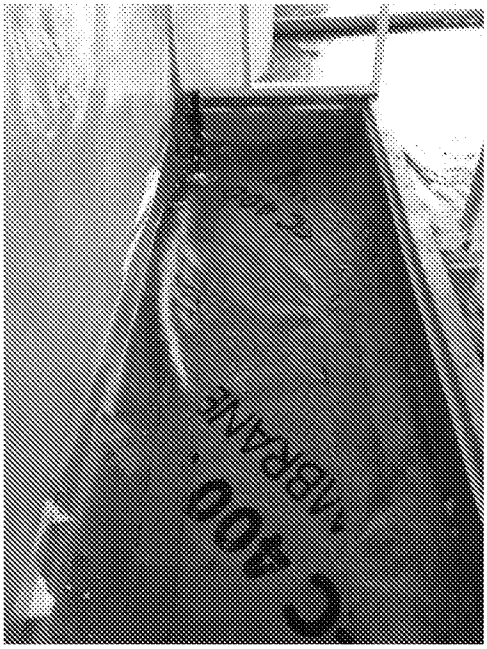
4. PHOTOGRAPHS

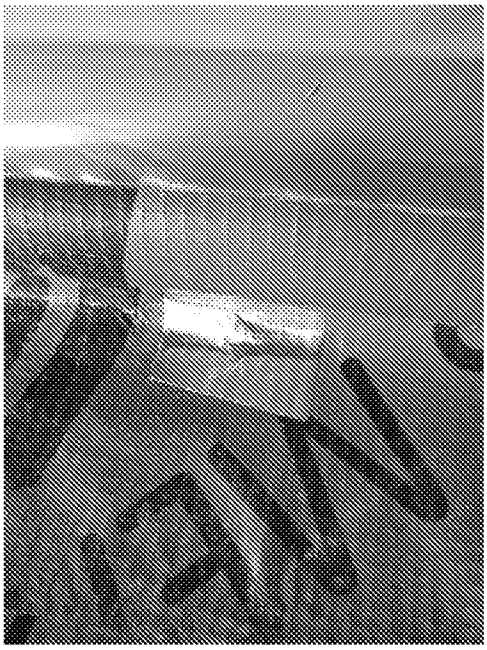
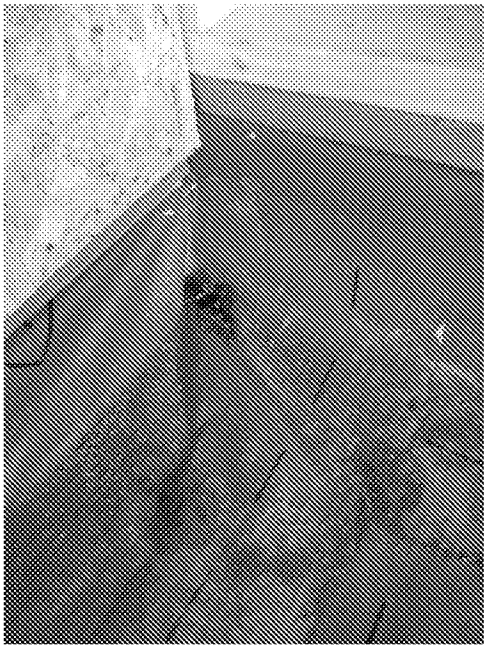
Photographs

(10 records)

Photograph	*Photograph Title*

	Plot 22 overview
	Plot 22 membrane joins
	Plot 22 patch repair

	Plot 22 services
	Plot 22 understair detail

	Plot 23 patch repair
	Plot 23 corner detail

	Plot 23 overview
	Plot 23 membrane joins

	Plot 23 services

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close, Littlehampton
Project No.	GE18103
Client	Thakeham
Geo-Environmental Project Manager's Email	[redacted]
Date	21/01/2021, 11:32
Site Engineer	

No users

Weather at time of inspection	Dry, cool.
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential and garages
Plot No.	Plots 47-49
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Membrane fully sealed, unable to see underside.
1.2 Gas membrane type	Black gas membrane
1.3 Gas membrane condition	Surface muddy due to foot traffic in bad weather. Some leaves and debris on surface as plots not fully roofed and without windows. Otherwise in good condition. Any holes patched during site visit.
Jointing tape product	Heat welded joints.
1.5 Lapping design	Min 150mm
1.6 Laps, welds and joints seals	All in good condition.
1.7 Service seals	Service seals in good condition.

Engineer's Prelim Assessment (Mem)

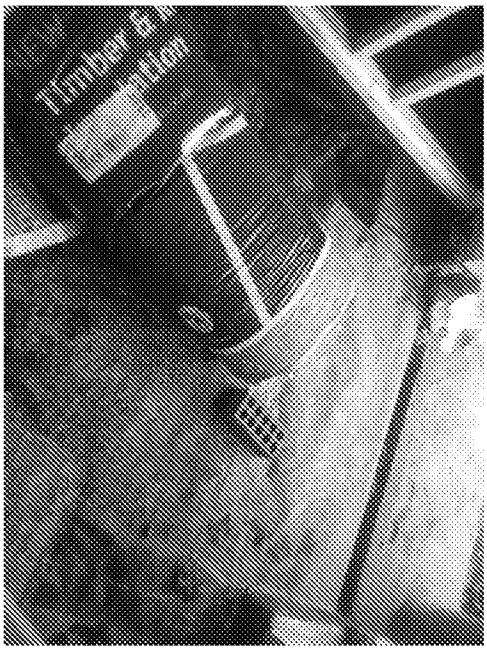
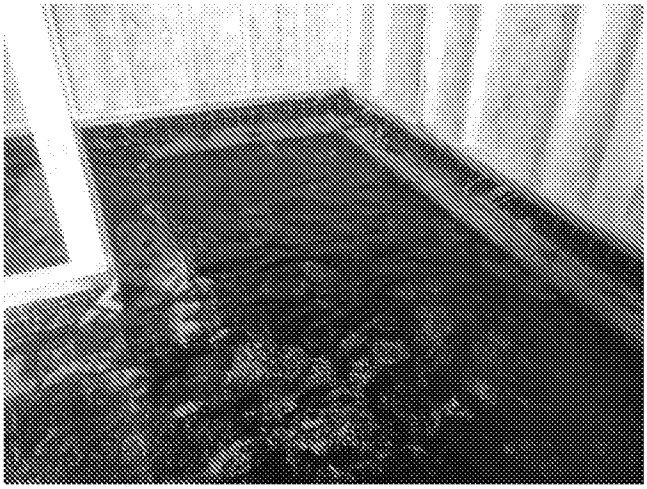
Pass

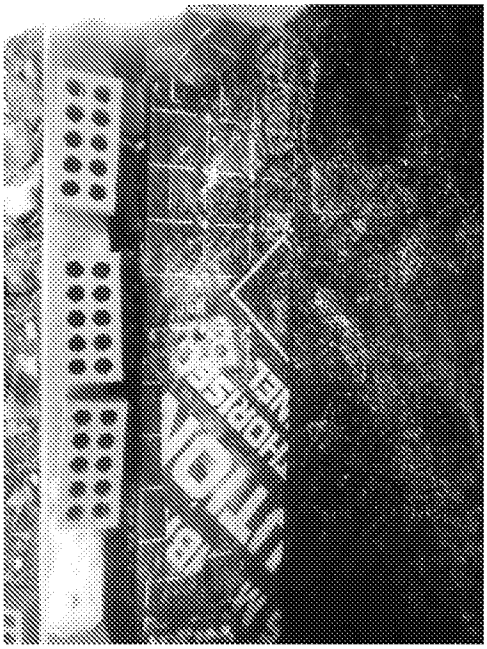
4. PHOTOGRAPHS

Photographs

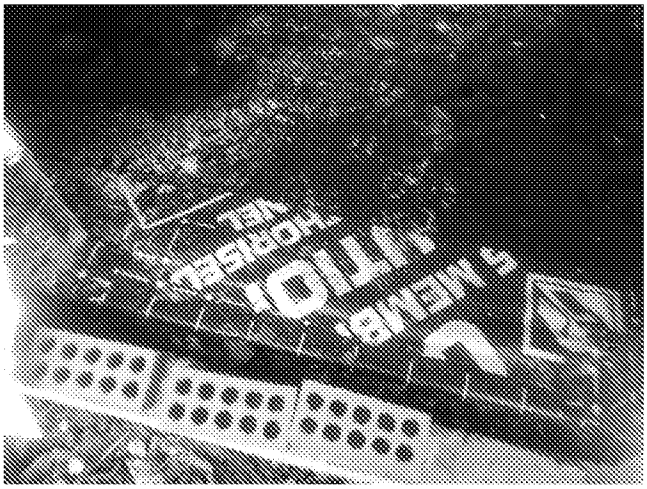
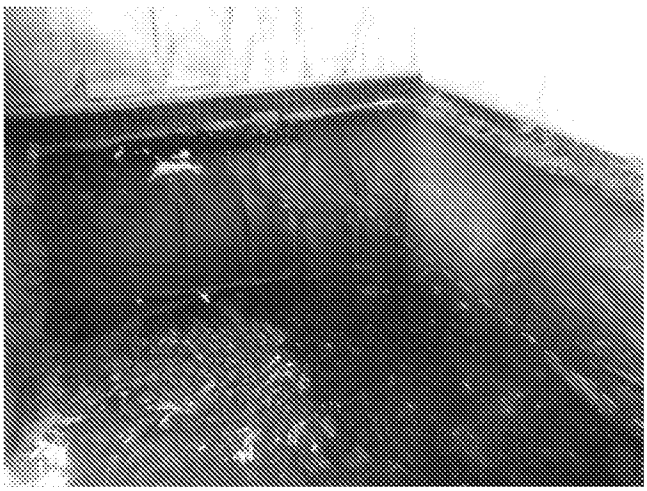
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Photograph	*Photograph Title*

