

Thornton Tomasetti

Building Solutions

Project

The Consumers Building
220 South State Street
Chicago, Illinois

2021 Critical Examination Report – Record Documents

TT Project No. C20178.00

Prepared For

United States General Services Administration
Great Lakes Region 5

General Services Administration
230 South Dearborn Street
Chicago, Illinois 60604

Prepared By

Thornton Tomasetti Inc.
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Phone: 312.596.2000

December 13, 2021

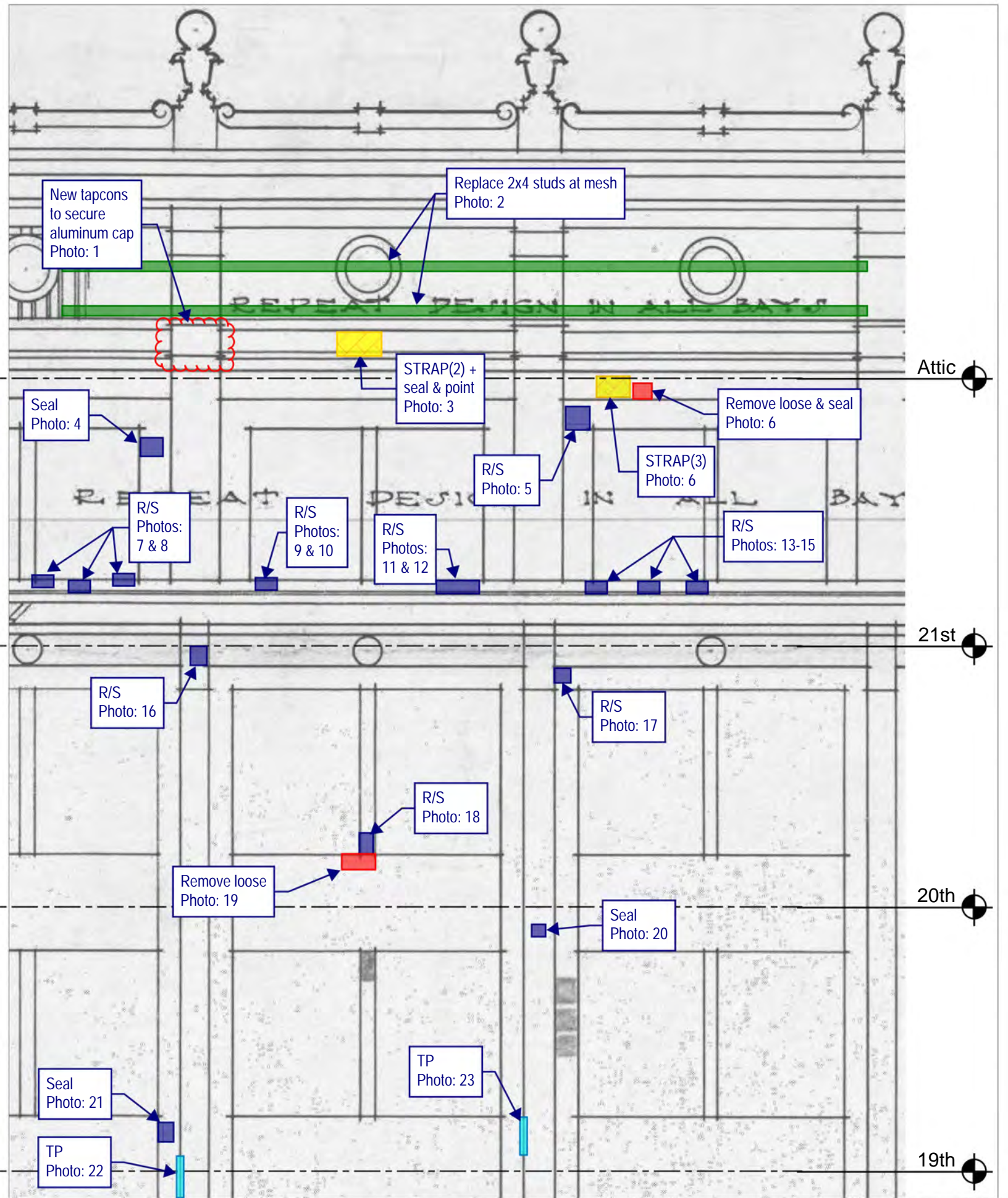


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Appendix A – Pt. 2: Drop Plans and Temporary Stabilization
Recommendations

Note: Critical Examination Report is under separate cover.

Appendix A – Pt. 2: Drop Plans and Temporary Stabilization Recommendations



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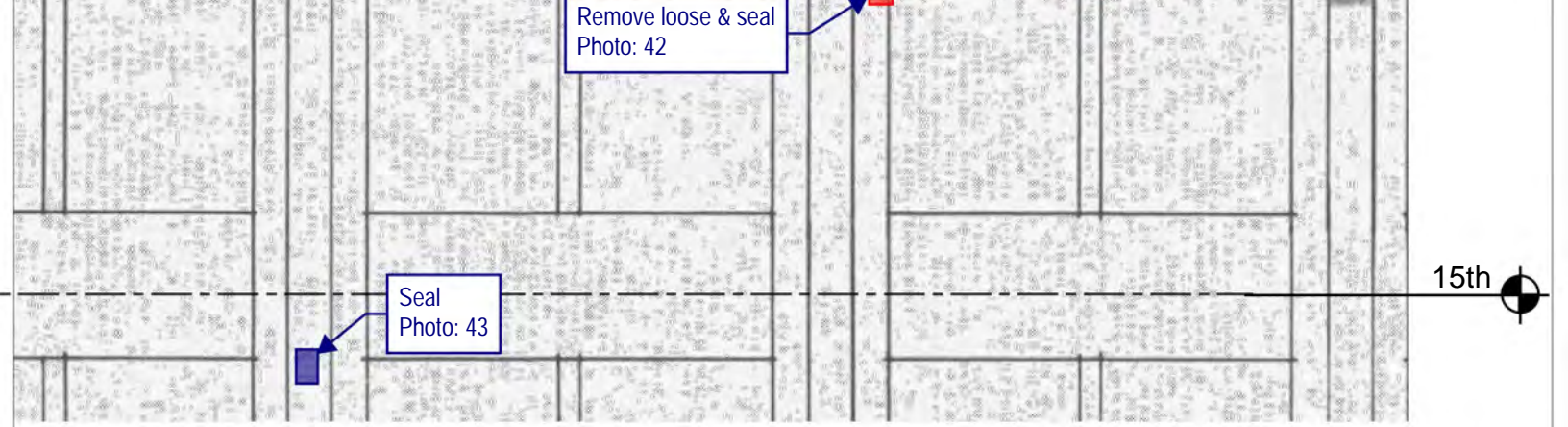
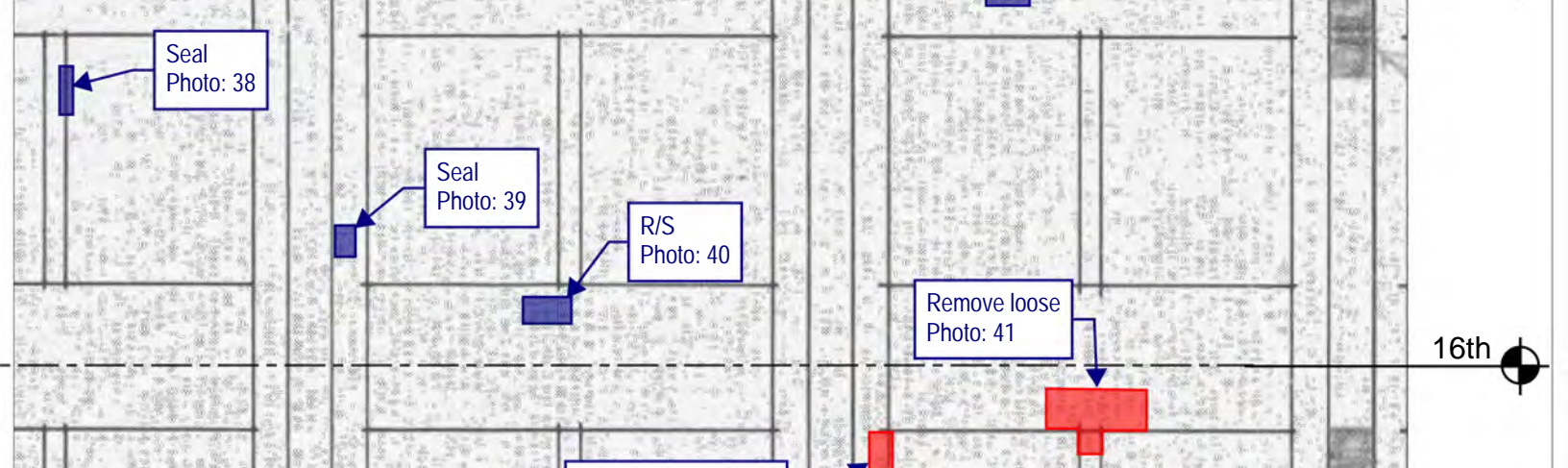
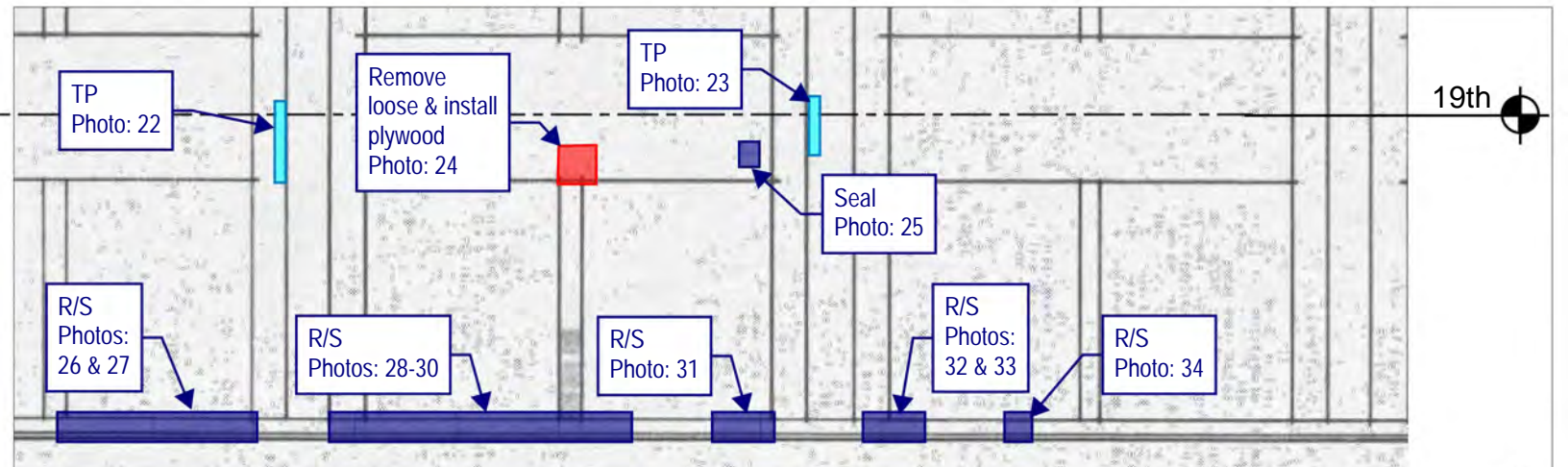
**220 SOUTH STATE STREET
 CHICAGO, IL**

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

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

DRAWING No.

S-7



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**220 SOUTH STATE STREET
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2020 CRITICAL INSPECTION

PROJECT: C20178 DATE:

SCALE: N.T.S.

No.1 DROP 5 - SOUTH ELEVATION

No.2

No.3

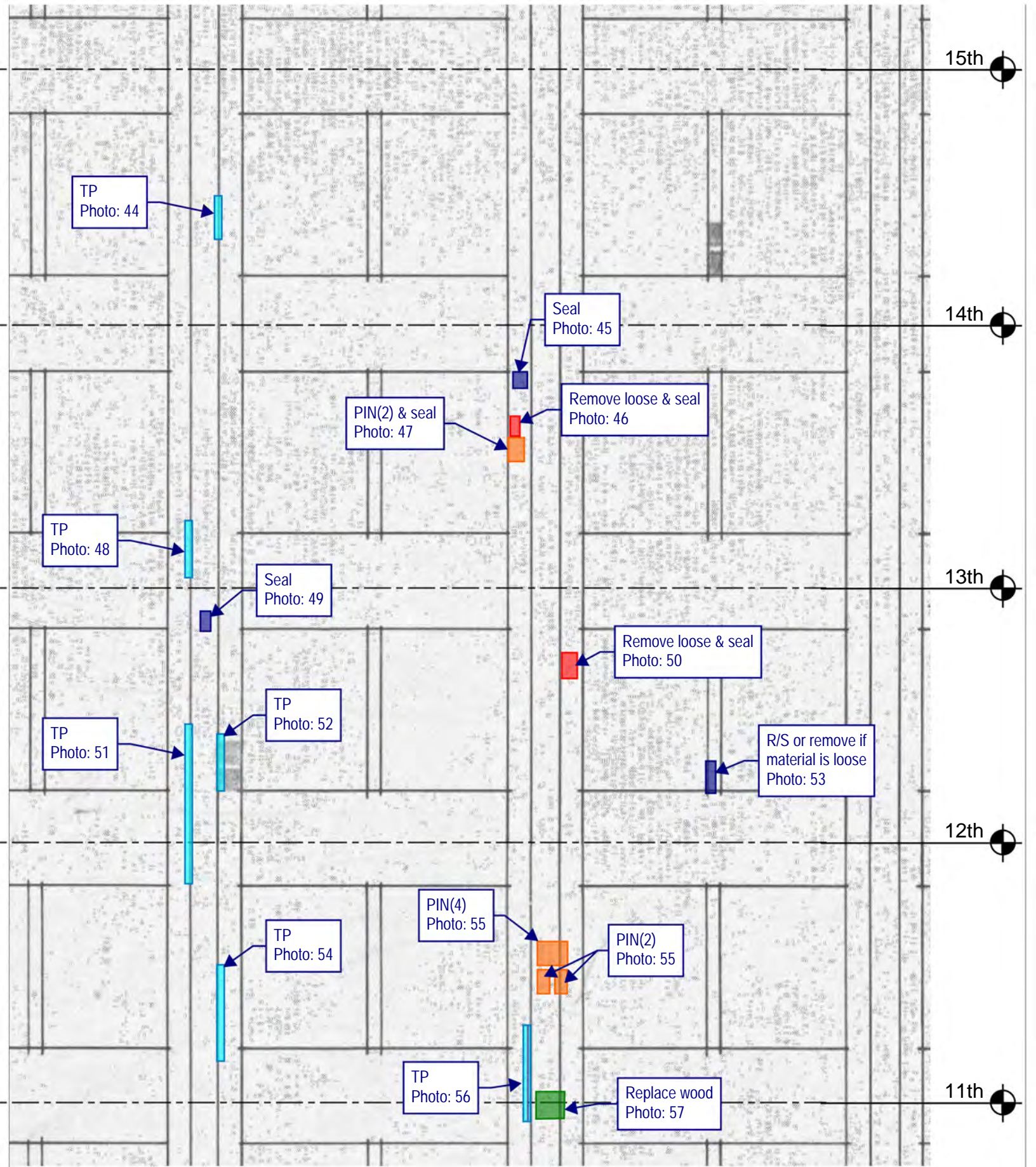
No.4

No.5

11/3/20

DRAWING No.

S-8



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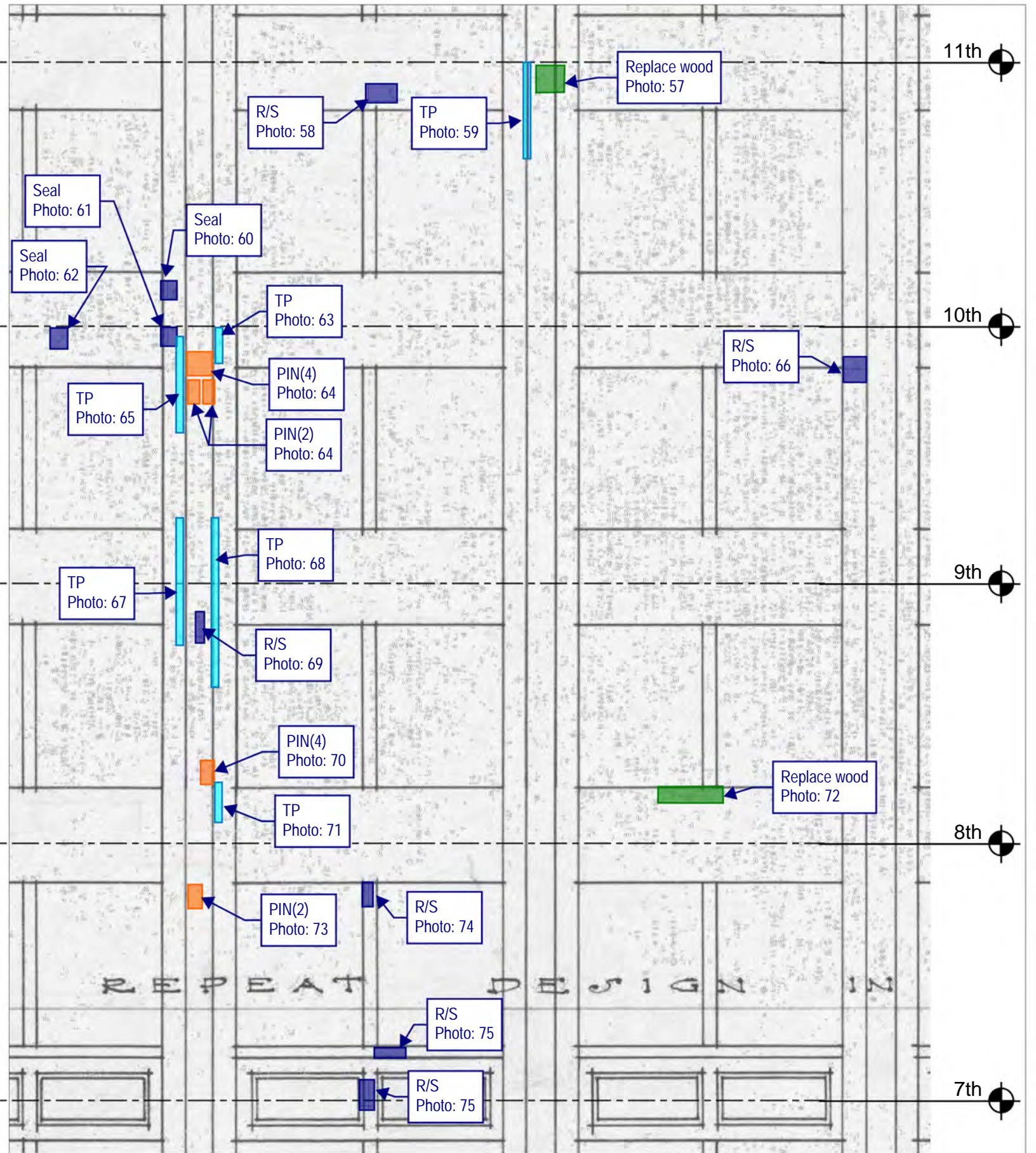
**220 SOUTH STATE STREET
 CHICAGO, IL**

2020 CRITICAL INSPECTION

PROJECT: C20178 DATE:

SCALE: N.T.S.

No.1	DROP 5 - SOUTH ELEVATION	11/3/20	DRAWING No. S-9
No.2			
No.3			
No.4			
No.5			



11th

10th

9th

8th

7th

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CHICAGO, IL**

2020 CRITICAL INSPECTION

PROJECT: C20178 DATE:

SCALE: N.T.S.

No.1 DROP 5 - SOUTH ELEVATION

No.2

No.3

No.4

No.5

11/3/20

DRAWING No.

S-10

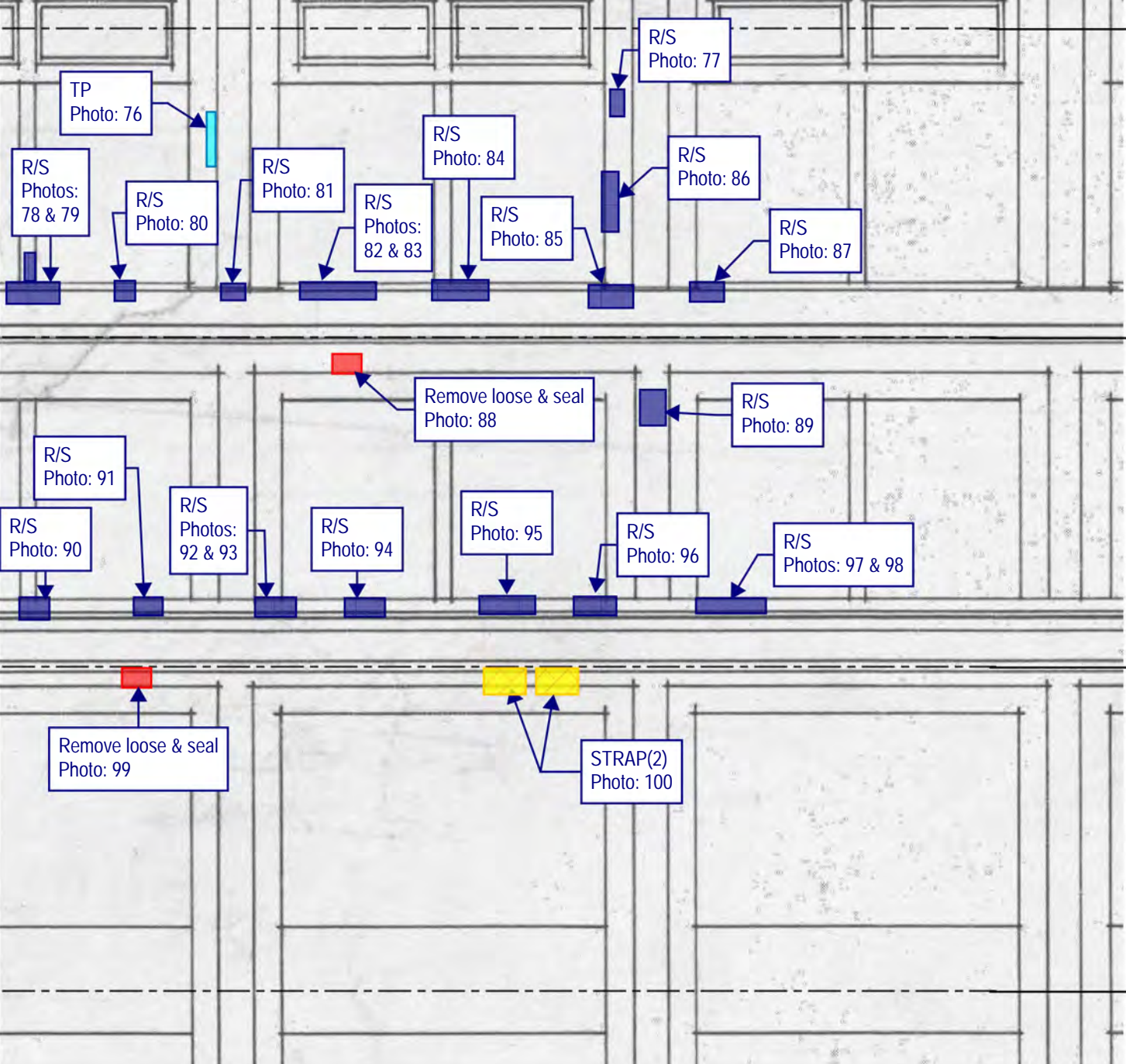
REPEAT DESIGN IN

7th

6th

5th

4th



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**220 SOUTH STATE STREET
 CHICAGO, IL**

2020 CRITICAL INSPECTION
 PROJECT: C20178 DATE: SCALE: N.T.S.

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

DRAWING No.
S-11
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4th

NO REPAIRS

3rd

REPEAT DESIGN IN ALL

NO REPAIRS

2nd

METAL

NO REPAIRS

WOOD & ROLLER

SIDEWALK GRADE

JOINTS

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**220 SOUTH STATE STREET
CHICAGO, IL**

2020 CRITICAL INSPECTION

PROJECT: C20178 DATE:

SCALE: N.T.S.

No.1 DROP 5 - SOUTH ELEVATION

11/3/20

DRAWING No.

No.2

No.3

No.4

No.5

S-12

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

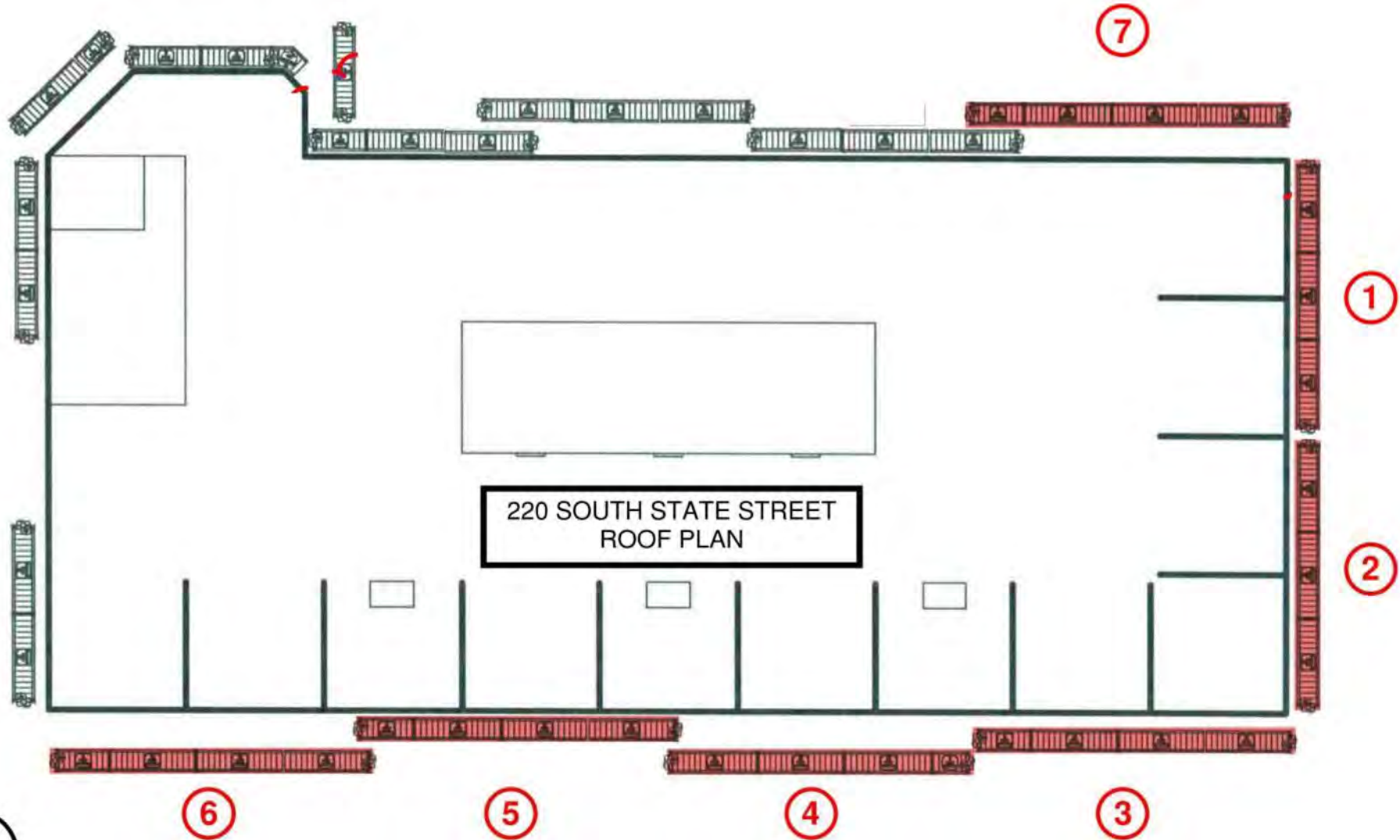
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 11/03/2020

LEGEND-01



DRAWING MUST BE REVIEWED IN COLOR

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

SUBJECT: PROPOSED DROP PLAN

SSK-001

BY: GH

DATE: 08/12/2020

REFERENCE:



Photo 1: New tapcons to secure aluminum cap



Photo 2: Replace 2x4 studs at mesh

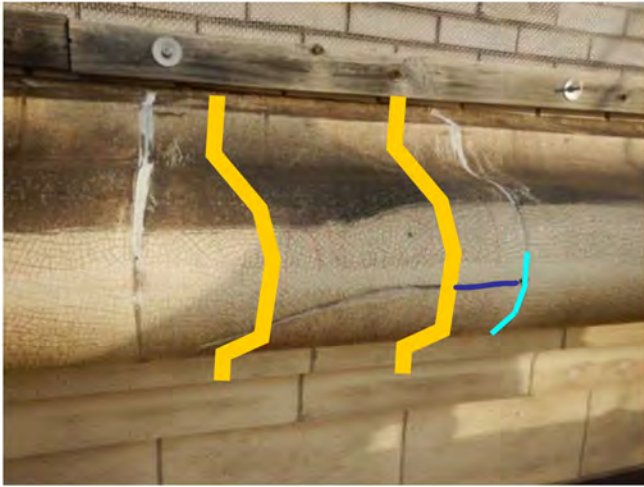


Photo 3: STRAP(2) + seal & point



Photo 4: Seal



Photo 5: R/S

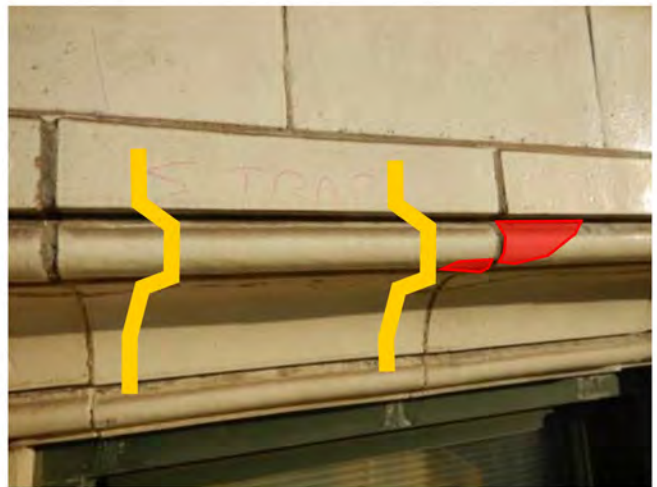


Photo 6: STRAP(3) + Remove loose & seal



Photo 7: R/S

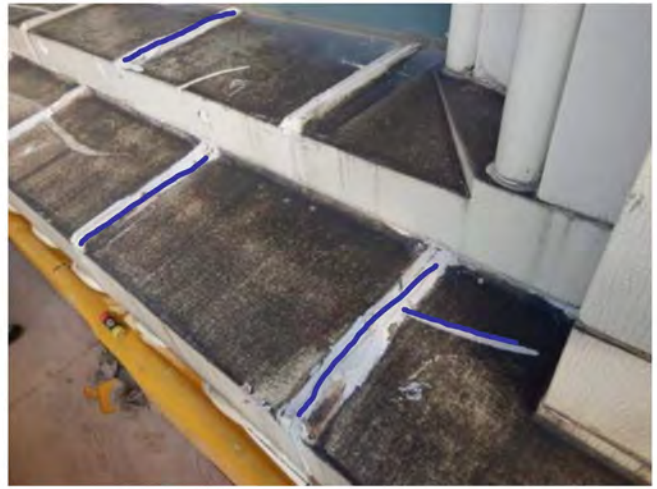


Photo 8: R/S



Photo 9: R/S

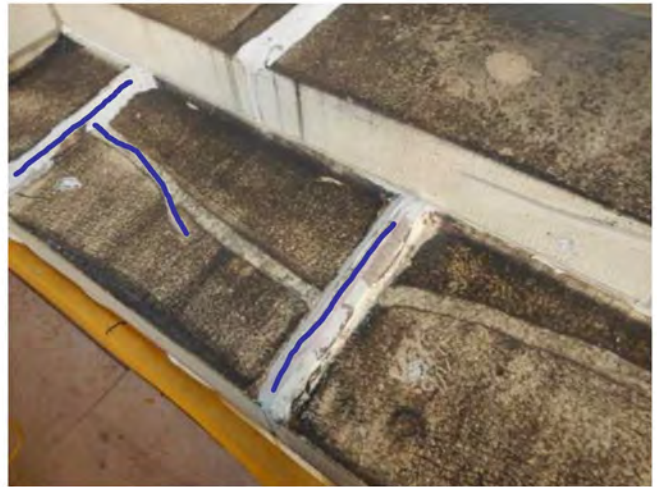


Photo 10: R/S



Photo 11: R/S



Photo 12: R/S

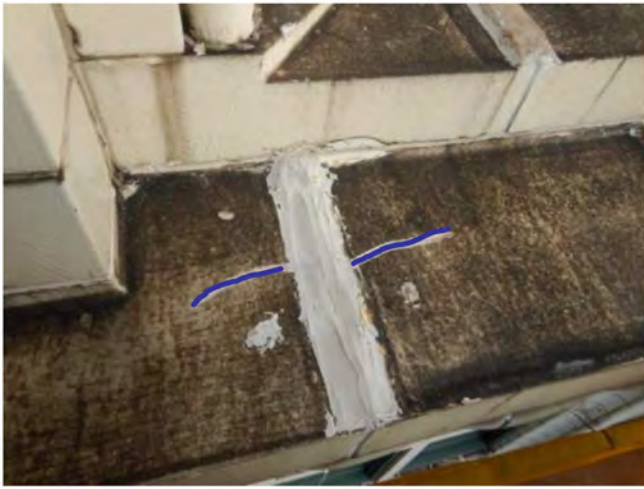


Photo 13: R/S

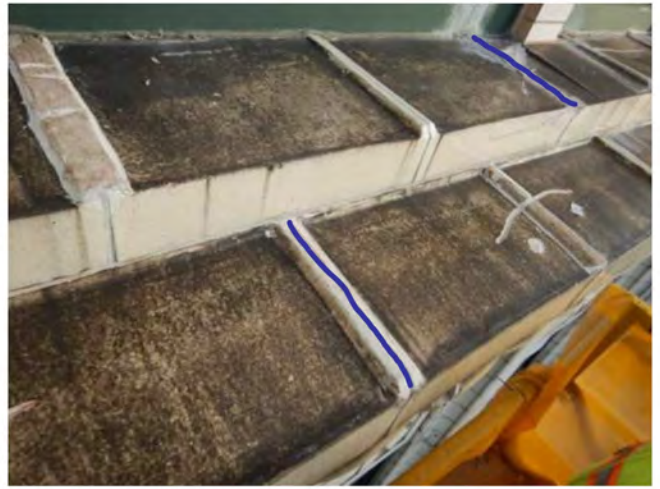


Photo 14: R/S



Photo 15: R/S

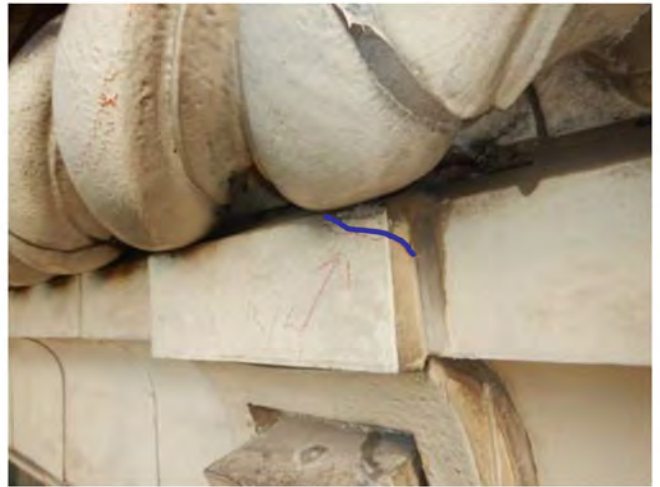


Photo 16: R/S



Photo 17: R/S



Photo 18: R/S



Photo 19: Remove loose



Photo 20: Seal



Photo 21: Seal



Photo 22: TP



Photo 23: TP



Photo 24: Remove loose & install plywood



Photo 25: Seal

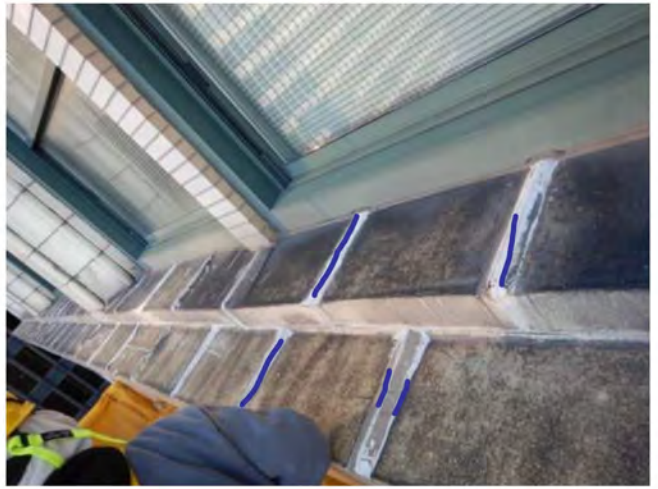


Photo 26: R/S

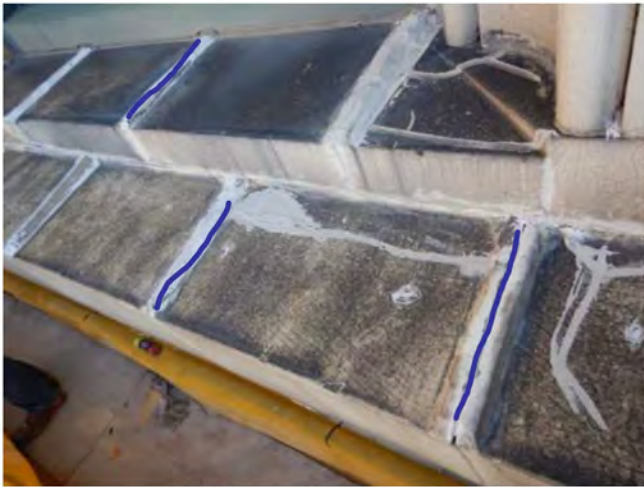


Photo 27: R/S

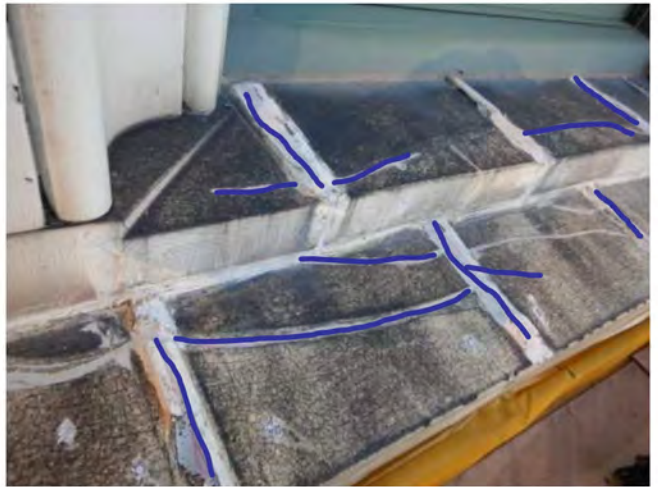


Photo 28: R/S



Photo 29: R/S

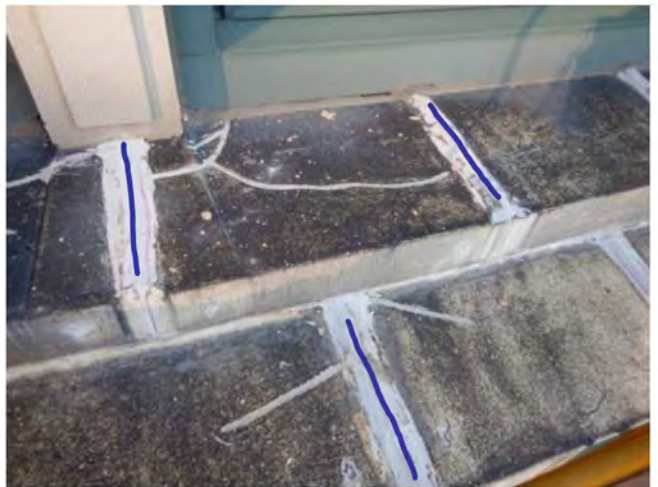


Photo 30: R/S

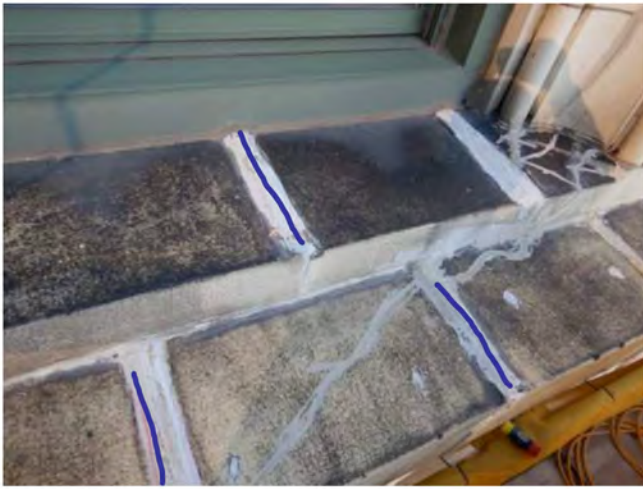


Photo 31: R/S



Photo 32: R/S



Photo 33: R/S

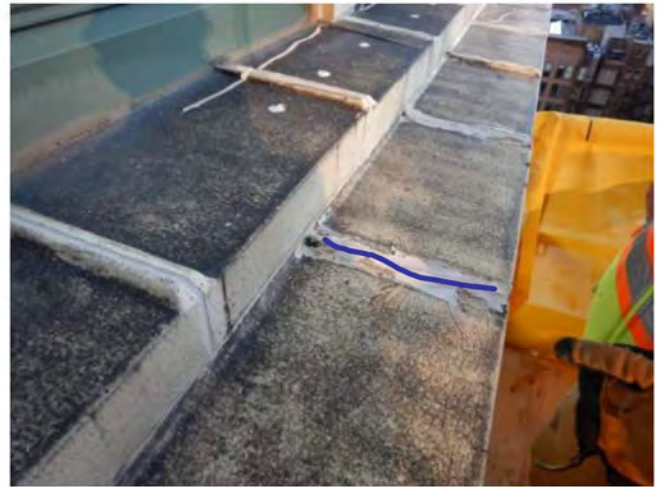


Photo 34: R/S



Photo 35: Seal



Photo 36: Seal



Photo 37: R/S



Photo 38: Seal



Photo 39: Seal



Photo 40: R/S

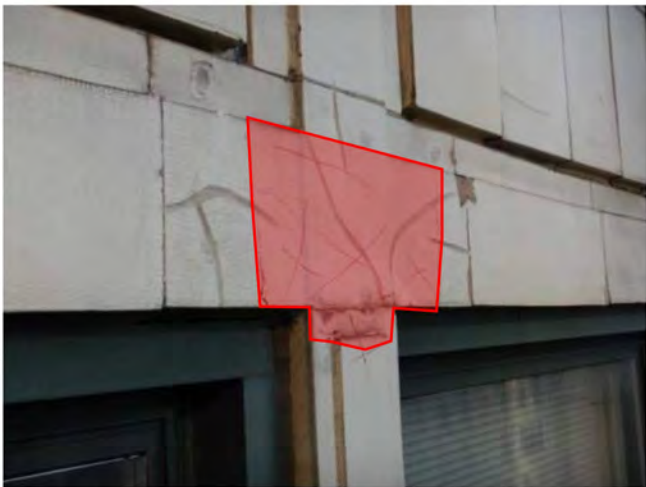


Photo 41: Remove loose



Photo 42: Remove loose & seal



Photo 43: Seal

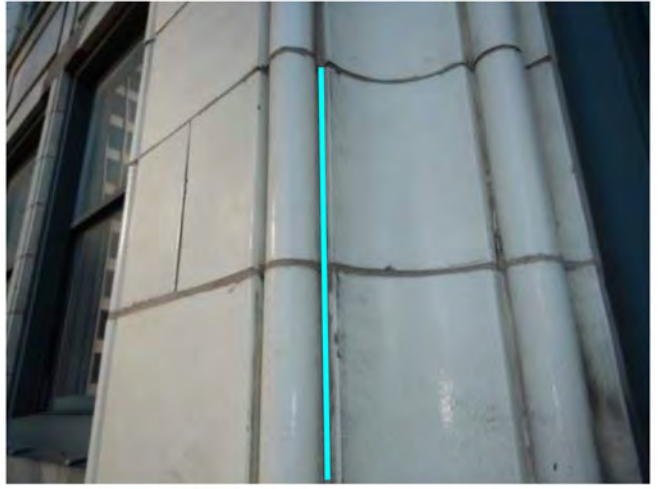


Photo 44: TP



Photo 45: Seal



Photo 46: Remove loose & seal



Photo 47: PIN(2) & seal



Photo 48: TP



Photo 49: Seal



Photo 50: Remove loose & seal



Photo 51: TP



Photo 52: TP



Photo 53: R/S or remove if material is loose



Photo 54: TP



Photo 55: PIN(4) + 2xPIN(2)



Photo 56: TP



Photo 57: Replace wood



Photo 58: R/S

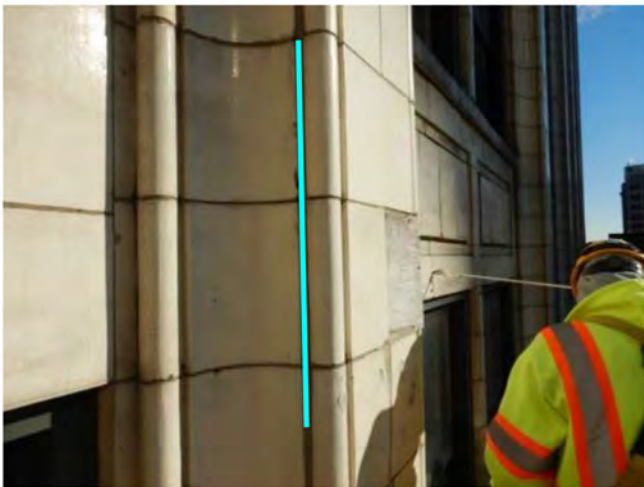


Photo 59: TP



Photo 60: Seal



Photo 61: Seal



Photo 62: Seal

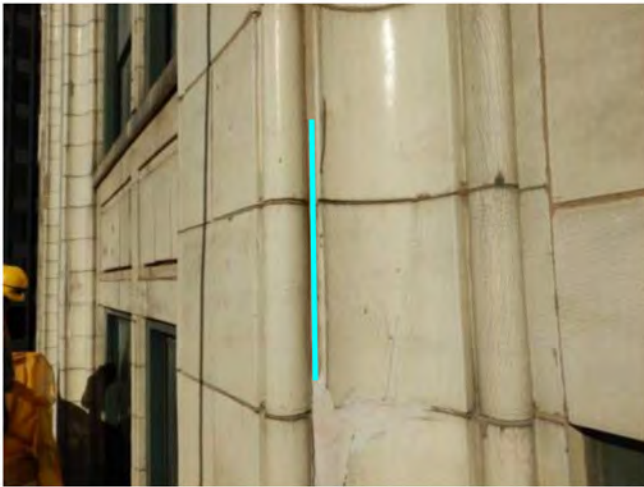


Photo 63: TP



Photo 64: PIN(4) + 2xPIN(2)



Photo 65: TP



Photo 66: R/S

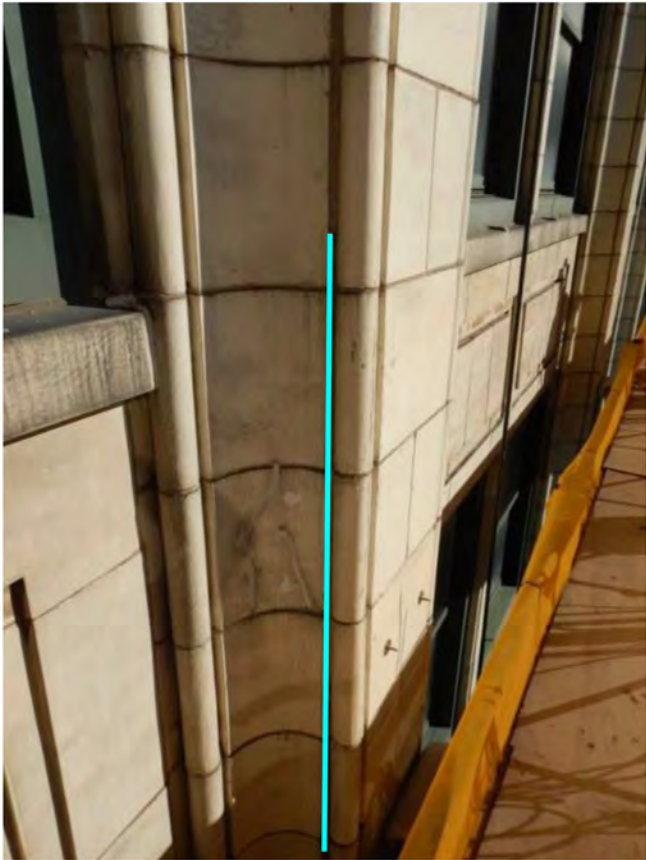


Photo 67: TP

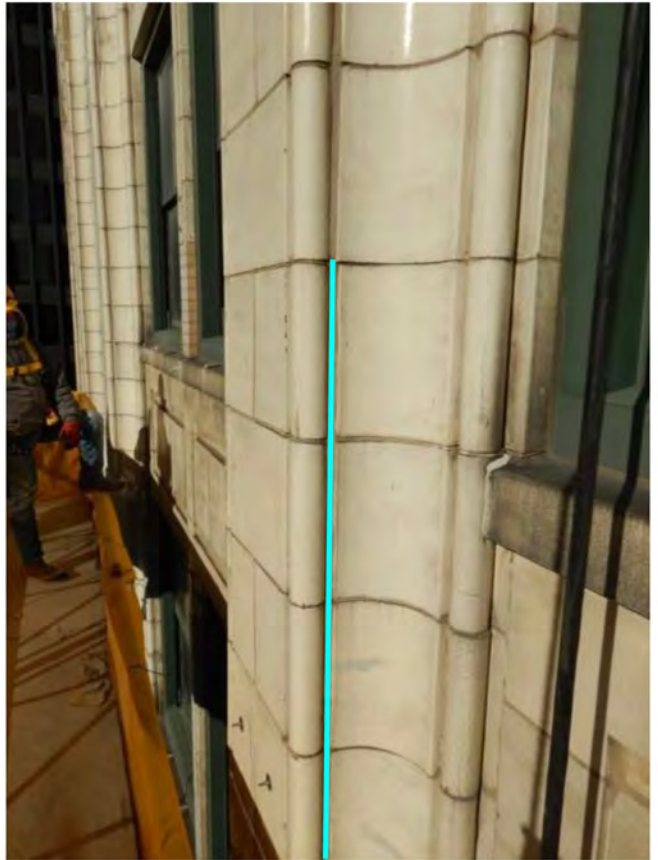


Photo 68: TP



Photo 69: R/S



Photo 70: PIN(4)



Photo 71: TP



Photo 72: Replace wood



Photo 73: PIN(2)



Photo 74: R/S



Photo 75: R/S



Photo 76: TP



Photo 77: R/S



Photo 78: R/S



Photo 79: R/S

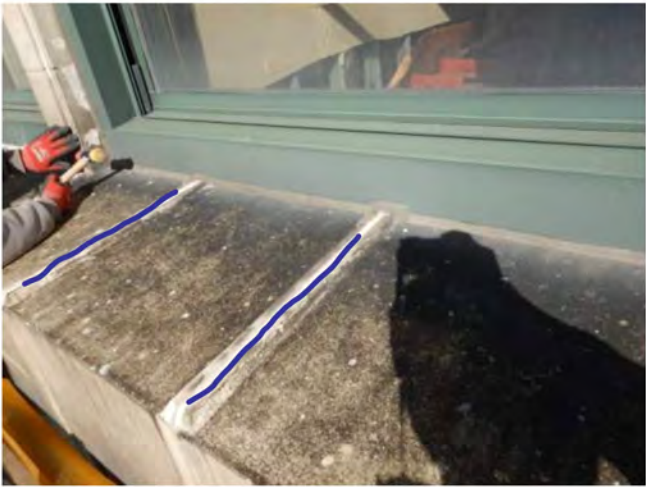


Photo 80: R/S



Photo 81: R/S



Photo 82: R/S



Photo 83: R/S



Photo 84: R/S



Photo 85: R/S



Photo 86: R/S



Photo 87: R/S



Photo 88: Remove loose & seal



Photo 89: Seal



Photo 90: R/S

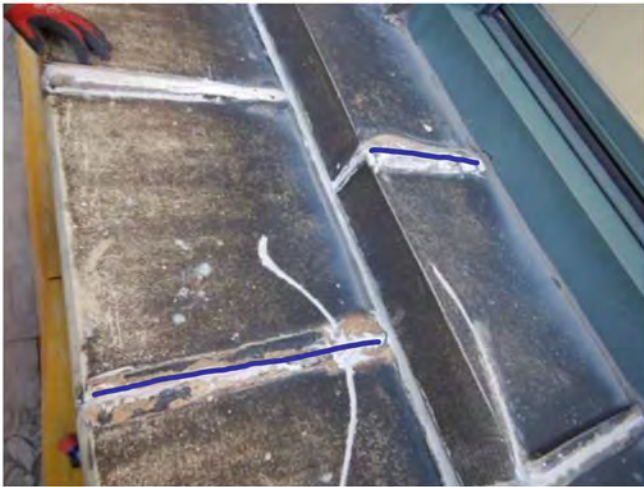


Photo 91: R/S



Photo 92: R/S



Photo 93: R/S

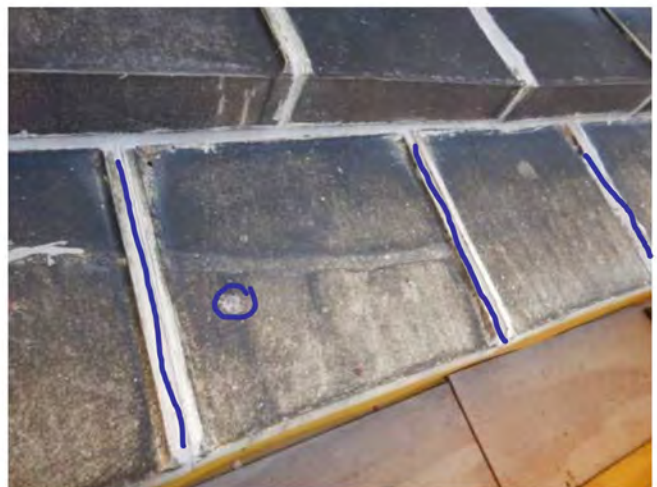


Photo 94: R/S

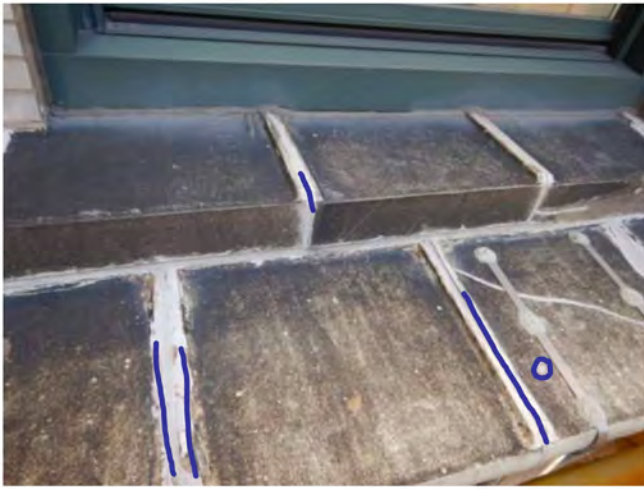


Photo 95: R/S



Photo 96: R/S

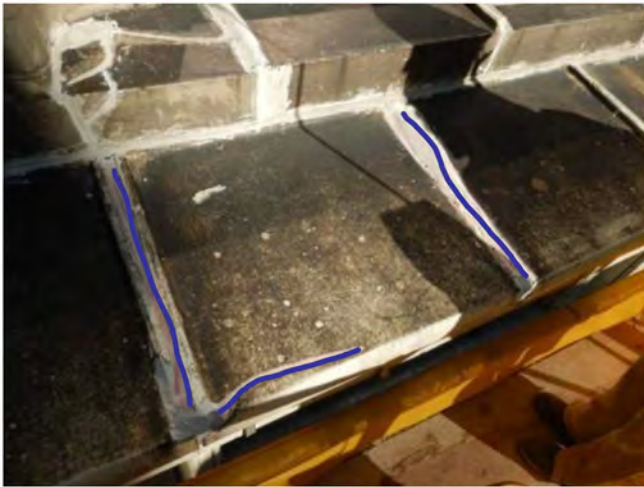


Photo 97: R/S



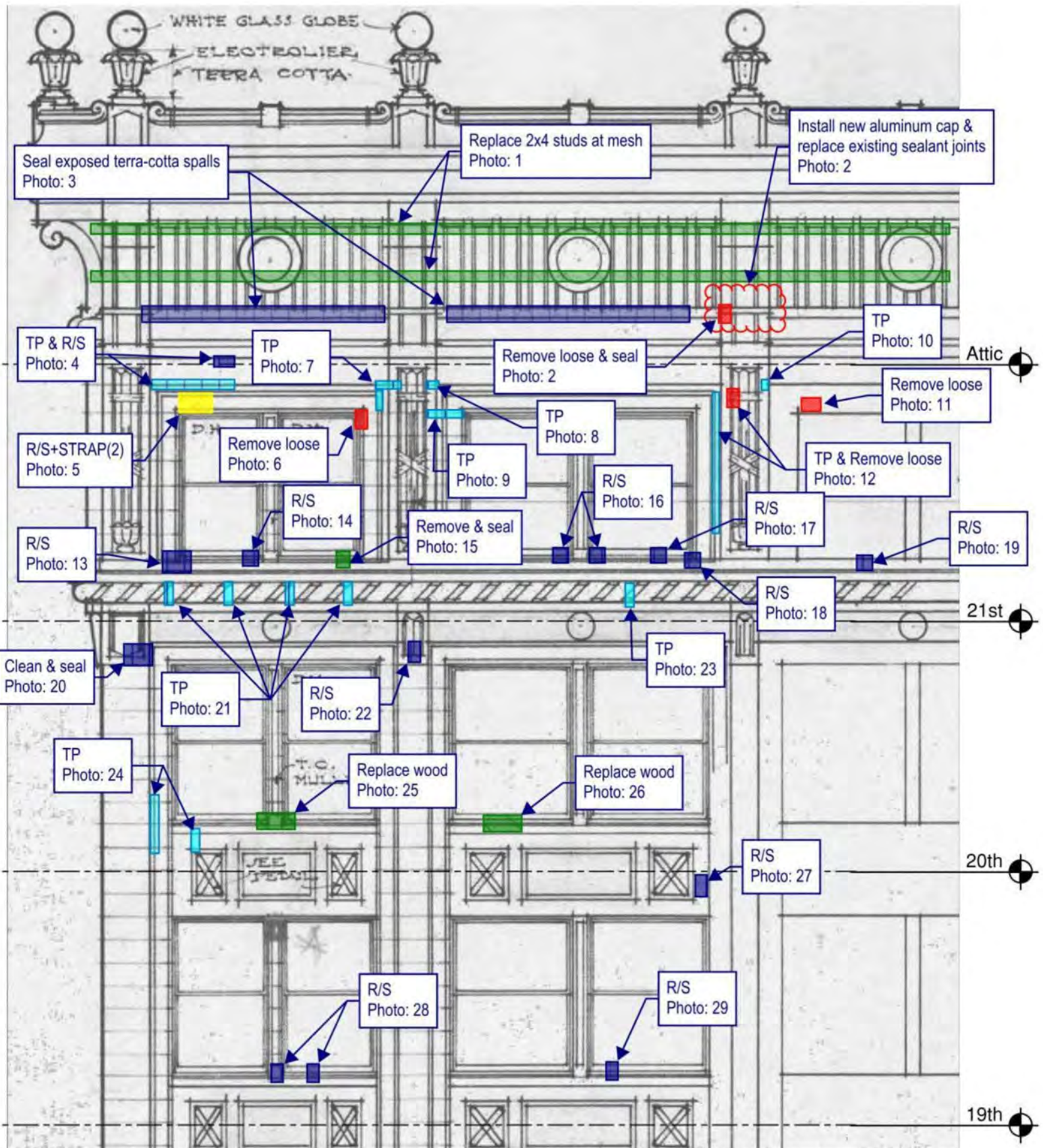
Photo 98: R/S



Photo 99: Remove loose & seal



Photo 100: 2xSTRAP(2)



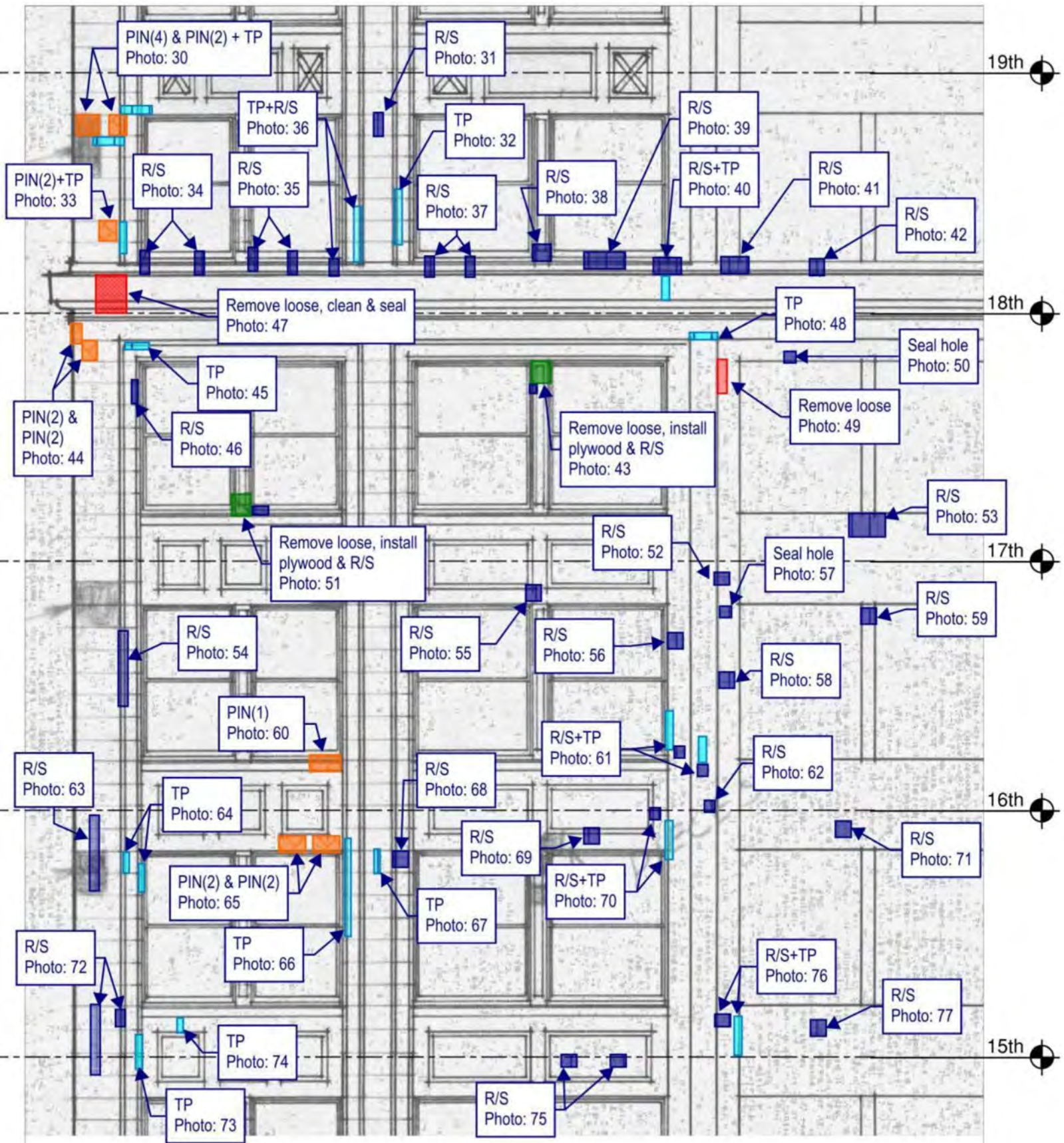
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**220 SOUTH STATE STREET
 CHICAGO, IL**

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

No.1	DROP 6	- SOUTH ELEVATION	10/8/20	DRAWING No.
No.2				
No.3				
No.4				S-1
No.5				

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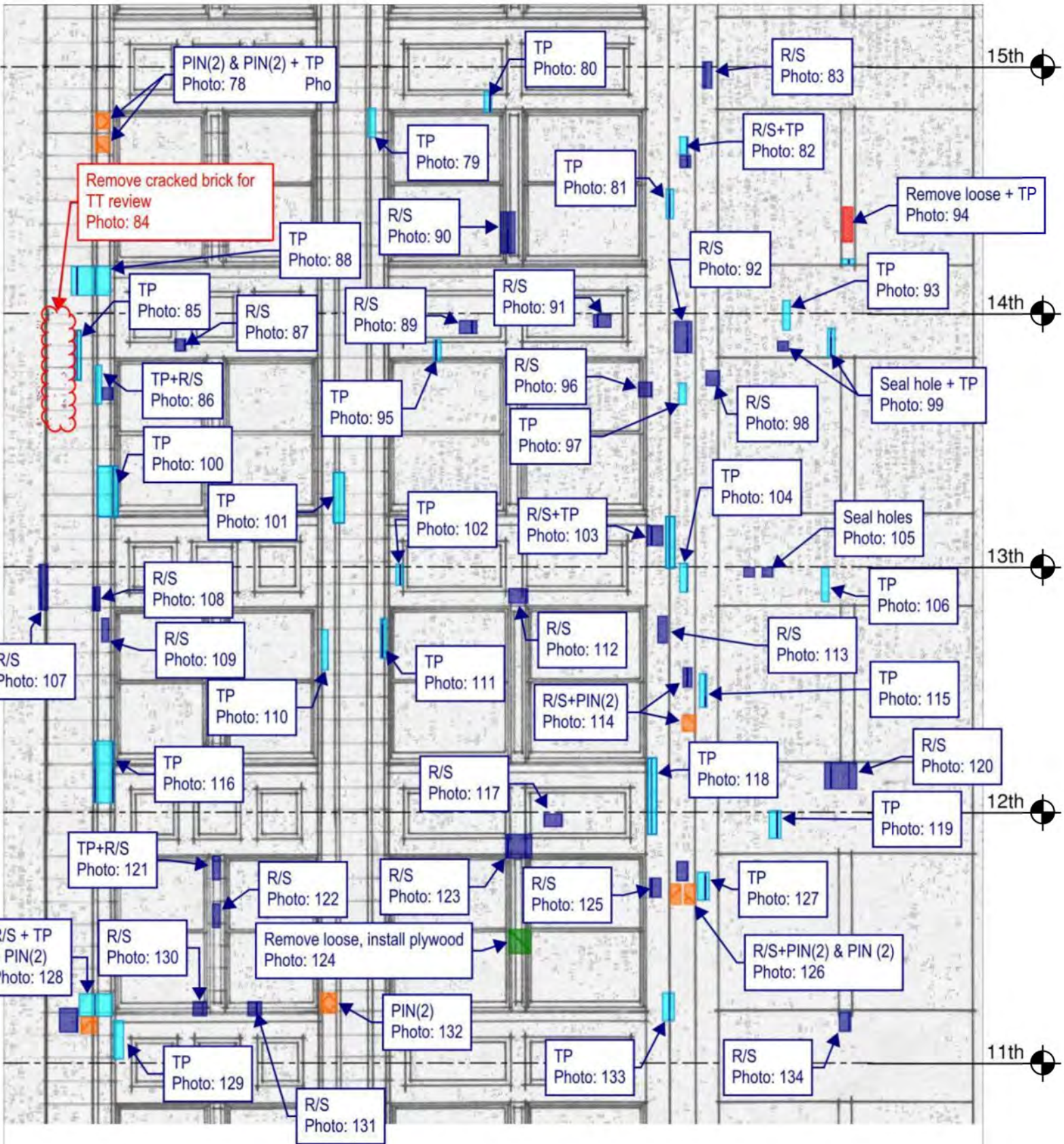
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**220 SOUTH STATE STREET
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 6	- SOUTH ELEVATION	10/8/20	DRAWING No.
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No.3				
No.4				
No.5				

