

Appendix C: Temporary Stabilization Recommendations

Note: Recommended facade stabilization repairs were completed by the Contractor as a part of the Critical Examination except at Fire Escape at west end of North Elevation

R/S & Install mesh
Photo: 1

Fill holes with mortar
Photo: 2

ROOF

15th

14th

13th

10'-6"
Floor 2

12'-1"
Floor

12'-1"
Floor

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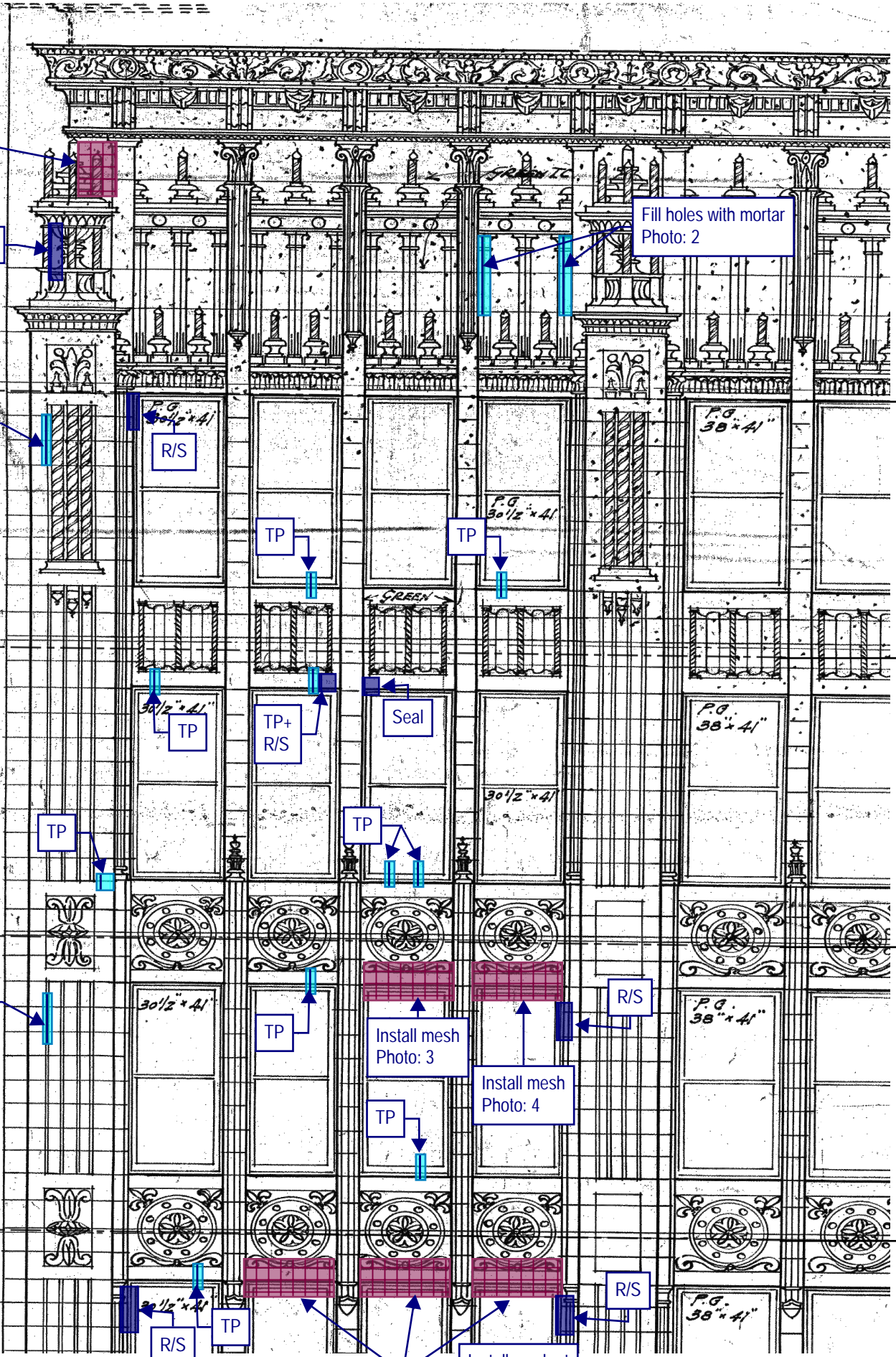
2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 1 - EAST ELEVATION
No.2	
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No.4	
No.5	

DRAWING No.

E-1

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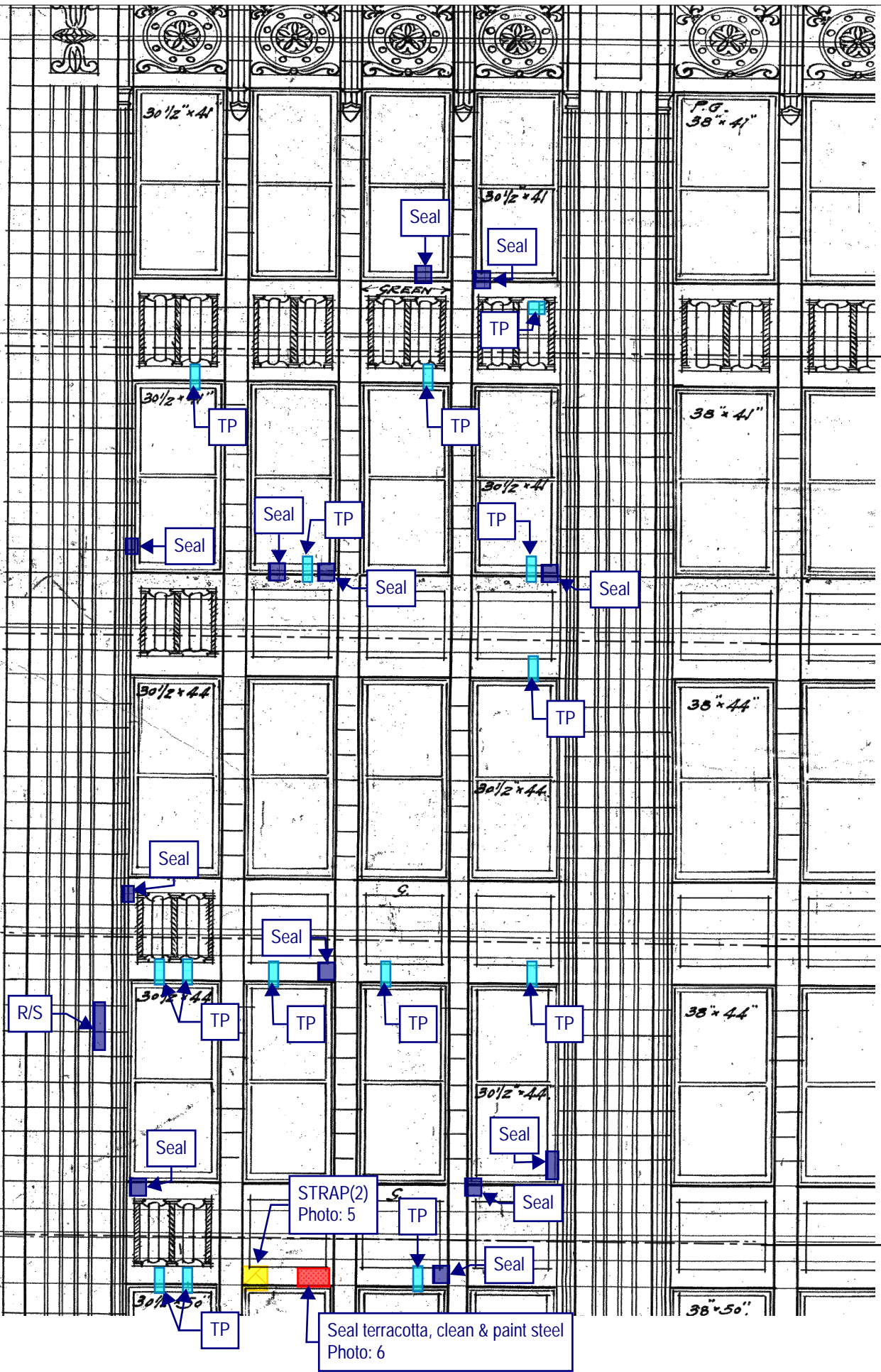
FLOOR

FLOOR

FLOOR

FLOOR

FLOOR



12th

11th

10th

9th

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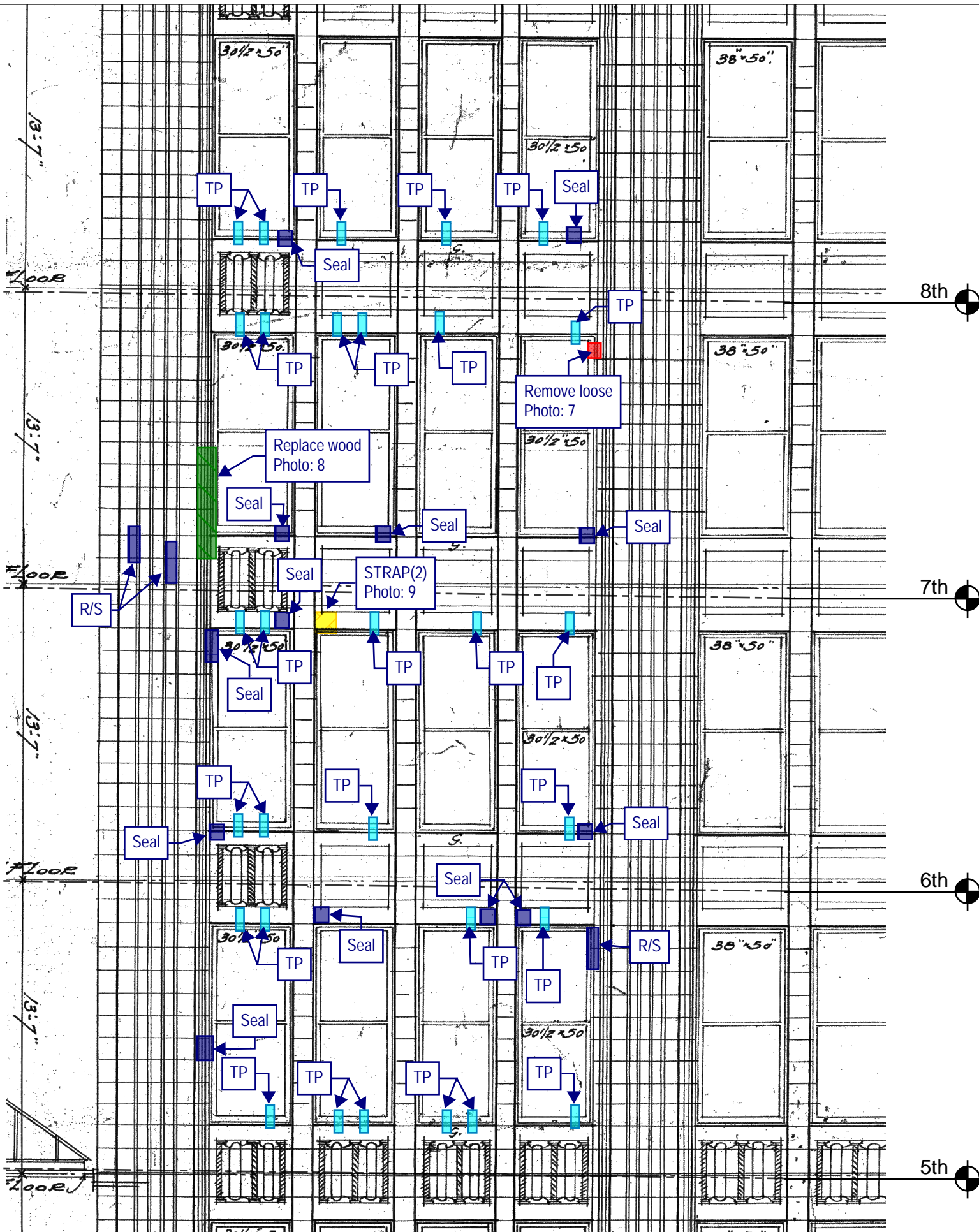
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No.2	
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No.5	

DRAWING No.

E-2



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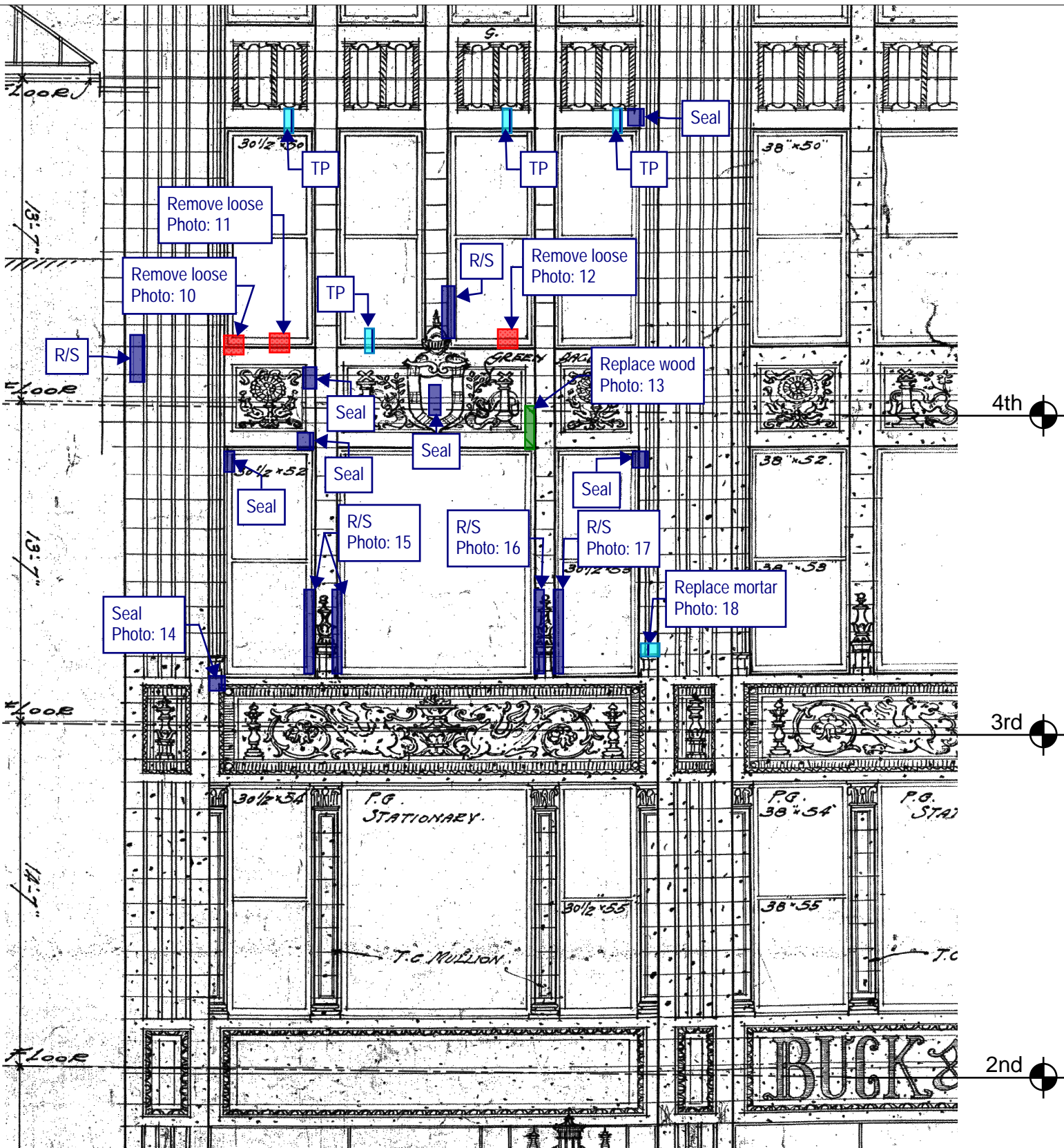
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 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 1 - EAST ELEVATION
No.2	
No.3	
No.4	
No.5	

DRAWING No.

E-3



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No.1	DROP 1 - EAST ELEVATION
No.2	
No.3	
No.4	
No.5	

DRAWING No.

E-4

TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



Rout and seal crack(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and tuckpoint mortar joint.

GENERAL NOTES:

Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum #01, dated October 13, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

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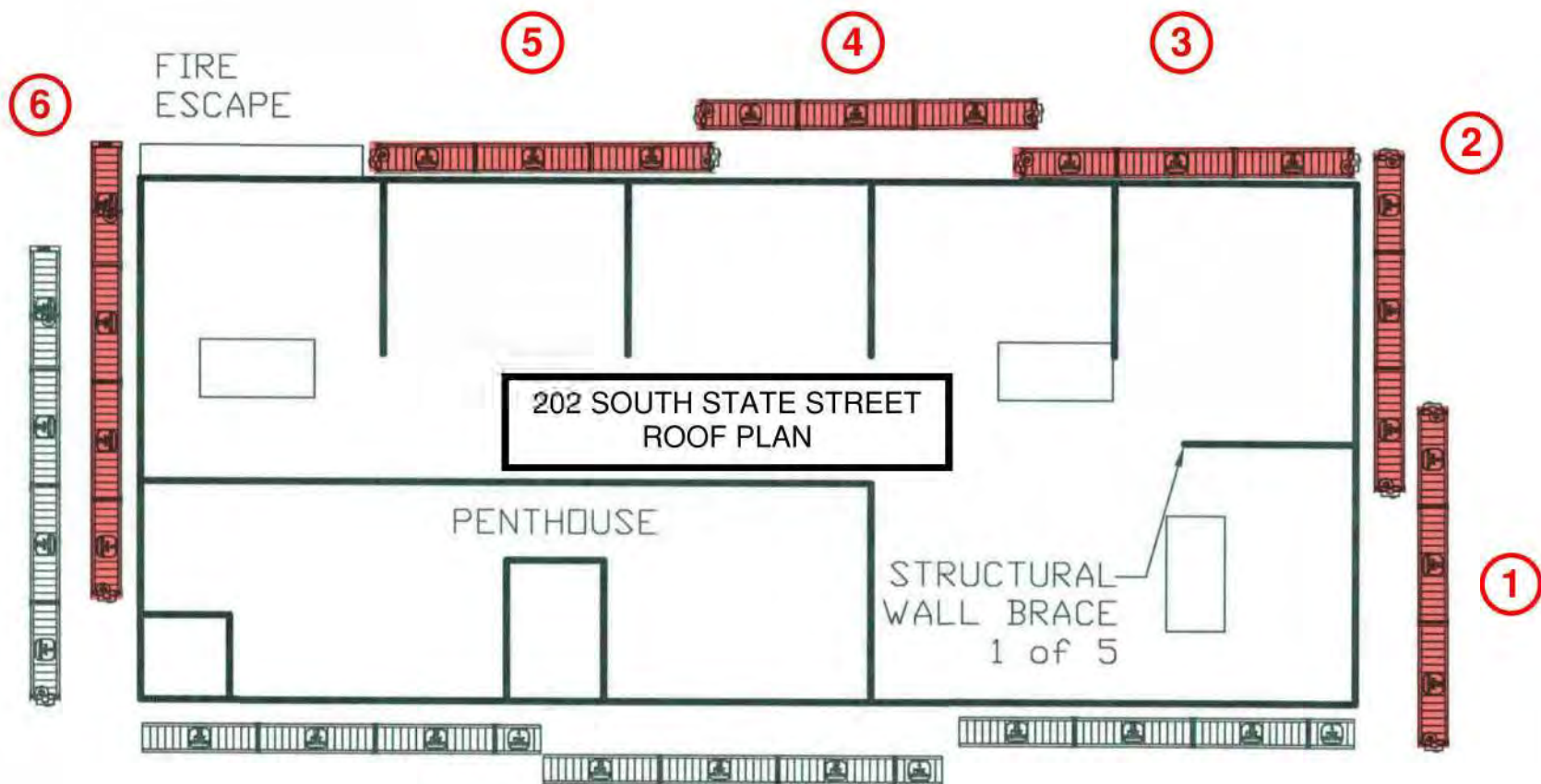
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 11/10/2020

LEGEND-01



202 SOUTH STATE STREET
ROOF PLAN

PENTHOUSE

STRUCTURAL
WALL BRACE
1 of 5

FIRE
ESCAPE

DRAWING MUST BE REVIEWED IN COLOR

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	SUBJECT: PROPOSED DROP PLAN	
BY: GH DATE: 08/12/2020	REFERENCE:	



Photo 1: R/S & Install mesh



Photo 2: Fill holes with mortar



Photo 3: Install mesh



Photo 4: Install mesh



Photo 5: STRAP(2)



Photo 6: Seal terracotta, clean & paint steel



Photo 7: Remove loose



Photo 8: Replace wood



Photo 9: STRAP(2)



Photo 10: Remove loose



Photo 11: Remove loose



Photo 12: Remove loose



Photo 13: Replace wood



Photo 14: Seal



Photo 15: R/S



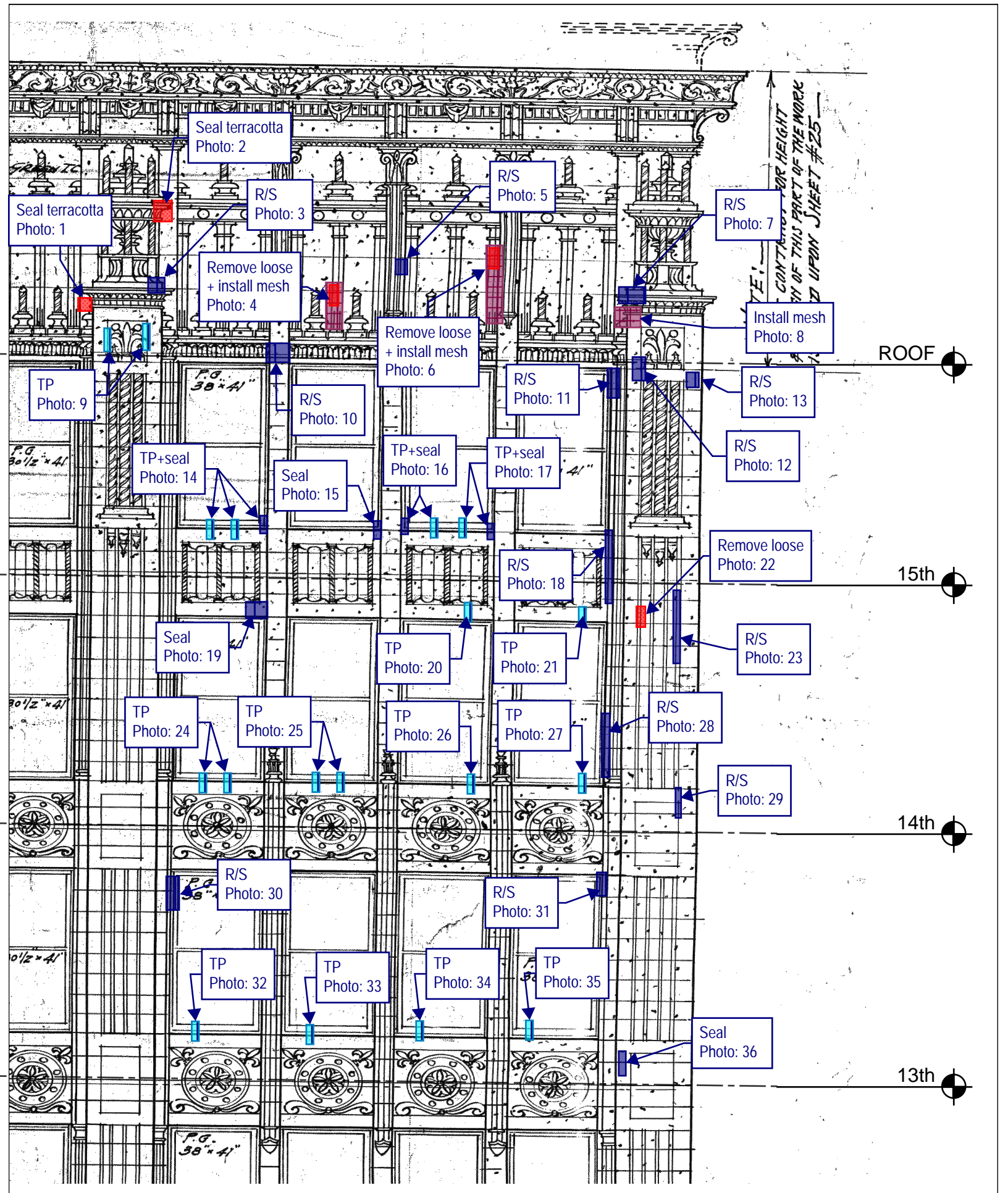
Photo 16: R/S



Photo 17: R/S



Photo 18: Replace mortar



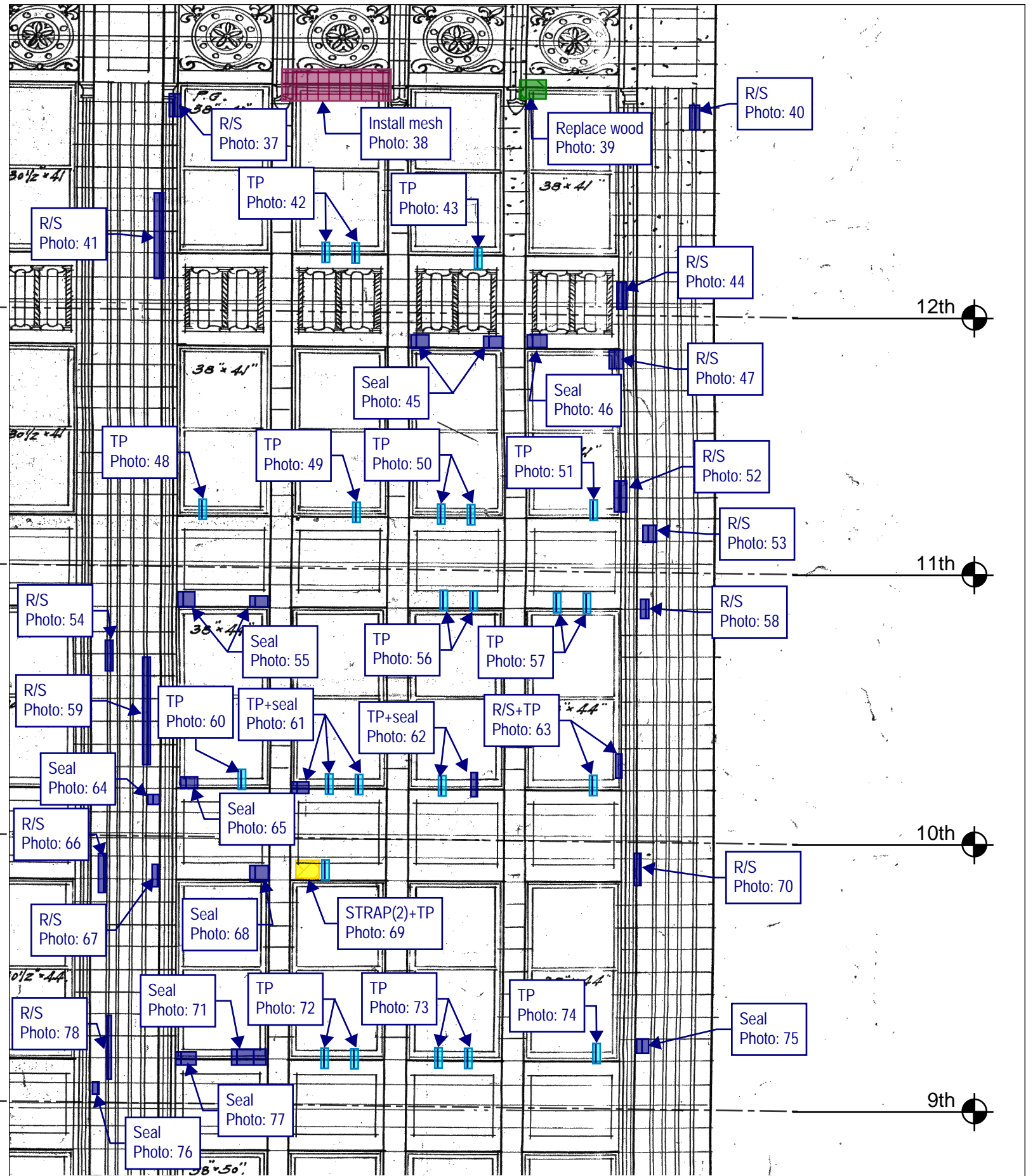
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No.3			
No.4			
No.5			



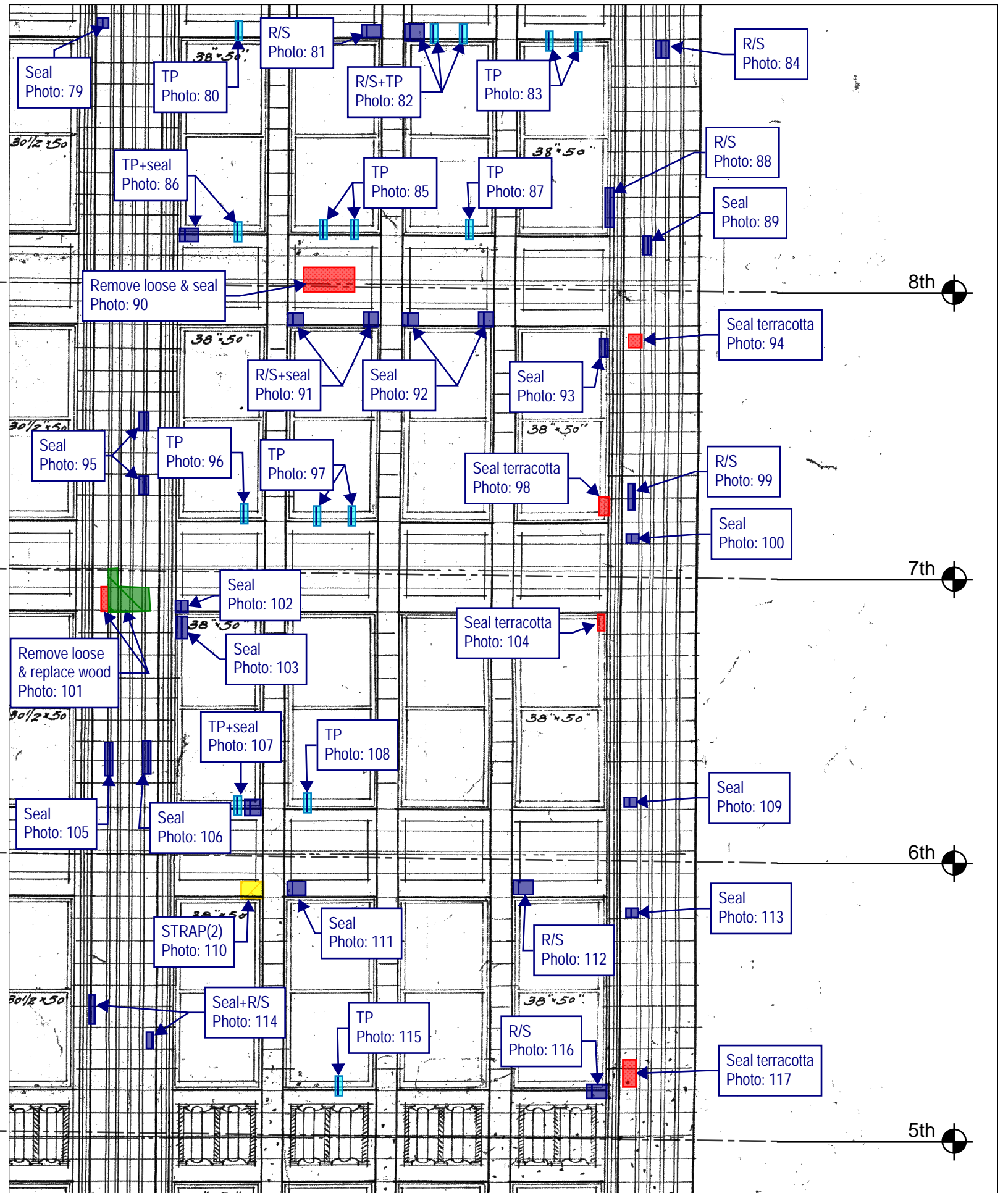
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No.5			



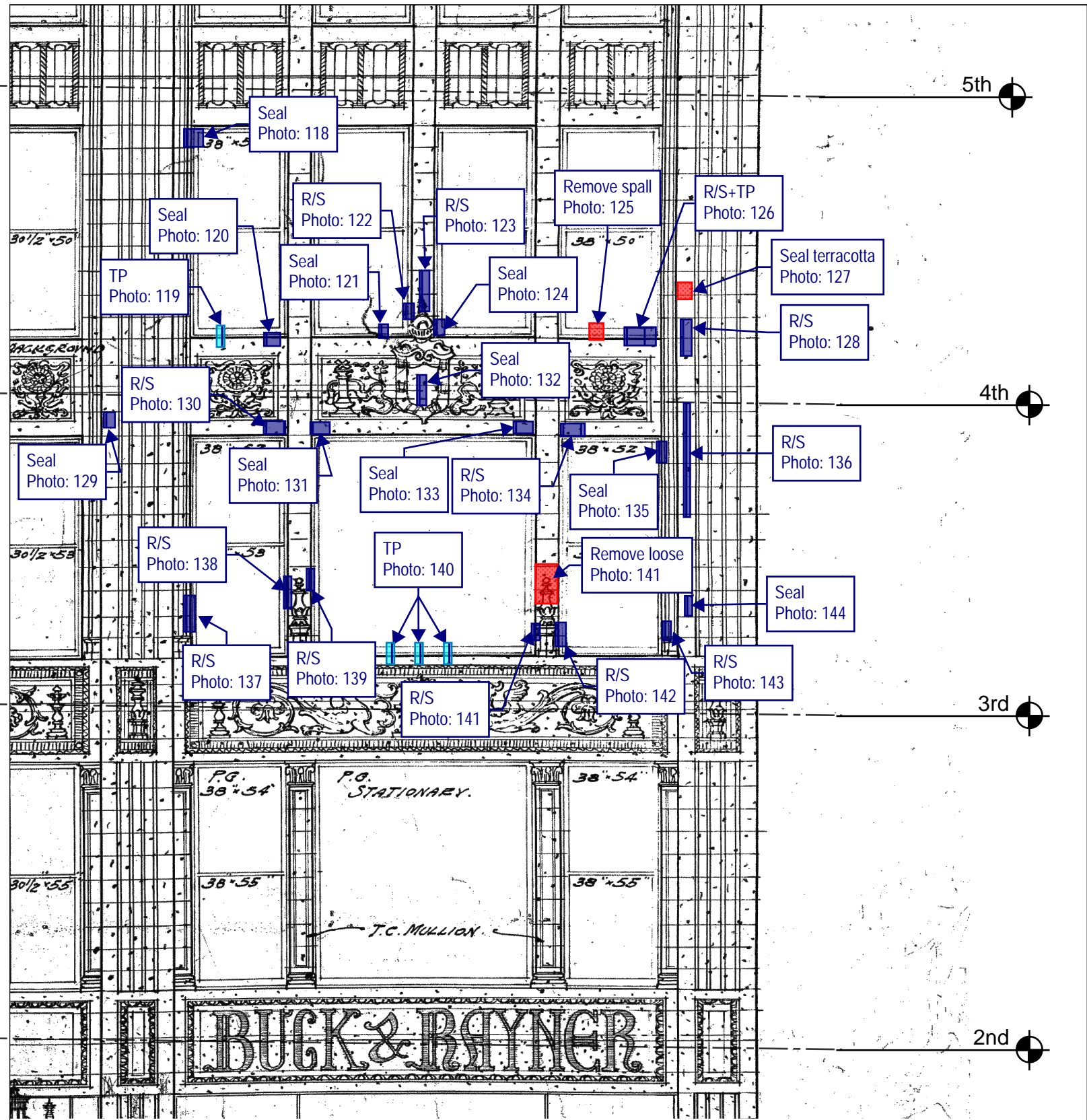
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No.1	DROP 2 - EAST ELEVATION	11/10/20	DRAWING No. E-8
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No.3			
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No.5			



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No.1	DROP 2 - EAST ELEVATION	11/10/20
No.2		
No.3		
No.4		
No.5		

DRAWING No.

E-9

TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



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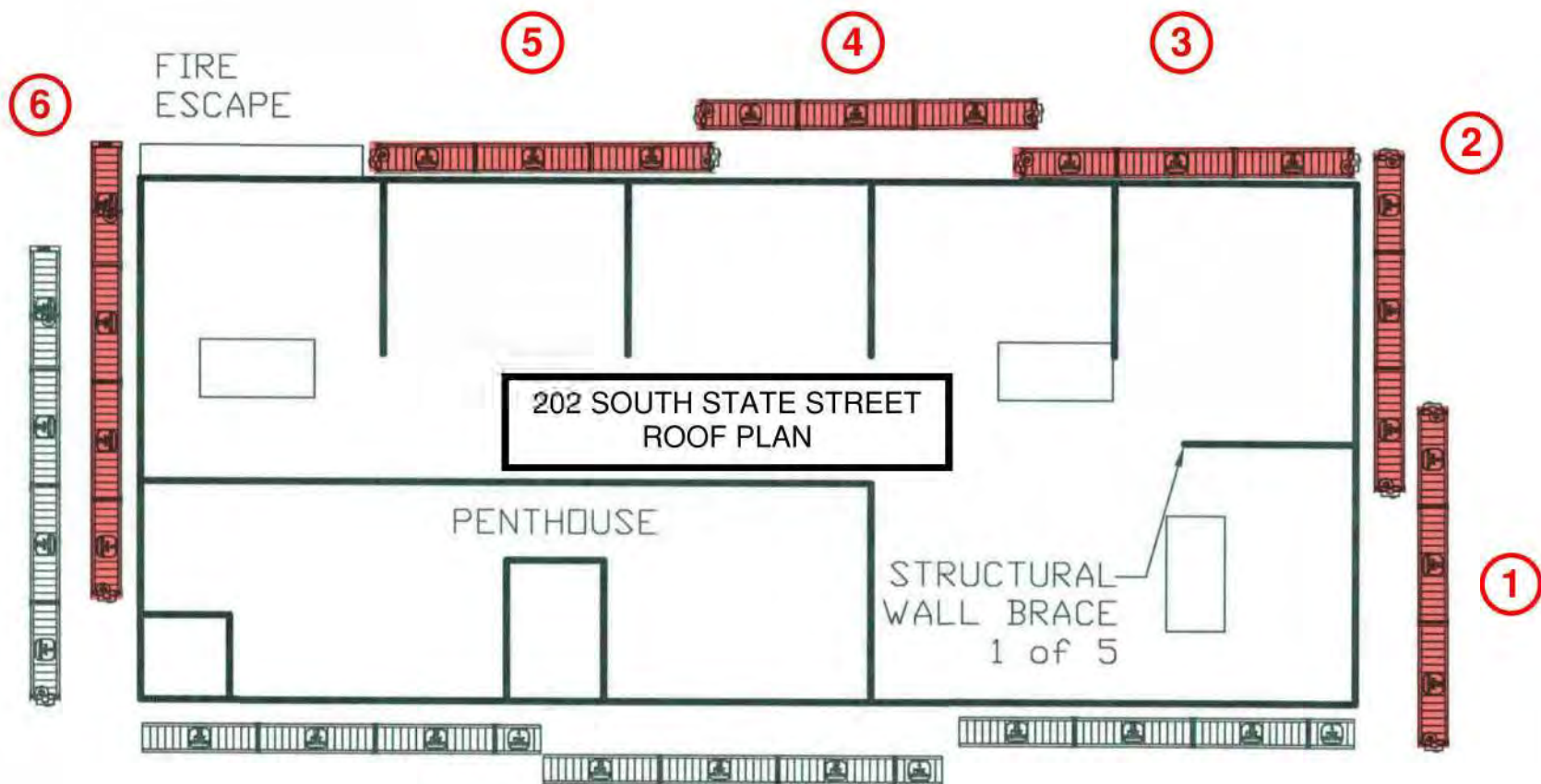
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 11/10/2020

LEGEND-01



202 SOUTH STATE STREET
ROOF PLAN

PENTHOUSE

STRUCTURAL
WALL BRACE
1 of 5

DRAWING MUST BE REVIEWED IN COLOR

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	SUBJECT: PROPOSED DROP PLAN	
BY: GH DATE: 08/12/2020	REFERENCE:	



