

UNIVERSITY of SOUTH CAROLINA

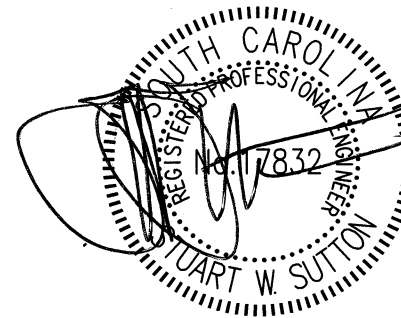


UNIVERSITY OF
SOUTH CAROLINA

USC JONES PSC
ROOF REPLACEMENT PROJECT
PROJECT No.: H27-6094-Z
ADDENDUM No. 1: REVISED BID DOCUMENT SET

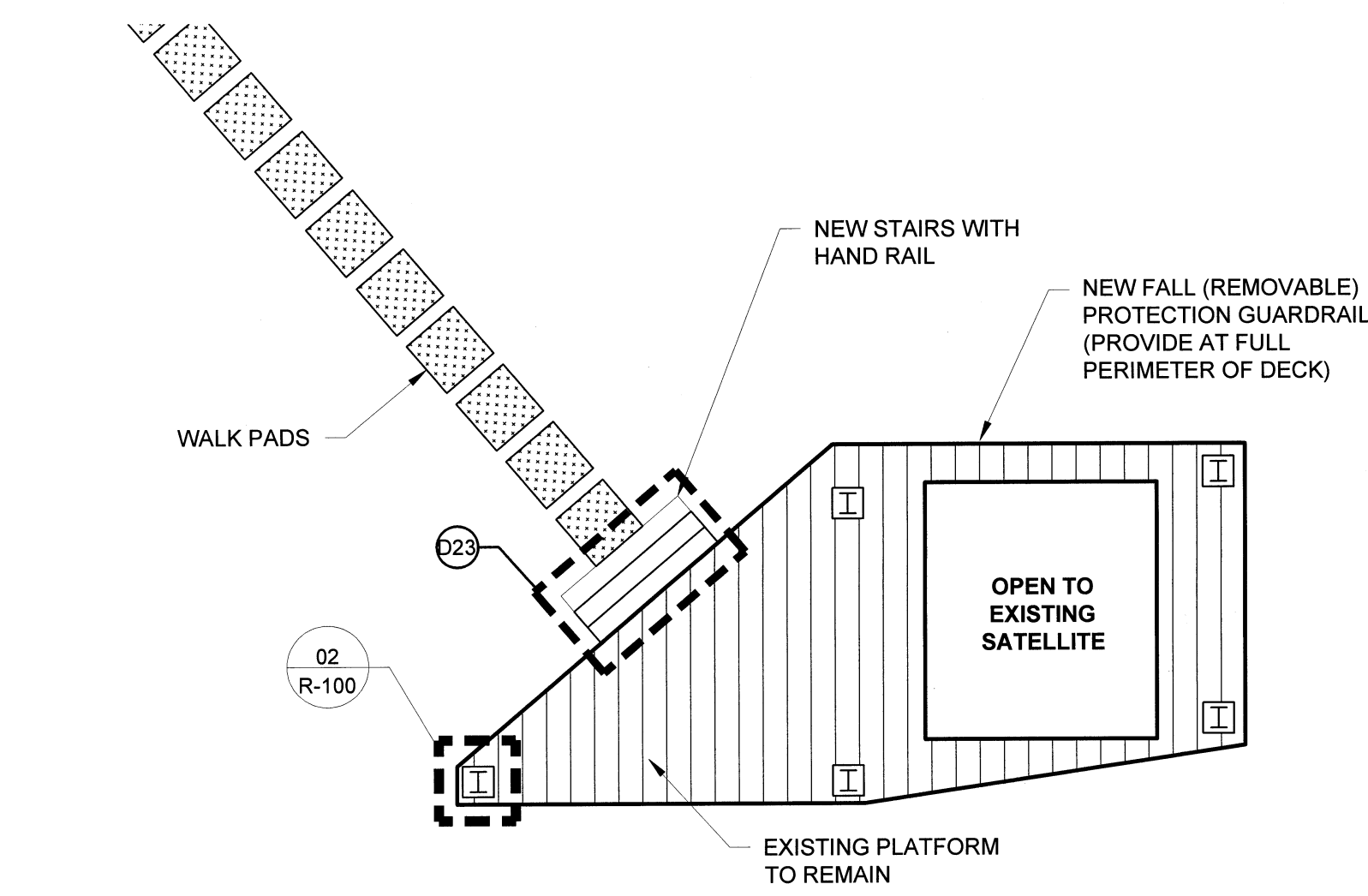
701 MAIN STREET
COLUMBIA, SOUTH CAROLINA, 29208

VICINITY MAP	INDEX OF DRAWINGS	LOCATION MAP
	SHEET NO:	SHEET NAME:
	T-100	COVER SHEET
	R-100	ROOF PLAN
	R-101	ROOF PLAN: FIELD, CORNER AND PERIMETER
	R-200	ROOF DETAILS
	R-201	ROOF DETAILS
	R-202	ROOF DETAILS
	R-203	ROOF DETAILS
	R-204	ROOF DETAILS
	R-205	ROOF DETAILS
	R-206	REMOVALS

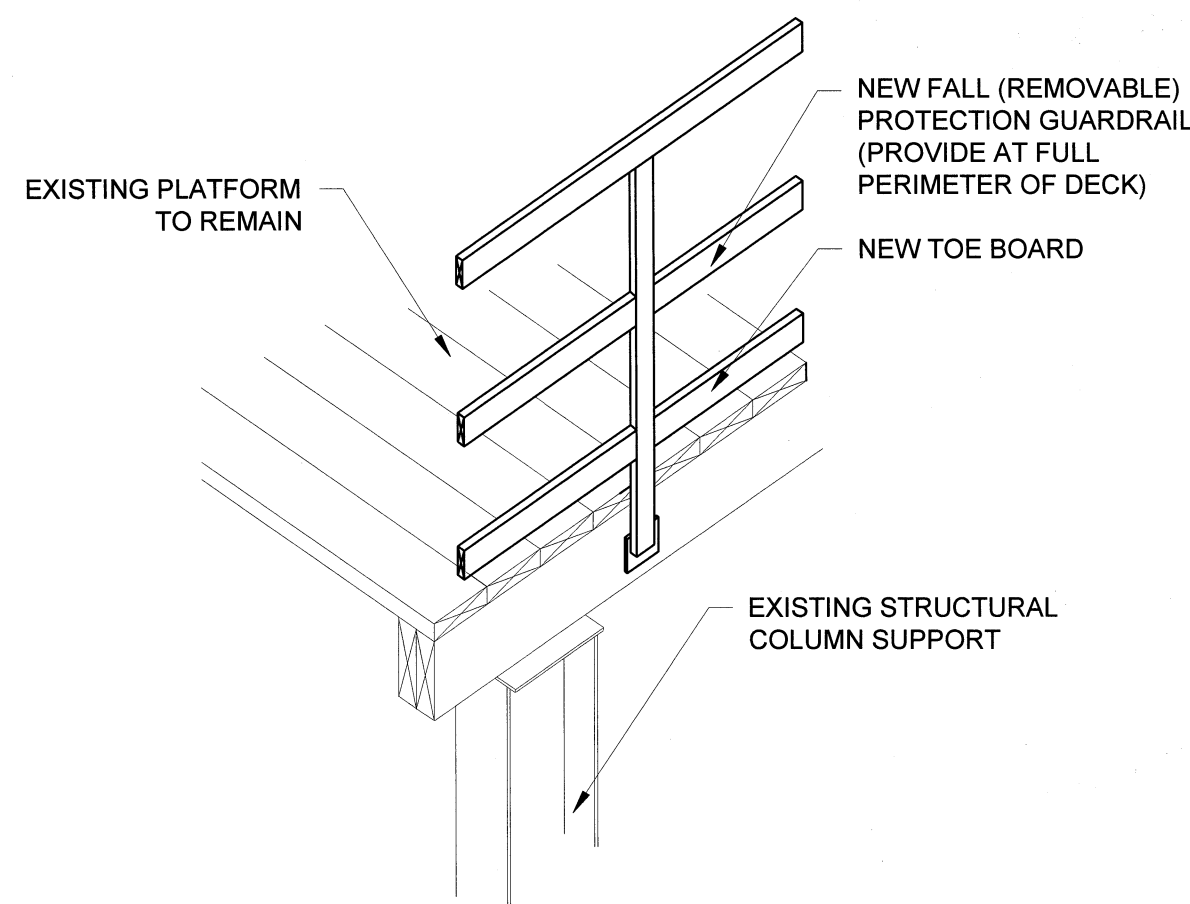


- ☐ DESIGN DEVELOPMENT SUBMITTAL:
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- ☐ RECORD DRAWINGS

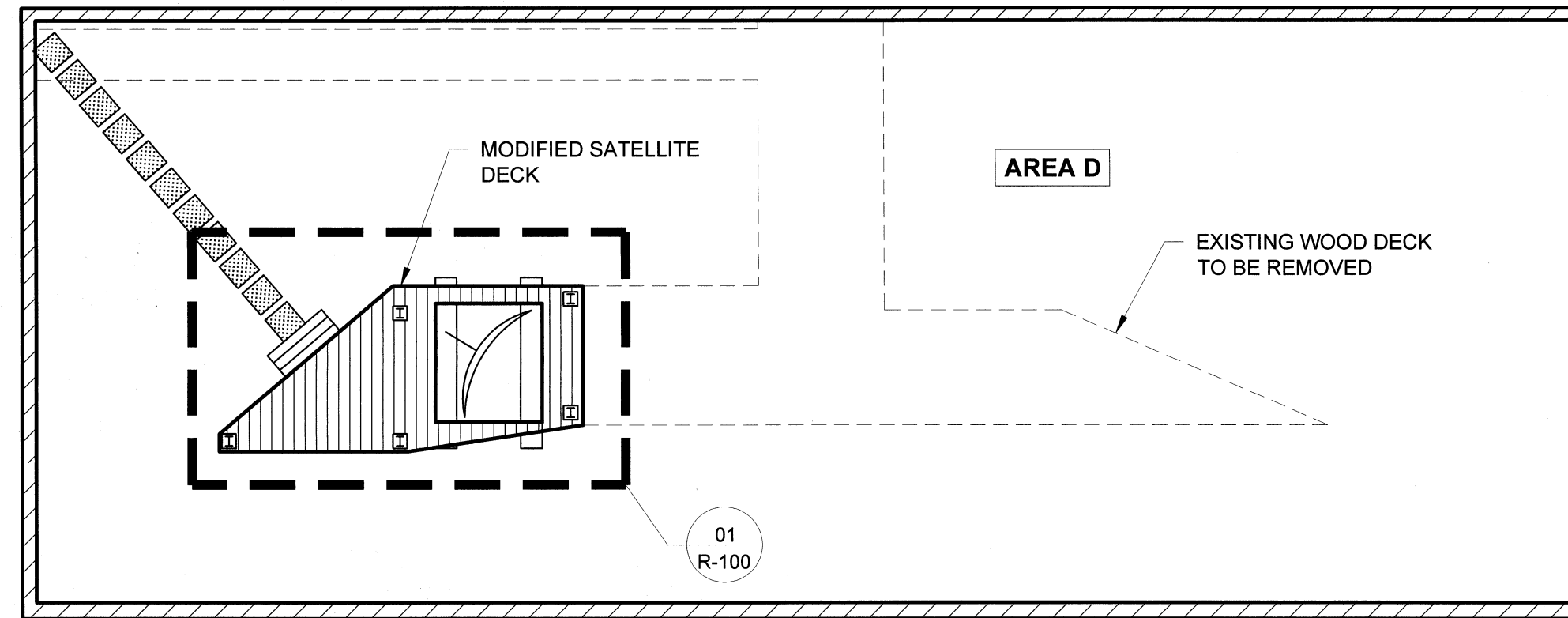
No.	DATE	DESCRIPTION
No.1	06.01.15	ADDENDUM No.1



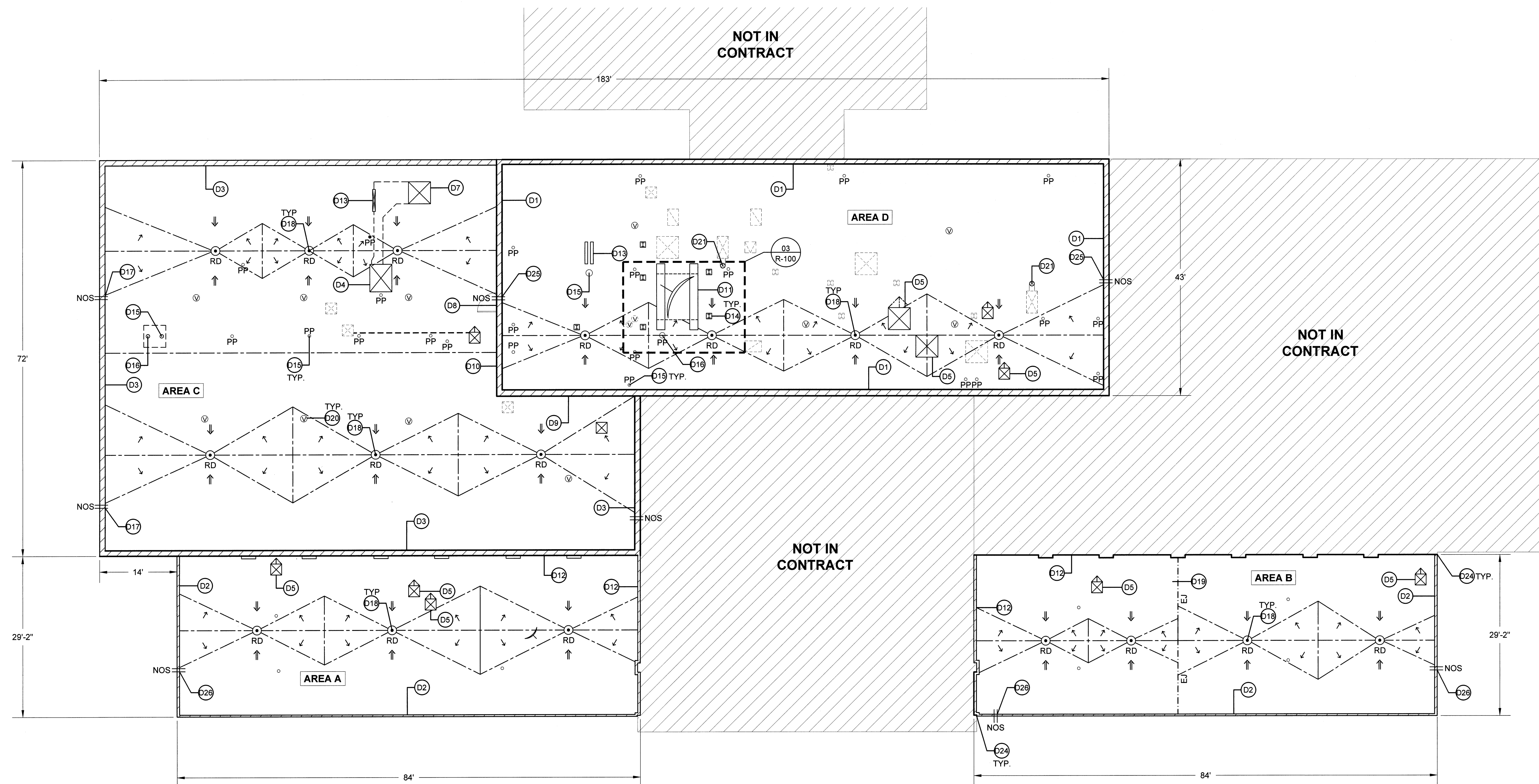
01 ENLARGED PLAN OF SATELLITE DECK
SCALE: 3/16"=1'-0"



02 GUARDRAIL DETAIL
SCALE: NTS



03 ENLARGED ROOF PLAN OF AREA D
SCALE: 3/32"=1'-0"



04 ROOF PLAN
SCALE: 3/32"=1'-0"

LEGEND

- EXISTING VENTILATION DUCT
- RD NEW ROOF DRAIN
- OS OVERFLOW SCUPPER
- PARAPET
- SLEEPER
- MECHANICAL UNIT
- TAPERED INSULATION
- CRICKET INSULATION SLOPE
- TAPERED INSULATION SLOPE
- SATELLITE
- PP PIPE PENETRATION
- ROOF DETAIL FLAGS
- EXPANSION JOINT
- VENTILATION UNIT
- SKYLIGHT
- ROOF HATCH
- EXISTING STRUCTURAL BEAM TO REMAIN
- TO BE REMOVED
- NOT IN CONTRACT

CODE SUMMARY

SOUTH CAROLINA BUILDING CODE (2012 EDITION) AND ASCE 7-05

BASIC WIND SPEED = 120 MPH
CATEGORY = III
EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEF. = +/- .18

THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:

1. INTERIOR ZONE = -60.41 PSF
2. EDGE ZONE = -98.65 PSF
3. CORNER ZONE = -129.25 PSF

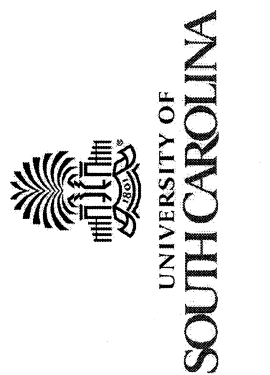
STAFFORD CONSULTING ENGINEERS
A **terracotta** COMPANY
Building Enclosure Systems Specialists

2020 STARITA ROAD SUITE-E
CHARLOTTE, NORTH CAROLINA
P: 704.594.8940 F: 704.509.1888

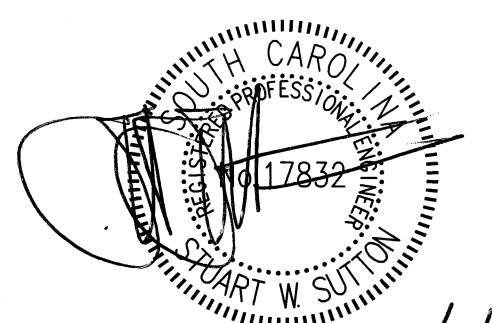
RALEIGH CHARLOTTE JACKSONVILLE

PROJECT NAME AND ADDRESS:

UNIVERSITY OF SOUTH CAROLINA
USC JONES PSC ROOF REPLACEMENT PROJECT
701 MAIN ST.
COLUMBIA, SC 29208



ENGINEER STATE LICENSE SEAL



ISSUE DATE:

JUNE 1, 2015

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- ☐ ADDENDUM SUBMITTAL
- ☐ RECORD DRAWINGS

PROJECT TEAM:

DESIGNED BY:

KRC

DRAWN BY:

EGM II

APPROVED BY:

VTN

PROJECT NUMBER:

FH146903

REVISIONS:

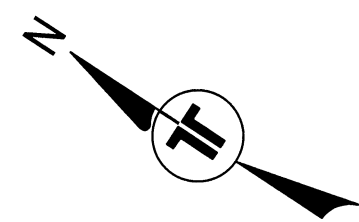
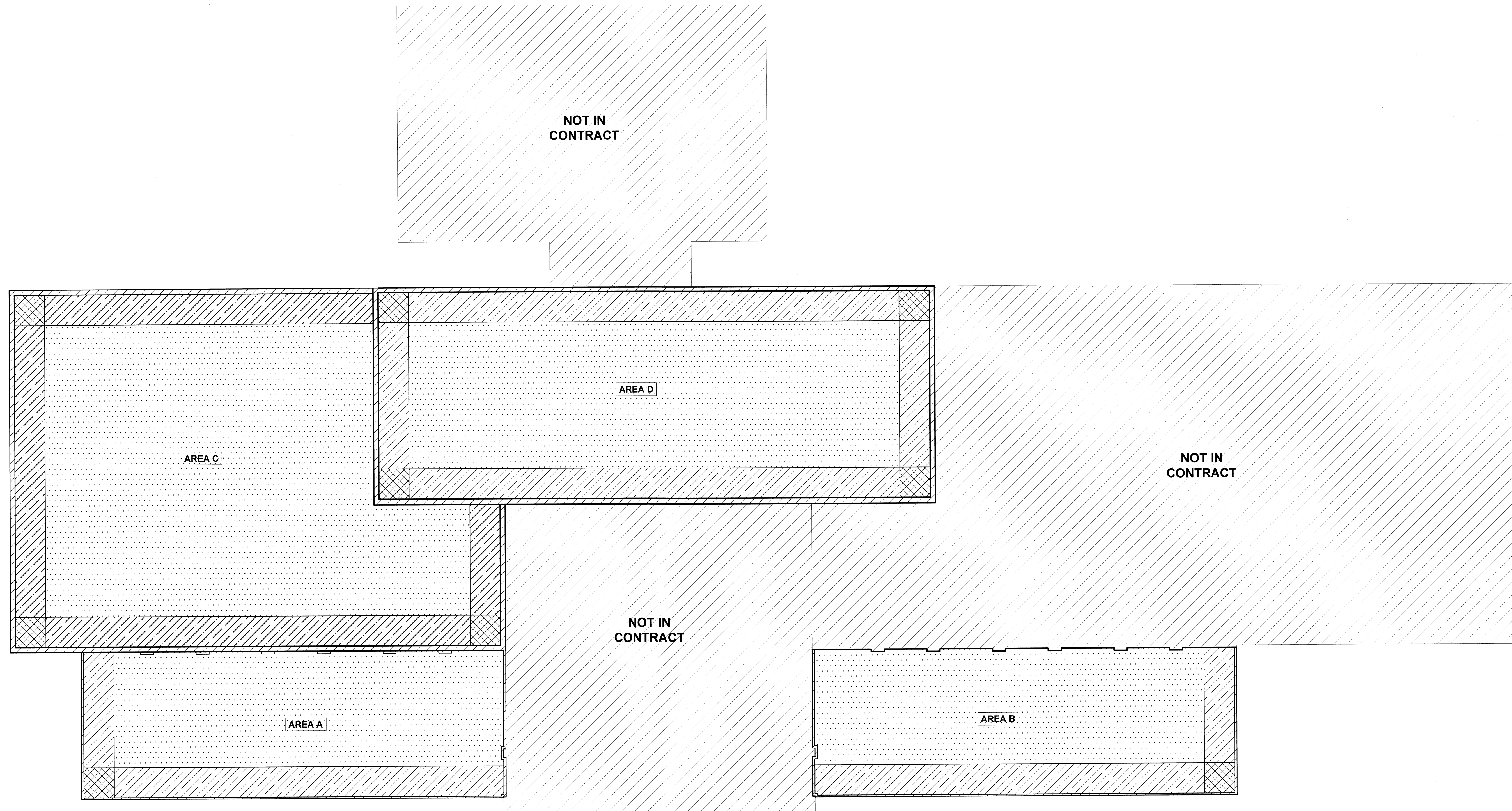
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TITLE SHEET:

ROOF PLAN

SHEET NUMBER:

R-100



01

ROOF PLAN: FIELD, CORNER AND PERIMETER
SCALE: 3/32"=1'-0"
0 2' 4' 6' 10' 14'

LEGEND

CORNER AREA

FIELD AREA

STAFFORD
CONSULTING
ENGINEERS

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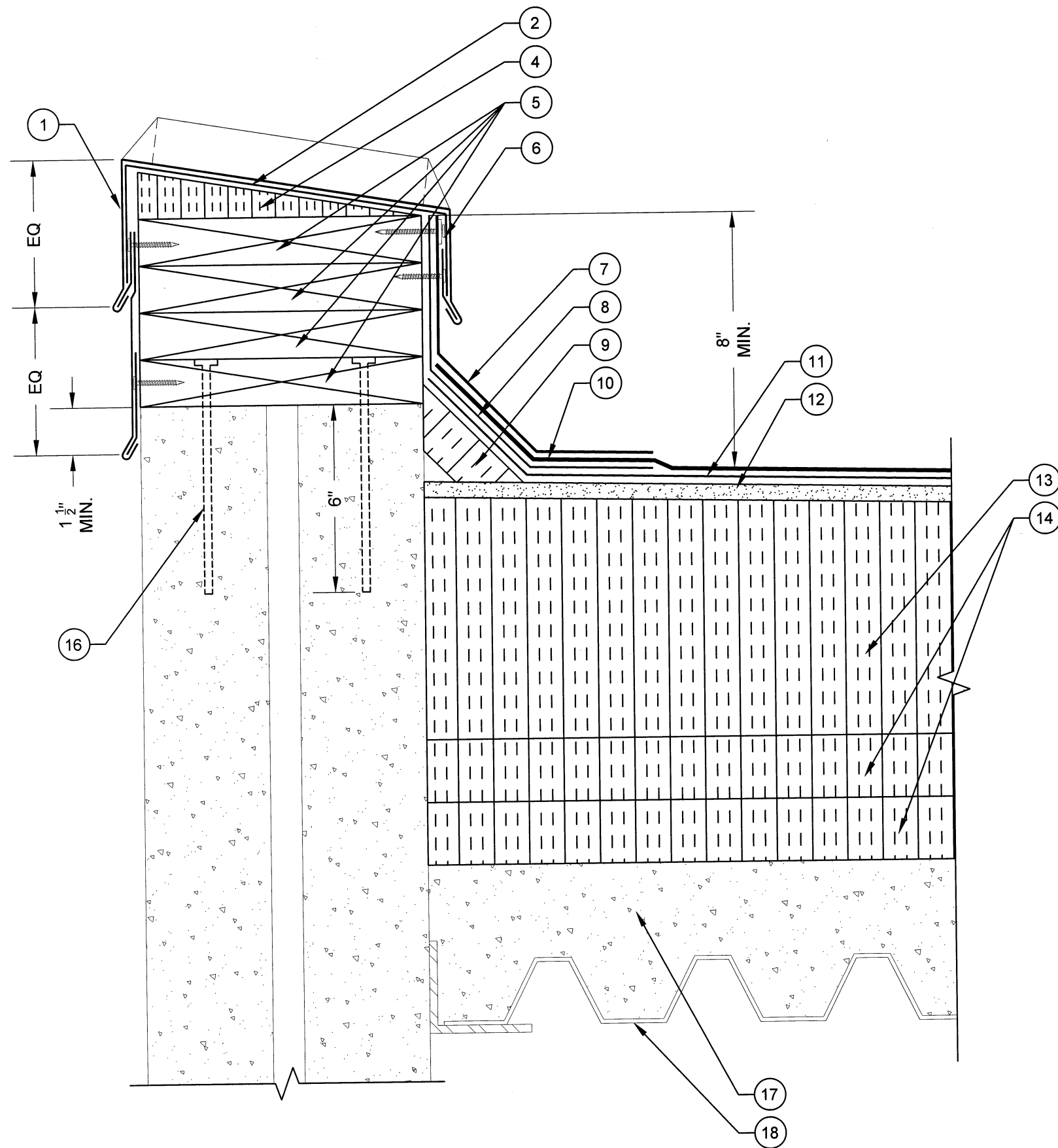
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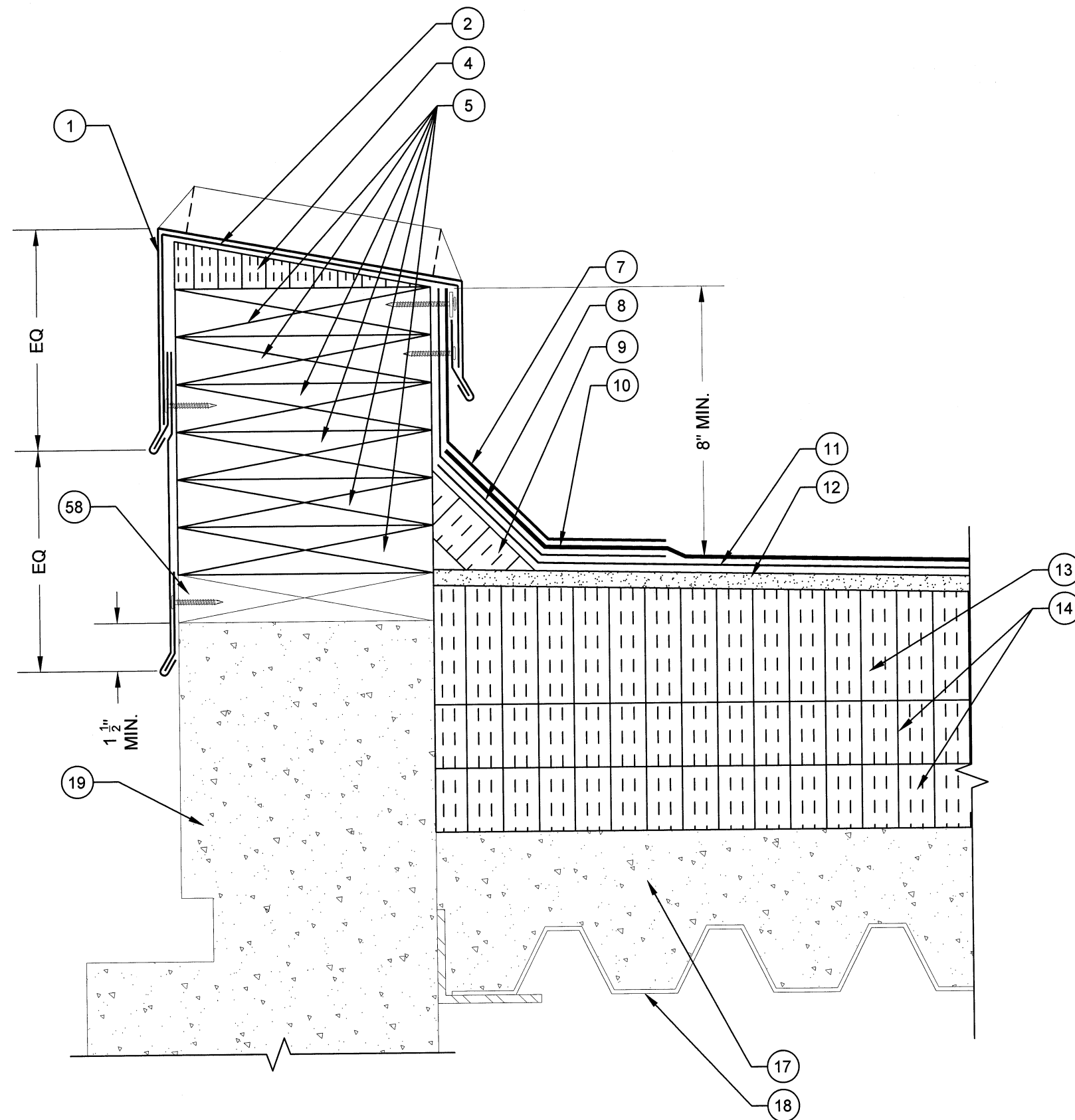
ROOF PLAN:
FIELD, CORNER AND PERIMETER

SHEET NUMBER:

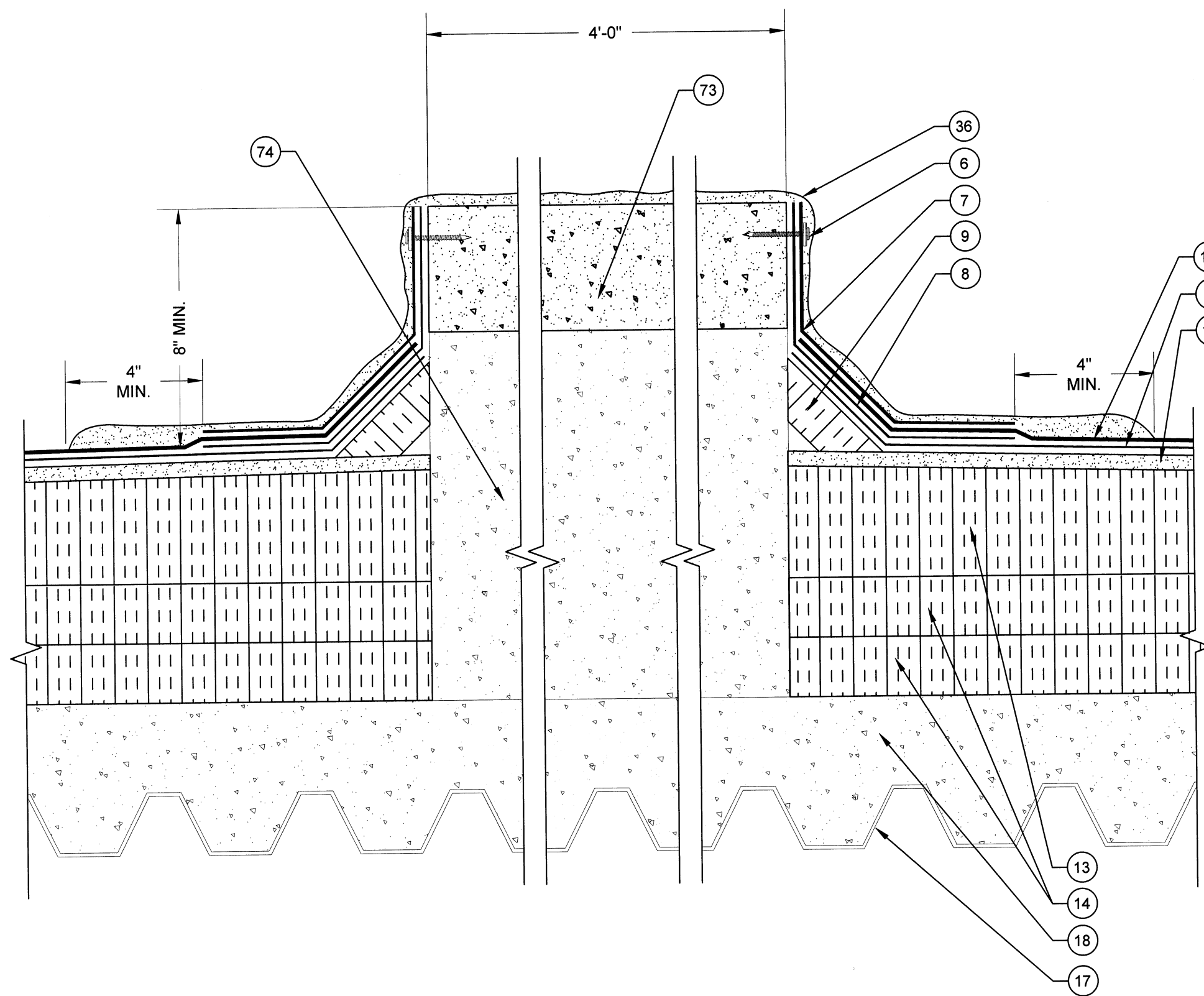
R-101



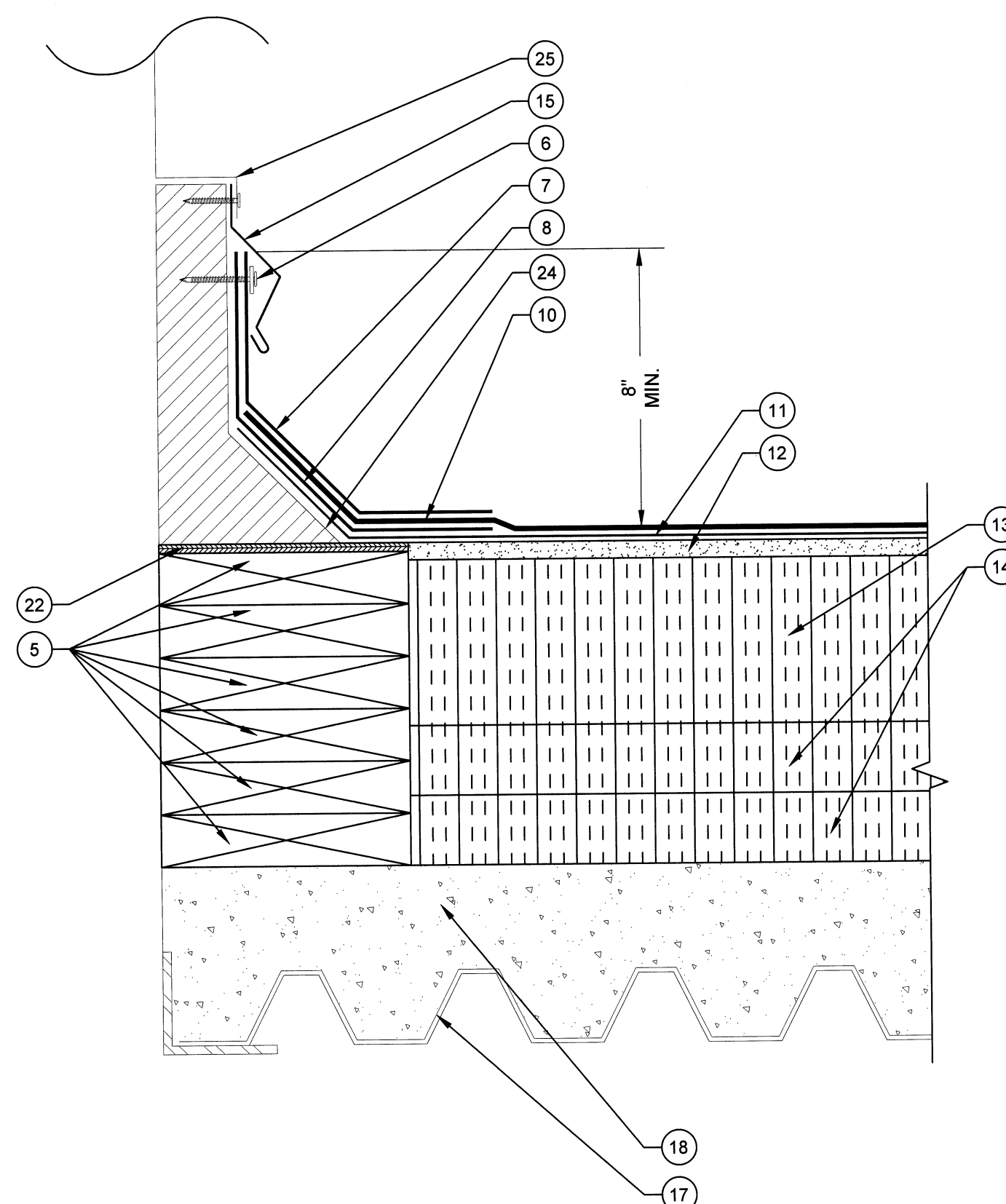
D1 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



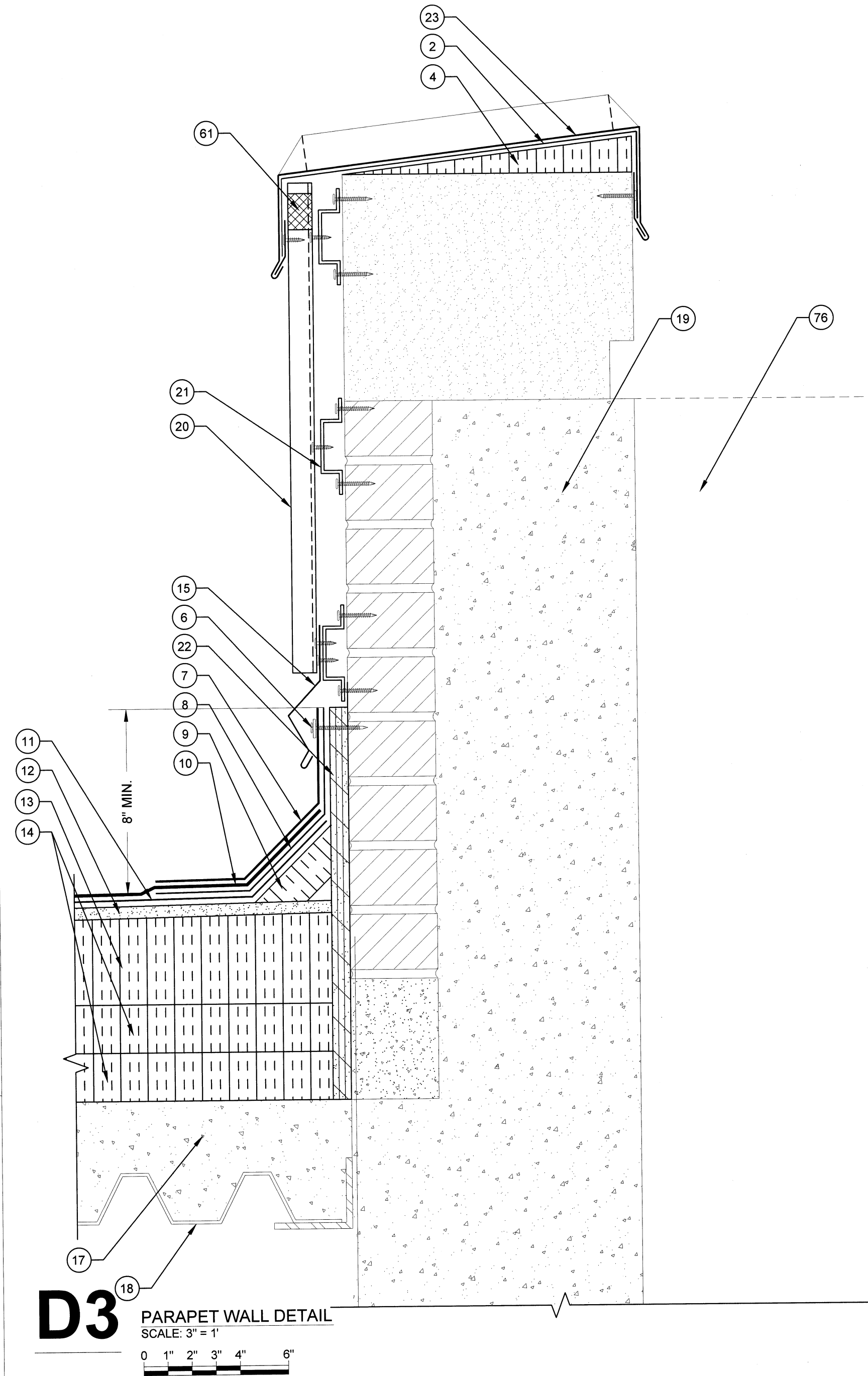
D2 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D4 EQUIPMENT CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D5 ROOF CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