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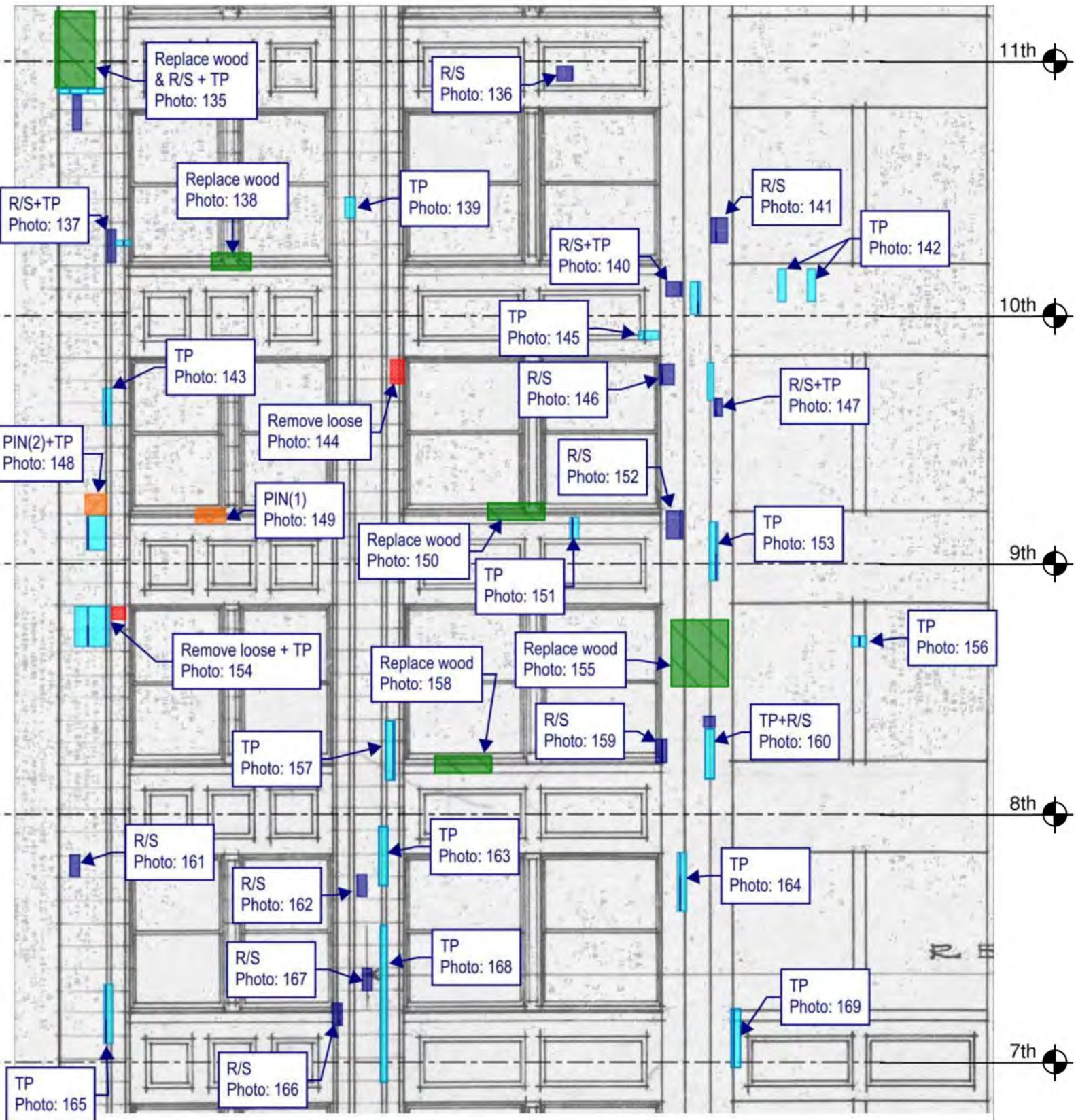
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**220 SOUTH STATE STREET
 CHICAGO, IL**

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

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No.3			
No.4			
No.5			



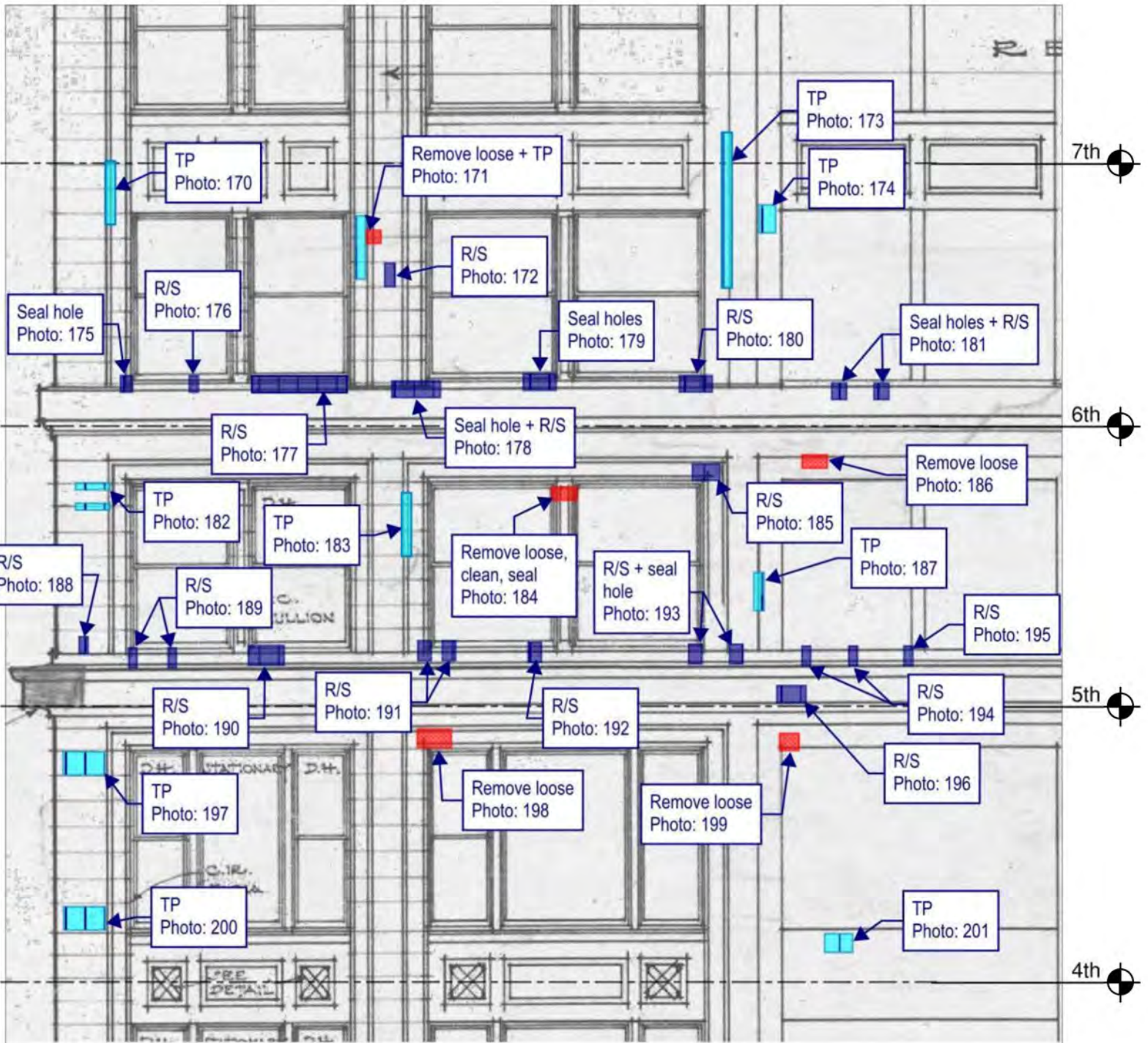
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 CHICAGO, IL**

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

No.1	DROP 6 - SOUTH ELEVATION	10/8/20	DRAWING No. S-4
No.2			
No.3			
No.4			
No.5			

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**220 SOUTH STATE STREET
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 6 - SOUTH ELEVATION	10/8/20	DRAWING No. S-5 <small>© COPYRIGHT THORNTON TOMASETTI 2020</small>
No.2			
No.3			
No.4			
No.5			

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.



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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 ###, 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: 10/8/2020

LEGEND-01



Photo 1: Replace 2x4 studs at mesh

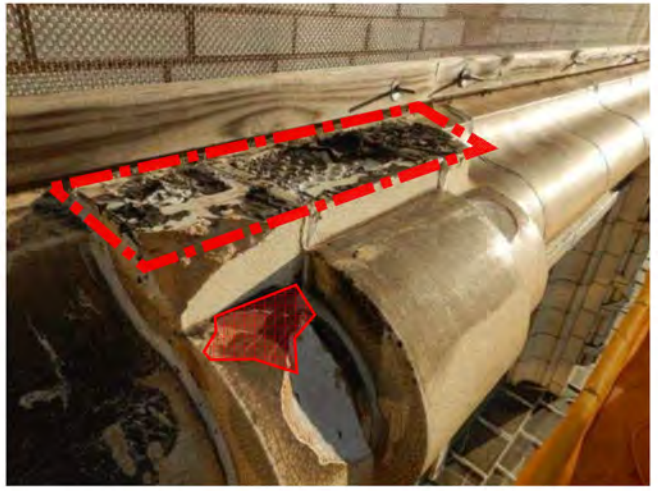


Photo 2: Install new aluminum cap & replace existing sealant joints



Photo 3: Seal exposed terra-cotta spalls

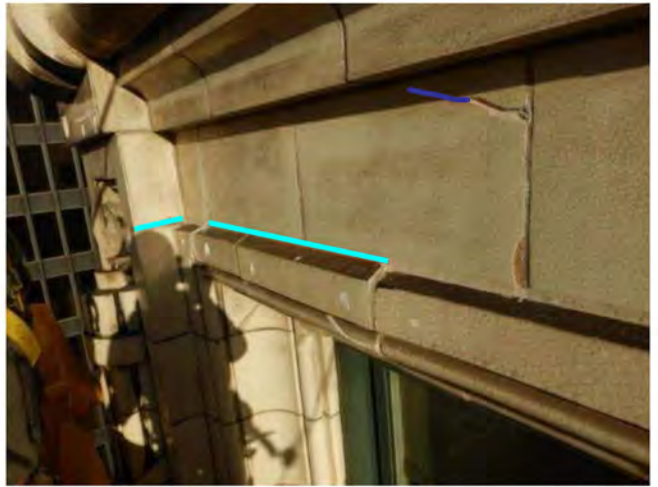


Photo 4: TP & R/S



Photo 5: R/S + STRAP (2)

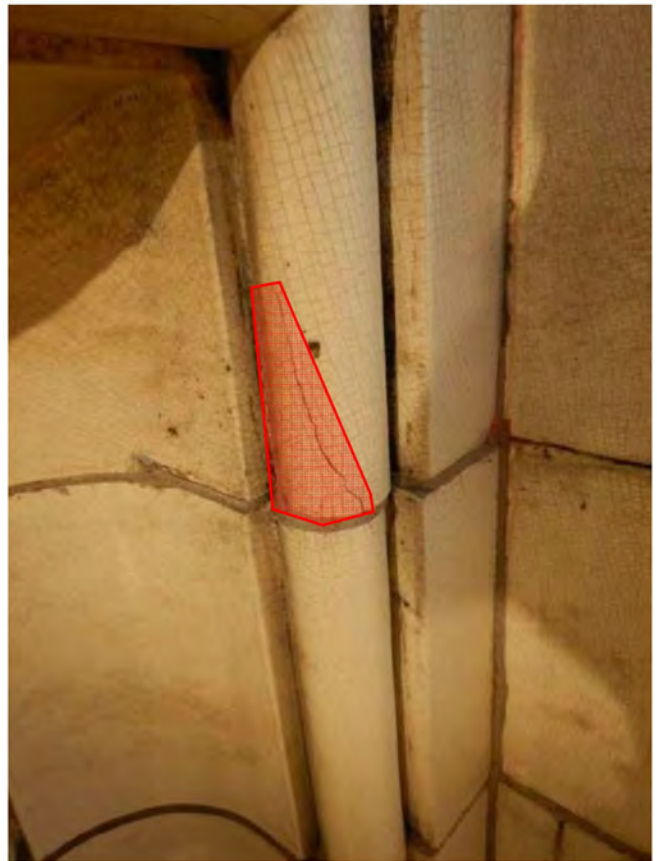


Photo 6: Remove loose

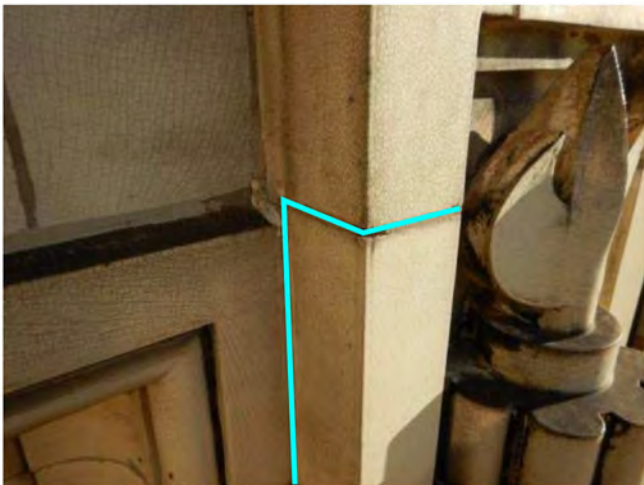


Photo 7: TP



Photo 8: TP

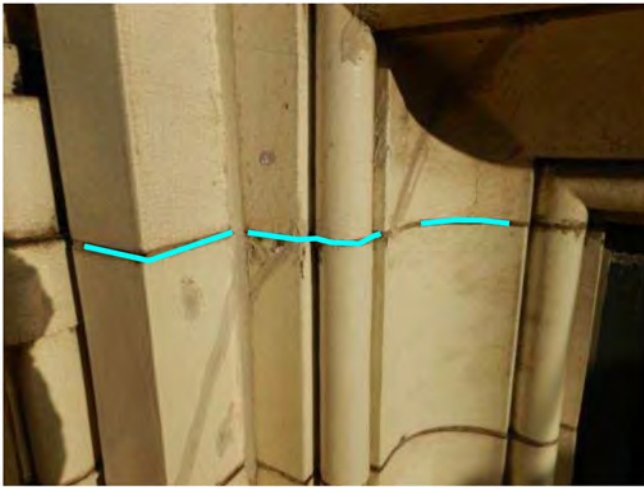


Photo 9: TP

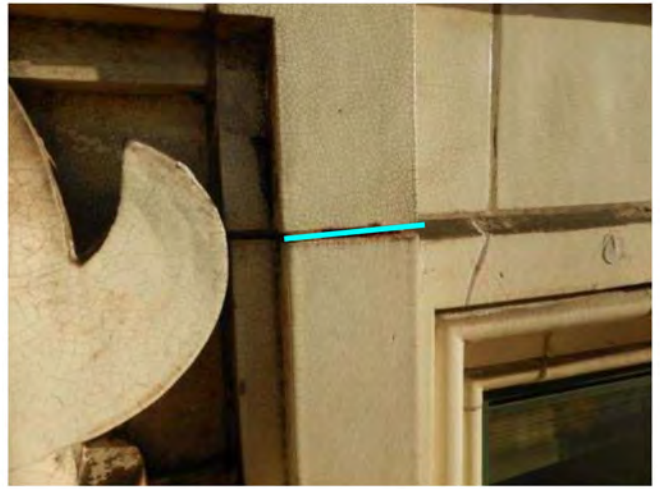


Photo 10: TP

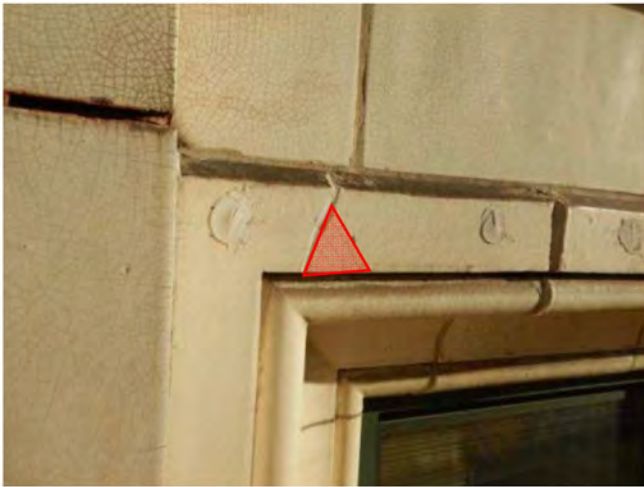


Photo 11: Remove loose

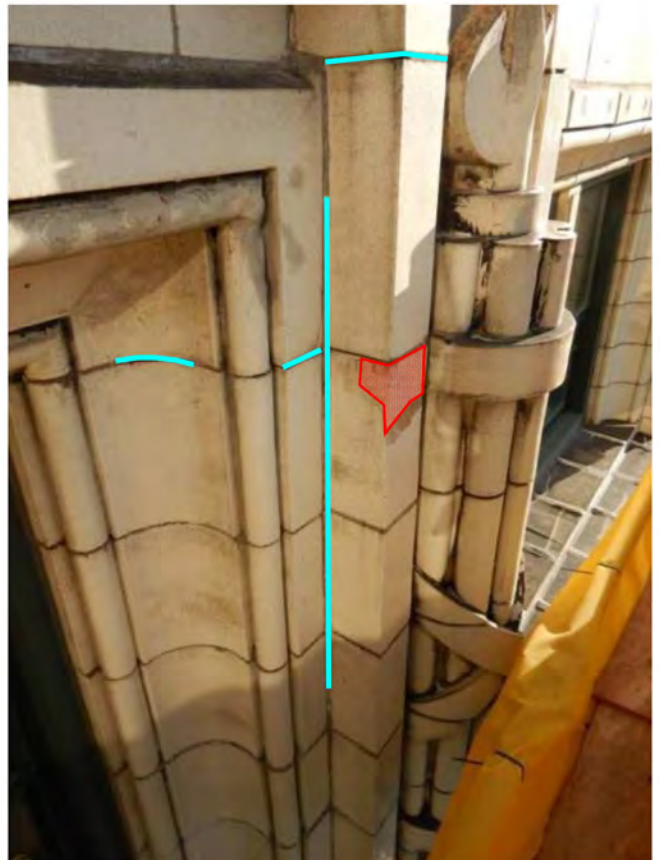


Photo 12: TP & Remove loose



Photo 13: R/S



Photo 14: R/S



Photo 15: Remove & seal



Photo 16: R/S

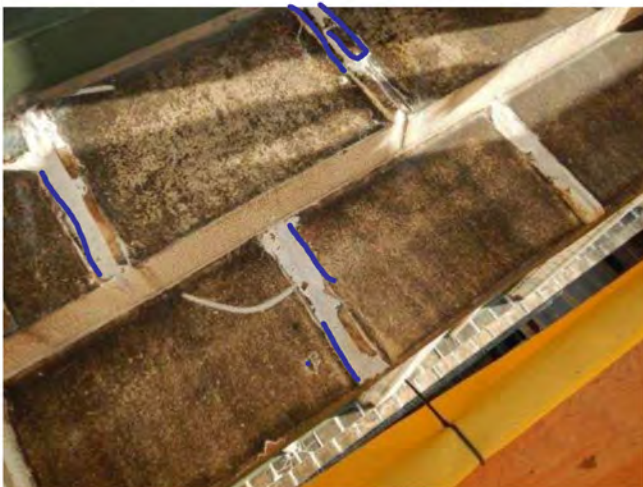


Photo 17: R/S



Photo 18: R/S



Photo 19: R/S



Photo 20: Clean & seal

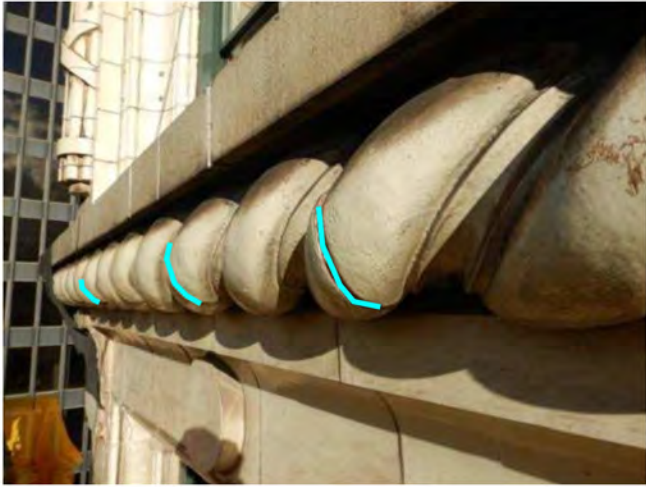


Photo 21: TP



Photo 22: R/S



Photo 23: TP



Photo 24: TP

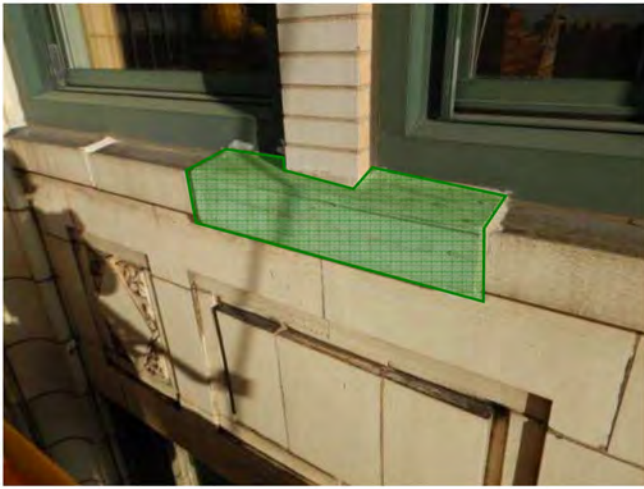


Photo 25: Replace wood



Photo 26: Replace wood



Photo 27: R/S

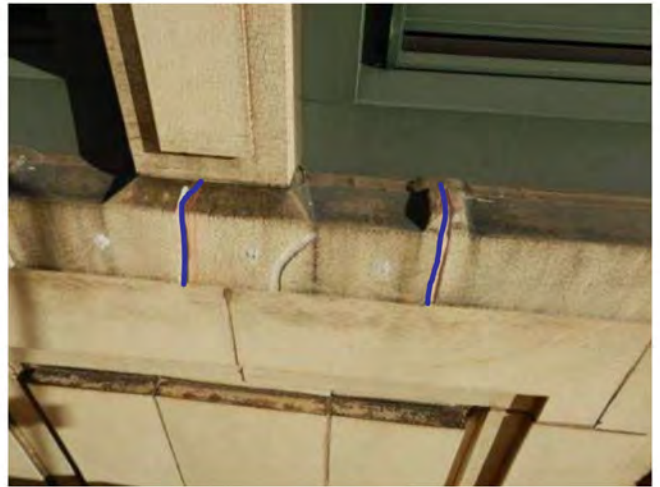


Photo 28: R/S



Photo 29: R/S



Photo 30: PIN(4) & PIN(2) + TP



Photo 31: R/S



Photo 32: TP

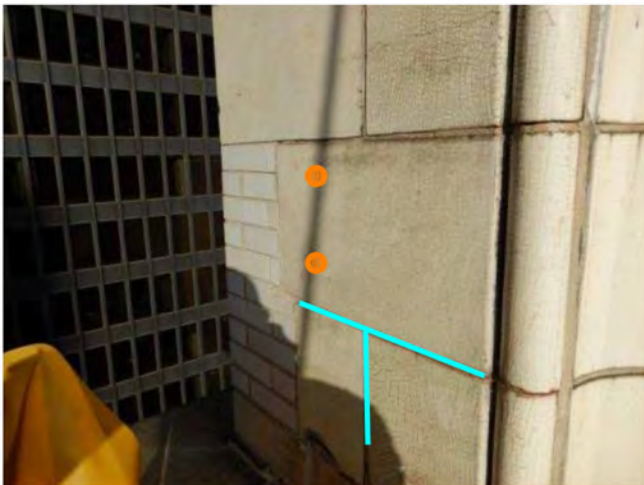


Photo 33: PIN(2) + TP



Photo 34: R/S



Photo 35: R/S



Photo 36: TP + R/S



Photo 37: R/S



Photo 38: R/S

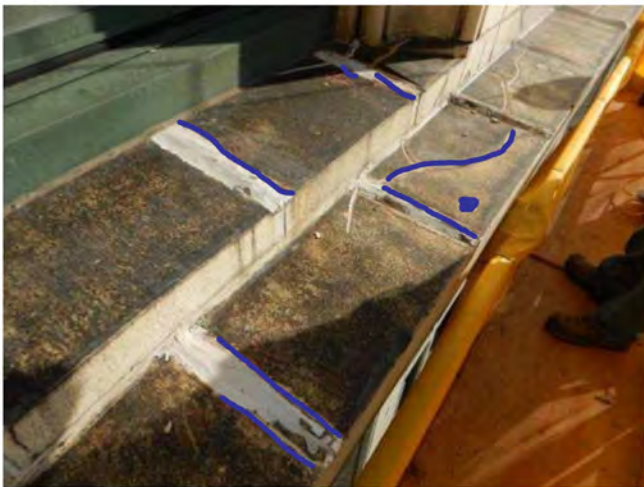


Photo 39: R/S



Photo 40: R/S + TP

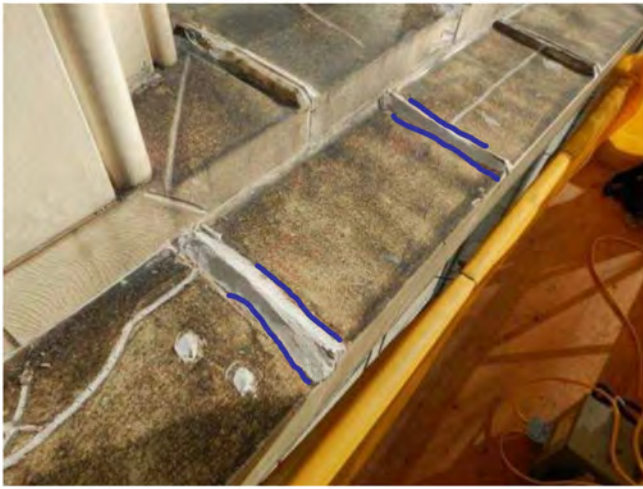


Photo 41: R/S



Photo 42: R/S



Photo 43: Remove loose, install plywood & R/S



Photo 44: PIN(2) & PIN(2)



Photo 45: TP



Photo 46: R/S



Photo 47: Remove loose, clean & seal



Photo 48: TP



Photo 49: Remove loose



Photo 50: Seal hole



Photo 51: Remove loose, install plywood & R/S



Photo 52: R/S



Photo 53: R/S

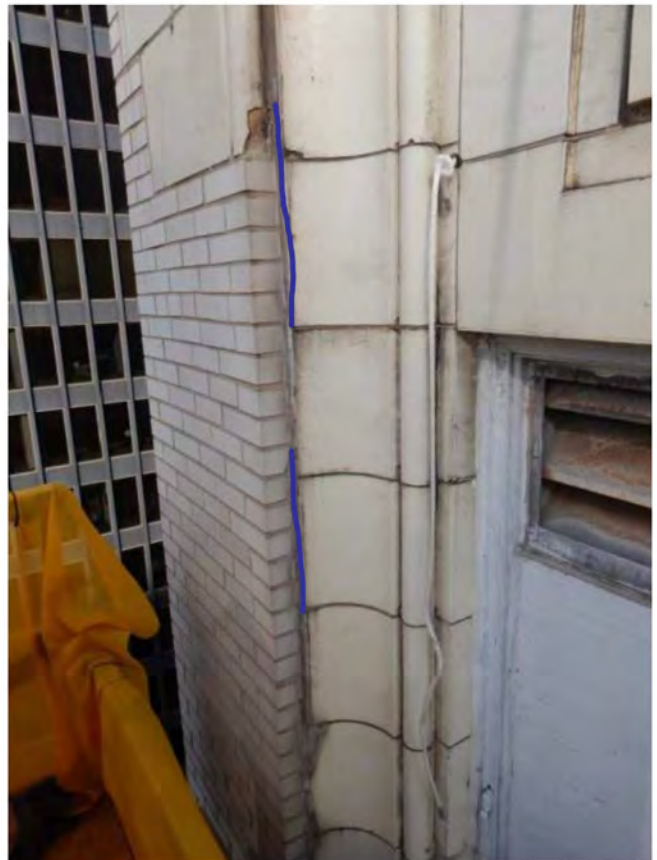


Photo 54: R/S



Photo 55: R/S



Photo 56: R/S



Photo 57: Seal hole



Photo 58: R/S



Photo 59: R/S



Photo 60: PIN(1)

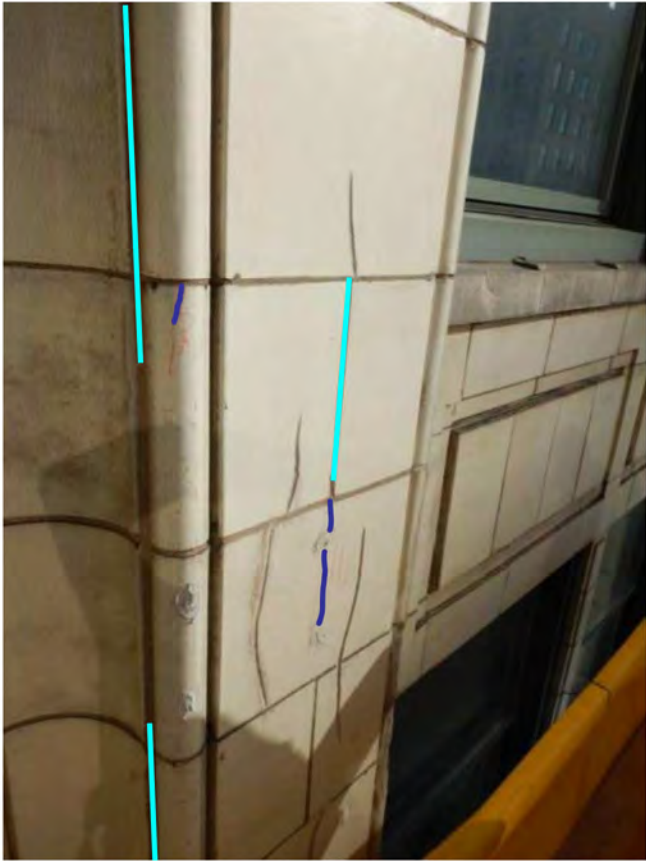


Photo 61: R/S + TP

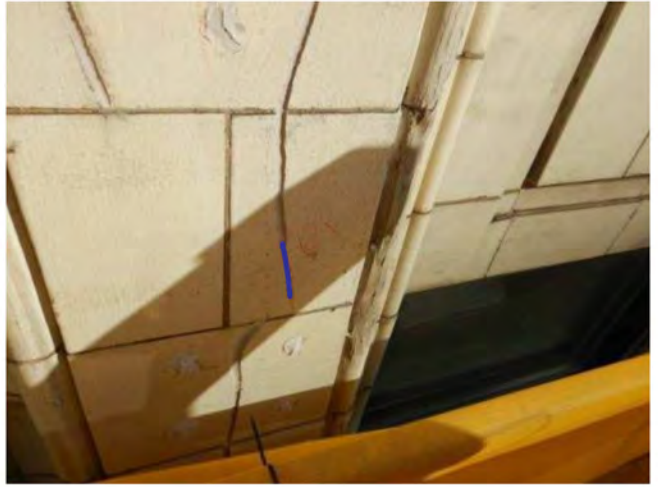


Photo 62: R/S



Photo 63: R/S

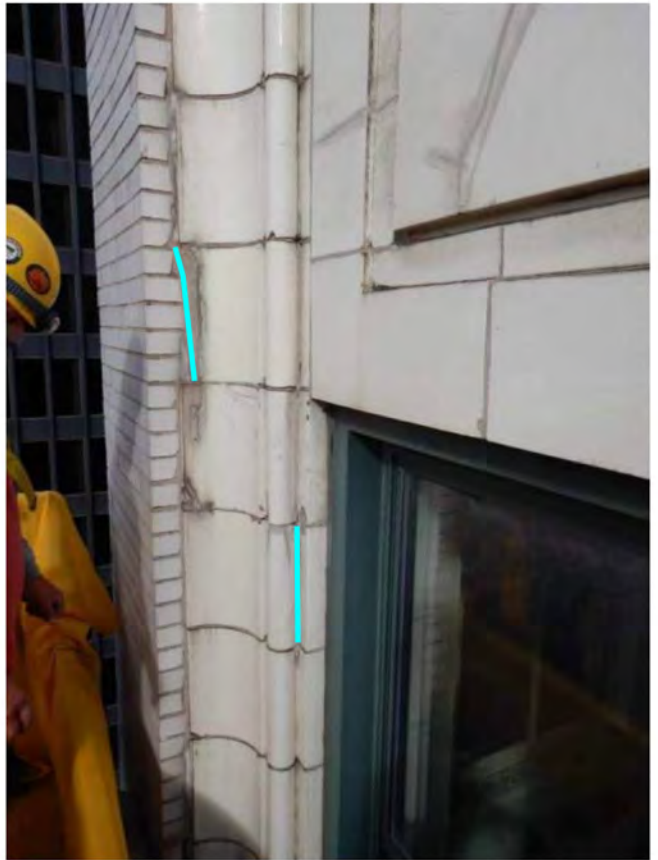


Photo 64: TP



Photo 65: PIN(2) & PIN(2)