Photo 1: Seal terracotta

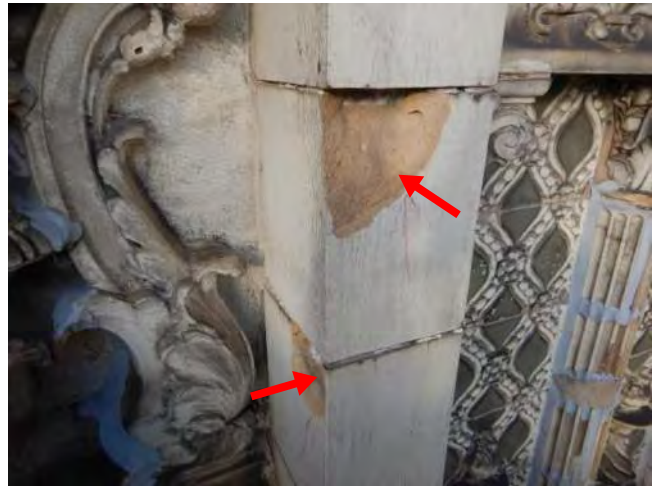


Photo 2: Seal terracotta



Photo 3: R/S

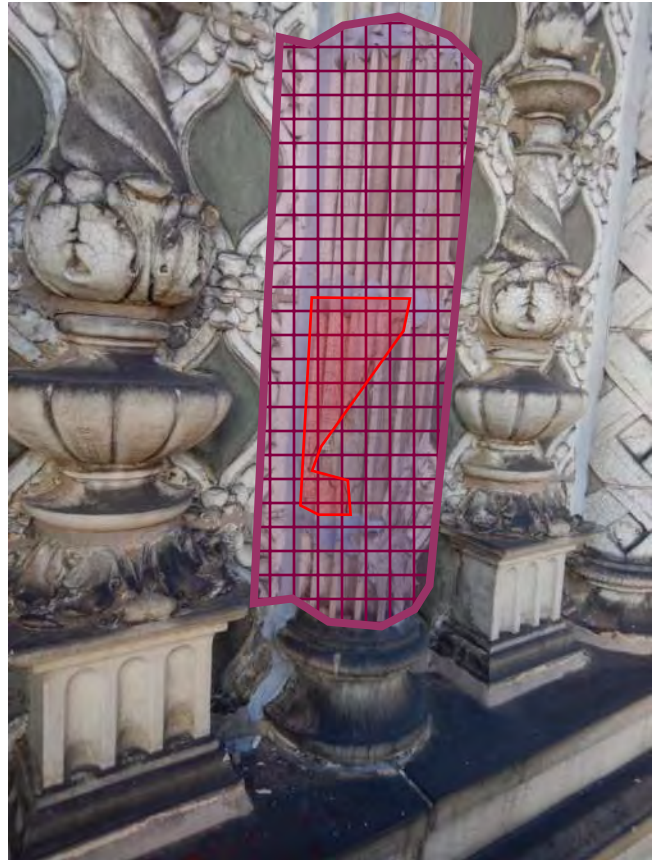


Photo 4: Remove loose + install mesh

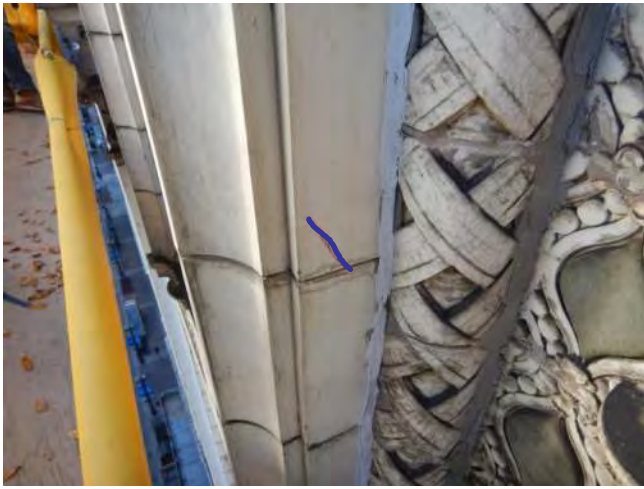


Photo 5: R/S

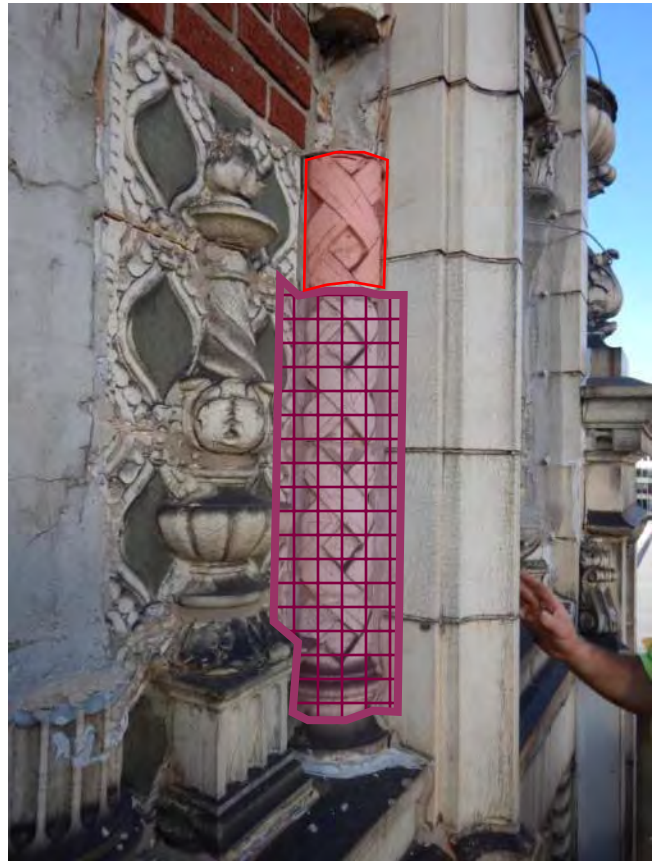


Photo 6: Remove loose + install mesh



Photo 7: R/S

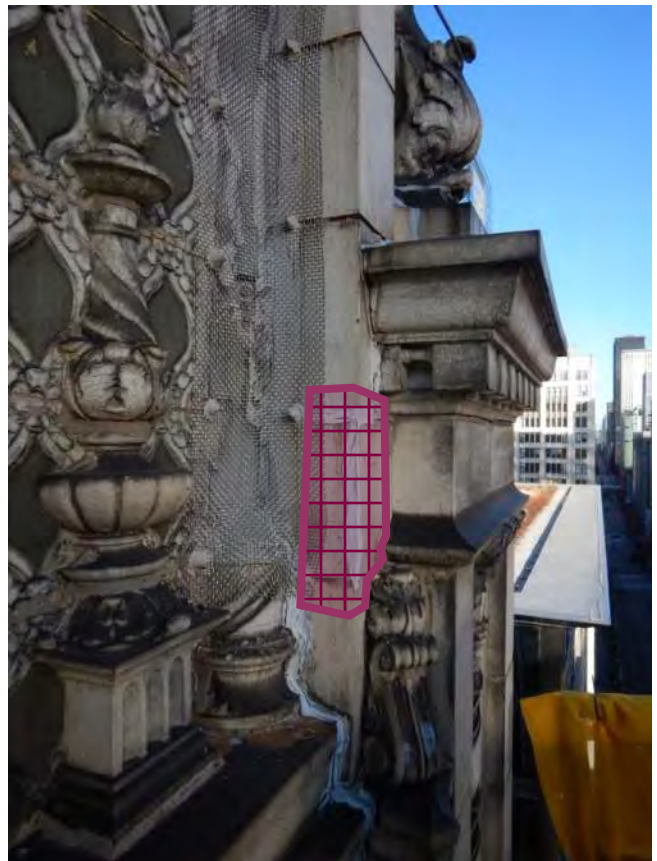


Photo 8: Install mesh



Photo 9: TP

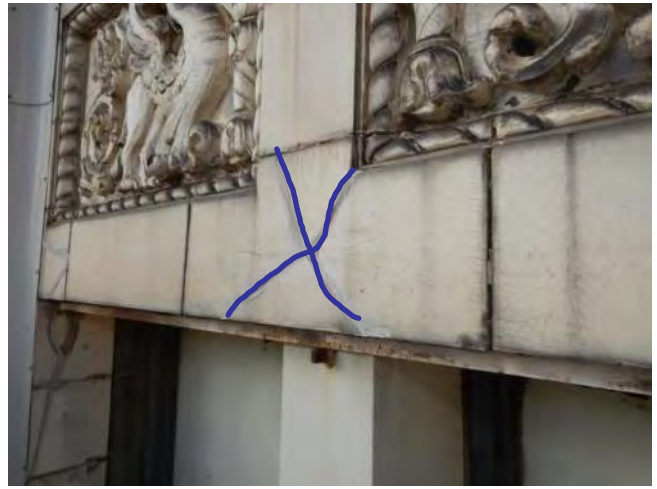


Photo 10: R/S



Photo 11: R/S



Photo 12: R/S

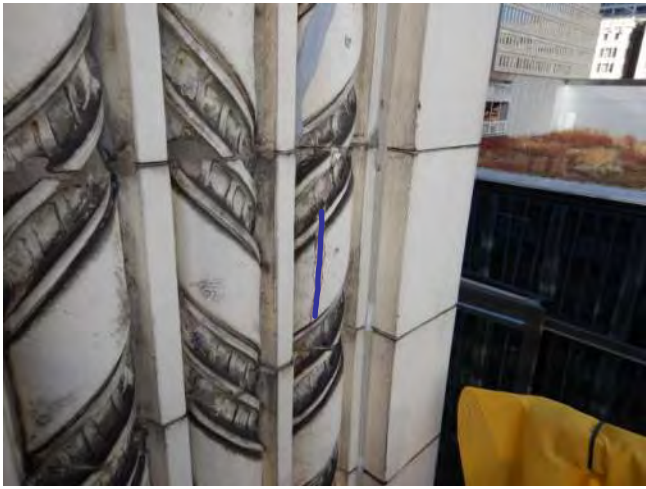


Photo 13: R/S



Photo 14: TP + seal



Photo 15: Seal



Photo 16: TP + seal



Photo 17: TP + seal



Photo 18: R/S



Photo 19: Seal



Photo 20: TP

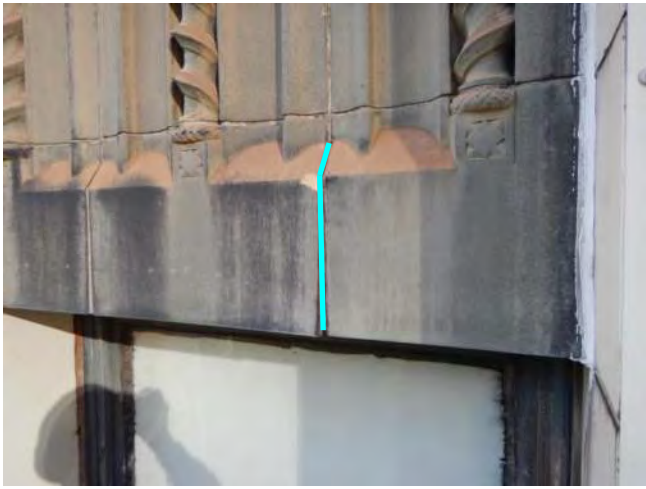


Photo 21: TP

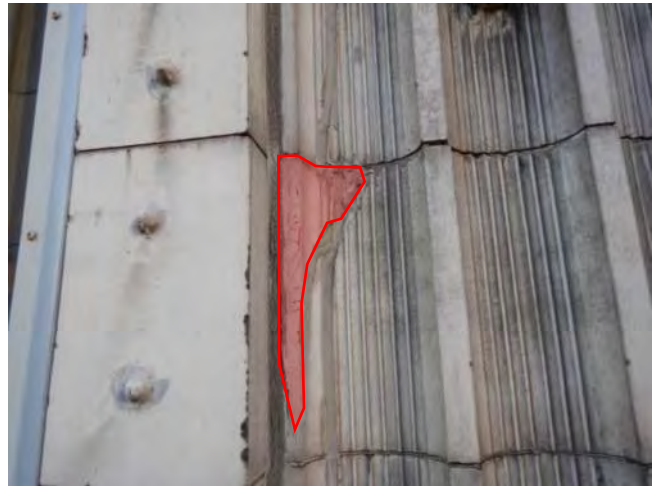


Photo 22: Remove loose



Photo 23: R/S



Photo 24: TP



Photo 25: TP



Photo 26: TP



Photo 27: TP



Photo 28: R/S

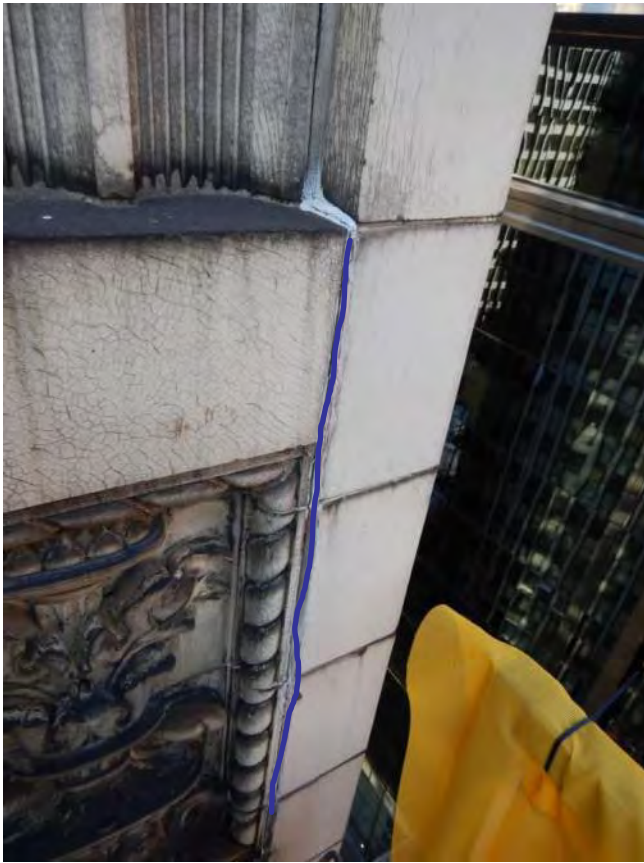


Photo 29: R/S



Photo 30: R/S



Photo 31: R/S



Photo 32: TP



Photo 33: TP



Photo 34: TP



Photo 35: TP



Photo 36: Seal



Photo 37: R/S



Photo 38: Install mesh



Photo 39: Replace wood



Photo 40: R/S



Photo 41: R/S

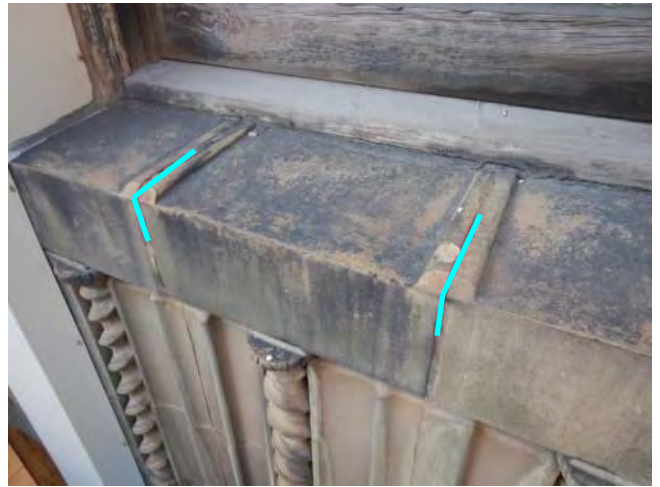


Photo 42: TP



Photo 43: TP

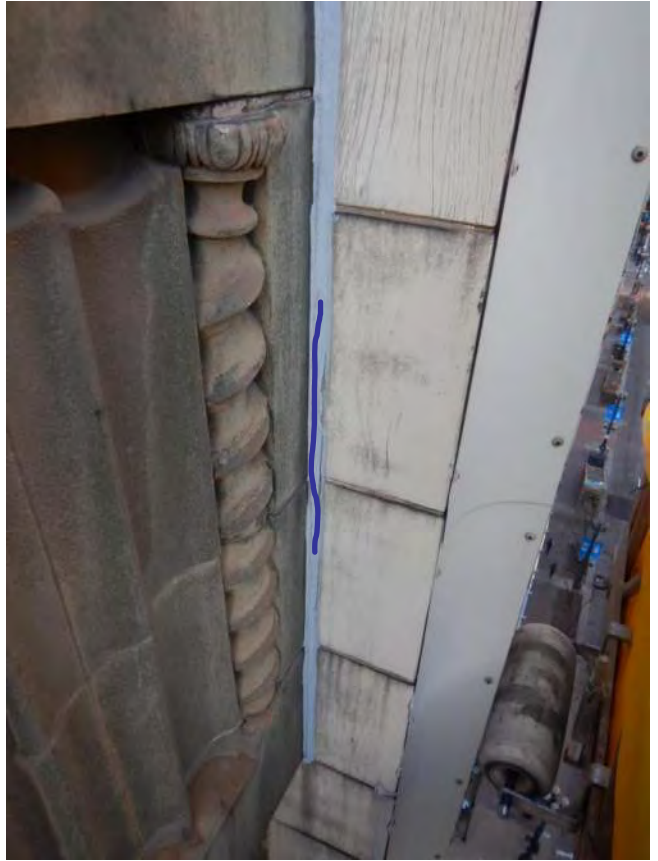


Photo 44: R/S



Photo 45: Seal



Photo 46: Seal



Photo 47: R/S



Photo 48: TP



Photo 49: TP



Photo 50: TP



Photo 51: TP

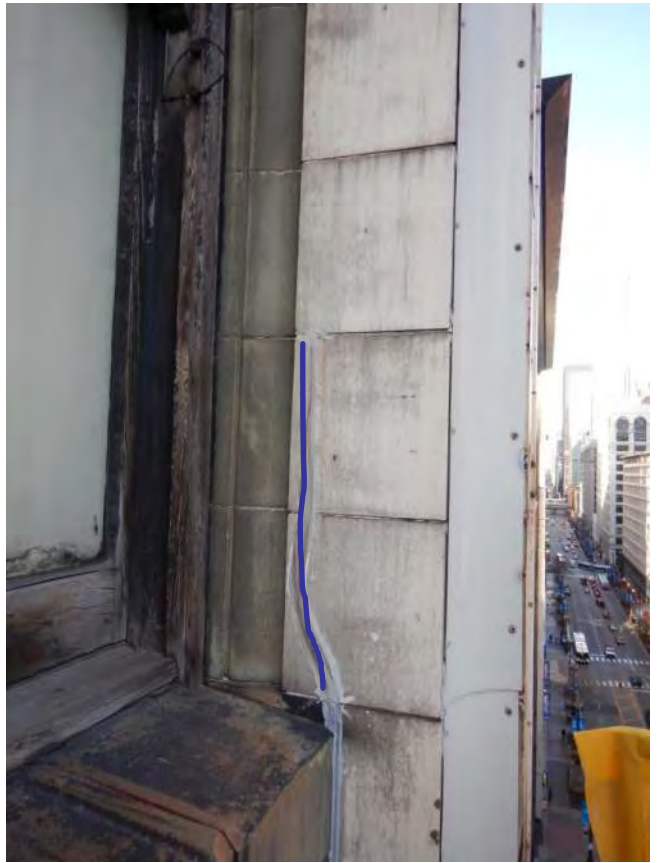


Photo 52: R/S



Photo 53: R/S

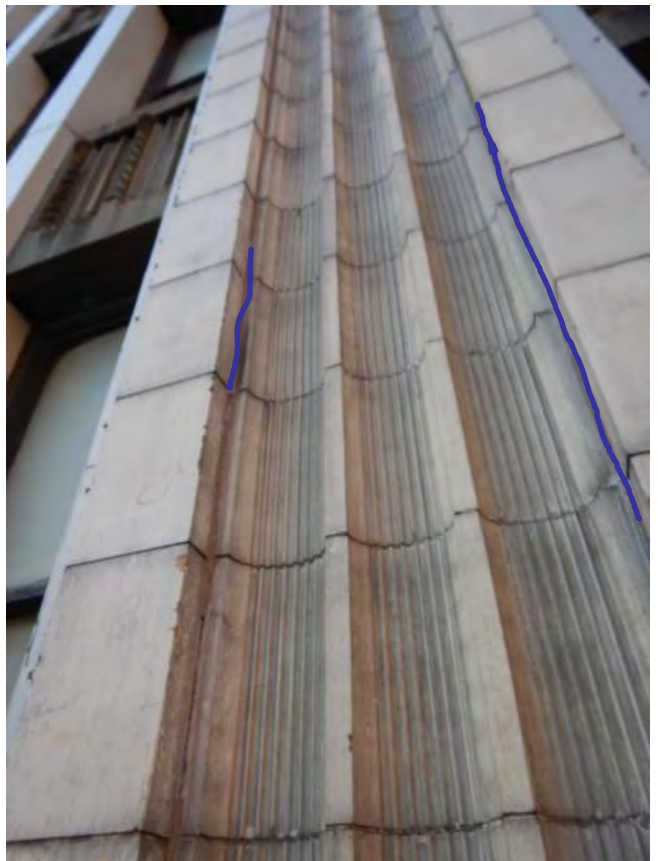


Photo 54: R/S



Photo 55: Seal

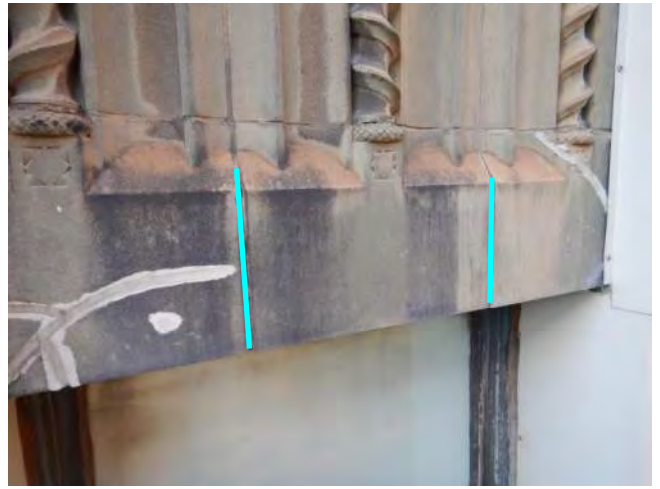


Photo 56: TP



Photo 57: TP



Photo 58: R/S



Photo 59: R/S



Photo 60: TP



Photo 61: TP + seal



Photo 62: TP + seal



Photo 63: R/S + TP



Photo 64: Seal



Photo 65: Seal



Photo 66: R/S



Photo 67: R/S



Photo 68: Seal

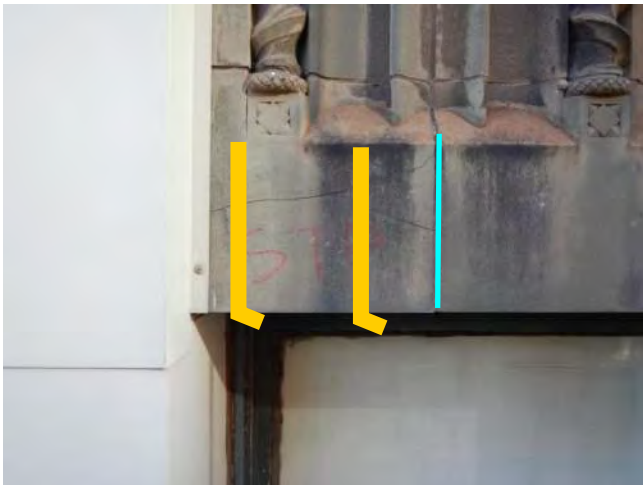


Photo 69: STRAP(2) + TP



Photo 70: R/S



Photo 71: Seal

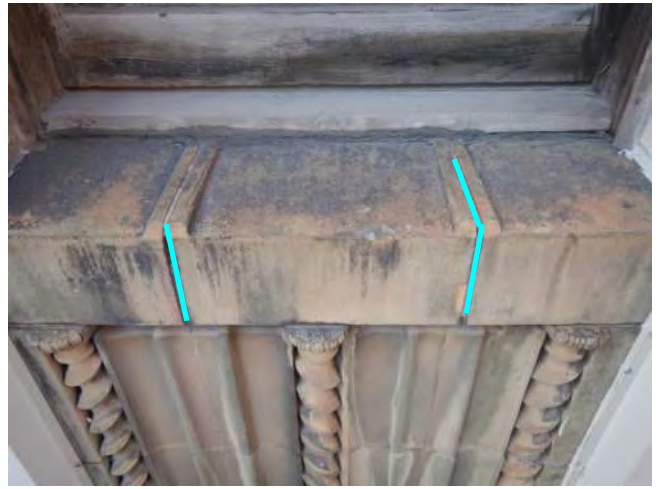


Photo 72: TP



Photo 73: TP



Photo 74: TP

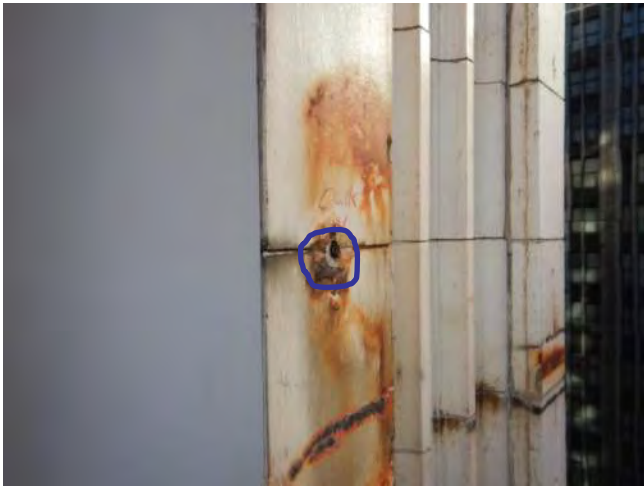


Photo 75: Seal



Photo 76: Seal



Photo 77: Seal



Photo 78: R/S

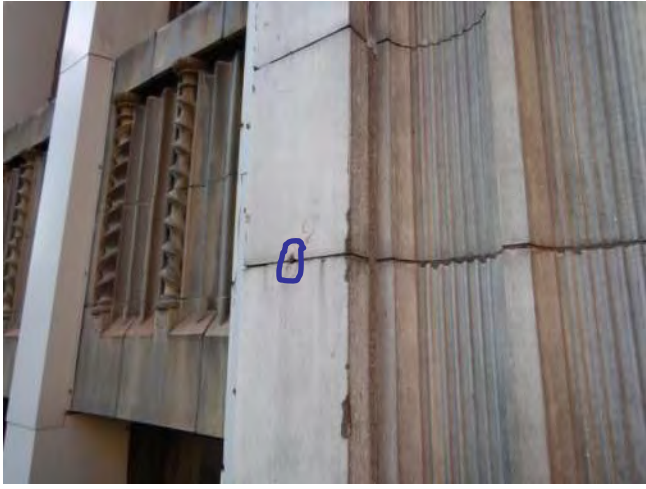


Photo 79: Seal

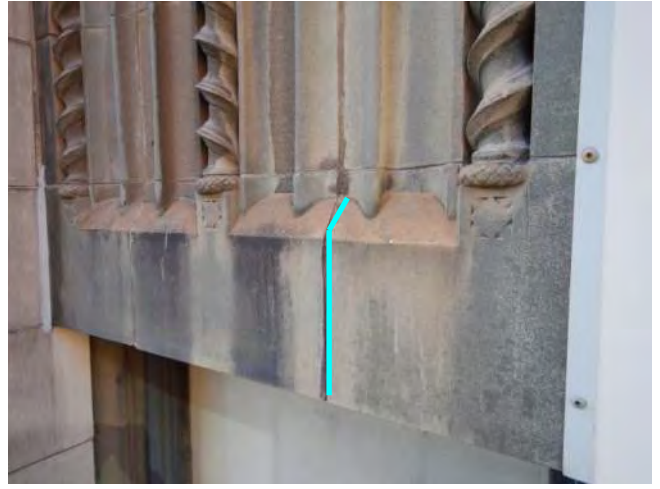


Photo 80: TP



Photo 81: R/S

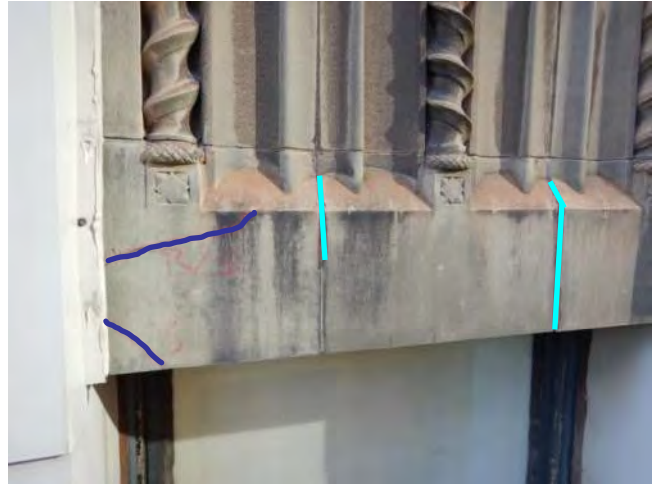


Photo 82: R/S + TP



Photo 83: TP



Photo 84: R/S



Photo 85: TP



Photo 86: TP + seal



Photo 87: TP



Photo 88: R/S



Photo 89: Seal

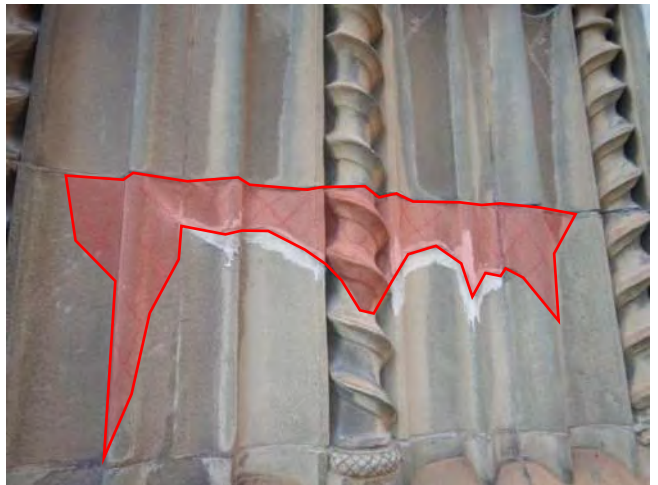


Photo 90: Remove loose & seal



Photo 91: R/S + seal

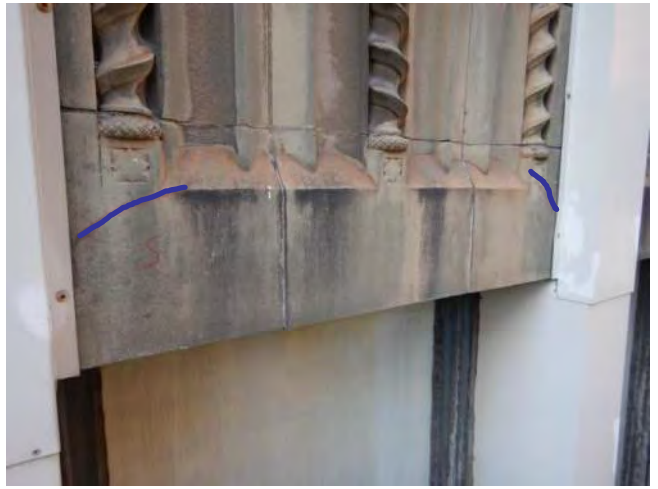


Photo 92: Seal



Photo 93: Seal



Photo 94: Seal terracotta

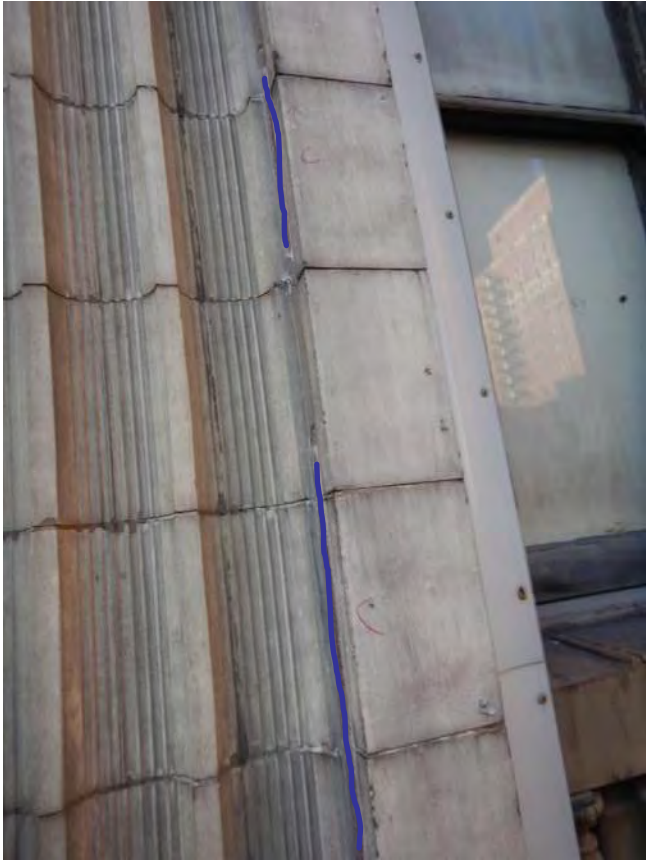


Photo 95: Seal



Photo 96: TP

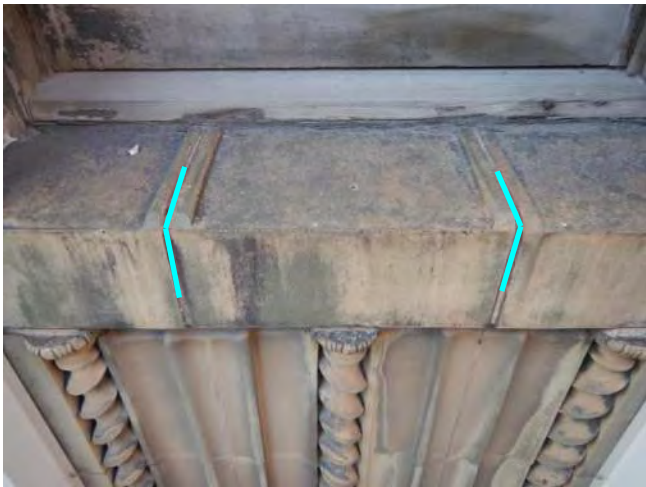


Photo 97: TP



Photo 98: Seal terracotta

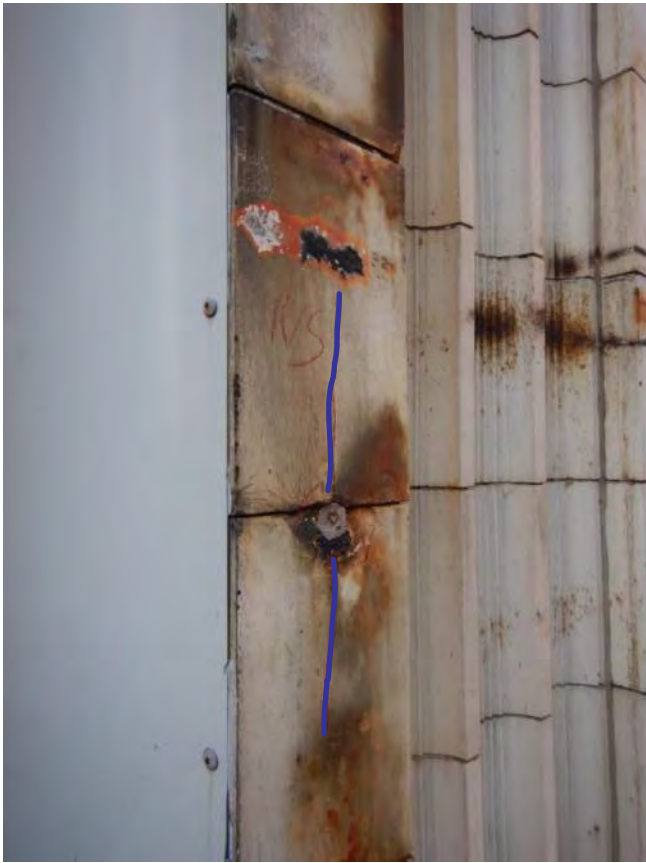


Photo 99: R/S

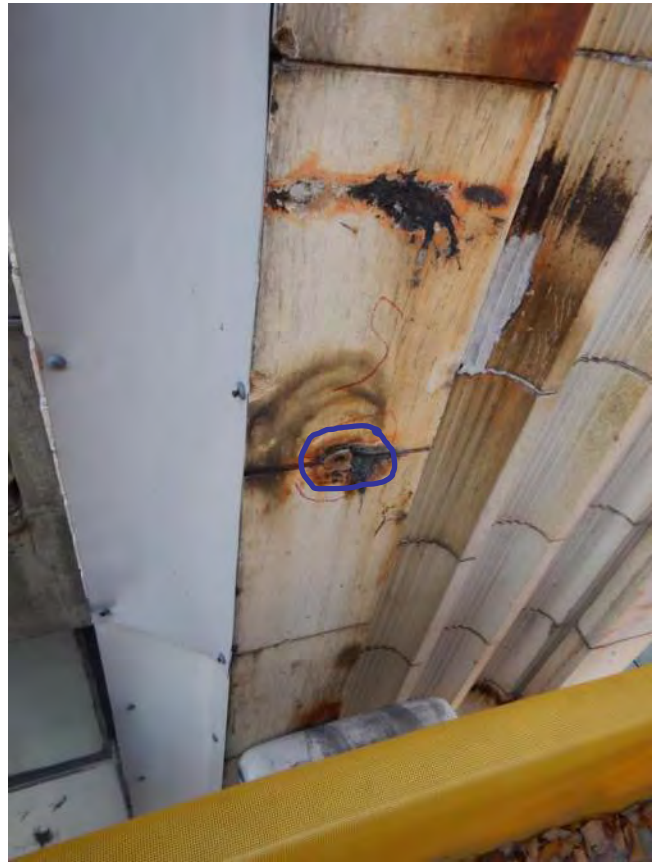


Photo 100: Seal

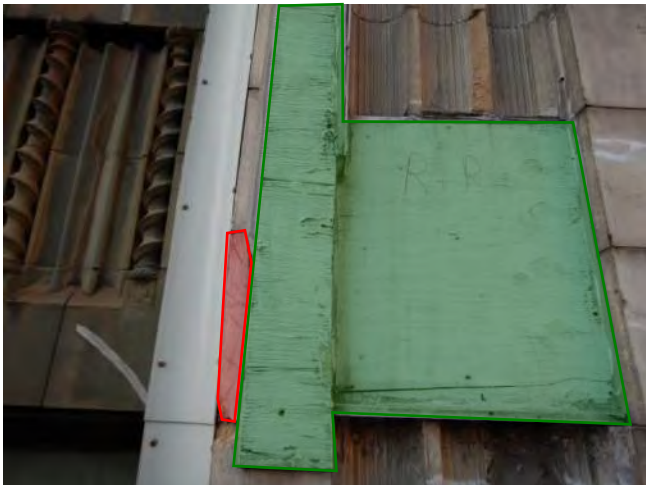


Photo 101: Remove loose & replace wood



Photo 102: Seal



Photo 103: Seal



Photo 104: Seal terracotta



Photo 105: Seal

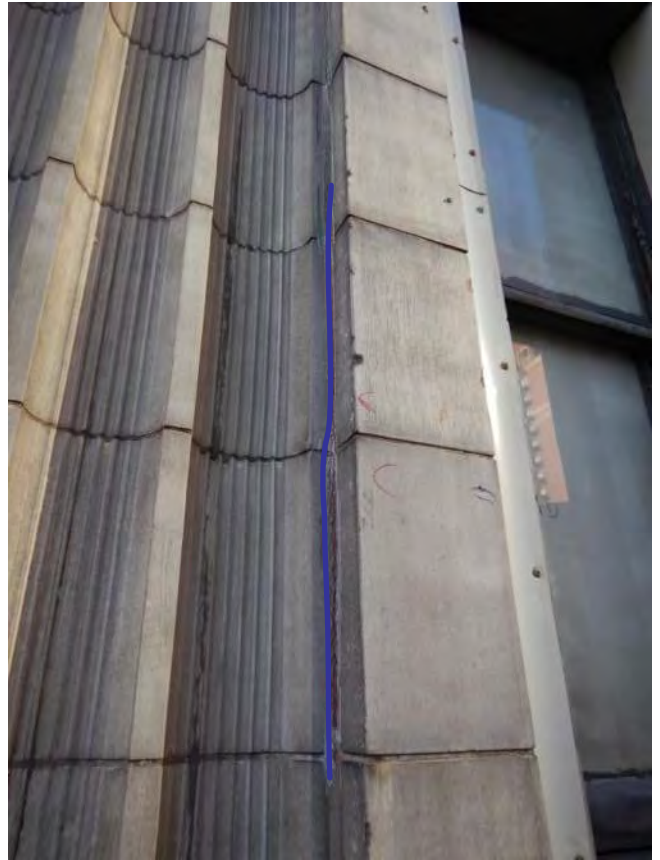


Photo 106: Seal



Photo 107: TP + seal



Photo 108: TP



Photo 109: Seal



Photo 110: STRAP(2)



Photo 111: Seal



Photo 112: R/S



Photo 113: Seal



Photo 114: Seal + R/S



Photo 115: TP



Photo 116: R/S



Photo 117: Seal terracotta



Photo 118: Seal



Photo 119: TP



Photo 120: Seal



Photo 121: Seal



Photo 122: R/S



Photo 123: R/S



Photo 124: Seal



Photo 125: Remove spall



Photo 126: R/S + TP



Photo 127: Seal terracotta



Photo 128: R/S



Photo 129: Seal



Photo 130: R/S



Photo 131: Seal



Photo 132: Seal



Photo 133: Seal



Photo 134: R/S



Photo 135: Seal



Photo 136: R/S



Photo 137: R/S



Photo 138: R/S



Photo 139: R/S



Photo 140: TP

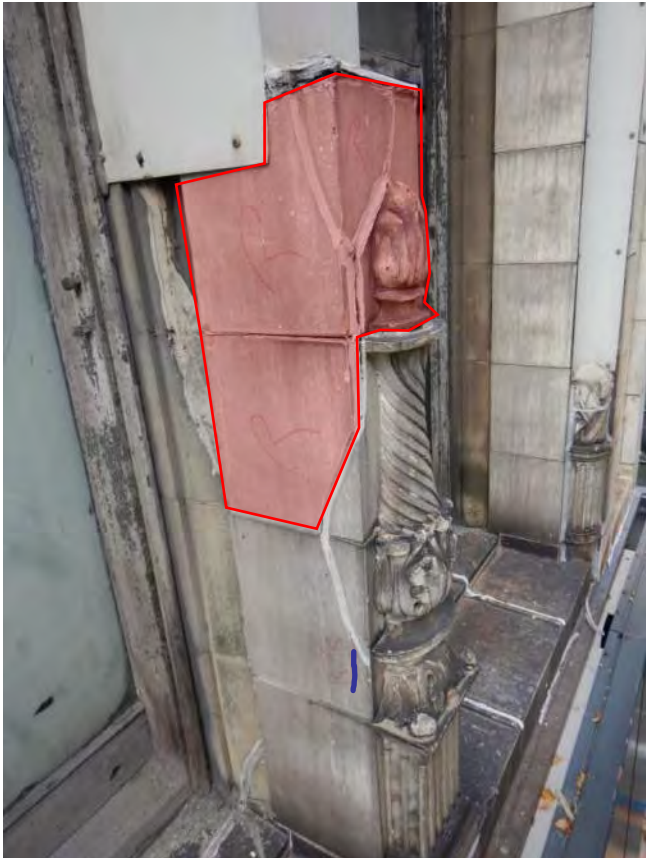


Photo 141: Remove loose + R/S



Photo 142: R/S



Photo 143: R/S

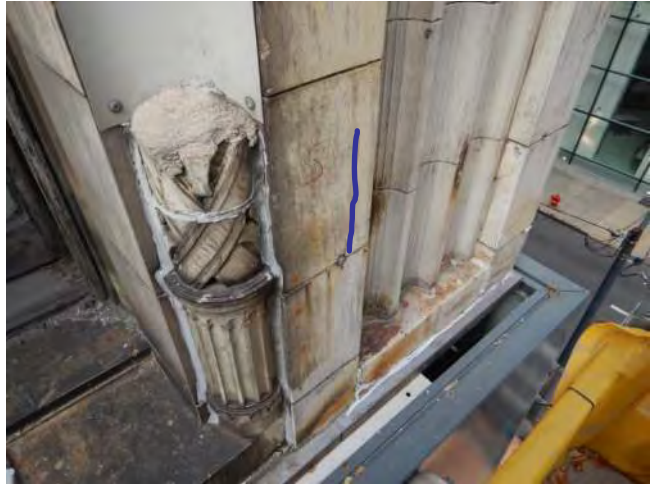
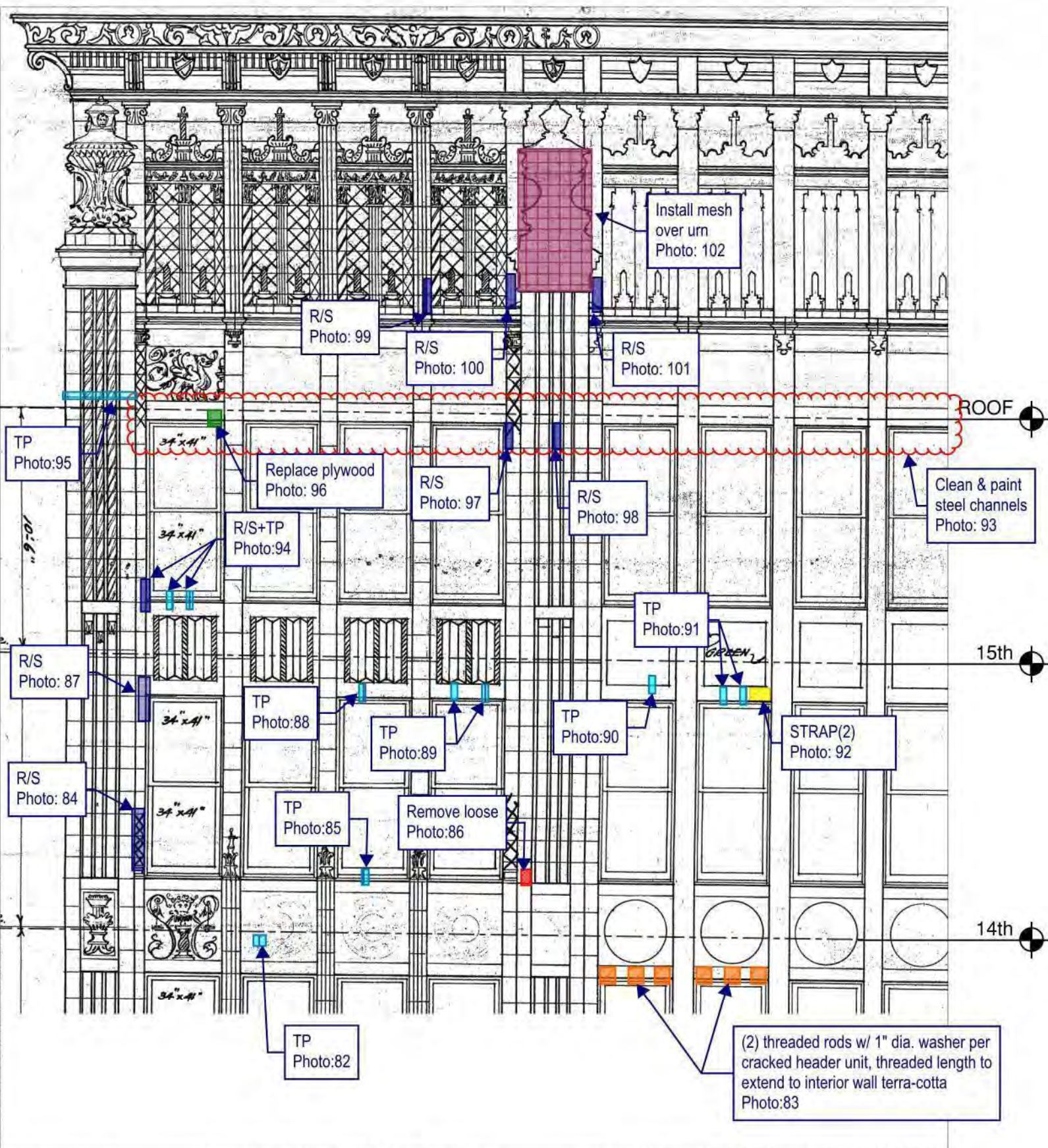


