

UNIVERSITY of SOUTH CAROLINA




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SOUTH CAROLINA

USC JONES PSC
ROOF REPLACEMENT PROJECT
PROJECT No.: H27-6094-Z

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-200	ROOF DETAILS
	R-201	ROOF DETAILS
	R-202	ROOF DETAILS
	R-203	ROOF DETAILS
	R-204	ROOF DETAILS
	R-205	REMOVALS




STAFFORD
CONSULTING
ENGINEERS
A Terracon COMPANY
Building Enclosure Systems Specialists

2020 STARITA ROAD SUITE-E
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RALEIGH . CHARLOTTE . JACKSONVILLE

PROJECT NAME AND ADDRESS:

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



UNIVERSITY OF
SOUTH CAROLINA

ISSUE DATE:
MAY 20, 2015

ISSUE FOR:

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☐ SURVEY REPORT SUBMITTAL:
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☐ CONSTRUCTION DOCUMENT SUBMITTAL

☐ ADDENDUM SUBMITTAL

☐ RECORD DRAWINGS

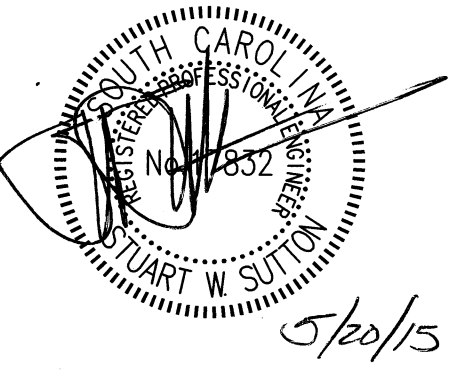
PROJECT TEAM:
DESIGNED BY:
DRAWN BY:
APPROVED BY:

KRC
EGM II
VTN

PROJECT NUMBER:
FH146903

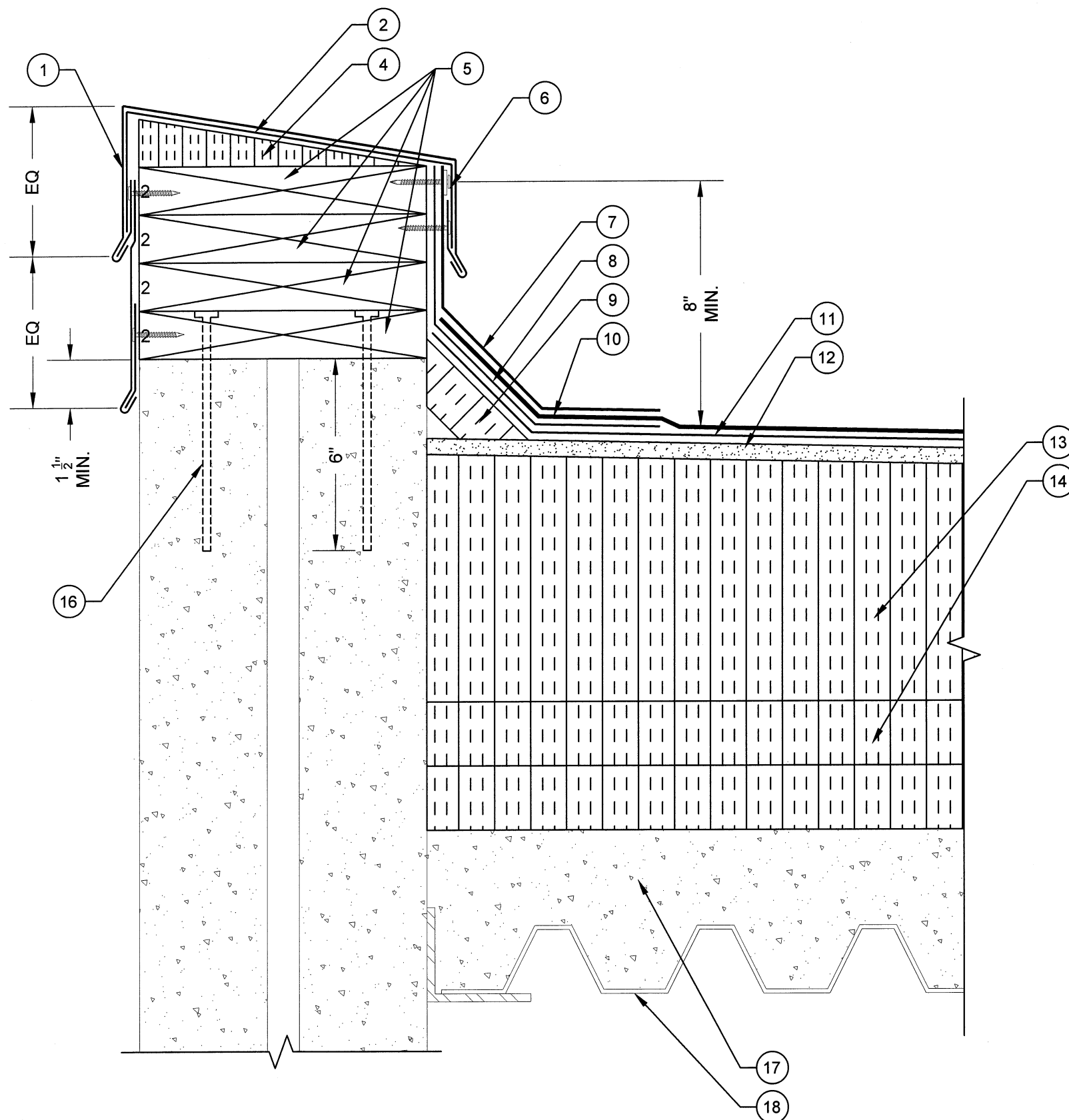
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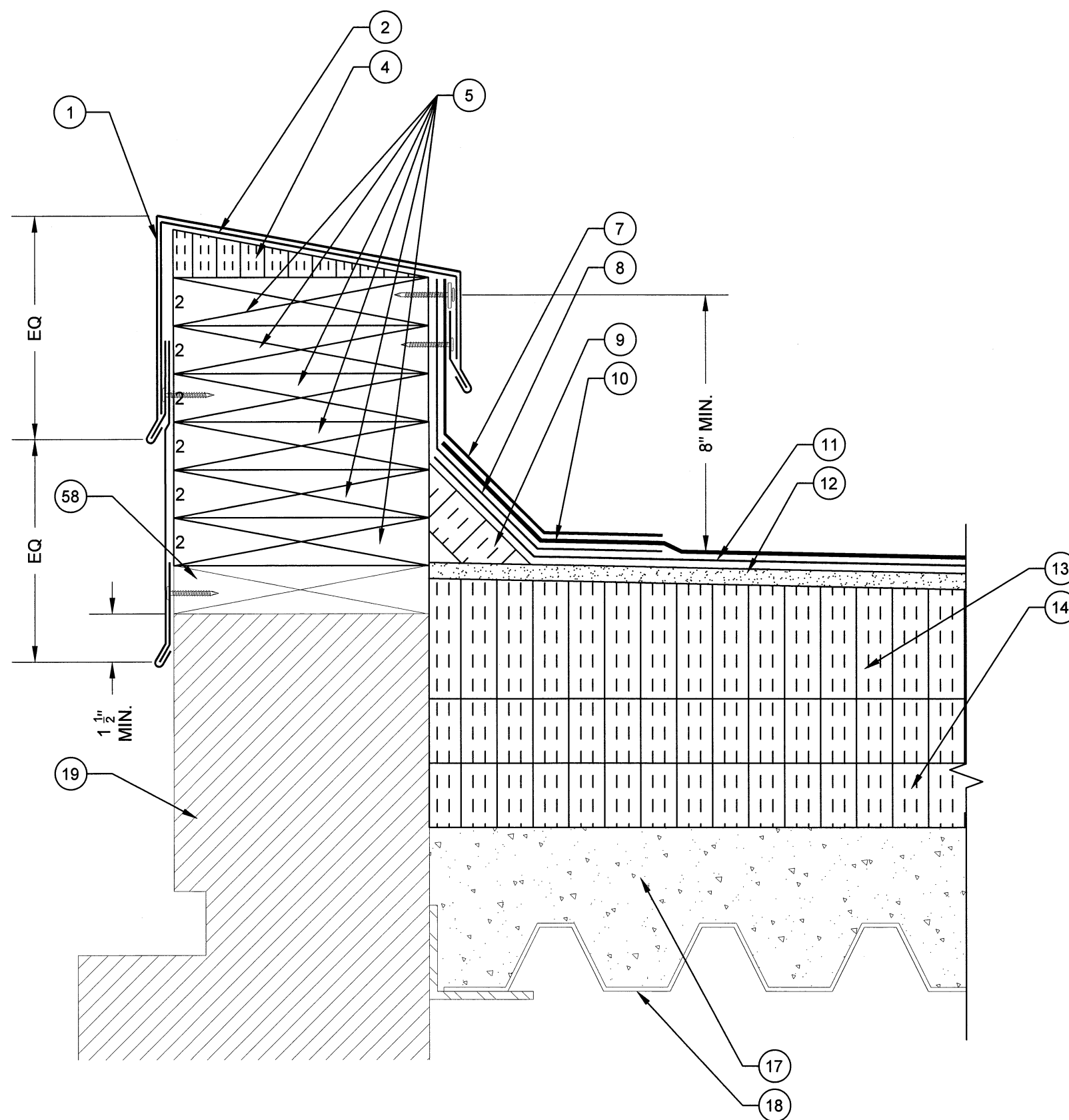
ENGINEER STATE LICENSE SEAL