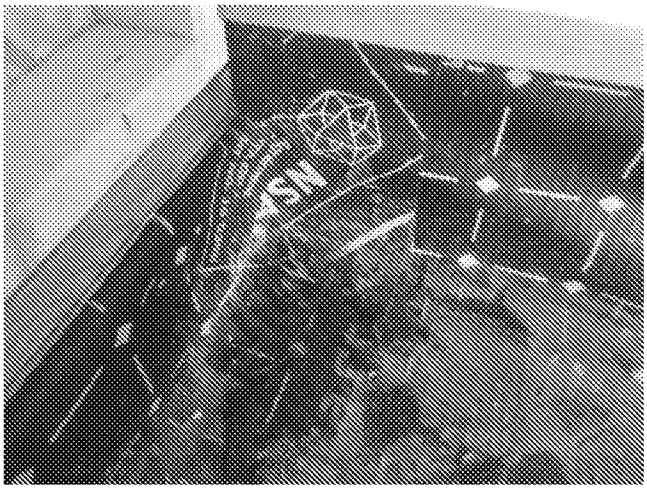
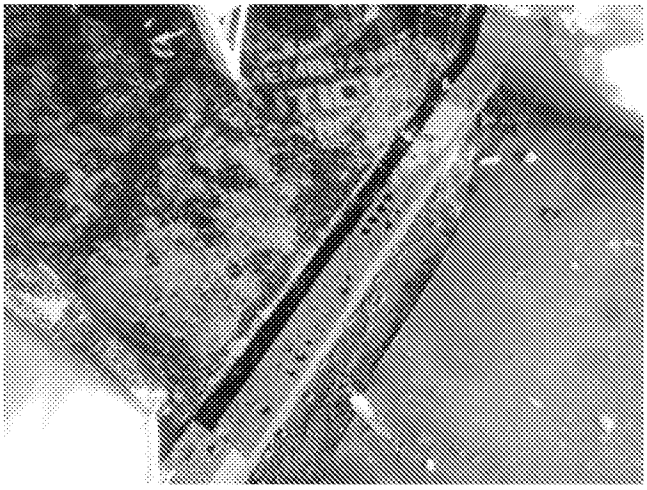
	Plot 49 entrance. Undergoing insulation.
	Plot 49 floor.
	Plot 49 floor and service seal.

	Plot 49 floor.
	Plot 49 Threshold.
	Plot 49 patching.

	Plot 48 floor.
	Plot 48 under stairs and service seal.
	Plot 48 hallway.

	Plot 48 floor.
	Plot 48 threshold.
	Plot 47 floor.

	Plot 47 under stairs.
	Plot 47 service seals.
	Plot 47 floor.

	Plot 47 corner detail.
	Plot 47 Threshold
	Plot 47 patching.

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	26/01/2021, 09:38
Site Engineer	
Katie Brayne	[redacted]
Weather at time of inspection	Light rain, overcast.
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential and garages
Plot No.	Block A (60 +61) 44, 45, 46
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Membrane fully sealed, underside appears to have been sweeped.
1.2 Gas membrane type	Red gas membrane.
1.3 Gas membrane condition	60 and 61 selotex laid, lifted to inspect below.
Jointing tape product	Heat welded.
1.5 Lapping design	150mm minimum
1.6 Laps, welds and joints seals	All in very good condition.
1.7 Service seals	Sealed satisfactory.

Engineer's Prelim Assessment (Mem)

Pass

4. PHOTOGRAPHS

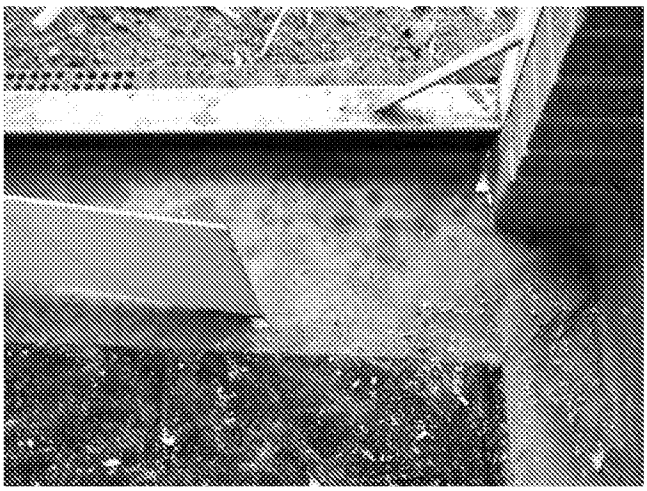
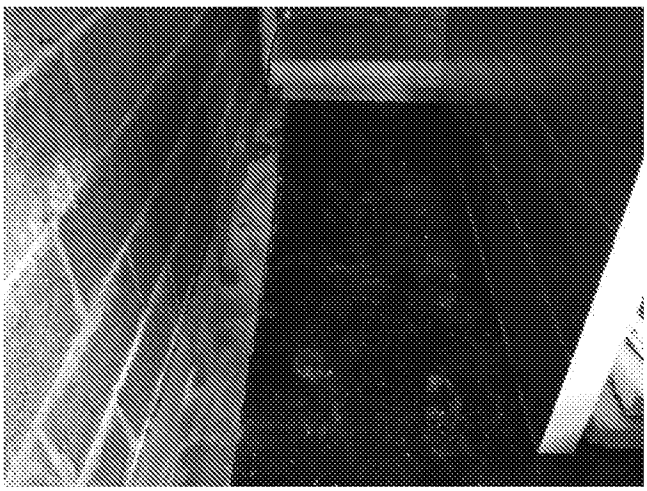
Photographs

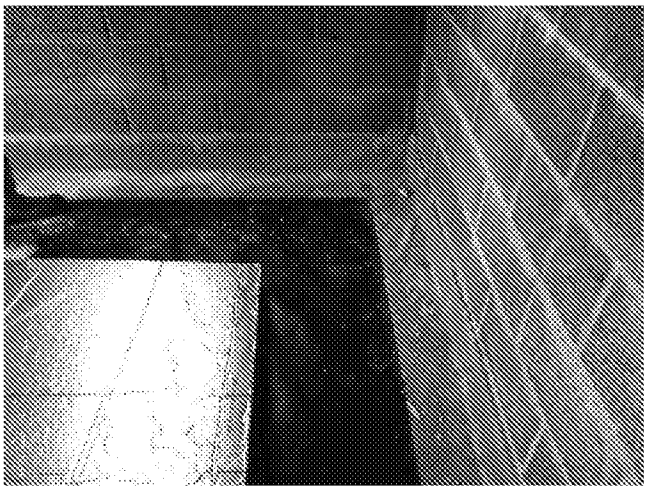
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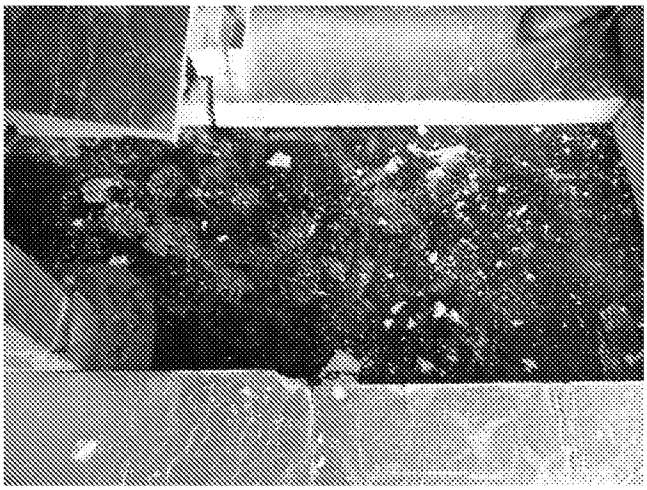
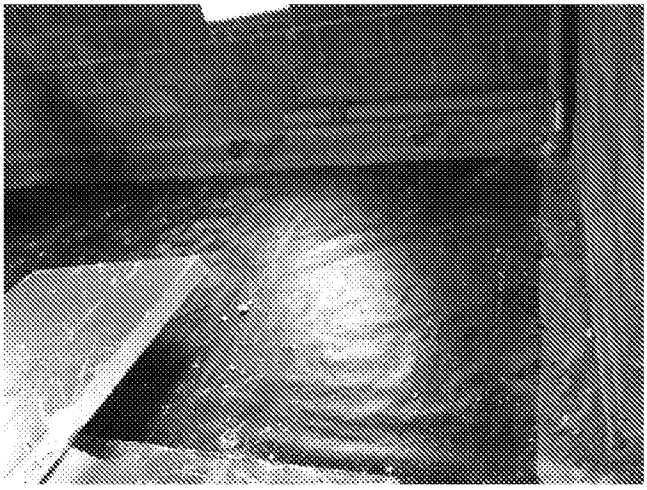
Photograph	*Photograph Title*