Photo 66: TP

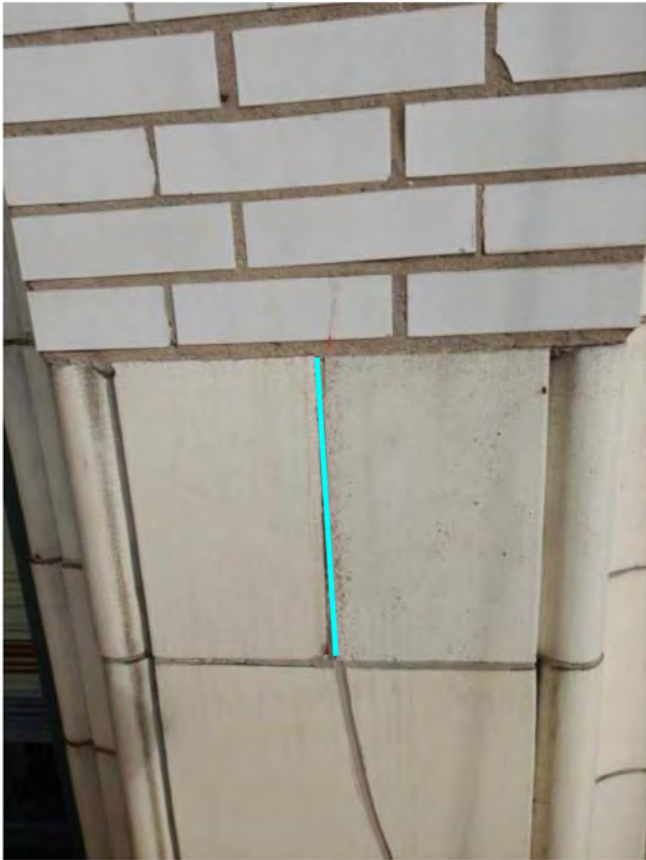


Photo 67: TP



Photo 68: R/S



Photo 69: R/S



Photo 70: R/S + TP



Photo 71: R/S

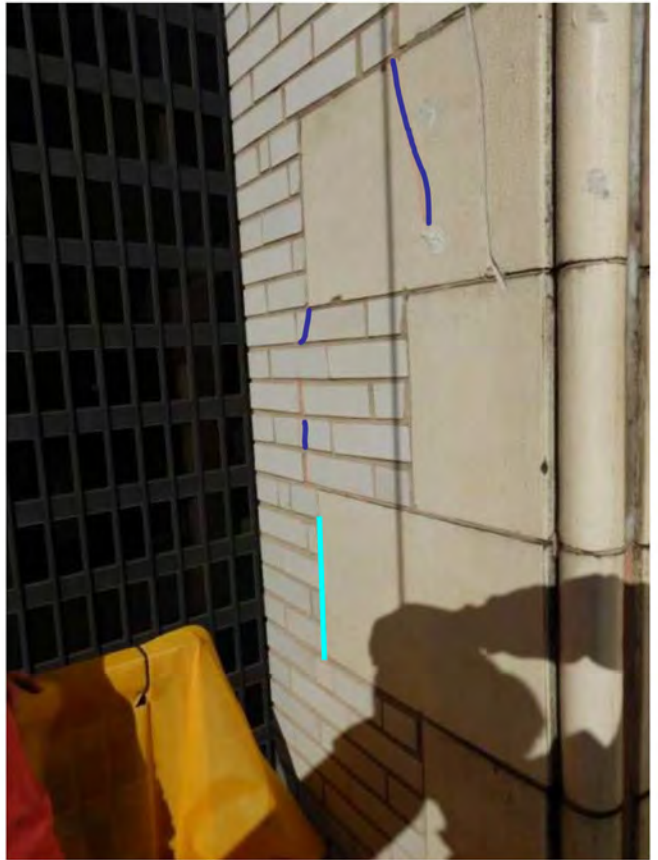


Photo 72: R/S

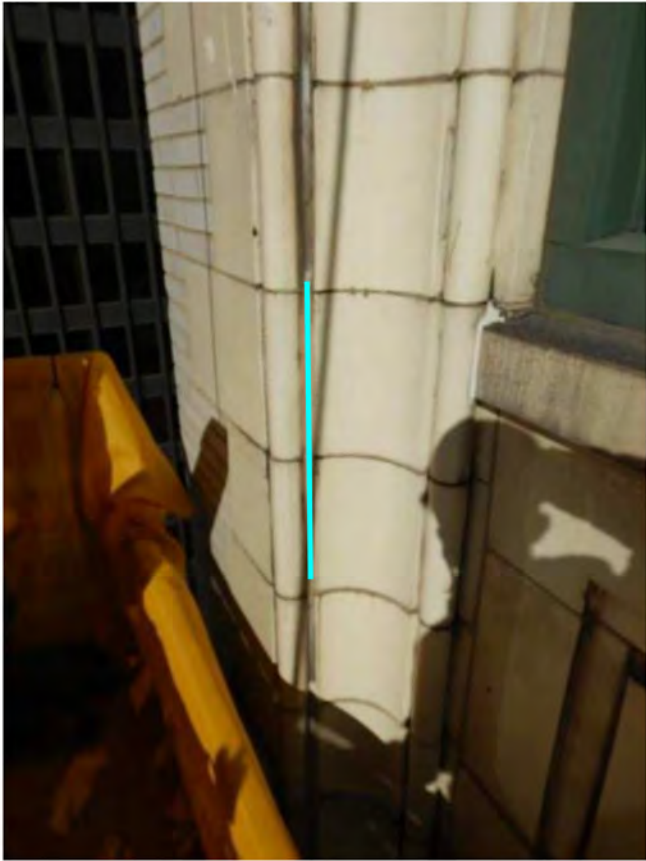


Photo 73: TP

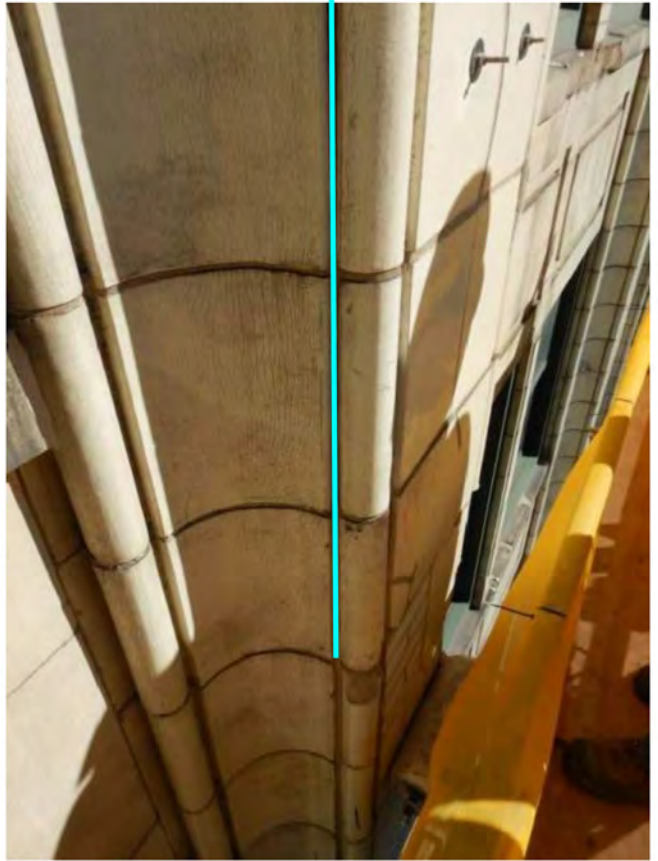


Photo 74: TP

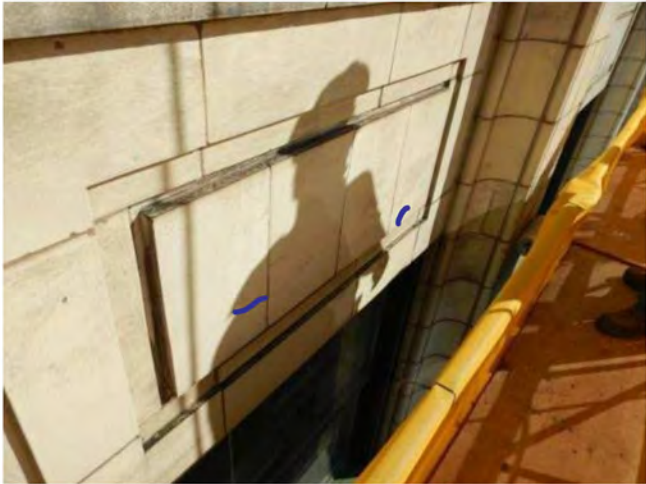


Photo 75: R/S



Photo 76: R/S + TP



Photo 77: R/S



Photo 78: PIN(2) & PIN(2) + TP

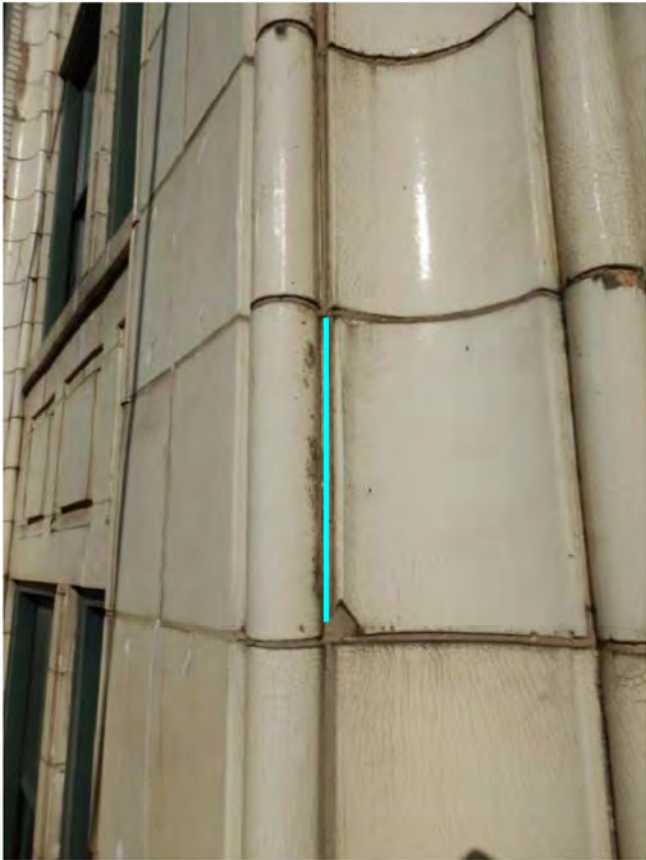


Photo 79: TP



Photo 80: TP



Photo 81: TP



Photo 82: R/S + TP



Photo 83: R/S

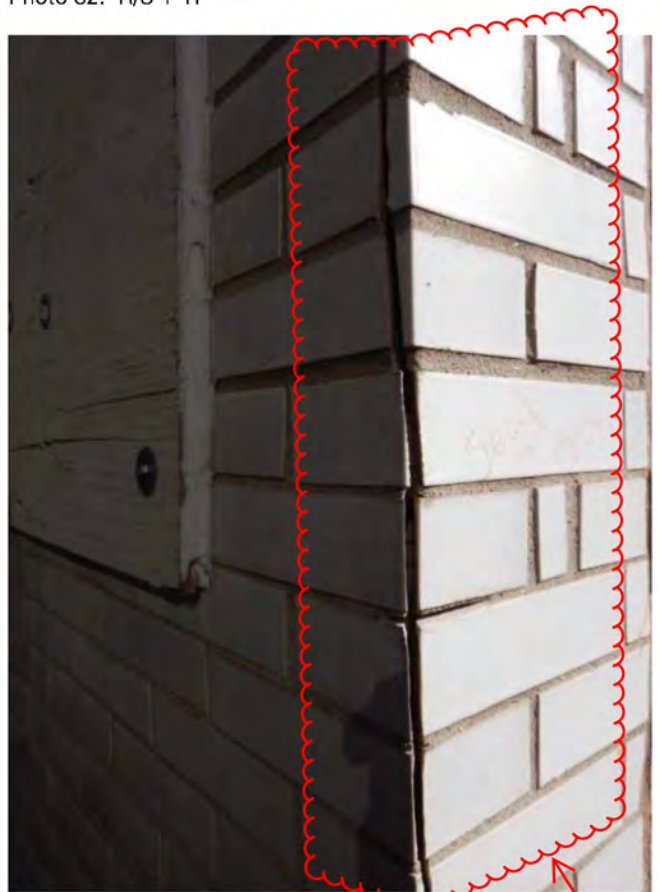


Photo 84: REMOVE CRACKED BRICK FOR TT REVIEW

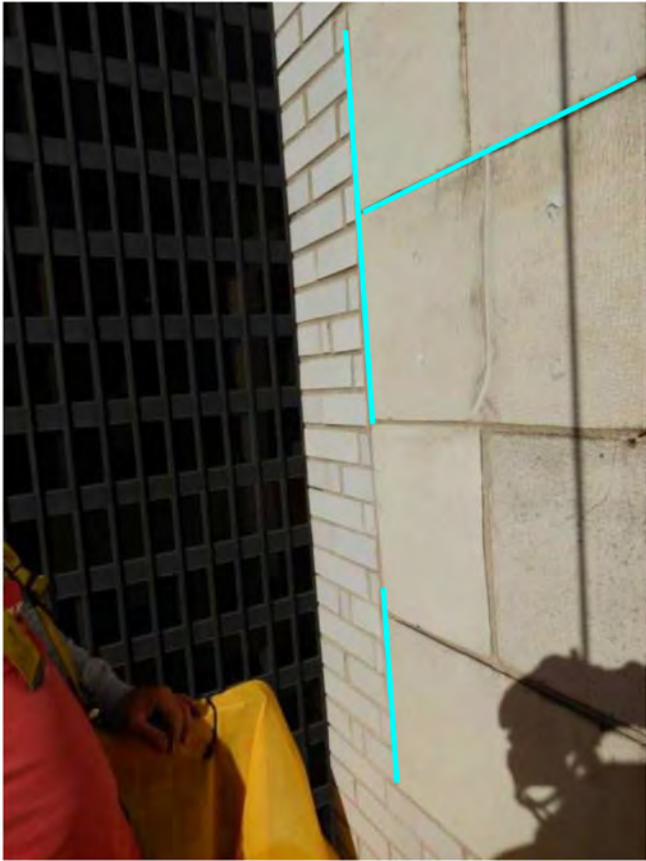


Photo 85: TP

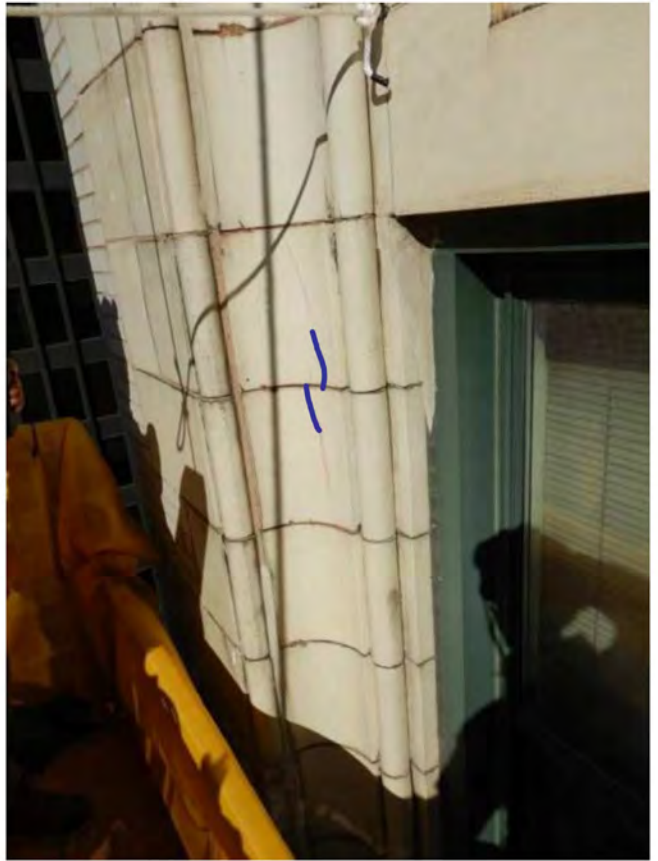


Photo 86: TP + R/S

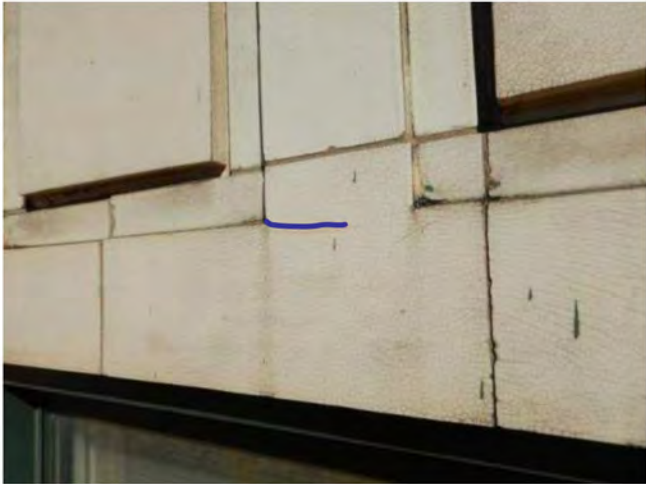


Photo 87: R/S

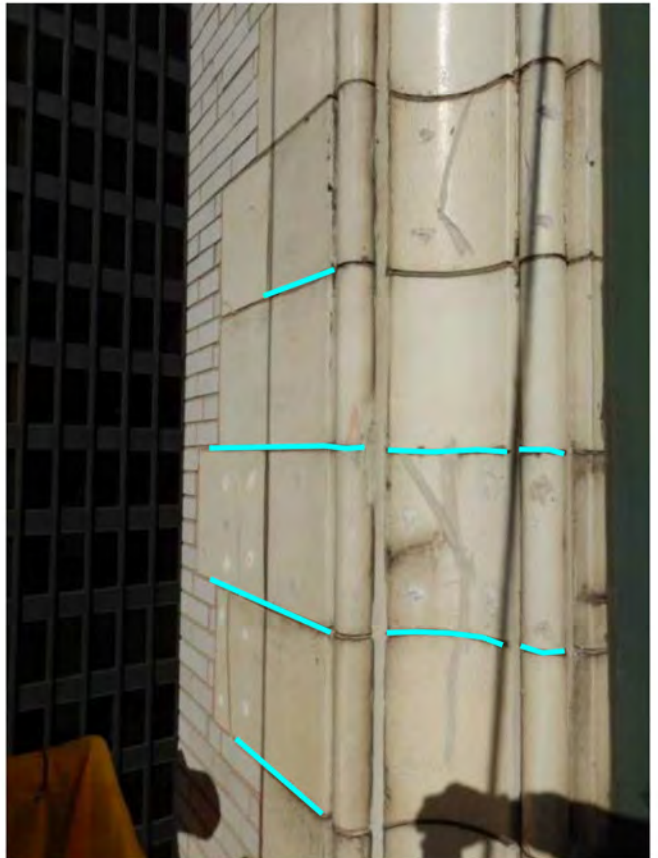


Photo 88: TP



Photo 89: R/S



Photo 90: R/S



Photo 91: R/S



Photo 92: R/S



Photo 93: TP



Photo 94: Remove loose



Photo 95: TP



Photo 96: R/S

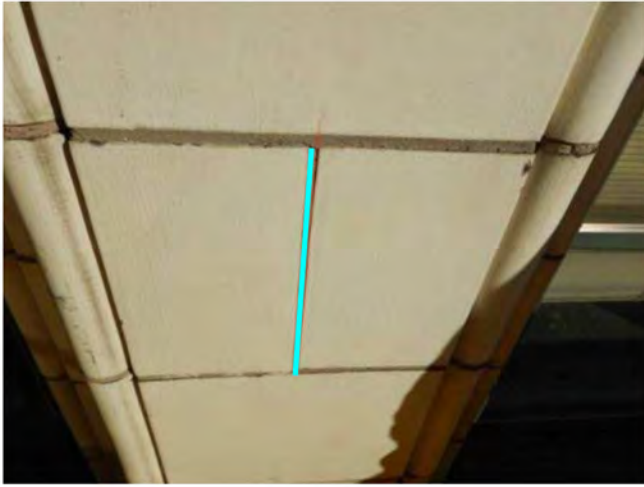


Photo 97: TP



Photo 98: R/S

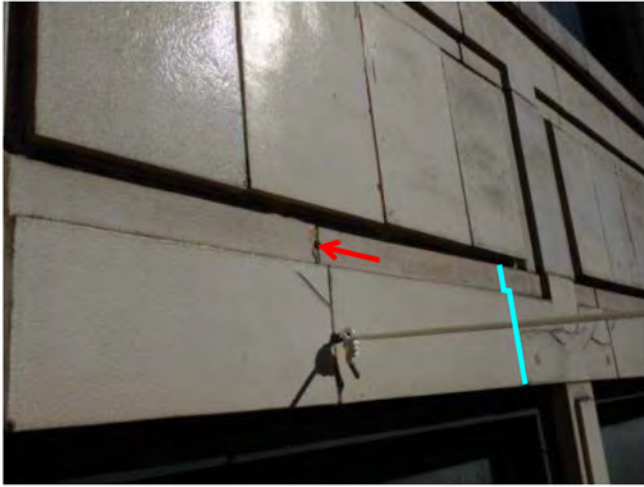


Photo 99: Seal hole + TP

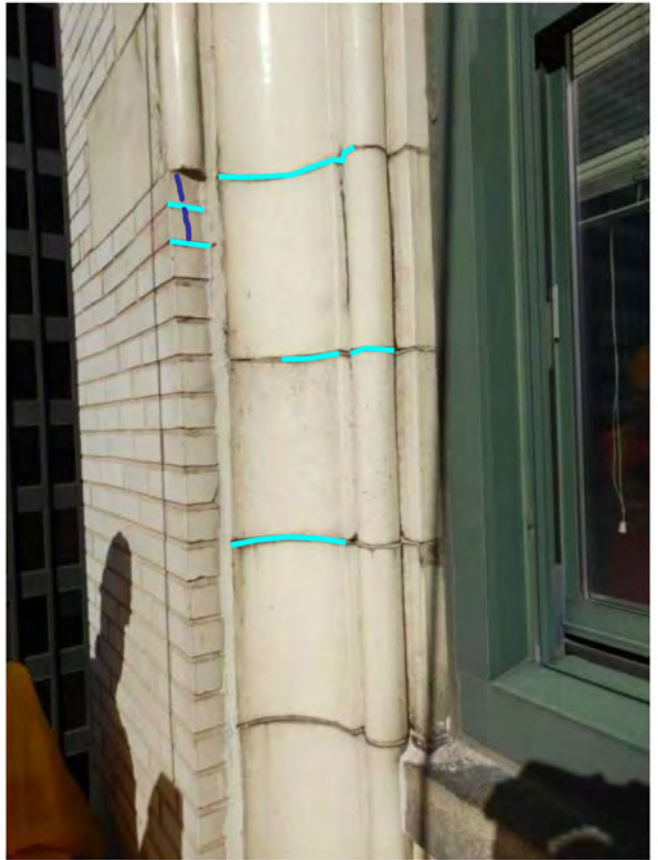


Photo 100: TP

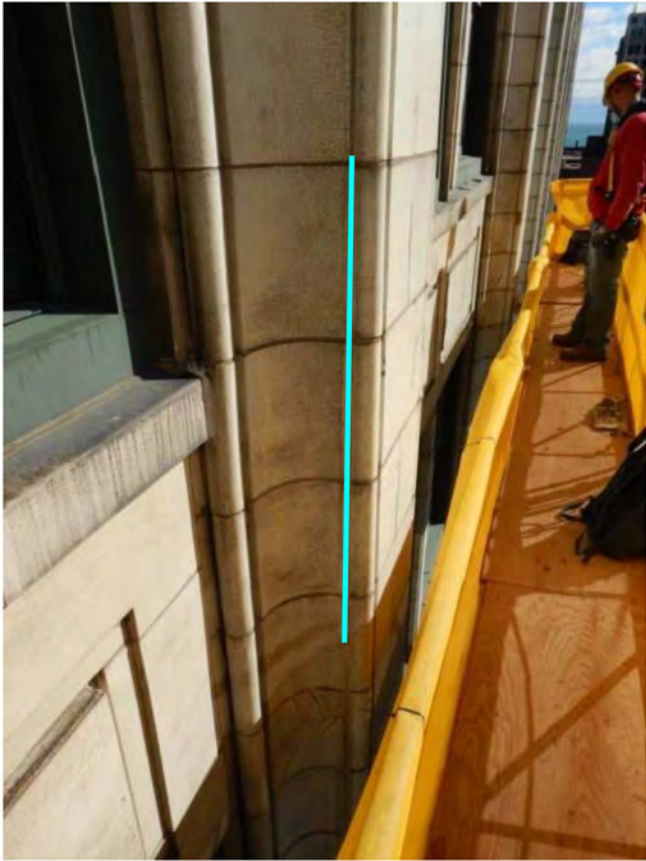


Photo 101: TP

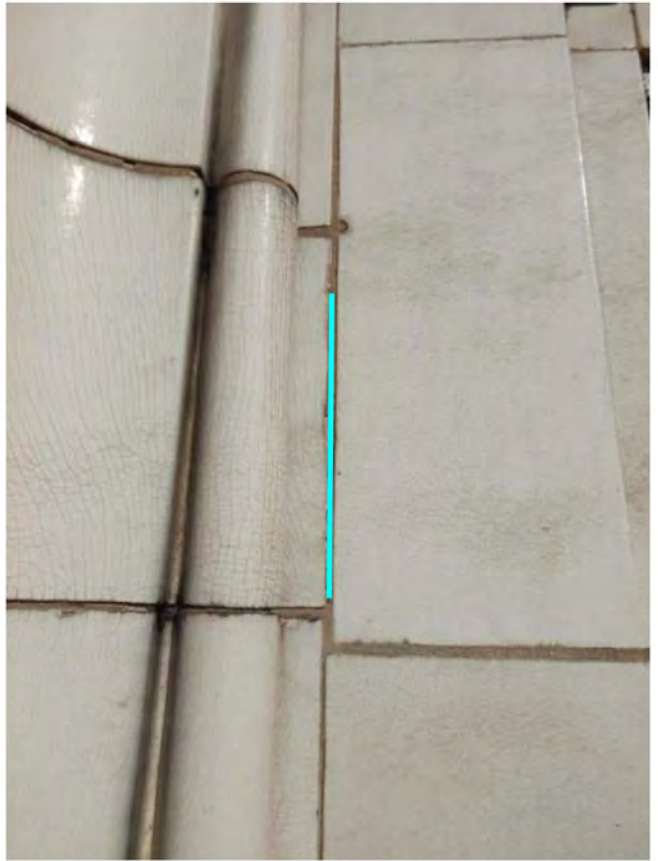


Photo 102: TP

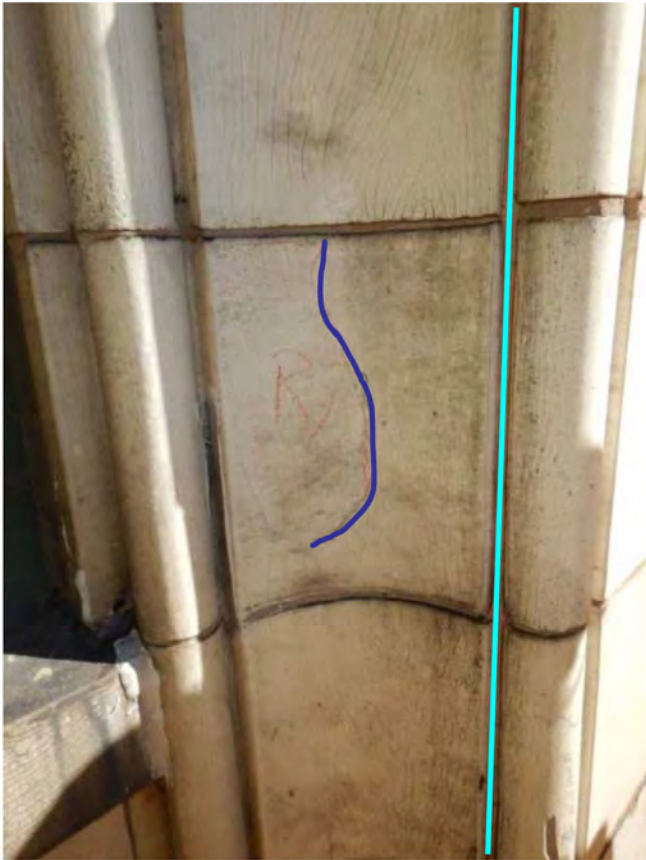


Photo 103: R/S + TP



Photo 104: TP

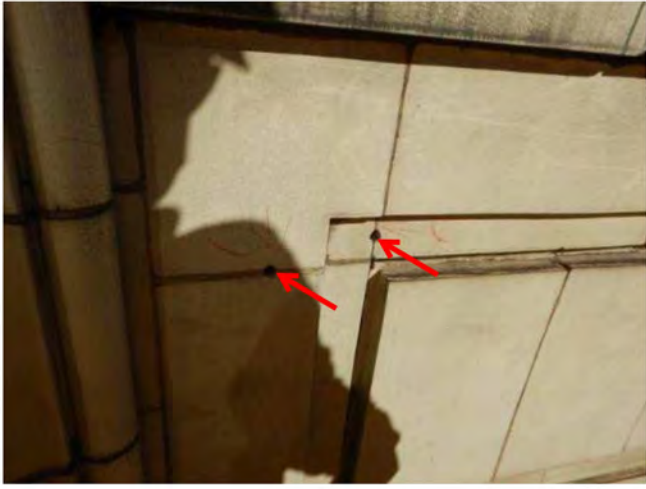


Photo 105: Seal holes



Photo 106: TP

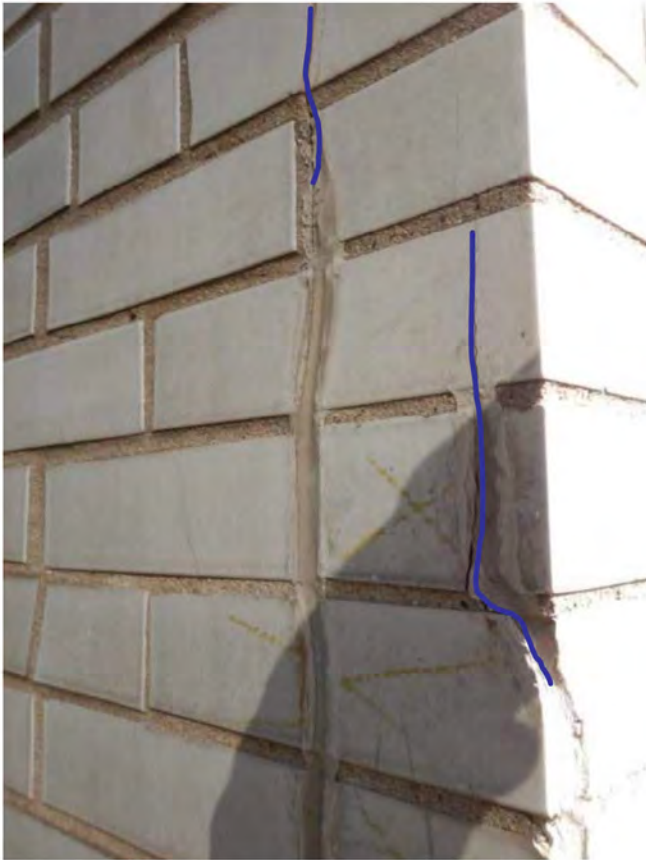


Photo 107: R/S

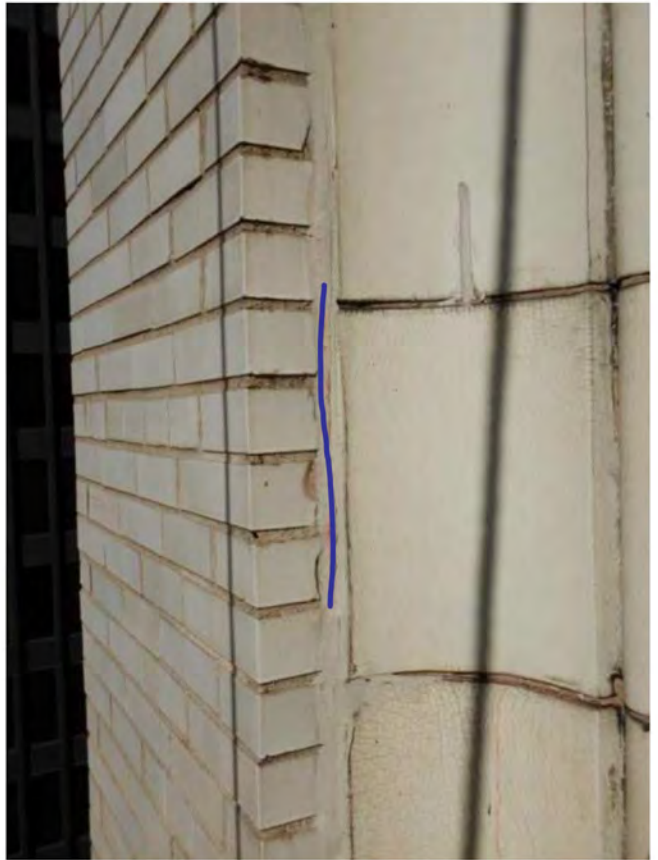


Photo 108: R/S



Photo 109: R/S

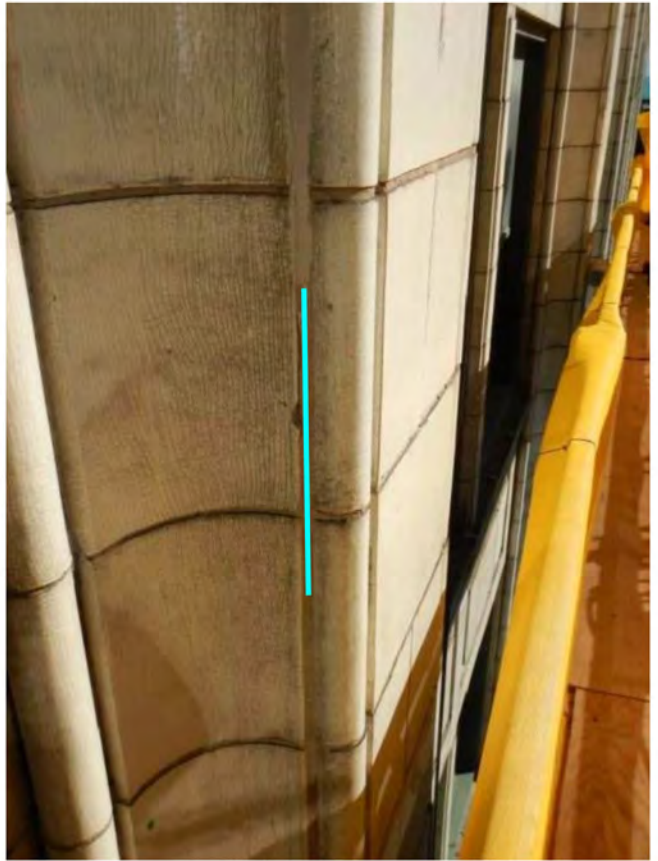


Photo 110: TP

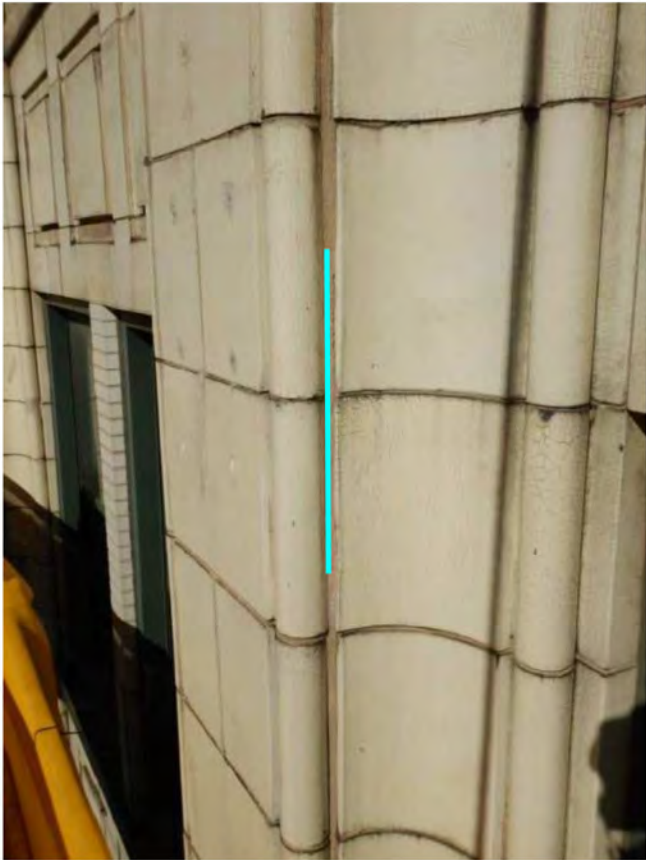


Photo 111: TP



Photo 112: R/S



Photo 113: R/S



Photo 114: R/S + PIN(2)