TITLE SHEET:
COVER SHEET

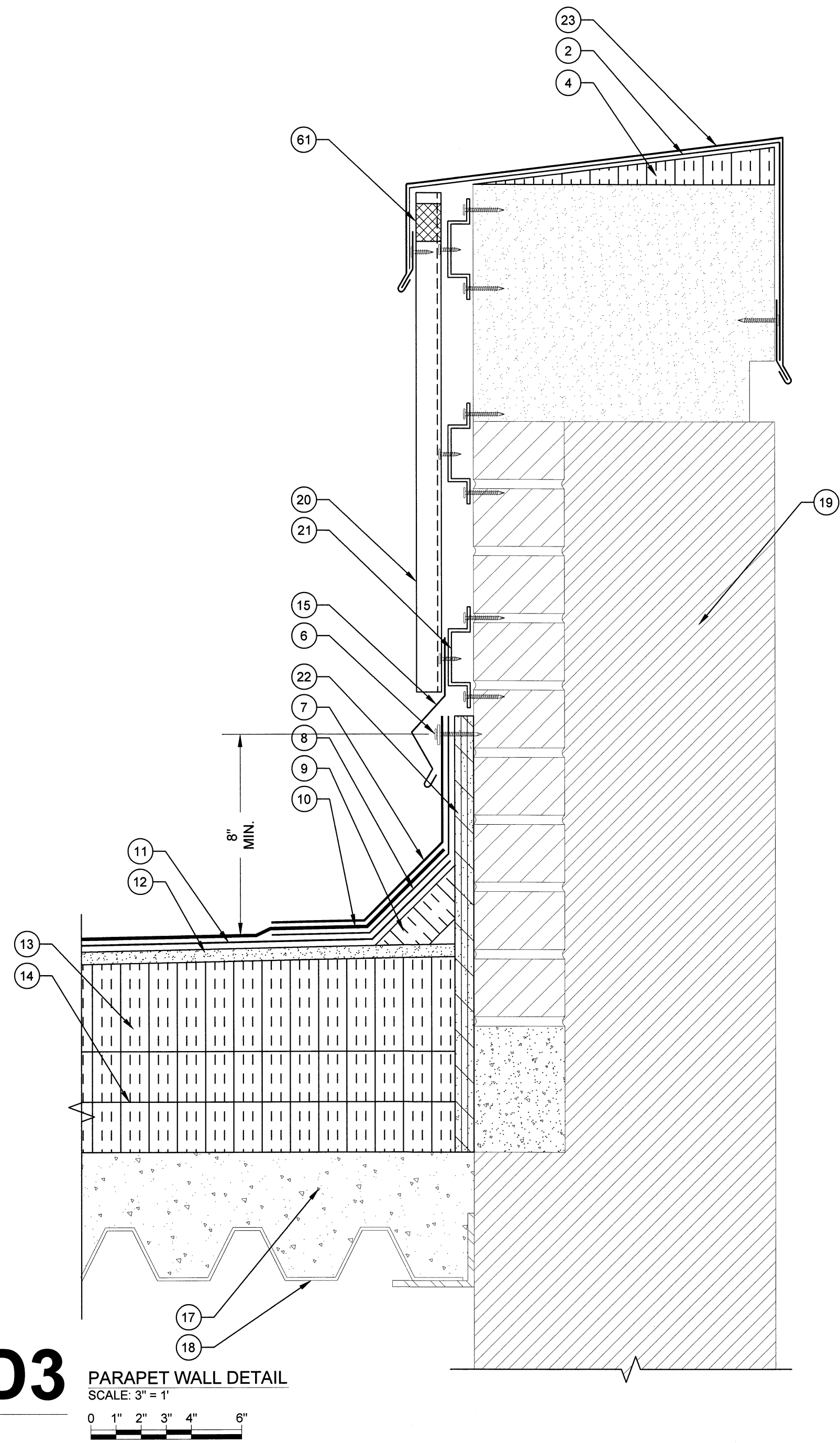
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T-100