Photo 144: Seal



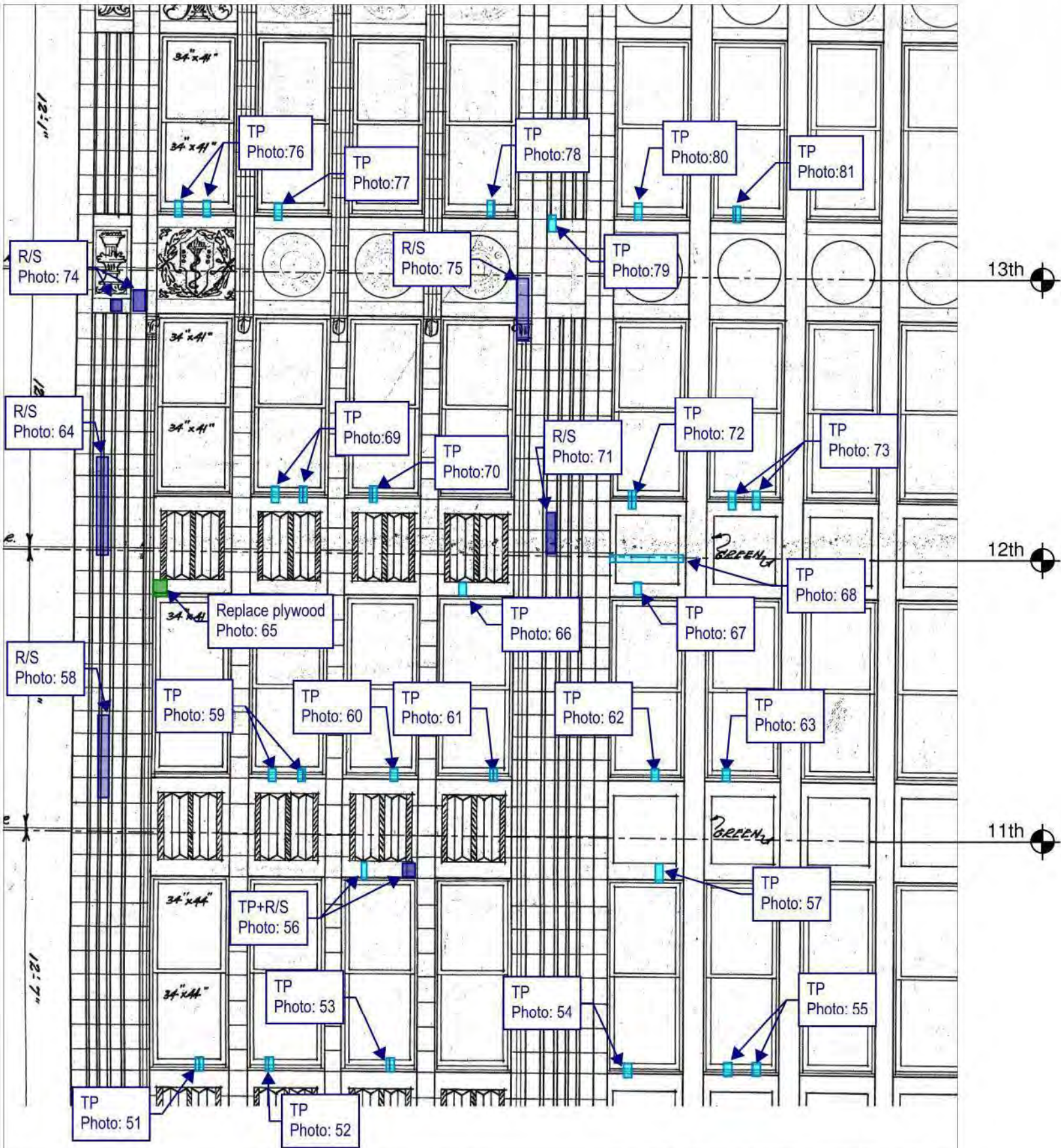
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No.1	DROP 3 - NORTH ELEVATION	10/05/20	DRAWING No.
No.2			
No.3			
No.4			N-1
No.5			

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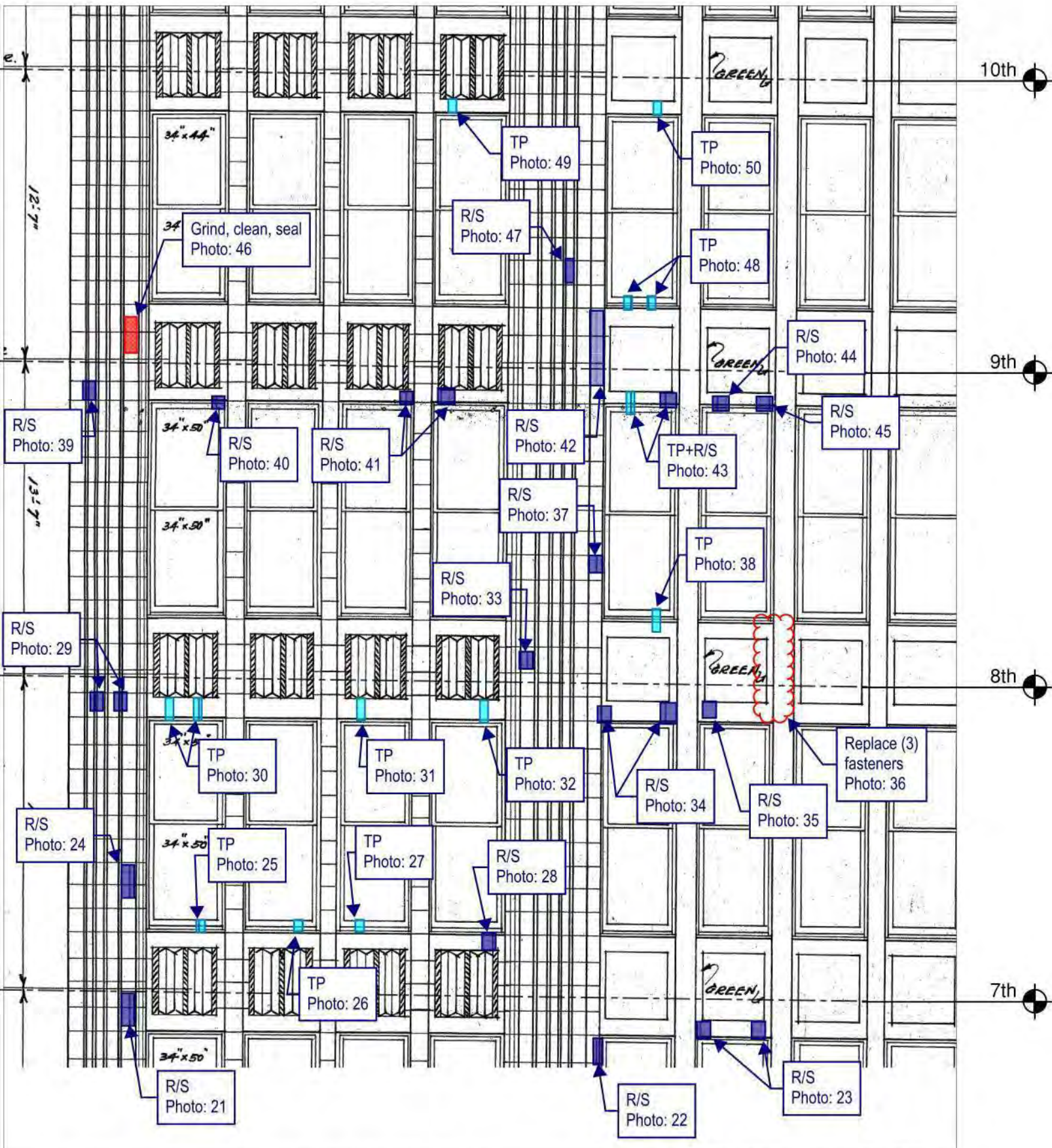
**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 3 - NORTH ELEVATION	10/05/20
No.2		
No.3		
No.4		
No.5		

DRAWING No.

N-2



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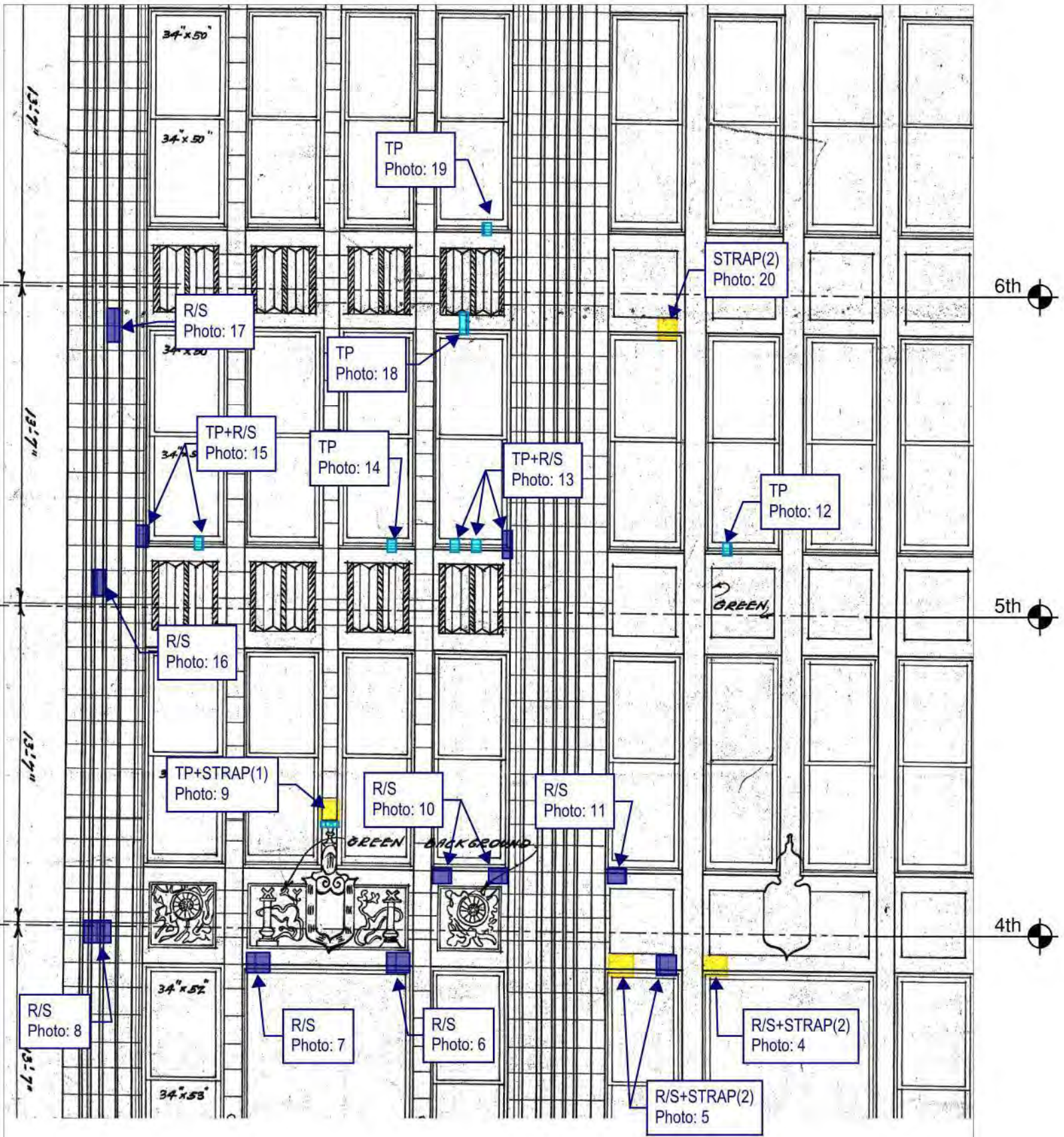
**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS

PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 3 - NORTH ELEVATION	10/05/20	DRAWING No.
No.2			
No.3			
No.4			
No.5			

N-3



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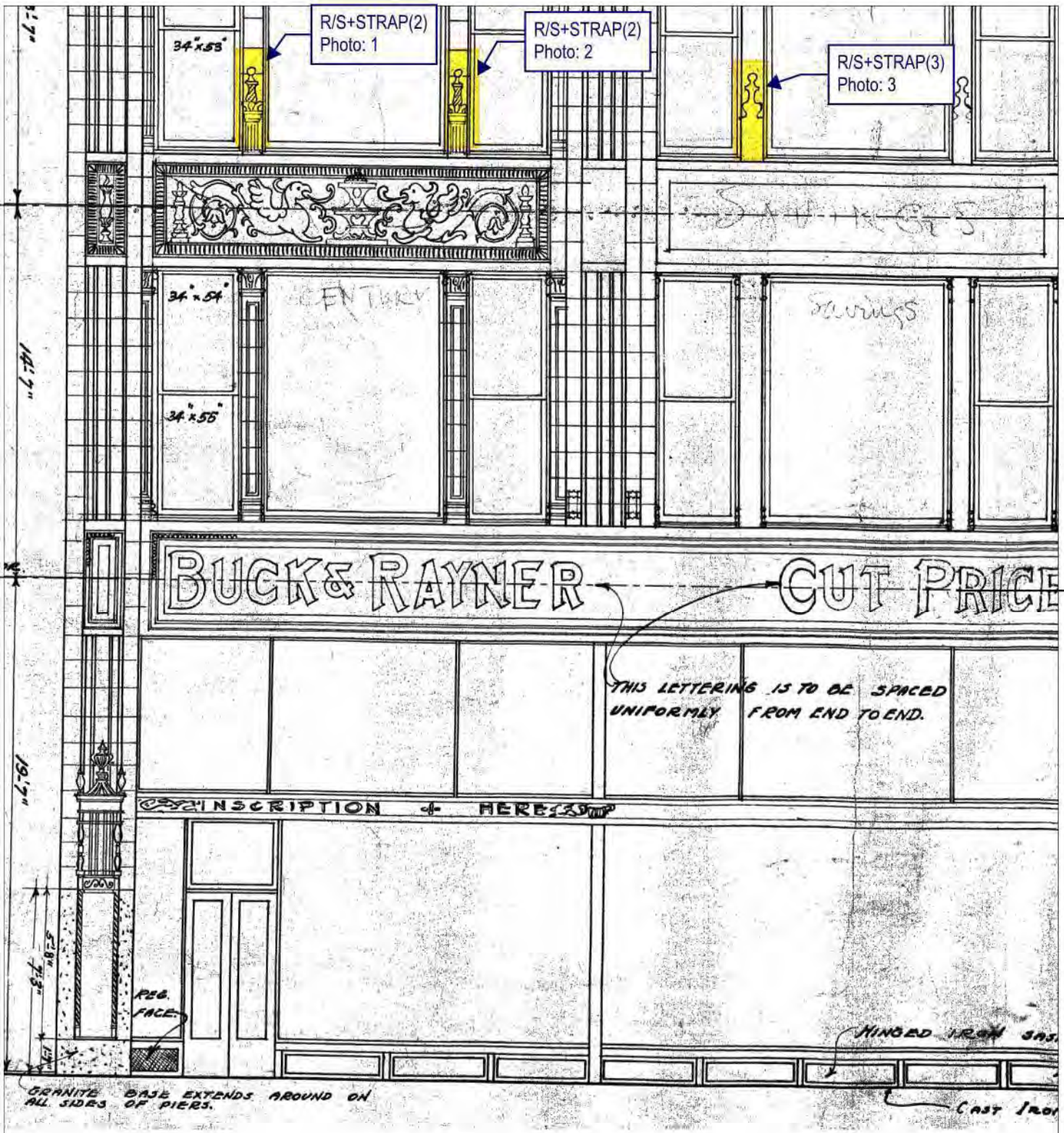
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 3 - NORTH ELEVATION	10/05/20
No.2		
No.3		
No.4		
No.5		

DRAWING No.

N-4

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3rd

2nd

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 CHICAGO, IL**
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 3 - NORTH ELEVATION	10/05/20
No.2		
No.3		
No.4		
No.5		

DRAWING No.
N-5

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TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



Rout and seal crack(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and point mortar joint.

GENERAL NOTES:

Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum ###, dated September ##, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

Thornton Tomasetti

PROJECT: 202&220 S STATE STREET, CHICAGO, IL

SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 10/05/2020

LEGEND-01



Photo 1: R/S + STRAP (2)

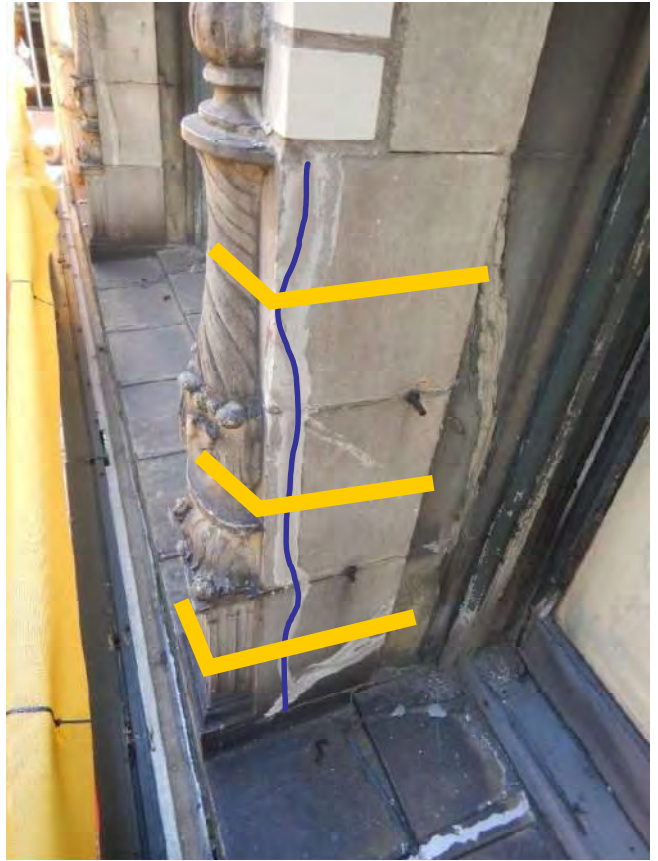


Photo 2: R/S + STRAP (2)

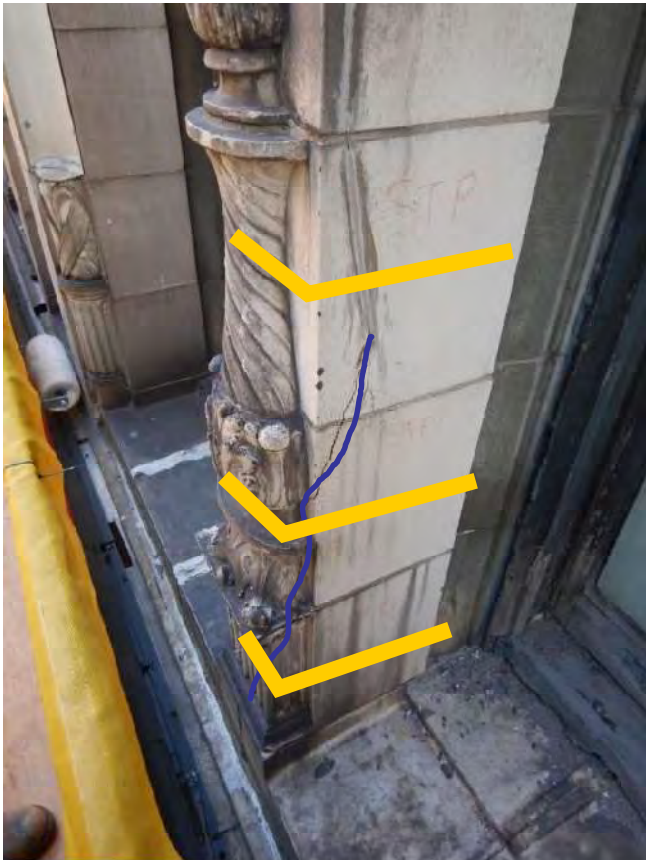


Photo 3: R/S + STRAP (3)



Photo 4: R/S + STRAP (2)



Photo 5: R/S + STRAP (2) (left) & R/S (right)



Photo 6: R/S



Photo 7: R/S

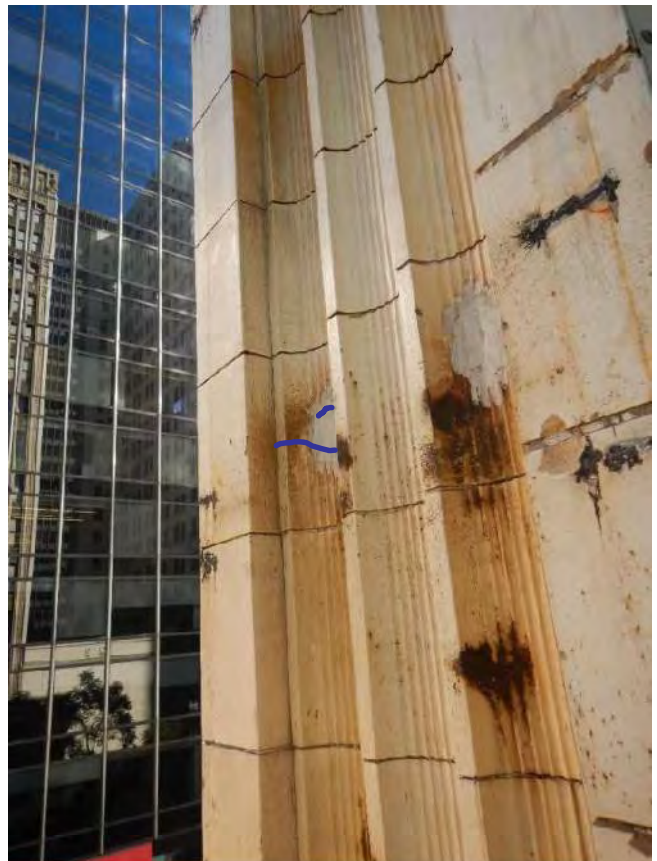


Photo 8: R/S

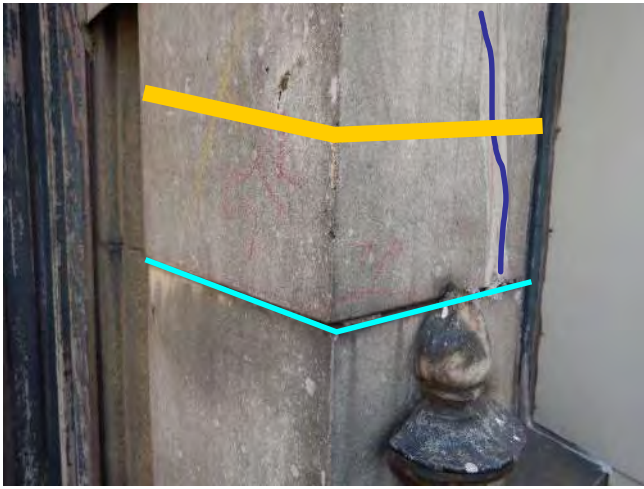


Photo 9: TP + STRAP (1)



Photo 10: R/S



Photo 11: R/S



Photo 12: TP



Photo 13: TP + R/S



Photo 14: TP



Photo 15: TP + R/S



Photo 16: R/S



Photo 17: TP

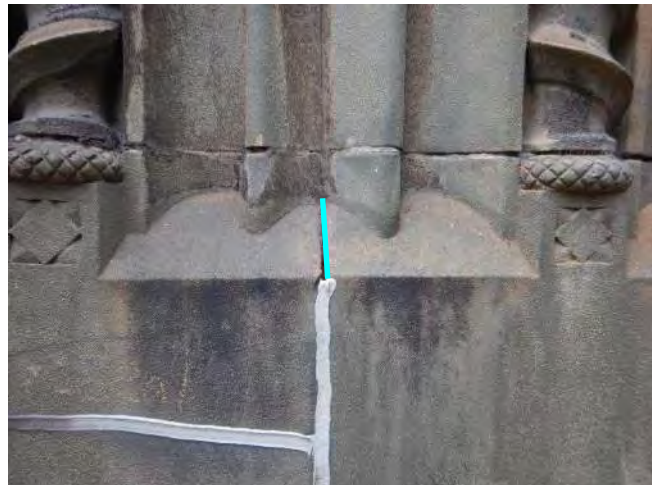


Photo 18: TP



Photo 19: TP



Photo 20: STRAP (2)

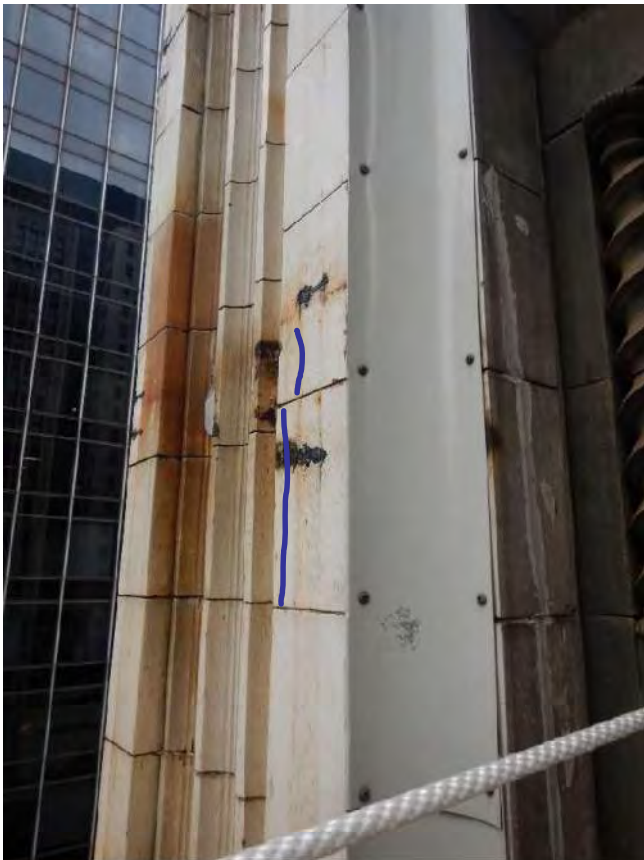


Photo 21: R/S



Photo 22: R/S



Photo 23: R/S

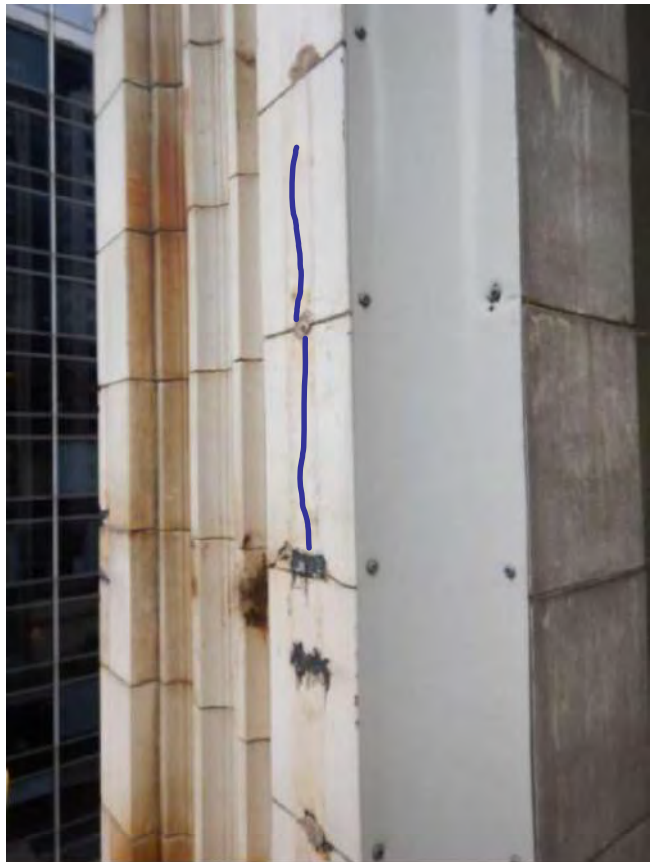


Photo 24: R/S



Photo 25: TP



Photo 26: TP



Photo 27: TP



Photo 28: R/S



Photo 29: R/S

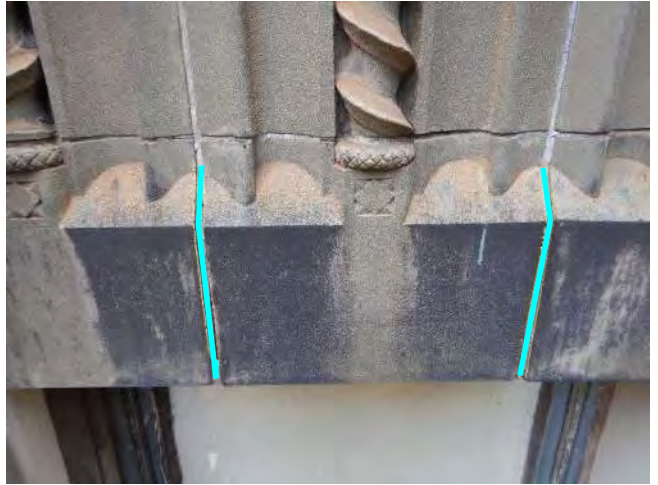


Photo 30: TP



Photo 31: TP



Photo 32: TP



Photo 33: R/S



Photo 34: R/S



Photo 35: R/S



Photo 36: Replace (3) fasteners



Photo 37: R/S



Photo 38: TP

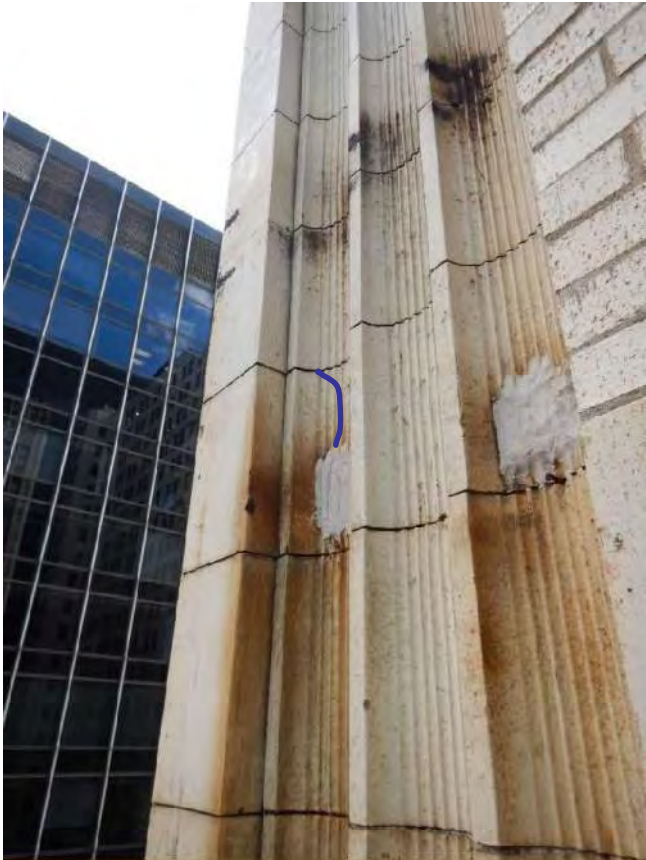


Photo 39: R/S



Photo 40: R/S

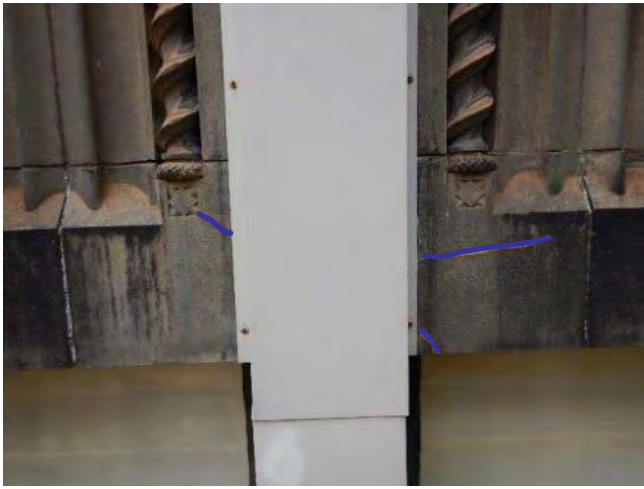


Photo 41: R/S



Photo 42: R/S

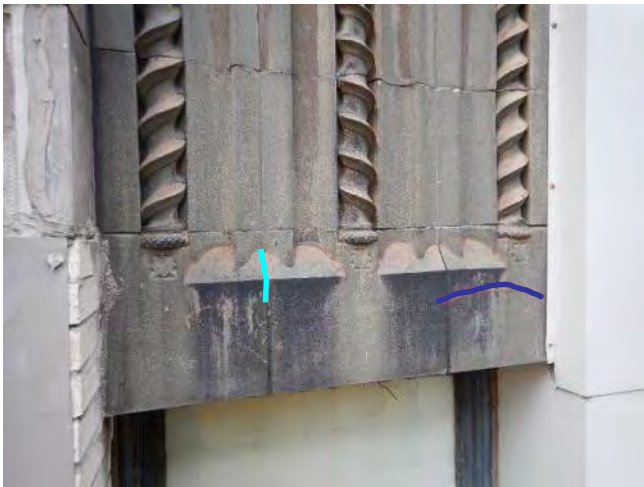


Photo 43: TP (left) & R/S (right)



Photo 44: R/S



Photo 45: R/S



Photo 46: Grind, clean, seal



Photo 47: R/S



Photo 48: TP



Photo 49: TP



Photo 50: TP



Photo 51: TP



Photo 52: TP



Photo 53: TP



Photo 54: TP



Photo 55: TP

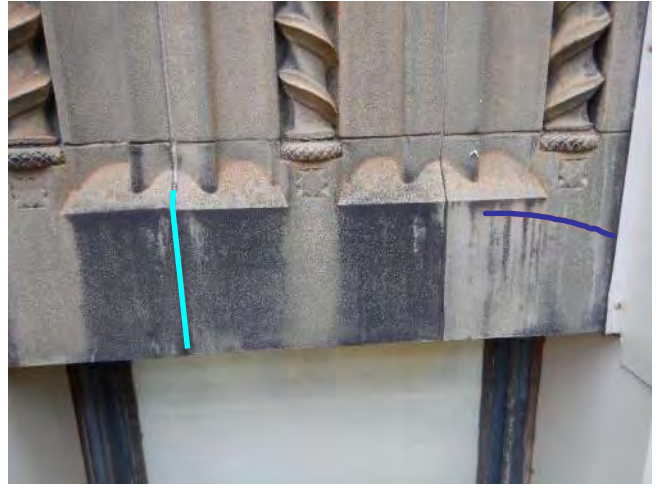


Photo 56: TP (left) & R/S (right)



Photo 57: TP



Photo 58: R/S



Photo 59: TP



Photo 60: TP



Photo 61: TP



Photo 62: TP



Photo 63: TP

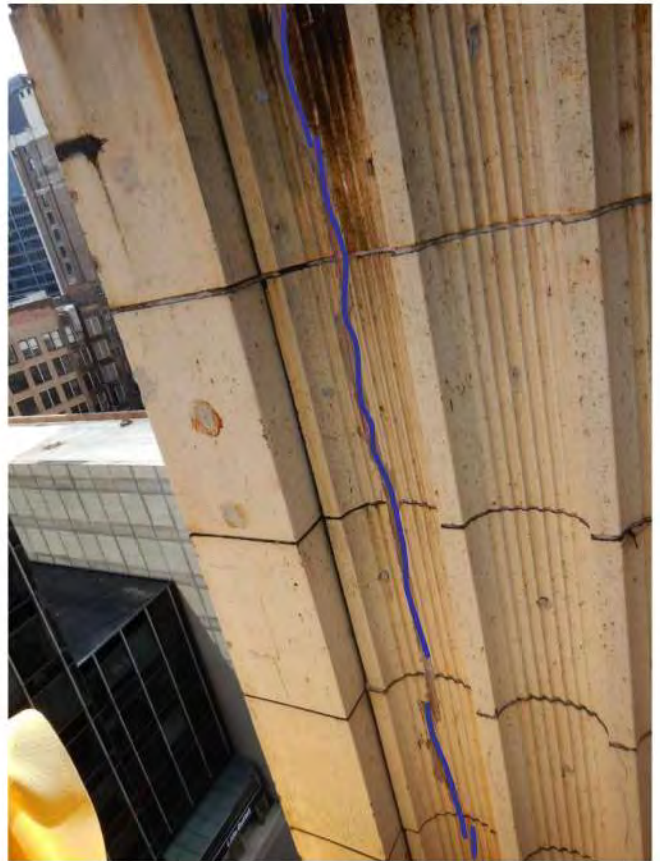


Photo 64: R/S



Photo 65: Replace plywood



Photo 66: TP



Photo 67: TP



Photo 68: TP



Photo 69: TP



Photo 70: TP



Photo 71: R/S



Photo 72: TP



Photo 73: TP



Photo 74: R/S

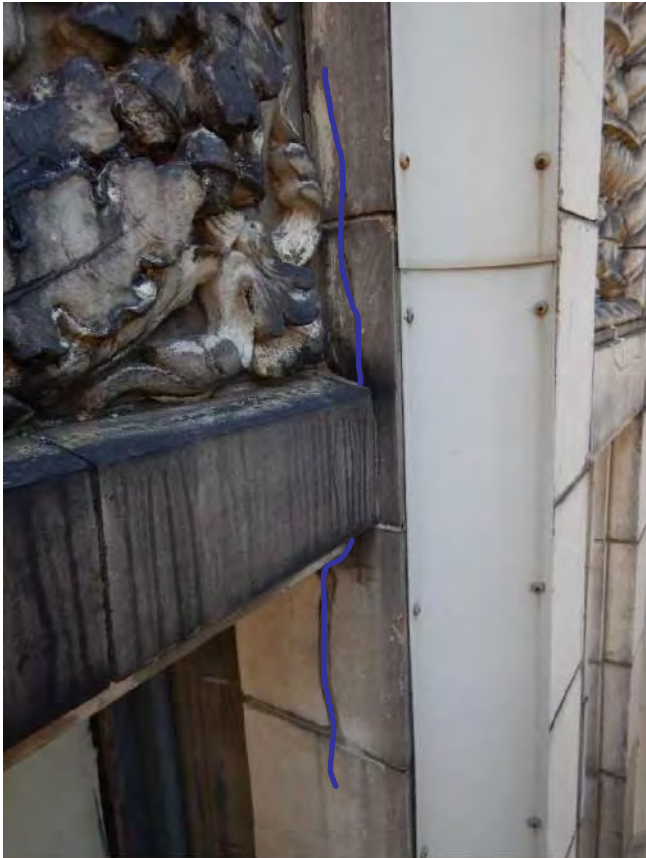


Photo 75: R/S



Photo 76: TP



Photo 77: TP



Photo 78: TP



Photo 79: TP



Photo 80: TP



Photo 81: TP

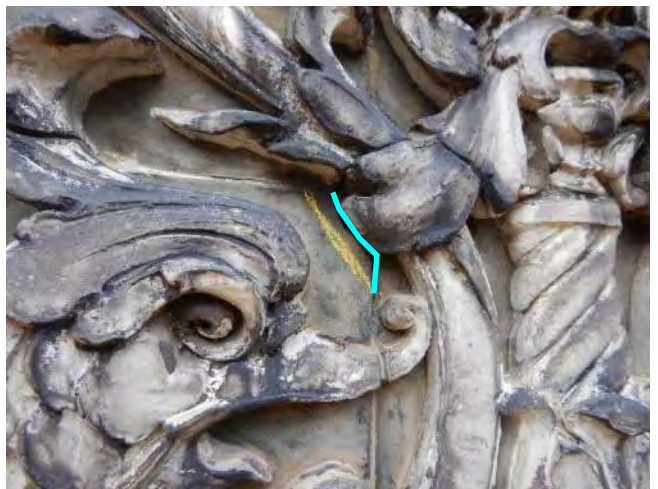


Photo 82: TP



Photo 83: (2) threaded rods per cracked header unit



Photo 84: R/S



Photo 85: TP



Photo 86: Remove loose



Photo 87: R/S

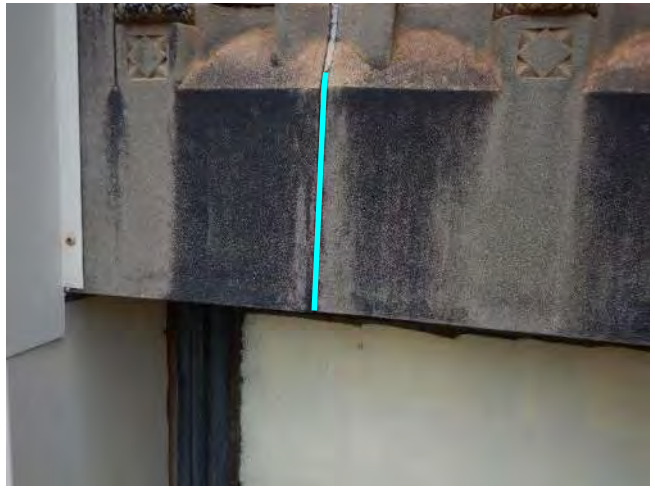


Photo 88: TP

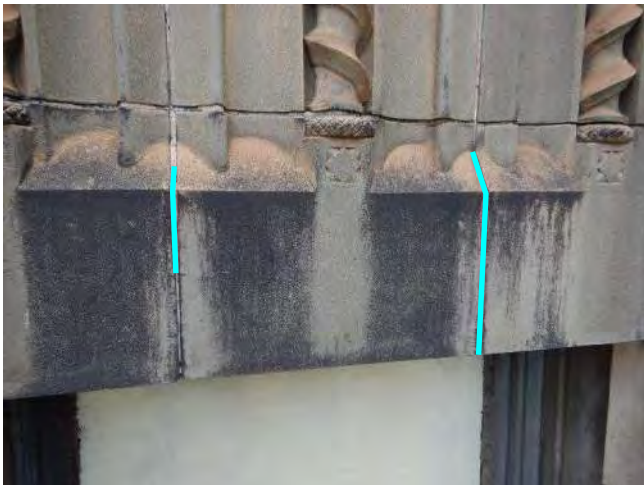


Photo 89: TP



Photo 90: TP



Photo 91: TP



Photo 92: STRAP (2)