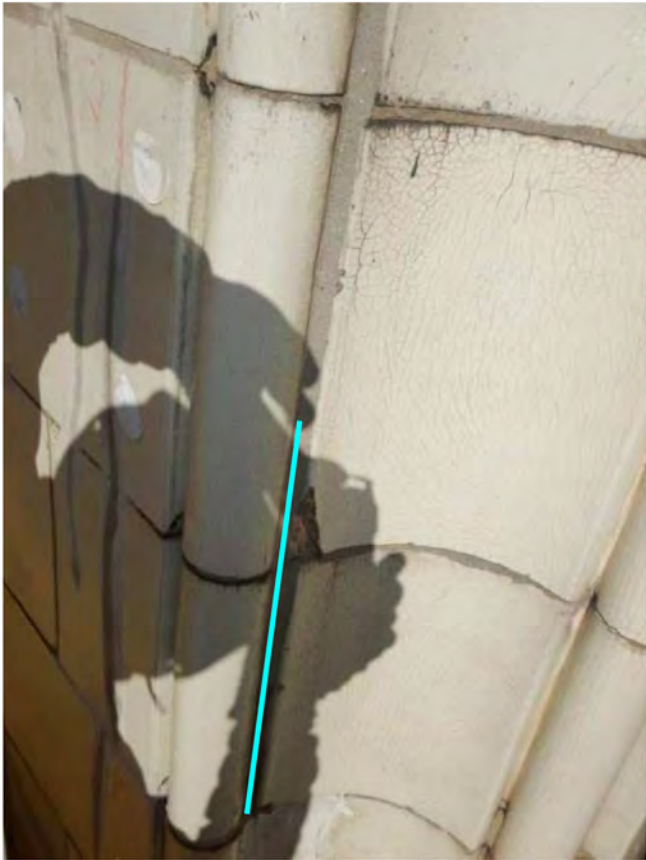


Photo 115: TP



Photo 116: TP

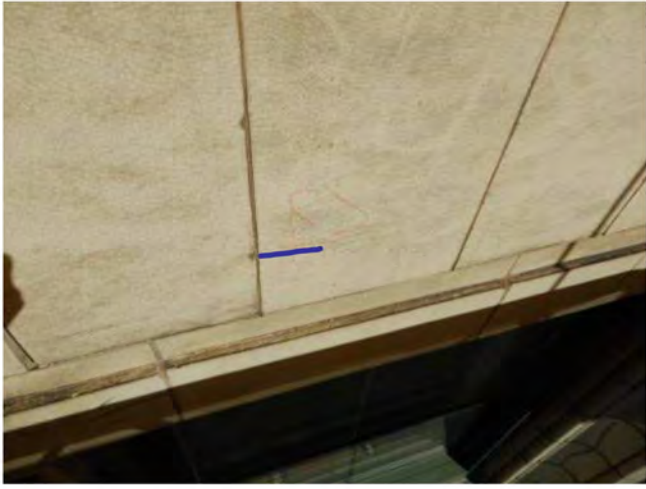


Photo 117: R/S



Photo 118: TP



Photo 119: TP



Photo 120: R/S

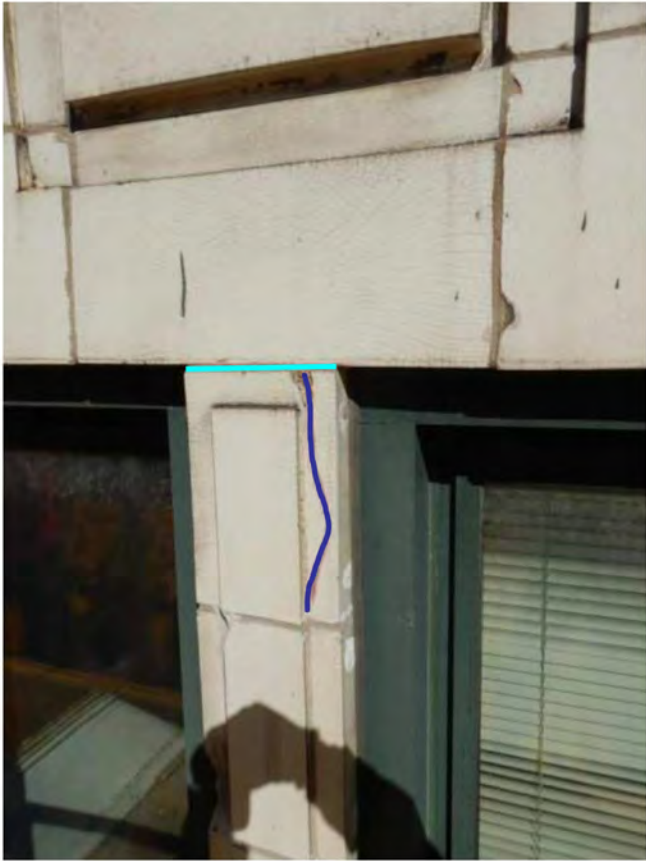


Photo 121: TP + R/S

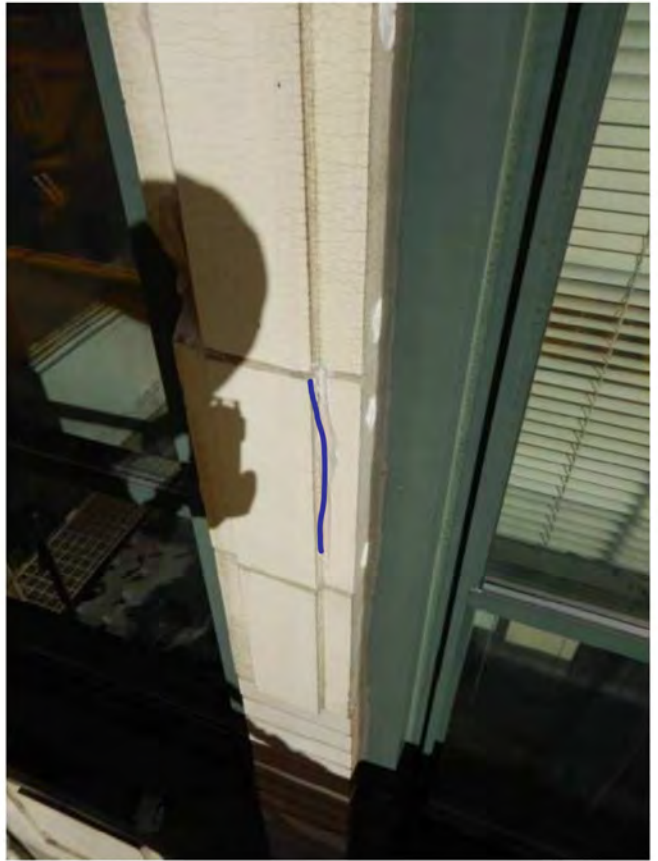


Photo 122: R/S



Photo 123: R/S

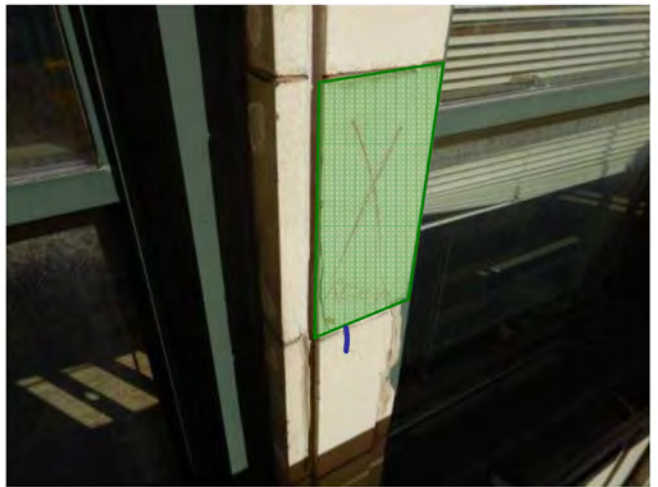


Photo 124: Remove loose, install plywood



Photo 125: R/S



Photo 126: R/S + PIN(2) & PIN(2)

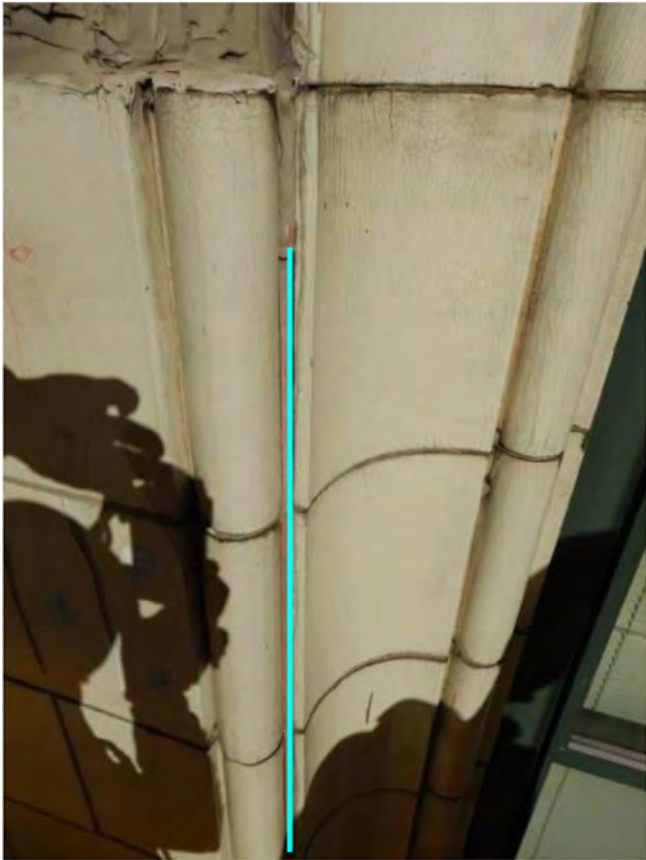


Photo 127: TP



Photo 128: R/S + TP



Photo 129: TP



Photo 130: R/S



Photo 131: R/S

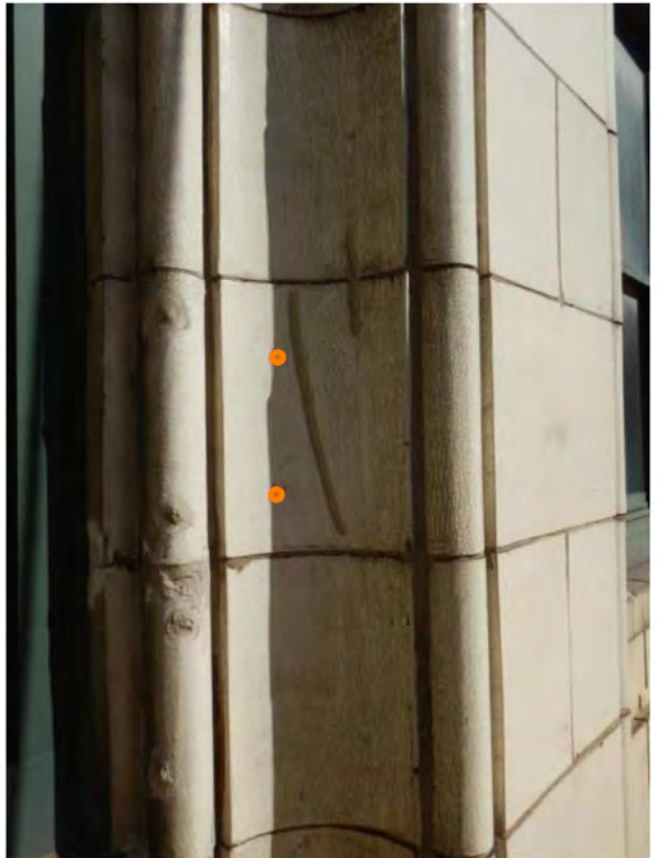


Photo 132: PIN(2)

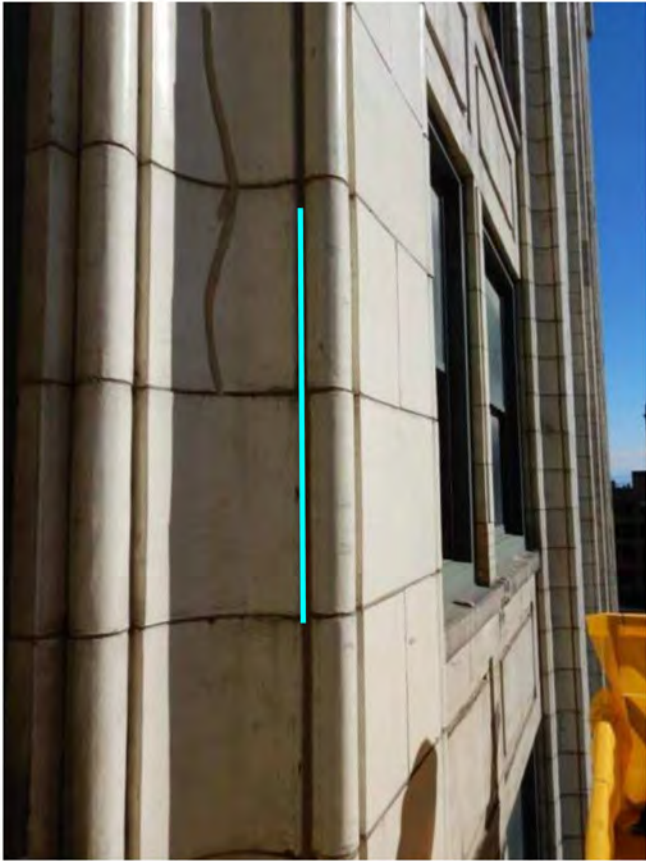


Photo 133: TP



Photo 134: R/S

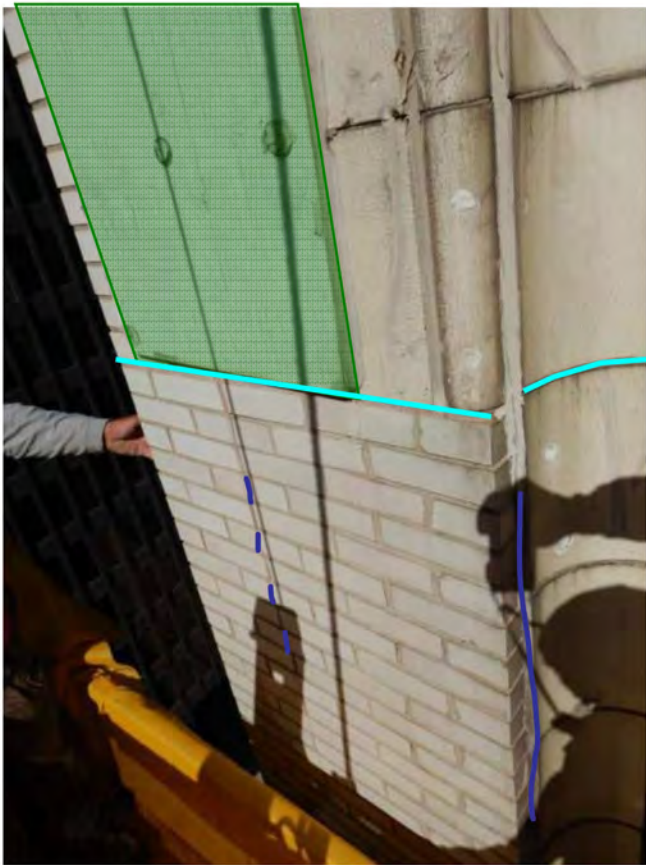


Photo 135: Replace wood & R/S + TP



Photo 136: R/S



Photo 137: R/S + TP

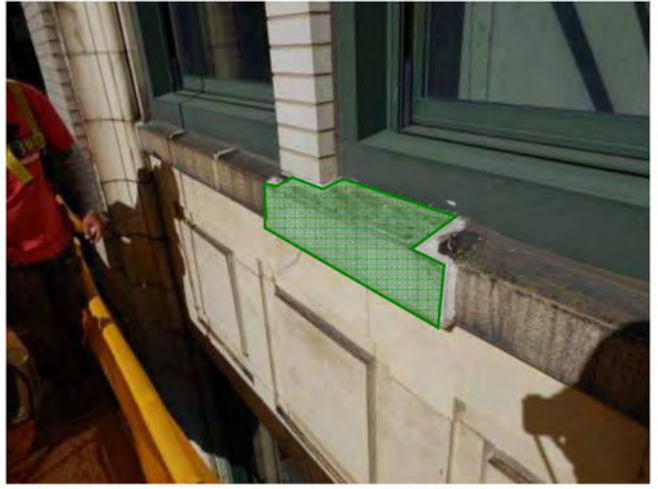


Photo 138: Replace wood

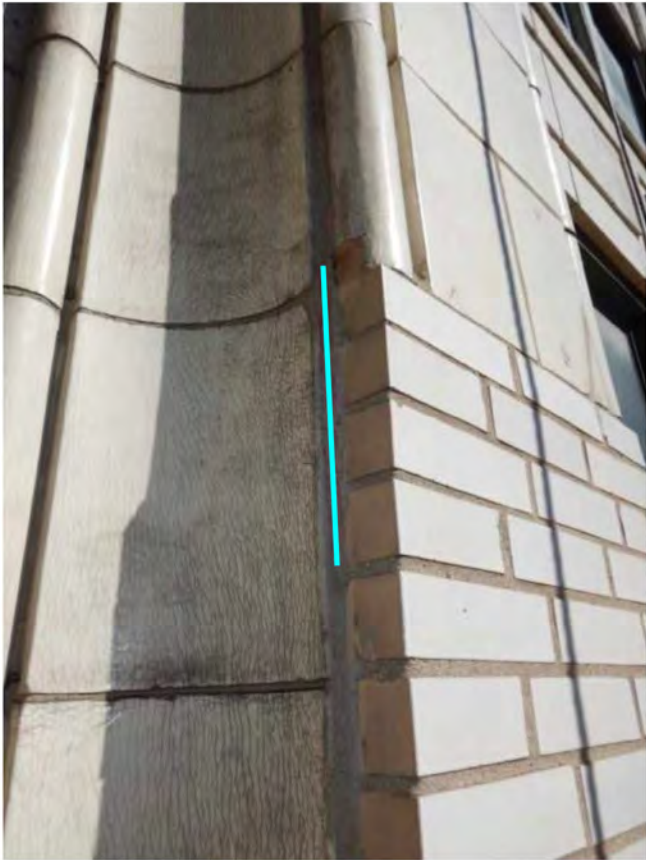


Photo 139: TP



Photo 140: R/S + TP



Photo 141: R/S



Photo 142: TP

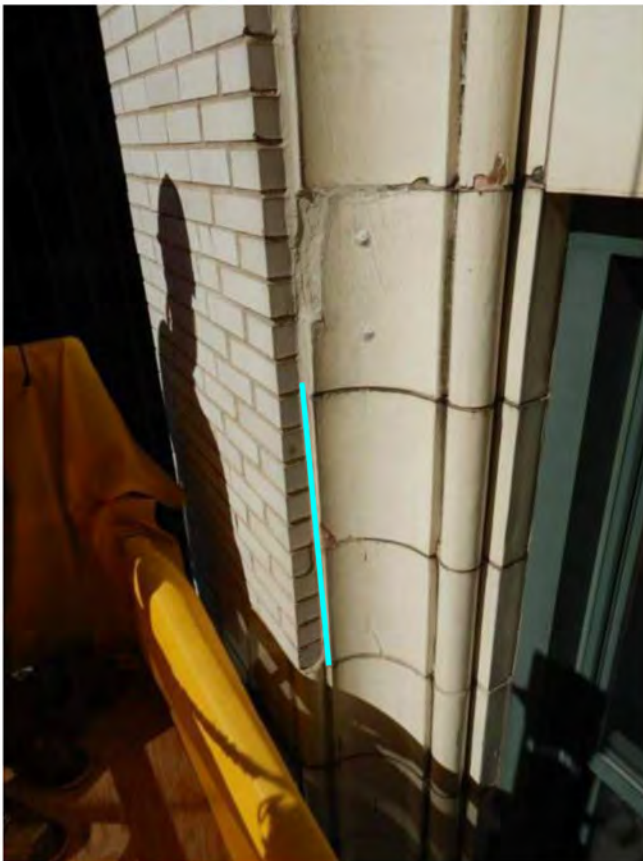


Photo 143: TP

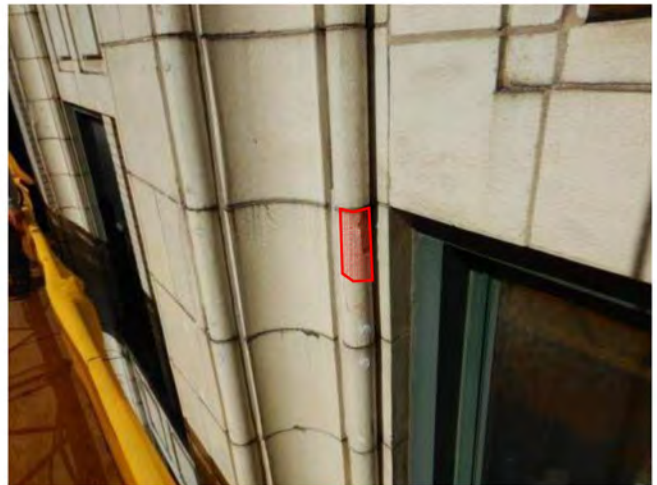


Photo 144: Remove loose

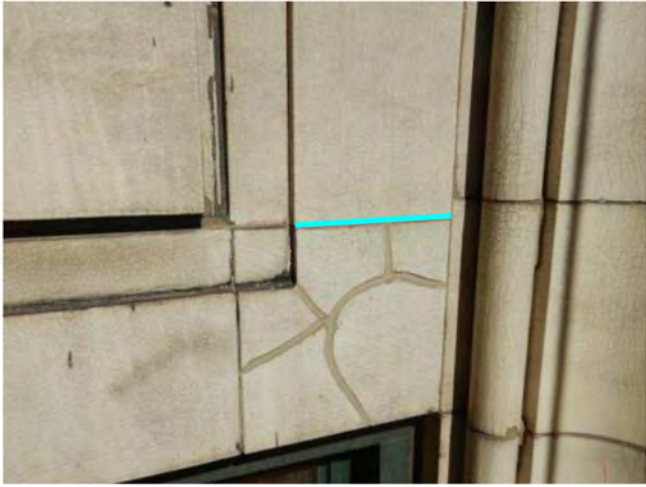


Photo 145: TP



Photo 146: R/S

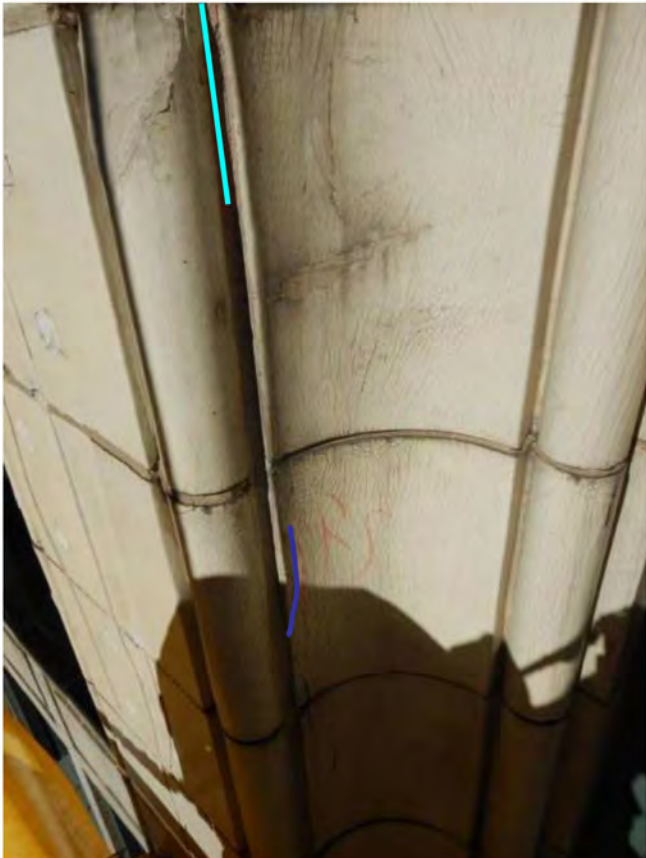


Photo 147: R/S + TP

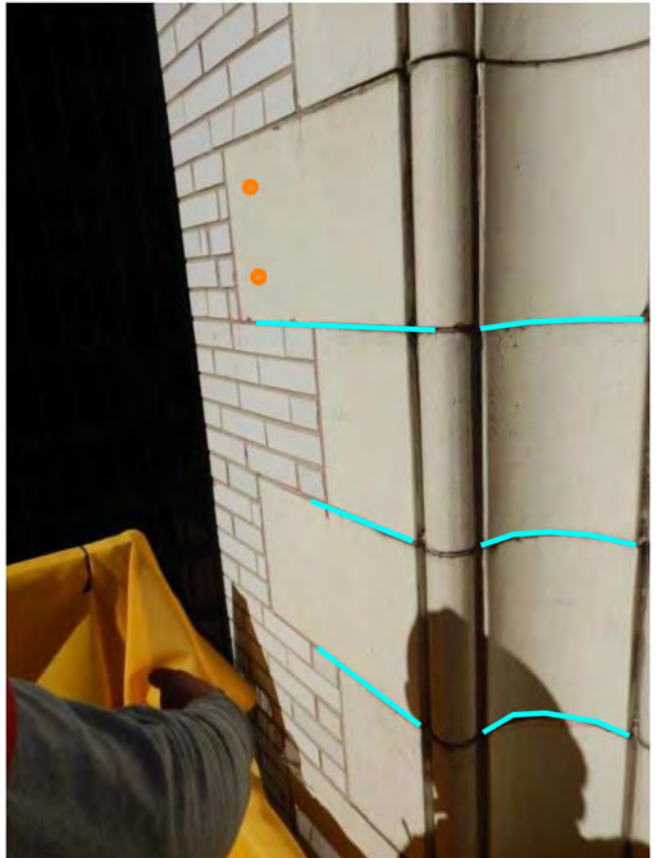


Photo 148: TP + PIN(2)



Photo 149: PIN(1)