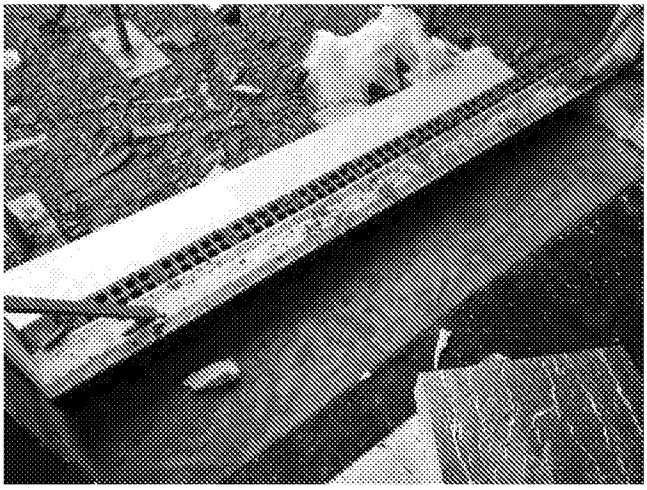
	60 bathroom
	60 lounge
	60 lounge

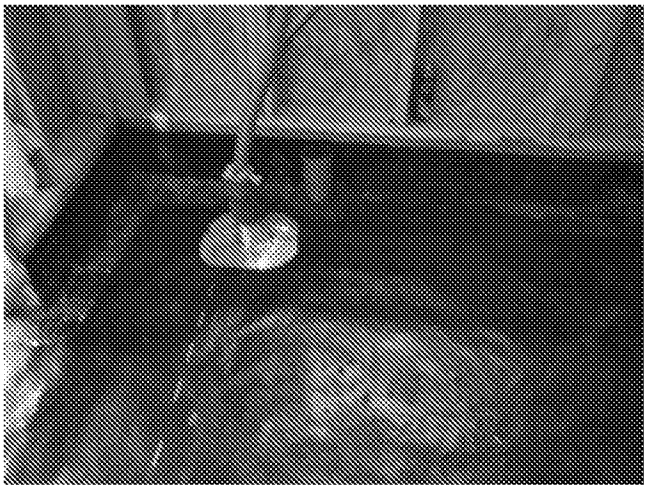
	60 lounge
	60 kitchen
	

	Service sealed and laped.
	Laped patio.
	60 kitchen diner.

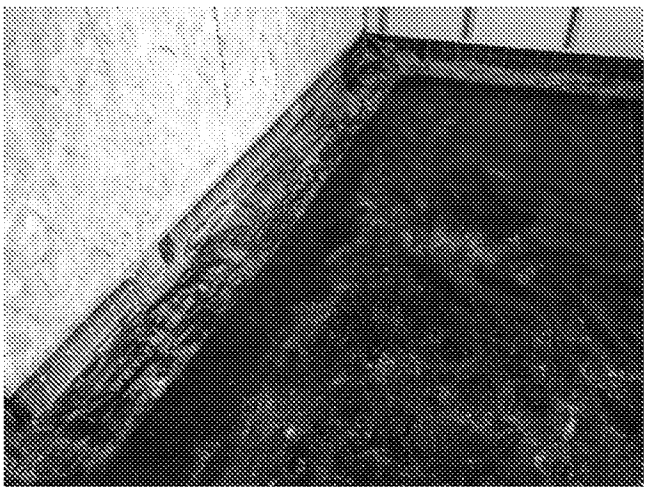
	60 Kitchen diner.
	61
	61

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	61
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	61

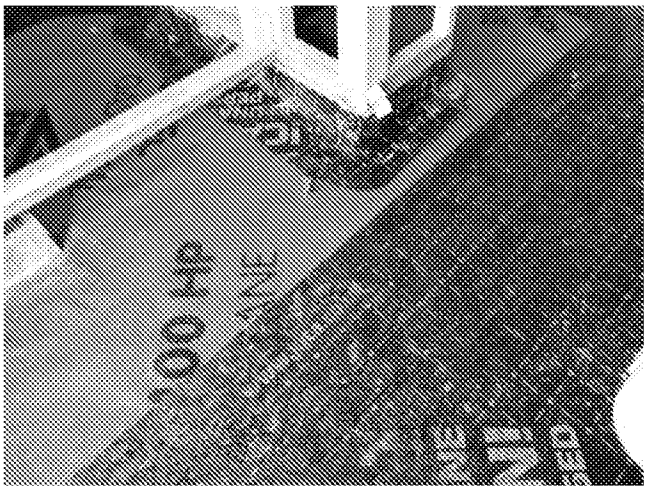
	44
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	46
	46
	46

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	46
	46

	Nail under walkway. Plot 46 fail.

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	11/02/2021, 14:04
Site Engineer	
Fiona Goode	[redacted]
Weather at time of inspection	Cold, overcast, breezy
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Semi-detached houses
Plot No.	Plot 50 - 53
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect as sealed
1.2 Gas membrane type	Black unbranded juta GP1 gas resistant membrane
1.3 Gas membrane condition	Membrane in very good condition well swept
Jointing tape product	Heat sealed double sided tape
1.5 Lapping design	At least 150mm overlap
1.6 Laps, welds and joints seals	Heat sealed, all well sealed
1.7 Service seals	Site made seals, well sealed

Engineer's Prelim Assessment (Mem)

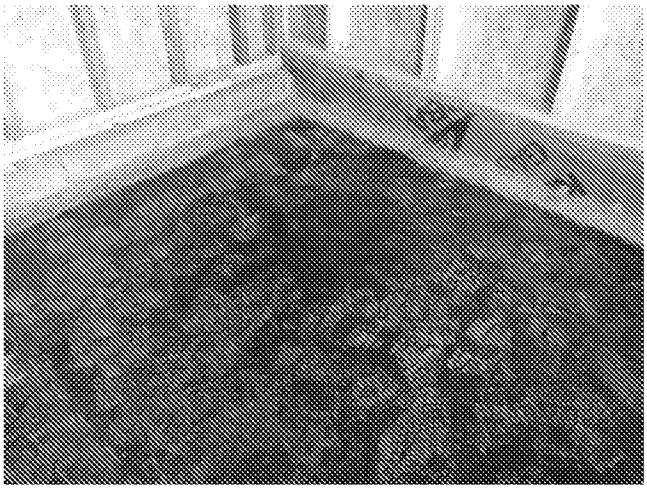
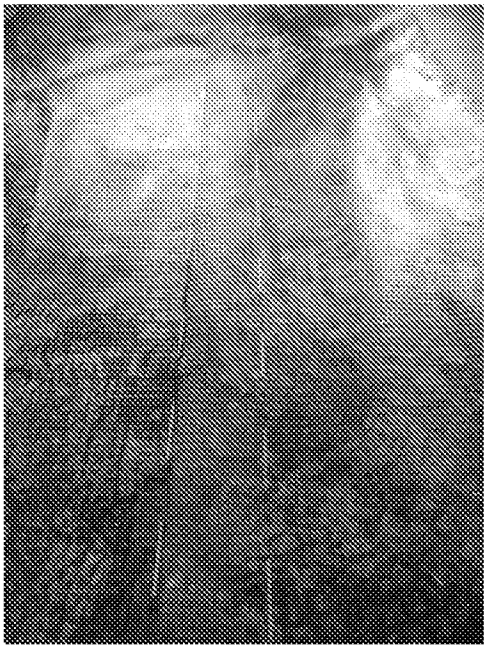
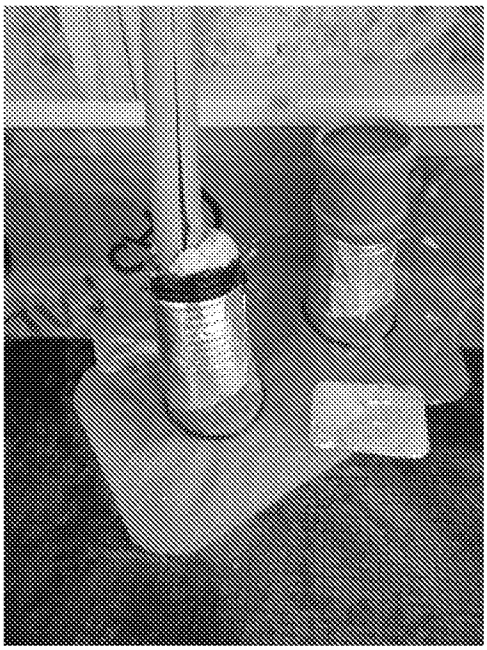
Pass