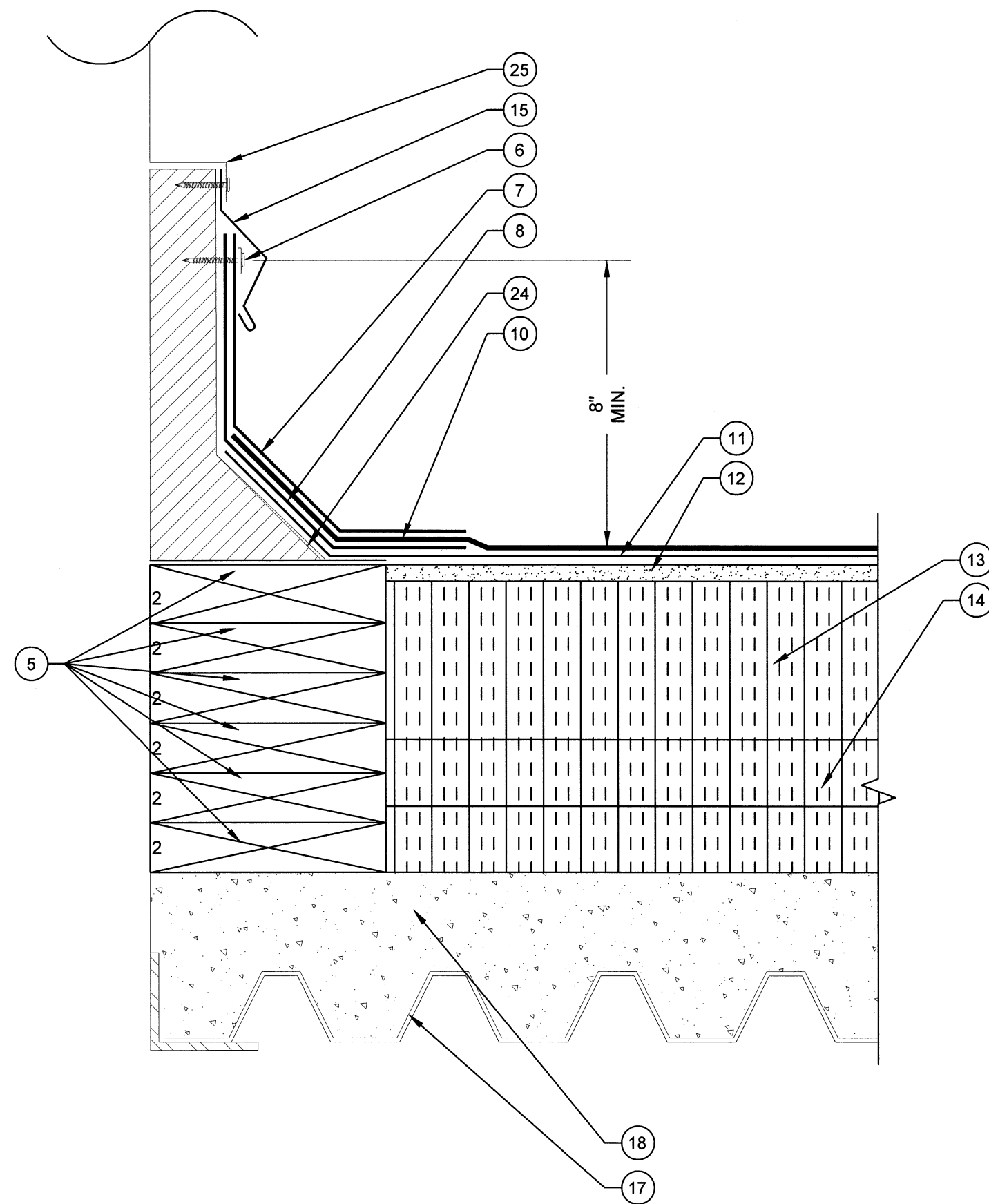
D1 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



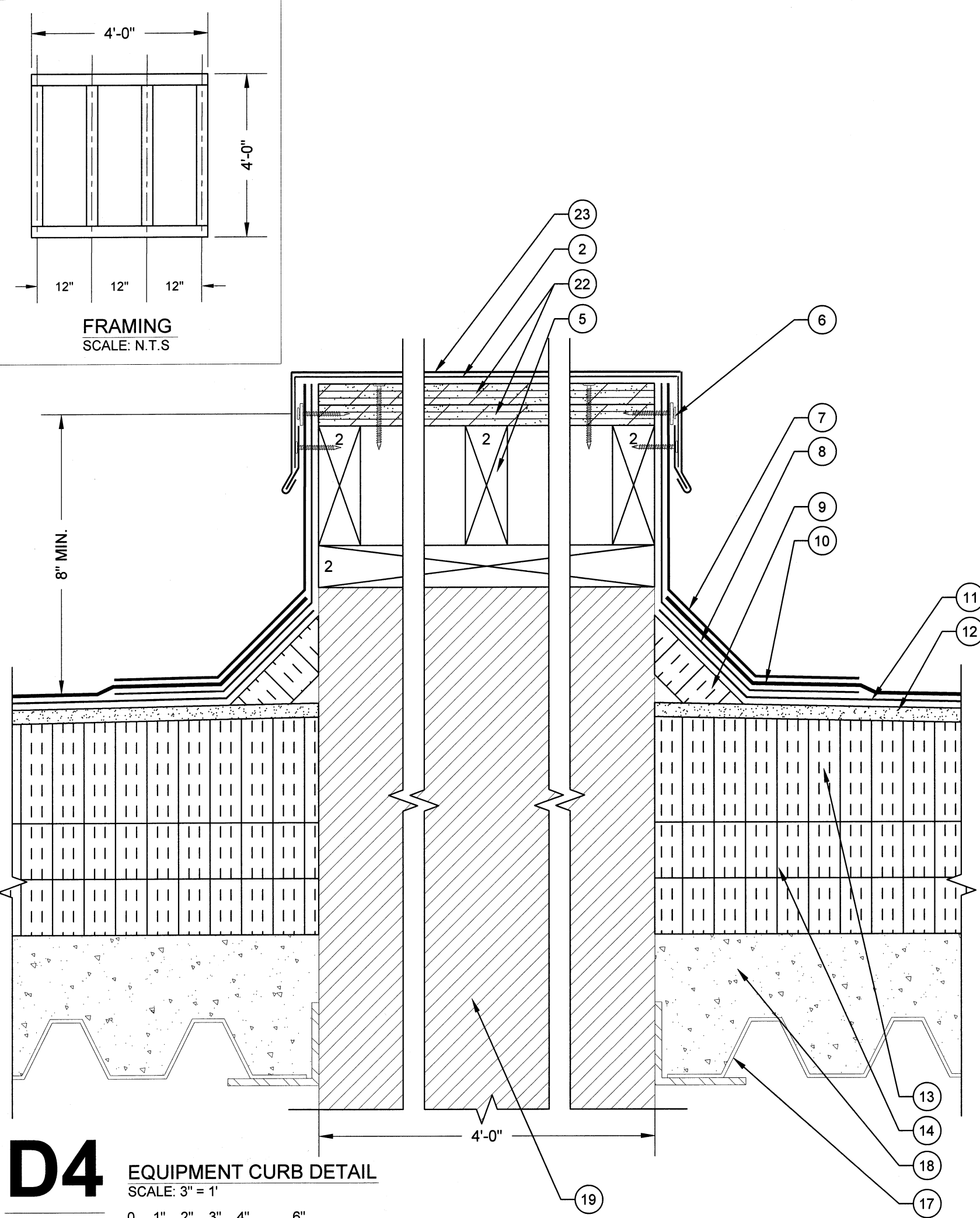
D2 PARAPET WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D3 PARAPET WALL DETAIL
SCALE: 3" = 1"
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D5 ROOF CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