Photo 93: Clean & paint steel channels



Photo 94: R/S (left) & TP

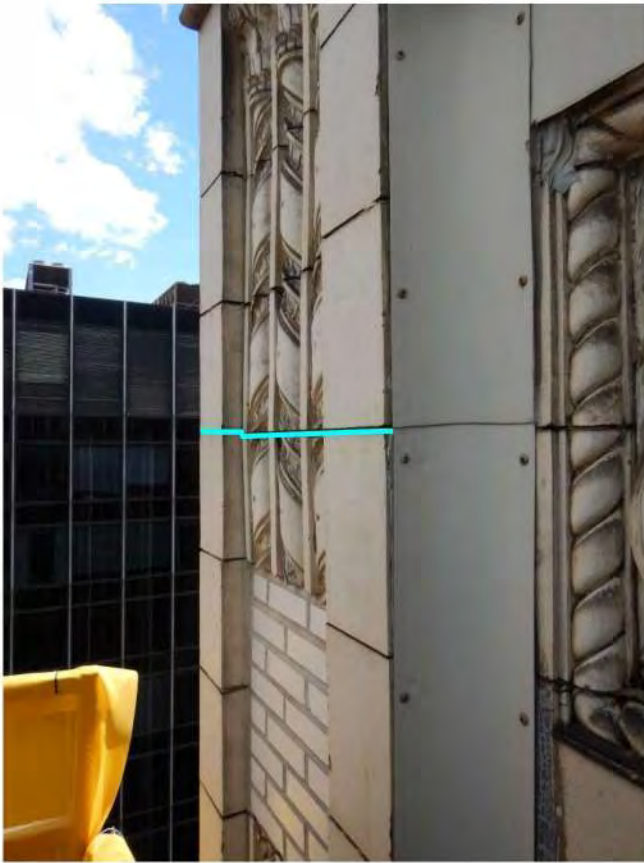


Photo 95: TP



Photo 96: Replace plywood



Photo 97: R/S



Photo 98: R/S



Photo 99: R/S

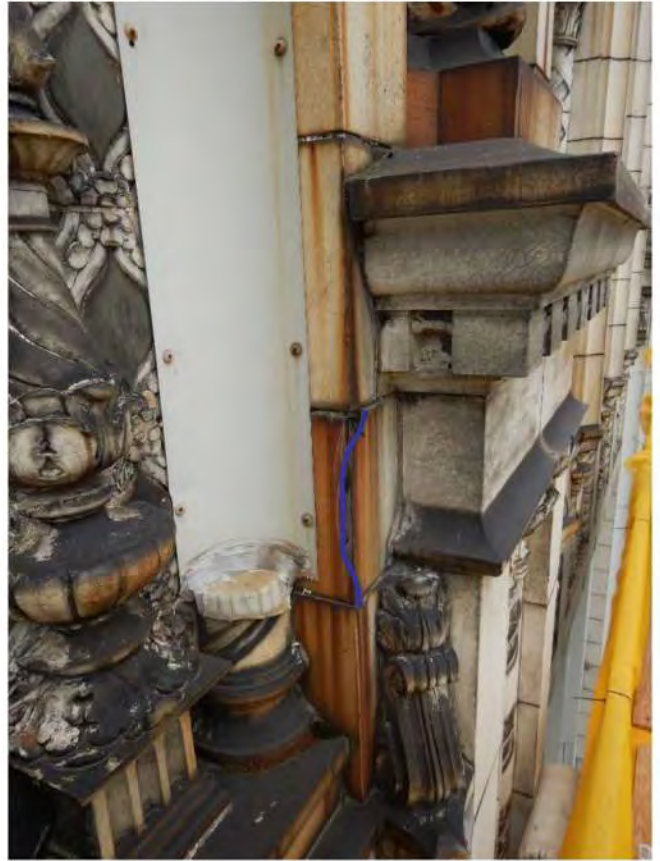


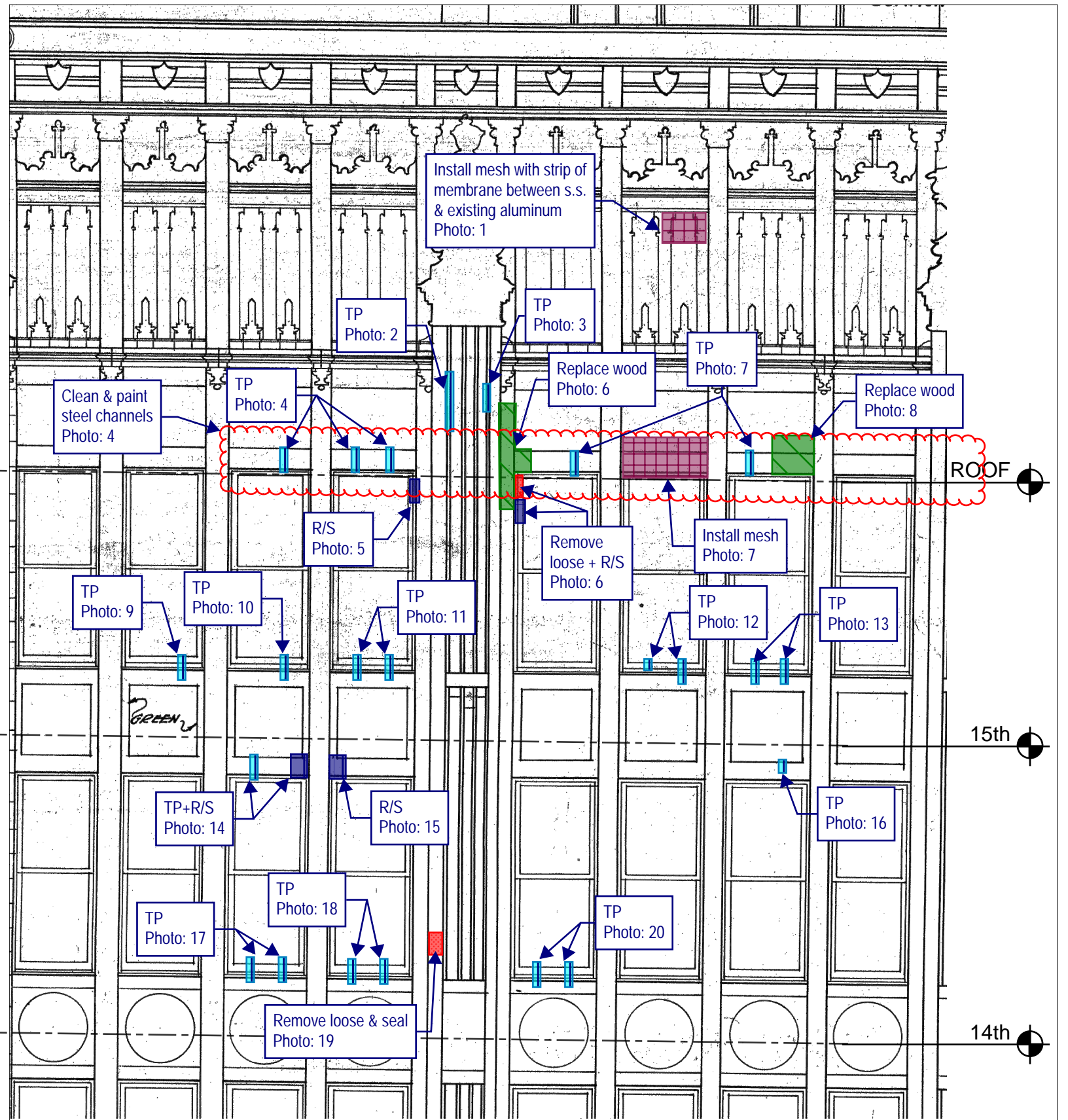
Photo 100: R/S



Photo 101: R/S



Photo 102: Install mesh over urn



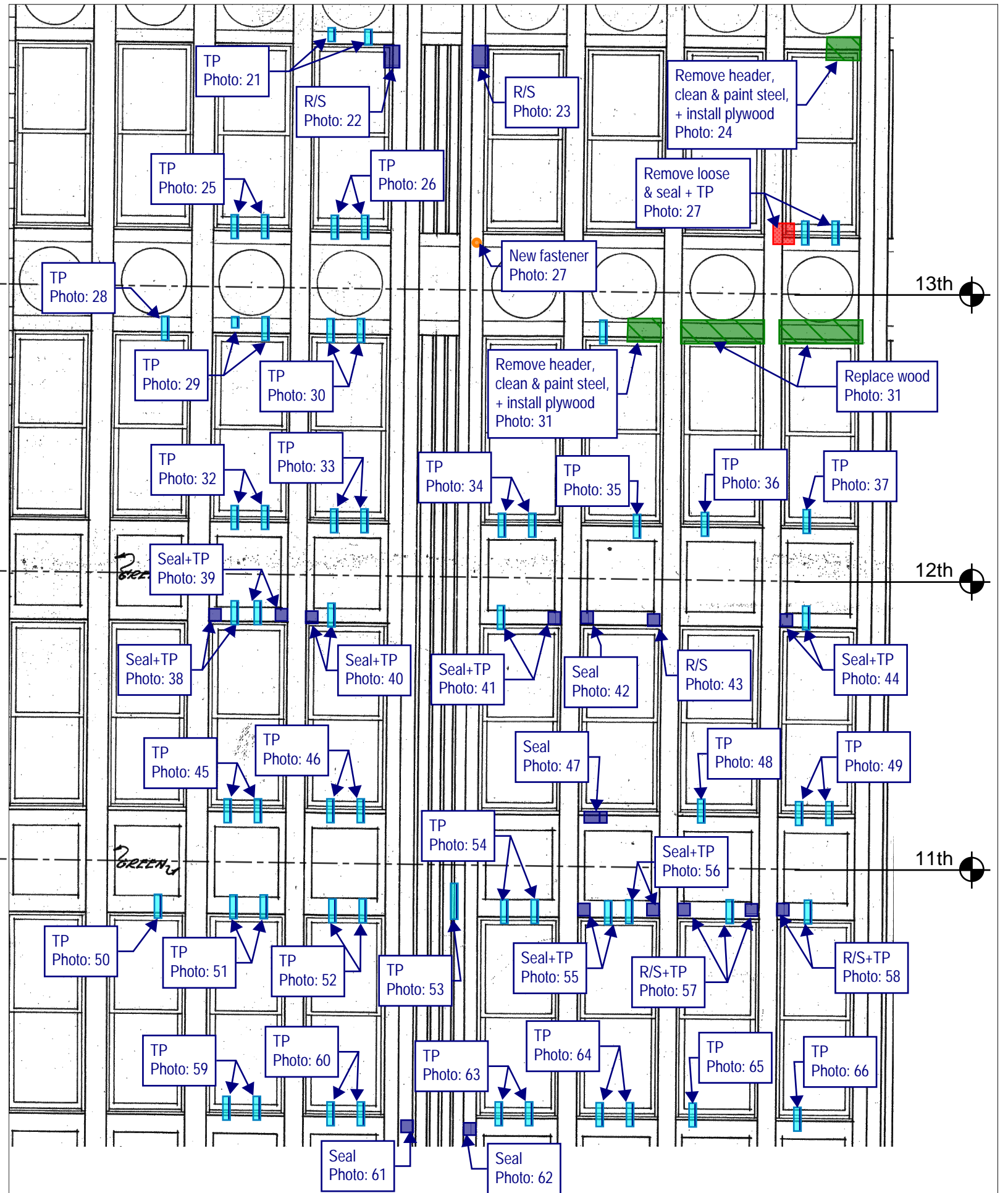
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**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 4 - NORTH ELEVATION	10/16/20	DRAWING No. N-6
No.2			
No.3			
No.4			
No.5			



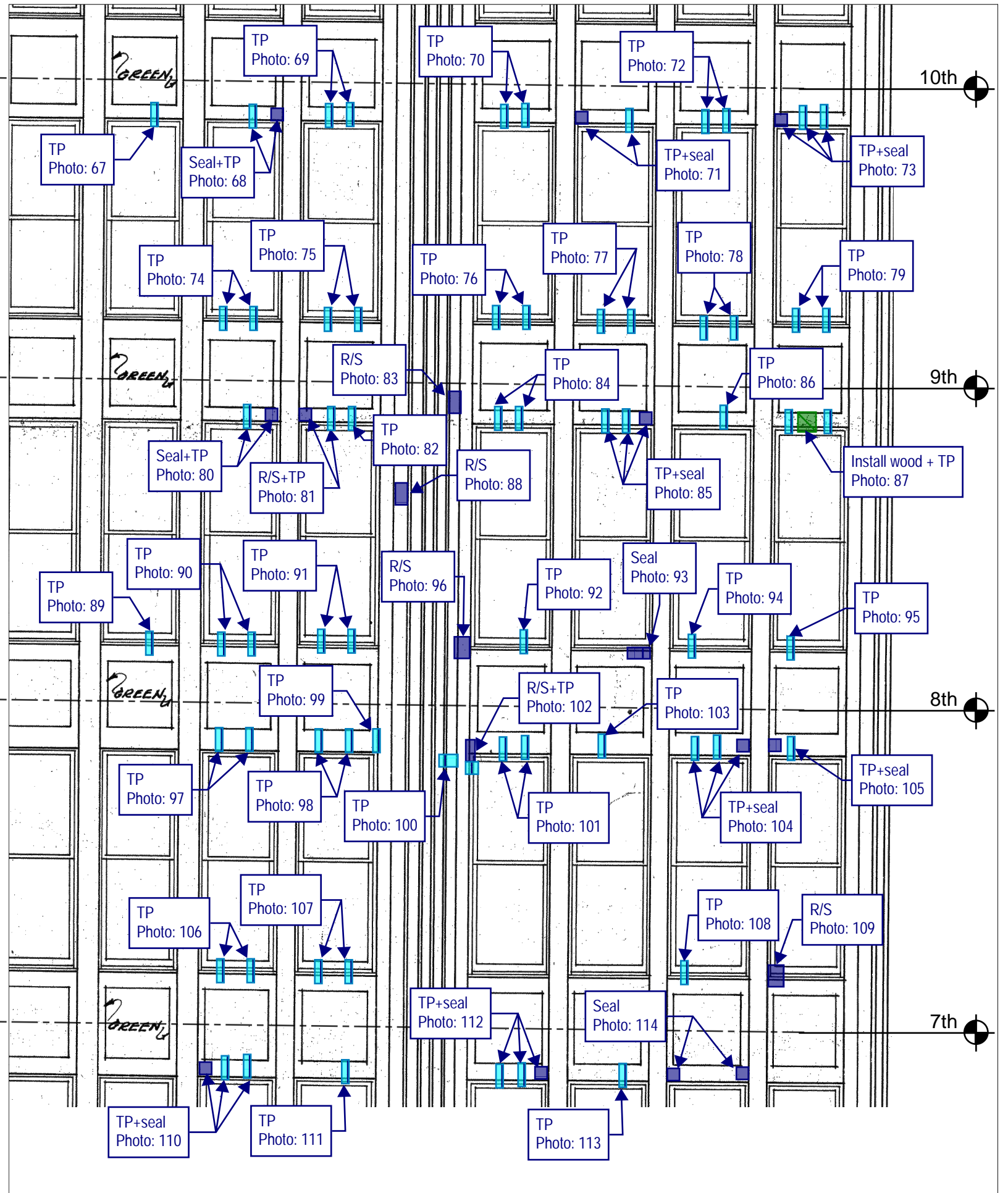
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**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 4 - NORTH ELEVATION	10/16/20	DRAWING No.
No.2			
No.3			
No.4			N-7
No.5			



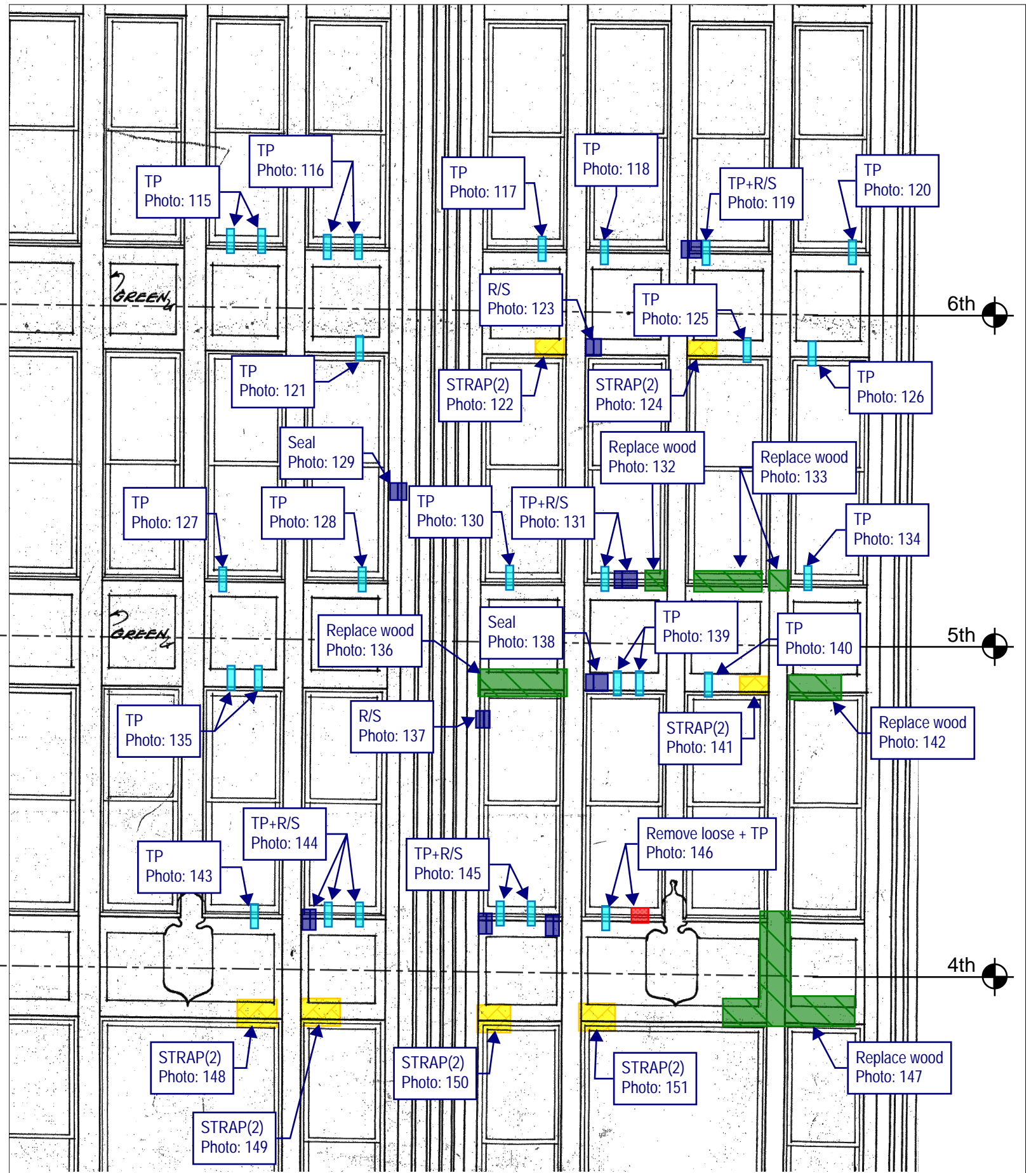
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**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 4 - NORTH ELEVATION	10/16/20	DRAWING No. N-8
No.2			
No.3			
No.4			
No.5			



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**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 4 - NORTH ELEVATION	10/16/20	DRAWING No. N-9
No.2			
No.3			
No.4			
No.5			

R/S
Photo: 152

Remove loose + seal
Photo: 153

STRAP(2)
Photo: 154

R/S
Photo: 156

R/S
Photo: 155

3rd

CUT PRICE DRUGGISTS

2nd

LETTERING IS TO BE SPACED
EVENLY FROM END TO END.

CAST IRON

HINGED IRON SASH

CAST IRON

CAST IRON SILL

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**202 SOUTH STATE STREET
CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 4 - NORTH ELEVATION	10/16/20
No.2		
No.3		
No.4		
No.5		

DRAWING No.

N-10

TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



Rout and seal crack(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and tuckpoint mortar joint.

GENERAL NOTES:

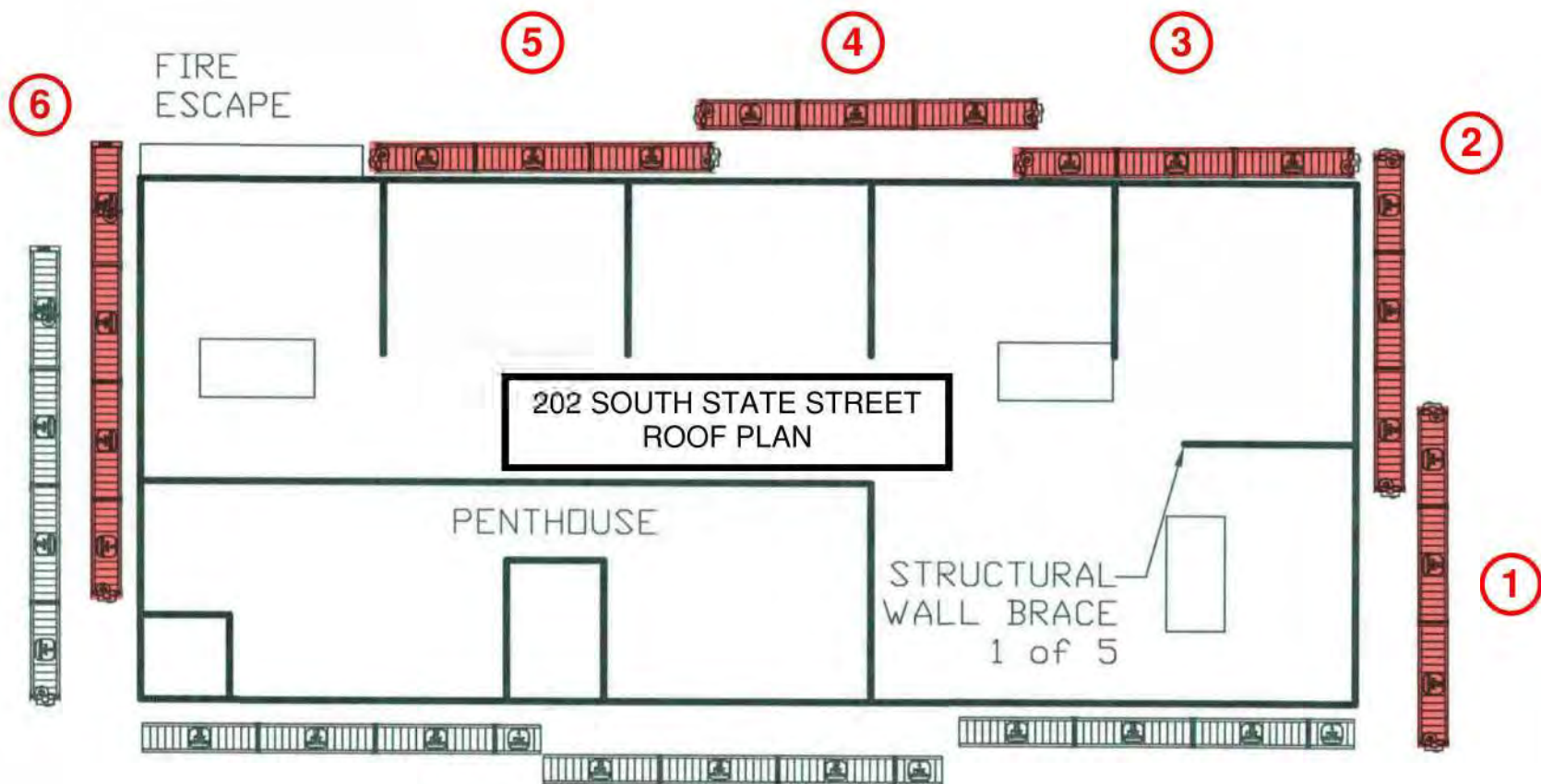
Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum #01, dated October 13, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

Thornton Tomasetti	PROJECT: 202&220 S STATE STREET, CHICAGO, IL	LEGEND-01
	SUBJECT: 2020 TEMPORARY STABILIZATION RPR	
	REFERENCE: C20178.00	
BY: TT	DATE: 10/8/2020	



DRAWING MUST BE REVIEWED IN COLOR

Thornton Tomasetti	PROJECT: 2020 CRITICAL EXAMINATION, 220 AND 220 SOUTH STATE STREET	SSK-002
	SUBJECT: PROPOSED DROP PLAN	
BY: GH DATE: 08/12/2020	REFERENCE:	