4. PHOTOGRAPHS

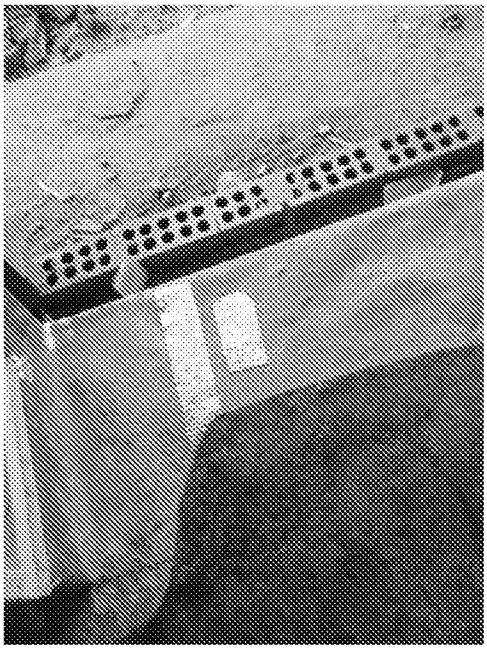
Photographs

(14 records)

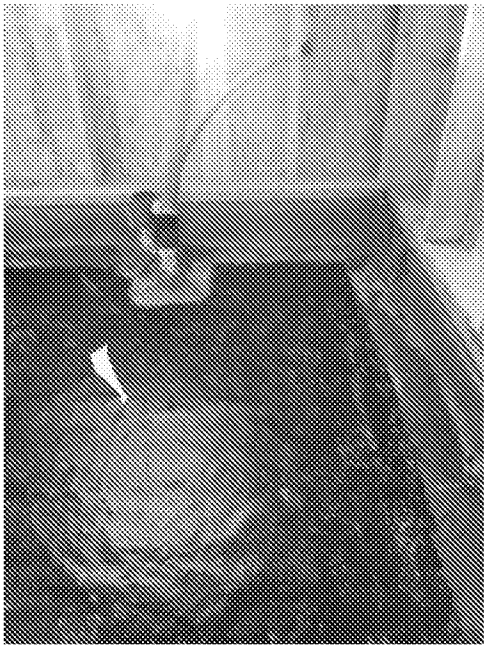
Photograph	*Photograph Title*

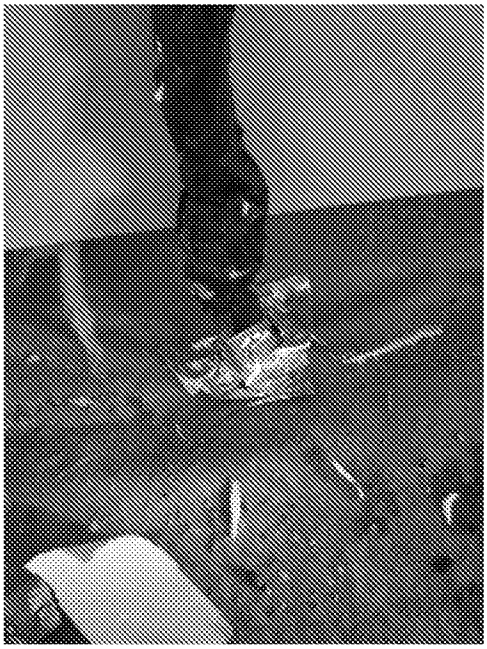
	Plot 50 overview
	Plot 50 joins
	Plot 50 services

	Plot 50
	Plot 51

	Plot 51 services
	Plot 51 overview
	Plot 51 repairs

	Plot 52
	Plot 52 overview

	Plot 52 patch repair
	Plot 53

	Plot 53 joins
	Plot 53 service seal

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close, Littlehampton
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	25/02/2021, 11:39
Site Engineer	

No users

Weather at time of inspection	Dry, cloudy, mild
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential
Plot No.	Plots 54-57
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect, membrane fully sealed.
1.2 Gas membrane type	Red Keytec gas membrane.
1.3 Gas membrane condition	Gas membrane generally in good condition. Any holes identified were repaired during the site visit.
Jointing tape product	Heat welded joints.
1.5 Lapping design	Min 150mm overlap.
1.6 Laps, welds and joints seals	All in good condition.
1.7 Service seals	Service seals all in good condition.

Engineer's Prelim Assessment (Mem)

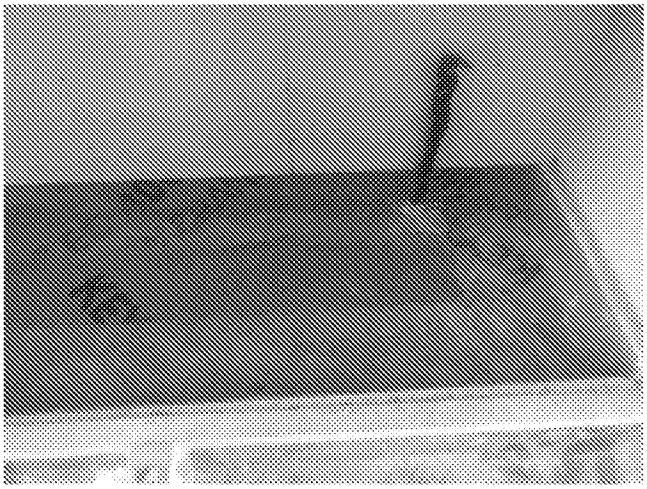
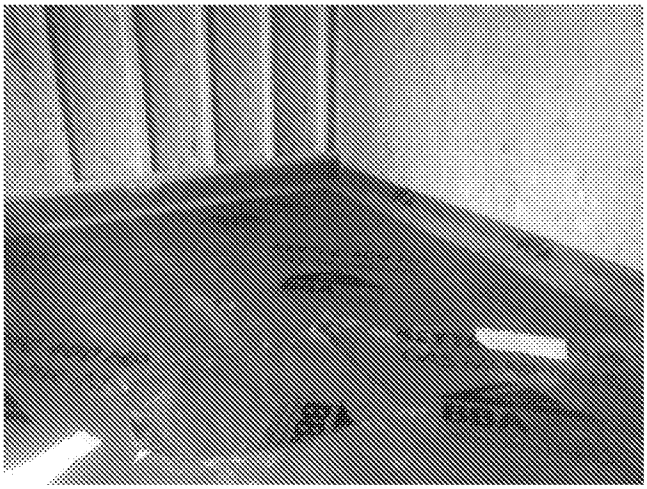
Pass