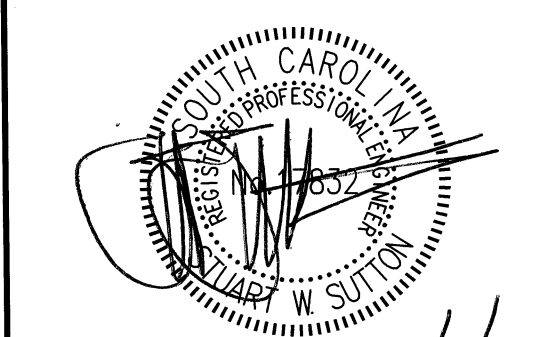


D3 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

D6 NOT IN USE
SCALE: NTS

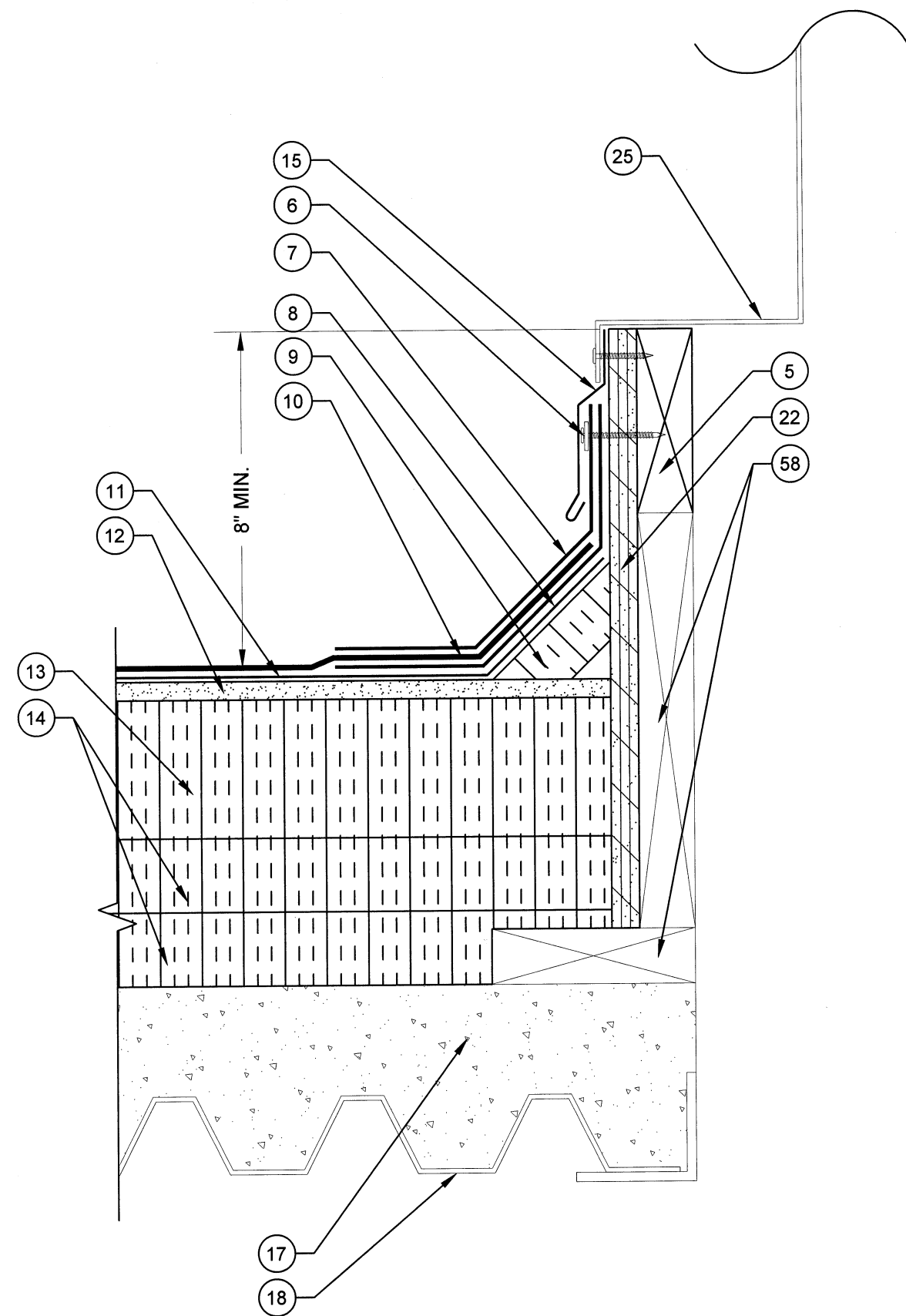
LEGEND

1. NEW TWO PIECE COPING CAP WITH CONTINUOUS CLEAT
2. NEW SELF-ADHERING MEMBRANE
3. NEW STRIPPING PLY
4. NEW TAPERED EDGE STRIP
5. NEW WOOD BLOCKING
6. NEW TERMINATION BAR AND SEALANT
7. NEW BASE FLASHING
8. NEW BACKER PLY
9. NEW CANT STRIP
10. NEW CAP SHEET
11. NEW BASE PLY
12. NEW COVER BOARD
13. NEW TAPERED INSULATION
14. NEW BASE INSULATION (2" LAYERS)
15. NEW METAL COUNTER FLASHING
16. THREADED ROD WITH EPOXY
17. EXISTING CONCRETE DECK
18. EXISTING METAL DECK
19. EXISTING BUILDING STRUCTURE
20. NEW METAL WALL PANEL
21. NEW HAT CHANNEL
22. NEW PLYWOOD
23. NEW METAL COPING CAP WITH CONTINUOUS CLEAT
24. EXISTING CURB (WITH BUILT-IN CANT)
25. EXISTING CURB COVER
26. EXISTING ROOF HATCH
27. NEW STAINLESS STEEL COUNTER FLASHING WITH RECEIVER
28. NEW BRICK (TO MATCH EXISTING)
29. NEW WEEPS (OMIT MORTAR AT HEAD JOINTS)
30. NEW FLEXIBLE COPPER FLASHING
31. NEW SEALANT
32. NEW STAINLESS STEEL COUNTER FLASHING IN NEW REGLET, LEAD WEDGE AND SEALANT
33. EXISTING PRECAST PANEL
34. EXISTING STUCCO
35. EXISTING FLASHING
36. NEW LIQUID APPLIED FLASHING WITH REINFORCEMENT
37. EXISTING CONCRETE CAP
38. EXISTING CONCRETE CURB
39. EXISTING I-BEAM
40. EXISTING CONCRETE STRUCTURE
41. NEW SURFACE MOUNTED COUNTER FLASHING
42. NEW SLEEPER COVER
43. EXISTING METAL SLEEPER
44. NEW PIPE CAP
45. NEW ROOF DRAIN
46. NEW DRAIN EXTENSION
47. NEW DRAIN SUMP
48. EXISTING PIPE PENETRATION
49. NEW INSULATION INFILL
50. NEW STAIR STRINGER
51. NEW OVERFLOW SCUPPER LINER
52. NEW METAL FACE PLATE
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60. NEW WALK PADS
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64. EXISTING GOOSE NECK
65. NEW METAL DECK PAINTED ON INTERIOR TO MATCH EXISTING
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67. NEW 2" x 3" 20 ga. CLIPS (4)
68. NEW 3/4" CONCRETE LAG
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76. EXISTING PRE CAST CONCRETE (BEYOND)
77. NEW BRACKET
78. NEW COPING CAP WITH CONTINUOUS CLEAT
79. EXISTING VENTILATION DUCT

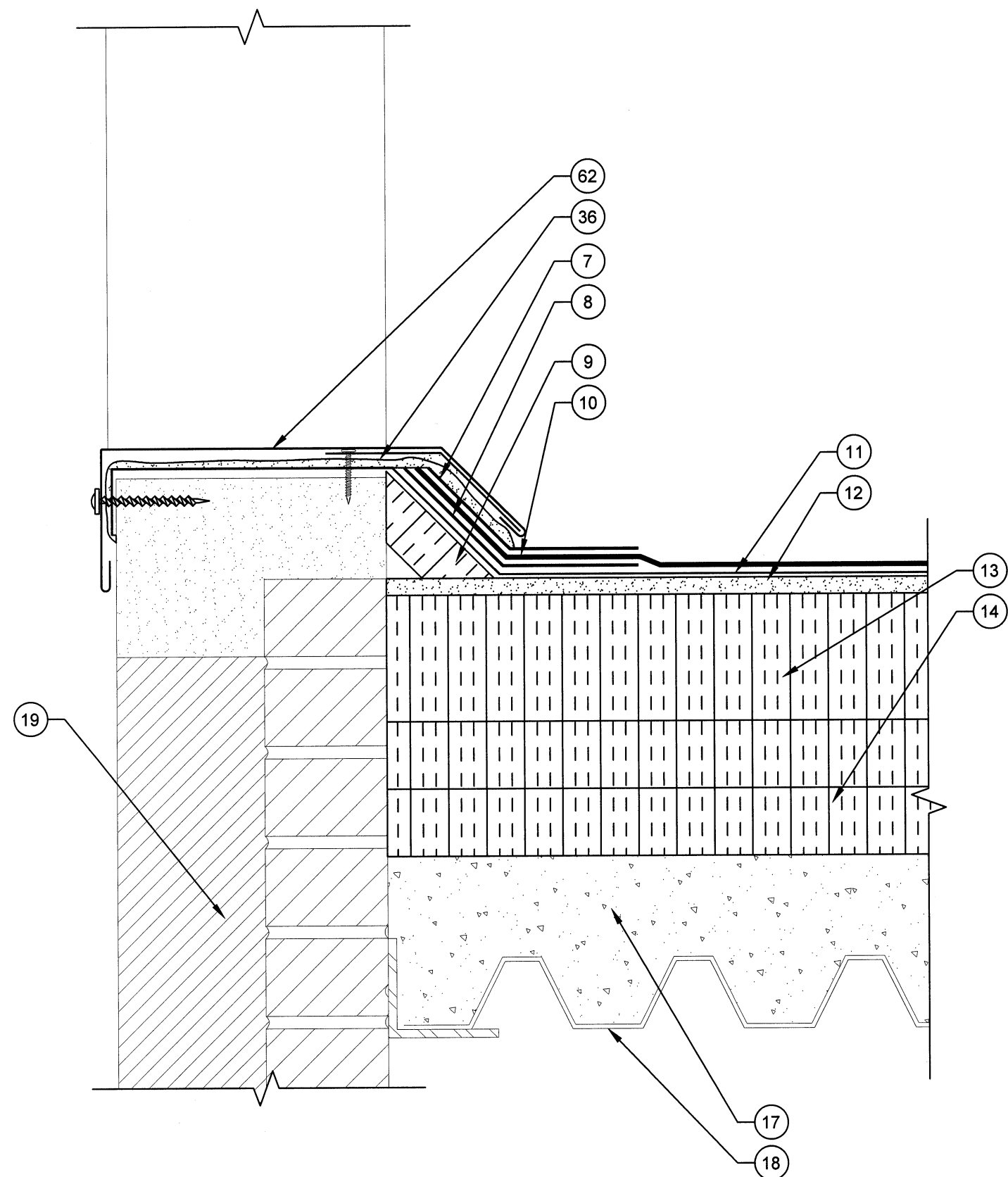


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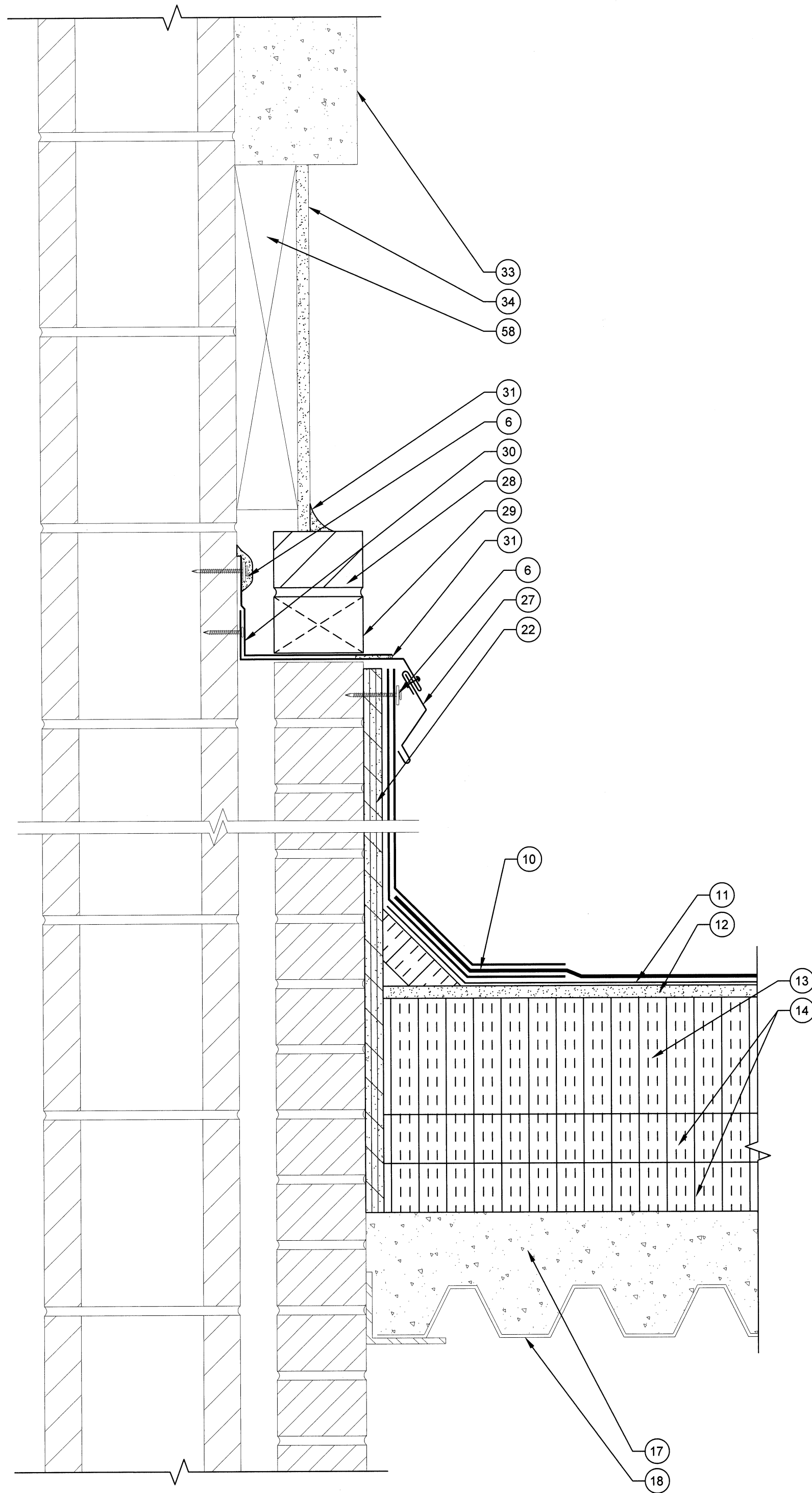
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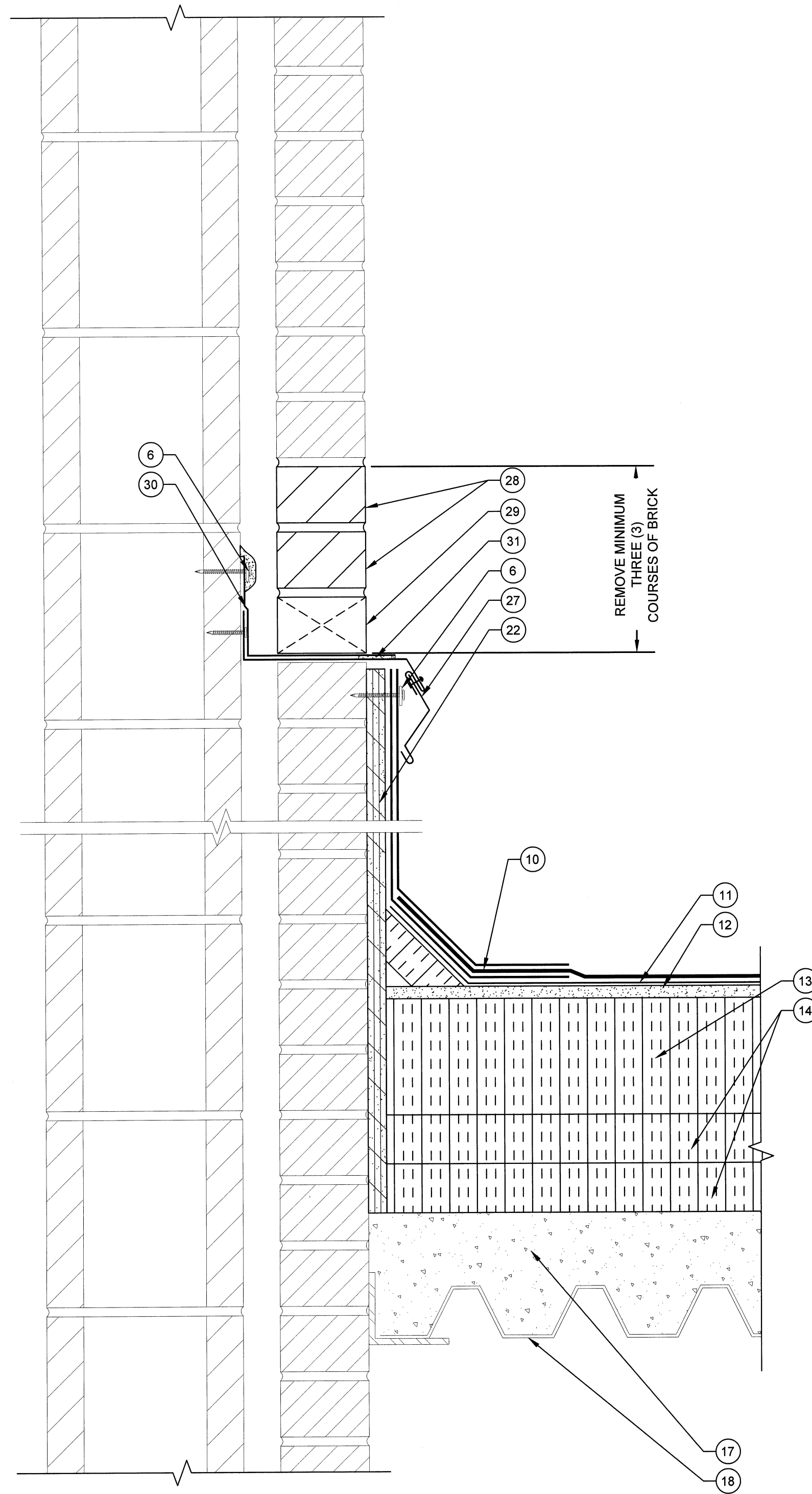
D7 ROOF CURB DETAIL
SCALE: 3" = 1"