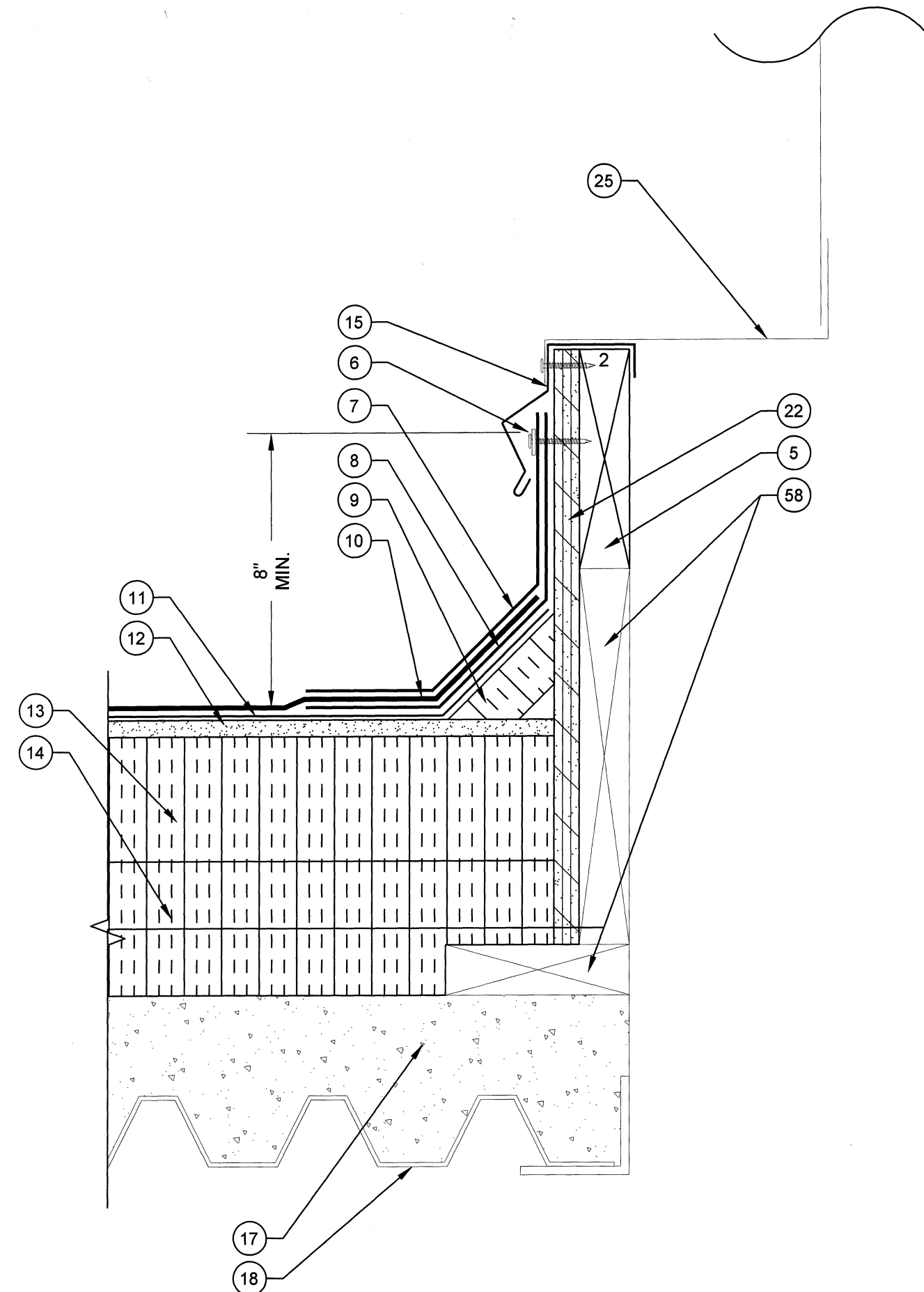


D4 EQUIPMENT CURB DETAIL
SCALE: 3" = 1"
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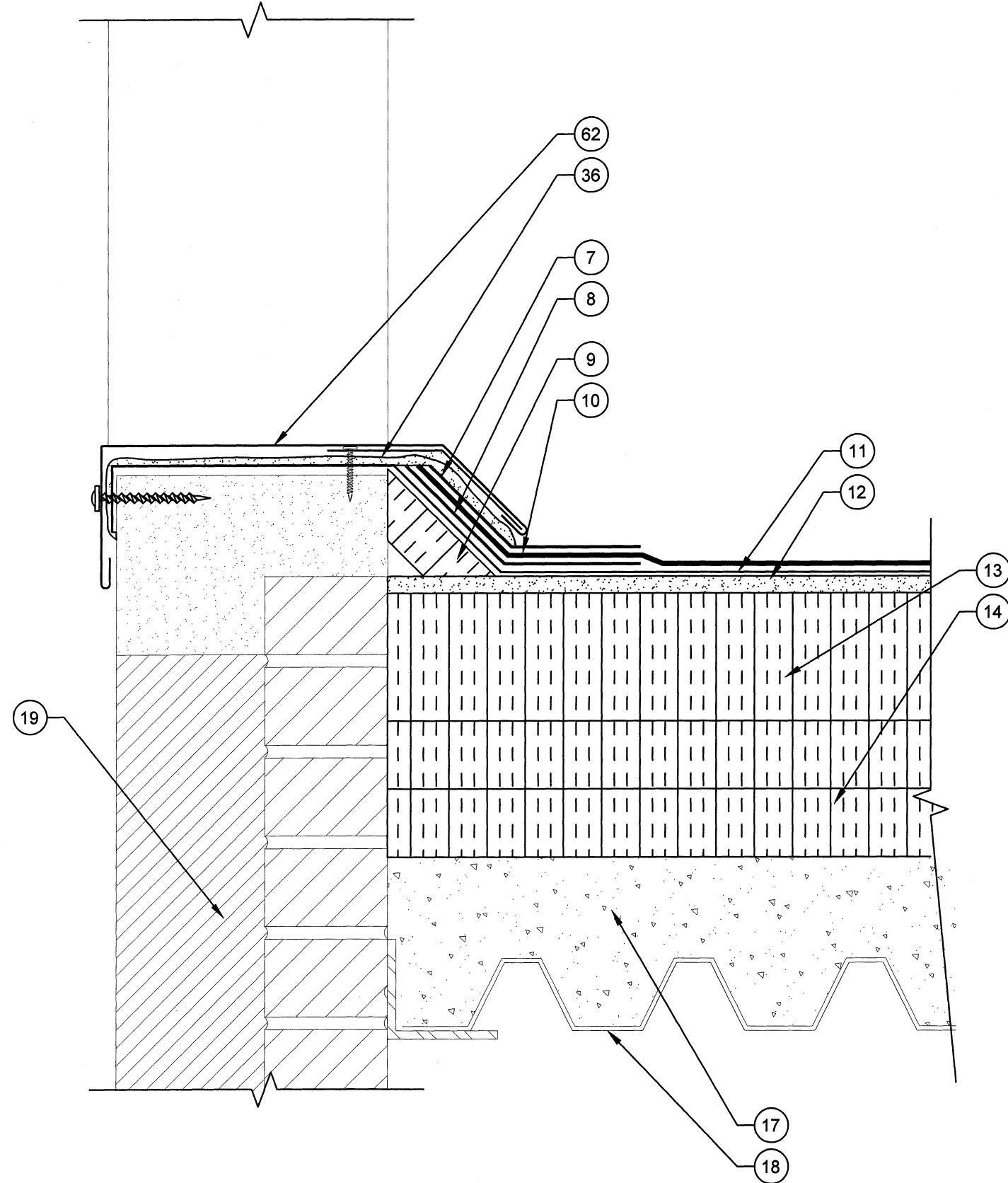
LEGEND