4. PHOTOGRAPHS

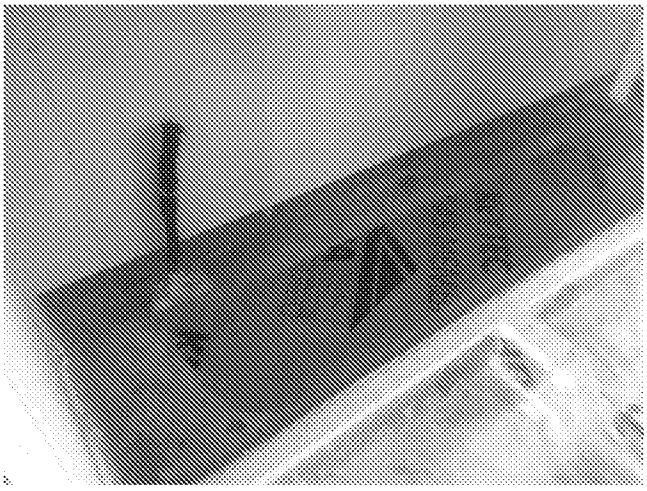
Photographs

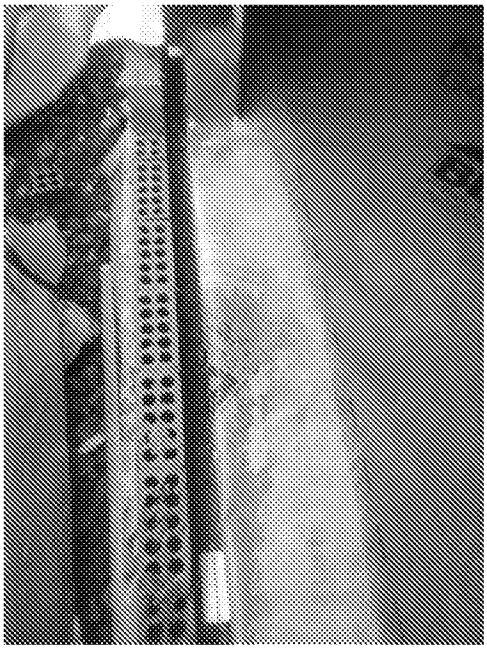
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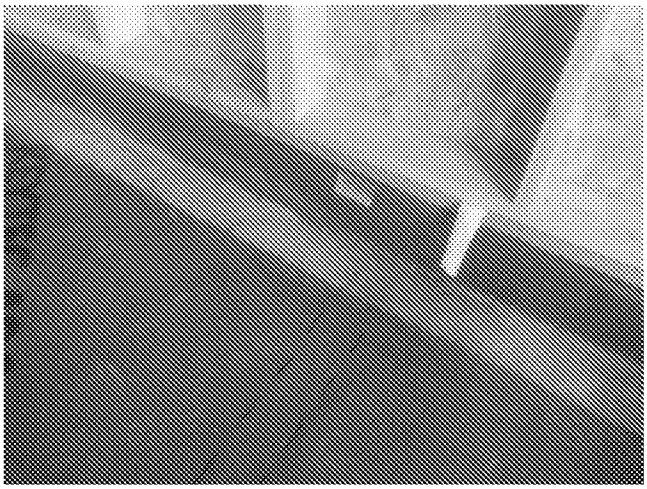
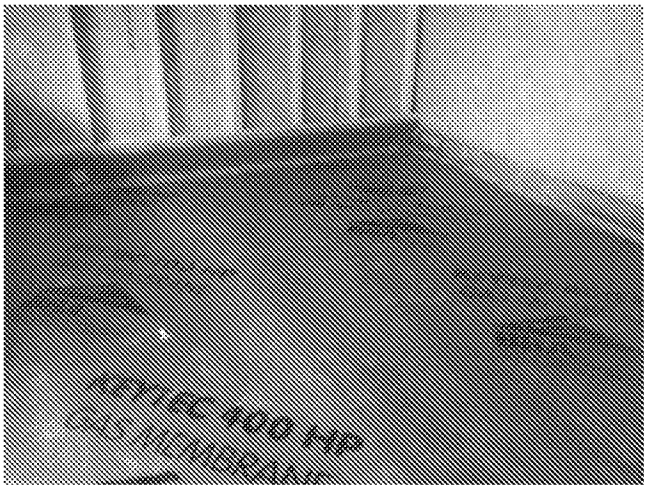
Photograph	*Photograph Title*

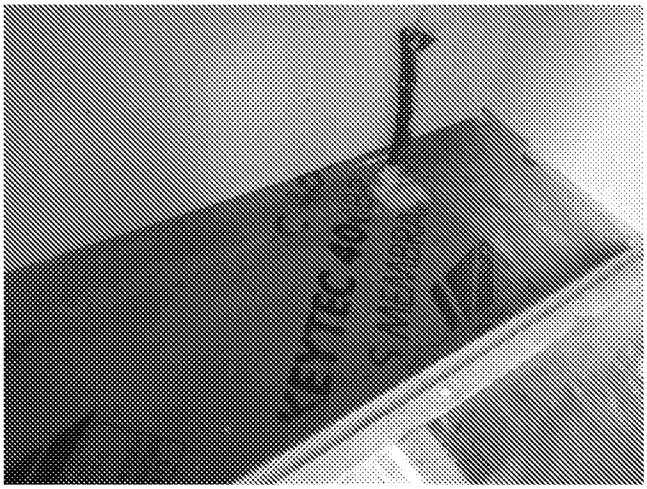
	Plot 54 entrance
	Plot 54 under stairs
	Plot 54 floor

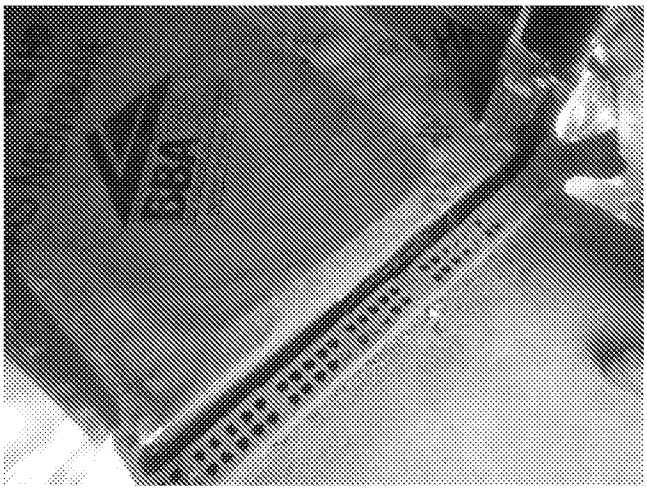
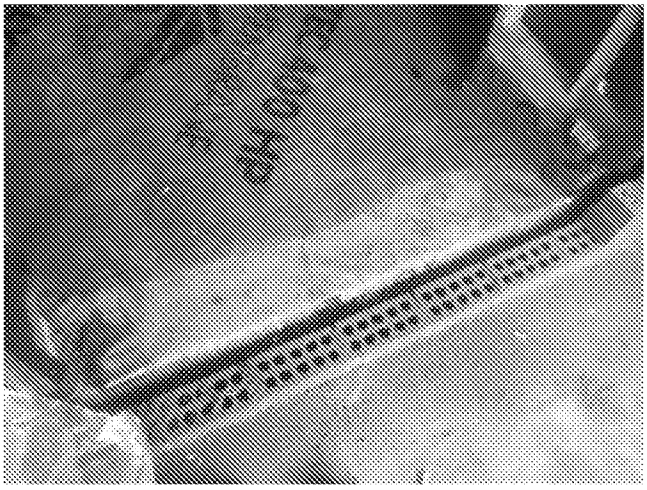
	Plot 54 threshold
	Plot 54 corner detail
	Plot 55 entrance

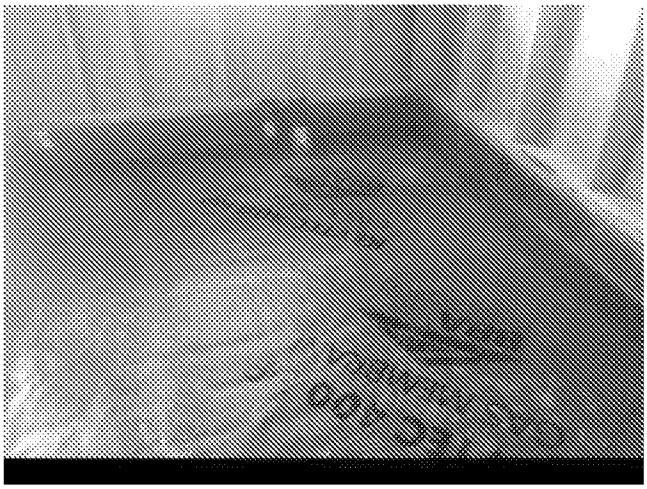
	Plot 55 service seal
	Plot 55 floor
	Plot 55 under stairs

	Plot 55 floor
	Plot 55 floor and threshold
	Plot 55 threshold

	Plot 55 patch repair
	Plot 56 threshold
	Plot 56 floor

	Plot 56 under stairs
	Plot 56 service seals
	Plot 56 floor

	Plot 56 threshold
	Plot 57 threshold
	Plot 57 service seals

	Plot 57 floor and service seals
	Plot 57 under stairs
	Plot 57 threshold

	Plot 57 floor and patching underway

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham Homes
Geo-Environmental Project Manager's Email	[redacted]
Date	11/03/2021, 13:36
Site Engineer	
Katie O'Dea	[redacted]
Weather at time of inspection	Sunny, cool, windy
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Residential
Plot No.	58-59
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	.
1.2 Gas membrane type	.
1.3 Gas membrane condition	.
Jointing tape product	.
1.5 Lapping design	.
1.6 Laps, welds and joints seals	.
1.7 Service seals	.