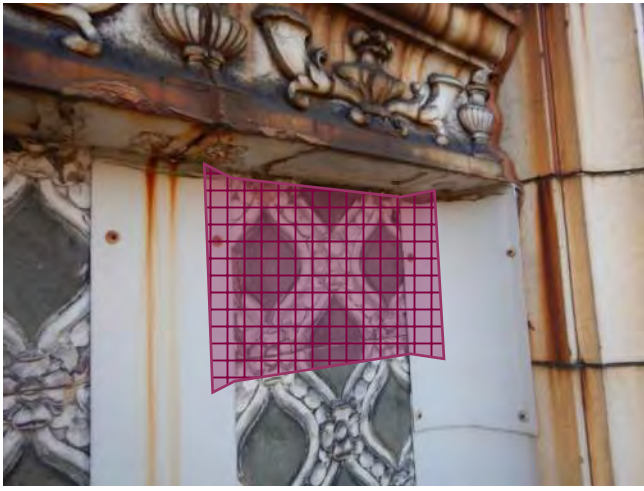


Photo 1: Install mesh with strip of membrane between s.s. & existing aluminum

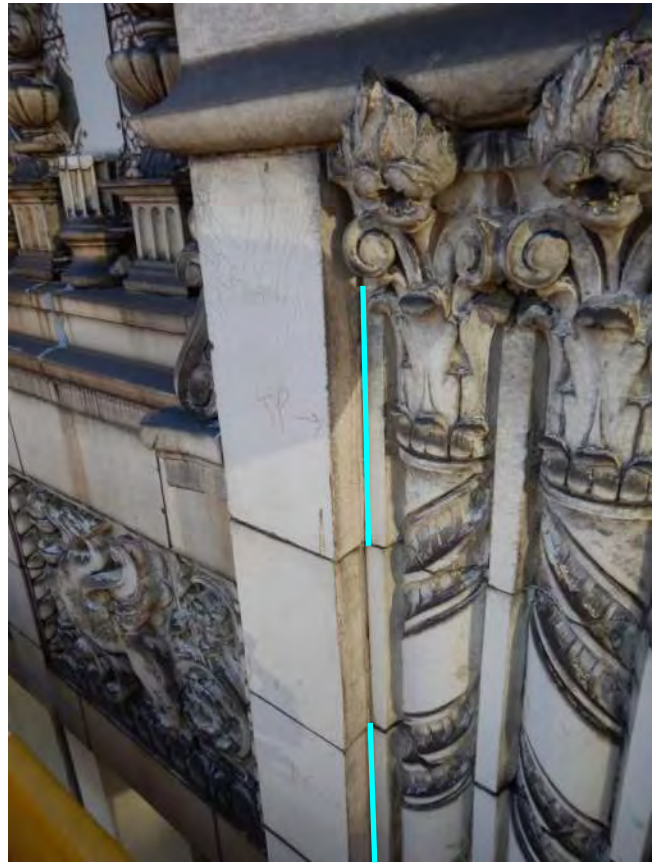


Photo 2: TP



Photo 3: TP



Photo 4: Clean & paint steel channels



Photo 5: R/S

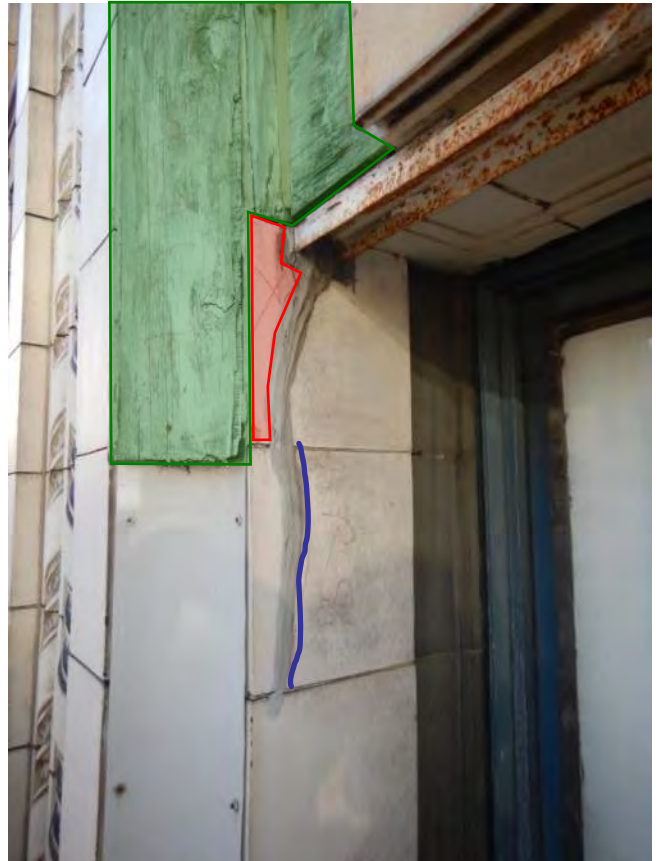


Photo 6: Replace wood, remove loose + R/S

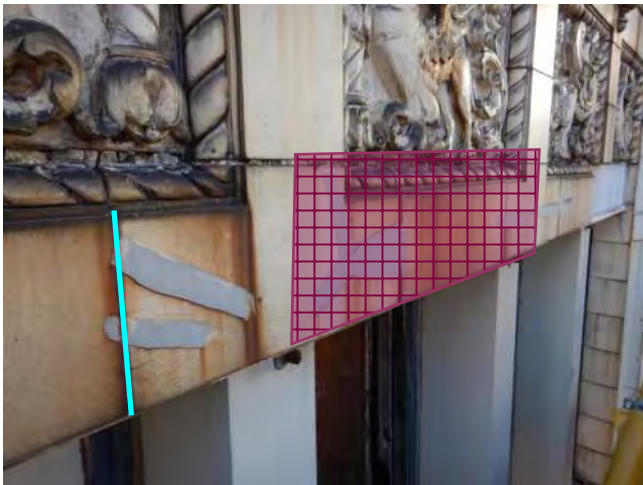


Photo 7: TP + Install mesh



Photo 8: Replace wood



Photo 9: TP



Photo 10: TP



Photo 11: TP



Photo 12: TP



Photo 13: TP



Photo 14: TP + R/S

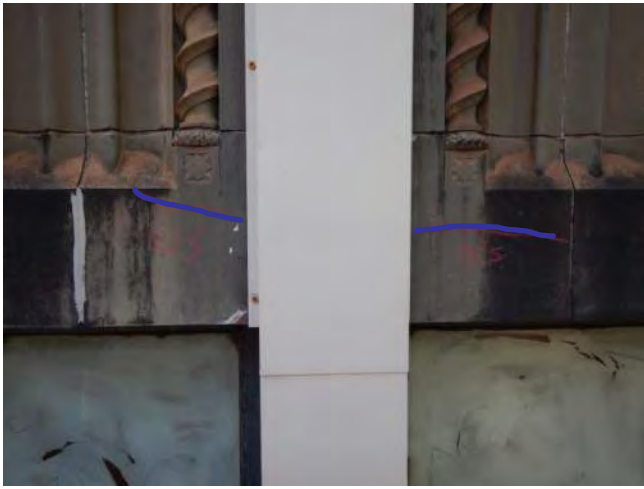


Photo 15: R/S



Photo 16: TP



Photo 17: TP



Photo 18: TP

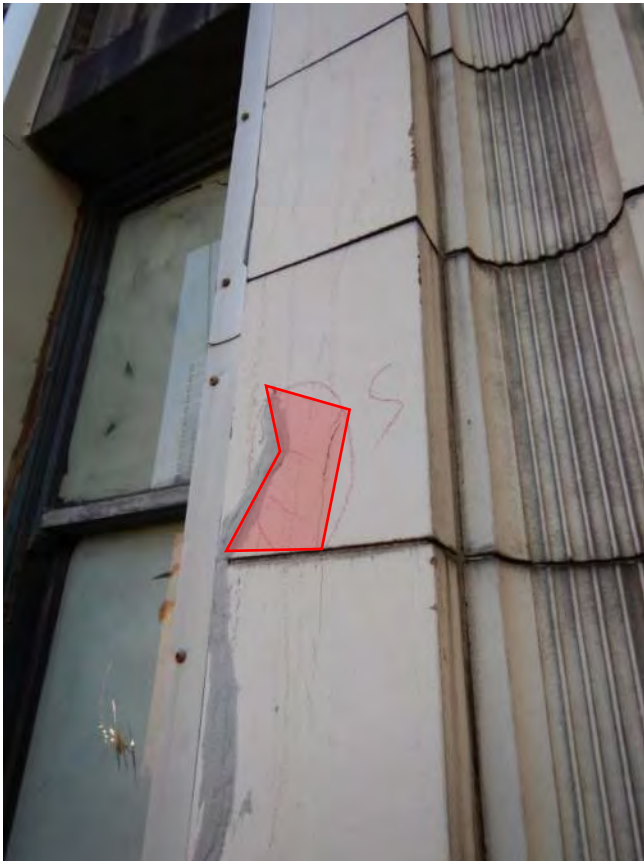


Photo 19: Remove loose & seal



Photo 20: TP



Photo 21: TP



Photo 22: R/S



Photo 23: R/S



Photo 24: Remove header, clean & paint steel, + install plywood



Photo 25: TP



Photo 26: TP



Photo 27: New fastener



Photo 28: TP

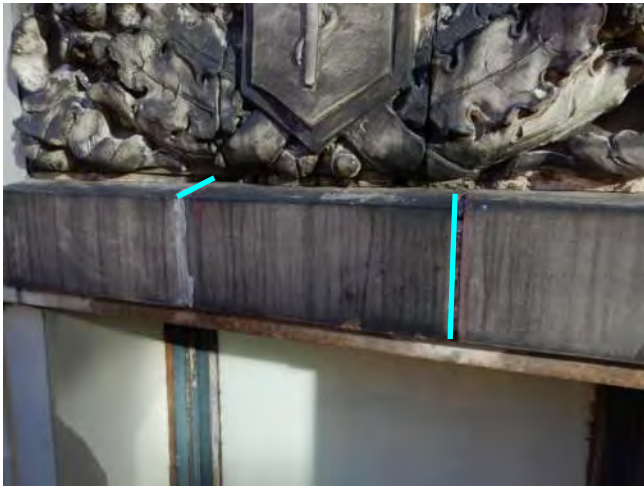


Photo 29: TP

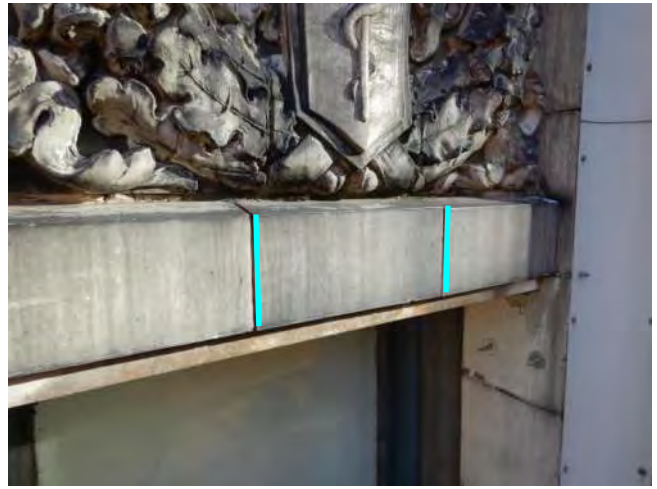


Photo 30: TP

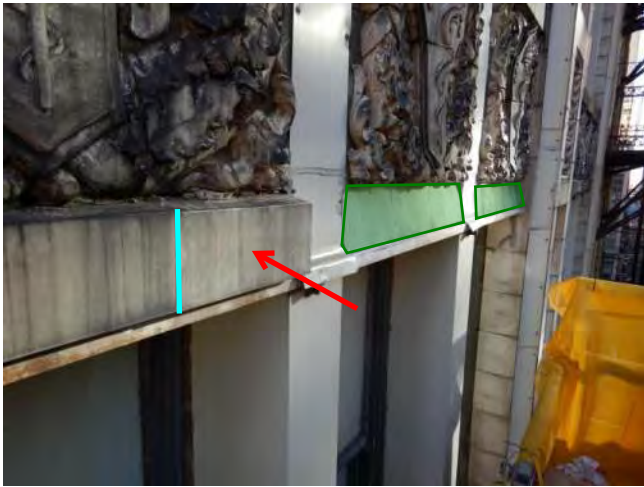


Photo 31: Remove header, clean & paint steel, + install plywood. & TP



Photo 32: TP



Photo 33: TP



Photo 34: TP



Photo 35: TP



Photo 36: TP



Photo 37: TP

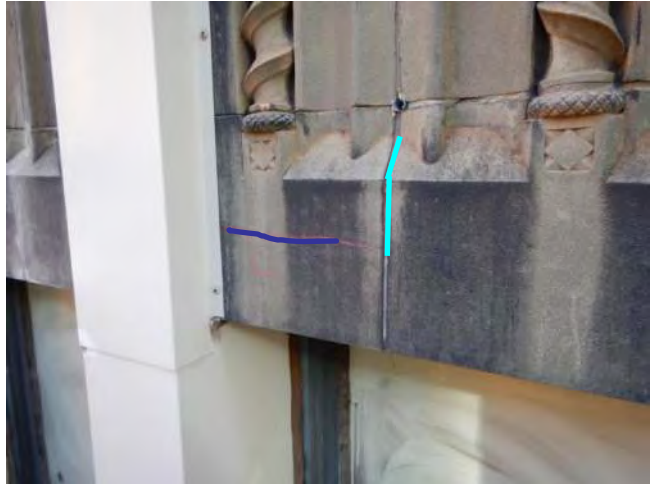


Photo 38: Seal+TP



Photo 39: Seal+TP



Photo 40: Seal+TP

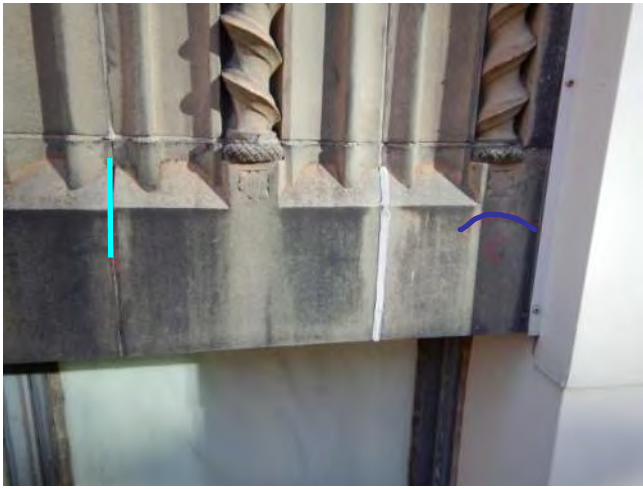


Photo 41: TP + seal



Photo 42: Seal



Photo 43: R/S

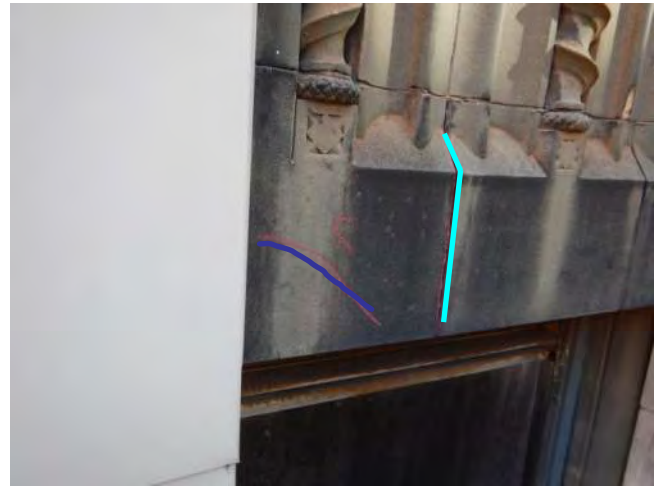


Photo 44: Seal+TP



Photo 45: TP



Photo 46: TP



Photo 47: Seal



Photo 48: TP



Photo 49: TP

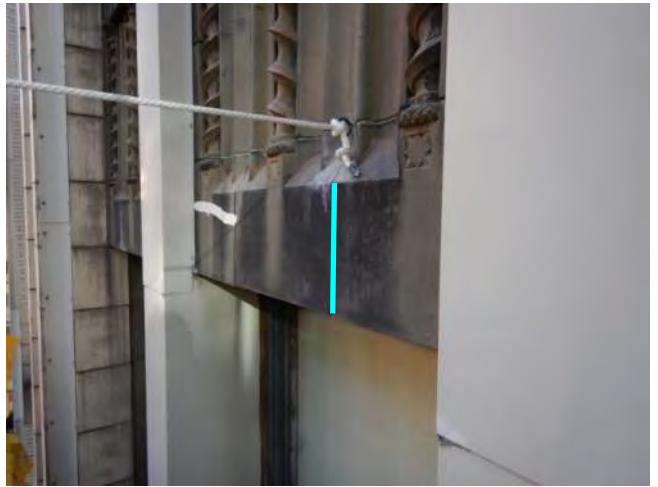


Photo 50: TP



Photo 51: TP

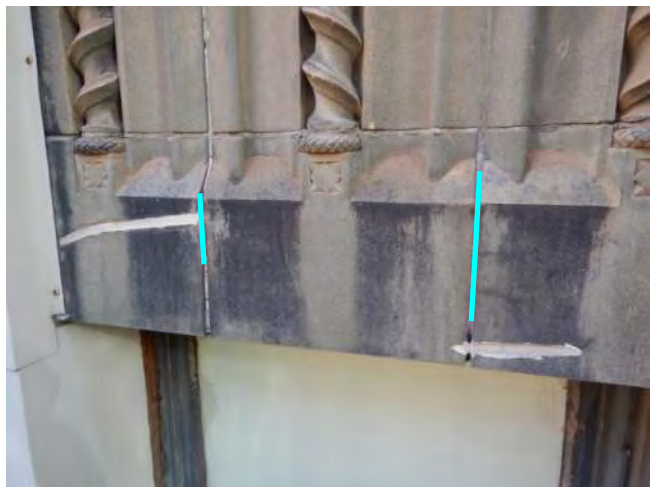


Photo 52: TP

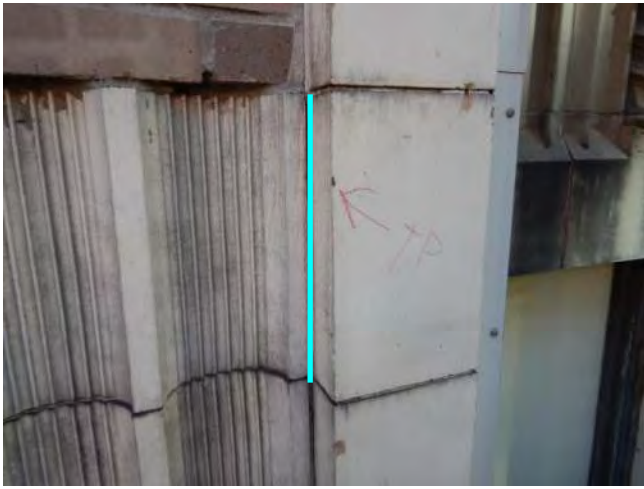


Photo 53: TP

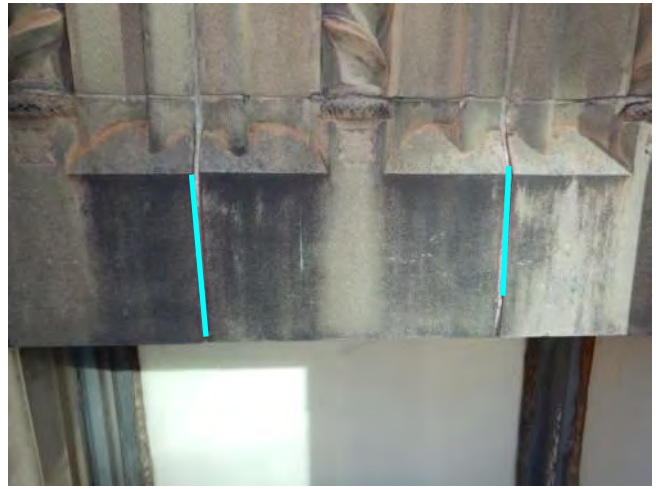


Photo 54: TP

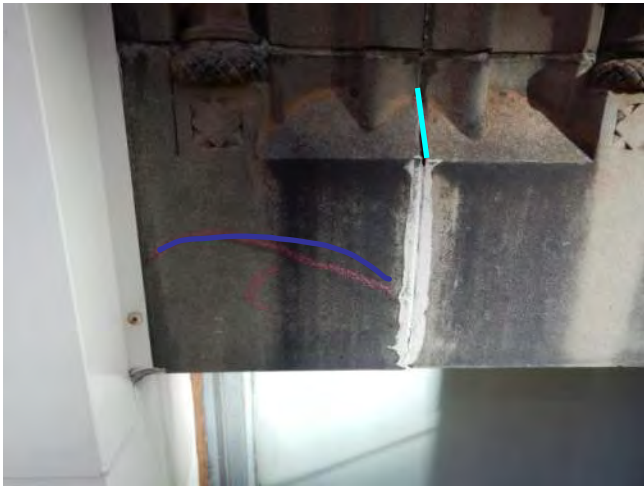


Photo 55: Seal+TP

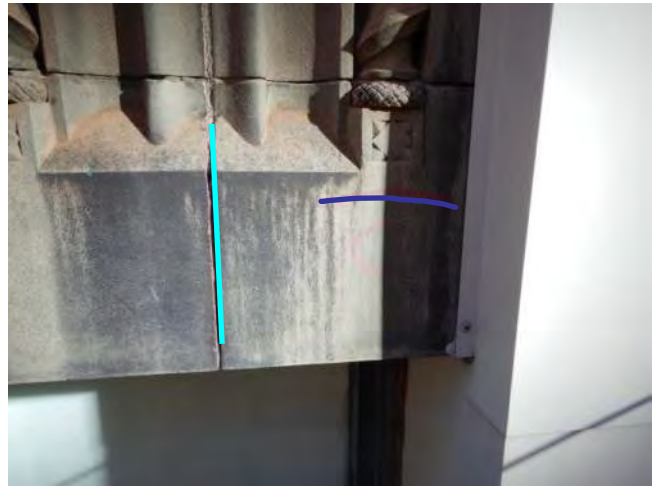


Photo 56: Seal+TP

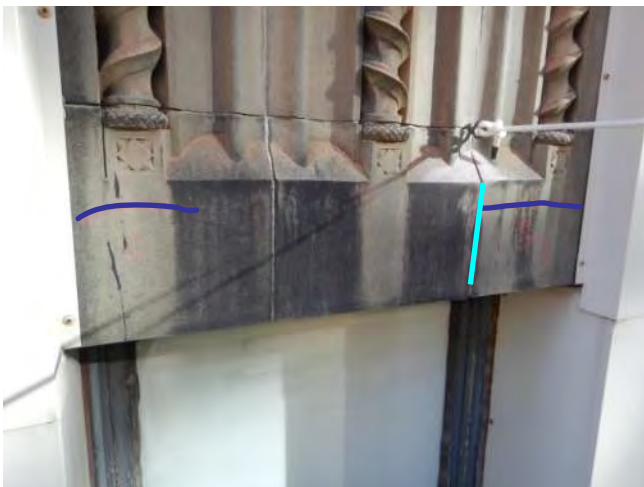


Photo 57: R/S+TP

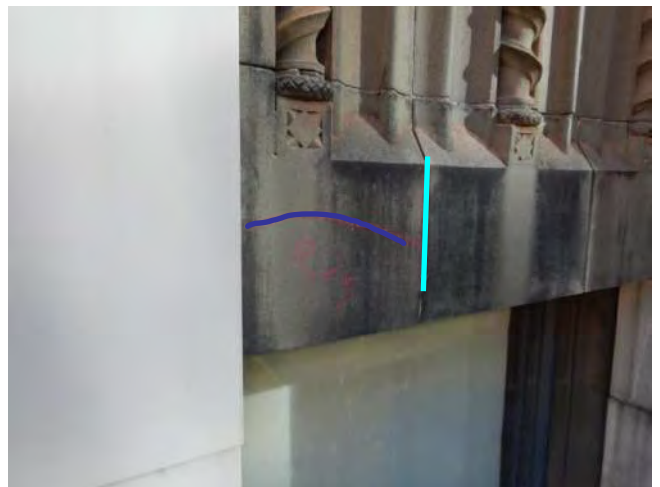


Photo 58: R/S+TP



Photo 59: TP



Photo 60: TP



Photo 61: Seal



Photo 62: Seal



Photo 63: TP



Photo 64: TP



Photo 65: TP



Photo 66: TP

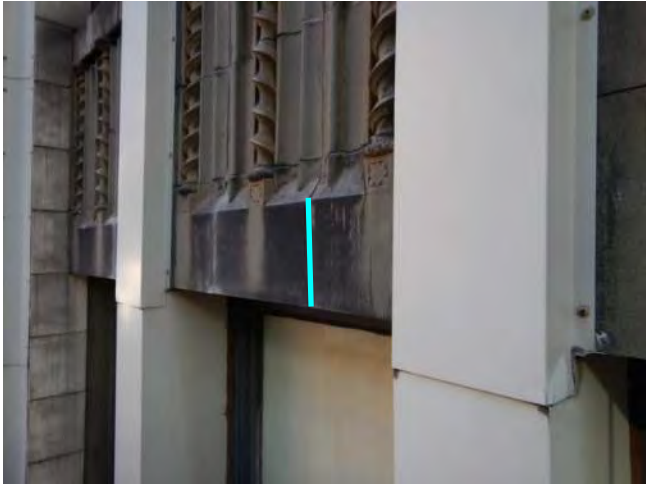


Photo 67: TP

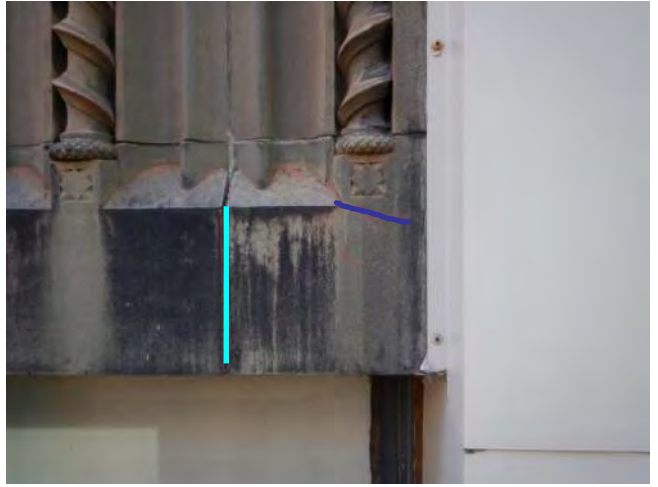


Photo 68: Seal+TP

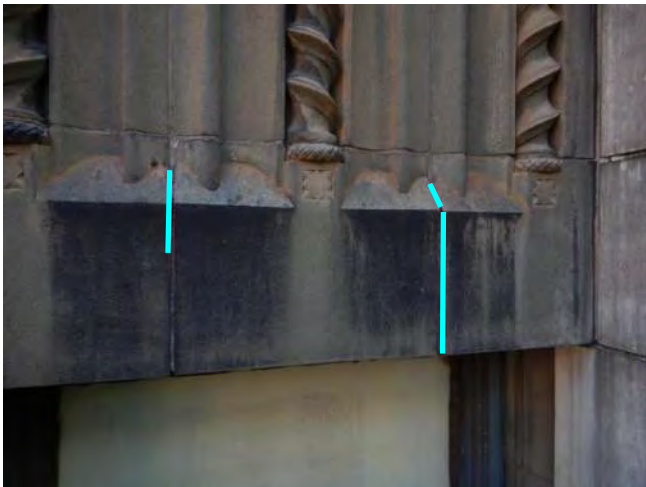


Photo 69: TP

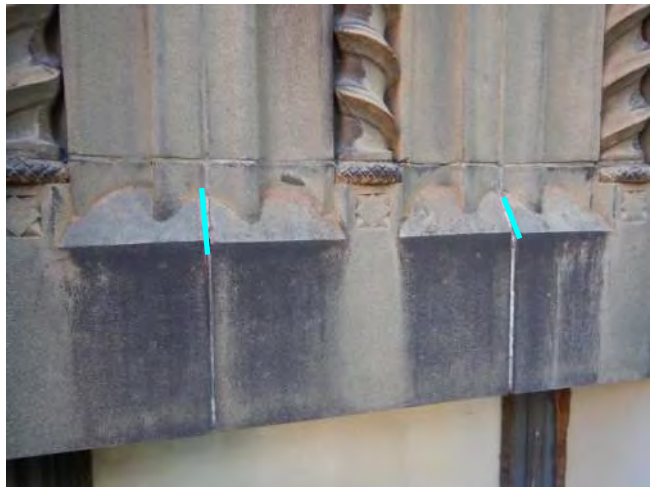


Photo 70: TP

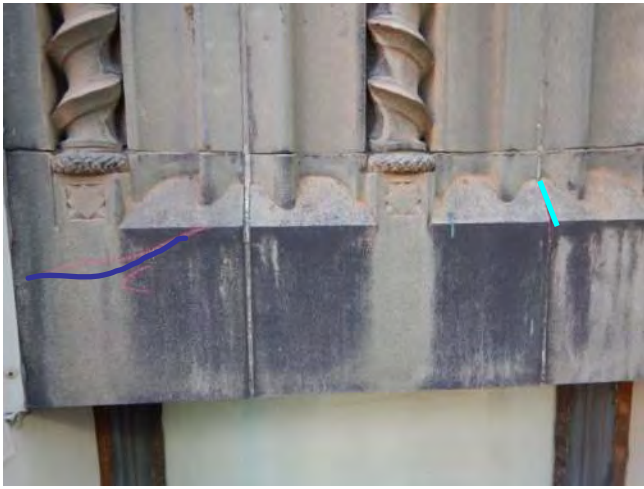


Photo 71: TP+seal



Photo 72: TP

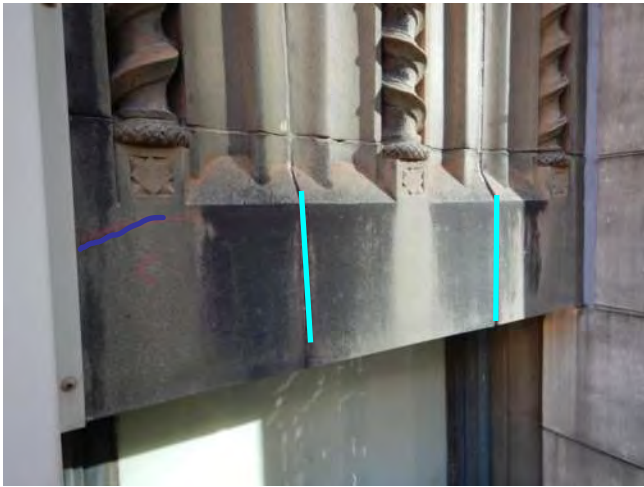


Photo 73: TP+seal



Photo 74: TP



Photo 75: TP



Photo 76: TP



Photo 77: TP



Photo 78: TP



Photo 79: TP



Photo 80: Seal+TP

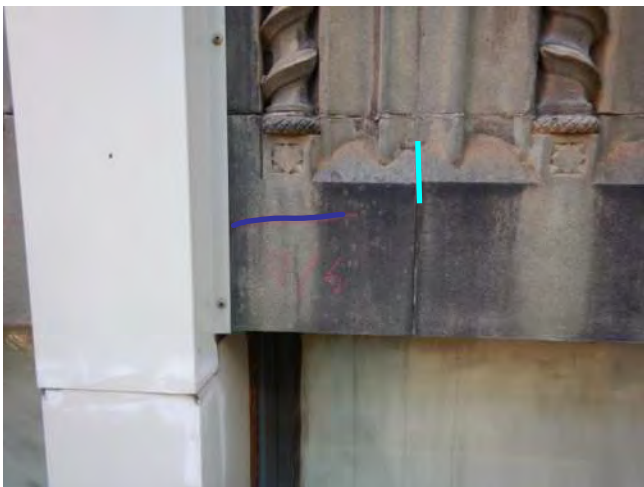


Photo 81: R/S+TP



Photo 82: TP



Photo 83: R/S

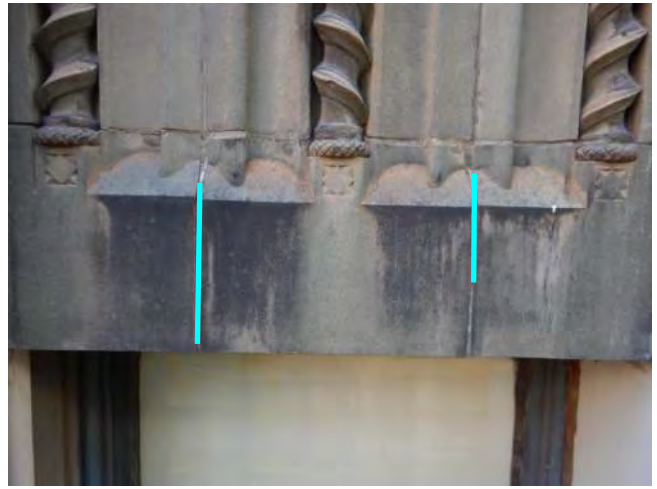


Photo 84: TP

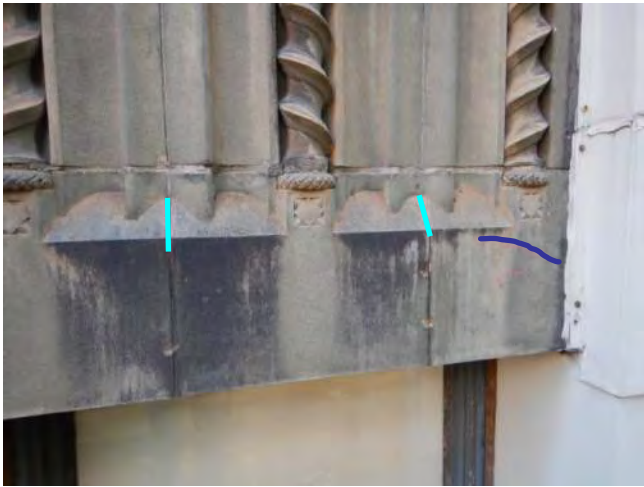


Photo 85: TP+seal

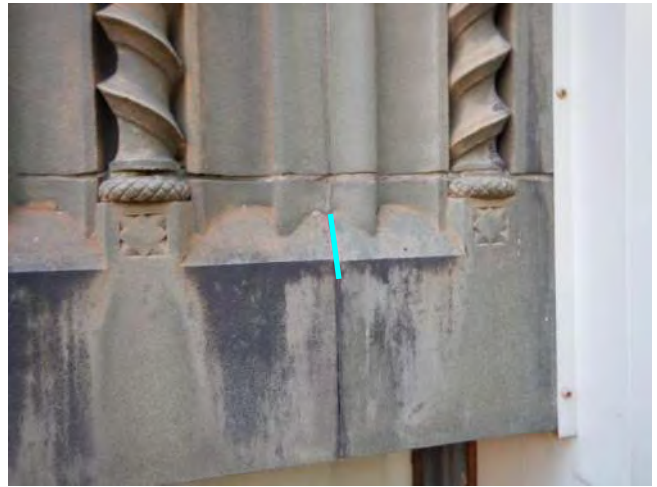


Photo 86: TP



Photo 87: Install wood + TP



Photo 88: R/S



Photo 89: TP



Photo 90: TP

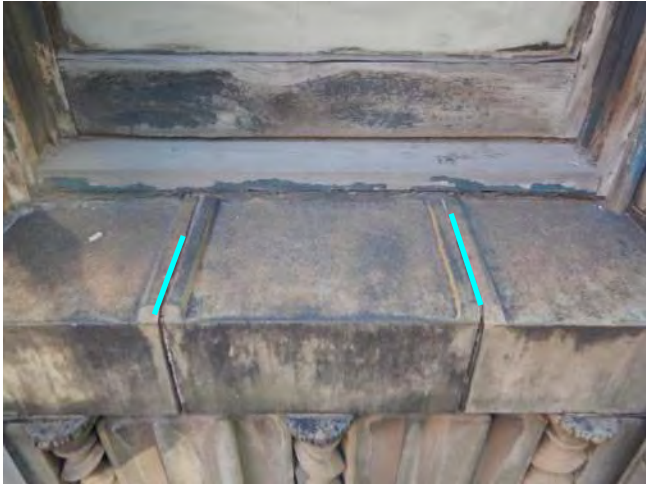


Photo 91: TP



Photo 92: TP



Photo 93: Seal



Photo 94: TP



Photo 95: TP



Photo 96: R/S

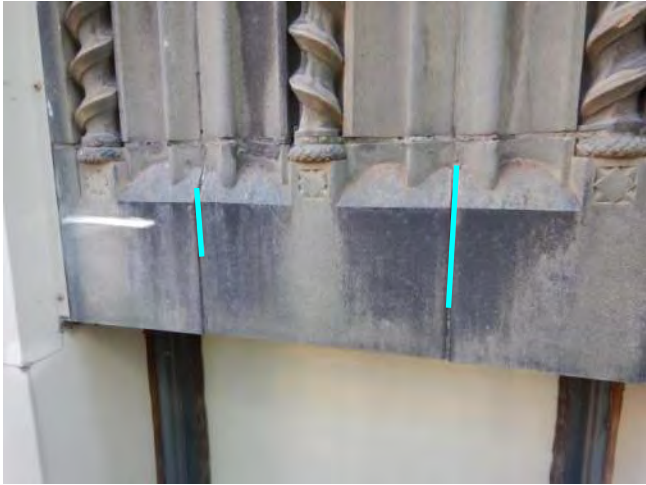


Photo 97: TP

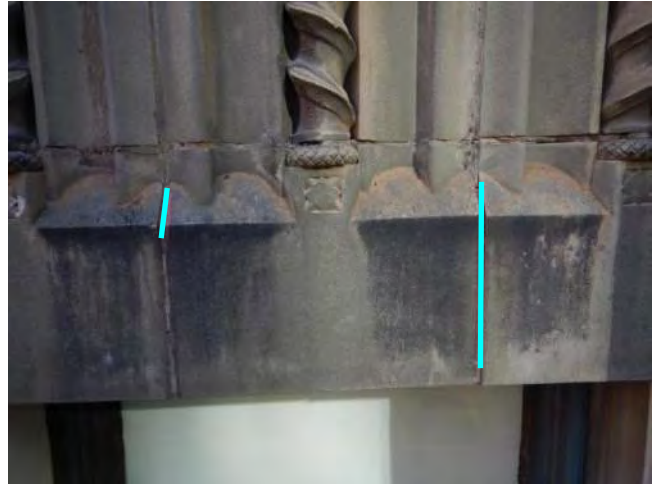


Photo 98: TP



Photo 99: TP

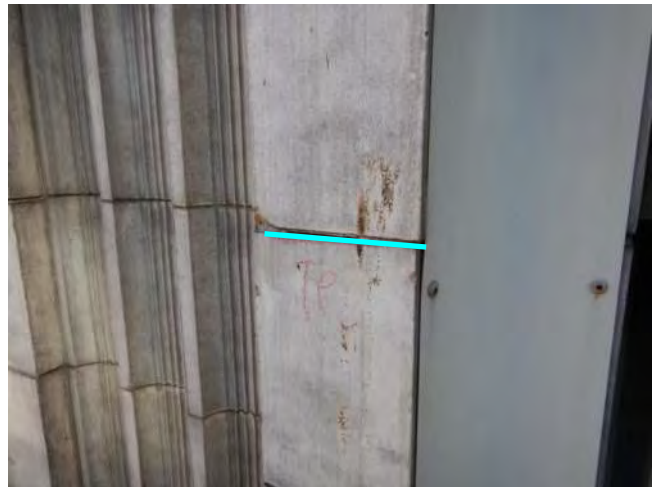


Photo 100: TP

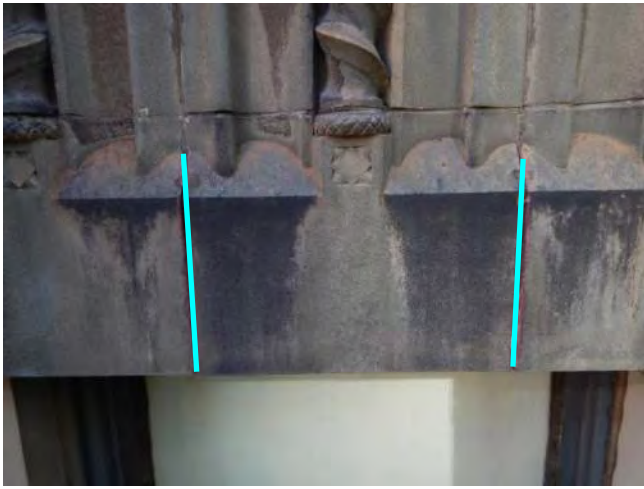


Photo 101: TP



Photo 102: R/S+TP

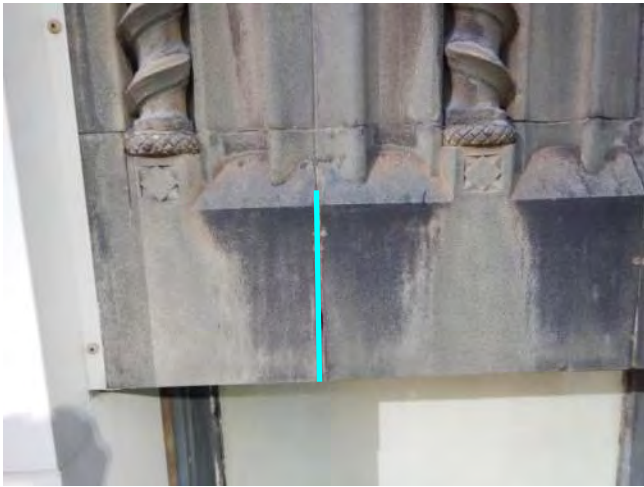


Photo 103: TP

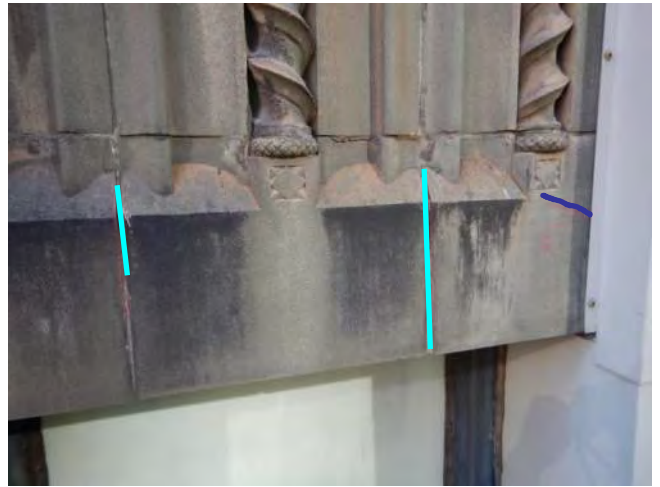


Photo 104: TP+seal

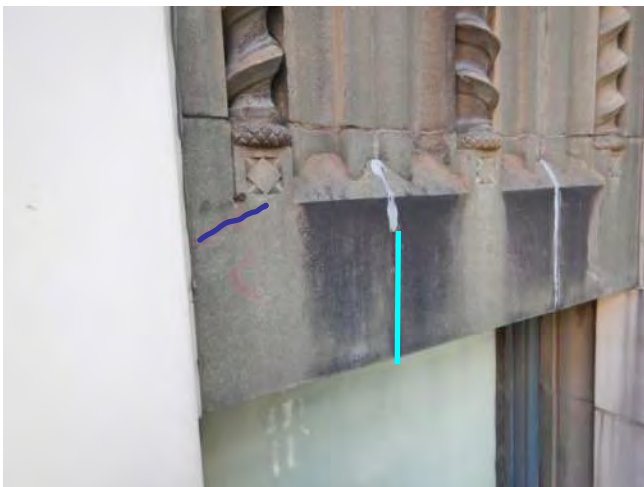


Photo 105: TP+seal



Photo 106: TP



Photo 107: TP



Photo 108: TP



Photo 109: R/S

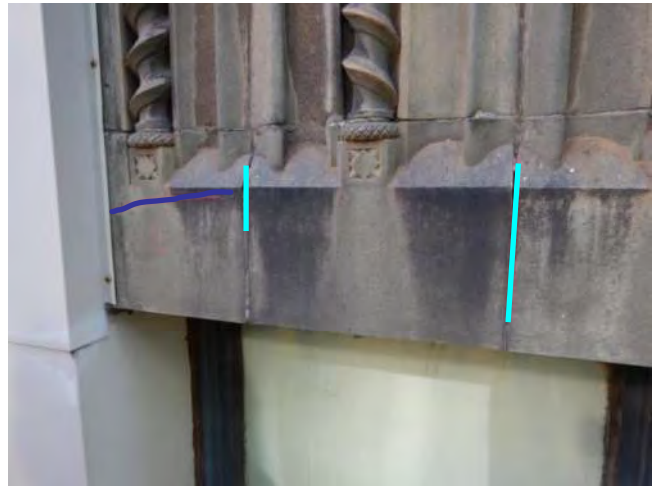


Photo 110: TP+seal

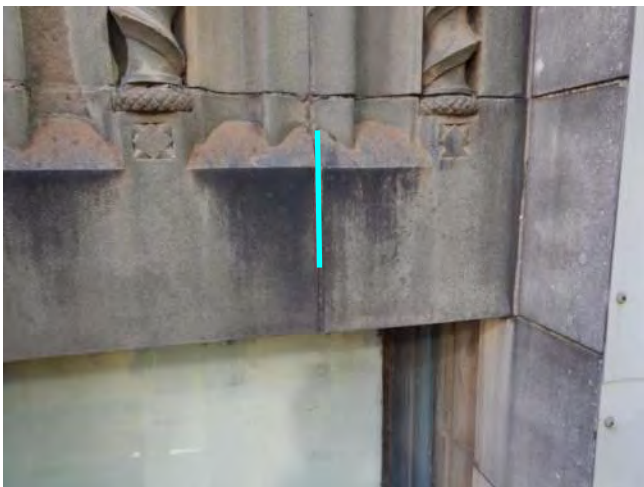


Photo 111: TP

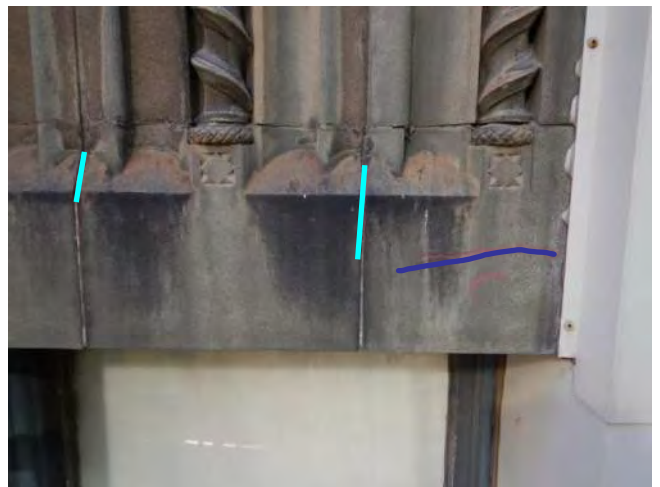


Photo 112: TP+seal

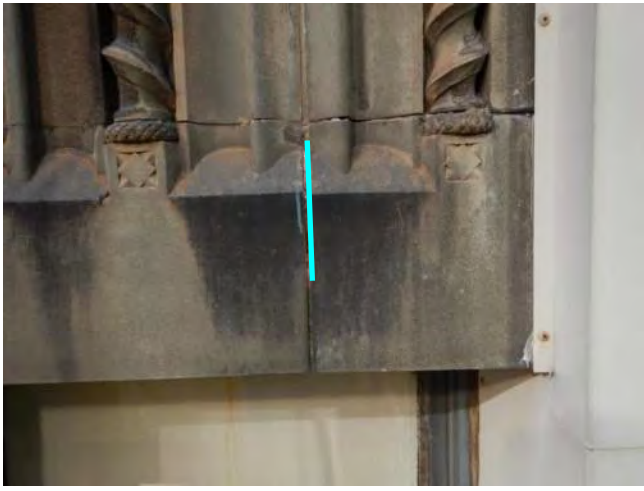


Photo 113: TP

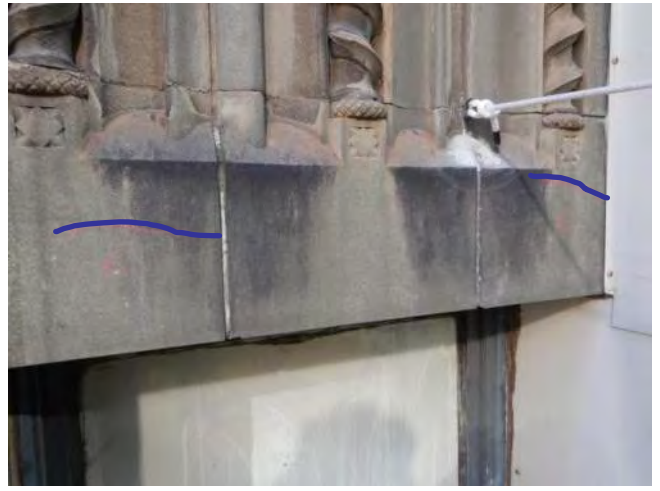


Photo 114: Seal



Photo 115: TP



Photo 116: TP



Photo 117: TP



Photo 118: TP



Photo 119: TP+R/S

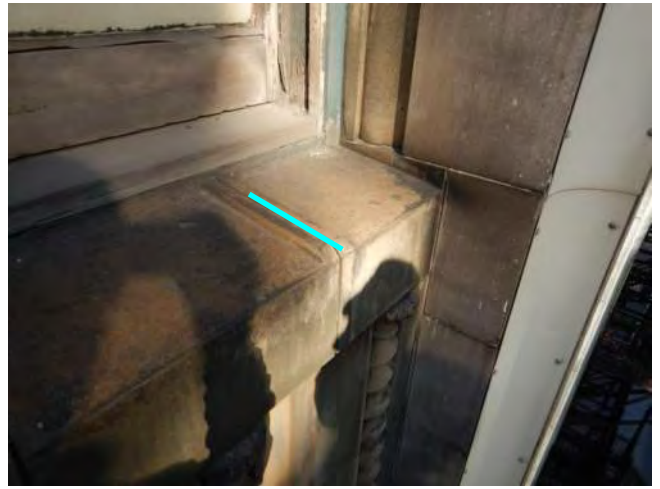


Photo 120: TP

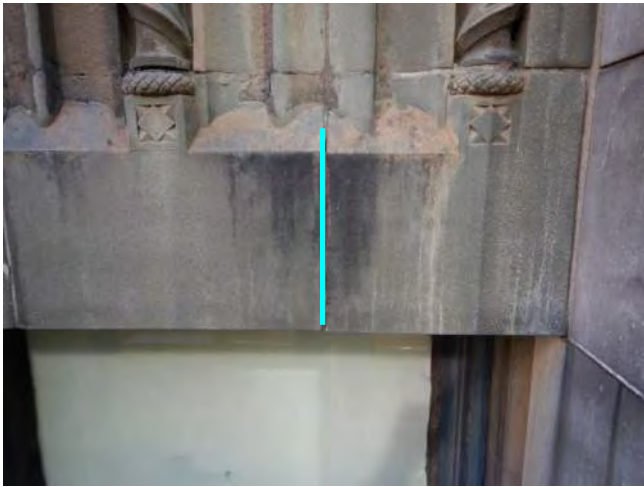


Photo 121: TP



Photo 122: STRAP(2)



Photo 123: R/S

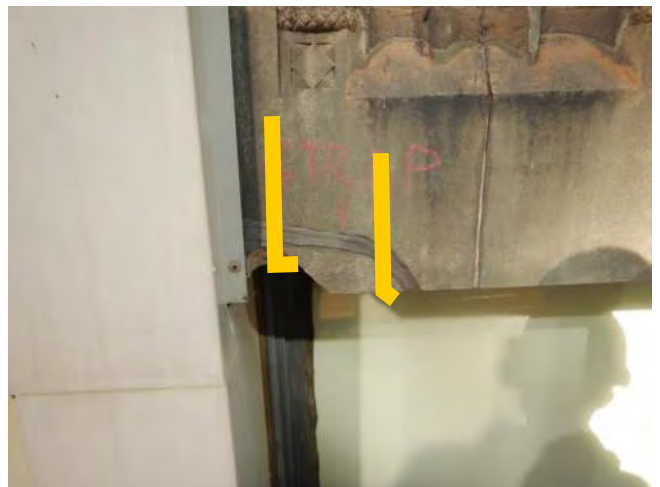


Photo 124: STRAP(2)



Photo 125: TP



Photo 126: TP



Photo 127: TP



Photo 128: TP



Photo 129: Seal



Photo 130: TP



Photo 131: TP+R/S

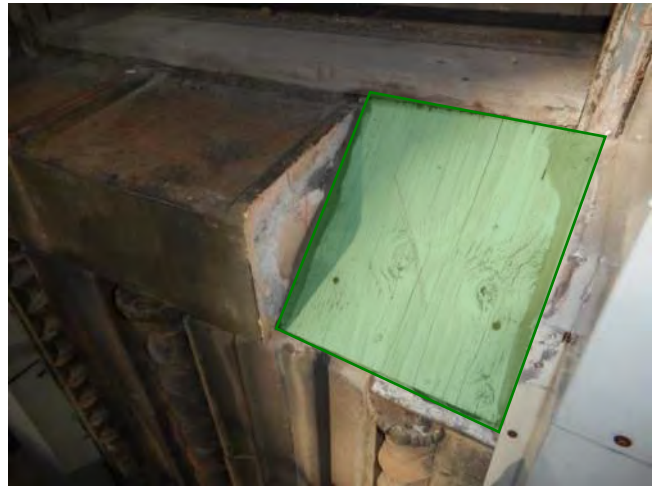


Photo 132: Replace wood



Photo 133: Replace wood



Photo 134: TP



Photo 135: TP

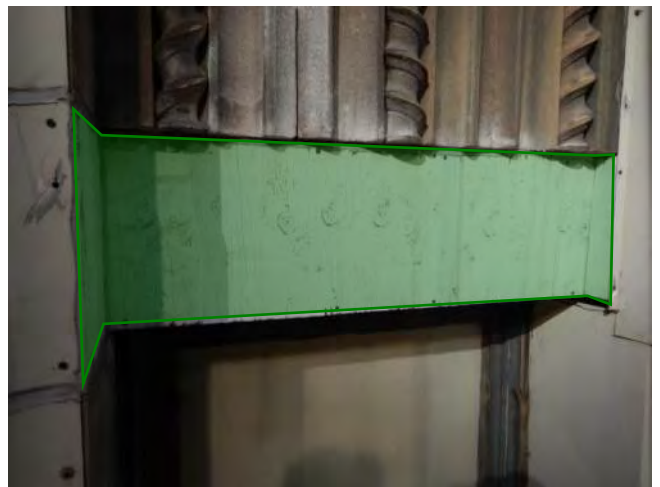


Photo 136: Replace wood



Photo 137: R/S

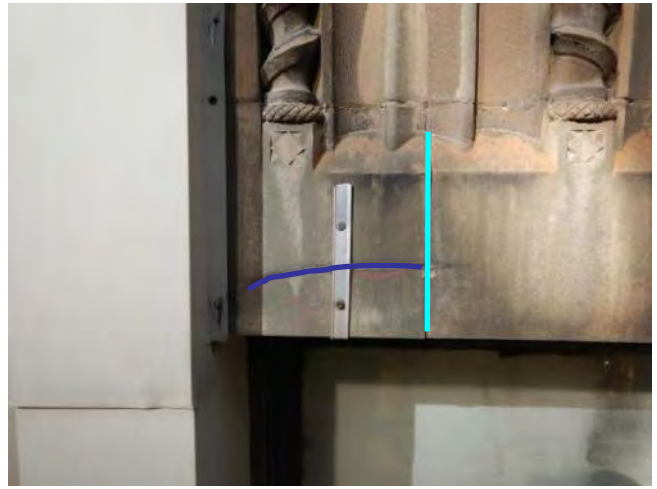


Photo 138: Seal

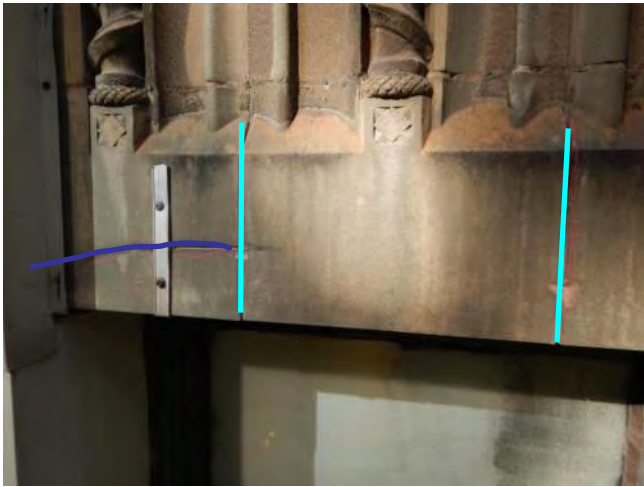


Photo 139: TP

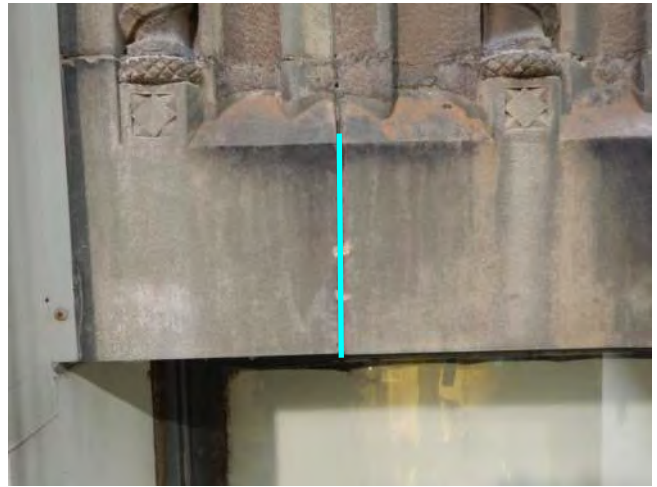


Photo 140: TP



Photo 141: STRAP(2)

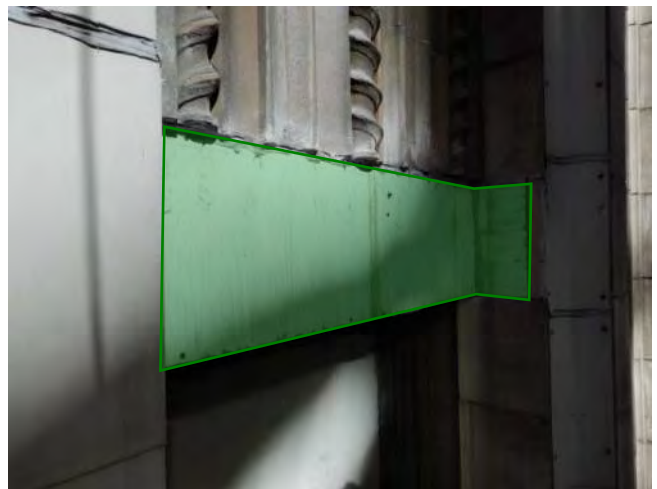


Photo 142: Replace wood



Photo 143: TP

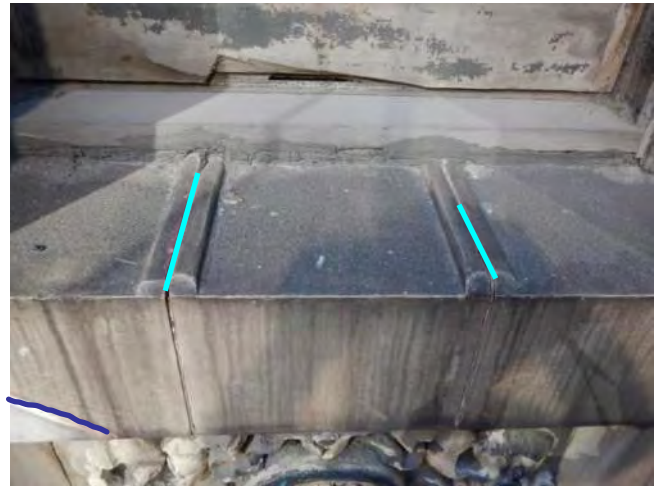


Photo 144: TP+R/S



Photo 145: TP+R/S



Photo 146: Remove loose + TP



Photo 147: Replace wood



Photo 148: STRAP(2)



Photo 149: STRAP(2)



Photo 150: STRAP(2)



Photo 151: STRAP(2)