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 DRILL DEEP INTO CONCRETE
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
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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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54. NEW WATER-TIGHT MASTIC
55. NEW EXPANSION JOINT COVER
56. NEW BATT INSULATION IN POLYETHYLENE ENVELOPE
57. NEW METAL CAP COVER
58. EXISTING WOOD BLOCKING
59. FASTENERS WITH NEOPRENE WASHERS
60. NEW WALK PADS
61. NEW FORM CLOSURE
62. NEW STILL FLASHING
63. NEW WOOD FRAMING
64. EXISTING GOOSE NECK
65. NEW METAL DECK PAINTED ON INTERIOR TO MATCH EXISTING
66. NEW MIDSPAN SUPPORT
67. NEW 2" x3" Z 20 ga. CLIPS (4)
68. NEW 3/4" CONCRETE LAG
69. EXISTING PLYWOOD
70. NEW BATT INSULATION
71. NEW 7/8" STEEL Z ANGLE
72. NEW METAL DECKING

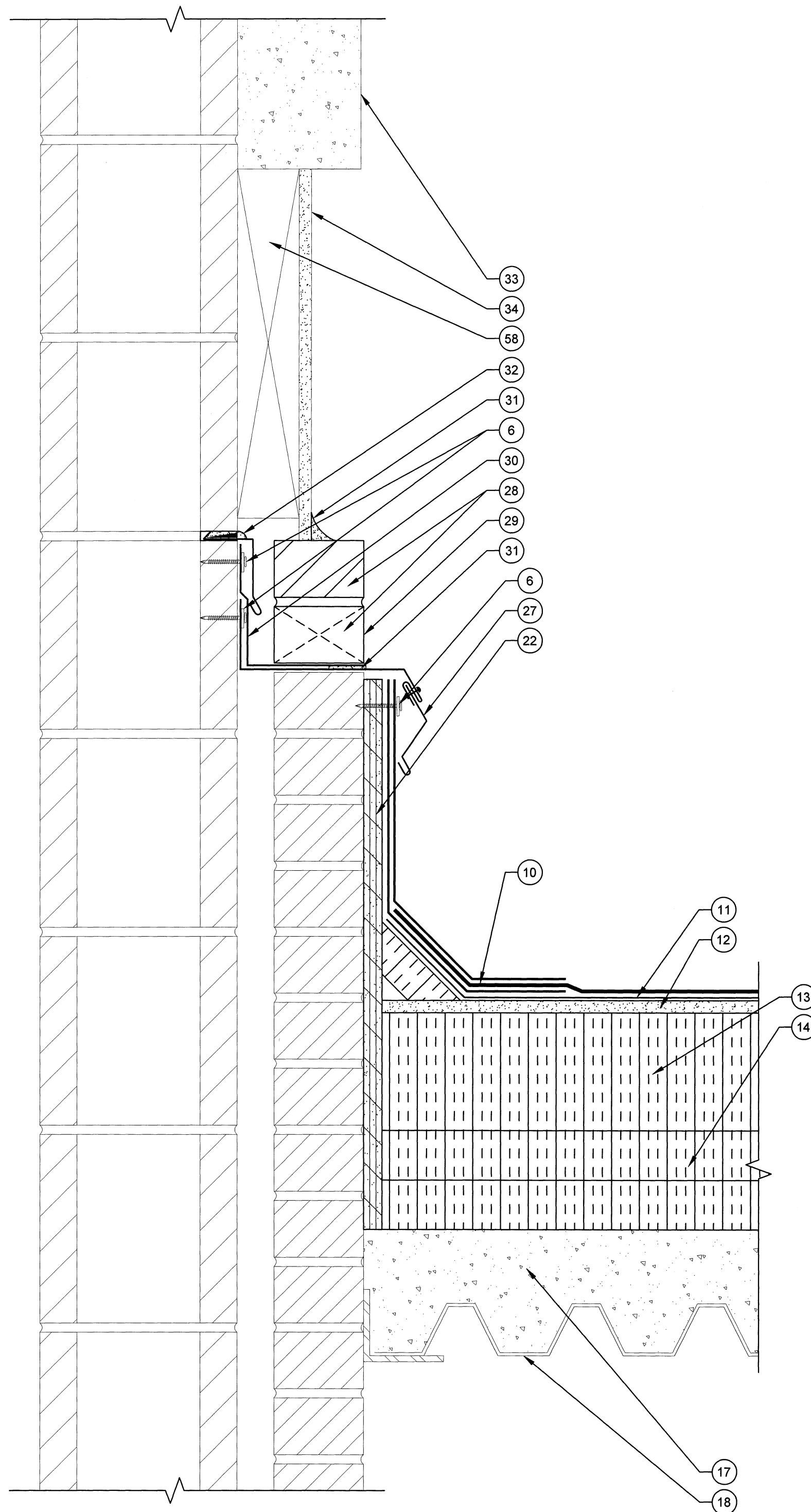
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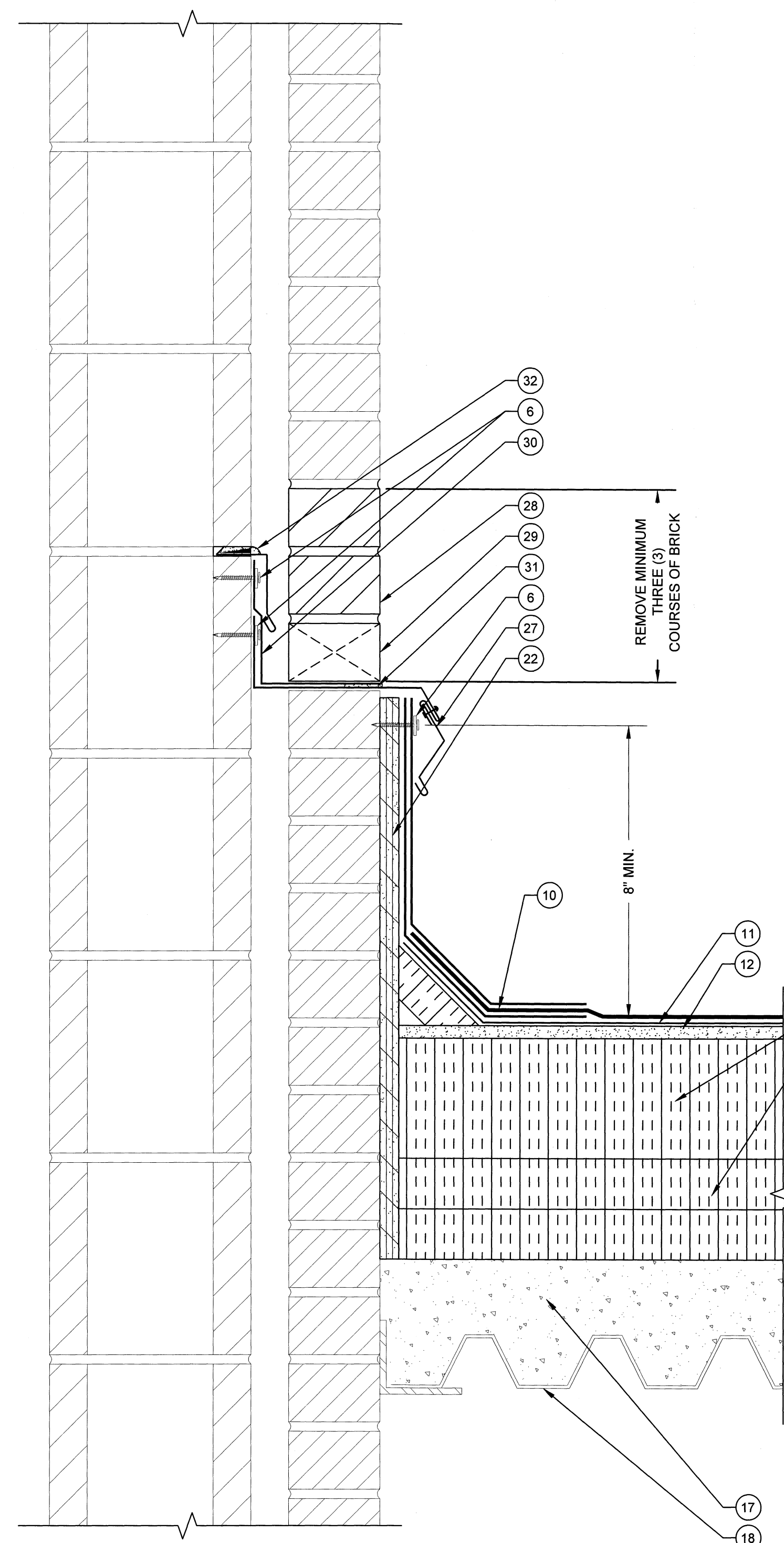
D7 ROOF CURB DETAIL
SCALE: 3" = 1"