Engineer's Prelim Assessment (Mem)

Pass

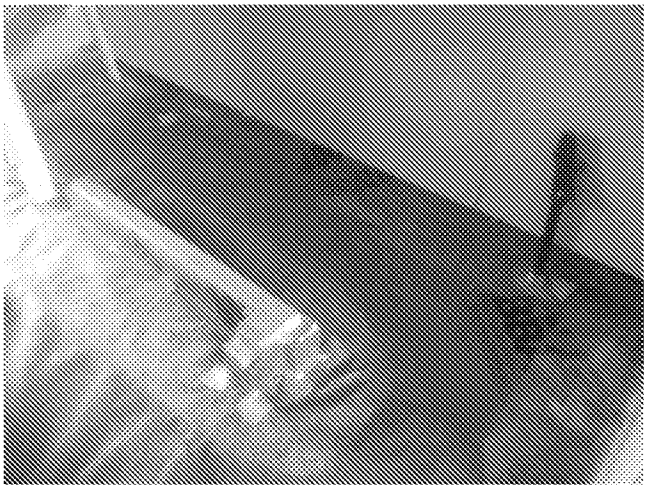
4. PHOTOGRAPHS

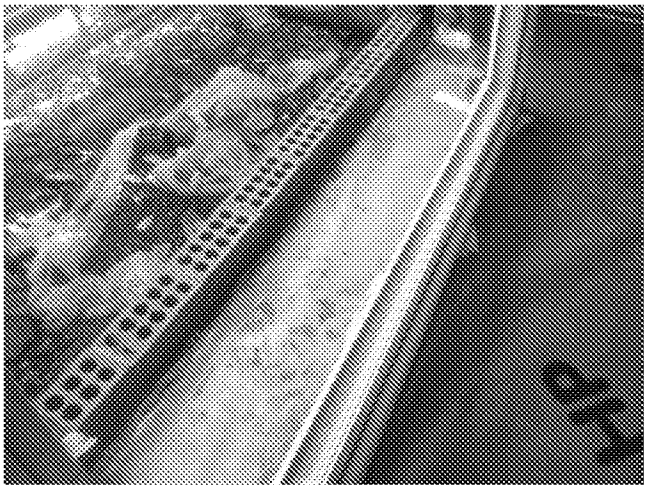
Photographs

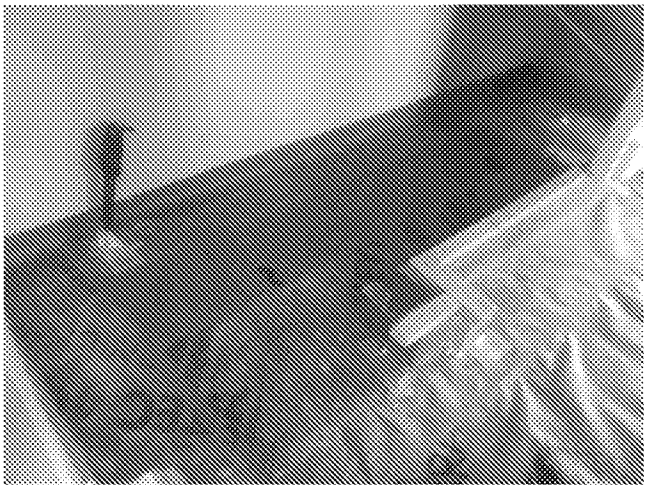
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Photograph	*Photograph Title*

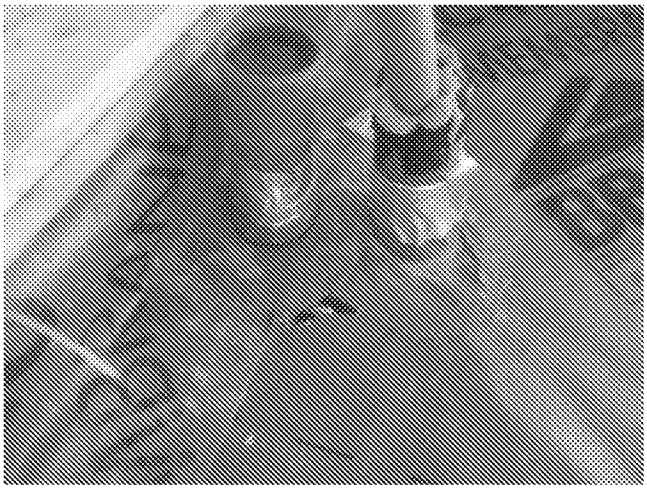
	Plot 58
	Plot 58 floor and service seal
	

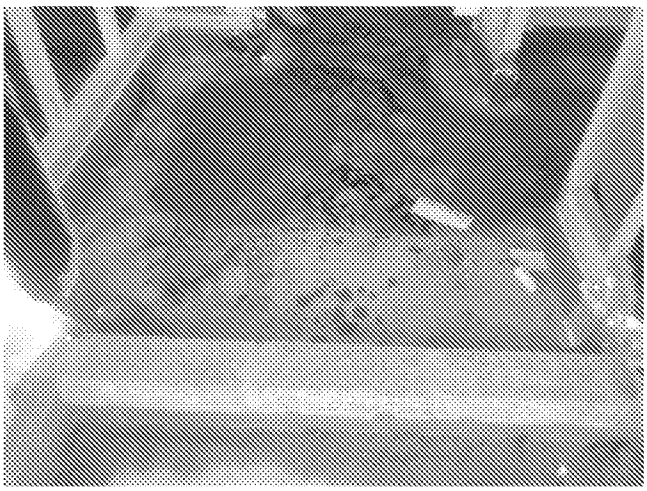
	Plot 58 under stairs
	Plot 58 floor
	Plot 58 Threshold

	Plot 58 patch repair
	Plot 59
	







5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Geo-Environmental

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham
Geo-Environmental Project Manager's Email	[redacted]
Date	17/03/2021, 10:39
Site Engineer	
Fiona Goode	[redacted]
Weather at time of inspection	Dry, cool, breezy
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Flats
Plot No.	Block A and Block B
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

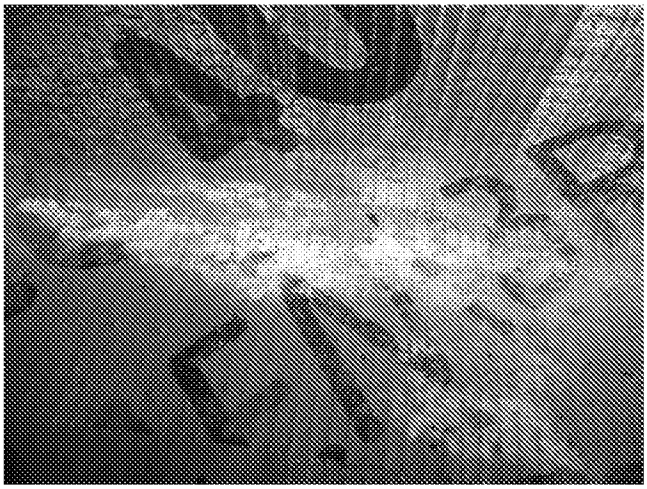
1.1 Condition of sub-grade and underside of membrane	Unable to inspect as sealed
1.2 Gas membrane type	Keytec 400 gas resistant membrane
1.3 Gas membrane condition	Block B - Main floor area generally clear however membrane did require sweeping. Materials were being stored on top of membrane in stairwell and a lot of rubble and debris on membrane in the smaller rooms Block A membrane needs clearing and materials being stored on it
Jointing tape product	Heat sealed joins mainly welded some heat sealed taped joins
1.5 Lapping design	At least 150mm overlap
1.6 Laps, welds and joints seals	All heat sealed joins. Block B - A large number of patch repairs are required Block A - seal around stairs is not sufficient
1.7 Service seals	Services sealed with site made seals, all well sealed
Engineer's Prelim Assessment (Mem)	
Remedial Measures Required	