Photo 152: R/S



Photo 153: Remove loose + seal

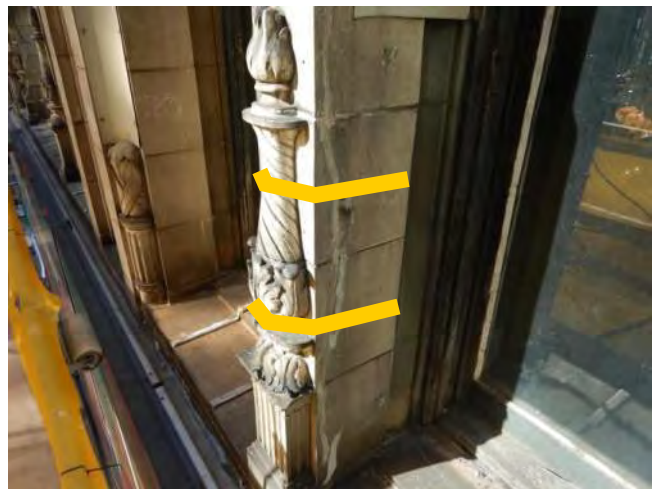


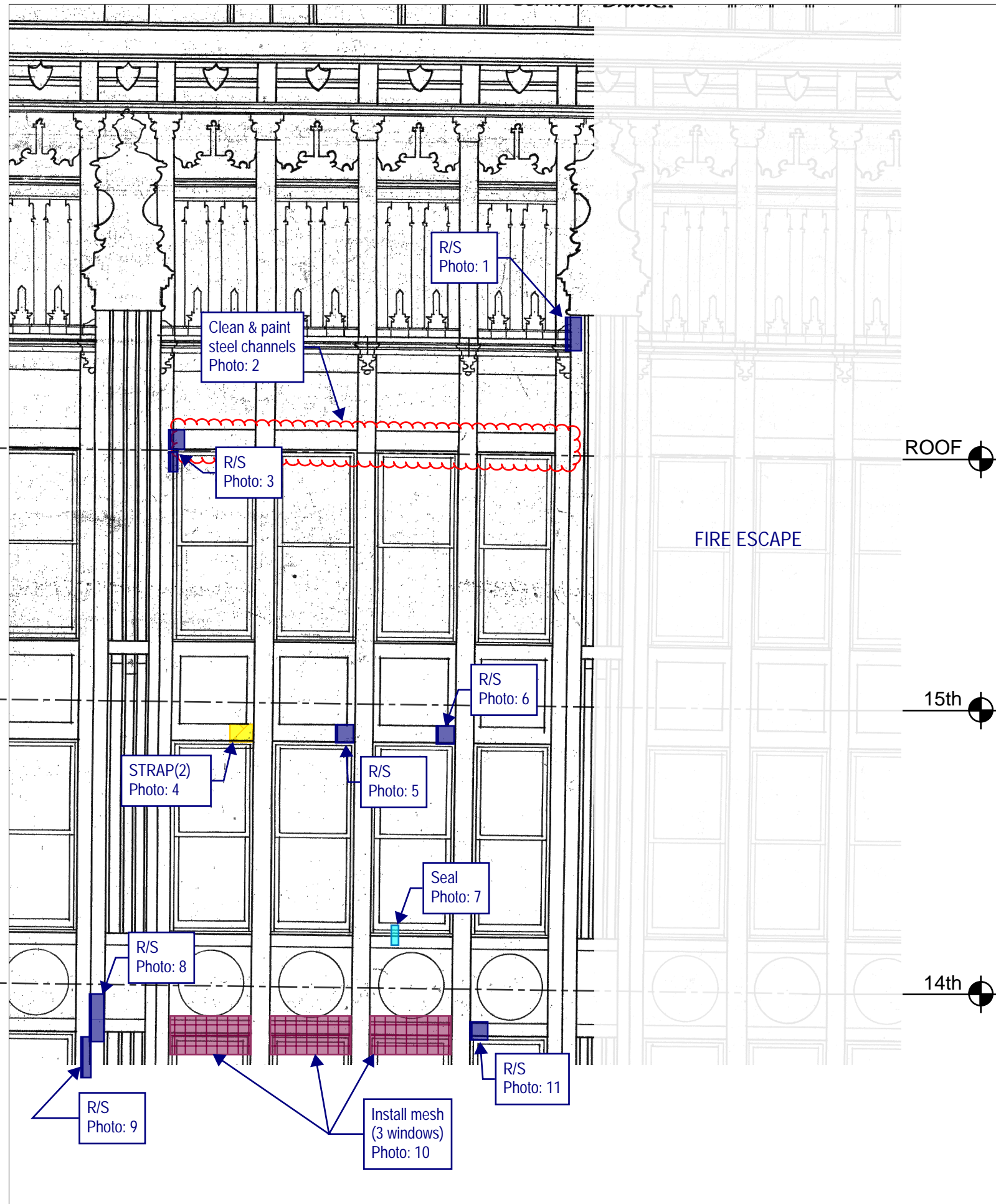
Photo 154: STRAP(2)



Photo 155: R/S



Photo 156: R/S



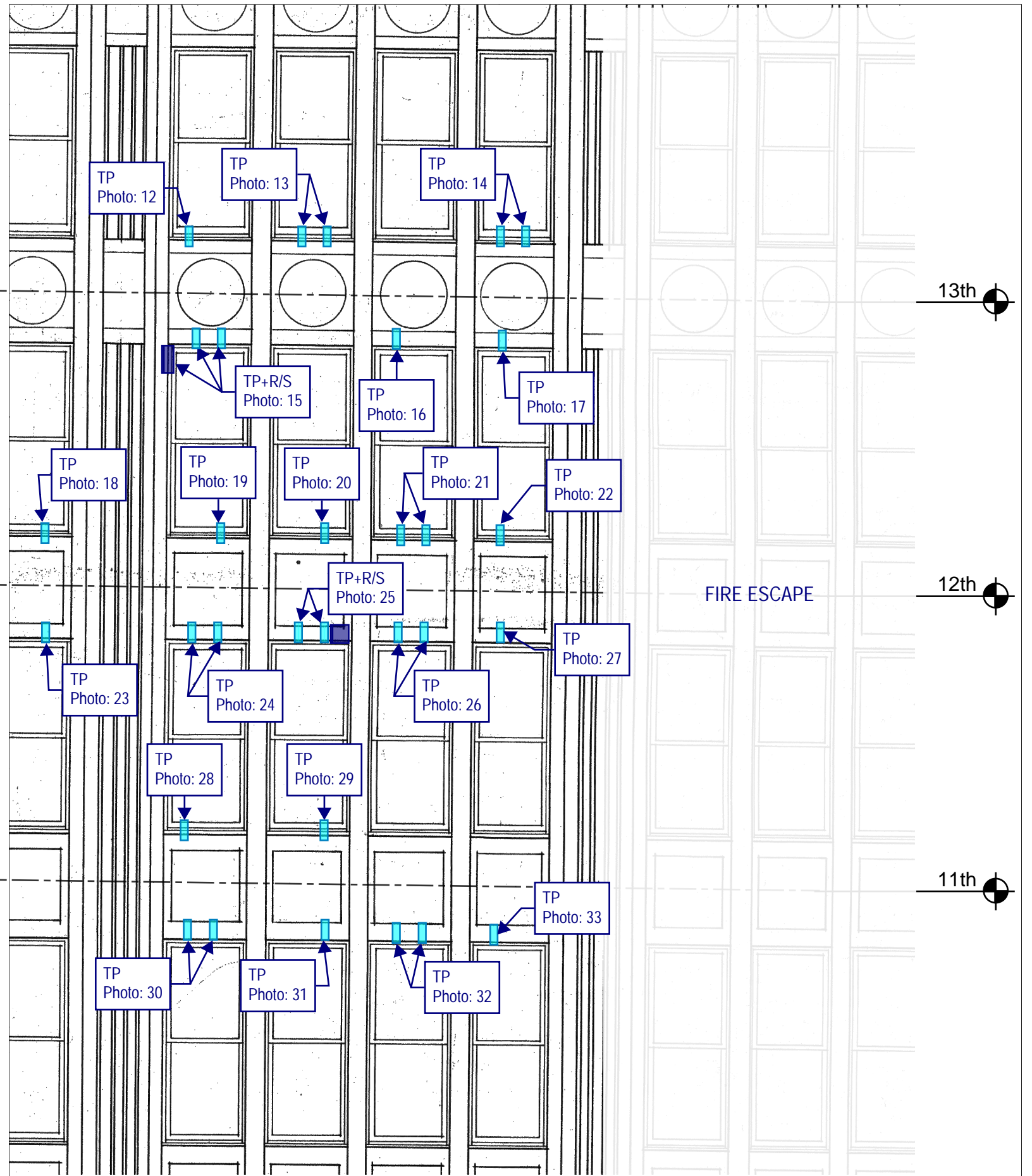
Thornton Tomasetti

Thornton Tomasetti, Inc.
 330 N. Wabash Avenue, Suite 1500
 Chicago, IL 60611-7822
 T: 312.596.2000 F: 312.596.2001

**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	10/30/20	DRAWING No. N-11
No.2			
No.3			
No.4			
No.5			



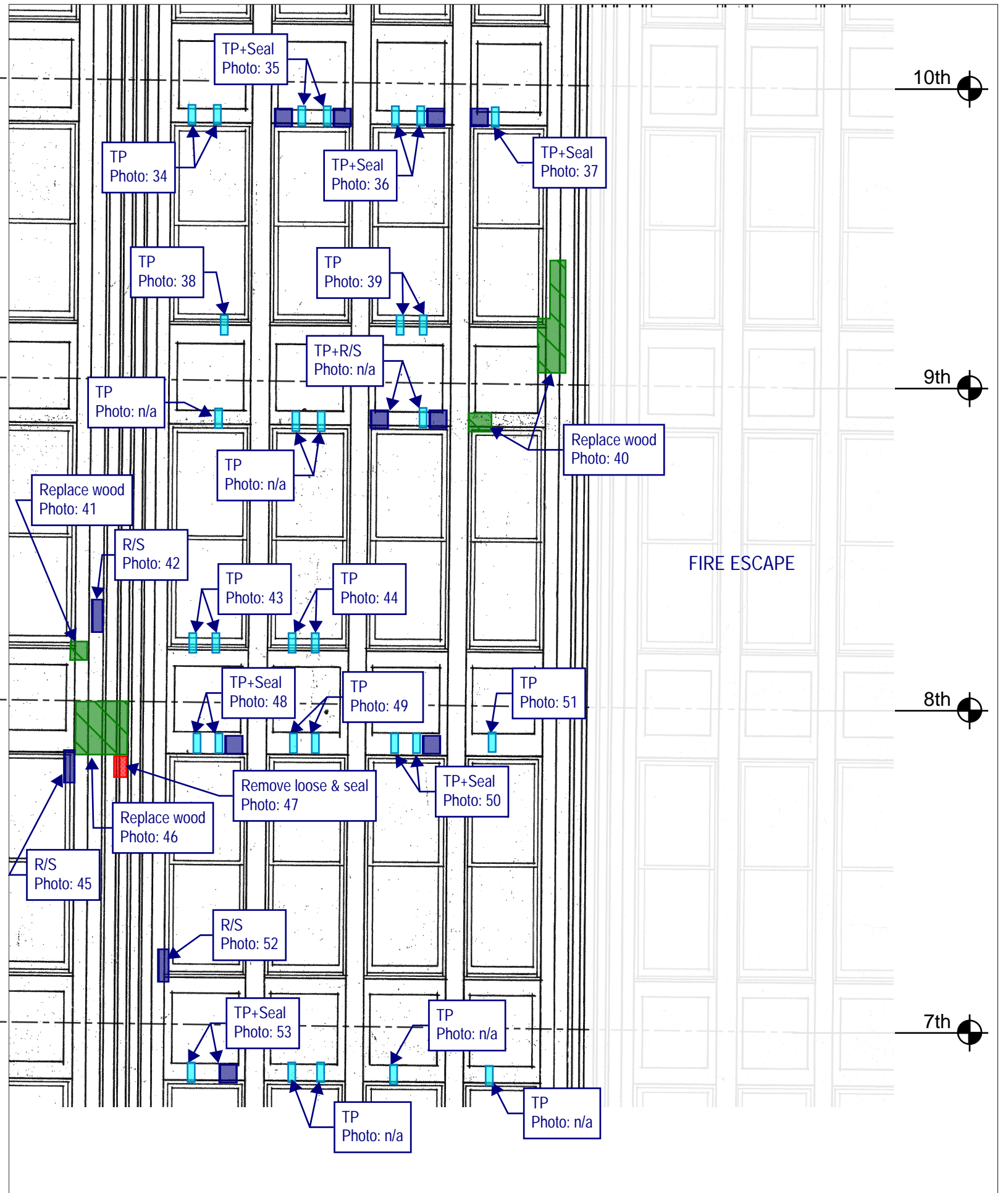
Thornton Tomasetti

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**202 SOUTH STATE STREET
 CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	10/30/20	DRAWING No. N-12
No.2			
No.3			
No.4			
No.5			



10th

9th

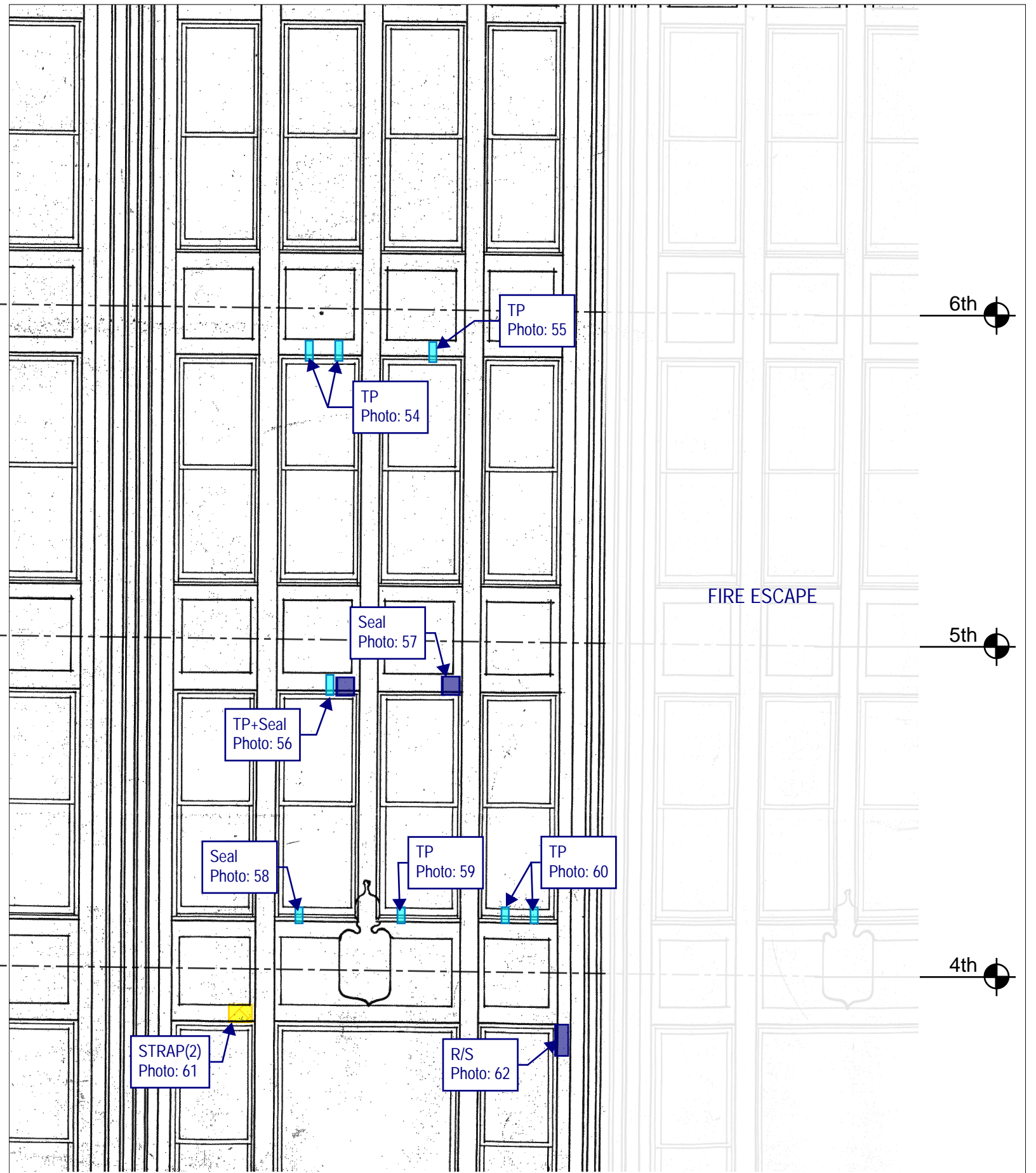
8th

7th

FIRE ESCAPE

- TP+Seal Photo: 35
- TP Photo: 34
- TP+Seal Photo: 36
- TP+Seal Photo: 37
- TP Photo: 38
- TP Photo: 39
- TP+R/S Photo: n/a
- TP Photo: n/a
- Replace wood Photo: 40
- TP Photo: n/a
- Replace wood Photo: 41
- R/S Photo: 42
- TP Photo: 43
- TP Photo: 44
- TP+Seal Photo: 48
- TP Photo: 49
- TP Photo: 51
- Remove loose & seal Photo: 47
- TP+Seal Photo: 50
- Replace wood Photo: 46
- R/S Photo: 45
- R/S Photo: 52
- TP+Seal Photo: 53
- TP Photo: n/a
- TP Photo: n/a
- TP Photo: n/a

No.1	DROP 5 - NORTH ELEVATION	10/30/20	DRAWING No. N-13
No.2			
No.3			
No.4			
No.5			



6th

5th

4th

FIRE ESCAPE

TP
Photo: 55

TP
Photo: 54

Seal
Photo: 57

TP+Seal
Photo: 56

Seal
Photo: 58

TP
Photo: 59

TP
Photo: 60

STRAP(2)
Photo: 61

R/S
Photo: 62

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**202 SOUTH STATE STREET
CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	10/30/20	DRAWING No. N-14
No.2			
No.3			
No.4			
No.5			

Remove loose & seal
Photo: 63

Seal
Photo: 64

3rd



FIRE ESCAPE

2nd



EAST IRON

EAST IRON

IRON SASH

EAST IRON SILL

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**202 SOUTH STATE STREET
CHICAGO, IL**

2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1 DROP 5 - NORTH ELEVATION

10/30/20

DRAWING No.

No.2

No.3

No.4

No.5

N-15

TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



Rout and seal crack(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and tuckpoint mortar joint.

GENERAL NOTES:

Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum #01, dated October 13, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

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PROJECT: 202&220 S STATE STREET, CHICAGO, IL

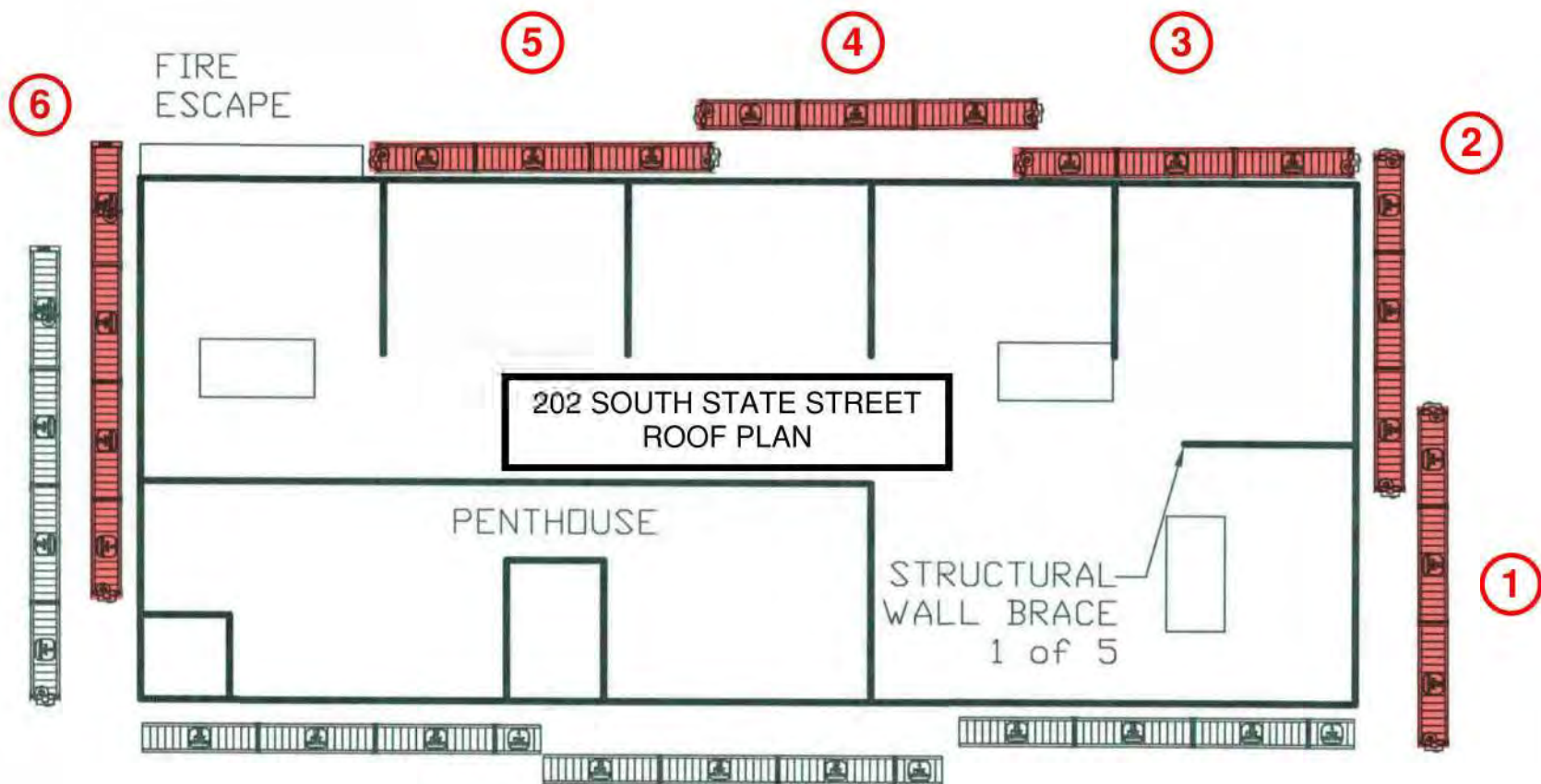
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 10/30/2020

LEGEND-01



202 SOUTH STATE STREET
ROOF PLAN

PENTHOUSE

STRUCTURAL
WALL BRACE
1 of 5

FIRE
ESCAPE

DRAWING MUST BE REVIEWED IN COLOR

Thornton Tomasetti
BY: GH DATE: 08/12/2020

PROJECT: 2020 CRITICAL EXAMINATION, 220 AND 220 SOUTH STATE STREET
SUBJECT: PROPOSED DROP PLAN
REFERENCE:

SSK-002

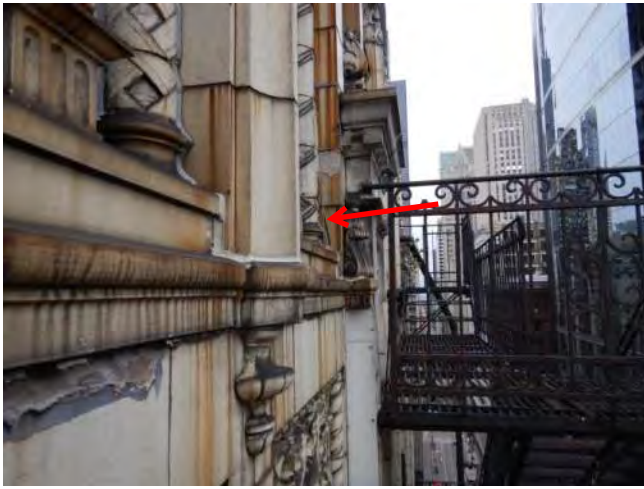


Photo 1: R/S



Photo 2: Clean & paint steel channels



Photo 3: R/S

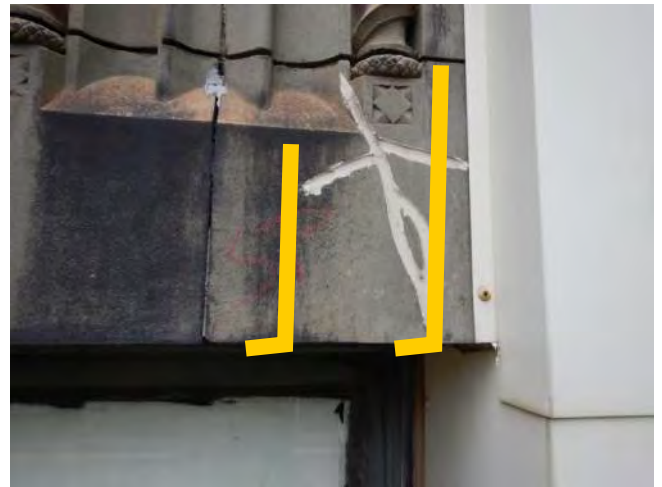


Photo 4: STRAP(2)



Photo 5: R/S



Photo 6: R/S



Photo 7: Seal



Photo 8: R/S



Photo 9: R/S

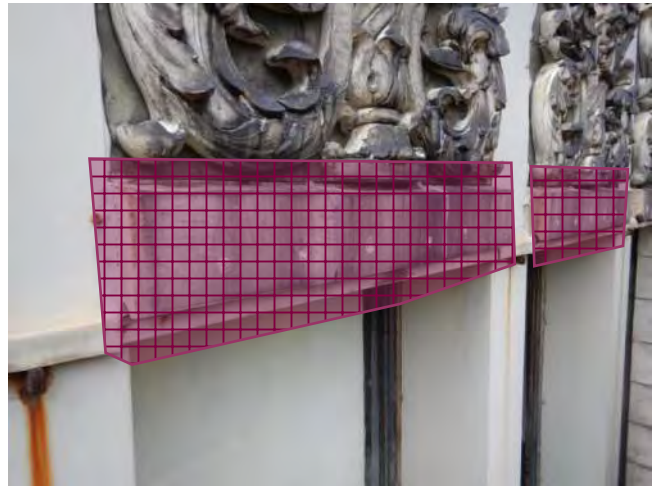


Photo 10: Install mesh (3 windows)



Photo 11: R/S



Photo 12: TP



Photo 13: TP



Photo 14: TP



Photo 15: TP+R/S



Photo 16: TP



Photo 17: TP



Photo 18: TP



Photo 19: TP



Photo 20: TP



Photo 21: TP



Photo 22: TP



Photo 23: TP



Photo 24: TP



Photo 25: TP+R/S



Photo 26: TP

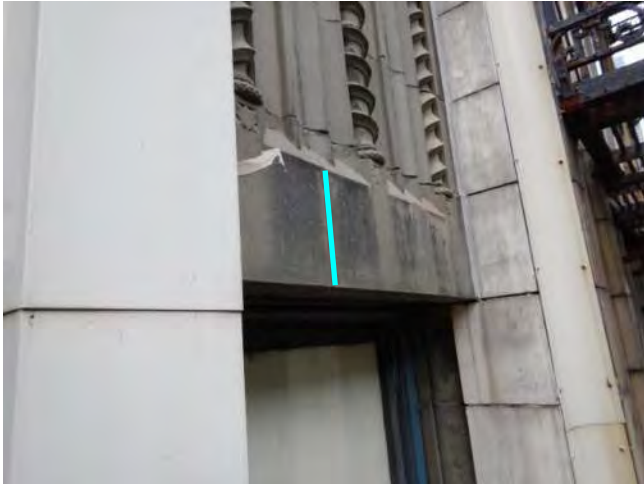


Photo 27: TP



Photo 28: TP



Photo 29: TP

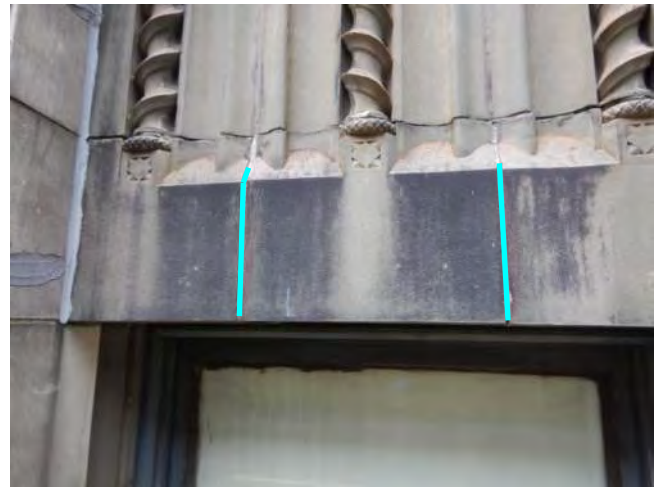


Photo 30: TP



Photo 31: TP



Photo 32: TP

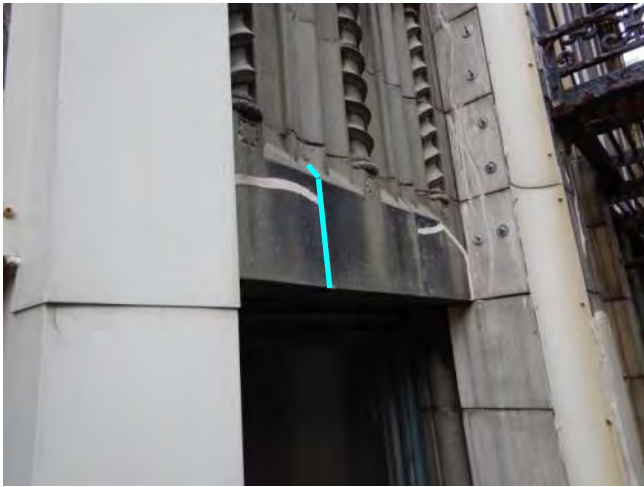


Photo 33: TP



Photo 34: TP



Photo 35: TP+Seal



Photo 36: TP+Seal

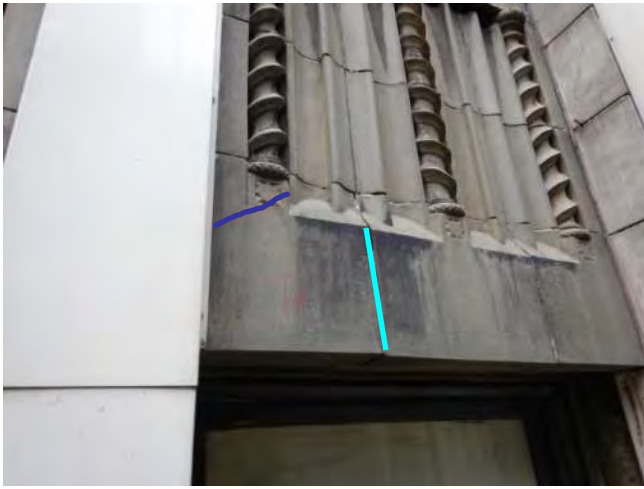


Photo 37: TP+Seal



Photo 38: TP



Photo 39: TP

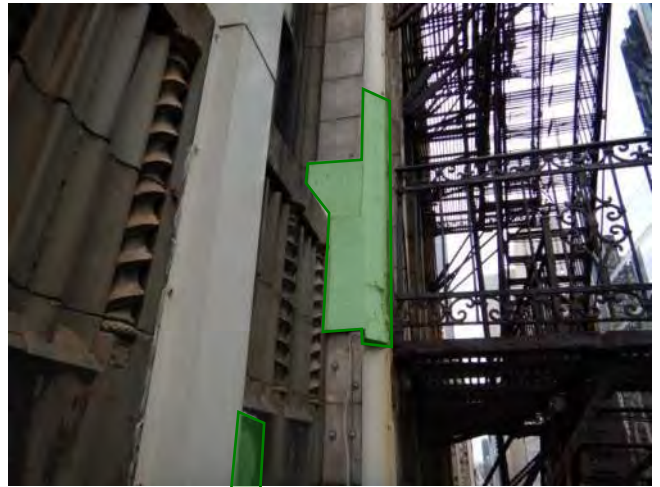


Photo 40: Replace wood



Photo 41: Replace wood



Photo 42: R/S



Photo 43: TP



Photo 44: TP



Photo 45: R/S

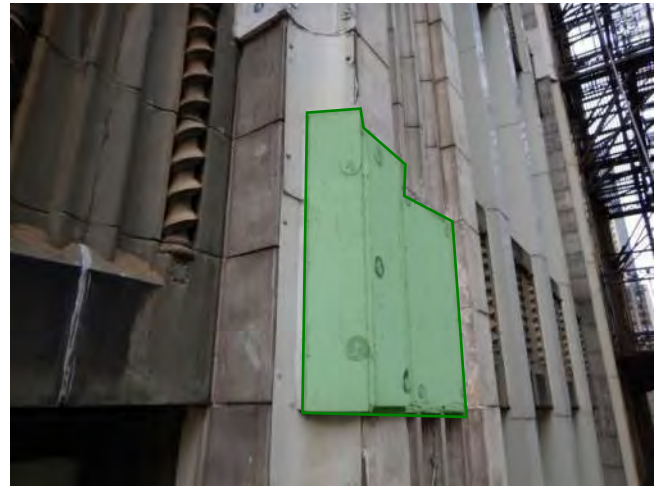


Photo 46: Replace wood



Photo 47: Remove loose & seal



Photo 48: TP+Seal



Photo 49: TP

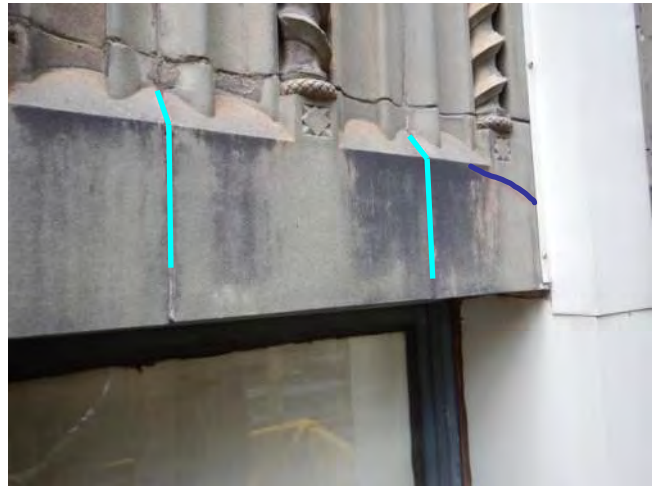


Photo 50: TP+Seal



Photo 51: TP

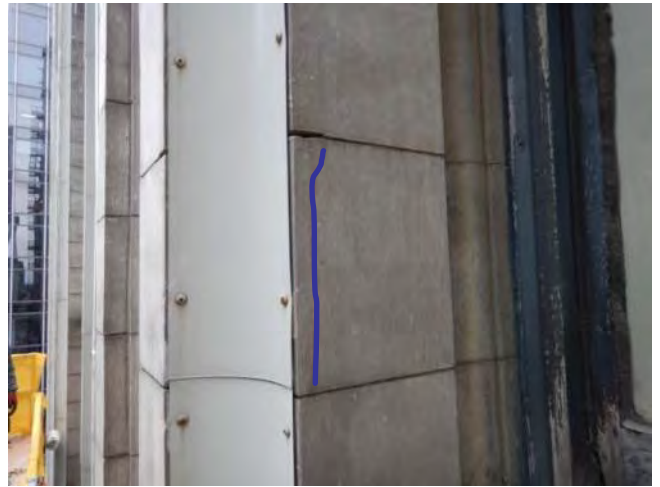


Photo 52: R/S



Photo 53: TP+Seal



Photo 54: TP



Photo 55: TP

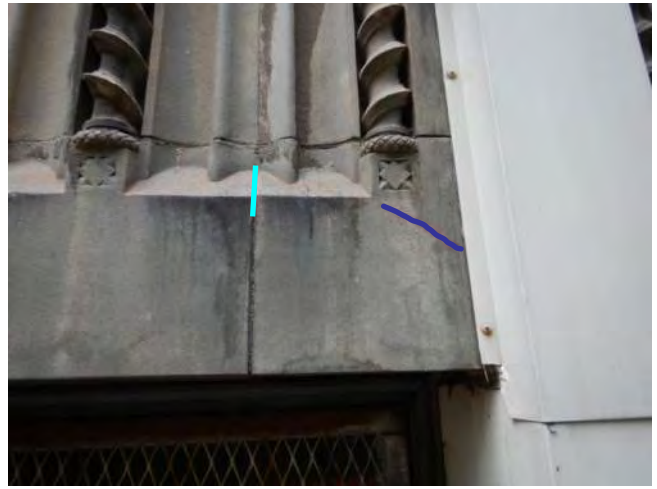


Photo 56: TP+Seal



Photo 57: Seal



Photo 58: Seal



Photo 59: TP



Photo 60: TP



Photo 61: STRAP(2)



Photo 62: R/S

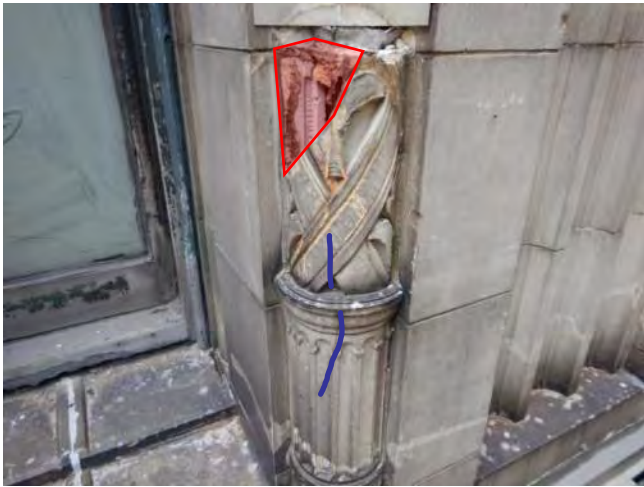


Photo 63: Remove loose & seal

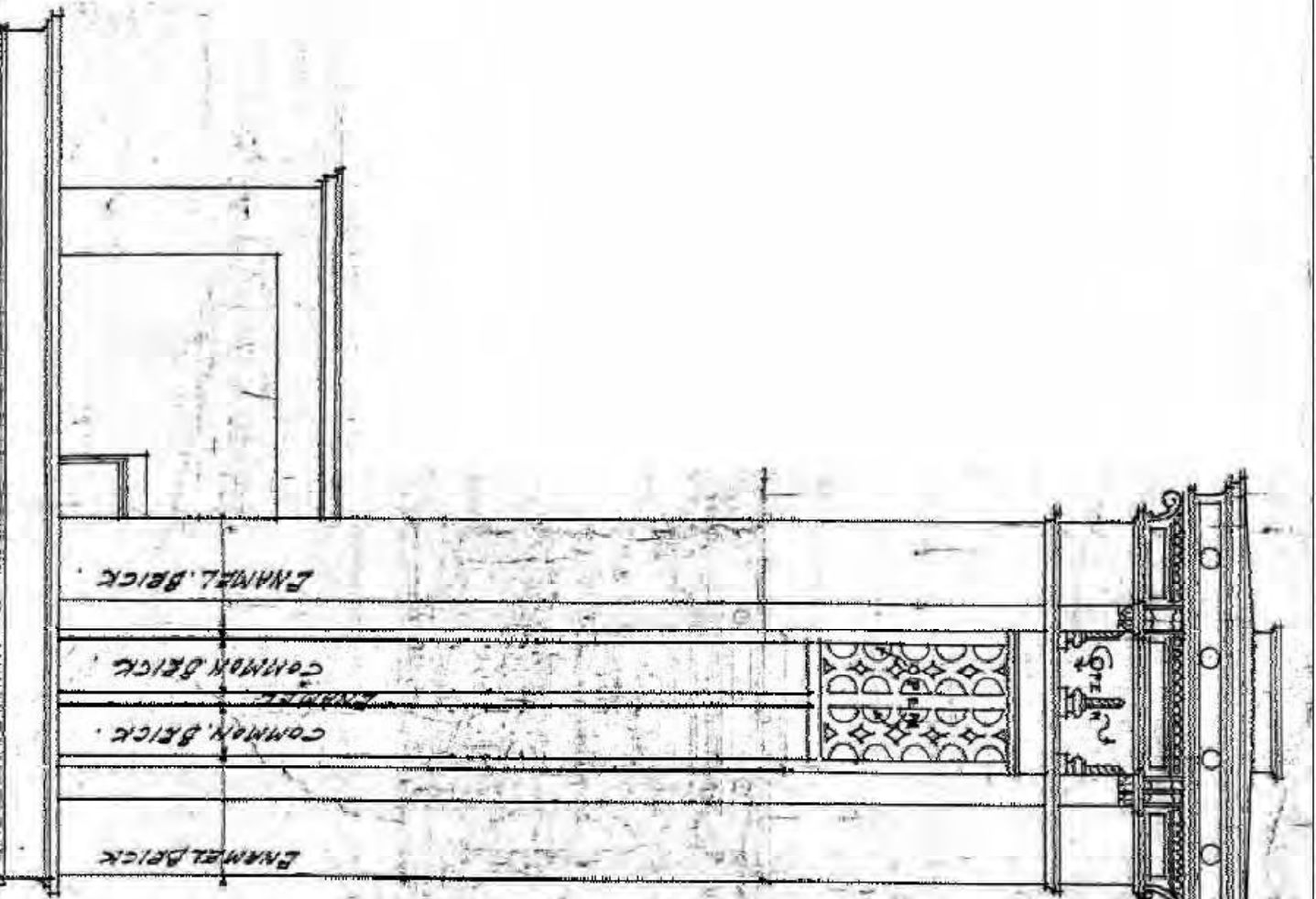


Photo 64: Seal

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202 SOUTH STATE STREET
CHICAGO, IL
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: CH1178.00

DATE: 1/28/2020 SCALE: 1/4" = 1'-0"



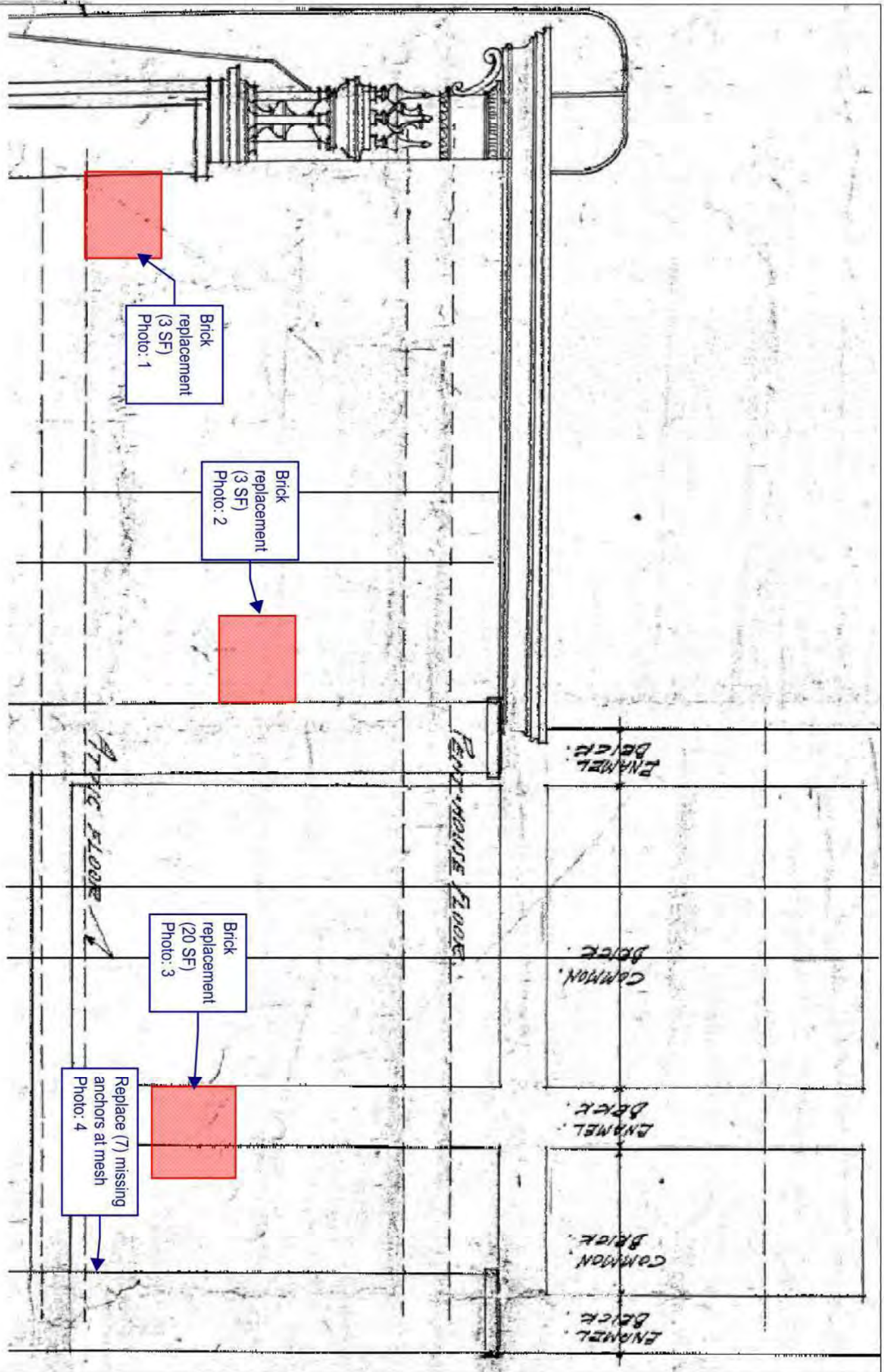
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No.2			W-1
No.3			
No.4			
No.5			

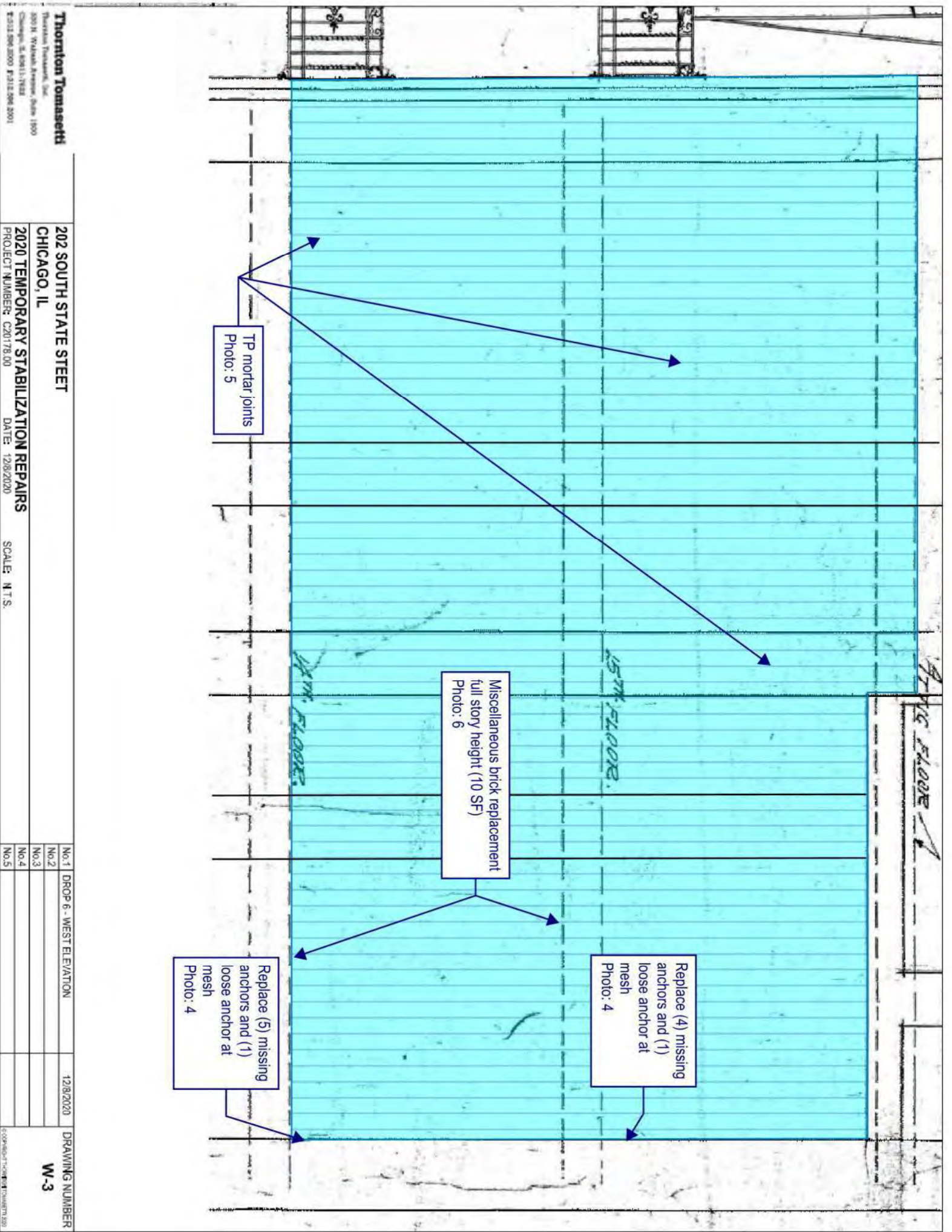
Thornton Tomasetti
 Thornton Tomasetti, Inc.
 200 N. Wacker Avenue, Suite 1800
 Chicago, IL 60601-1722
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202 SOUTH STATE STREET
CHICAGO, IL
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: C20178.00 DATE: 12/8/2020

SCALE: N.T.S.