D8 DOOR THRESHOLD DETAIL
SCALE: 3" = 1"



D9 WALL FLASHING DETAIL
SCALE: 3" = 1"

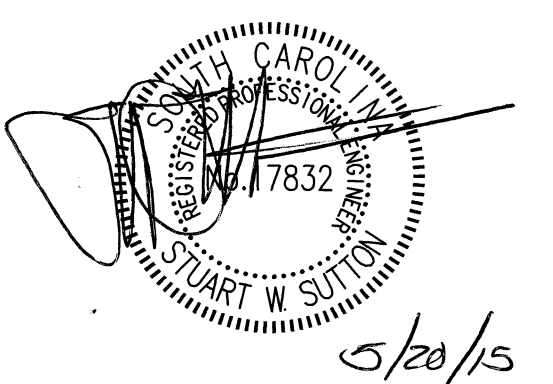


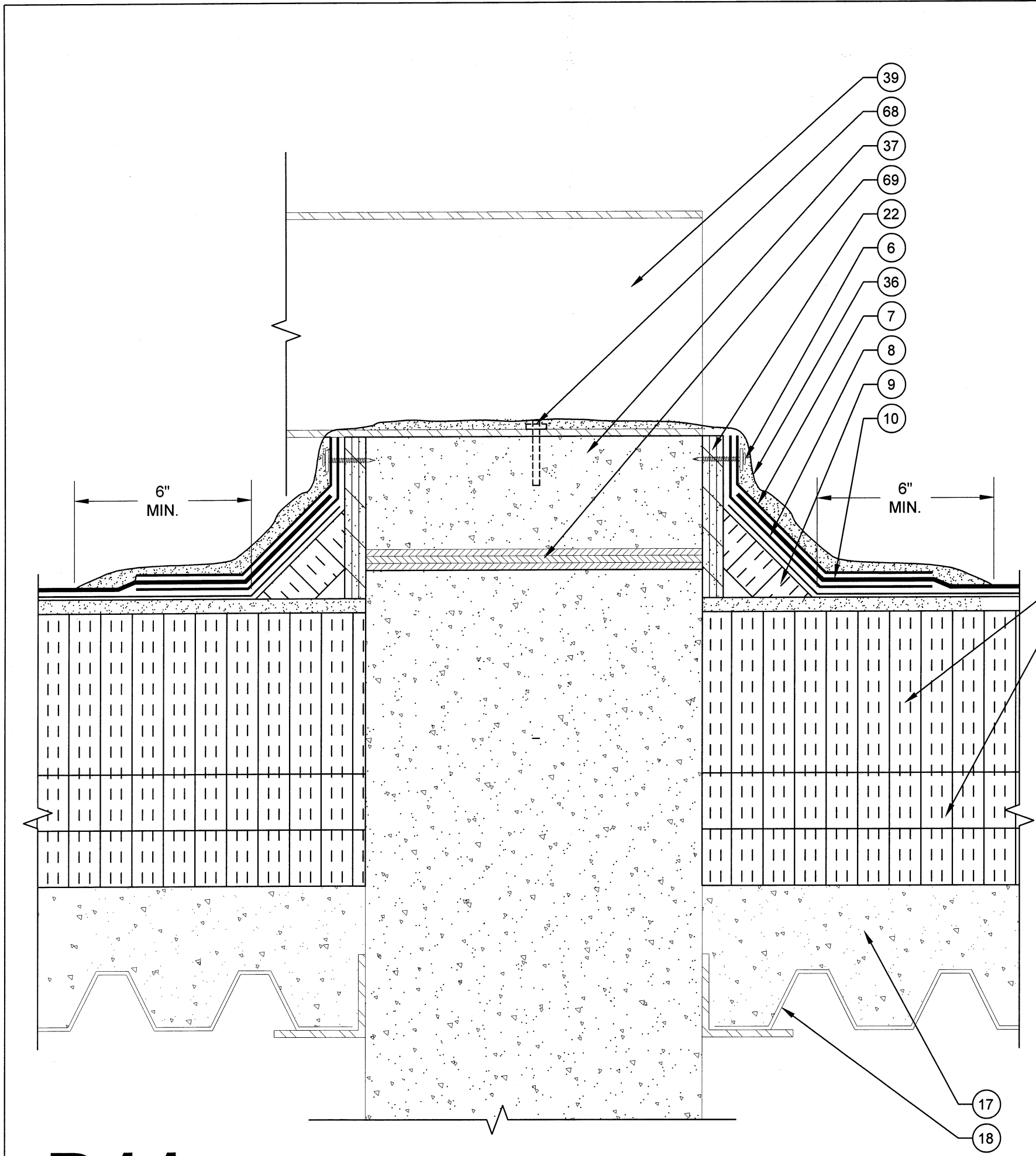
D10 WALL FLASHING DETAIL
SCALE: 3" = 1"