D8 DOOR THRESHOLD DETAIL
SCALE: 3" = 1"



D9 WALL FLASHING DETAIL
SCALE: 3" = 1"



D10 WALL FLASHING DETAIL
SCALE: 3" = 1"

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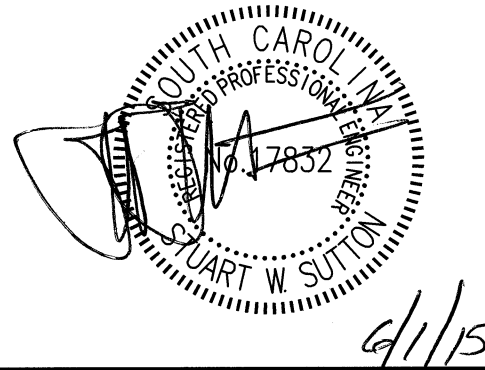
**STAFFORD CONSULTING ENGINEERS**
A Terracon COMPANY
Building Enclosure Systems Specialists

2020 STARITA ROAD SUITE-E
CHARLOTTE, NORTH CAROLINA
p. 704.594.8940 f. 704.509.1888

RALEIGH · CHARLOTTE · JACKSONVILLE

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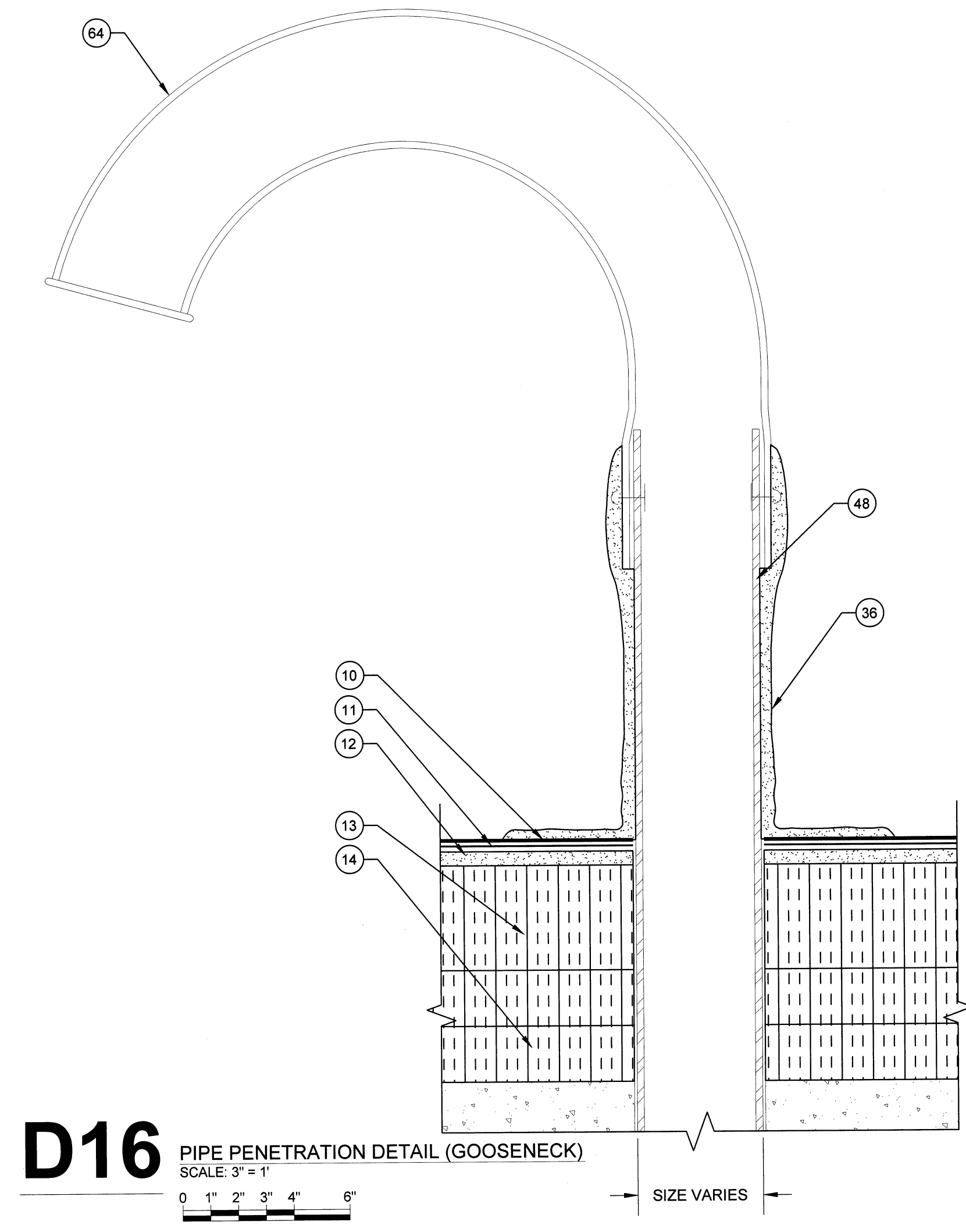
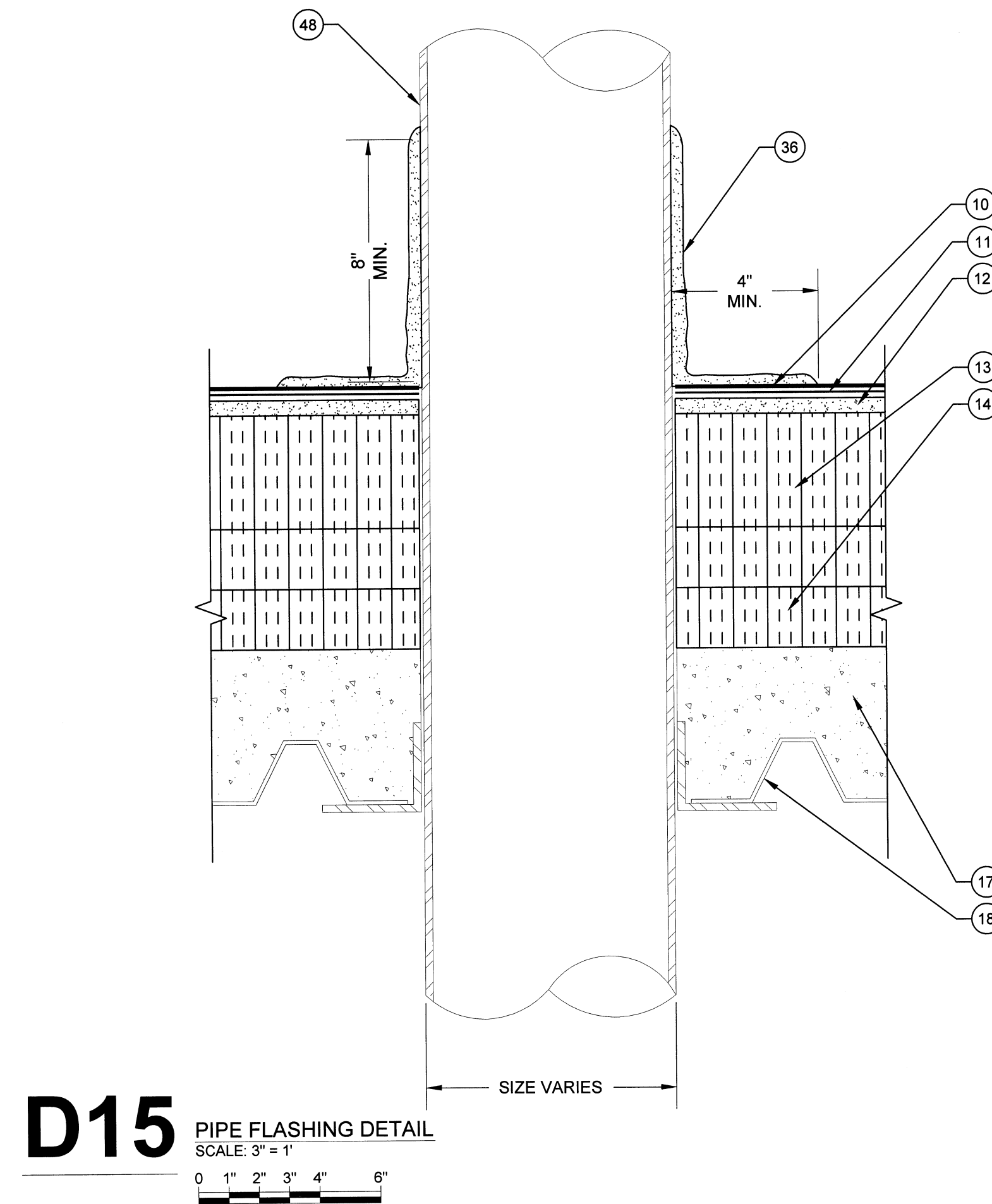
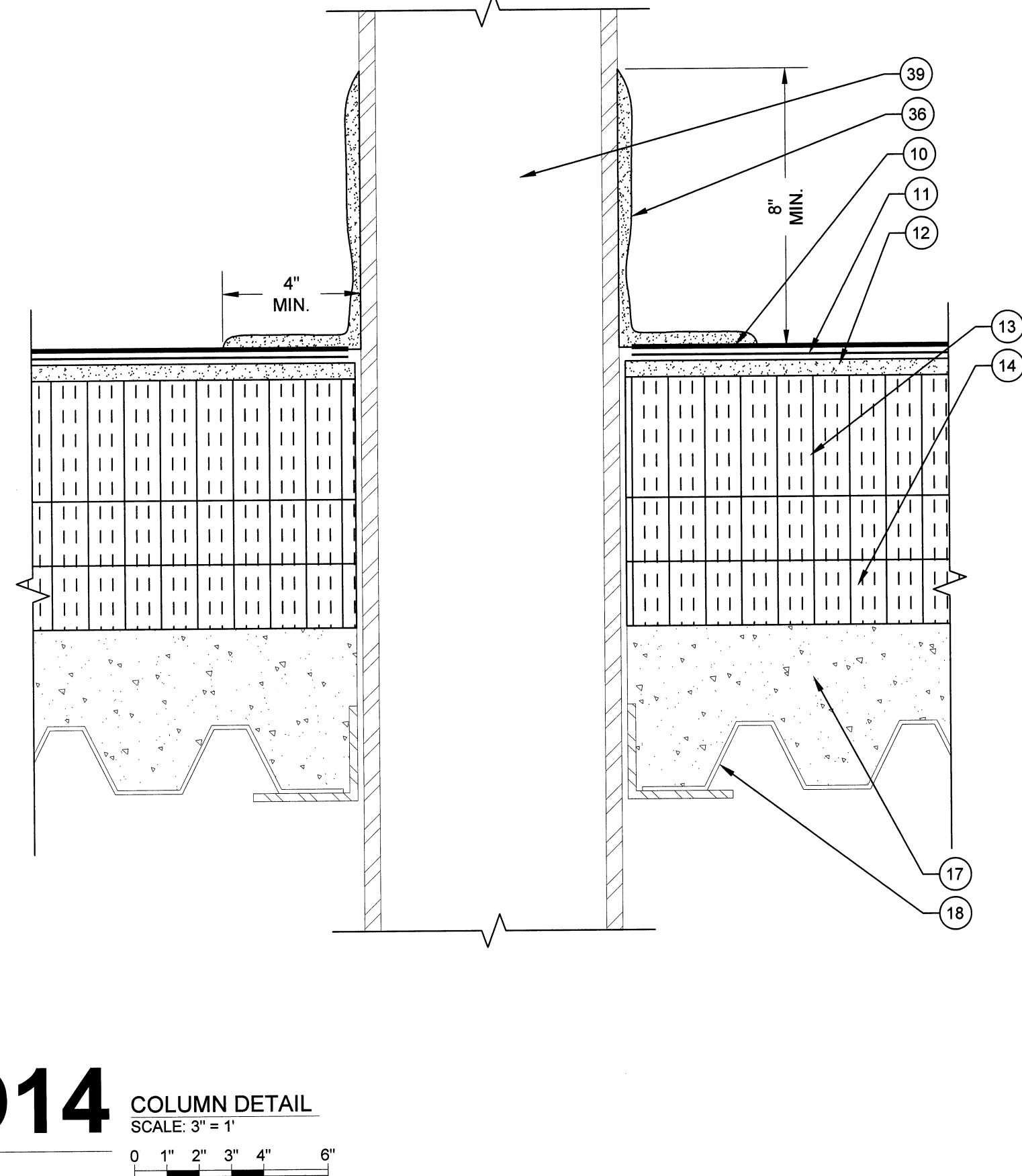
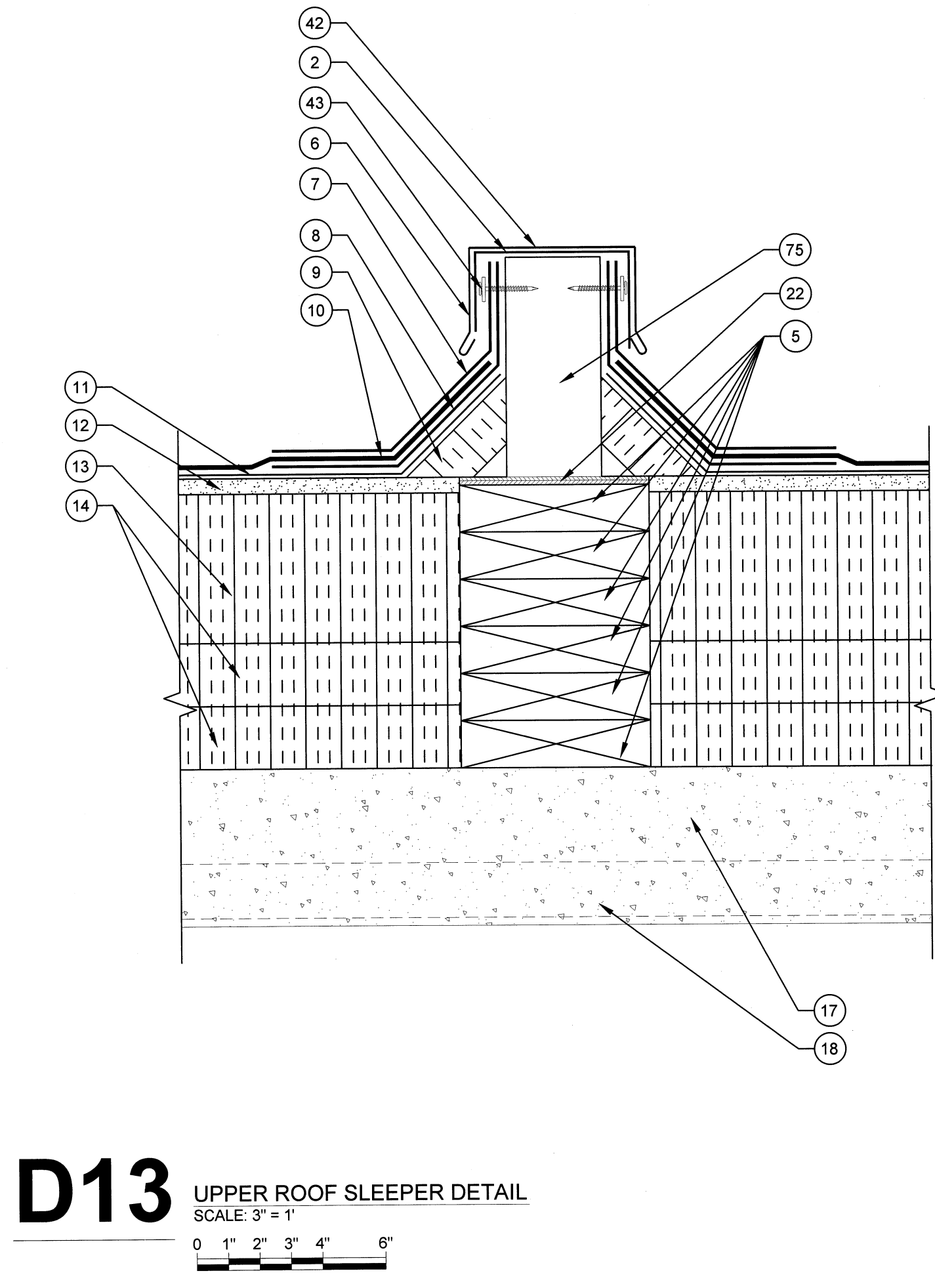
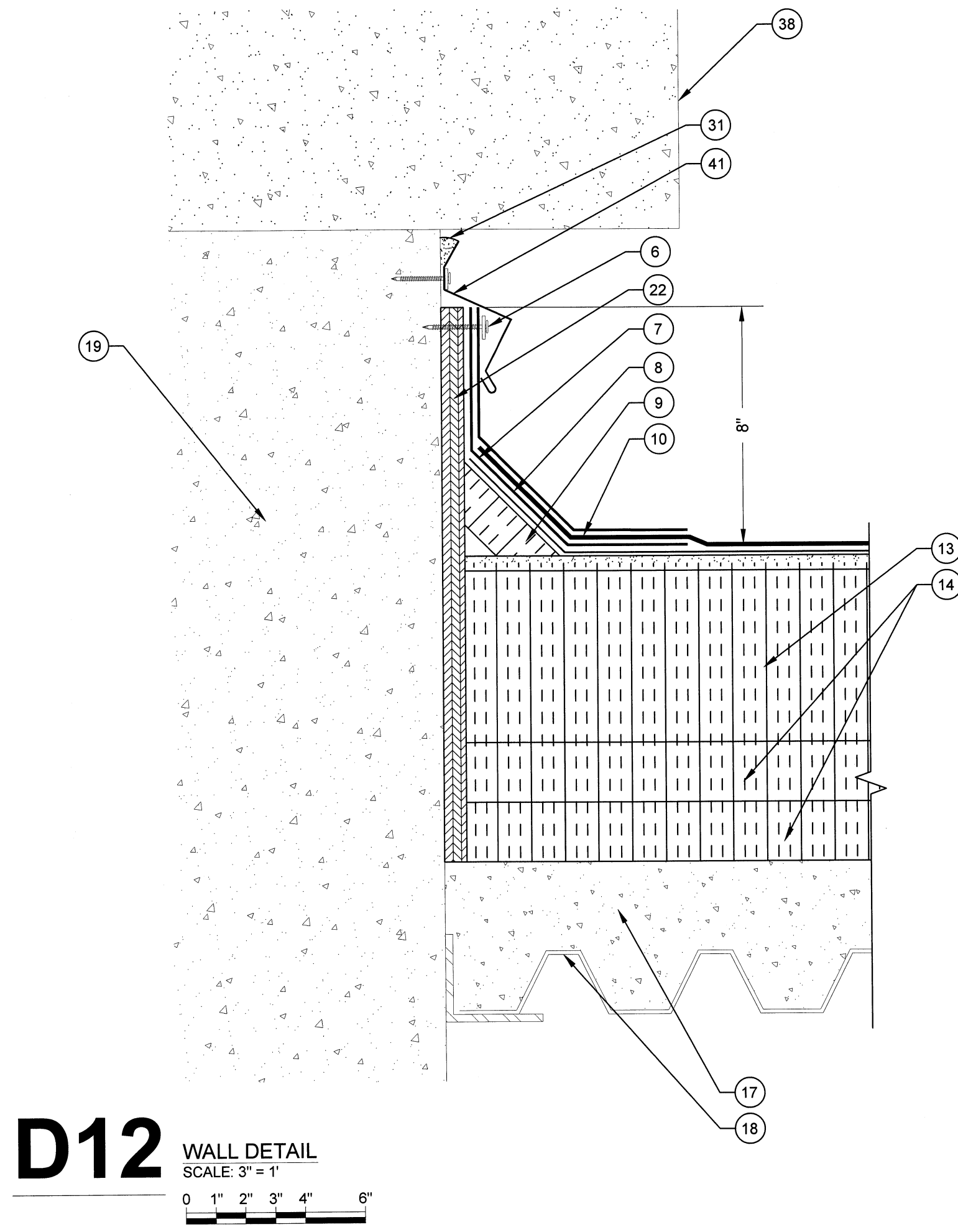
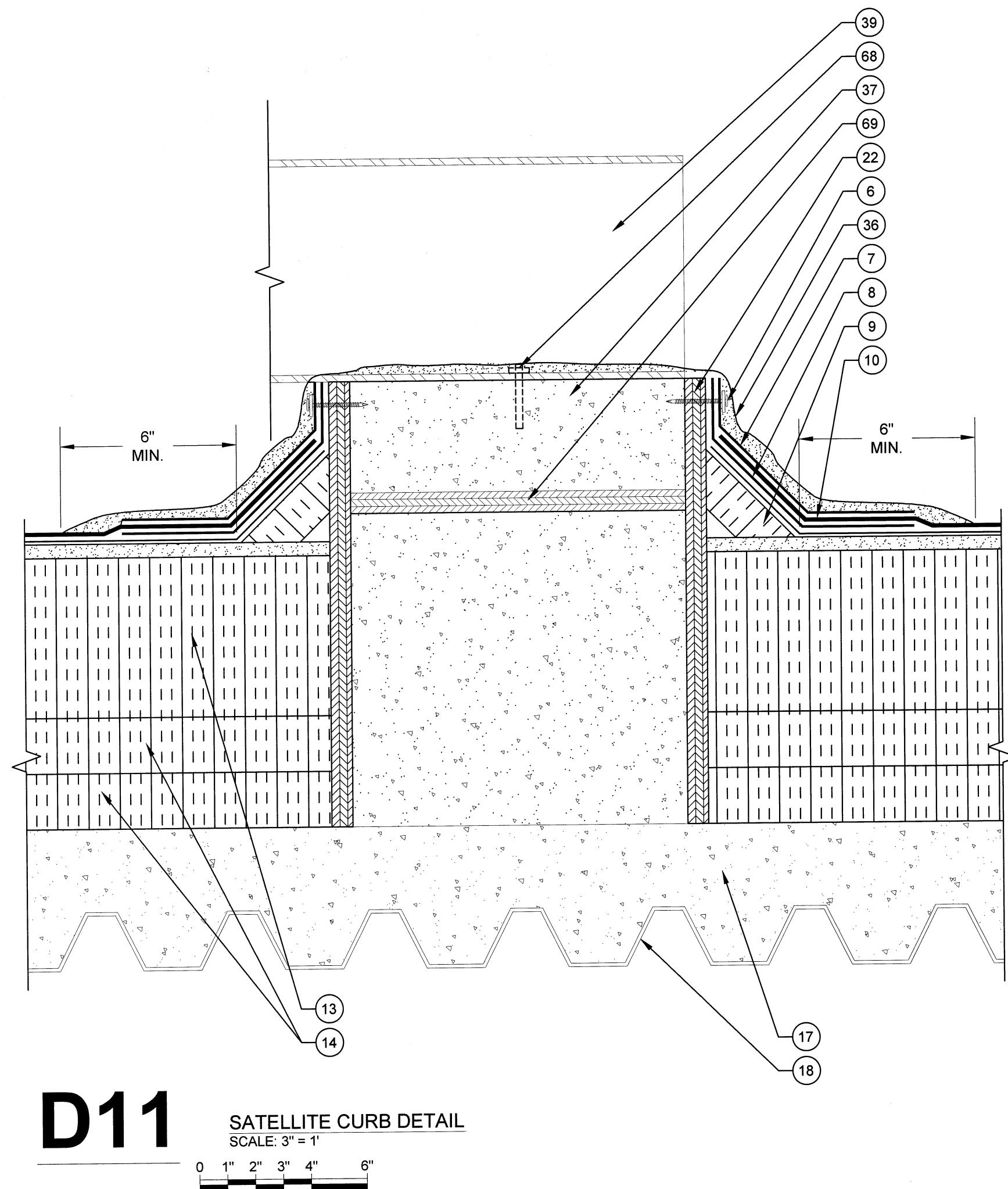
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TITLE SHEET:
ROOF DETAILS