No. 1	DROP 6 - WEST ELEVATION	12/8/2020	DRAWING NUMBER
No. 2			W-2
No. 3			
No. 4			
No. 5			





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CHICAGO, IL
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: C20178.00 DATE: 12/8/2020

SCALE: N.T.S.

No. 1	DROP 6 - WEST ELEVATION	12/8/2020	DRAWING NUMBER
No. 2			W-3
No. 3			
No. 4			
No. 5			

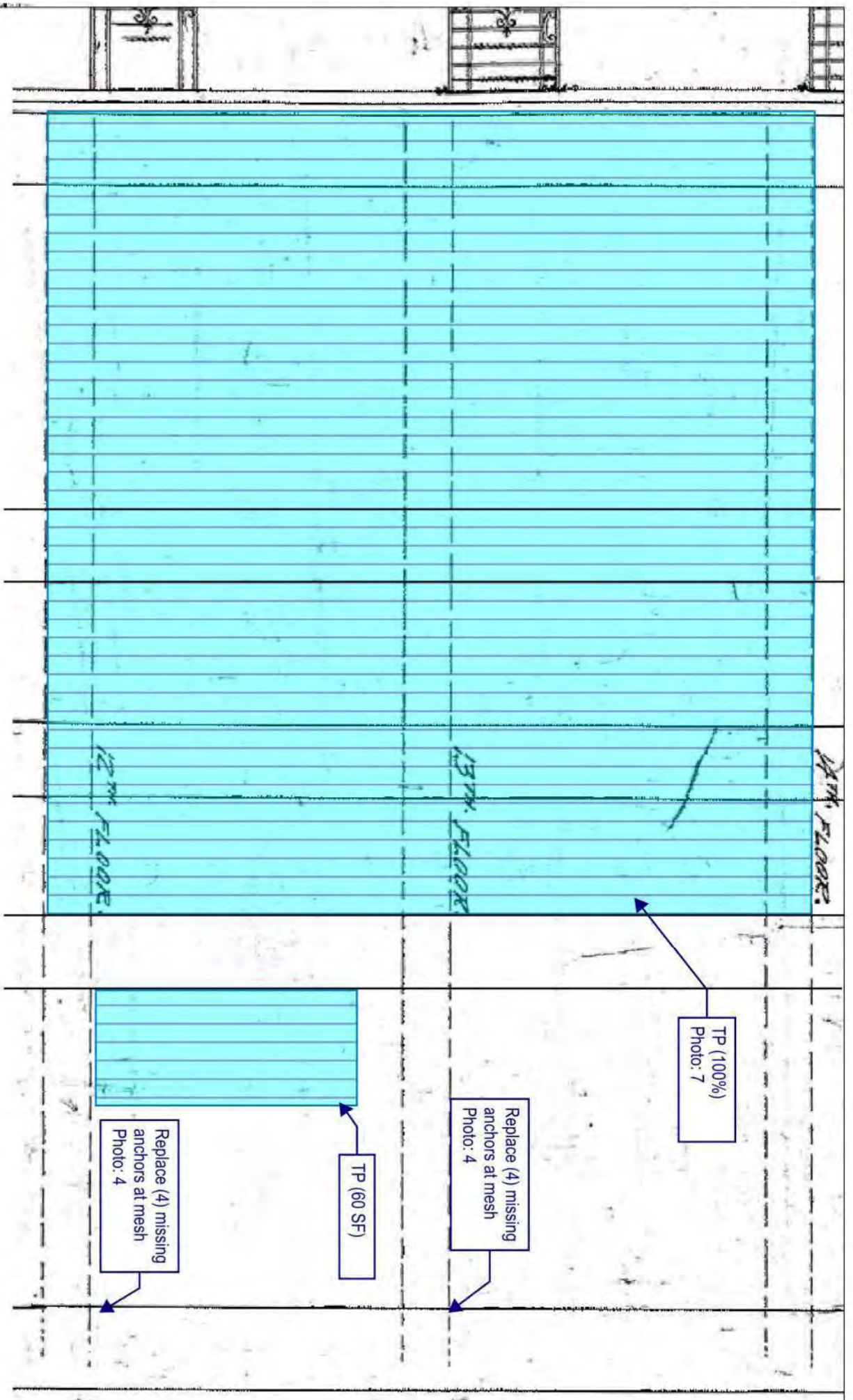
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 PROJECT NUMBER: C20178.00

DATE: 12/8/2020
 SCALE: N.T.S.

No. 1	DROP 6 - WEST ELEVATION	12/8/2020	DRAWING NUMBER
No. 2			W-4
No. 3			
No. 4			
No. 5			



TP (100%)
Photo: 7

Replace (4) missing
anchors at mesh
Photo: 4

TP (60 SF)

Replace (4) missing
anchors at mesh
Photo: 4

14TH FLOOR

13TH FLOOR

12TH FLOOR

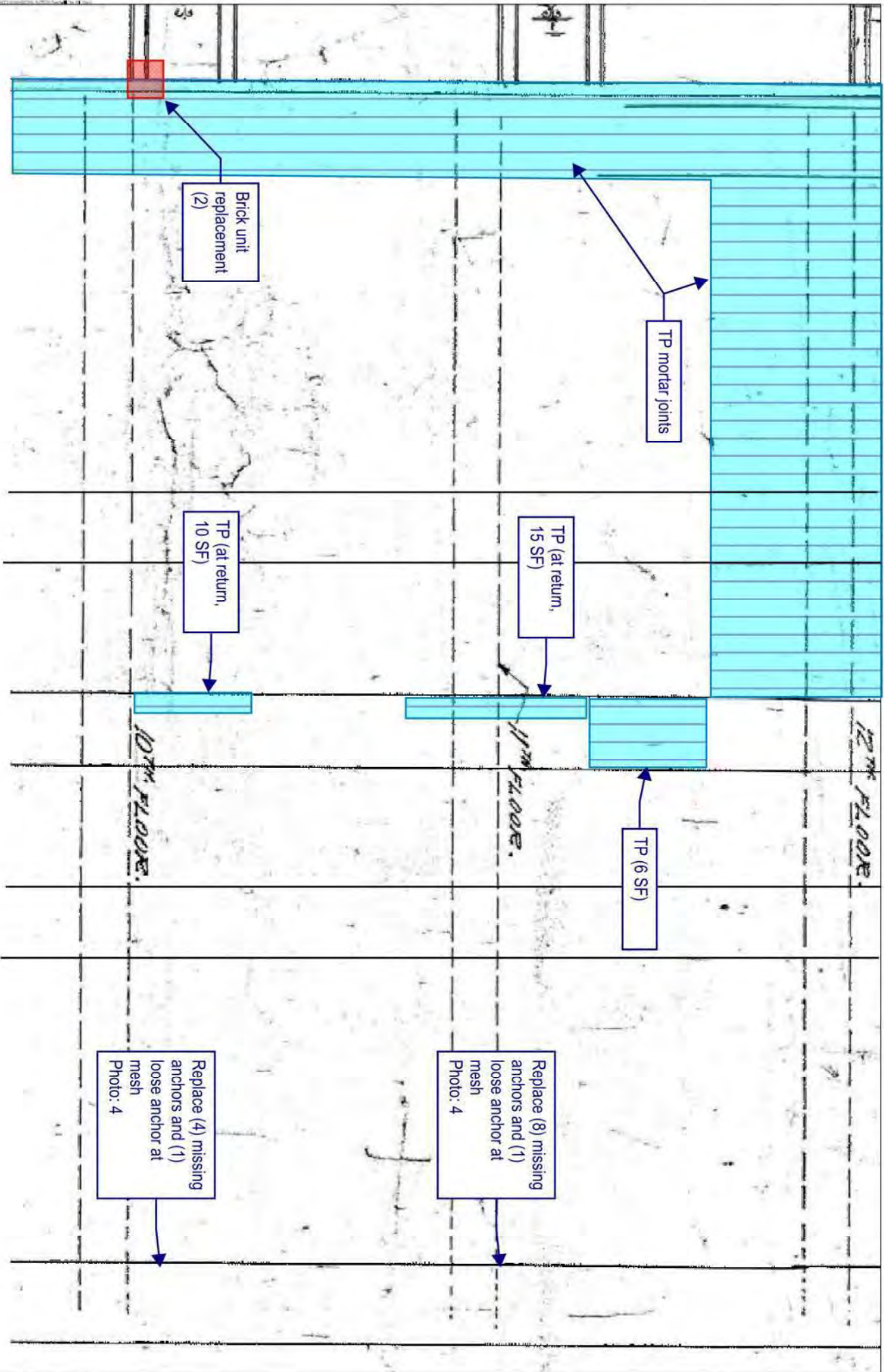
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 PROJECT NUMBER: C20178.00 DATE: 12/8/2020

SCALE: N.T.S.

No.1	DROP 6 - WEST ELEVATION	12/8/2020
No.2		
No.3		
No.4		
No.5		

DRAWING NUMBER
W-5



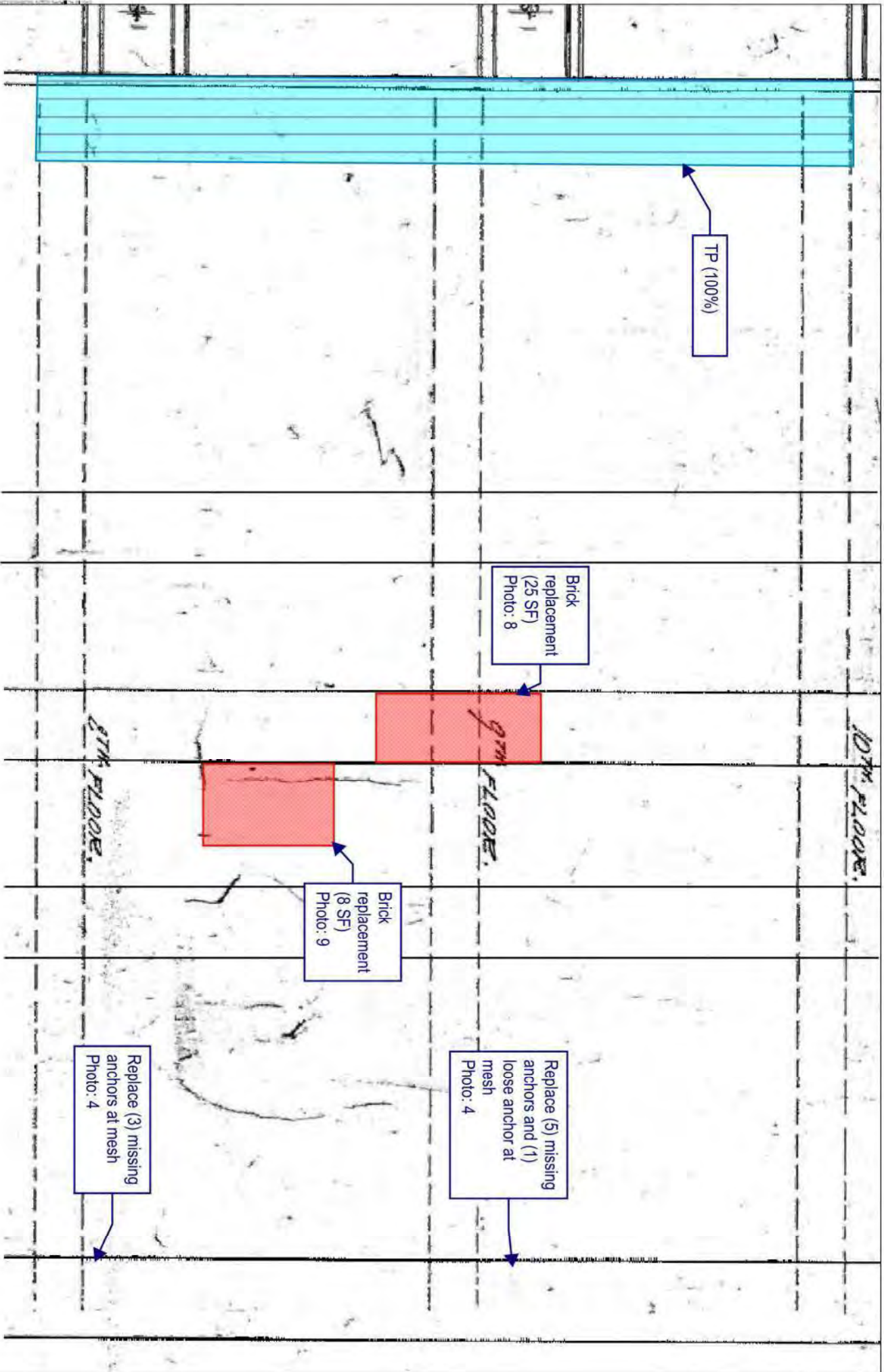
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: C20178.00 DATE: 12/8/2020

SCALE: N.T.S.

No.1	DROP 6 - WEST ELEVATION	12/8/2020
No.2		
No.3		
No.4		
No.5		

DRAWING NUMBER
W-6



TP (100%)

Brick replacement (25 SF) Photo: 8

Brick replacement (8 SF) Photo: 9

Replace (5) missing anchors and (1) loose anchor at mesh Photo: 4

Replace (3) missing anchors at mesh Photo: 4

10TH FLOOR.

9TH FLOOR.

8TH FLOOR.

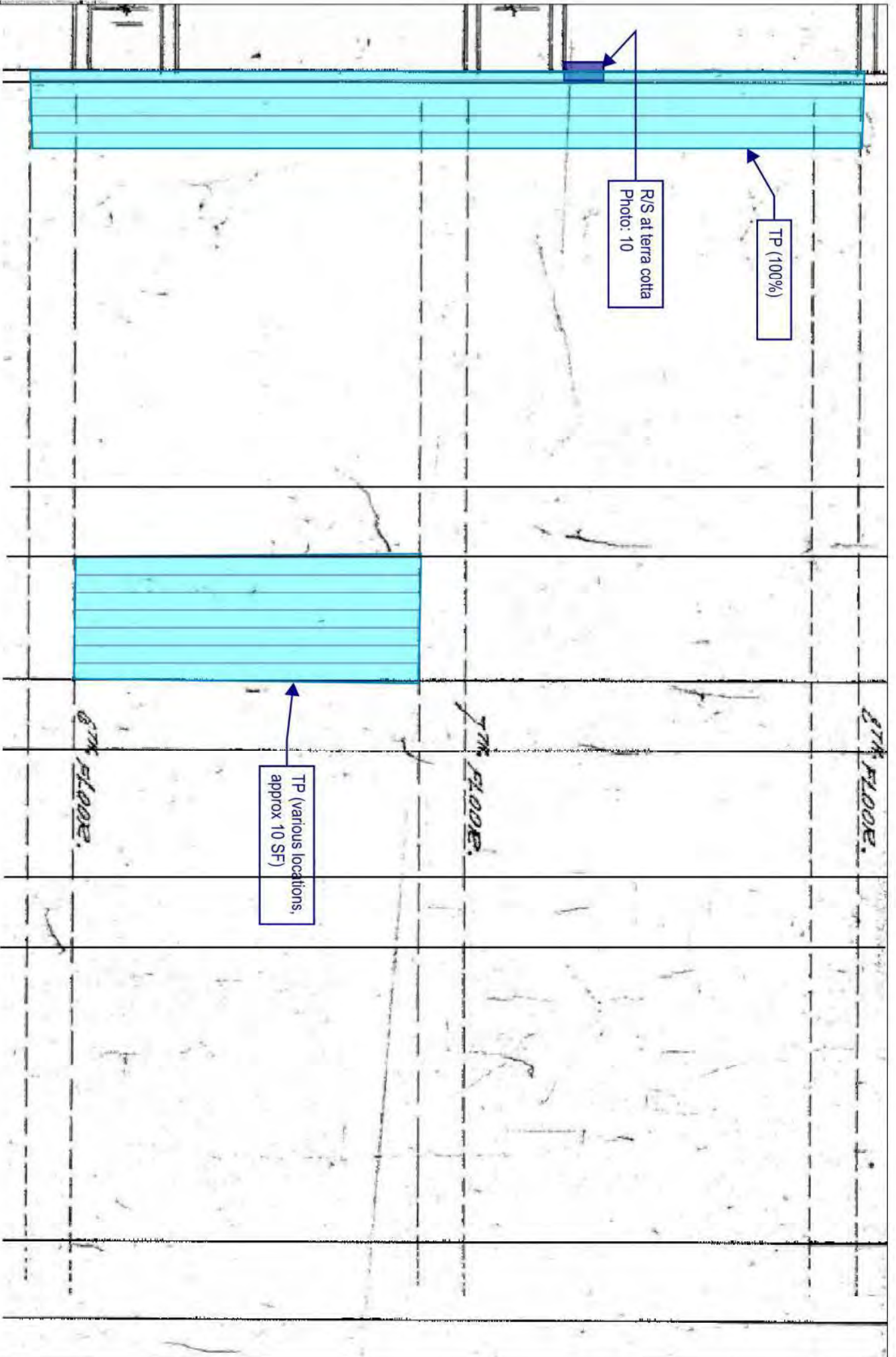
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: C20178.00 DATE: 12/8/2020

SCALE: N.T.S.

No.1	DROP 6 - WEST ELEVATION	12/8/2020
No.2		
No.3		
No.4		
No.5		

DRAWING NUMBER
W-7



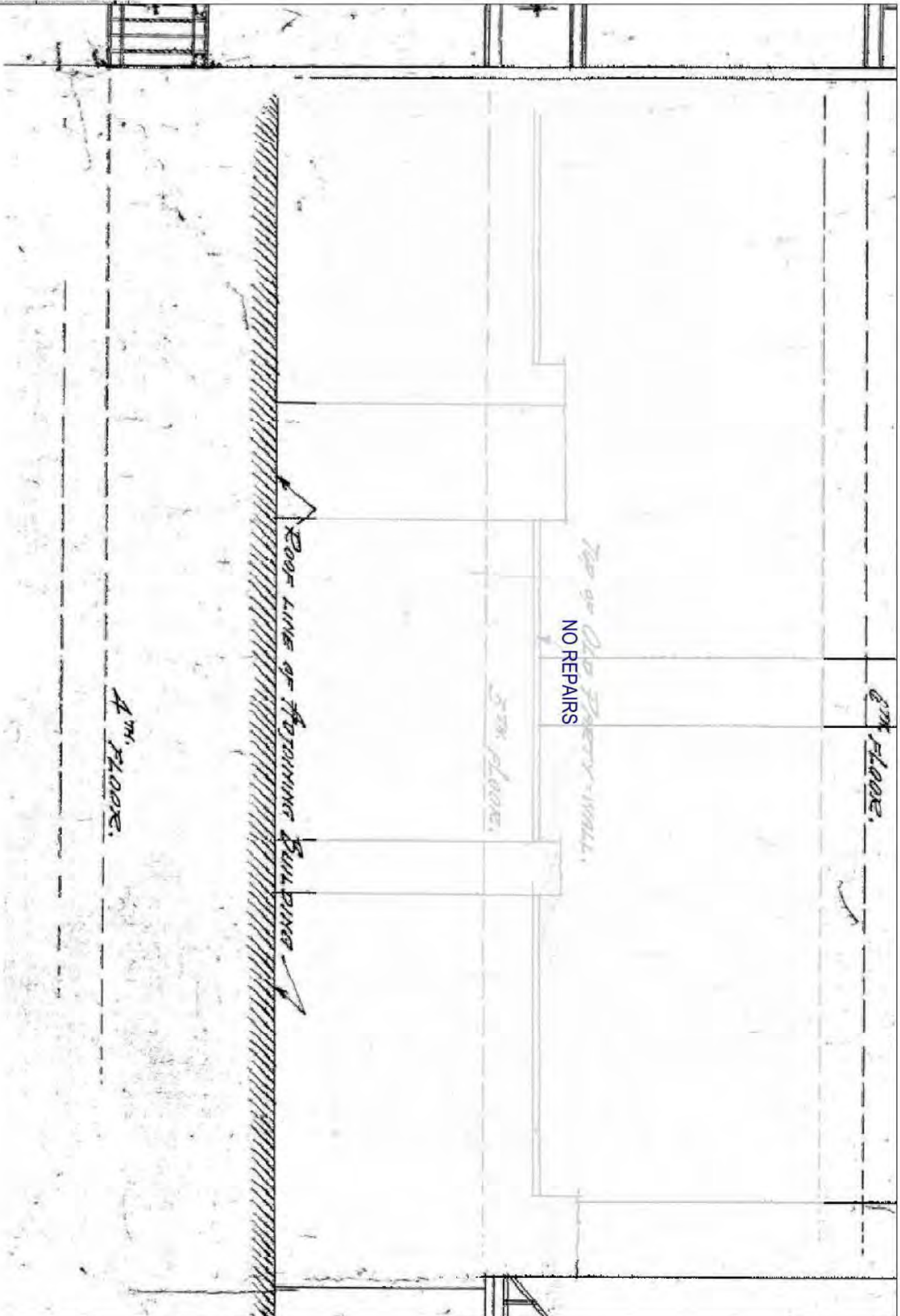
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT NUMBER: C20178.00

DATE: 12/8/2020
 SCALE: N.T.S.

No. 1	DROP 6 - WEST ELEVATION	12/8/2020	DRAWING NUMBER
No. 2			
No. 3			
No. 4			
No. 5			

W-8



TEMPORARY STABILIZATION REPAIR RECOMMENDATION LEGEND



Rout and seal crack(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and tuckpoint mortar joint.

GENERAL NOTES:

Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum #01, dated October 13, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

Thornton Tomasetti

PROJECT: 202&220 S STATE STREET, CHICAGO, IL

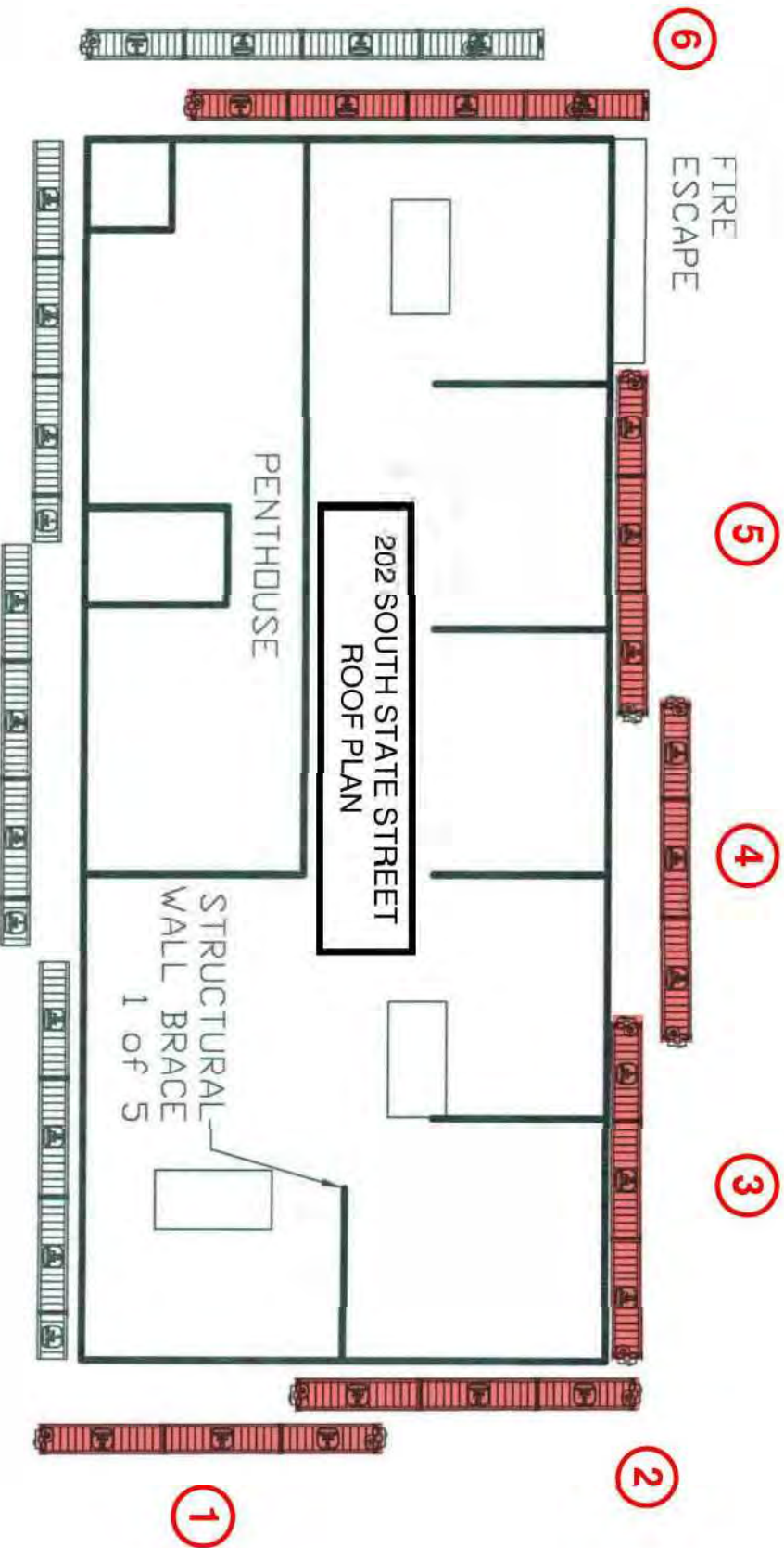
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 10/30/2020

LEGEND-01



DRAWING MUST BE REVIEWED IN COLOR

Thornton Tomasetti

BY: GH

DATE: 08/12/2020

PROJECT: 2020 CRITICAL EXAMINATION, 220 AND 220 SOUTH STATE STREET

SUBJECT: PROPOSED DROP PLAN

REFERENCE:

SSK-002



Photo 1: Brick replacement



Photo 2: Brick replacement



Photo 3: Brick replacement



Photo 4: Replace missing anchors at existing mesh, TYP



Photo 5: TP mortar joints



Photo 6: Miscellaneous brick replacement full story height



Photo 7: TP mortar joints



Photo 8: Brick replacement

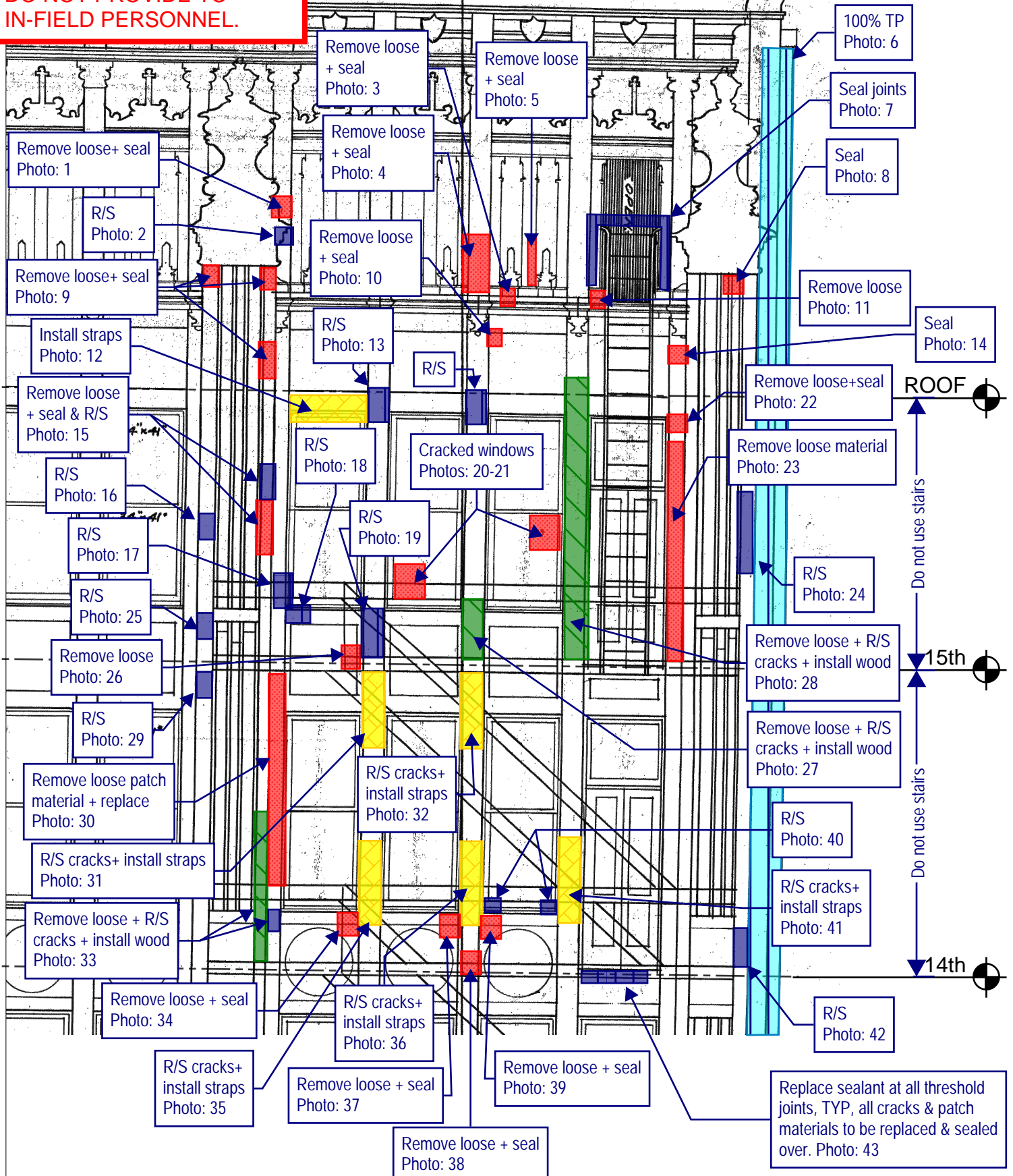


Photo 9: Brick replacement



Photo 10: R/S at terra cotta

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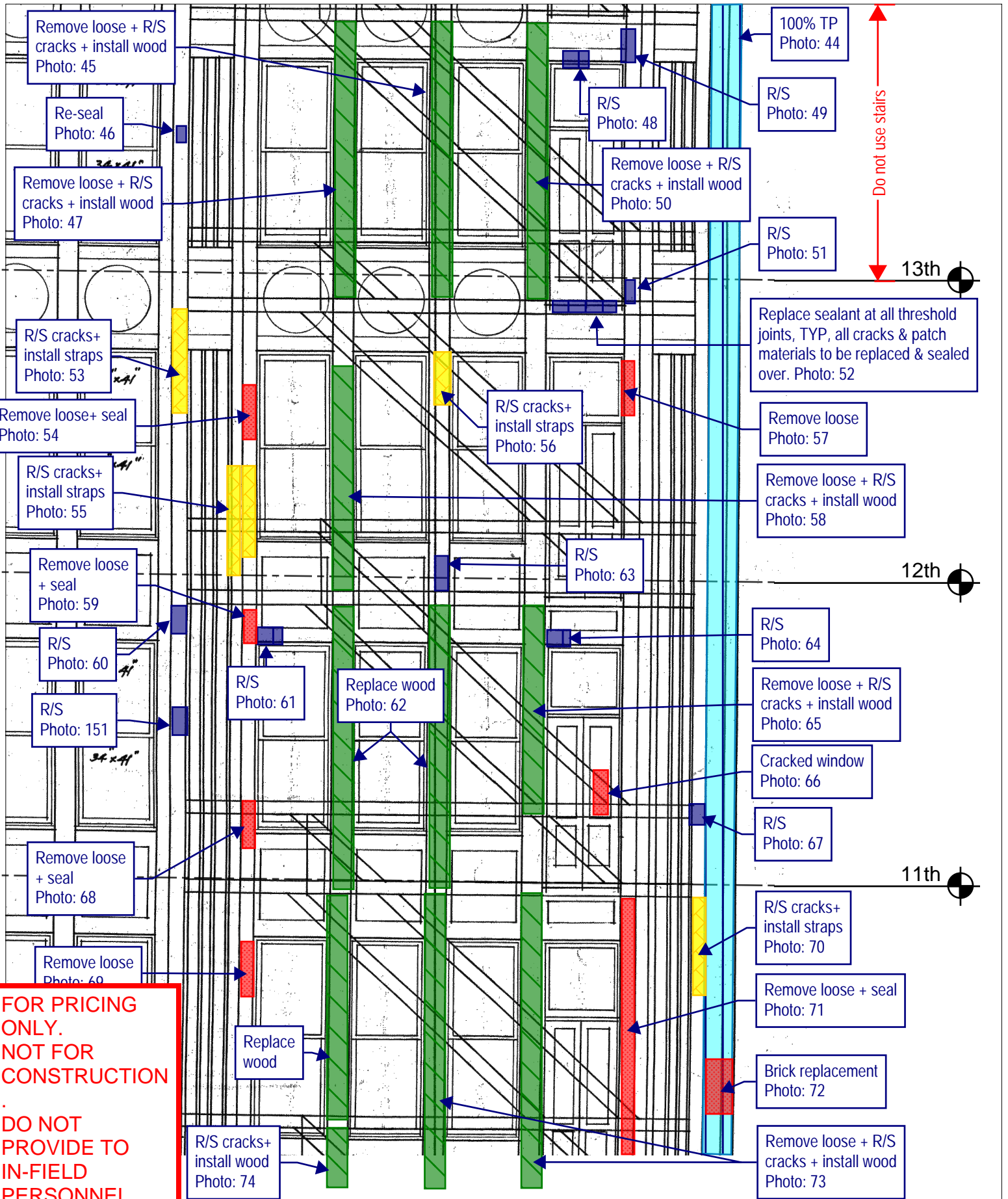
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2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	1/29/21	DRAWING No.
No.2			
No.3			
No.4			
No.5			

N-11



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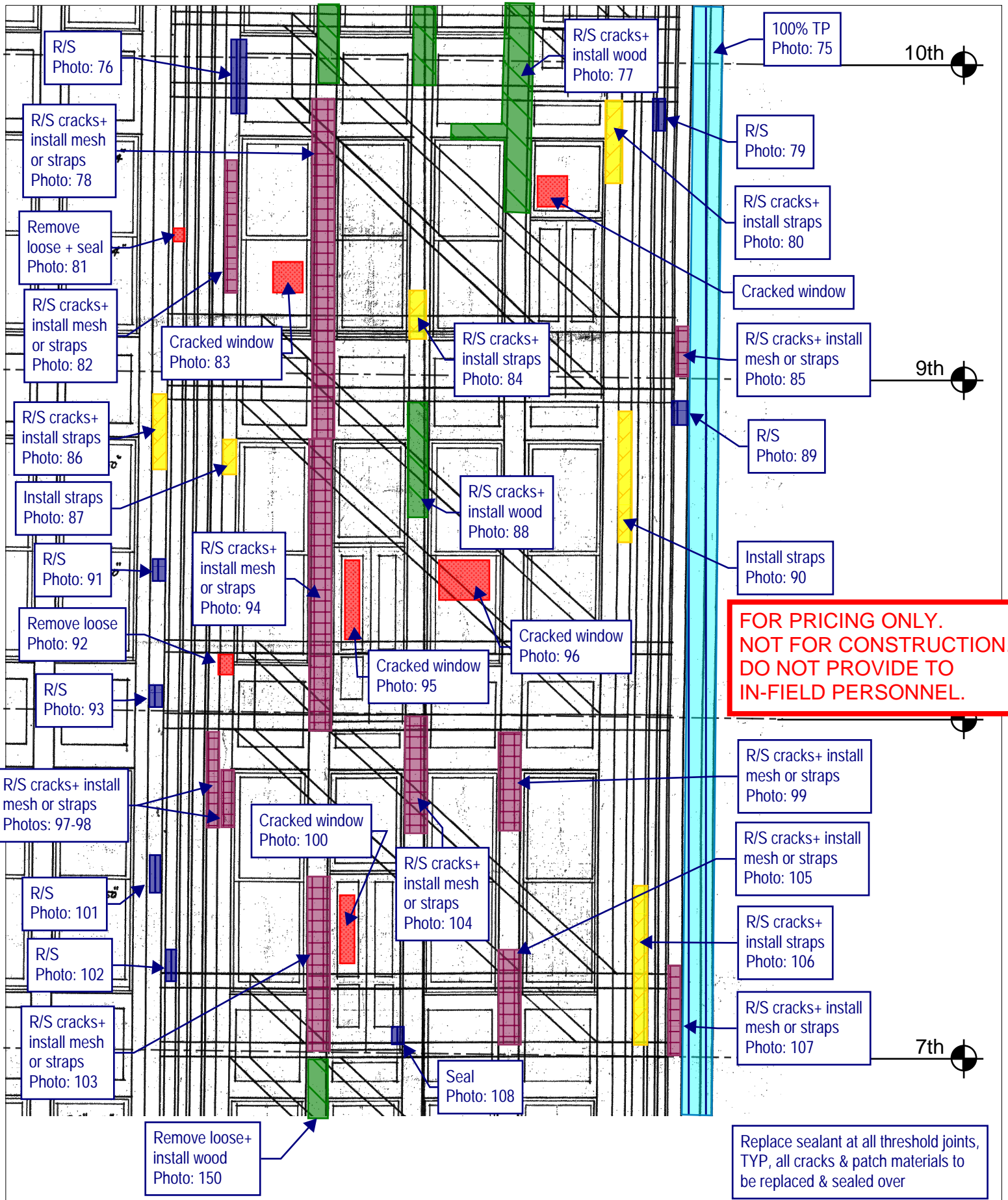
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	1/29/21	DRAWING No.
No.2			
No.3			
No.4			
No.5			