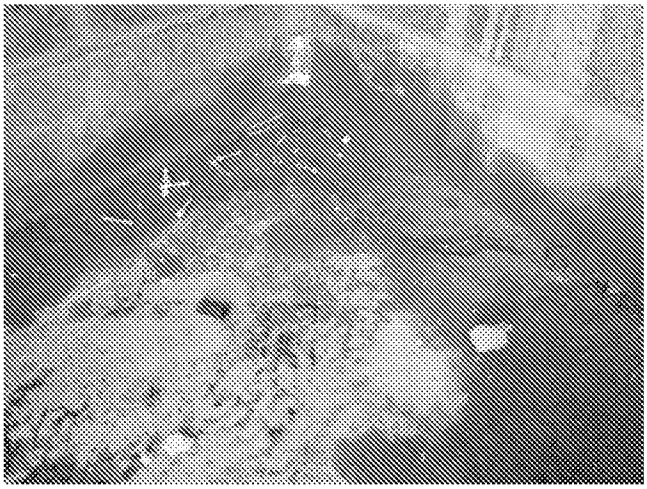
4. PHOTOGRAPHS

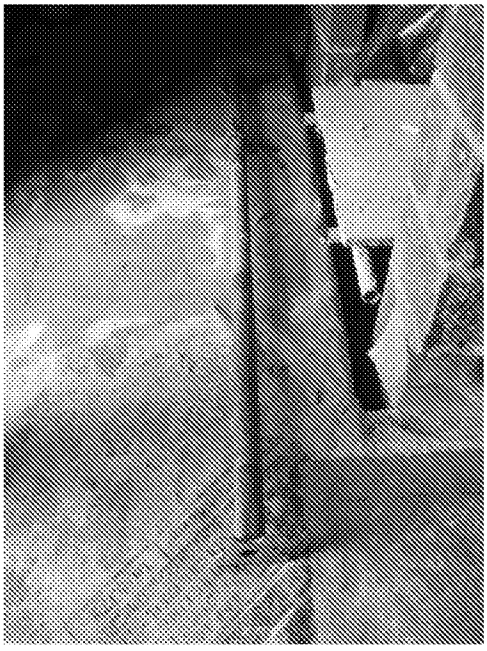
Photographs

(15 records)

Photograph	*Photograph Title*
	Block B overview
	Block B membrane joins
	Block B patch repairs

	Block B damage
	Block B damage
	Block B materials stored

	Block B materials
	Block B
	Block B understairs

	Block B damage
	Block B
	Block A stairs

	Block A not sealed
	Block A
	Bock A materials

5. PASS/FAIL

The gas protection measures inspected:

Details of issues

Approved by

No users

Date

Project Name	Cornfield Close
Project No.	GE18103
Client	Thakeham
Geo-Environmental Project Manager's Email	[redacted]
Date	
Site Engineer	
Fiona Goode	[redacted]
Weather at time of inspection	Cool, breezy, sunny
Gas Characteristic Situation	Characteristic Situation 2
Type of development and building/block checked	Flats
Plot No.	Block A and B
Foundation Type	Suspended
Gas Protection Type	Passive
What is being inspected	[ ] Venting [X] Membrane [ ] Venting and Membrane

1. MEMBRANE

1.1 Condition of sub-grade and underside of membrane	Unable to inspect as sealed
1.2 Gas membrane type	Keytec gas resistant 400 hp membrane
1.3 Gas membrane condition	Generally in good condition, insulation board laid over walkways to protect membrane
Jointing tape product	Double sided heat sealed butyle tape and liquid membrane on concrete stairs
1.5 Lapping design	At least 150mm overlap
1.6 Laps, welds and joints seals	All heat sealed joins and well sealed. Patch repairs over areas of membrane that had been installed as part of the timber frame construction and therefore exposed for sometime
1.7 Service seals	Site made seals, well sealed

Engineer's Prelim Assessment (Mem)

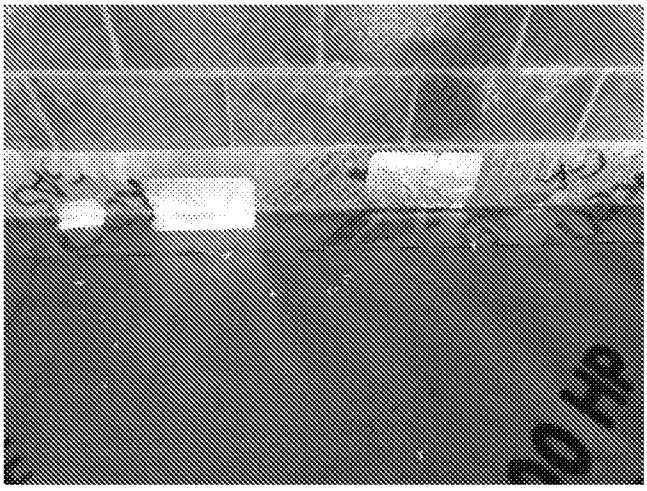
Pass

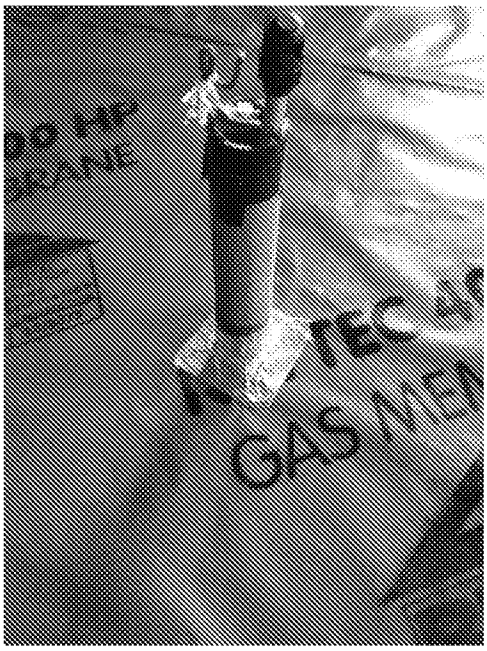
4. PHOTOGRAPHS

Photographs

(15 records)

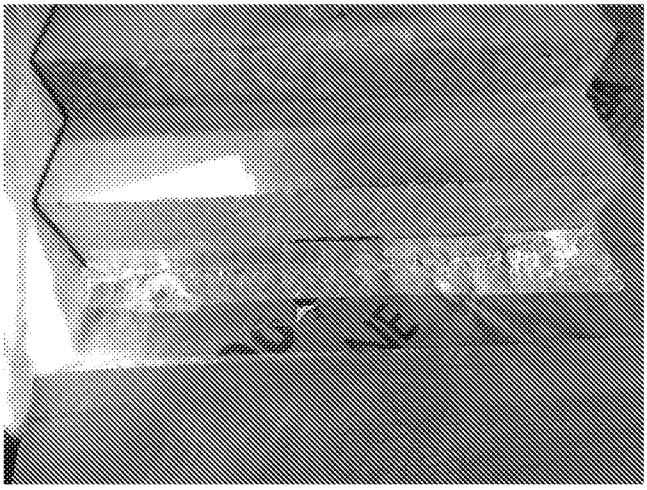
Photograph	*Photograph Title*

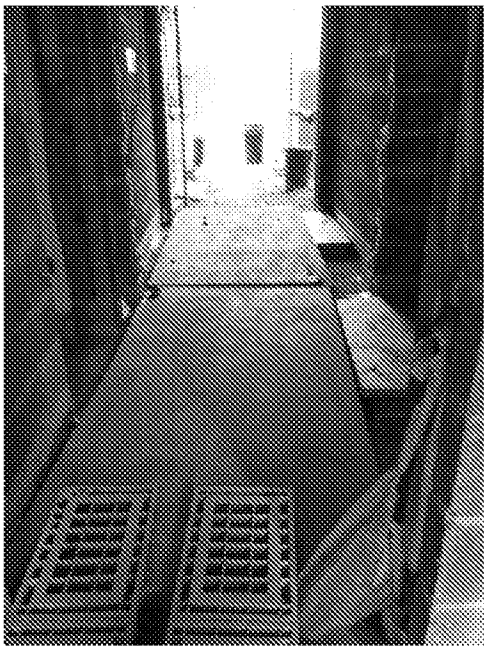
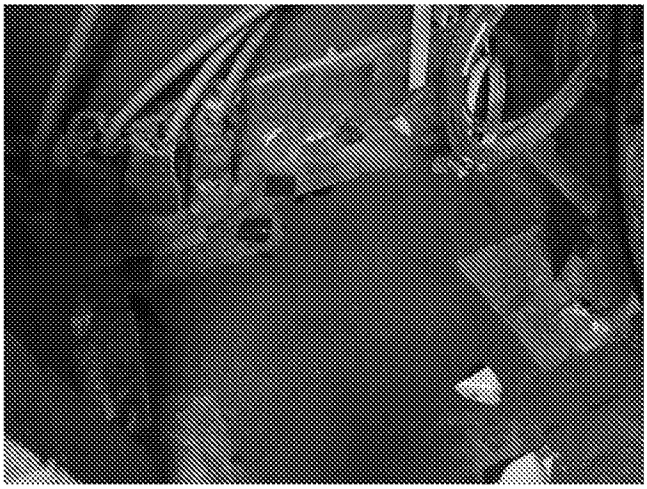
	Block B overview
	Block B repairs
	Block B repairs