LEGEND

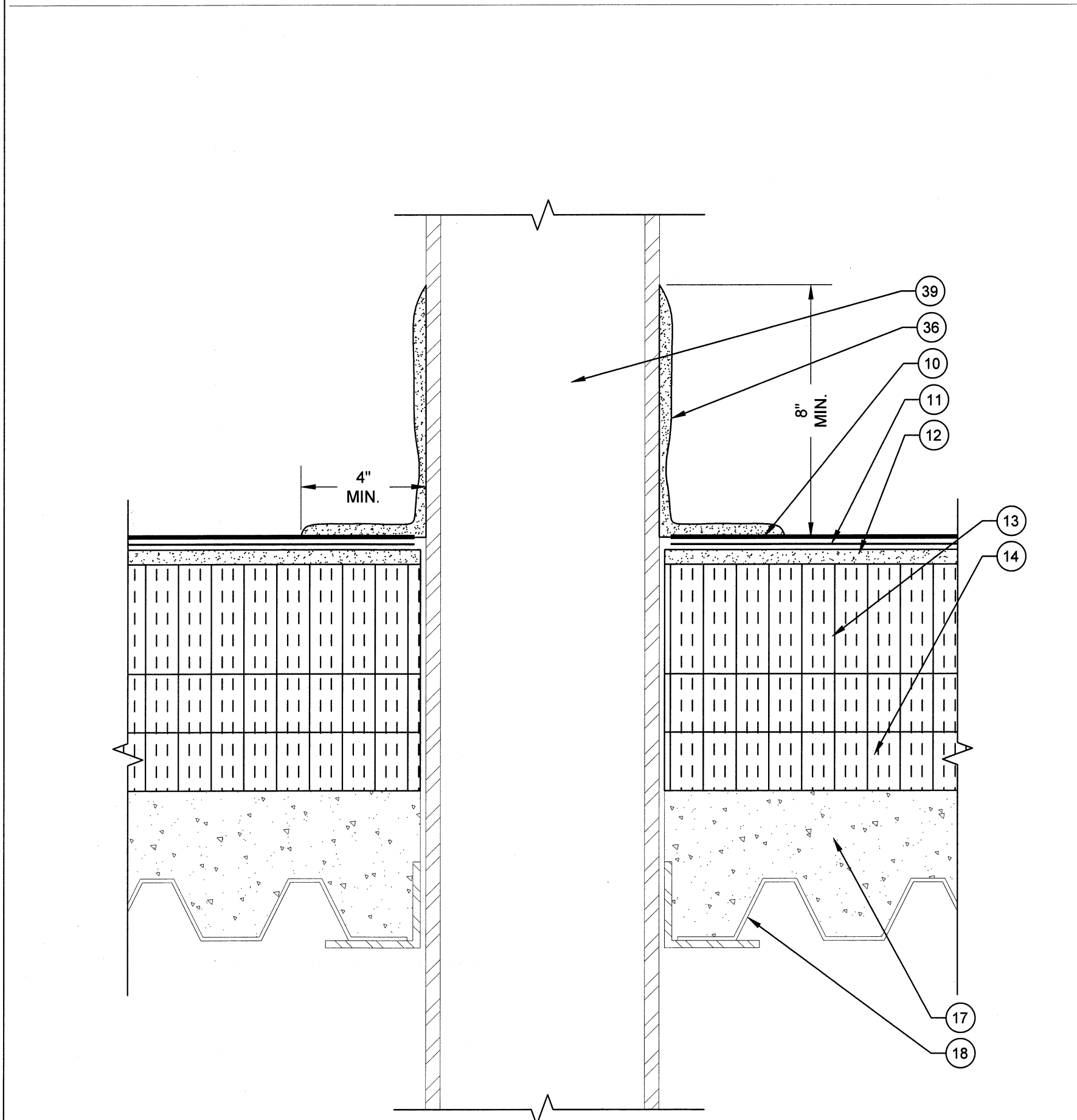
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57. NEW METAL CAP COVER
58. EXISTING WOOD BLOCKING FASTENERS WITH NEOPRENE WASHERS
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61. NEW FORM CLOSURE
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66. NEW MIDSPAN SUPPORT
67. NEW 2" x 3" Z 20 ga. CLIPS (4)
68. NEW 3/4" CONCRETE LAG
69. EXISTING PLYWOOD
70. NEW BATT INSULATION
71. NEW 1/2" STEEL Z ANGLE
72. NEW METAL DECKING

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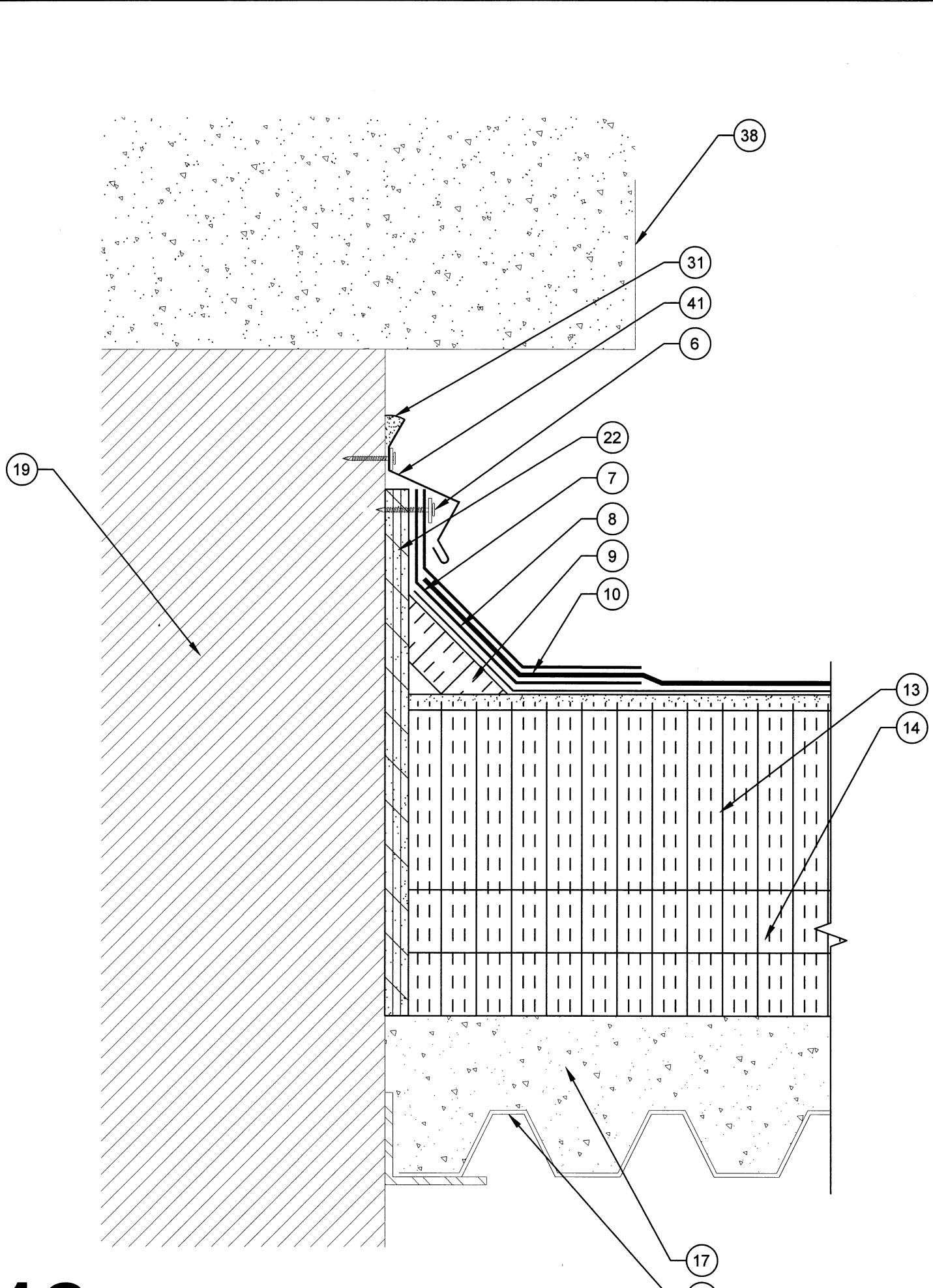