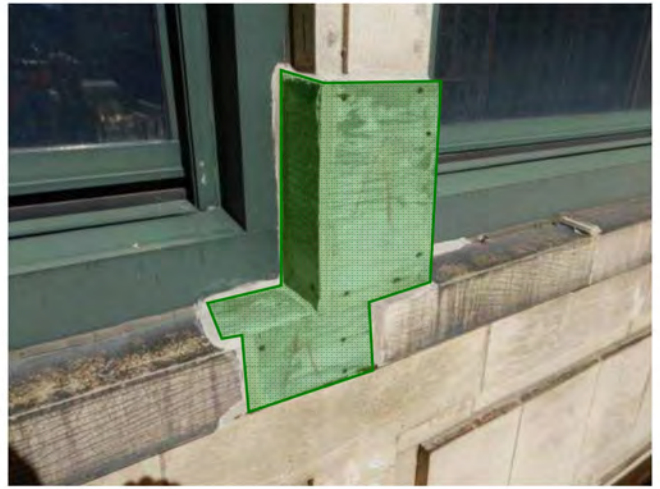


Photo 150: Replace wood



Photo 151: TP

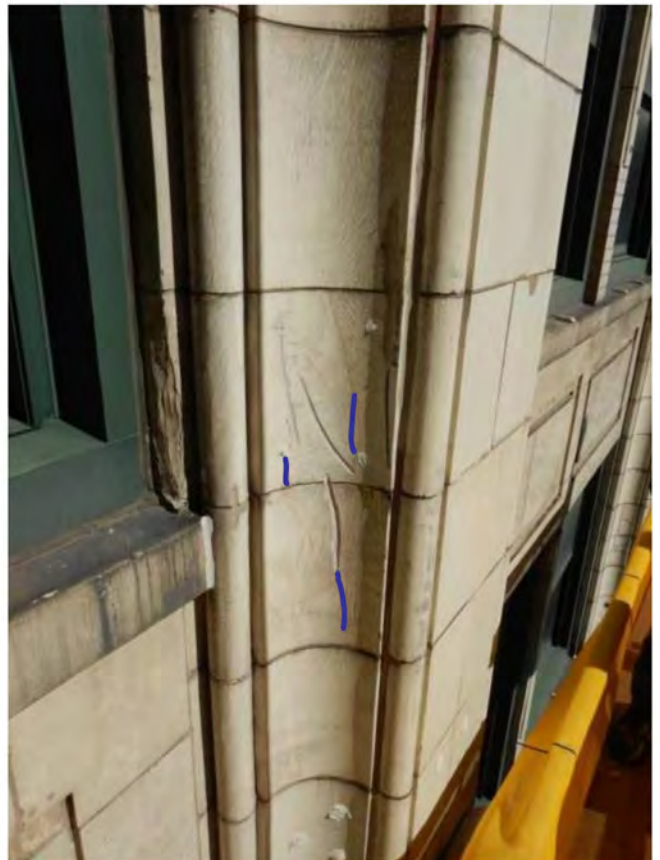


Photo 152: R/S

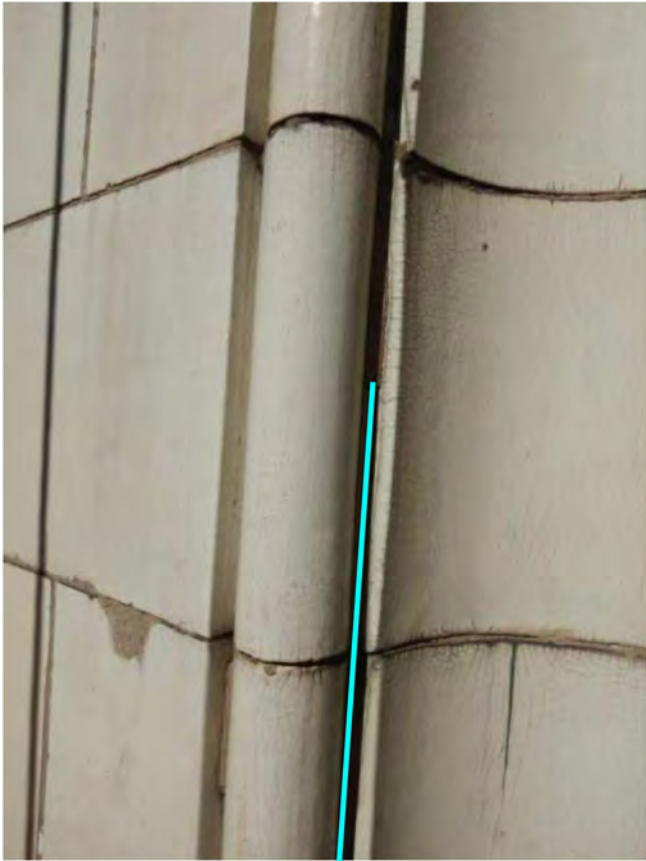


Photo 153: TP

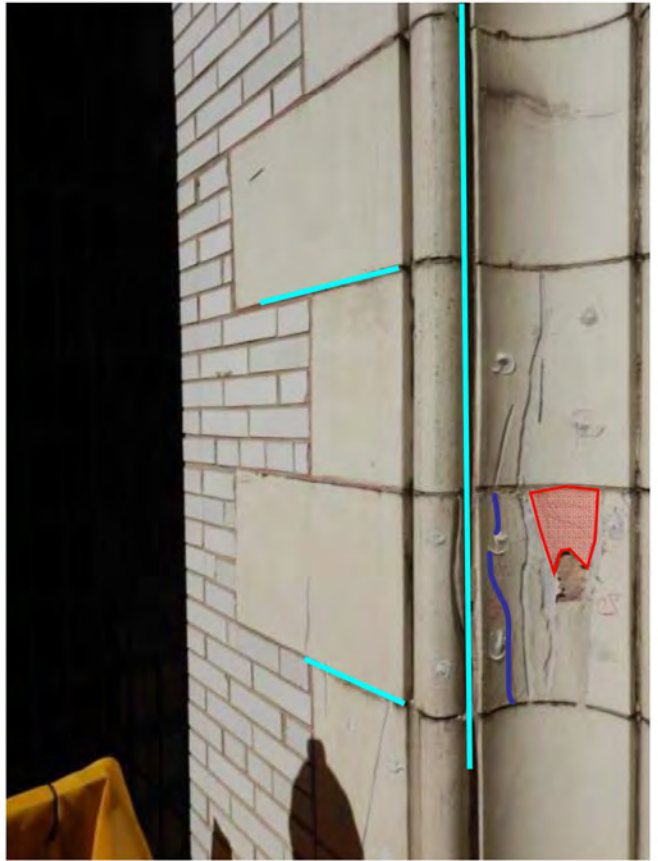


Photo 154: Remove loose + TP



Photo 155: Replace wood



Photo 156: TP

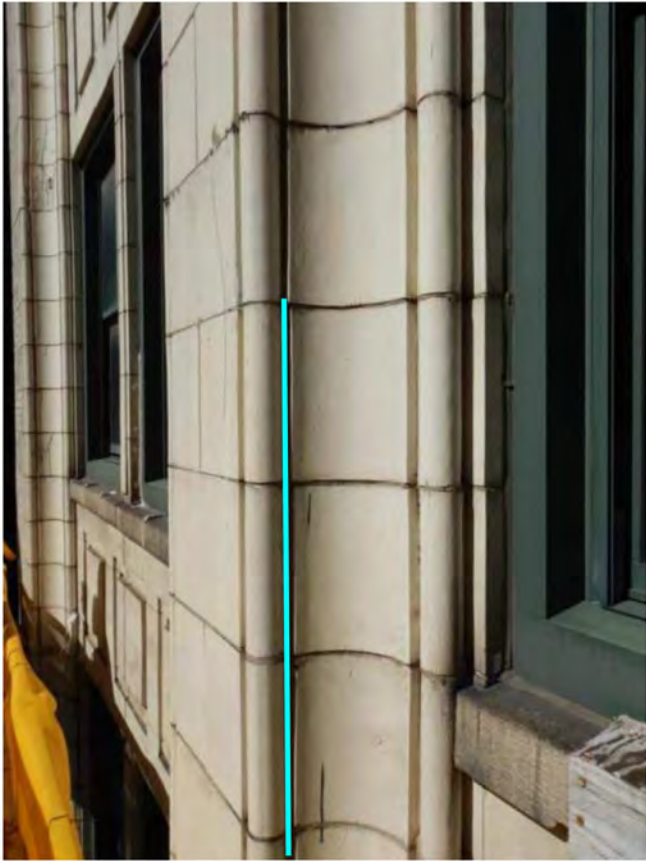


Photo 157: TP

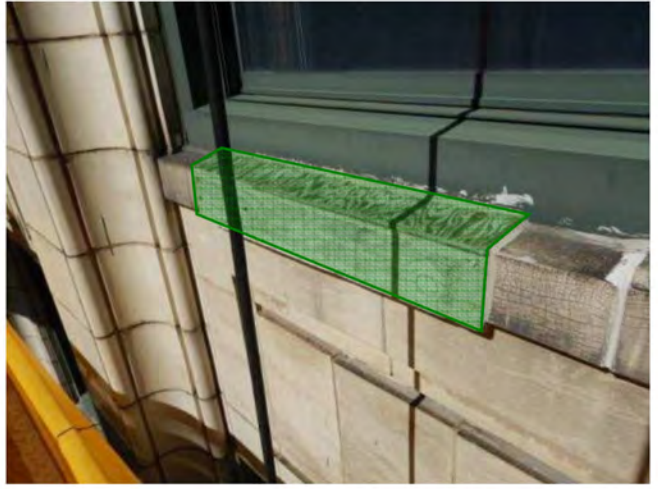


Photo 158: Replace wood



Photo 159: R/S

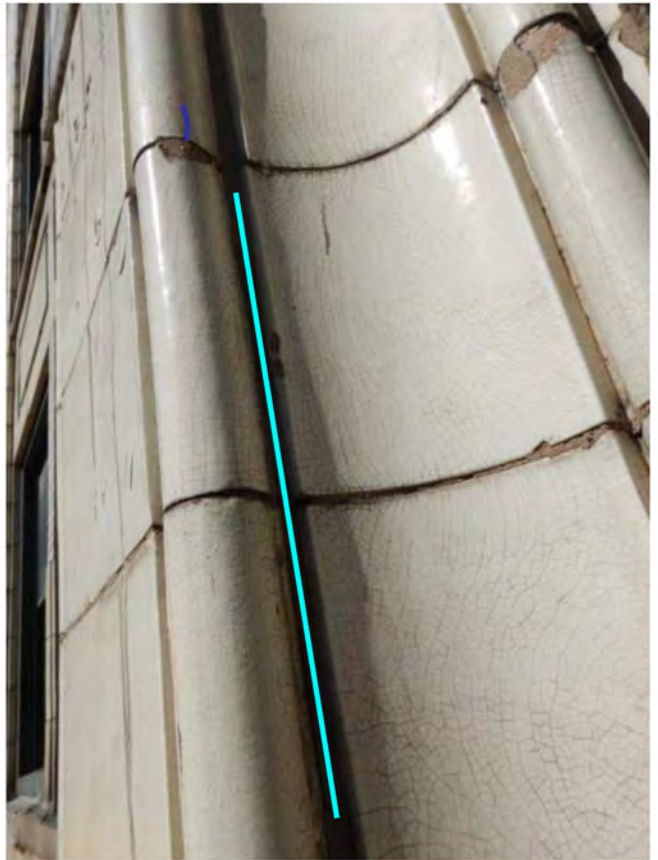


Photo 160: TP + R/S



Photo 161: R/S



Photo 162: R/S



Photo 163: TP

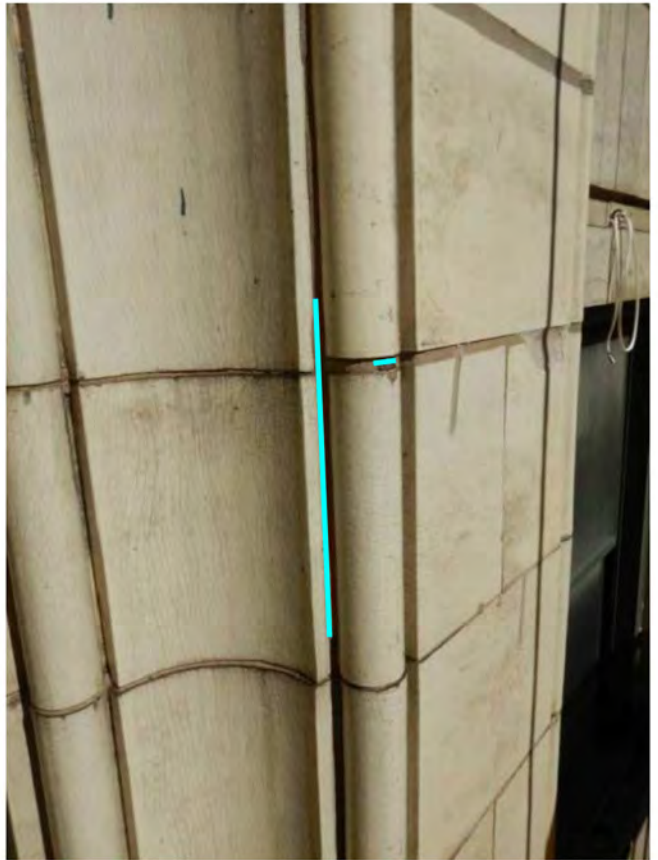


Photo 164: TP



Photo 165: TP



Photo 166: R/S



Photo 167: R/S

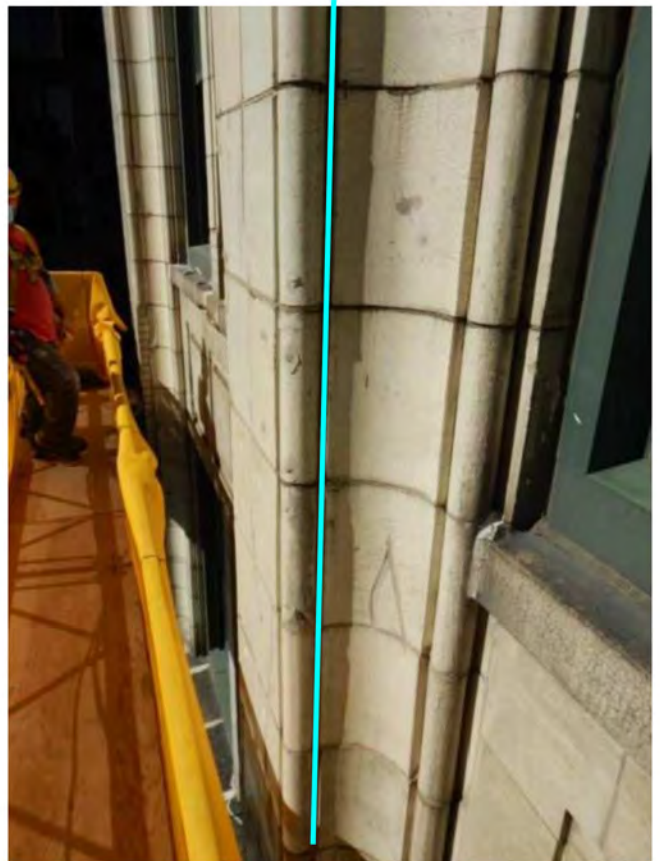


Photo 168: TP

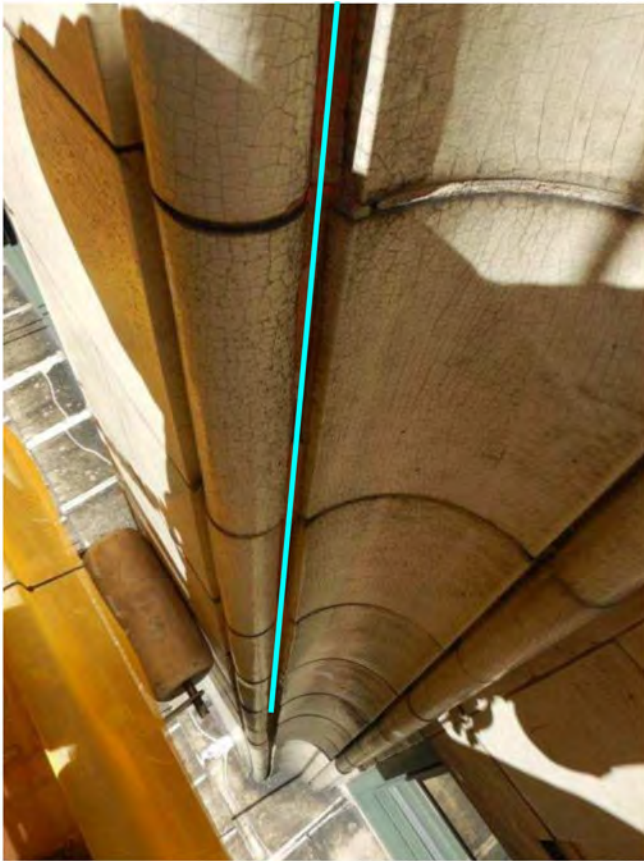


Photo 169: TP

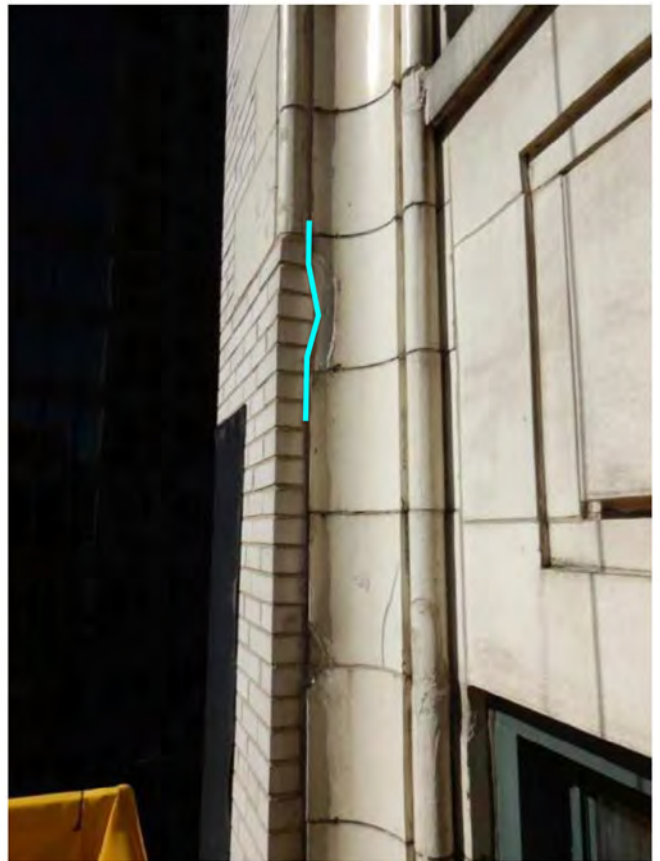


Photo 170: TP

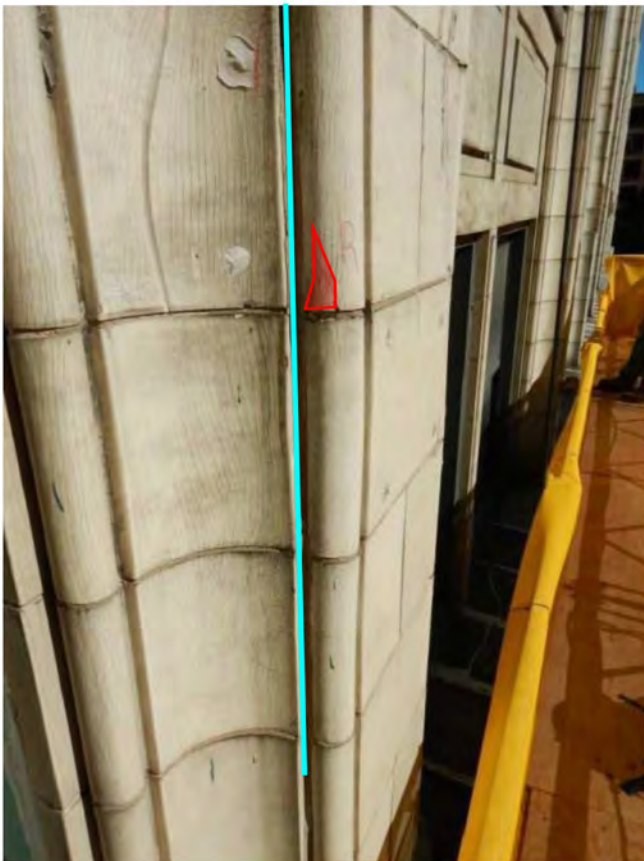


Photo 171: Remove loose + TP



Photo 172: R/S

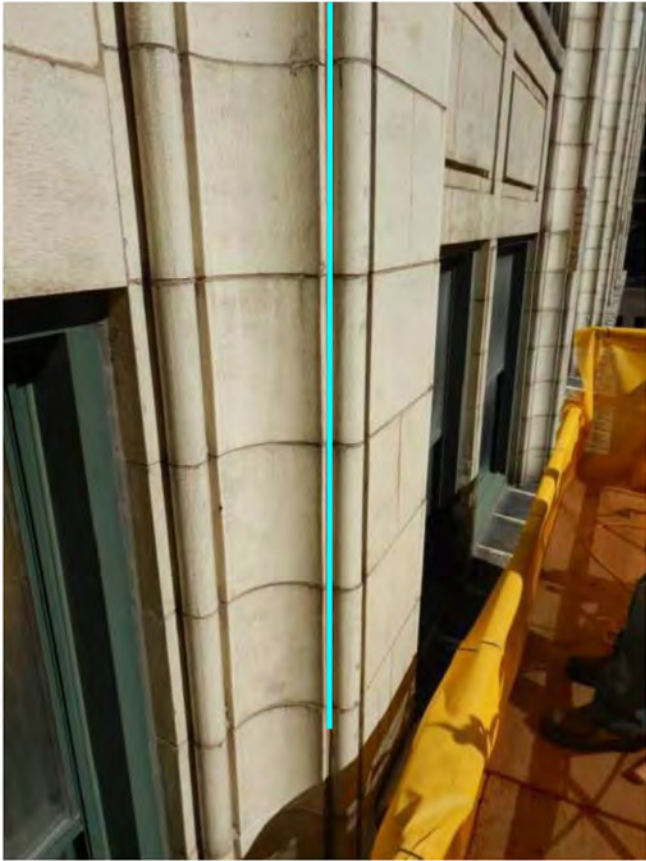


Photo 173: TP

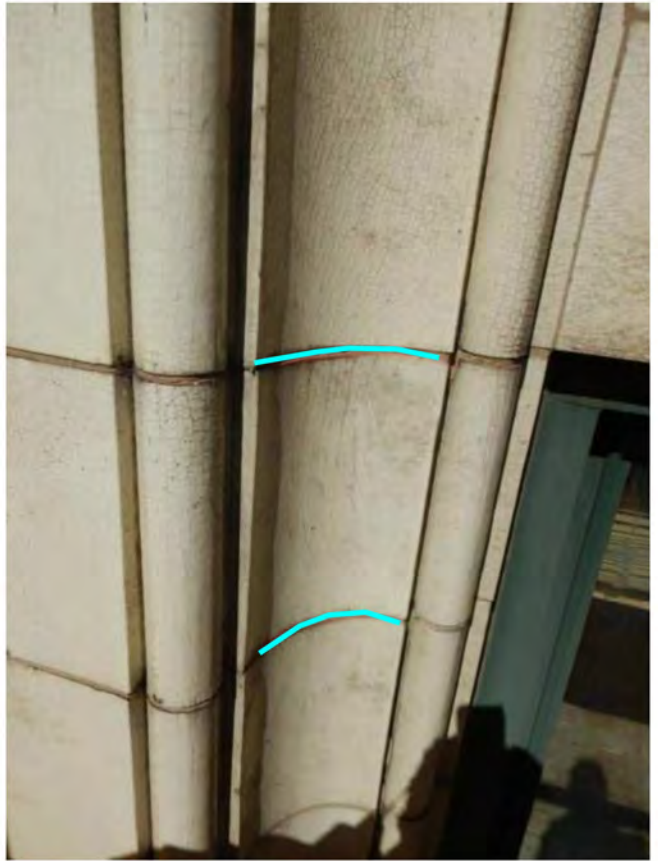


Photo 174: TP



Photo 175: Seal hole



Photo 176: R/S

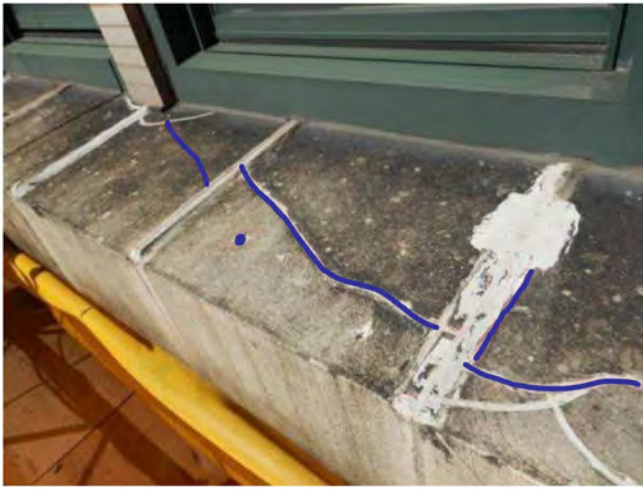


Photo 177: R/S

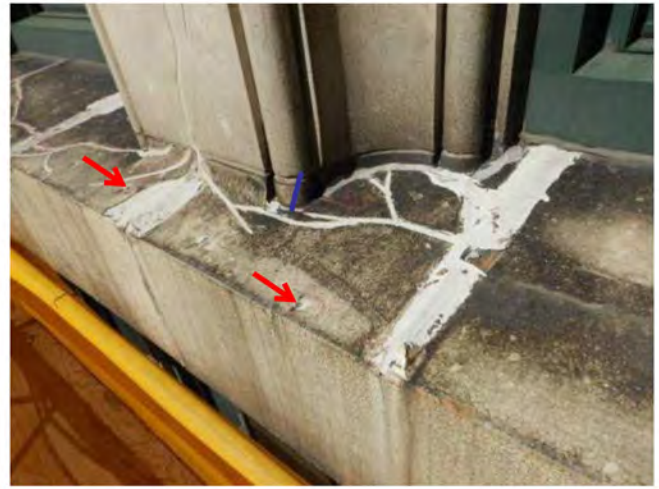


Photo 178: Seal hole + R/S



Photo 179: Seal holes

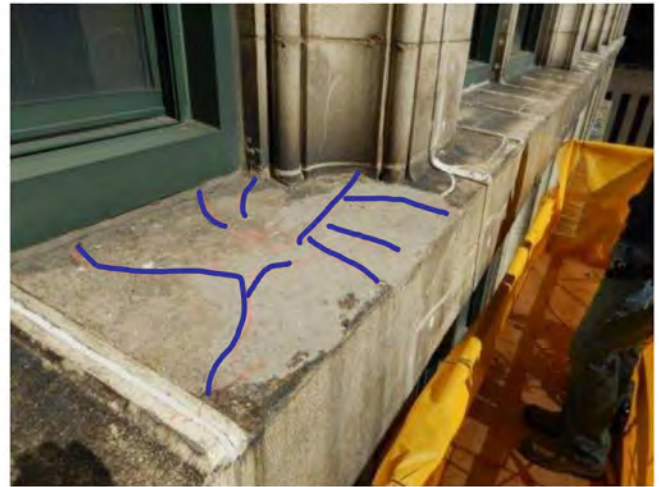


Photo 180: R/S



Photo 181: Seal holes + R/S

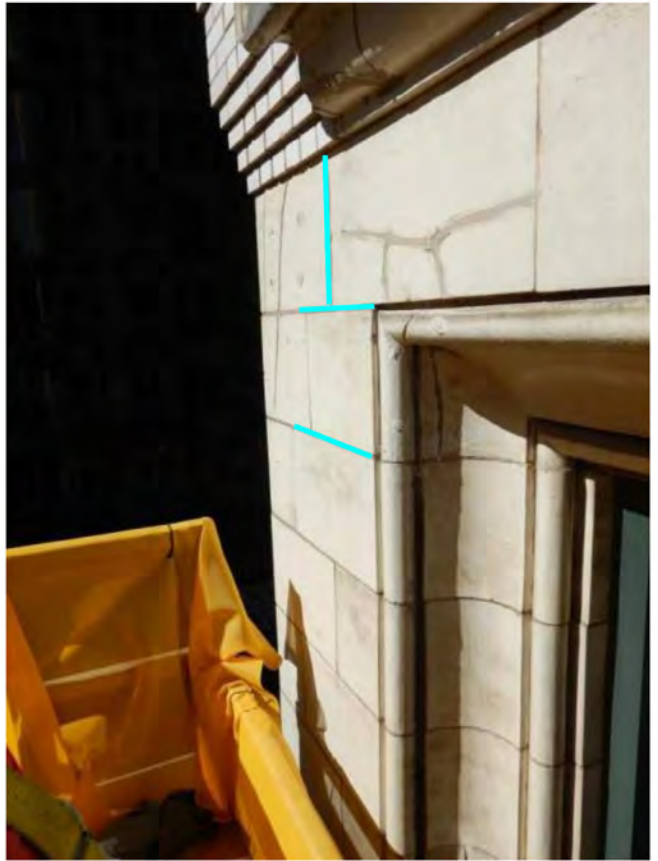


Photo 182: TP

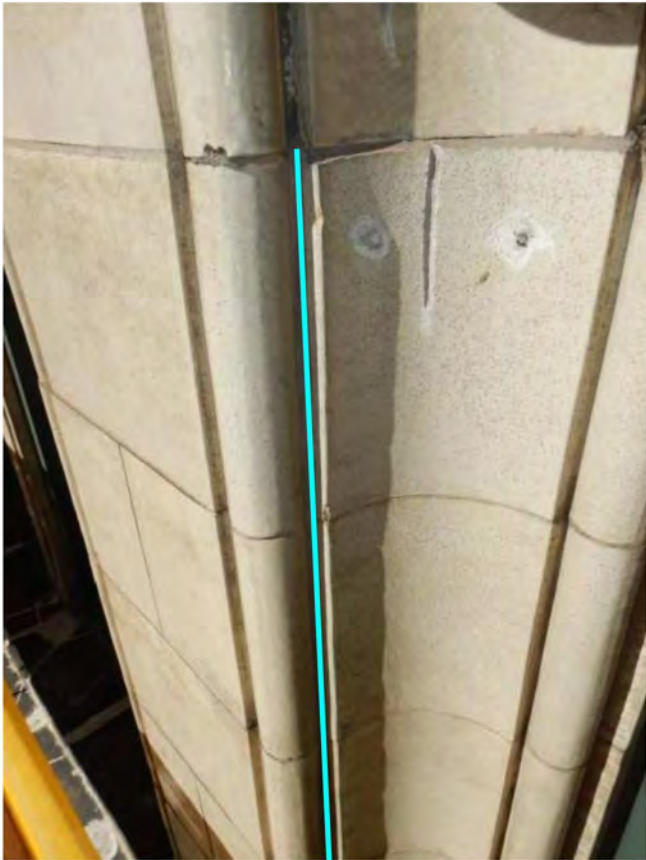


Photo 183: TP



Photo 184: Remove loose, clean, seal



Photo 185: R/S



Photo 186: Remove loose

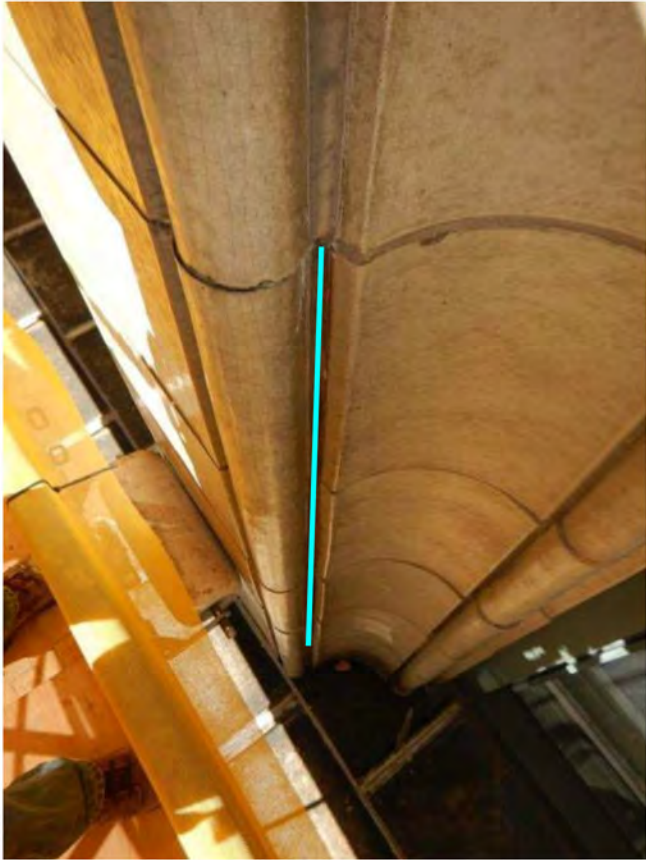


Photo 187: TP



Photo 188: R/S



Photo 189: R/S

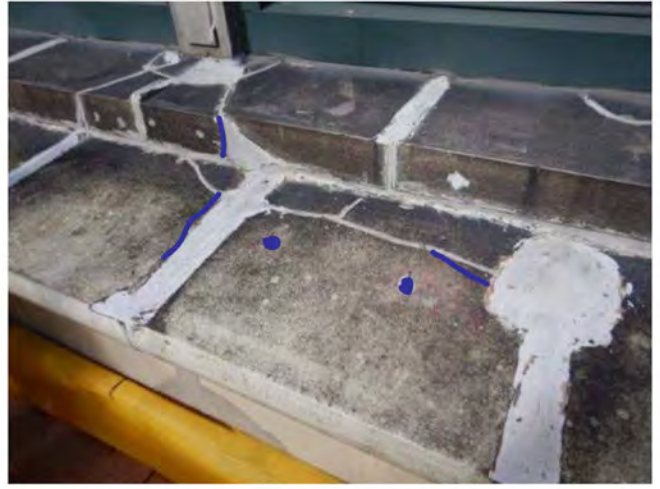


Photo 190: R/S

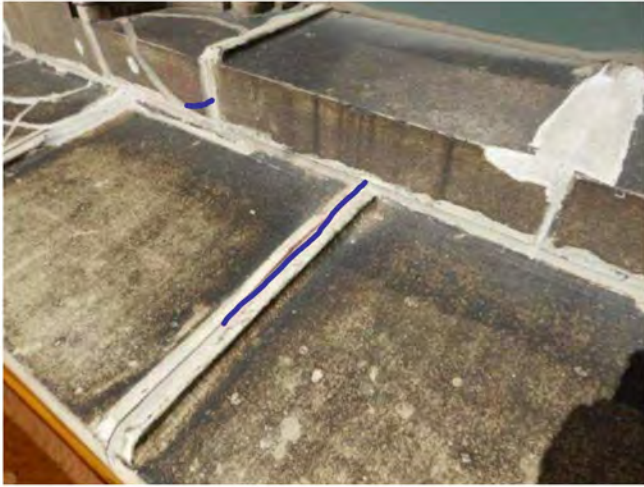


Photo 191: R/S



Photo 192: R/S

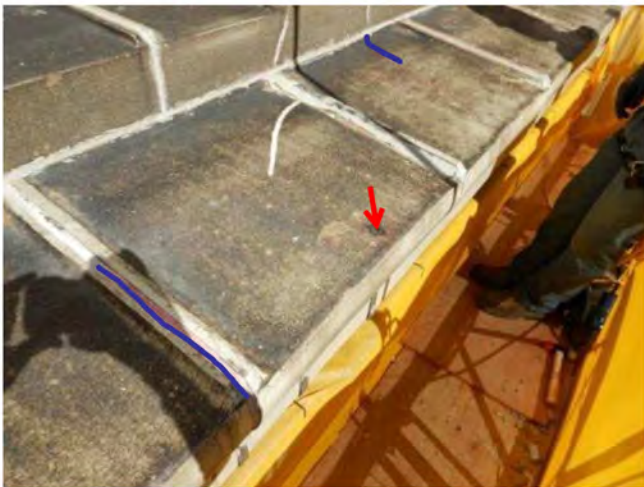


Photo 193: R/S

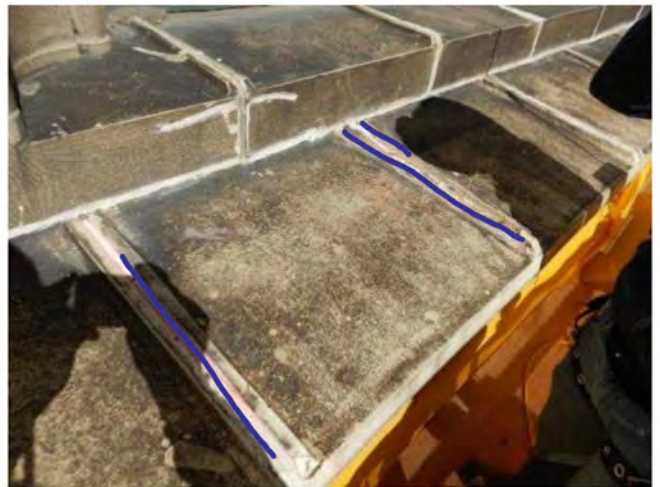


Photo 194: R/S

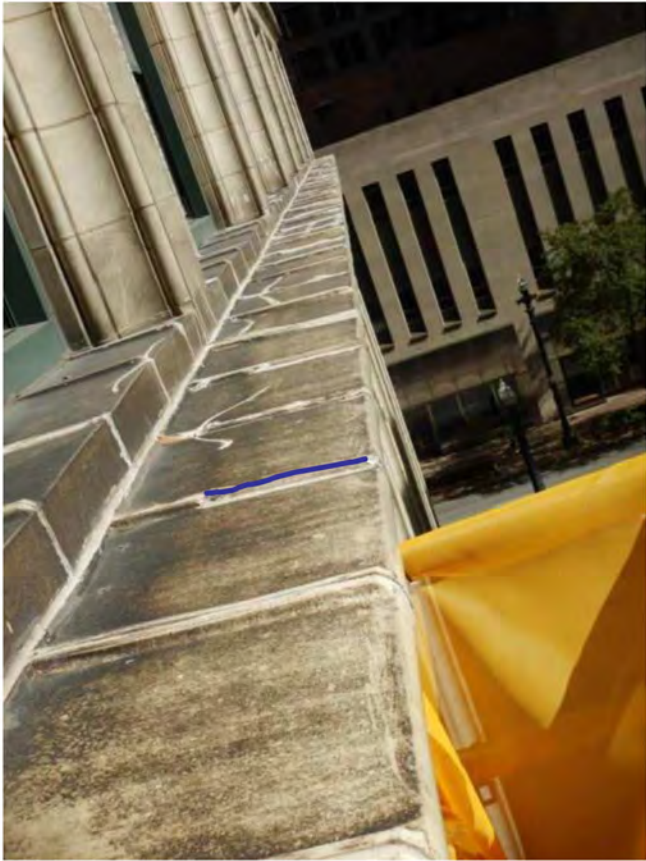


Photo 195: R/S



Photo 196: R/S



Photo 197: TP

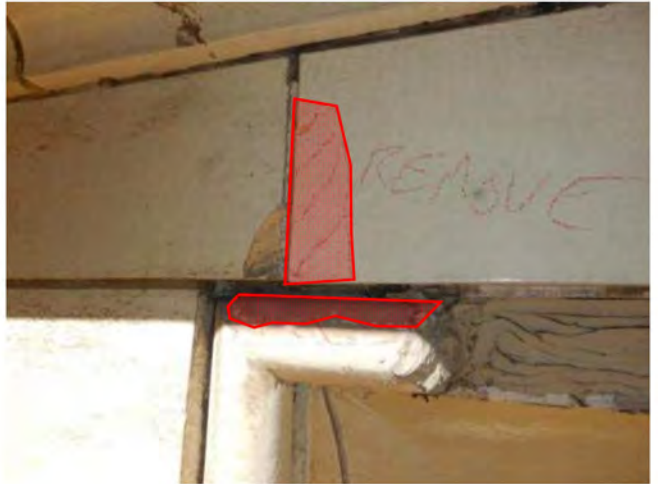


Photo 198: Remove loose



Photo 199: Remove loose

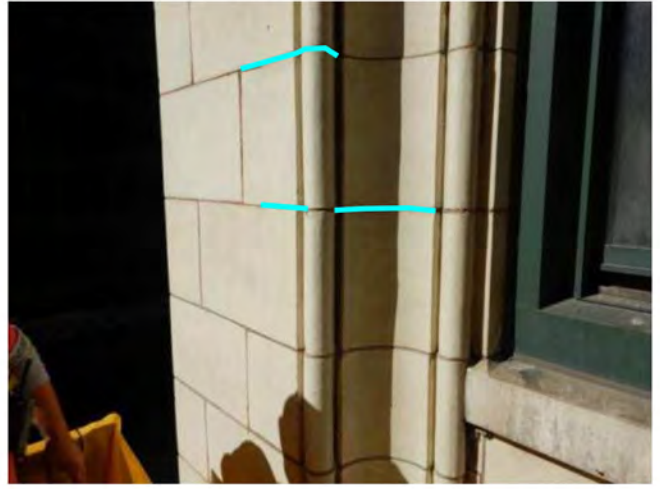


Photo 200: TP



Photo 201: TP



Photo 202: TP

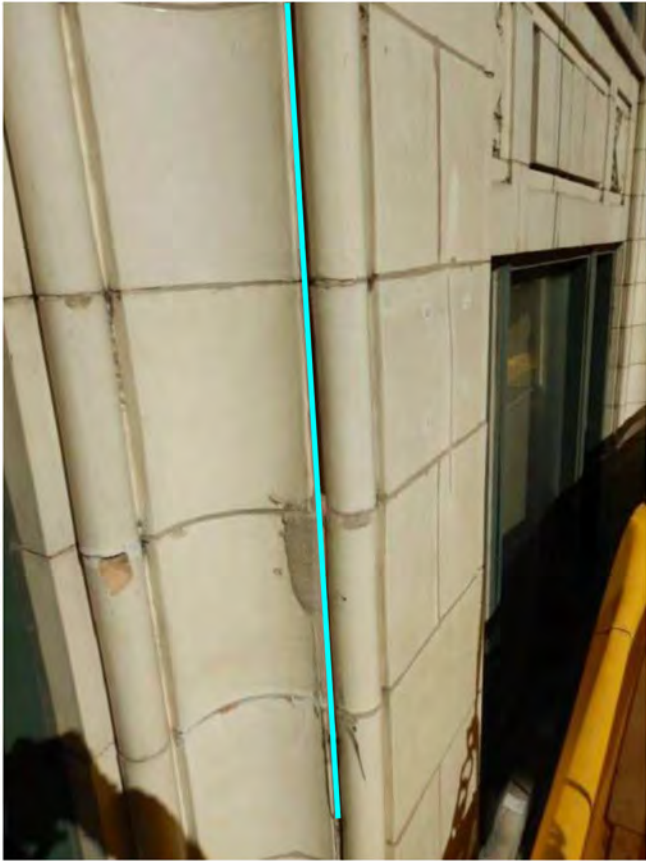


Photo 203: TP

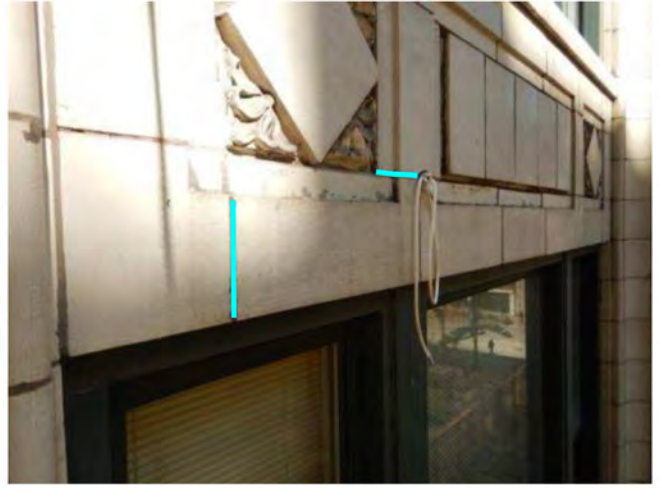


Photo 204: TP

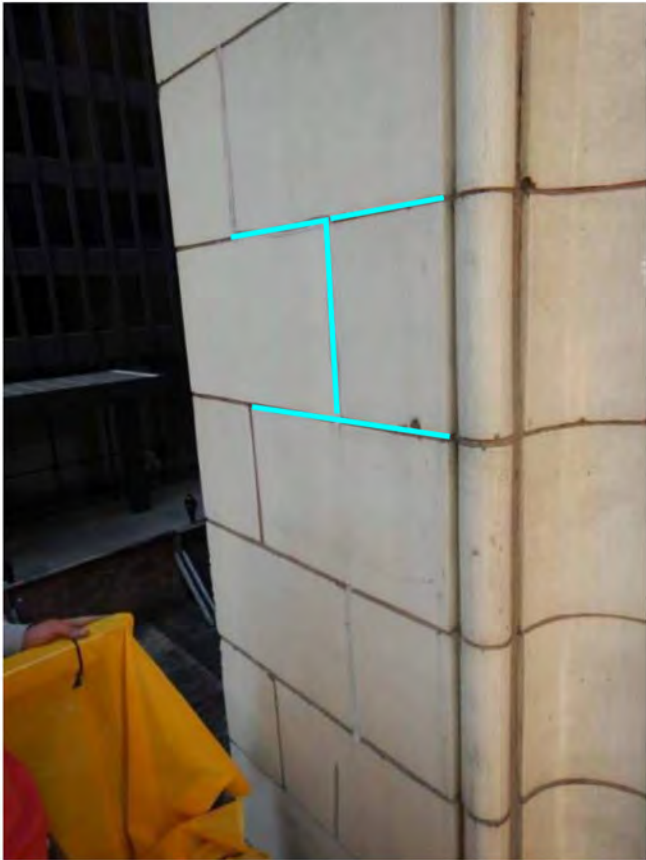


Photo 205: TP



Photo 206: Remove loose + seal



Photo 207: TP

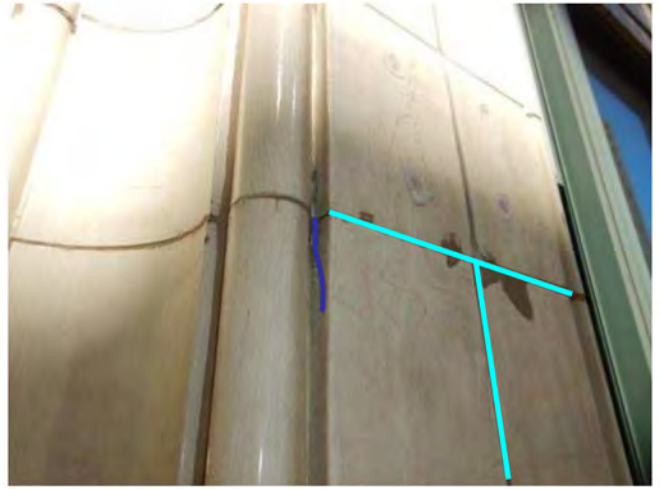


Photo 208: TP + R/S

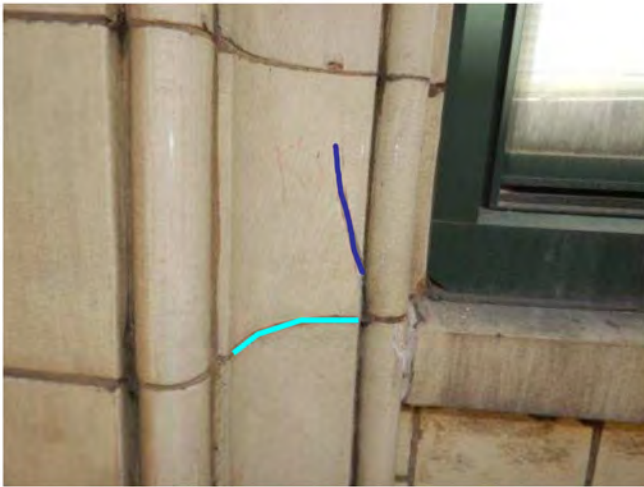


Photo 209: TP + R/S

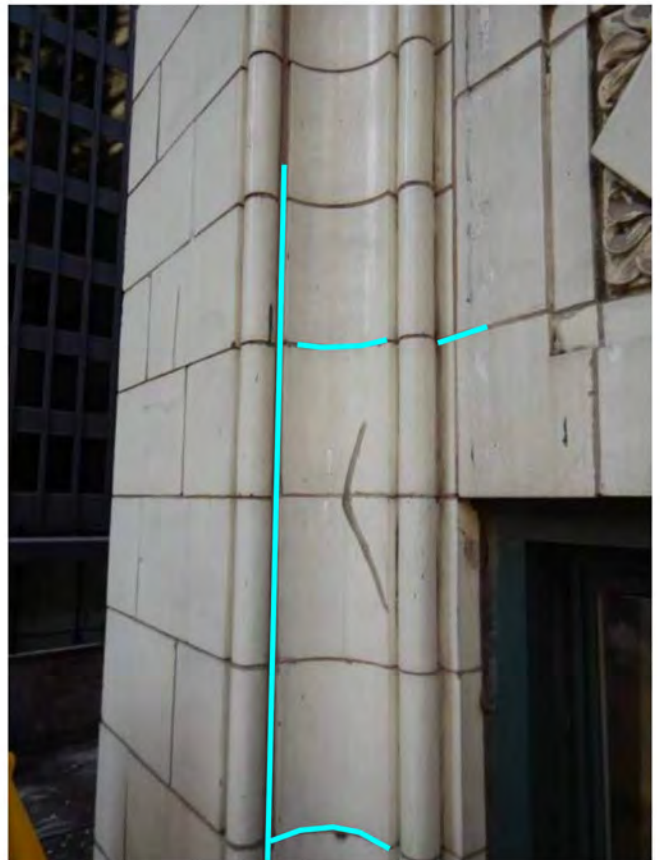


Photo 210: TP

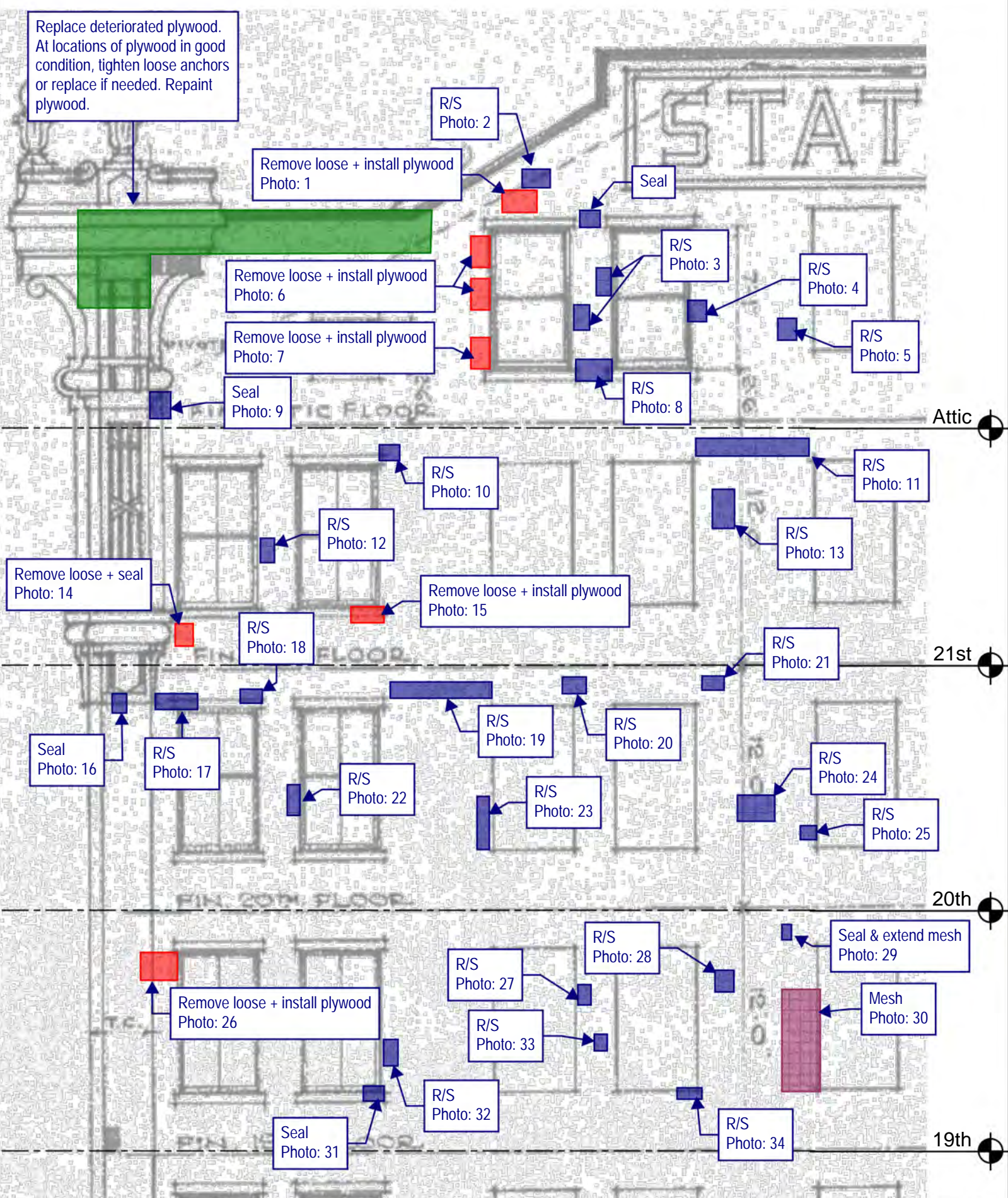


Photo 211: TP



Photo 212: TP

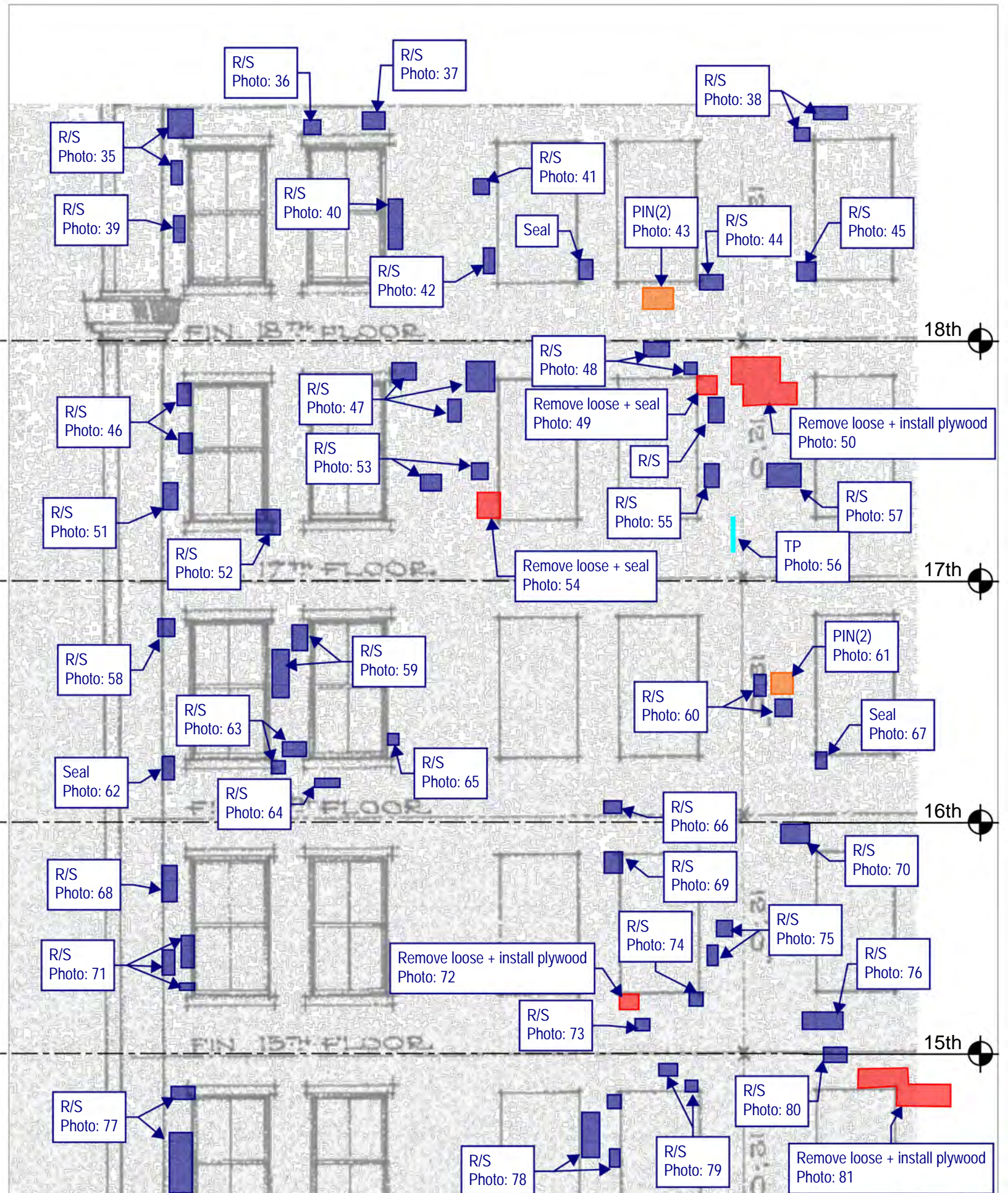
Replace deteriorated plywood.
At locations of plywood in good condition, tighten loose anchors or replace if needed. Repaint plywood.



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

No.1	DROP 7 - NORTH ELEVATION	5/13/21	DRAWING No. N-1
No.2			
No.3			
No.4			
No.5			



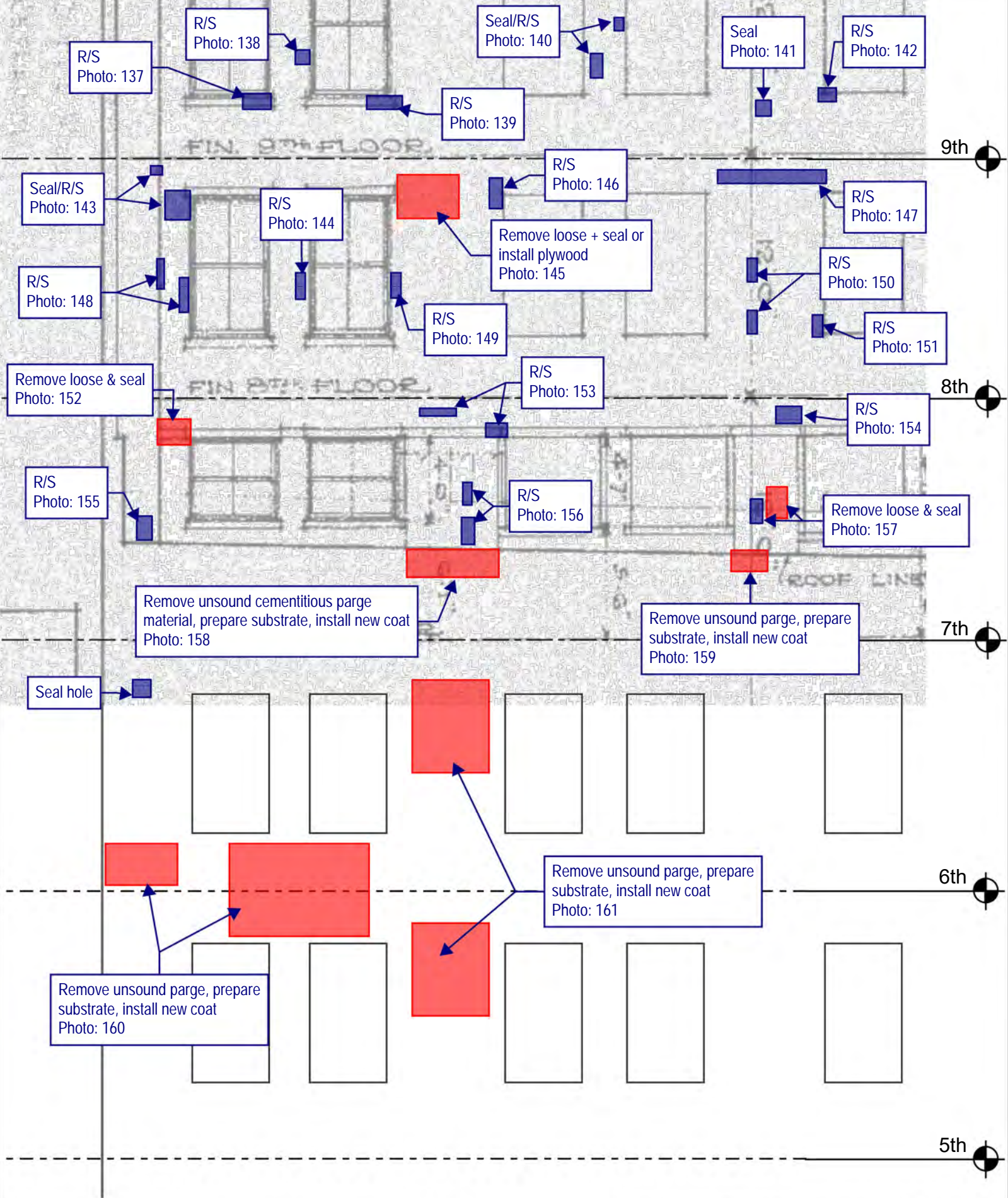
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2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

No.1	DROP 7 - NORTH ELEVATION	5/13/21	DRAWING No. N-2
No.2			
No.3			
No.4			
No.5			



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

No.1	DROP 7 - NORTH ELEVATION	5/13/21	DRAWING No. N-4
No.2			
No.3			
No.4			
No.5			

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

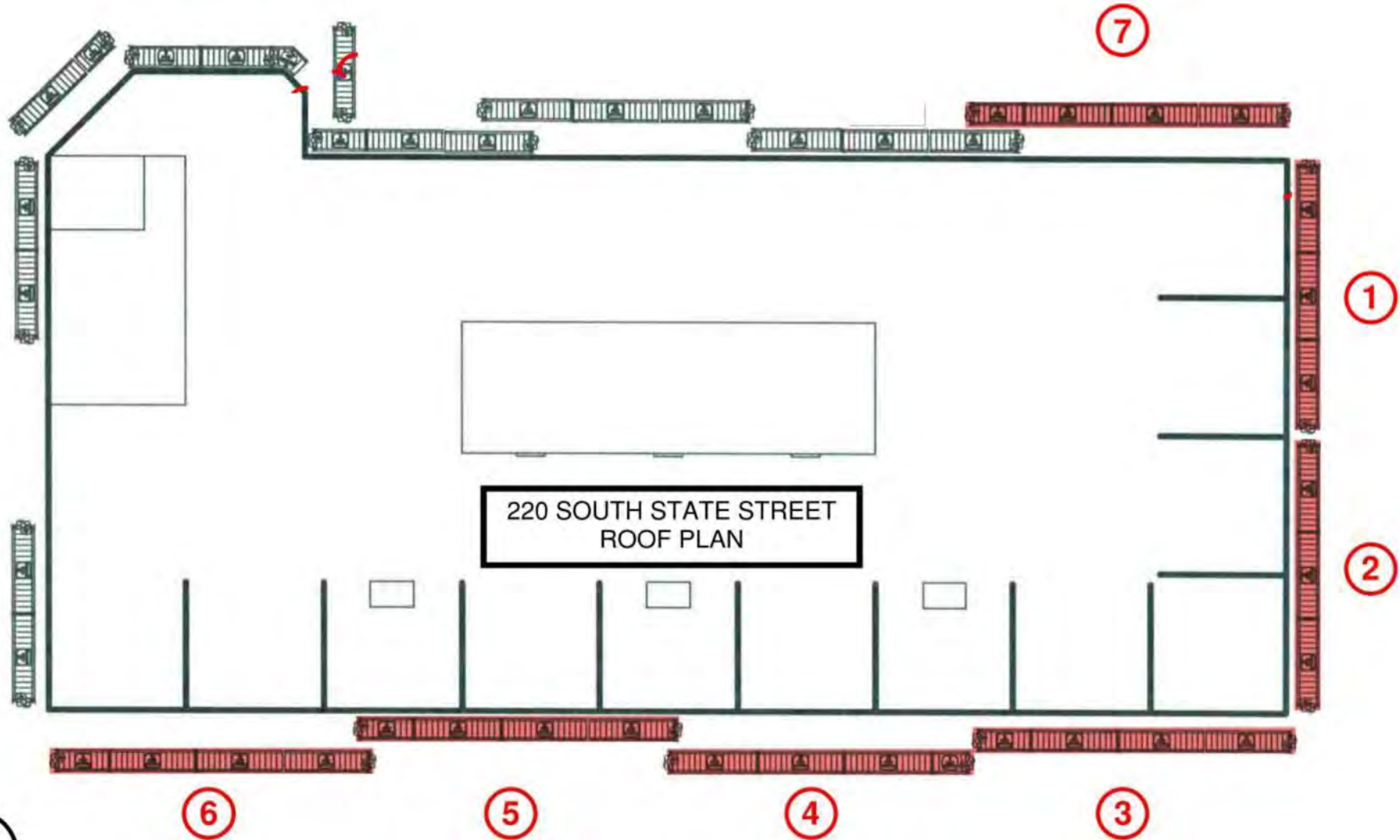
SUBJECT: 2020 TEMPORARY STABILIZATION RPR

REFERENCE: C20178.00

BY: TT

DATE: 11/13/2020

LEGEND-01



DRAWING MUST BE REVIEWED IN COLOR

Thornton Tomasetti

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

SUBJECT: PROPOSED DROP PLAN

REFERENCE:

BY: GH

DATE: 08/12/2020

SSK-001