N-12



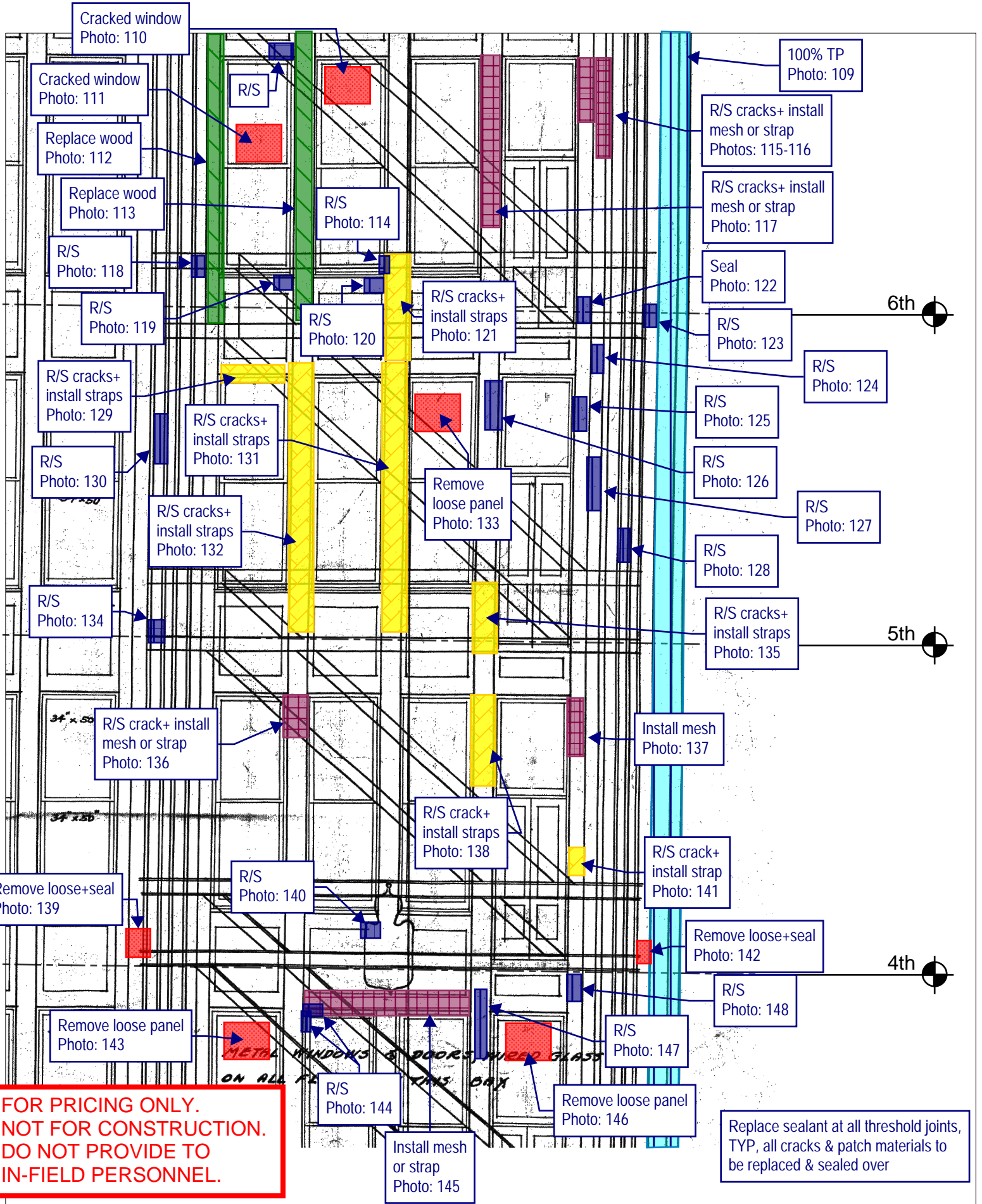
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	1/29/21	DRAWING No.
No.2			
No.3			
No.4			
No.5			

N-13



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Replace sealant at all threshold joints, TYP, all cracks & patch materials to be replaced & sealed over

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2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	1/29/21	DRAWING No.
No.2			
No.3			
No.4			
No.5			

N-14

ON ALL FLOORS IN THIS BAY

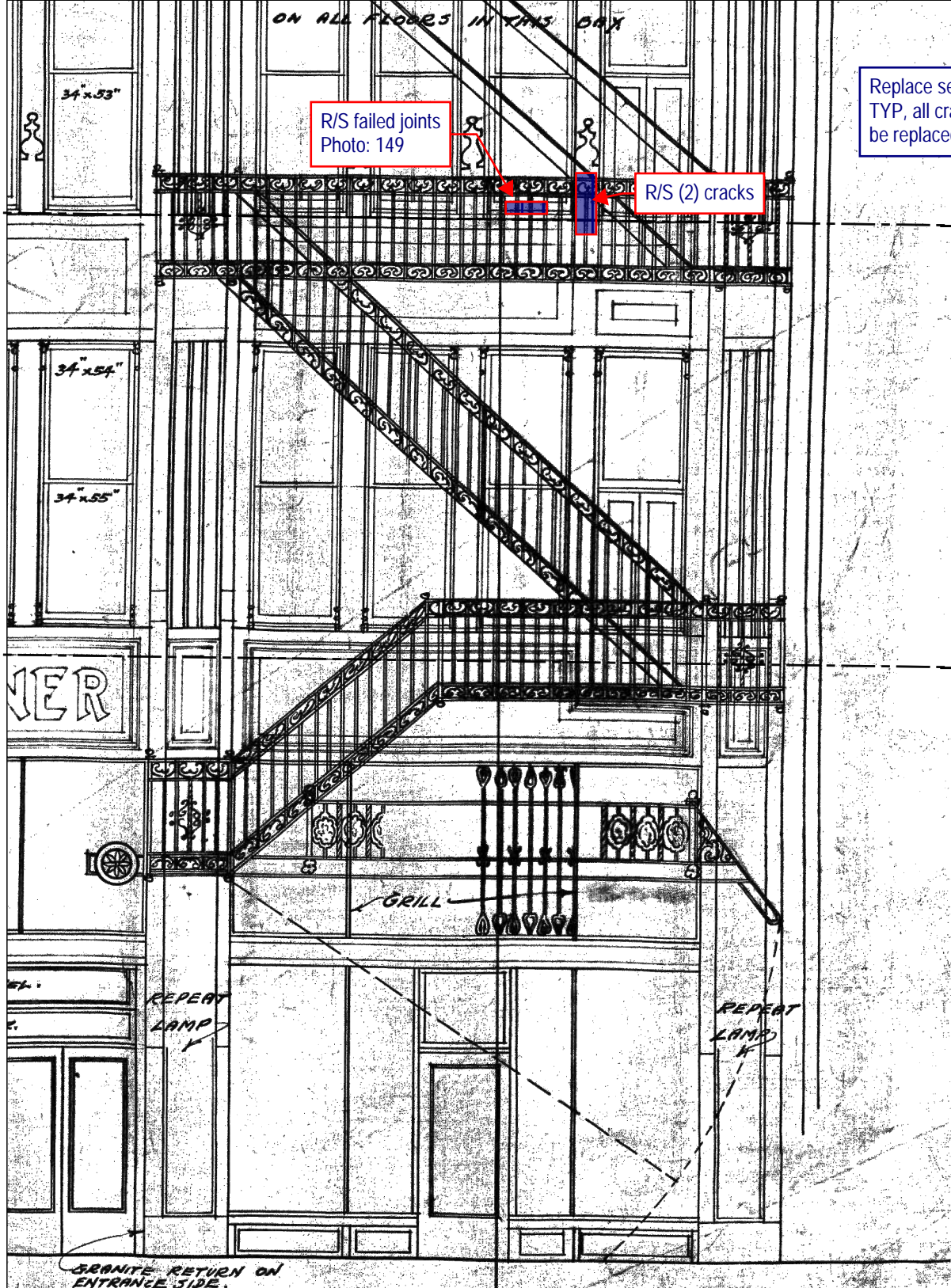
Replace sealant at all threshold joints, TYP, all cracks & patch materials to be replaced & sealed over

R/S failed joints
Photo: 149

R/S (2) cracks

3rd

2nd



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2020 TEMPORARY STABILIZATION REPAIRS
PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 5 - NORTH ELEVATION	1/29/21
No.2		
No.3		
No.4		
No.5		

DRAWING No.
N-15
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STABILIZATION REPAIR RECOMMENDATION LEGEND

(s) with sealant. Color to be selected by GSA.



Remove loose material. Rout and seal associated crack(s), joints, and other exposed material (i.e. terra cotta clay body) with sealant. Color to be selected by GSA.



Remove loose material. Install plywood to cover opening with stainless steel anchors at 16" on center, 3" embedment (minimum) into sound mortar joints or sound masonry only if sound mortar joint is not present. Paint plywood in accordance with GSA specifications. Seal all joints between plywood units and upfacing and vertical joints between masonry and plywood with sealant. Colors to be selected by GSA.



Install 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy into sound masonry backup, 3" embedment (minimum) [PIN(#) denotes number of pins]. Rout and seal associated crack(s) and seal pin embedment with sealant. Color to be selected by GSA.



Install stainless steel strap [STRAP(#) denotes number of straps], 1-inch wide stainless steel strap. Install 4 (minimum) 3/16" diameter stainless steel Tapcon anchors per strap, 2.75" long into sound mortar joint or sound masonry only if sound mortar joint is not present. Rout and seal associated crack(s) and seal anchor embedment with sealant. Color to be selected by GSA.



Install stainless steel wire mesh, type 304, 4x4 per inch, 0.047" wire diameter, with 1/4" diameter stainless steel threaded rod, with nut and washer, set in epoxy at 12" on center, 3" embedment (minimum) into sound mortar joints or into wood furring strips anchored with stainless steel 12" on center installed into sound mortar joints.



Replace cracked glass.



Grind and tuckpoint mortar joint.

GENERAL NOTES:

Repair locations shown on elevation are approximate. Refer to photo for actual location. Do not damage adjacent masonry.

Refer to Recommended Temporary Stabilization Repair Products Memorandum #01, dated October 13, 2020, for repair product information.

All work shall be performed in accordance with U.S. Department of the Interior Standards for the Treatment of Historic Properties, Brick Industry Association Technical Notes, and all other current applicable guidelines.

All drawings shall be viewed in color.

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PROJECT: 202&220 S STATE STREET, CHICAGO, IL

SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 11/10/2020

LEGEND-01

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Photo 1: Remove loose + seal



Photo 2: R/S



Photo 3: Remove loose + seal

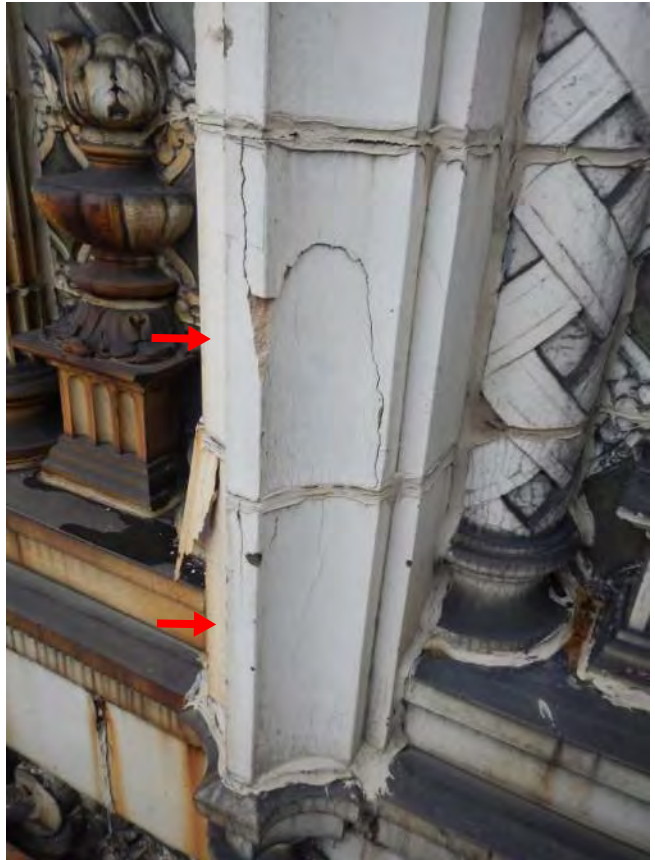


Photo 4: Remove loose + seal

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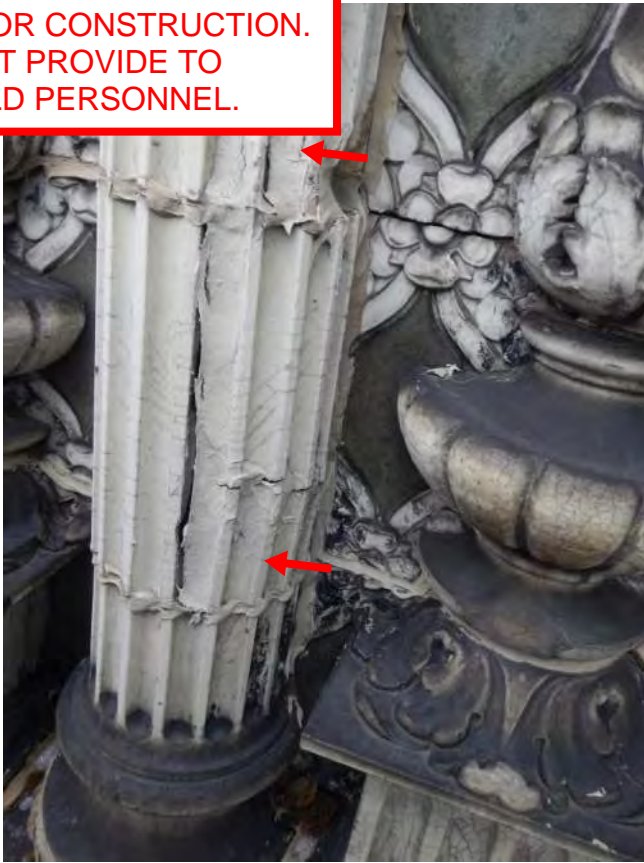


Photo 5: Remove loose + seal



Photo 6: 100% TP



Photo 7: Seal joints



Photo 8: Seal

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Photo 9: Remove loose + seal



Photo 10: Remove loose + seal



Photo 11: Remove loose

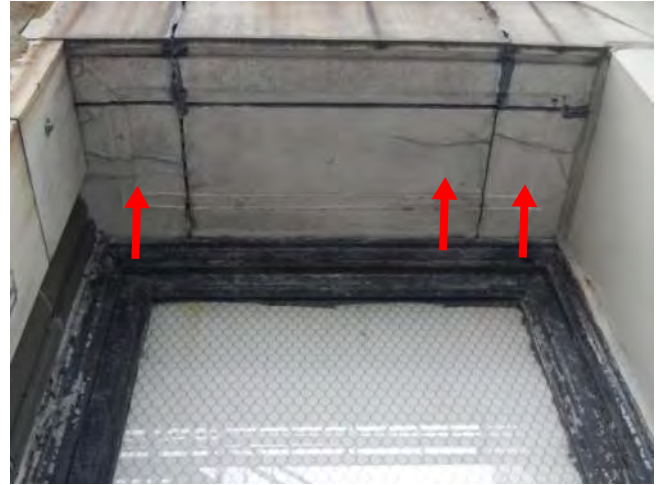


Photo 12: Install straps



Photo 13: R/S



Photo 14: Seal

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Photo 15: Remove loose + seal & R/S



Photo 16: R/S



Photo 17: R/S



Photo 18: R/S

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Photo 19: R/S



Photo 20: Cracked window



Photo 21: Cracked window



Photo 22: Remove loose+seal

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Photo 23: Remove loose material

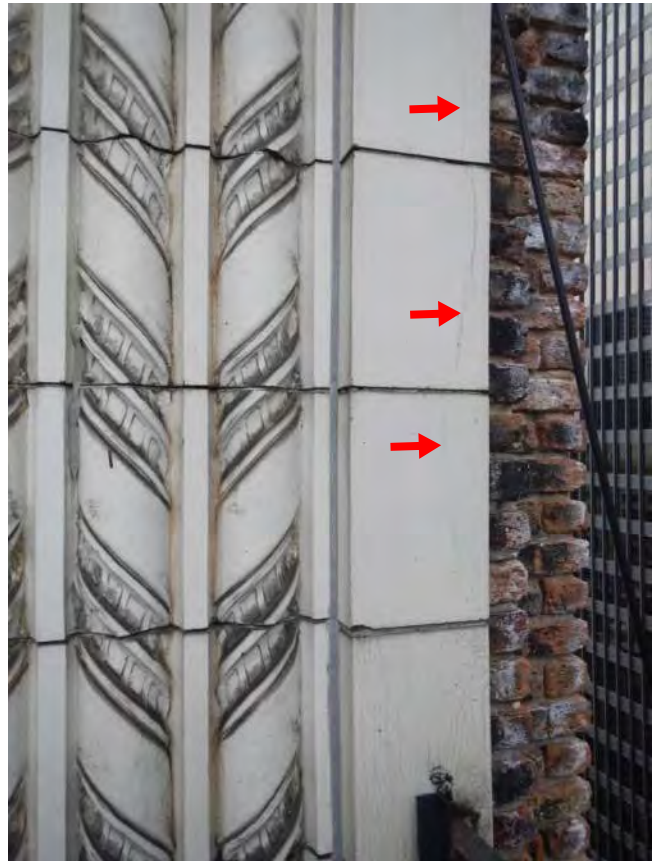


Photo 24: R/S



Photo 25: R/S



Photo 26: Remove loose

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Photo 27: Remove loose + R/S cracks + install wood



Photo 28: Remove loose + R/S cracks + install wood



Photo 29: R/S



Photo 30: Remove loose patch material + replace

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Photo 31: R/S cracks + install straps



Photo 32: R/S cracks+ install straps

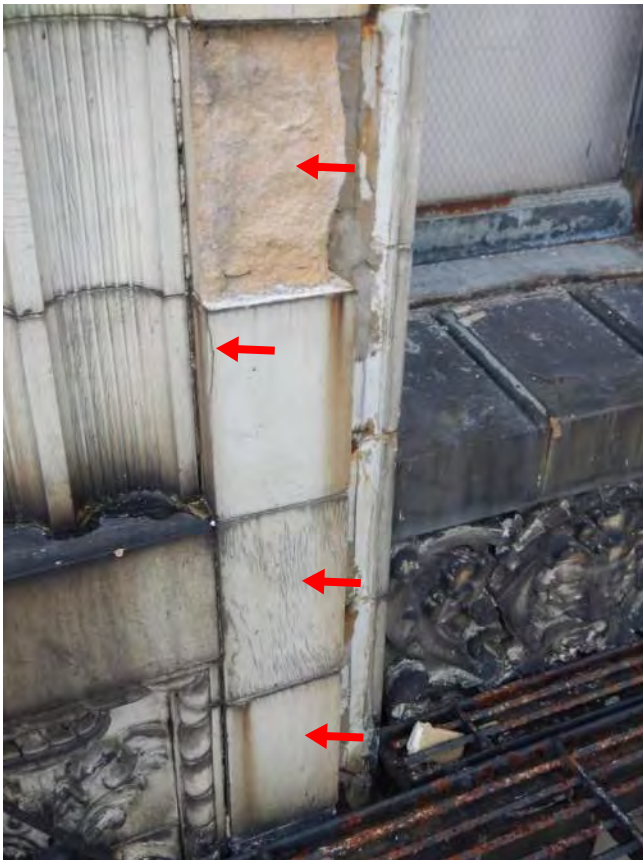


Photo 33: Remove loose + R/S cracks + install wood



Photo 34: Remove loose + seal

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Photo 35: R/S cracks+ install straps

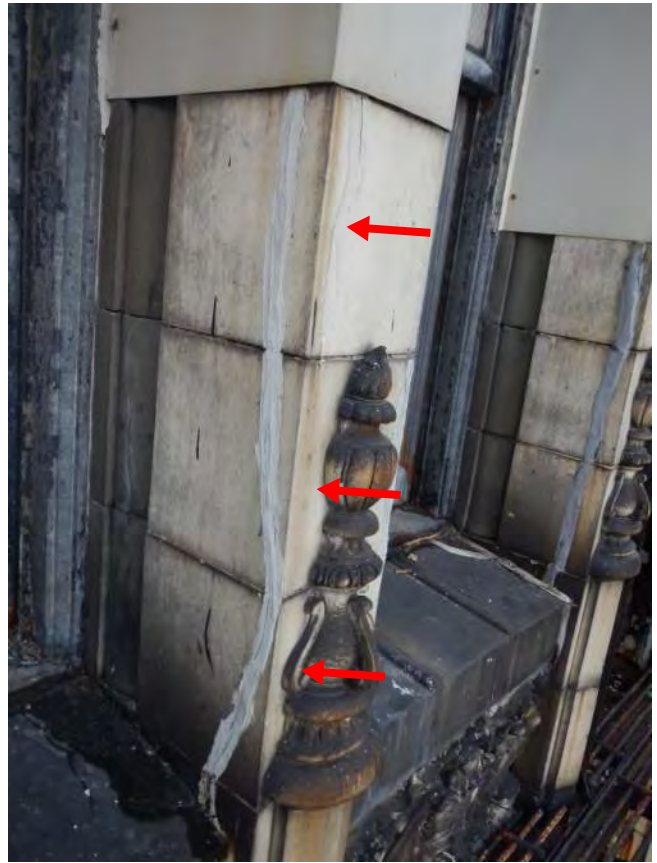


Photo 36: R/S cracks + install straps



Photo 37: Remove loose + seal



Photo 38: Remove loose + seal

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Photo 39: Remove loose + seal



Photo 40: R/S

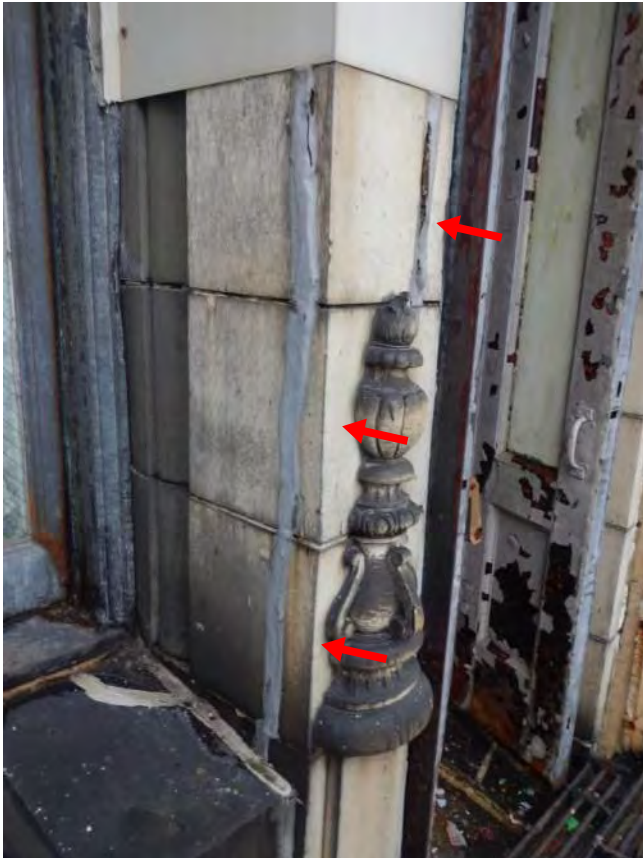


Photo 41: R/S cracks+ install straps

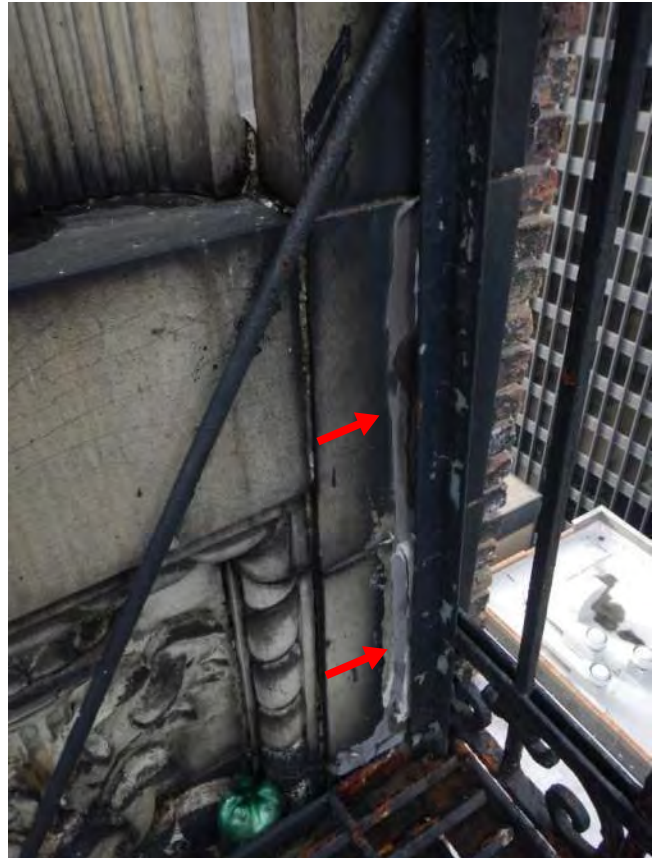


Photo 42: R/S

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Photo 43: Replace sealant at all threshold joints, TYP, all cracks & patch materials to be replaced & sealed



Photo 44: 100% TP



Photo 45: Remove loose + R/S cracks + install wood



Photo 46: Re-seal

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Photo 47: Remove loose + R/S cracks + install wood

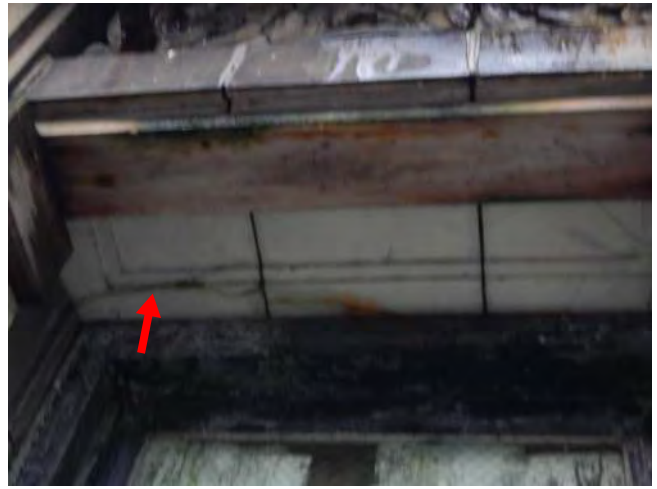


Photo 48: R/S



Photo 49: R/S



Photo 50: Remove loose + R/S cracks + install wood

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Photo 51: R/S



Photo 52: Replace sealant at all threshold joints, TYP, all cracks & patch materials to be replaced & sealed



Photo 53: R/S cracks + install straps



Photo 54: Remove loose + seal

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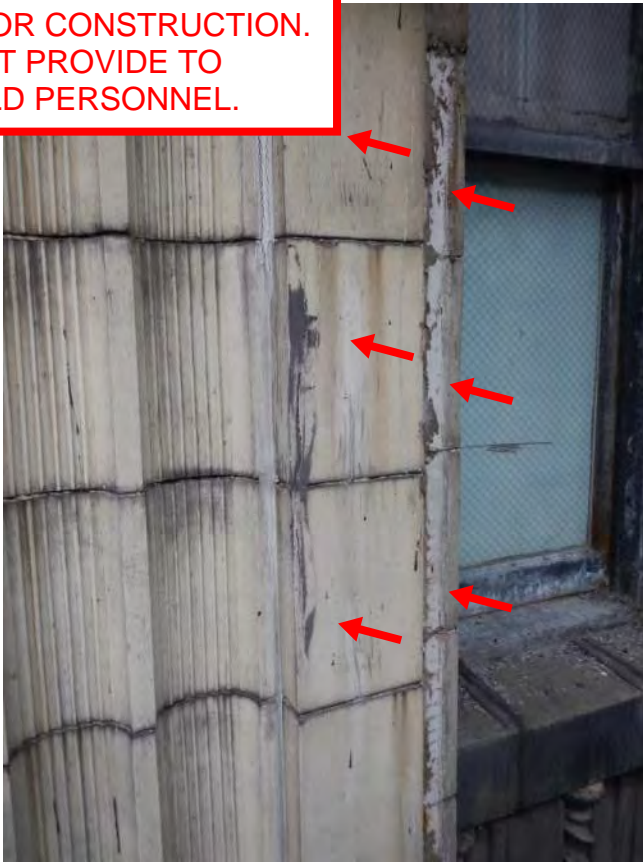


Photo 55: R/S cracks + install straps



Photo 56: R/S cracks + install straps



Photo 57: Remove loose



Photo 58: Remove loose + R/S cracks + install wood

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Photo 59: Remove loose + seal

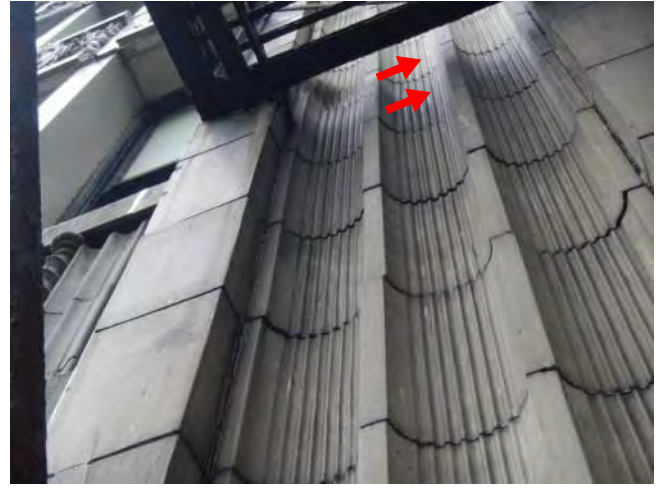


Photo 60: R/S



Photo 61: R/S



Photo 62: Replace wood

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Photo 63: R/S



Photo 64: R/S



Photo 65: Remove loose + R/S cracks + install wood



Photo 66: Cracked window

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Photo 67: R/S



Photo 68: Remove loose + seal



Photo 69: Remove loose



Photo 70: R/S cracks + install straps

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Photo 71: Remove loose + seal



Photo 72: Brick replacement



Photo 73: Remove loose + R/S cracks + install wood



Photo 74: R/S cracks + install wood

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Photo 75: 100% TP



Photo 76: R/S



Photo 77: R/S cracks + install wood



Photo 78: R/S cracks + install mesh or straps

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Photo 79: R/S



Photo 80: R/S cracks + install straps



Photo 81: Remove loose + seal



Photo 82: R/S cracks+ install mesh or straps

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Photo 83: Cracked window



Photo 84: R/S cracks+ install straps



Photo 85: R/S cracks+ install mesh or straps



Photo 86: R/S cracks+ install straps

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Photo 87: Install straps



Photo 88: R/S cracks+ install wood



Photo 89: R/S



Photo 90: Install straps



Photo 91: R/S



Photo 92: Remove loose

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Photo 93: R/S

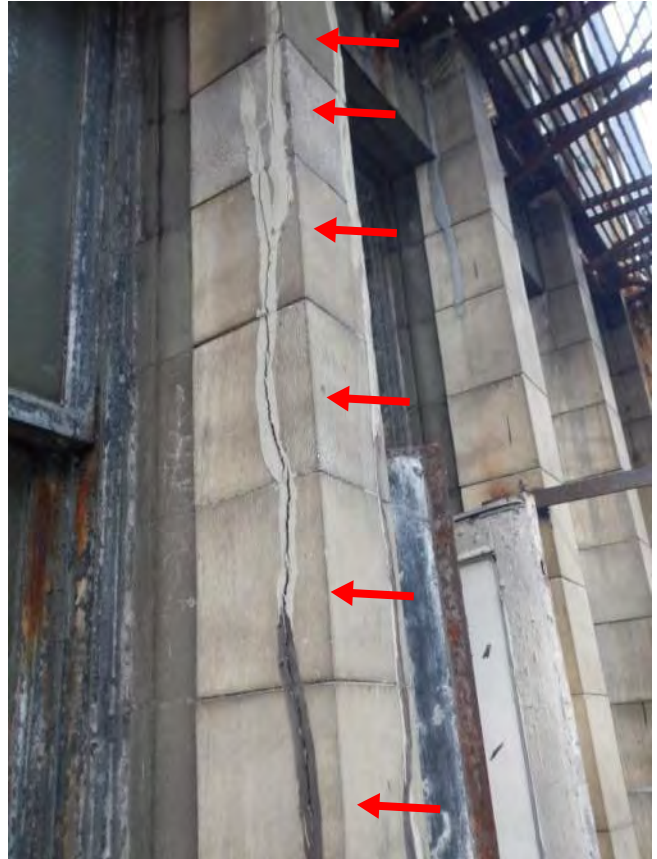


Photo 94: R/S cracks + install mesh or straps



Photo 95: Cracked window

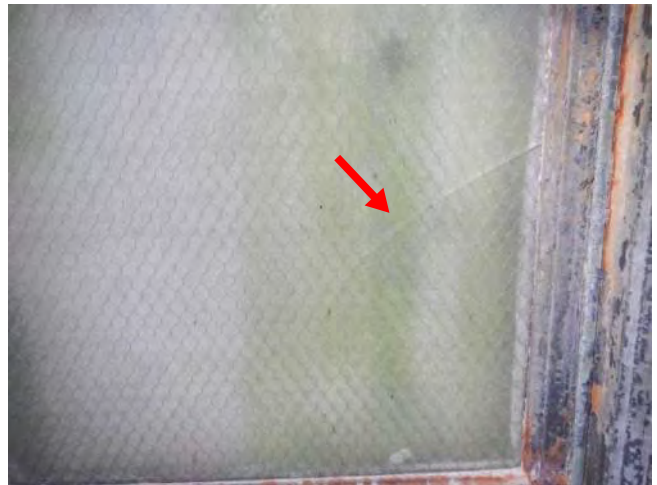


Photo 96: Cracked window

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Photo 97: R/S cracks + install mesh or straps



Photo 98: R/S cracks + install mesh or straps



Photo 99: R/S cracks + install mesh or straps



Photo 100: Cracked window

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Photo 101: R/S



Photo 102: R/S

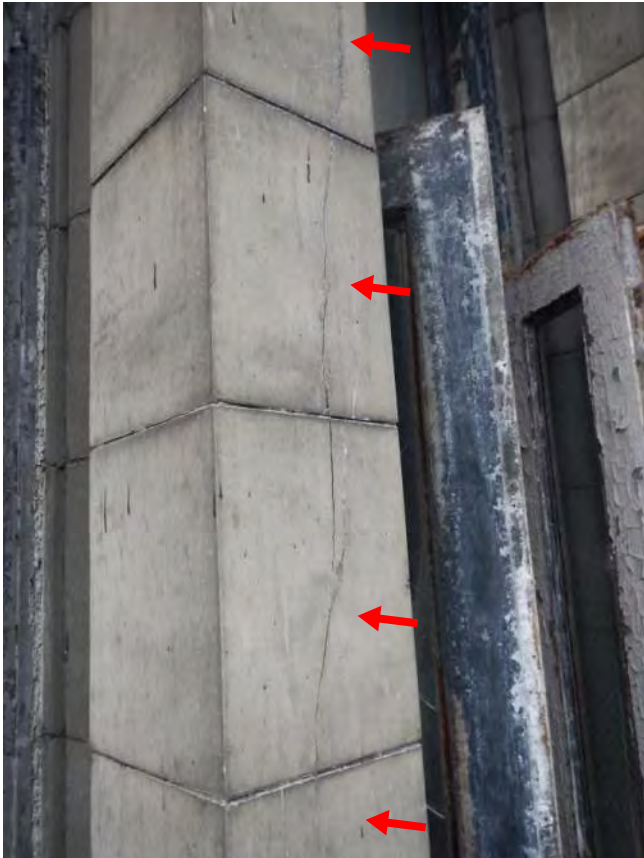


Photo 103: R/S cracks + install mesh or straps



Photo 104: R/S cracks + install mesh or straps

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Photo 105: R/S cracks + install mesh or straps



Photo 106: R/S cracks + install straps



Photo 107: R/S cracks + install mesh or straps



Photo 108: Seal

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Photo 109: 100% TP



Photo 110: Cracked window



Photo 111: Cracked window



Photo 112: Replace wood

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Photo 113: Replace wood



Photo 114: R/S



Photo 115: R/S cracks + install mesh or strap



Photo 116: R/S cracks + install mesh or strap

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Photo 117: R/S cracks + install mesh or strap

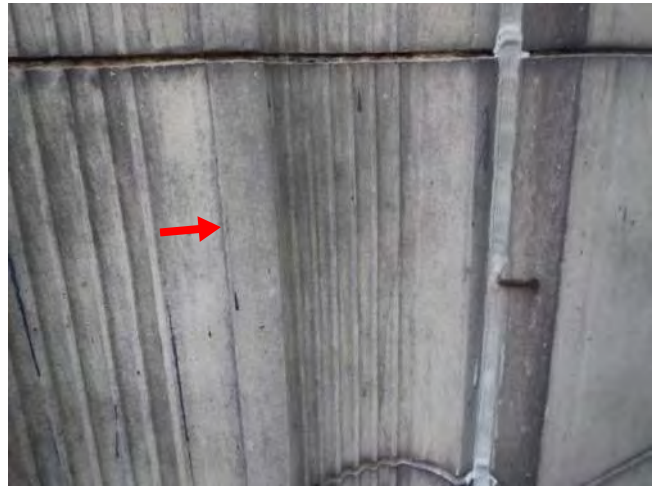


Photo 118: R/S



Photo 119: R/S



Photo 120: R/S

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Photo 121: R/S cracks+ install straps



Photo 122: Seal



Photo 123: R/S



Photo 124: R/S

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Photo 125: R/S



Photo 126: R/S



Photo 127: R/S

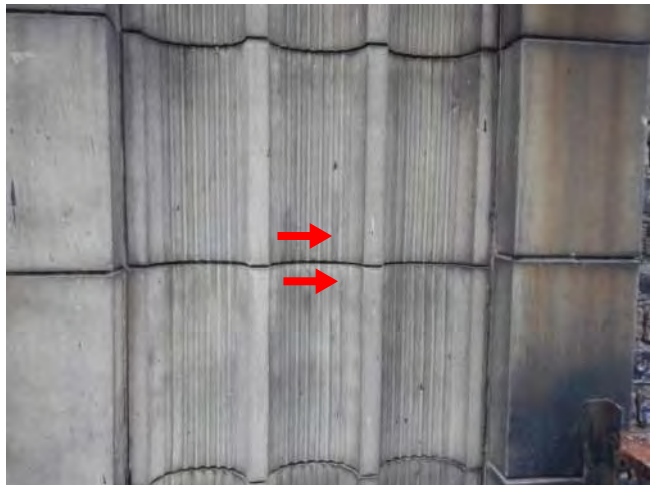


Photo 128: R/S

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Photo 129: R/S cracks + install straps

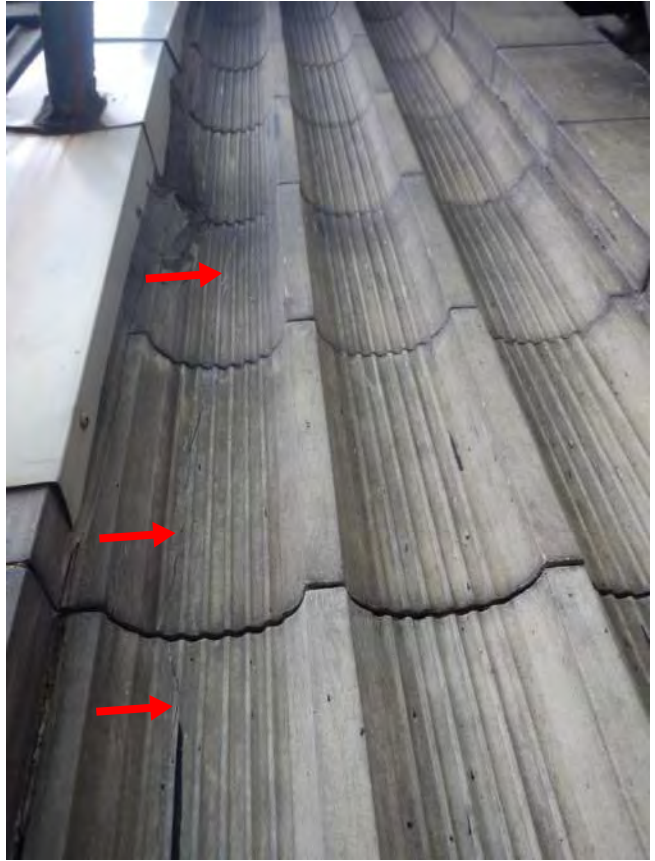


Photo 130: R/S



Photo 131: R/S cracks + install straps



Photo 132: R/S cracks + install straps

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Photo 133: Remove loose panel



Photo 134: R/S



Photo 135: R/S cracks + install straps



Photo 136: R/S crack + install mesh or strap

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Photo 137: Install mesh



Photo 138: R/S crack + install straps



Photo 139: Remove loose + seal



Photo 140: R/S

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Photo 141: R/S crack + install strap

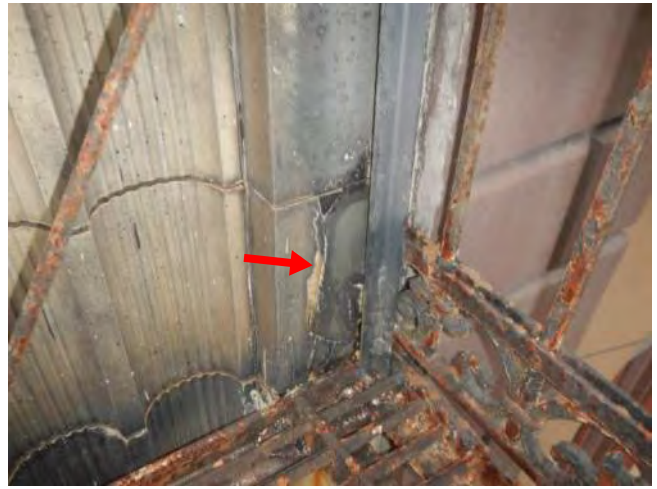


Photo 142: Remove loose + seal



Photo 143: Remove loose panel



Photo 144: R/S



Photo 145: Install mesh or strap



Photo 146: Remove loose panel

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Photo 147: R/S



Photo 148: R/S



Photo 149: R/S failed joints



Photo 150: Remove loose + install wood

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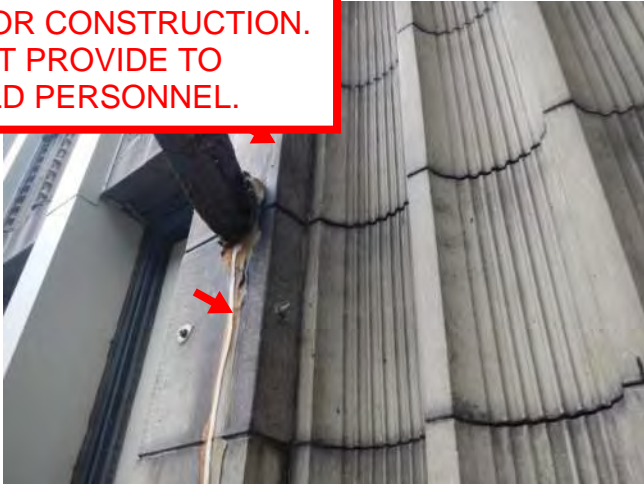


Photo 151: R/S