SHEET NUMBER:
R-201



LEGEND

- NEW TWO PIECE COPING CAP WITH CONTINUOUS CLEAT
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DESIGNED BY: **KRC**

DRAWN BY: **EGM II**

APPROVED BY: **VTN**

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REVISIONS:

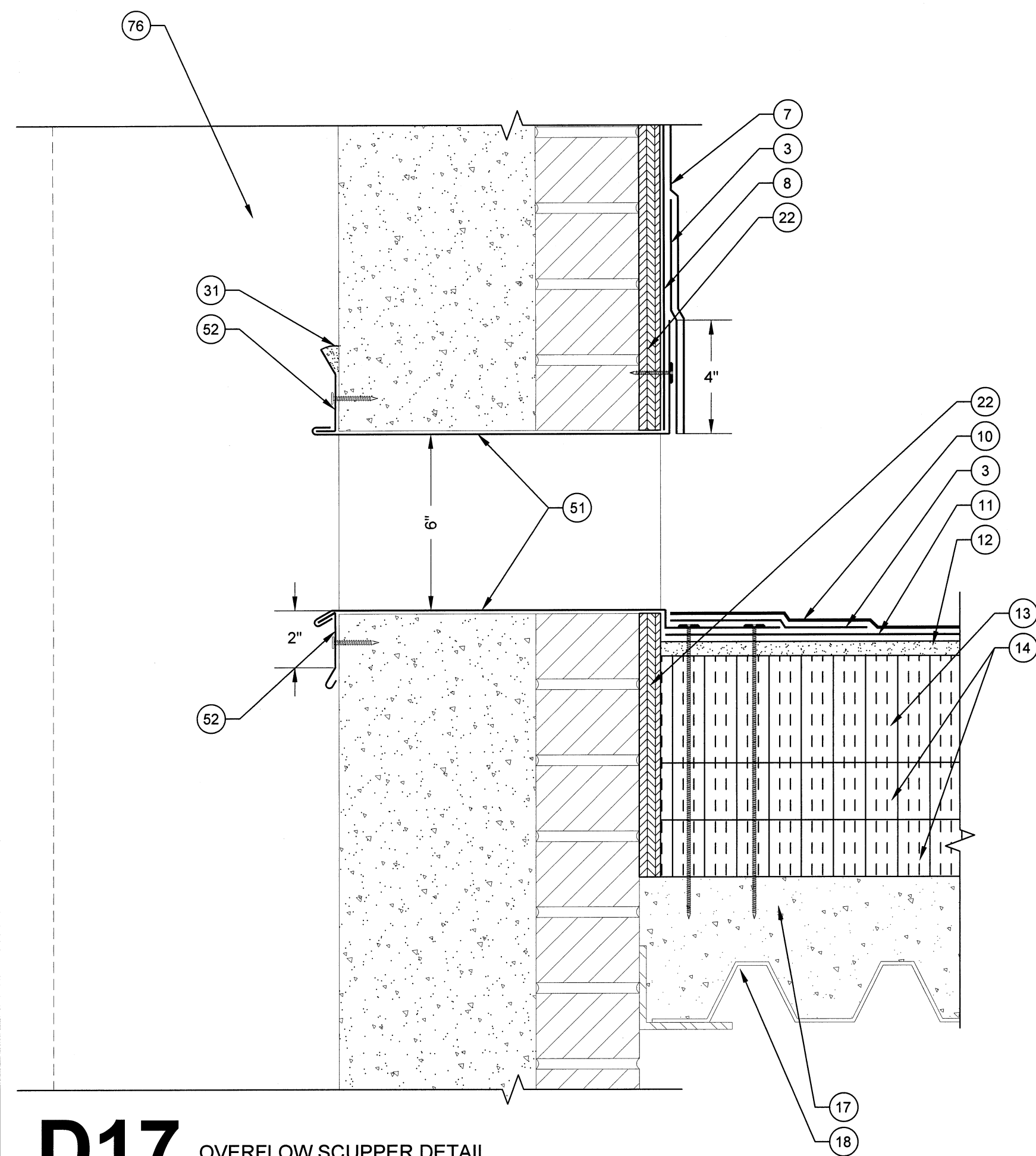
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No.1	06.01.15	ADDENDUM No.1

TITLE SHEET:

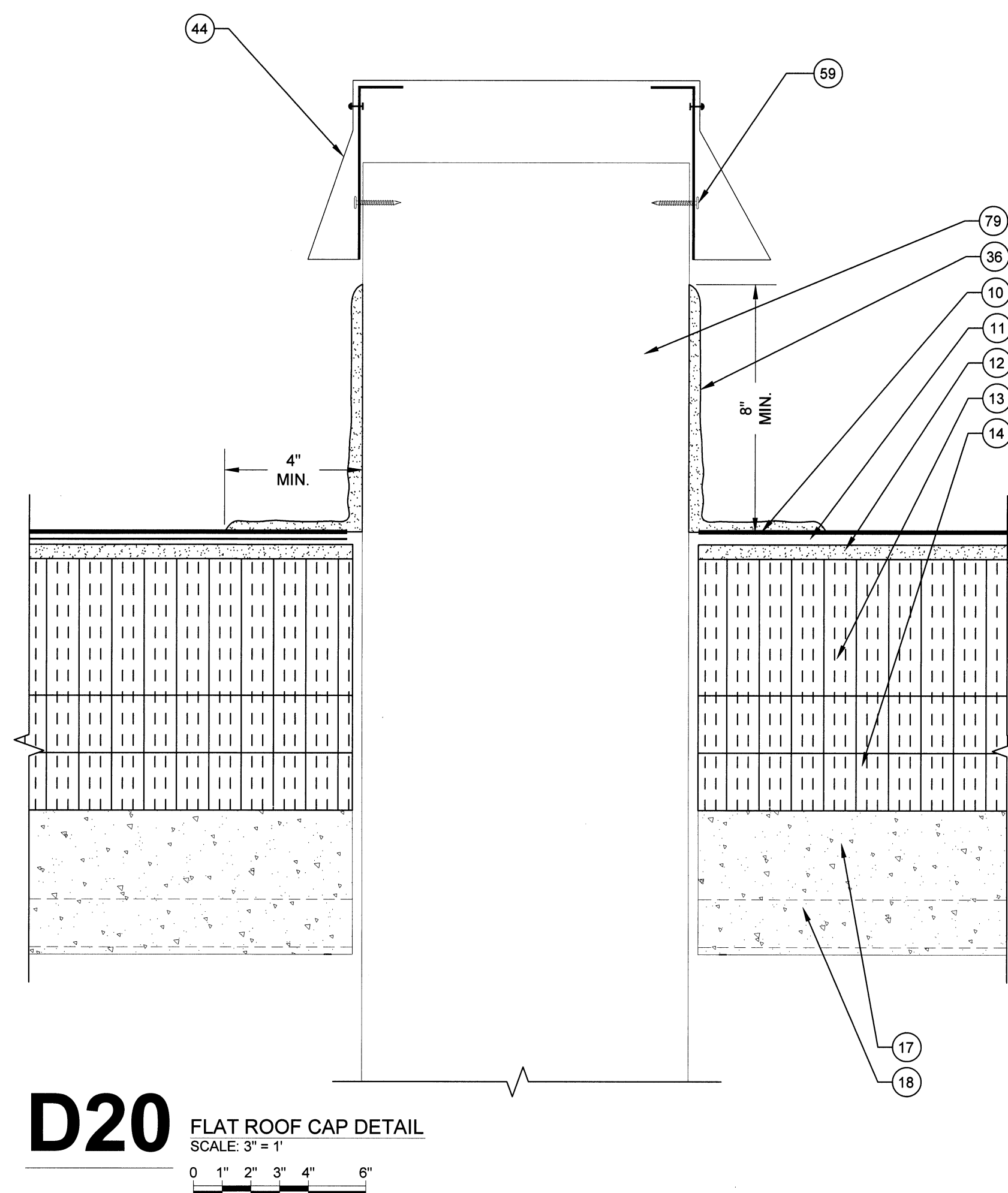
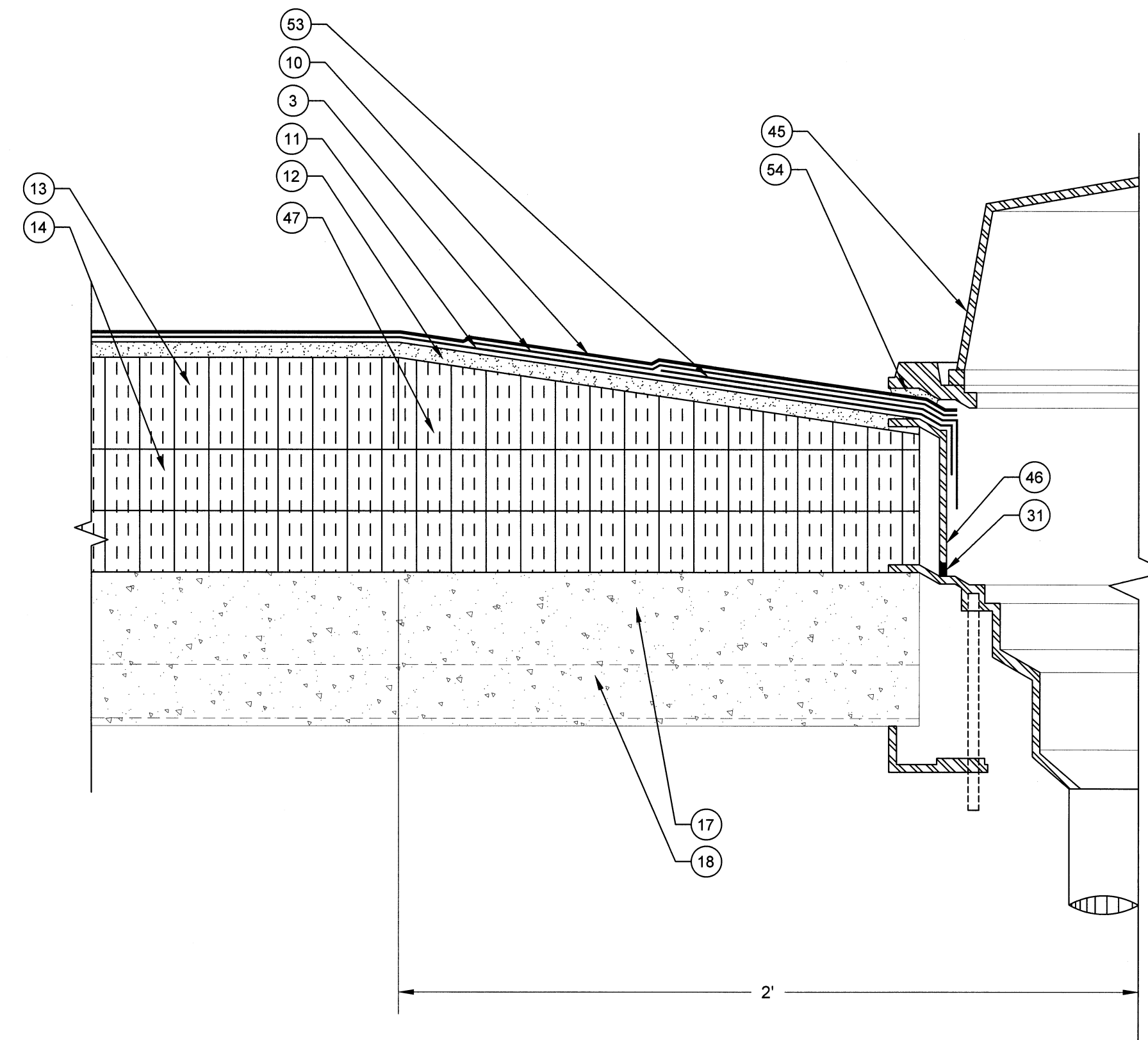
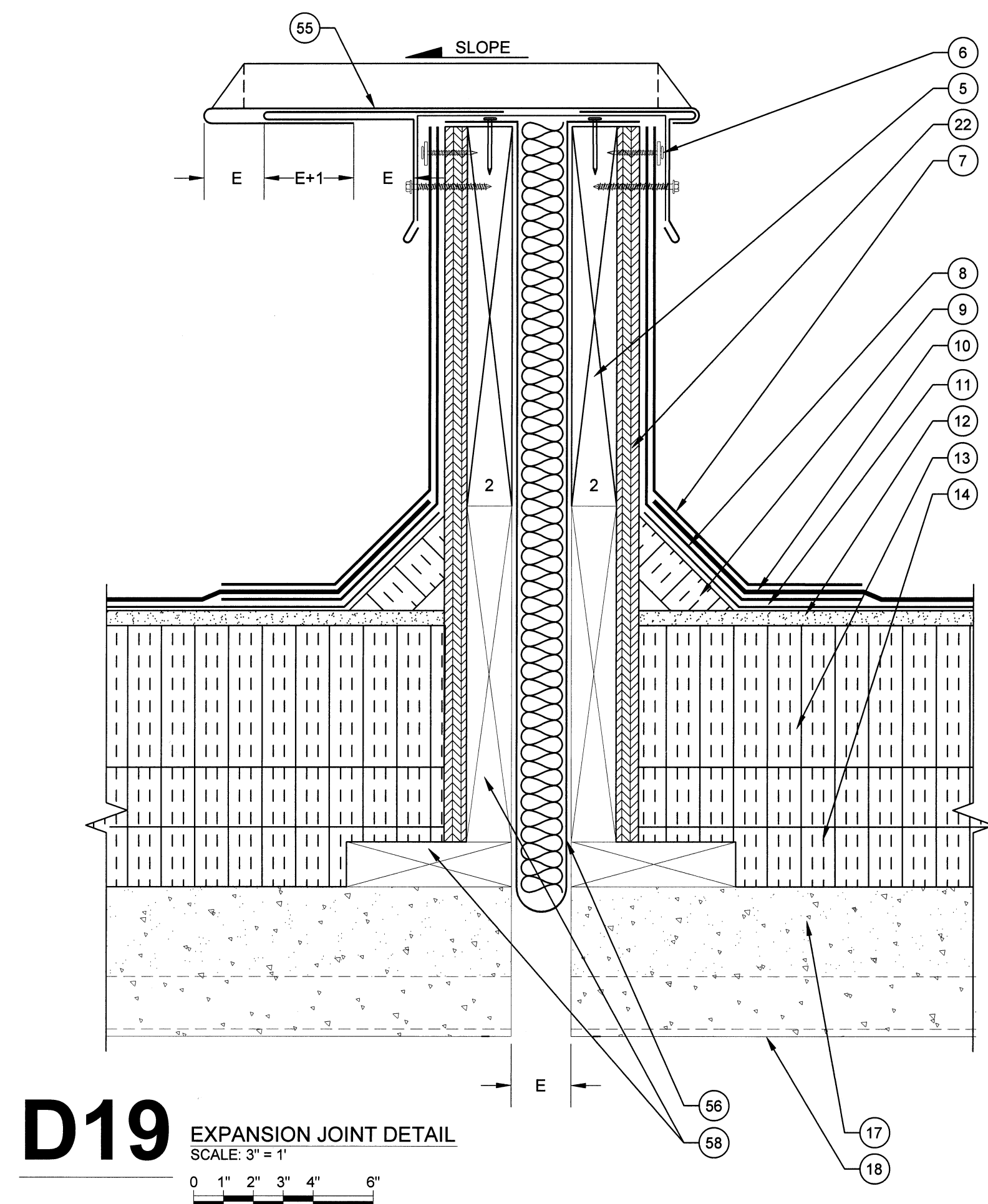
ROOF DETAILS

SHEET NUMBER:

R-202

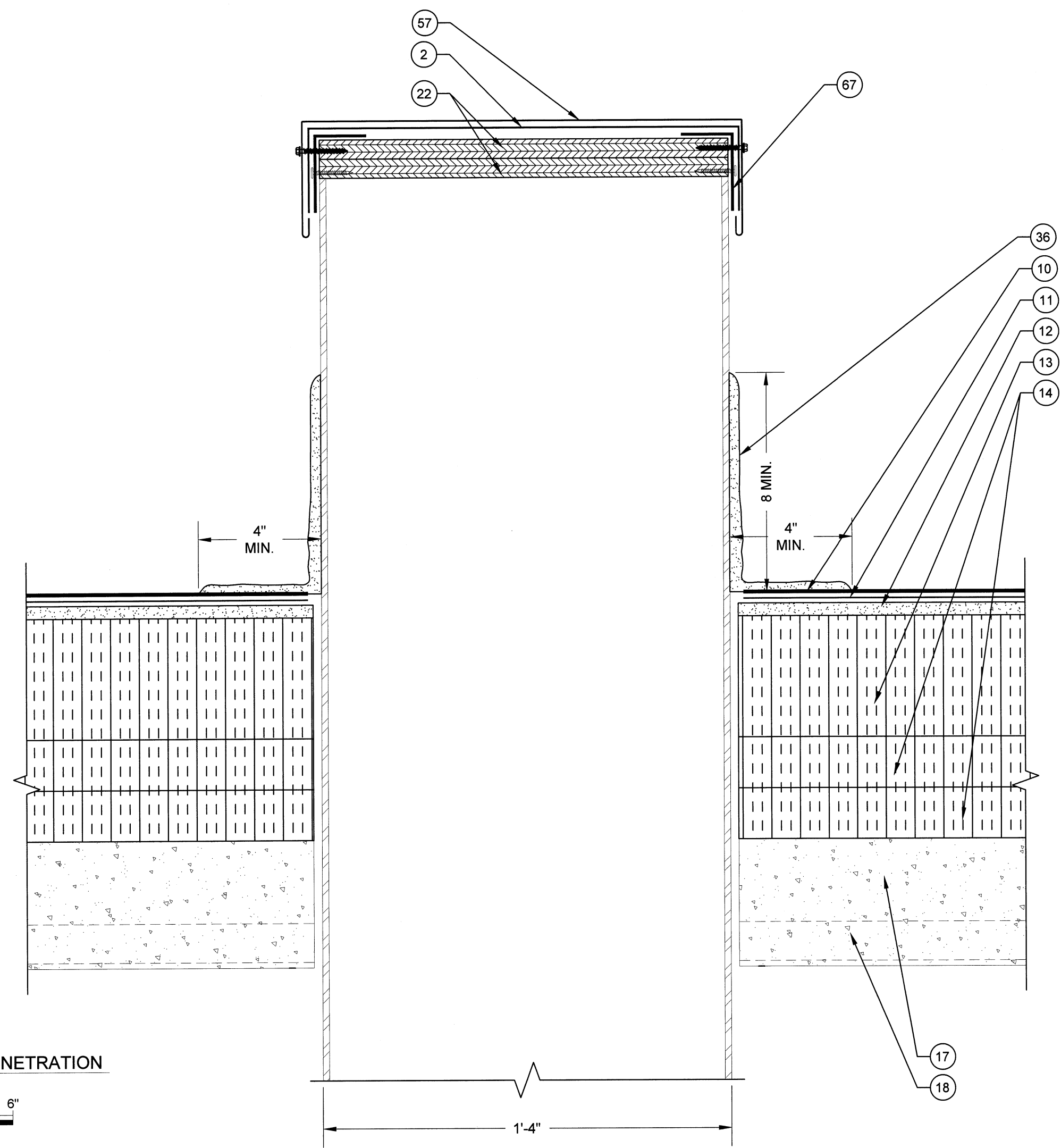


**NOTE: SLOPE IN EXPANSION JOINT
COVER NOT SHOWN FOR CLARITY**

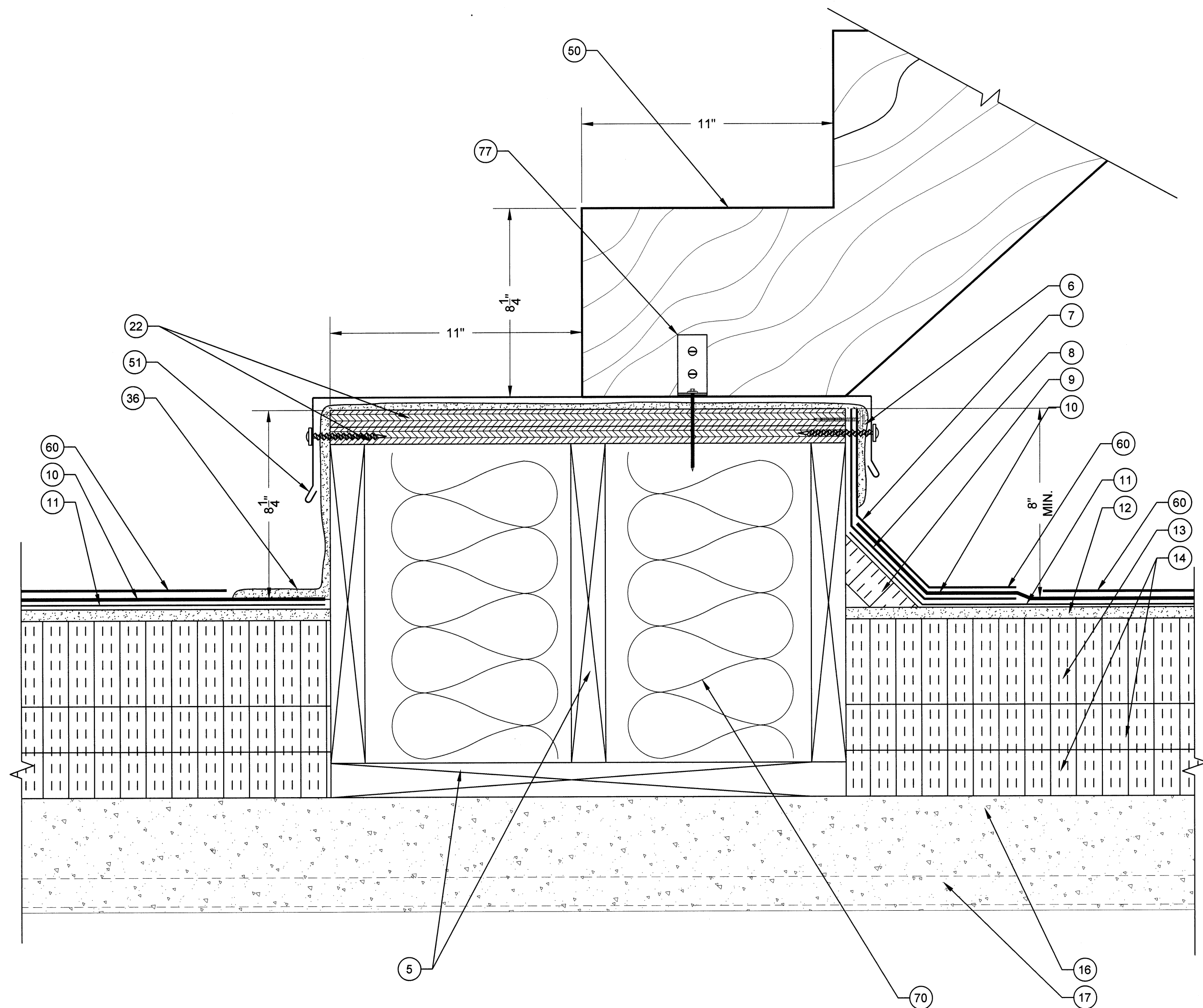


- ### LEGEND

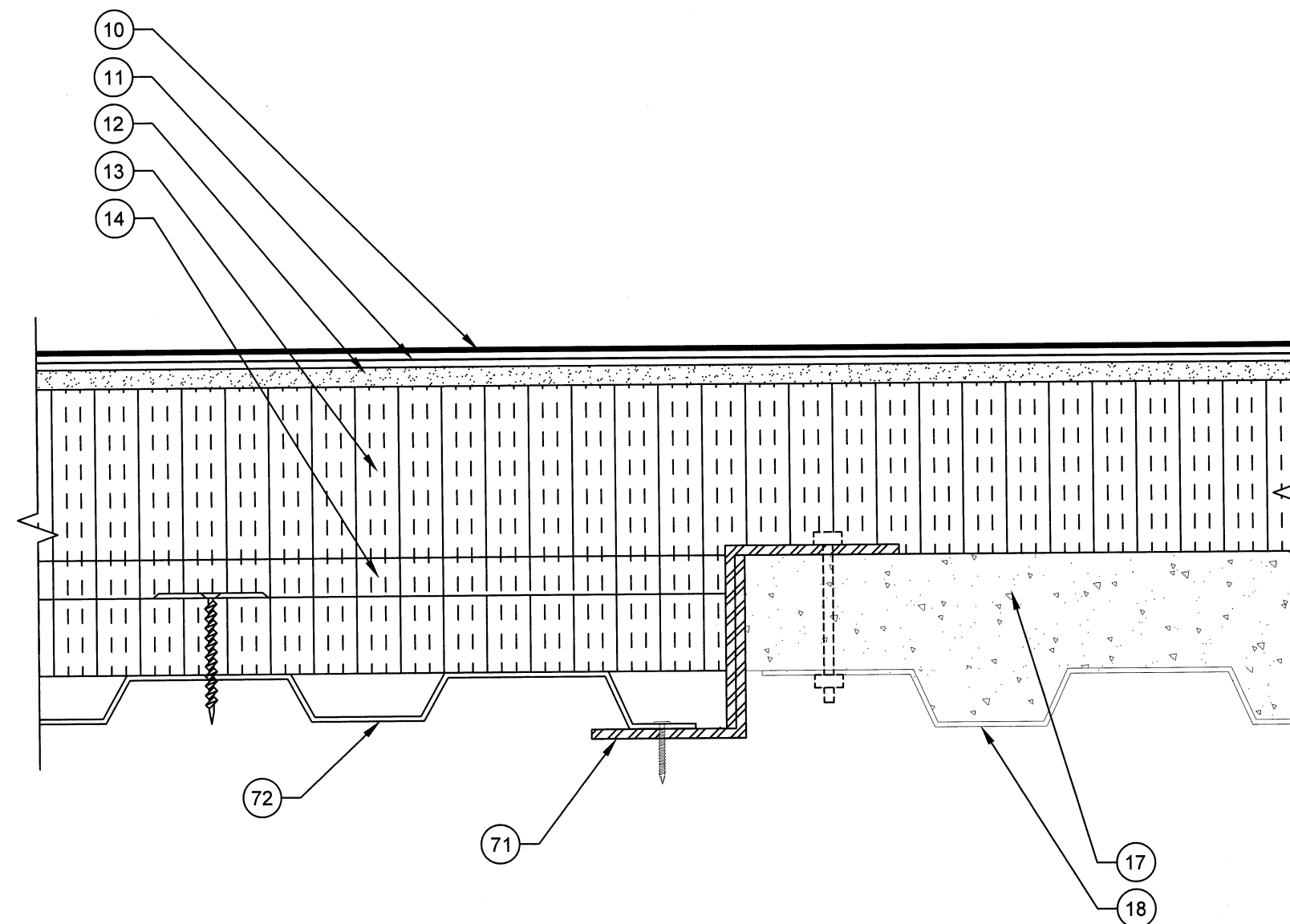
1. NEW TWO PIECE COPING CAP WITH CONTINUOUS CLEAT
2. NEW SELF- ADHERING MEMBRANE
3. NEW STRIPPING PLY
4. NEW TAPERED EDGE STRIP
5. NEW WOOD BLOCKING
6. NEW TERMINATION BAR AND SEALANT
7. NEW BASE FLASHING
8. NEW BACKER PLY
9. NEW CANT STRIP
10. NEW CAP SHEET
11. NEW BASE PLY
12. NEW COVER BOARD
13. NEW TAPERED INSULATION
14. NEW BASE INSULATION (2) 2" LAYERS
15. NEW METAL COUNTER FLASHING
16. THREADED ROD WITH EPOXY
17. EXISTING CONCRETE DECK
18. EXISTING METAL DECK
19. EXISTING BUILDING STRUCTURE
20. NEW METAL WALL PANEL
21. NEW HAT CHANNEL
22. NEW PLYWOOD
23. NEW METAL COPING CAP WITH CONTINUOUS CLEAT
24. EXISTING CURB (WITH BUILT-IN CANT)
25. EXISTING CURB COVER
26. EXISTING ROOF HATCH
27. NEW STAINLESS STEEL COUNTER FLASHING WITH RECEIVER
28. NEW BRICK (TO MATCH EXISTING)
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31. NEW SEALANT
32. NEW STAINLESS STEEL COUNTER FLASHING IN NEW REGLET, LEAD WEDGE AND SEALANT
33. EXISTING PRECAST PANEL
34. EXISTING STUCCO
35. EXISTING FLASHING
36. NEW LIQUID APPLIED FLASHING WITH REINFORCEMENT
37. EXISTING CONCRETE CAP
38. EXISTING CONCRETE CURB
39. EXISTING I-BEAM
40. EXISTING CONCRETE STRUCTURE
41. NEW SURFACE MOUNTED COUNTER FLASHING
42. NEW SLEEPER COVER
43. EXISTING METAL SLEEPER
44. NEW PIPE CAP
45. NEW ROOF DRAIN
46. NEW DRAIN EXTENSION
47. NEW DRAIN SUMP
48. EXISTING PIPE PENETRATION
49. NEW INSULATION INFILL
50. NEW STAIR STRINGER
51. NEW OVERFLOW SCUPPER LINER
52. NEW METAL FLEEce PLATE
53. NEW LEAD FLASHING
54. NEW WATER-TIGHT MASTIC
55. NEW EXPANSION JOINT COVER
56. NEW BATT INSULATION IN PORCH FLOOR ENVELOPE
57. NEW METAL CAP COVER
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59. FASTENERS WITH NEOPRENE WASHERS
60. NEW WALK PADS
61. NEW FORM CLOSURE
62. NEW DOOR SILL FLASHING
63. NEW WOOD FRAMING
64. EXISTING GOOSE NECK
65. NEW METAL CAP PAINTED ON INTERIOR TO MATCH EXISTING
66. NEW MIDSPAN SUPPORT
67. NEW 2" x3" 20 ga. CLIPS (4)
68. NEW CONCRETE LAG
69. EXISTING PLYWOOD
70. NEW BATT INSULATION
71. NEW 3" STEEL Z ANGLE
72. NEW METAL DECKING
73. NEW CONCRETE CURB
74. EXISTING CONCRETE CURB
75. PRE-MANUFACTURED SLEEPER
76. EXISTING PRE CAST CONCRETE (BEYOND)
77. NEW BRACKET
78. NEW COPING CAP WITH CONTINUOUS CLEAT
79. EXISTING VENTILATION DUCT



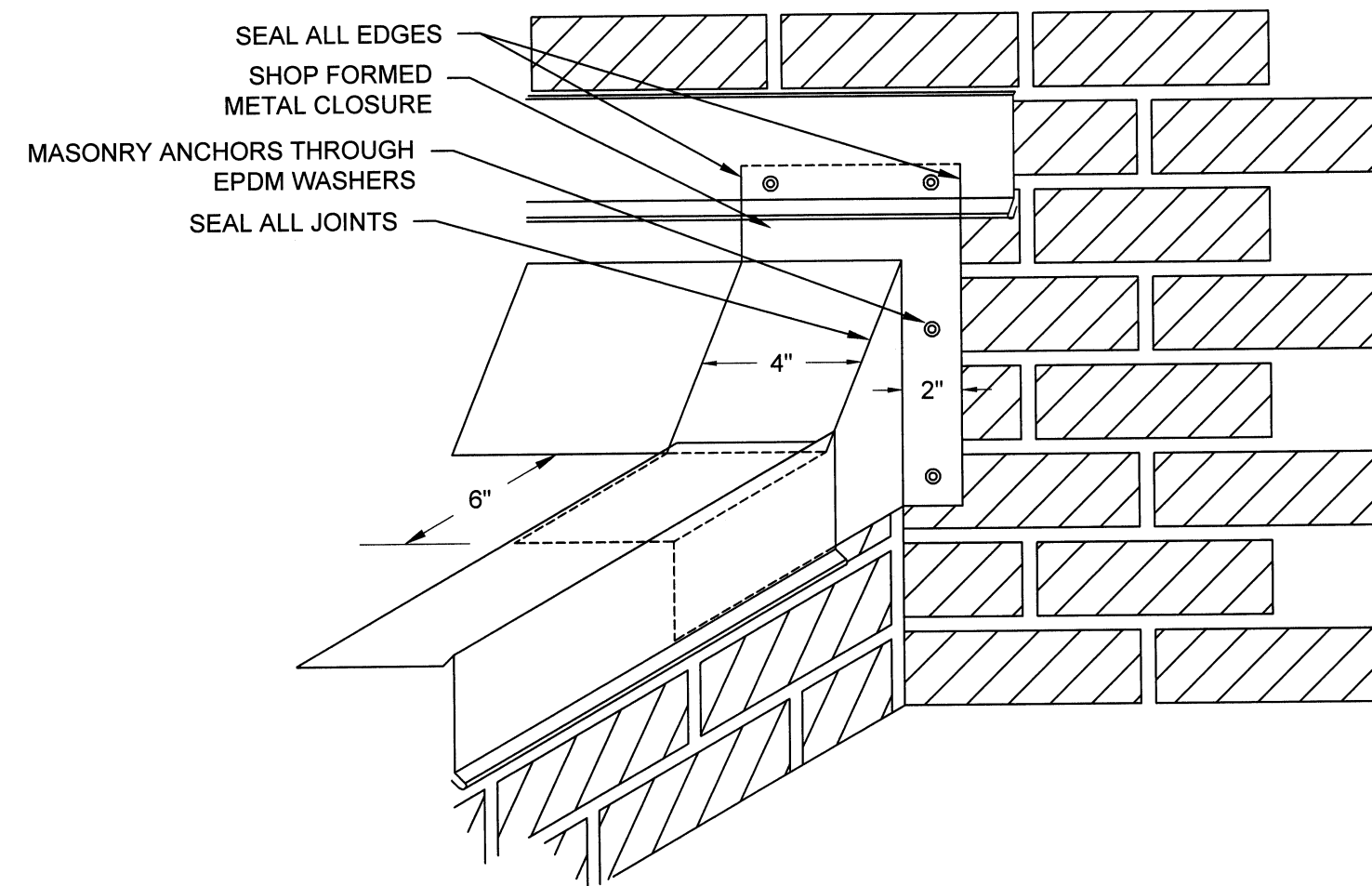
D21 COVER VENT PENETRATION
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D23 NEW STAIR DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D22 ABANDONED SKYLIGHT CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



NOTE: BASE FLASHINGS, INSULATION, ETC. NOT SHOWN FOR CLARITY

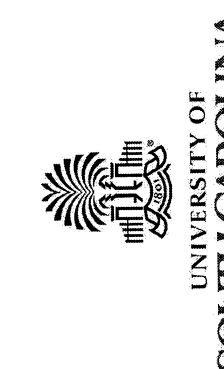
D24 BASE CLOSURE DETAIL
SCALE: NTS

LEGEND

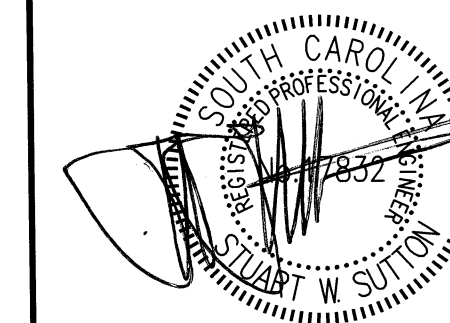
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13. NEW TAPERED INSULATION
14. NEW BASE INSULATION (2) 2" LAYERS
15. NEW METAL COUNTER FLASHING
16. 1" THREADED ROD WITH EPOXY
17. EXISTING CONCRETE DECK
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53. NEW WATER-TIGHT MASTIC
54. NEW EXPANSION JOINT COVER
55. NEW BATT INSULATION IN POLYETHYLENE ENVELOPE
56. NEW METAL CAP COVER
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66. NEW 2" x 3" 20 ga. CLIPS (4)
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ENGINEER STATE LICENSE SEAL



ISSUE DATE:

JUNE 1, 2015

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- ☐ ADDENDUM SUBMITTAL
- ☐ RECORD DRAWINGS

PROJECT TEAM:

DESIGNED BY:

KRC

DRAWN BY:

EGM II

APPROVED BY:

VTN

PROJECT NUMBER:

· FH146903

REVISIONS:

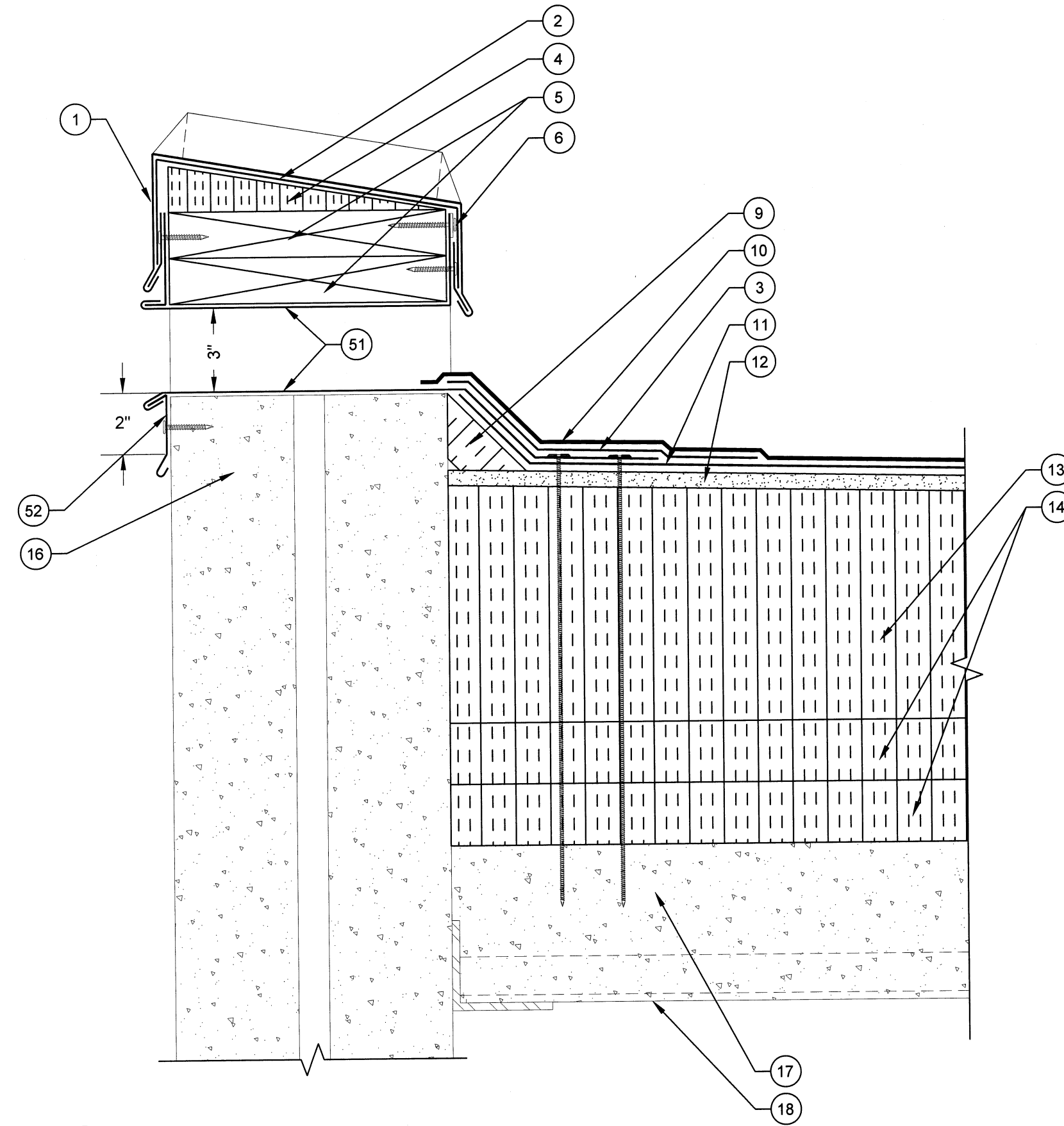
No.	DATE	DESCRIPTION
No. 1	06.01.15	ADDENDUM No. 1

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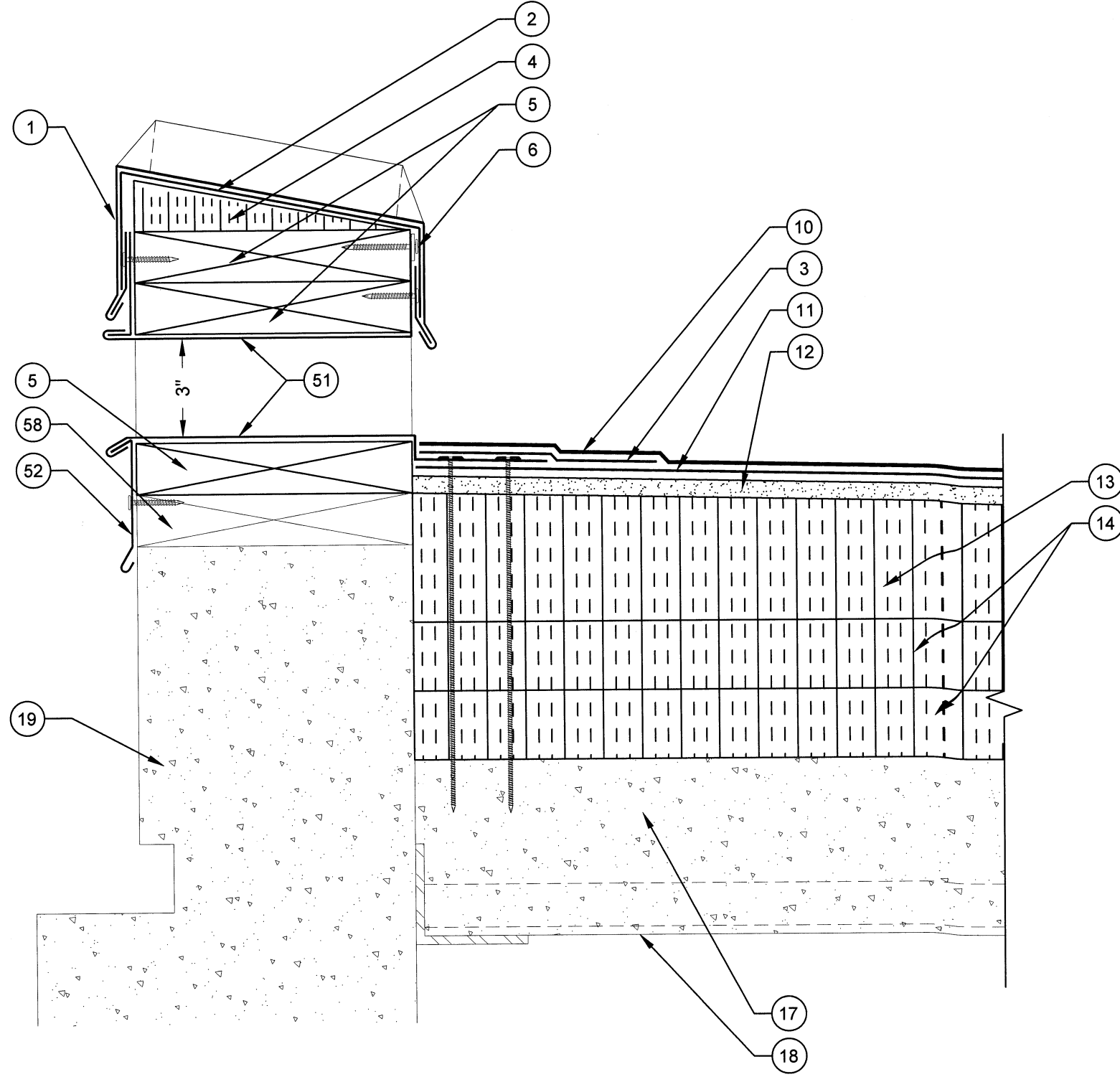
ROOF DETAILS

SHEET NUMBER:

R-204



D25 OVERFLOW SCUPPER DETAIL
SCALE: 3" = 1"
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D26 OVERFLOW SCUPPER DETAIL
SCALE: 3" = 1"
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LEGEND

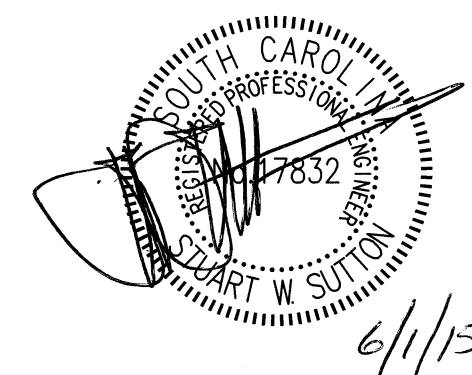
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PROJECT TEAM:

DESIGNED BY:

KRC

DRAWN BY:

EGM II

APPROVED BY:

VTN

PROJECT NUMBER:

FH146903

REVISIONS:

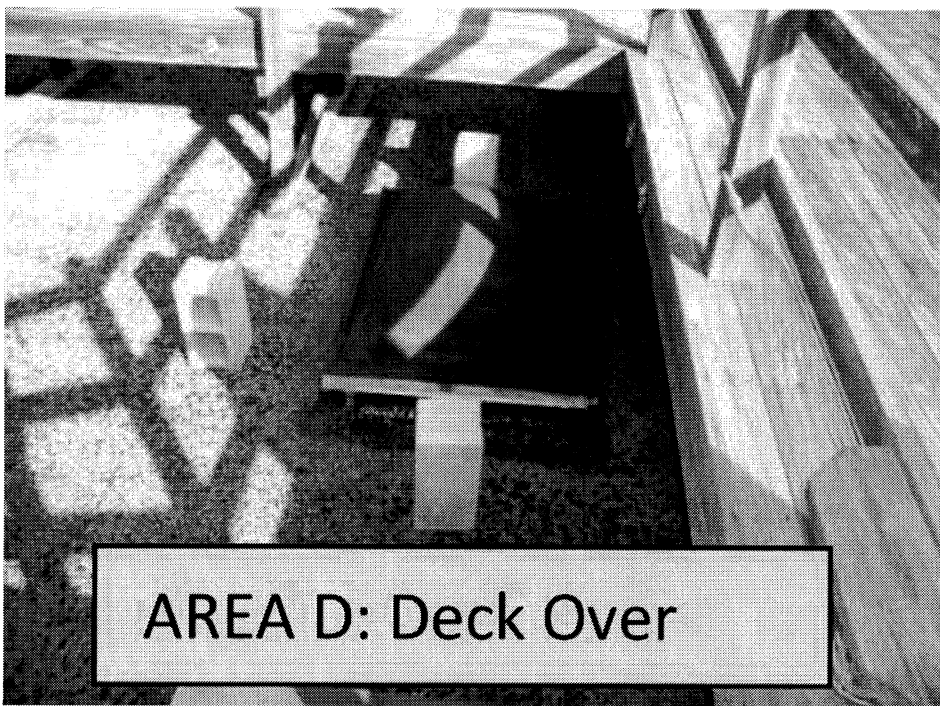
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No.1	06.01.15	ADDENDUM No.1

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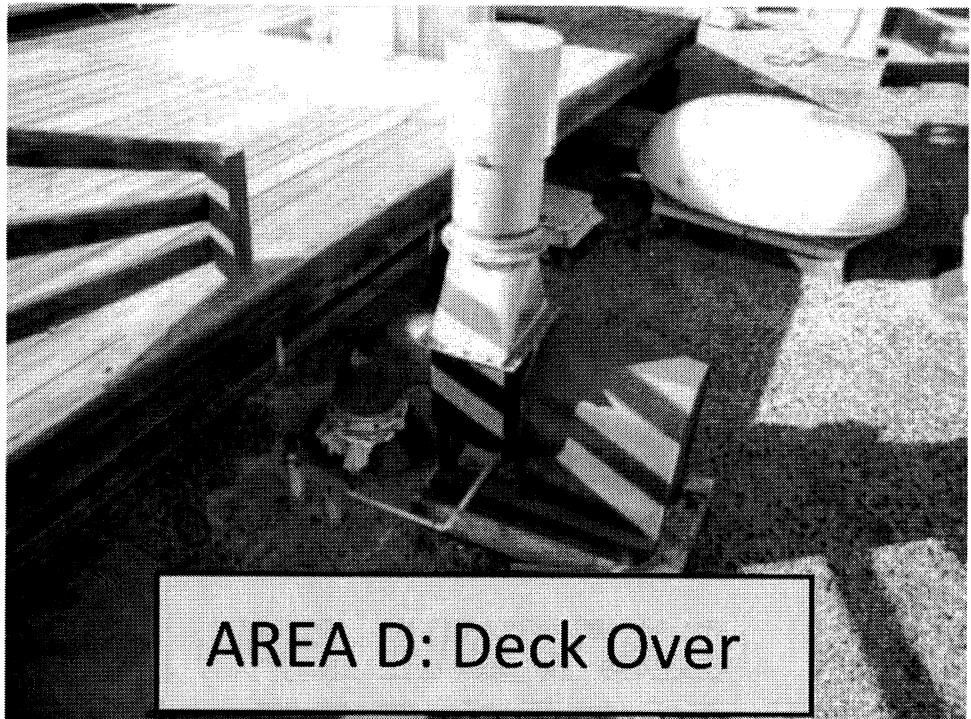
ROOF DETAILS

SHEET NUMBER:

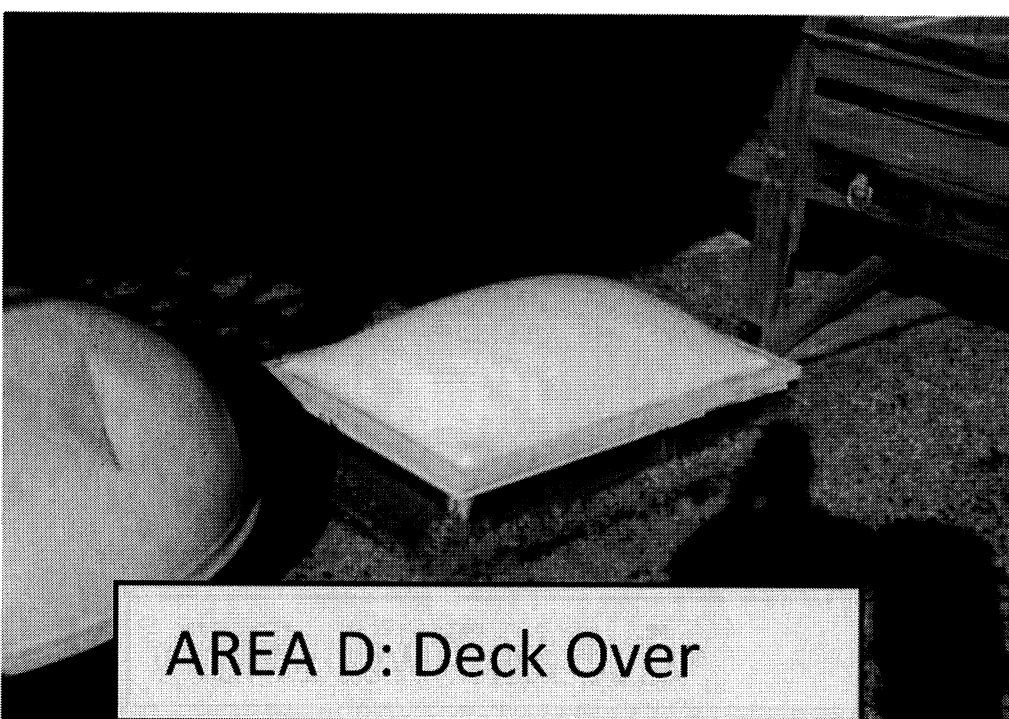
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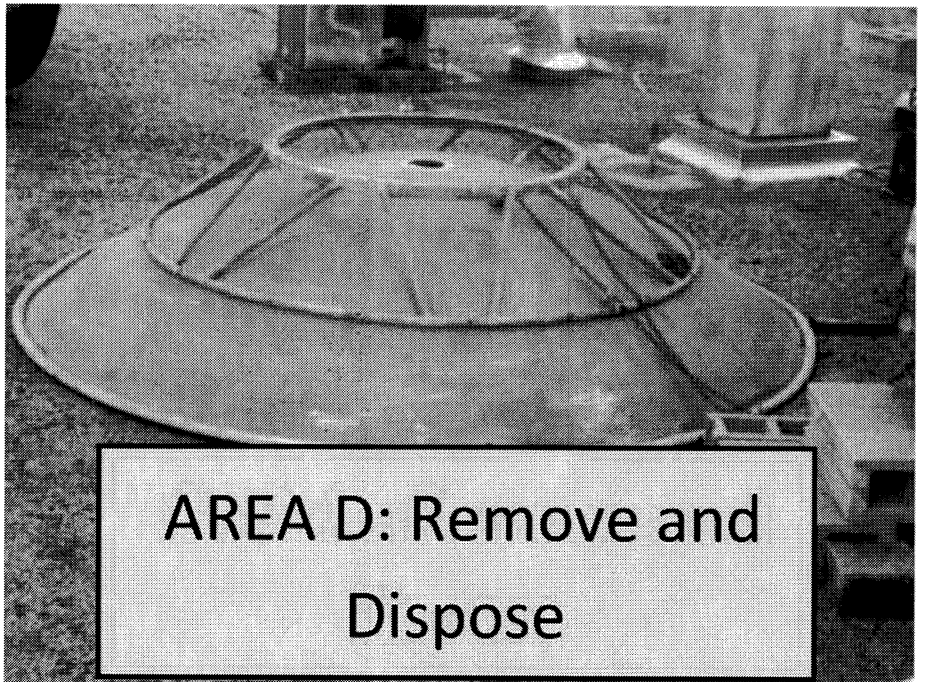
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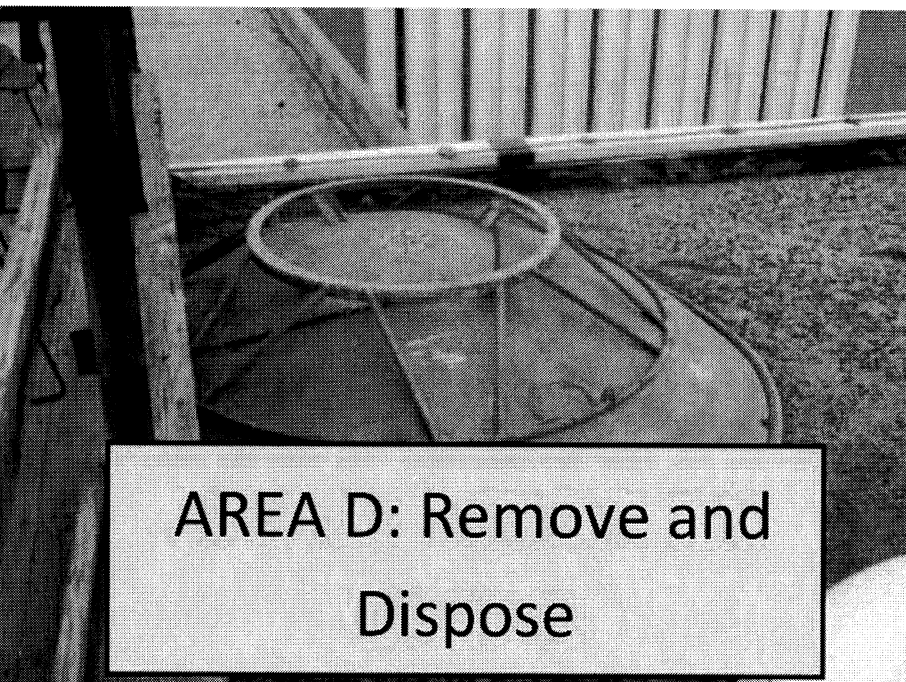
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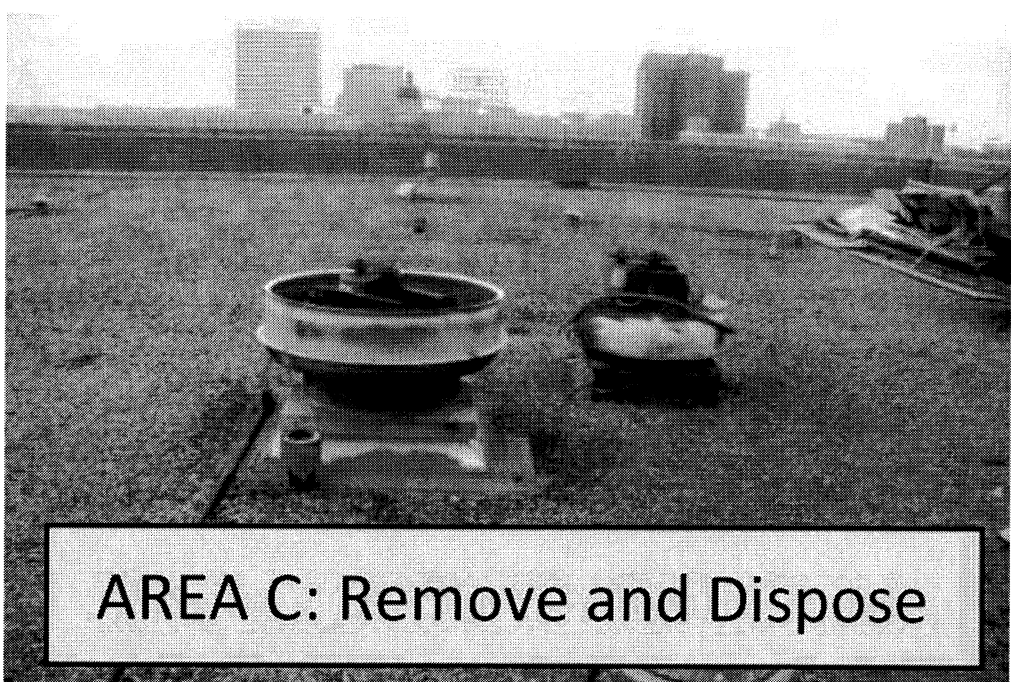
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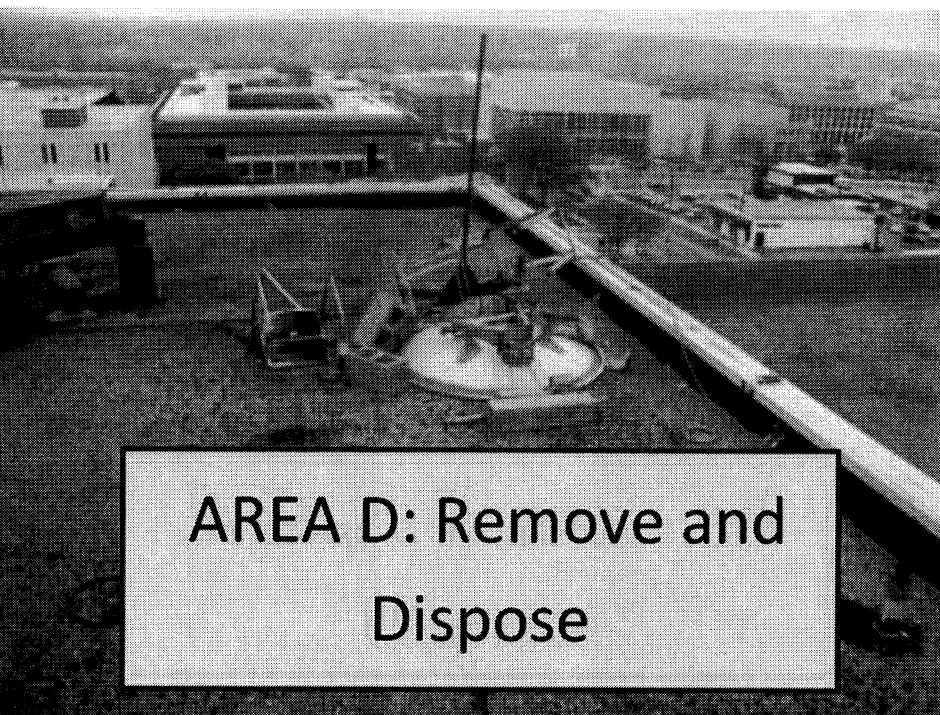
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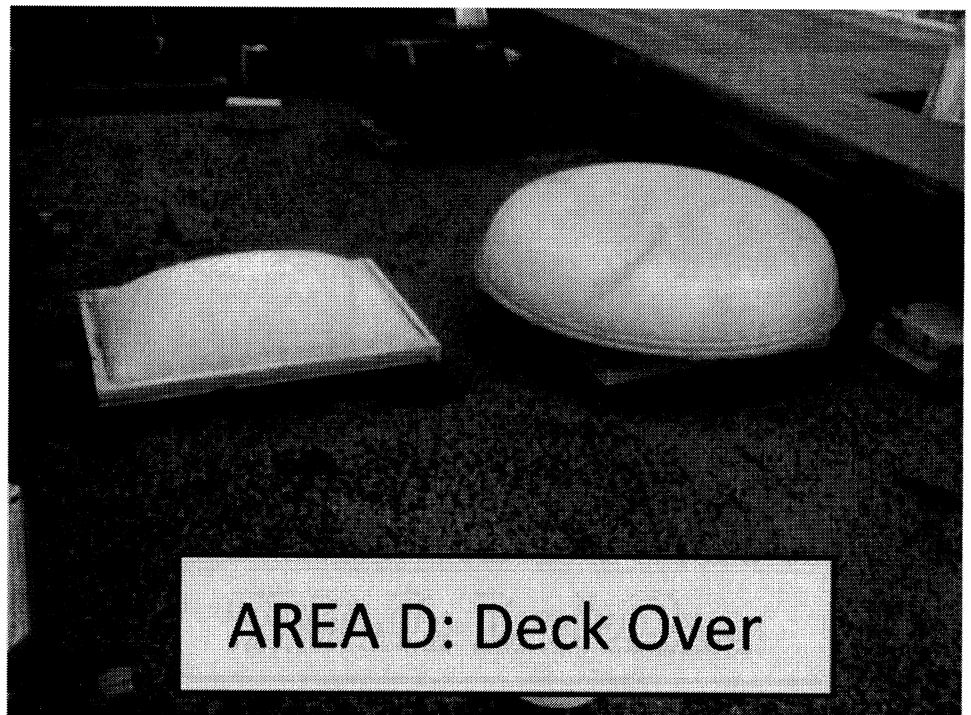
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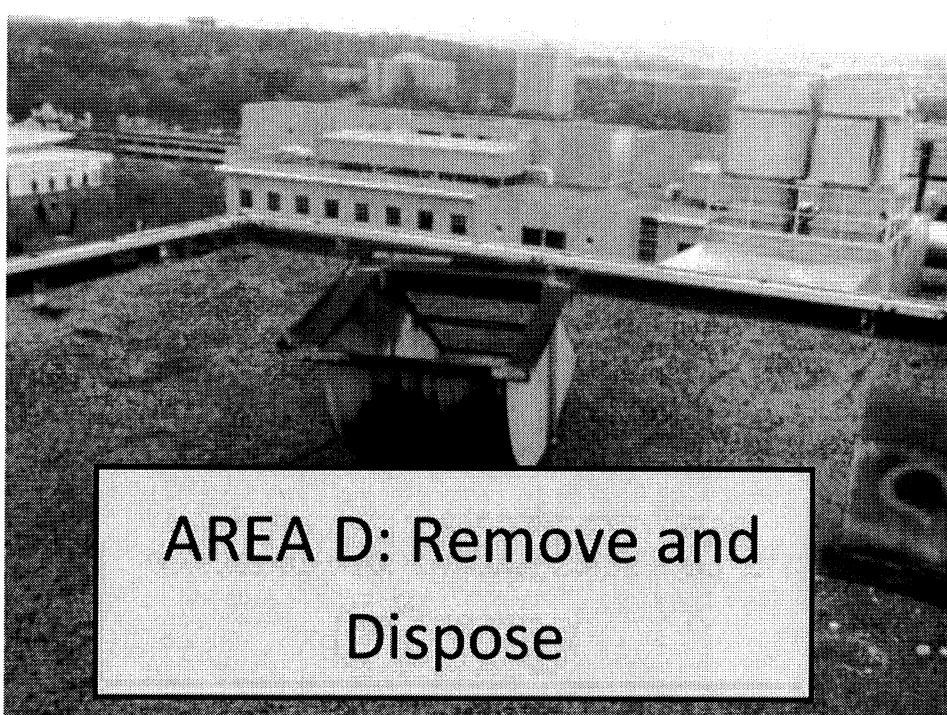
AREA C: Remove and Dispose



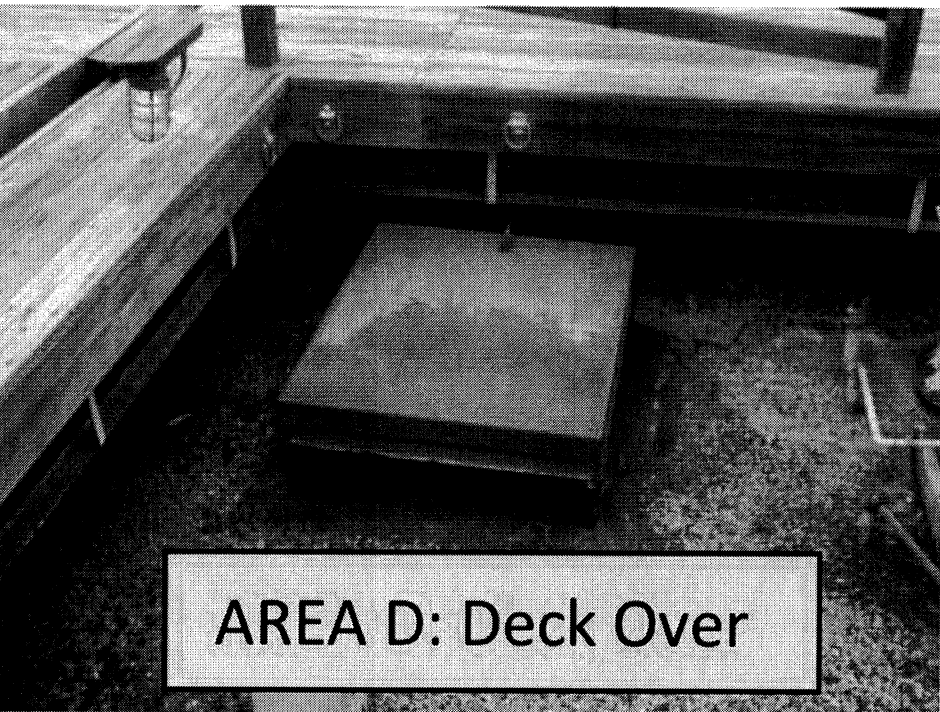
AREA D: Remove and Dispose



AREA D: Deck Over



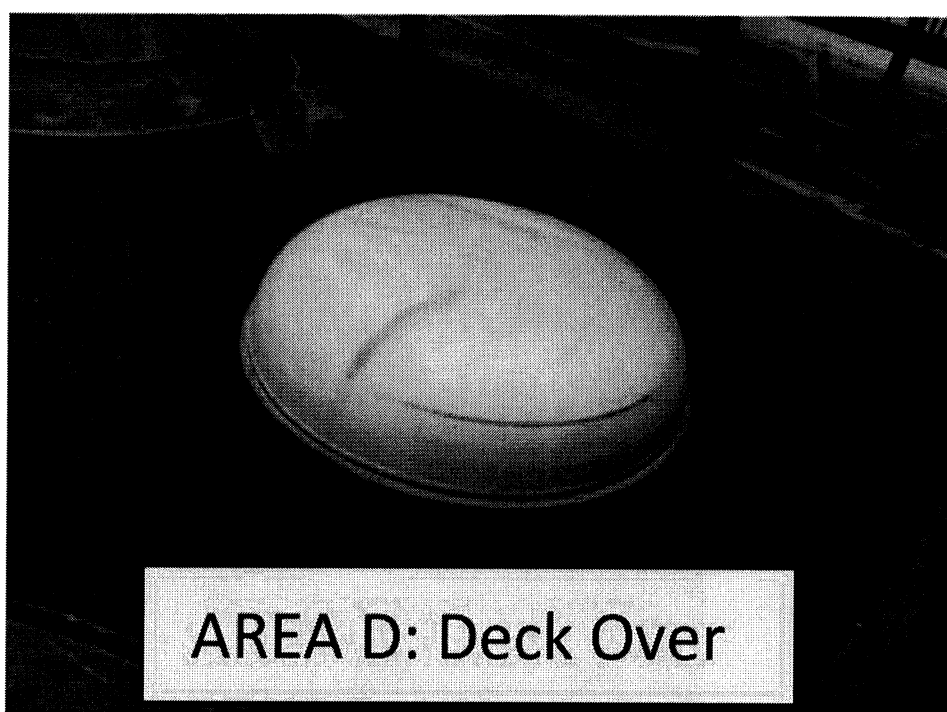
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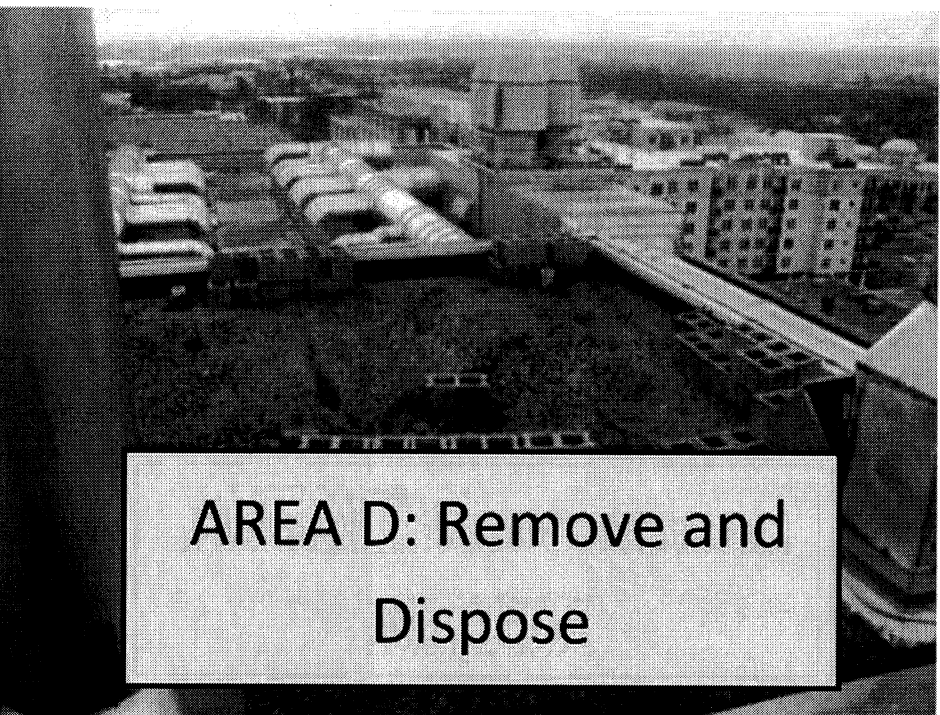
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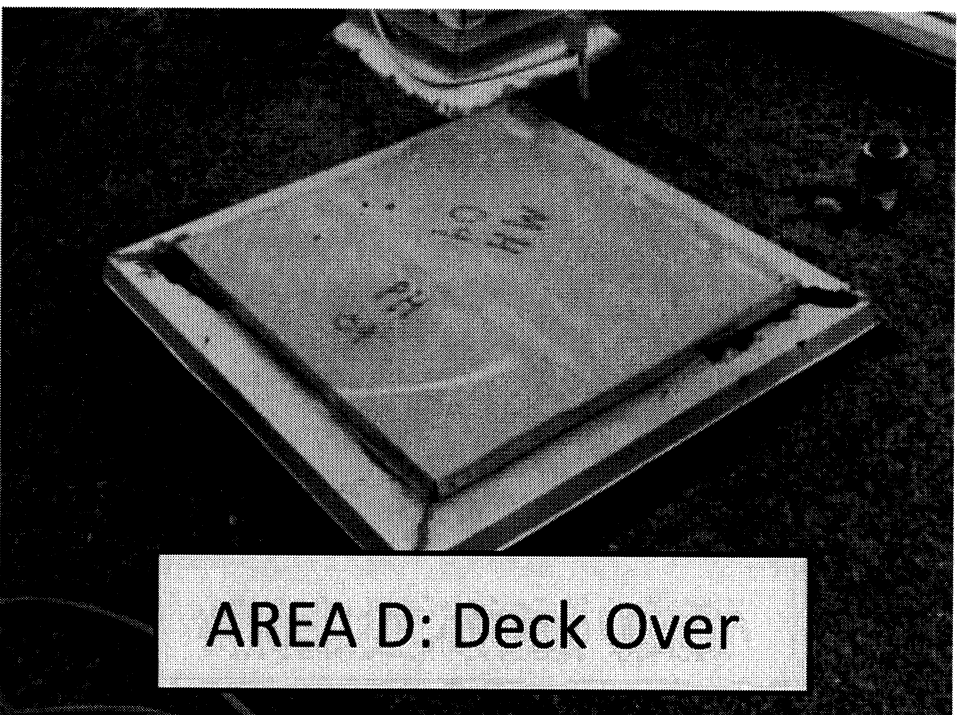
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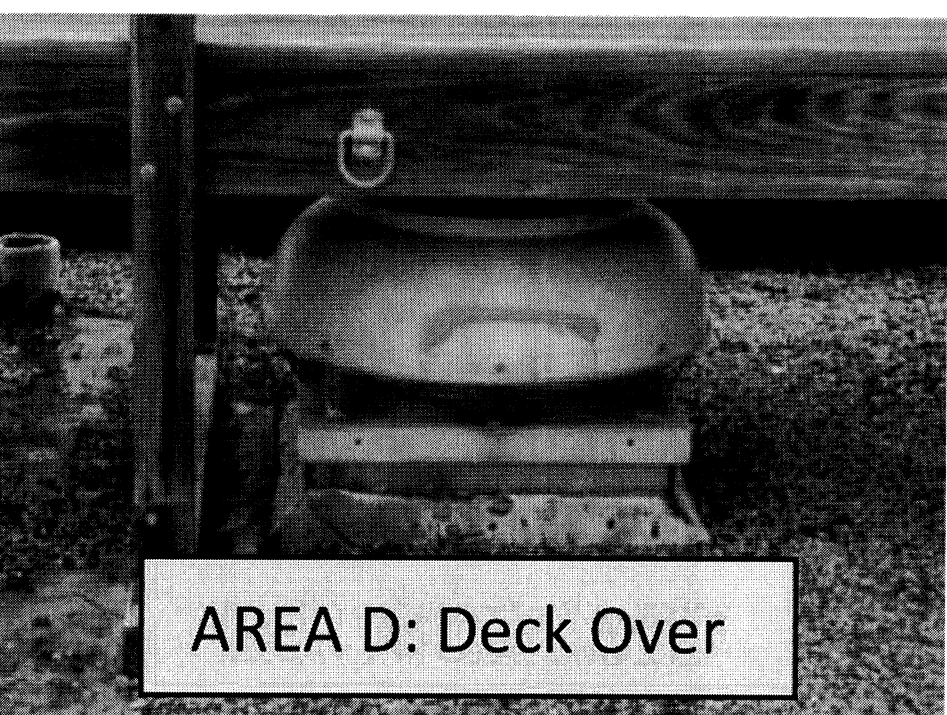
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AREA D: Remove and Dispose



AREA D: Deck Over



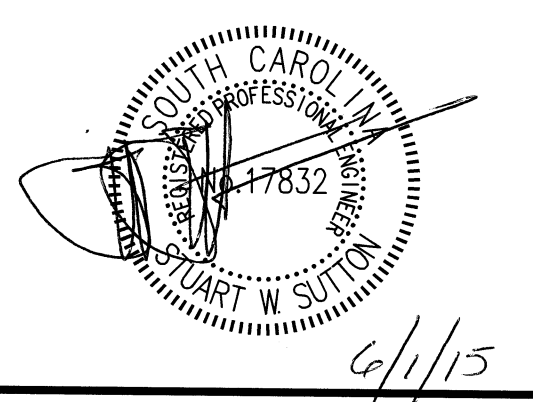
AREA D: Deck Over

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DRAWN BY: **EGM II**

APPROVED BY: **VTN**

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REVISIONS:		
No.	DATE	DESCRIPTION
No. 1	06.01.15	ADDENDUM No. 1

TITLE SHEET:
REMOVALS

SHEET NUMBER:
R-206