Photo 1: Remove loose + install plywood



Photo 2: R/S



Photo 3: R/S



Photo 4: R/S



Photo 5: R/S



Photo 6: Remove loose + install plywood



Photo 7: Remove loose + install plywood



Photo 8: R/S



Photo 9: Seal



Photo 10: R/S



Photo 11: R/S



Photo 12: R/S



Photo 13: R/S



Photo 14: Remove loose + seal



Photo 15: Remove loose + install plywood



Photo 16: Seal



Photo 17: R/S



Photo 18: R/S

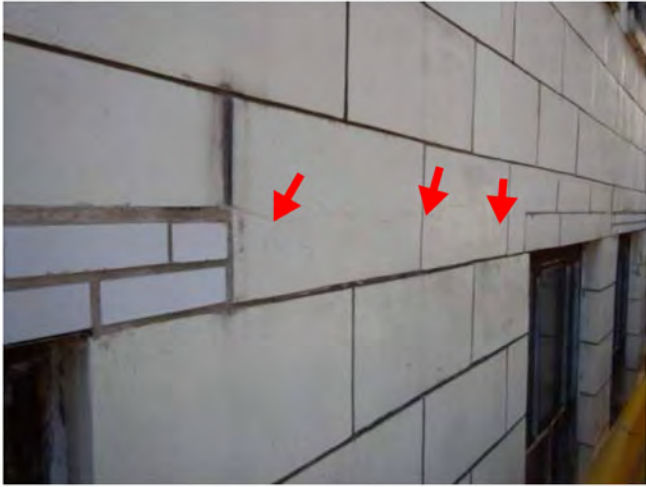


Photo 19: R/S



Photo 20: R/S



Photo 21: R/S



Photo 22: R/S



Photo 23: R/S



Photo 24: R/S



Photo 25: R/S



Photo 26: Remove loose + install plywood



Photo 27: R/S



Photo 28: R/S



Photo 29: Seal & extend mesh



Photo 30: Mesh



Photo 31: Seal



Photo 32: R/S



Photo 33: R/S



Photo 34: R/S



Photo 35: R/S



Photo 36: R/S



Photo 37: R/S



Photo 38: R/S

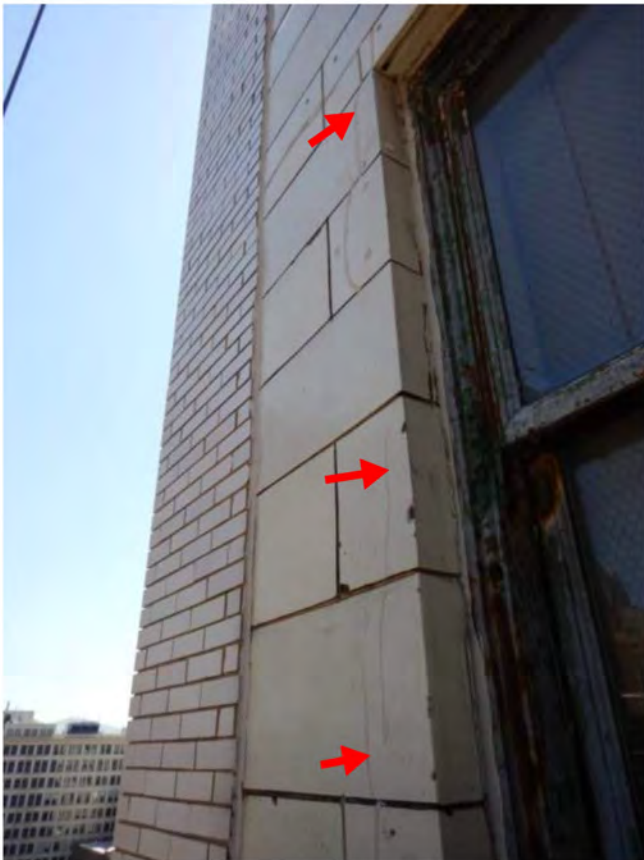


Photo 39: R/S



Photo 40: R/S



Photo 41: R/S



Photo 42: R/S



Photo 43: PIN(2)



Photo 44: R/S



Photo 45: R/S



Photo 46: R/S



Photo 47: R/S



Photo 48: R/S



Photo 49: Remove loose + seal



Photo 50: Remove loose + install plywood



Photo 51: R/S



Photo 52: R/S



Photo 53: R/S



Photo 54: Remove loose + seal



Photo 55: R/S



Photo 56: TP



Photo 57: R/S



Photo 58: R/S



Photo 59: R/S



Photo 60: R/S



Photo 61: PIN(2)



Photo 62: Seal



Photo 63: R/S



Photo 64: R/S



Photo 65: R/S

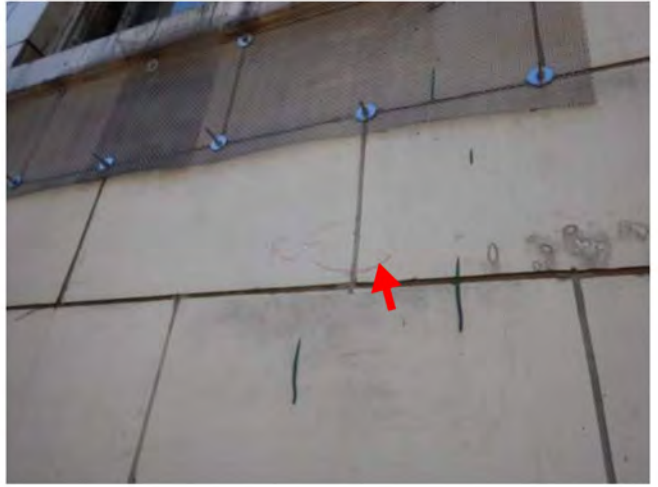


Photo 66: R/S



Photo 67: Seal



Photo 68: R/S



Photo 69: R/S



Photo 70: R/S



Photo 71: R/S



Photo 72: Remove loose + install plywood



Photo 73: R/S



Photo 74: R/S



Photo 75: R/S



Photo 76: R/S



Photo 77: R/S



Photo 78: R/S



Photo 79: R/S



Photo 80: R/S



Photo 81: Remove loose + install plywood

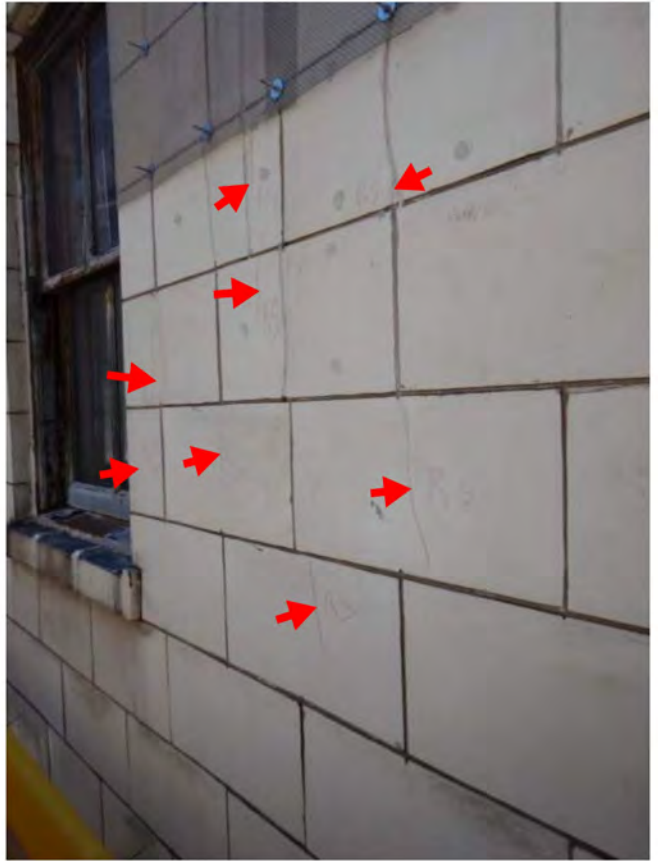


Photo 82: R/S



Photo 83: R/S



Photo 84: R/S



Photo 85: R/S & mesh



Photo 86: R/S



Photo 87: R/S



Photo 88: R/S



Photo 89: Seal



Photo 90: R/S



Photo 91: Remove loose + install plywood



Photo 92: R/S



Photo 93: R/S



Photo 94: R/S



Photo 95: R/S



Photo 96: R/S

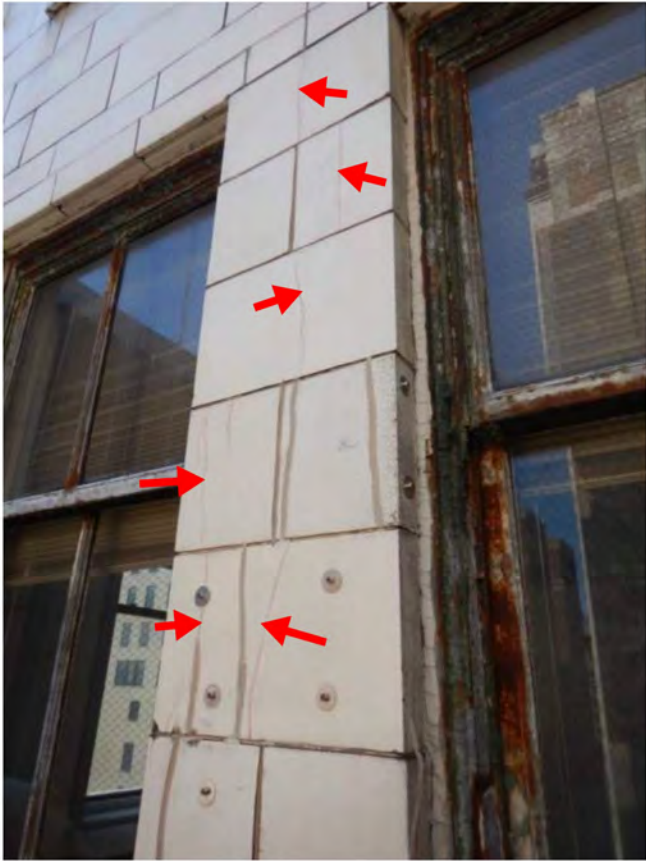


Photo 97: R/S



Photo 98: R/S



Photo 99: Remove loose & seal



Photo 100: R/S



Photo 101: R/S



Photo 102: R/S



Photo 103: Remove loose + install plywood



Photo 104: Remove loose & seal

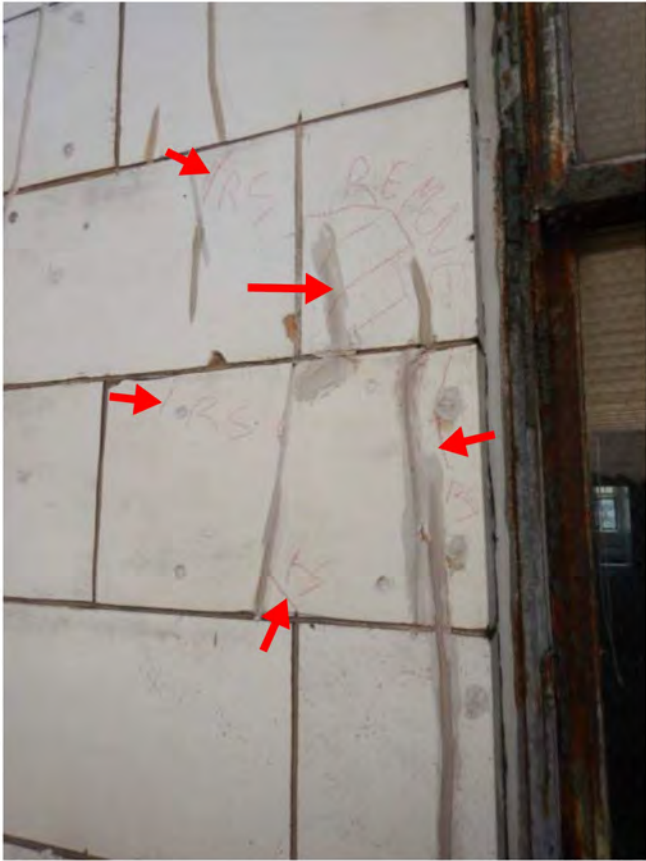


Photo 105: Remove loose & seal



Photo 106: Remove loose & seal



Photo 107: Remove loose & seal



Photo 108: R/S



Photo 109: R/S



Photo 110: R/S



Photo 111: Remove loose & seal



Photo 112: R/S



Photo 113: R/S



Photo 114: R/S



Photo 115: R/S



Photo 116: R/S



Photo 117: R/S



Photo 118: R/S



Photo 119: R/S



Photo 120: R/S



Photo 121: R/S



Photo 122: R/S



Photo 123: R/S



Photo 124: R/S



Photo 125: R/S



Photo 126: R/S



Photo 127: R/S or possible remove loose & seal



Photo 128: R/S or possible remove loose & seal



Photo 129: Seal



Photo 130: R/S



Photo 131: R/S



Photo 132: Remove loose & seal

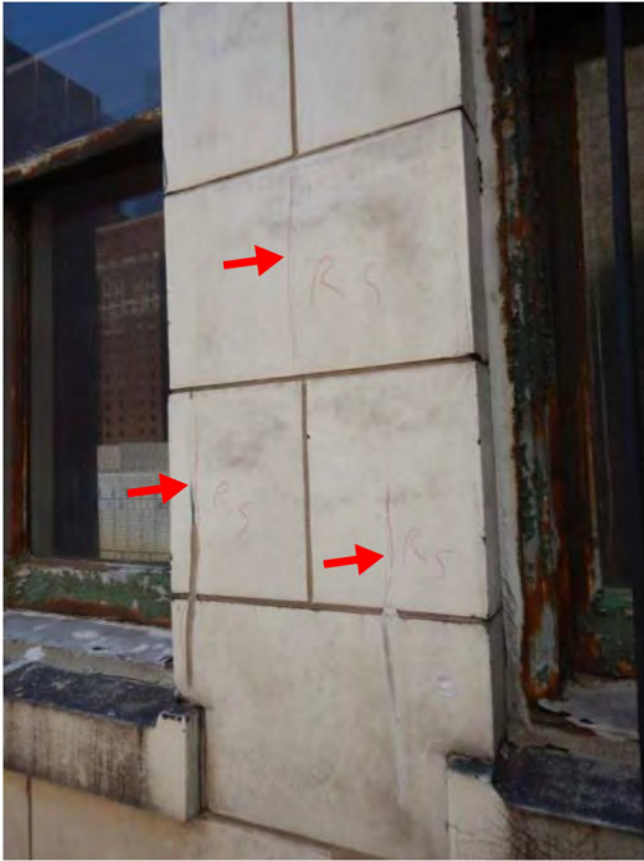


Photo 133: R/S



Photo 134: R/S



Photo 135: R/S

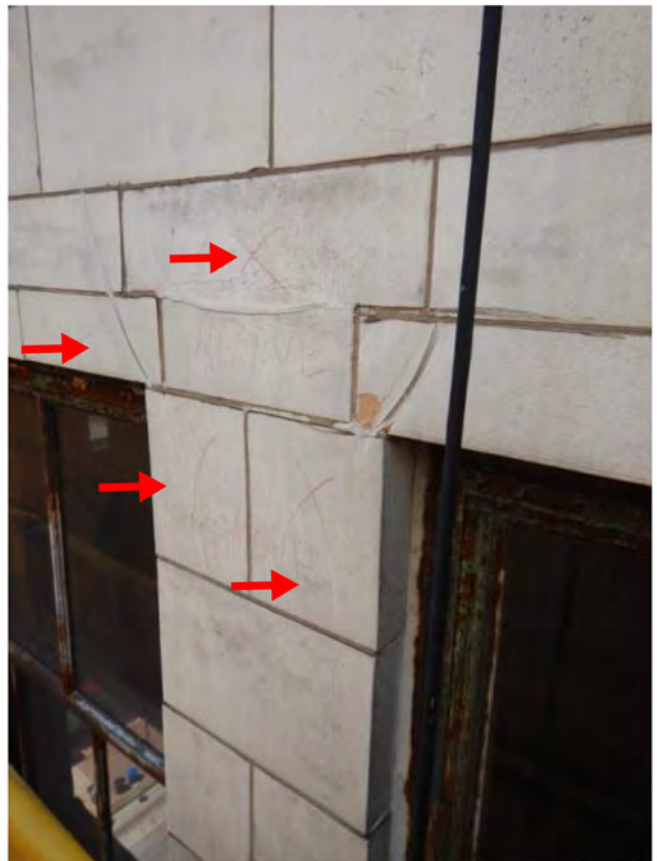


Photo 136: Remove loose + install plywood



Photo 137: R/S



Photo 138: R/S



Photo 139: R/S



Photo 140: Seal/R/S



Photo 141: Seal



Photo 142: R/S



Photo 143: Seal/R/S



Photo 144: R/S



Photo 145: Remove loose + seal or install plywood



Photo 146: R/S



Photo 147: R/S



Photo 148: R/S



Photo 149: R/S



Photo 150: R/S



Photo 151: R/S



Photo 152: Remove loose & seal



Photo 153: R/S



Photo 154: R/S



Photo 155: R/S



Photo 156: R/S



Photo 157: Remove loose & seal



Photo 158: Remove unsound cementitious parge material, prepare substrate, install new coat