	Block B services
	Block B walkway

	Block B stairs
	Block B service cardboards

	Block B overview
	Block B patch repairs
	Block B

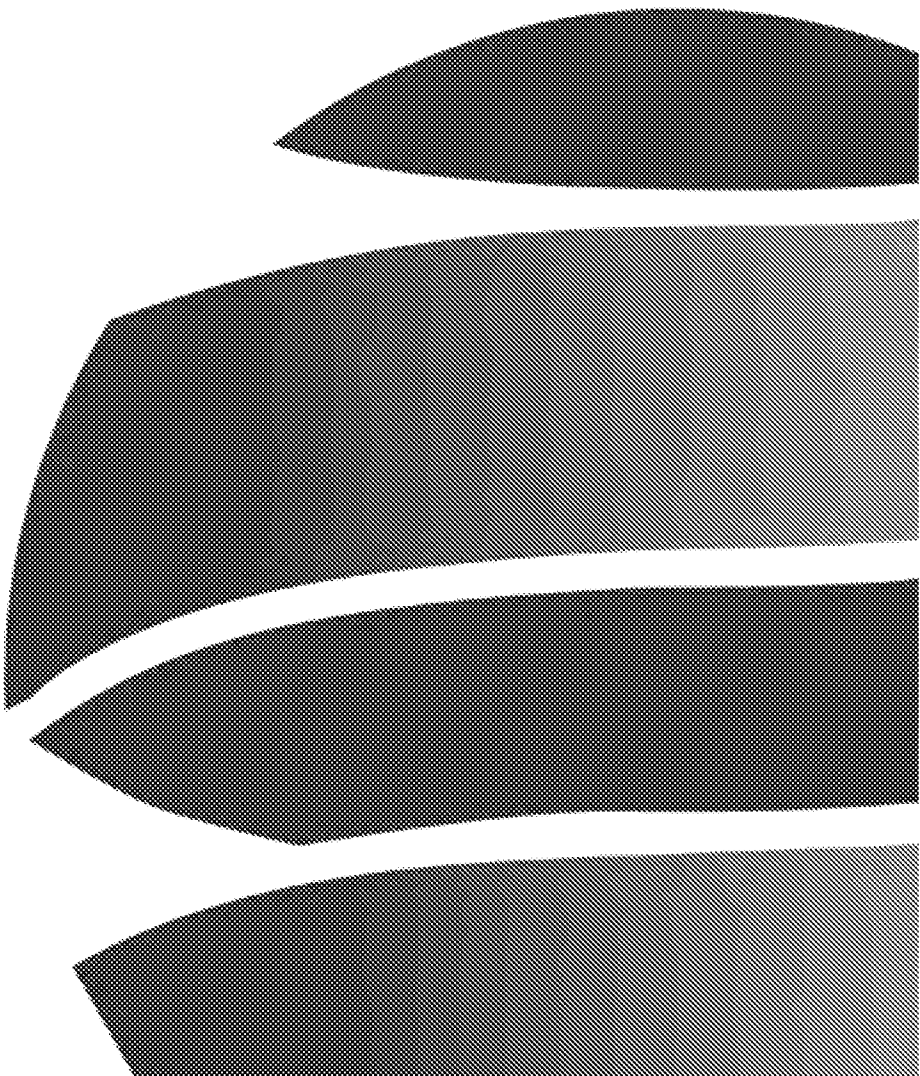
	Block B
	Block A stairs
	Block A under stairs

	Block A walkway
	Block A service cardboard

Geo-Environmental

APPENDIX C

Photographs of Gas Membrane Installation works (Provided by Client)



Gas Protection Measures – Photographs provided by the Client.

Plot 11



Plate 1 - Infills Plot 11



Plate 2 – Infills Plot 11

ARUN DISTRICT COUNCIL LU/191/21/DOC

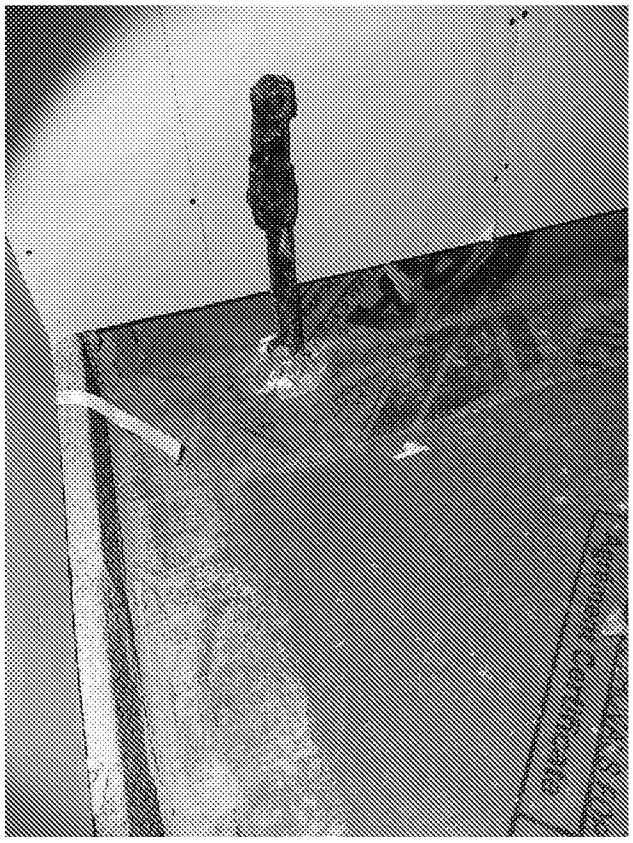


Plate 3 – Infills Plot 11



Plate 4 – Infills Plot 11

ARUN DISTRICT COUNCIL LU/191/21/DOC



Plate 5 – Infills Plot 11

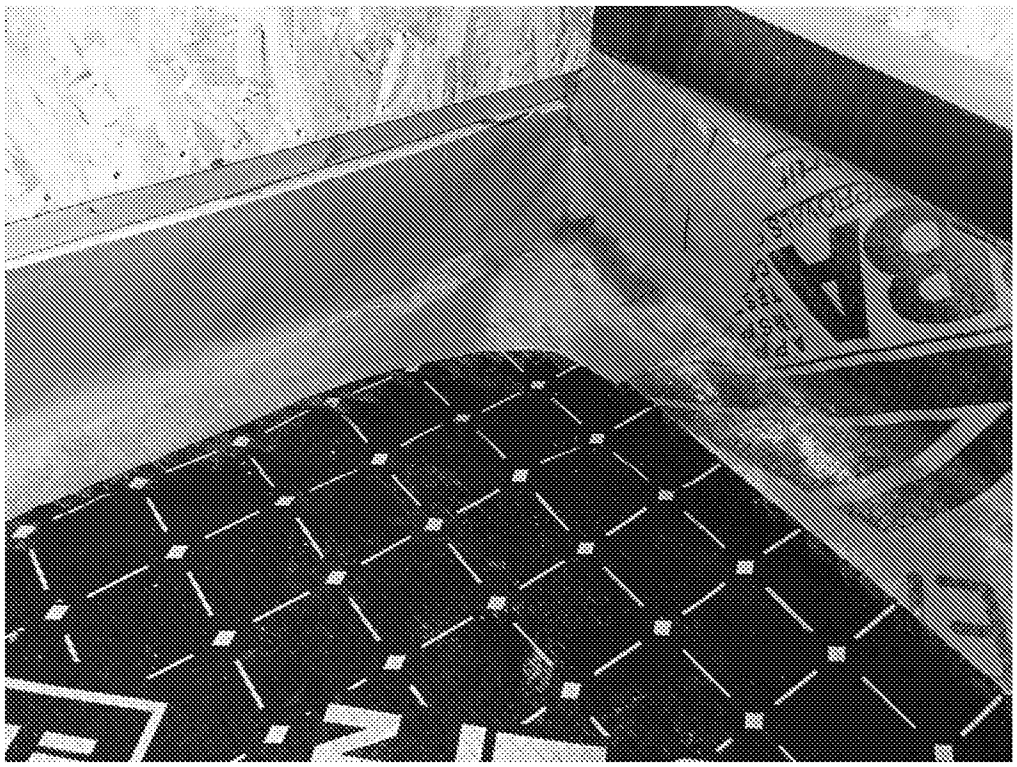


Plate 6 – Infills Plot 11

ARUN DISTRICT COUNCIL LU/191/21/DOC