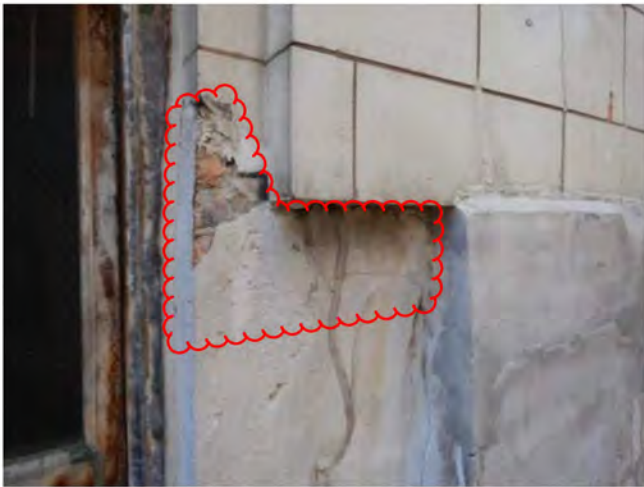


Photo 159: Remove unsound parge, prepare substrate, install new coat



Photo 160: Remove unsound parge, prepare substrate, install new coat

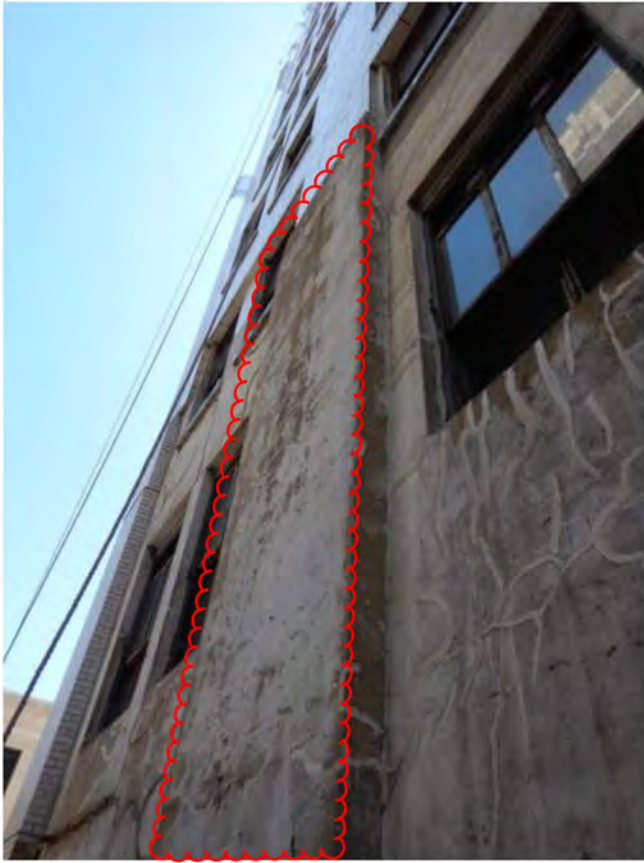
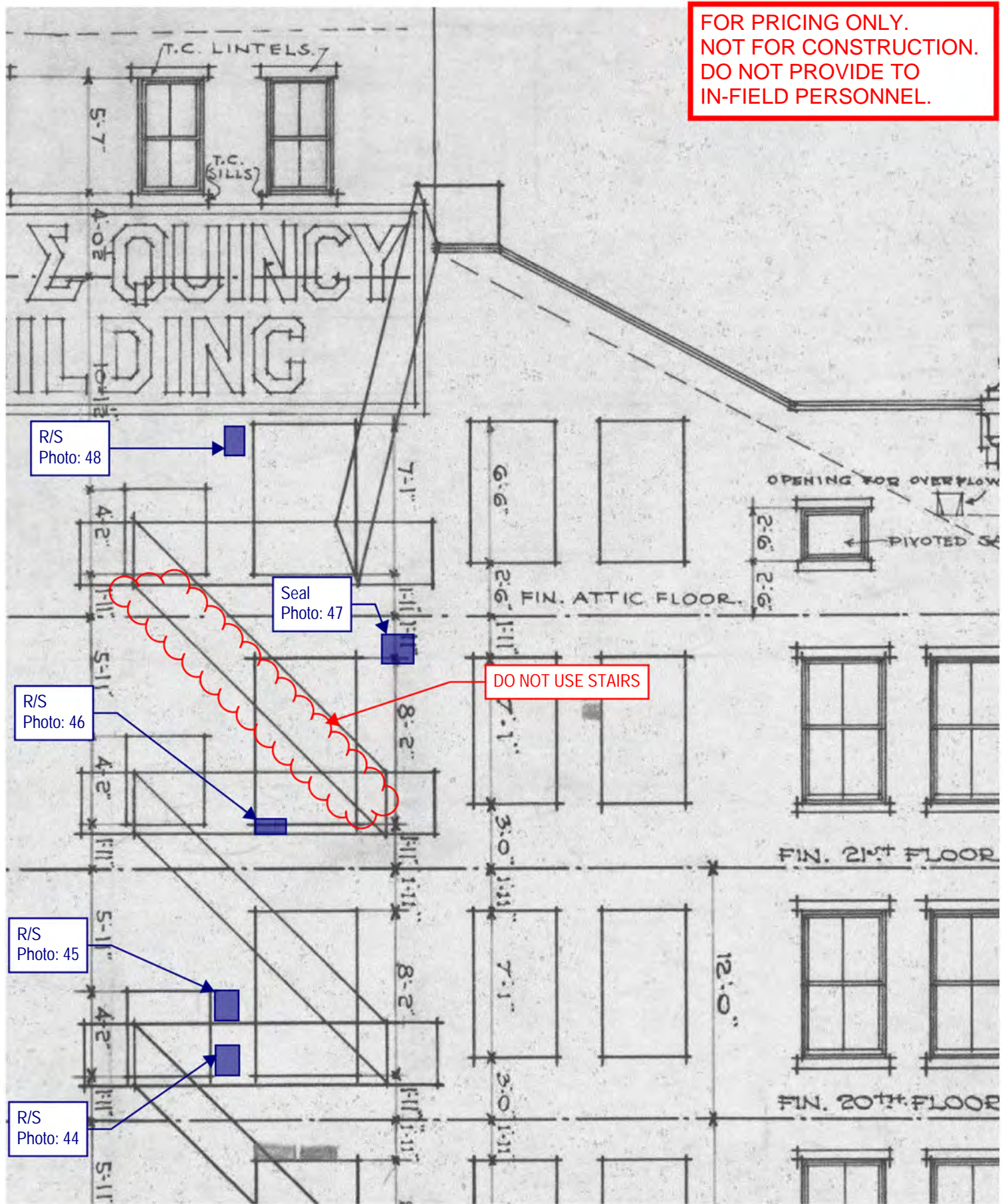


Photo 161: Remove unsound parge, prepare substrate, install new coat

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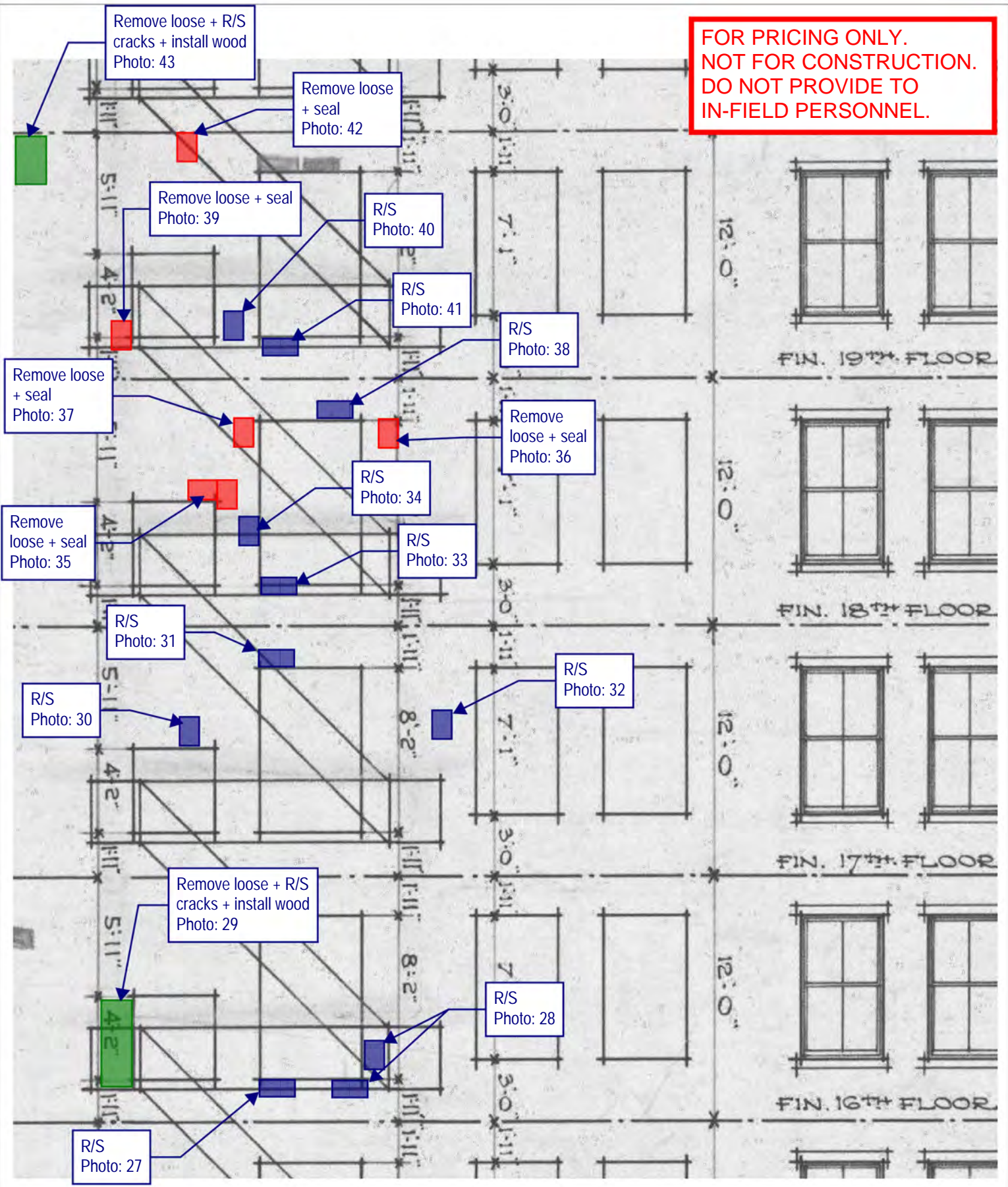
2020 TEMPORARY STABILIZATION REPAIRS
 PROJECT: C20178 DATE: SCALE: N.T.S.

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

DRAWING No.

W-1

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

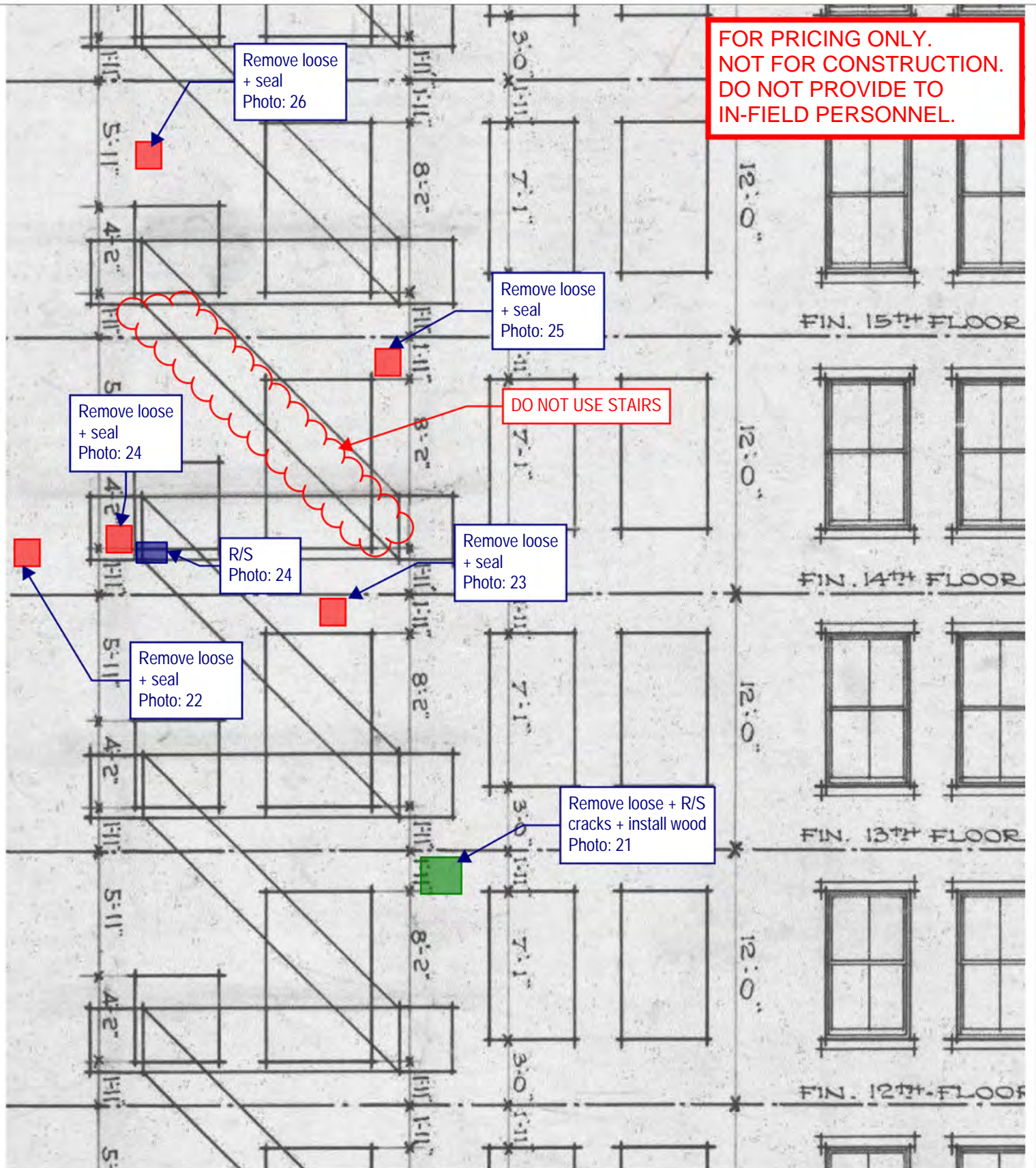
No.1	DROP 1 - WEST ELEVATION
No.2	
No.3	
No.4	
No.5	

DRAWING No.

W-2

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

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

DRAWING No.

W-3

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Remove loose + R/S
cracks + install wood
Photo: 20

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R/S
Photo: 19

Remove loose + R/S
cracks + install wood
Photo: 18

Remove loose
+ seal
Photo: 17

R/S
Photo: 16

Replace
cracked glass
Photo: 15

R/S
Photo: 13-14

R/S
Photo: 12

ELEVATION
AND SASH
UNLESS OTHERWISE
4 1/2" TERRA COTTA
WIRE GLASS

FIN. 11TH FLOOR

FIN. 10TH FLOOR

FIN. 9TH FLOOR

FIN. 8TH FLOOR

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

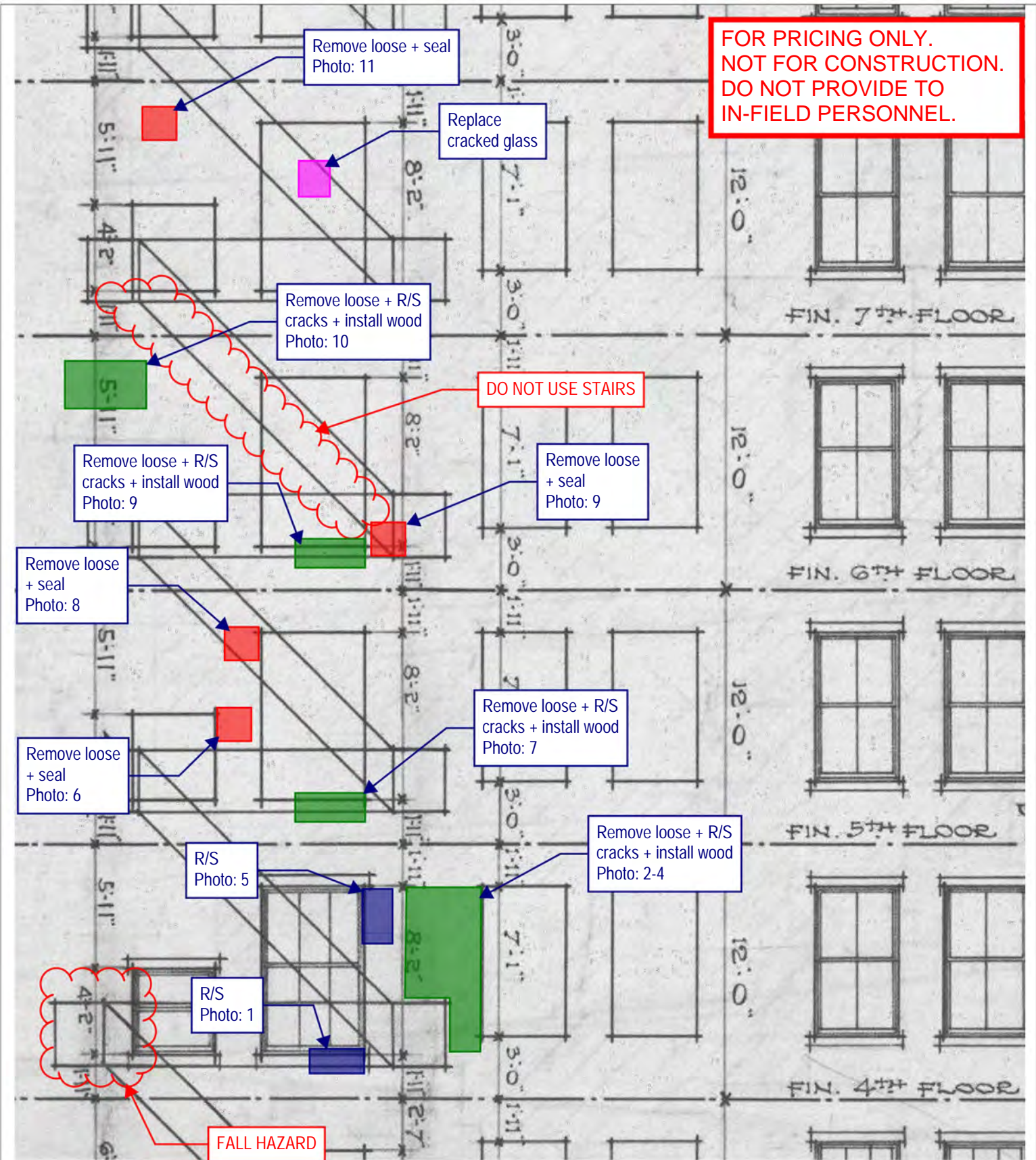
No.1	DROP 1 - WEST ELEVATION	
No.2		
No.3		
No.4		
No.5		

DRAWING No.

W-4

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

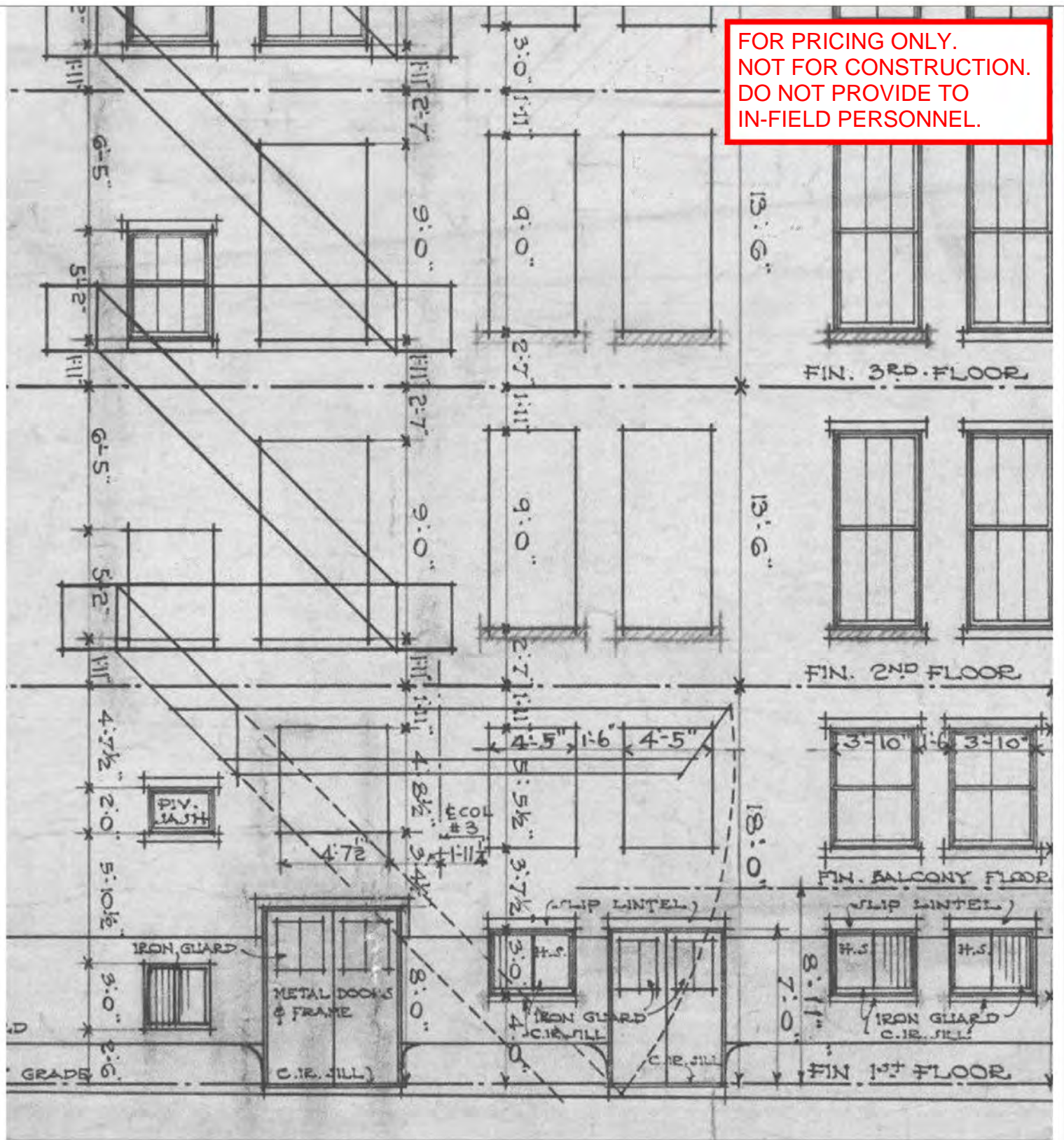
No.1	DROP 1 - WEST ELEVATION
No.2	
No.3	
No.4	
No.5	

DRAWING No.

W-5

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

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

DRAWING No.

W-6



Photo 1: R/S



Photo 2: Remove loose + R/S cracks + install wood



Photo 3: Remove loose + R/S cracks + install wood



Photo 4: Remove loose + R/S cracks + install wood



Photo 5: R/S



Photo 6: Remove loose + seal



Photo 7: Remove loose + R/S cracks + install wood



Photo 8: Remove loose + seal



Photo 9: Remove loose + R/S cracks + install wood



Photo 10: Remove loose + R/S cracks + install wood

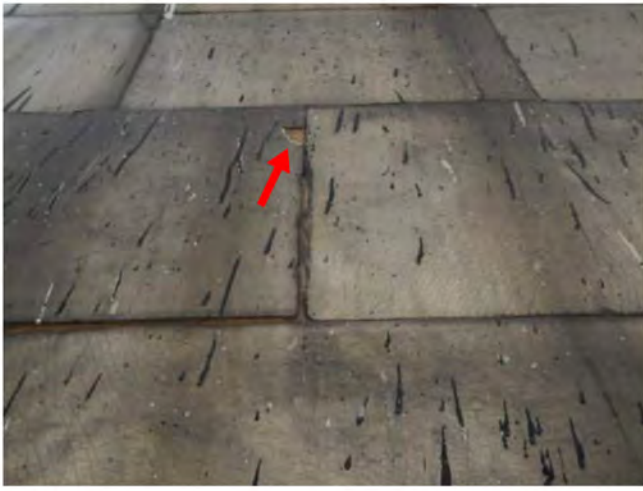


Photo 11: Remove loose + seal



Photo 12: R/S



Photo 13: R/S

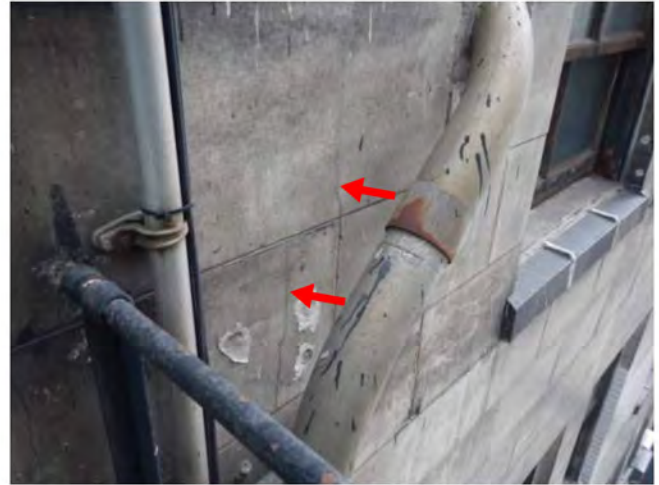


Photo 14: R/S

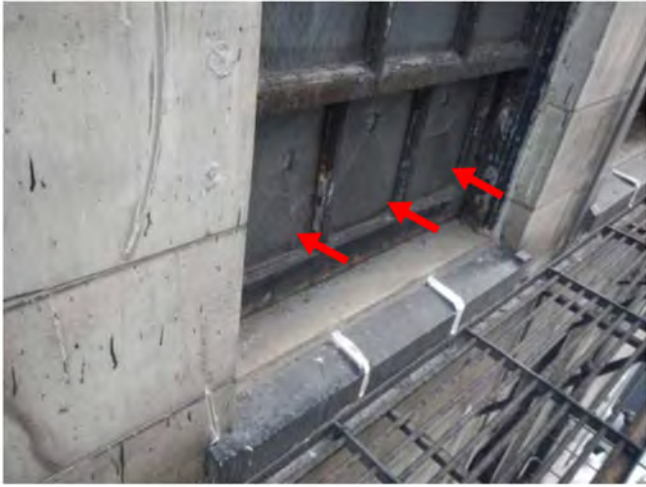


Photo 15: Replace cracked glass



Photo 16: R/S



Photo 17: Remove loose + seal



Photo 18: Remove loose + R/S cracks + install wood



Photo 19: R/S



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Photo 20: Remove loose + R/S cracks + install wood



Photo 21: Remove loose + R/S cracks + install wood



Photo 22: Remove loose + seal



Photo 23: Remove loose + seal

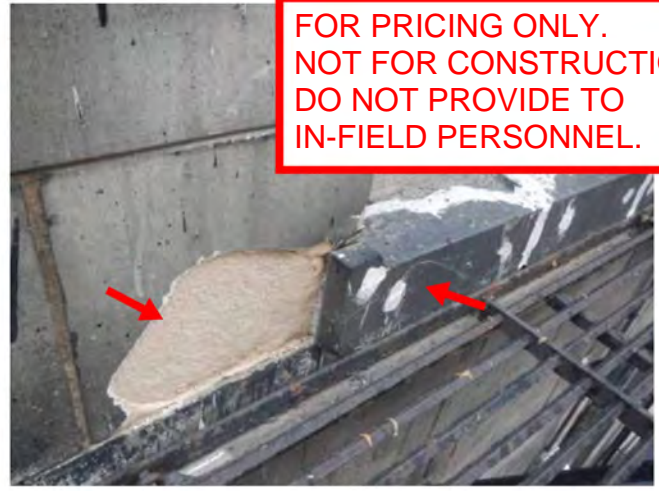


Photo 24: Remove loose + seal + R/S



Photo 25: Remove loose + seal



Photo 26: Remove loose + seal



Photo 27: R/S



Photo 28: R/S

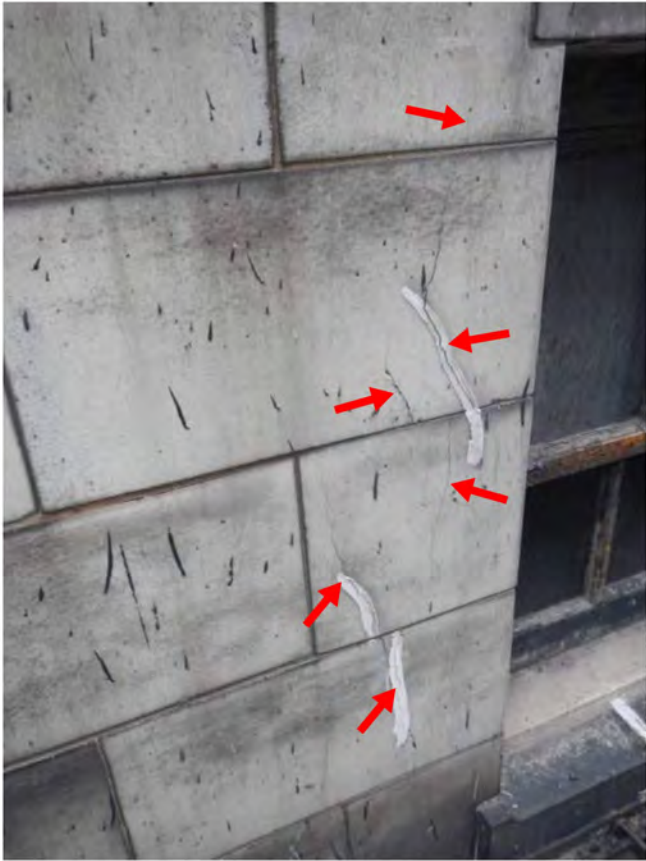
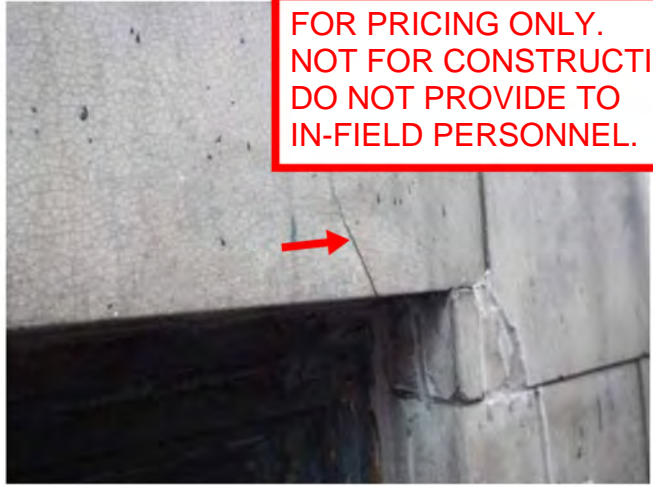


Photo 29: Remove loose + R/S cracks + install wood



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Photo 30: R/S



Photo 31: R/S



Photo 32: R/S



Photo 33: R/S



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Photo 34: R/S



Photo 35: Remove loose + seal



Photo 36: Remove loose + seal



Photo 37: Remove loose + seal



Photo 38: R/S



Photo 39: Remove loose + seal



Photo 40: R/S

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Photo 41: R/S



Photo 42: Remove loose + seal



Photo 43: Remove loose + R/S cracks + install wood



Photo 44: R/S



Photo 45: R/S



Photo 46: R/S



Photo 47: R/S



Photo 48: R/S