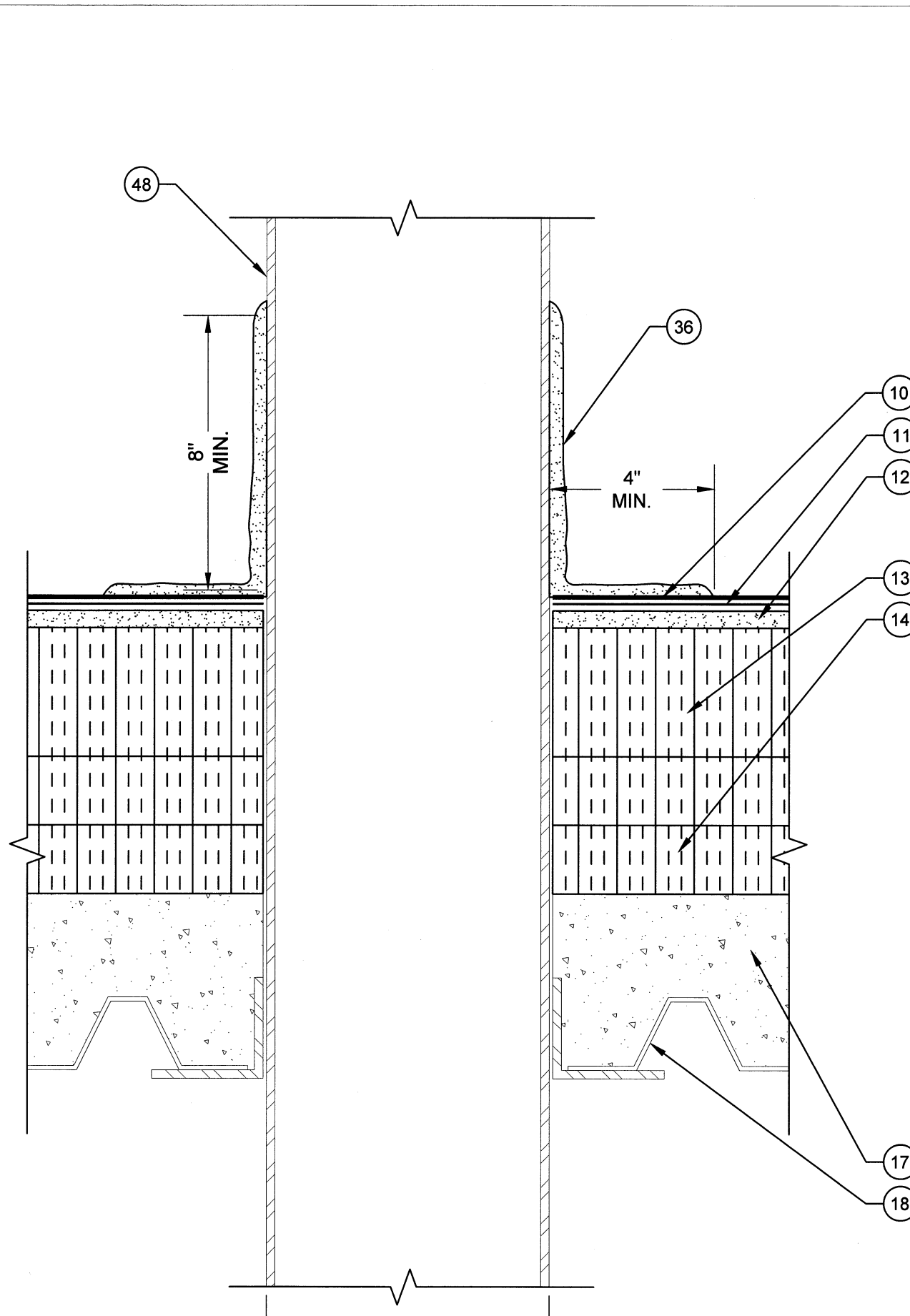
D11 SATELLITE CURB DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



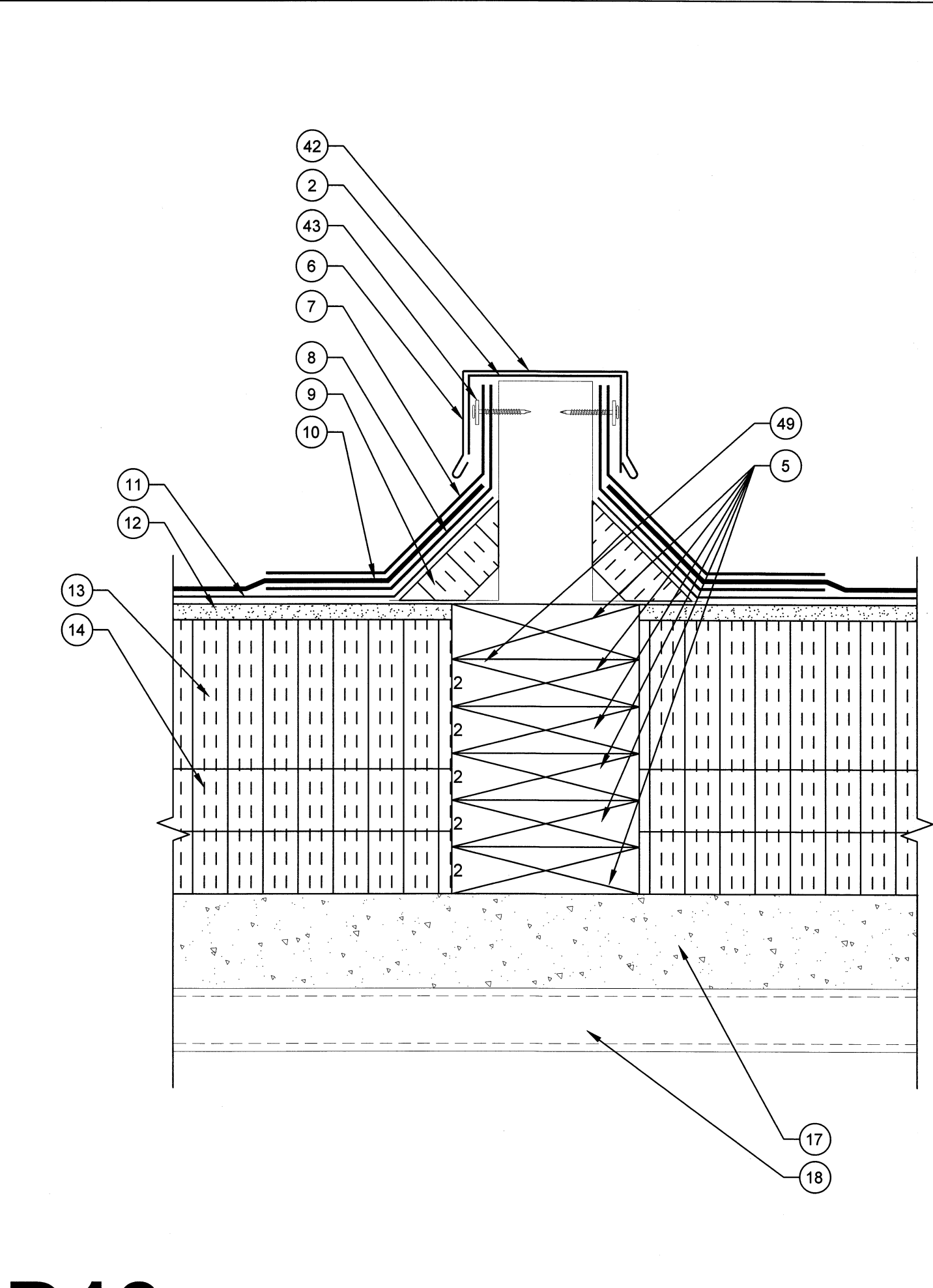
D14 I-BEAM DETAIL
SCALE: 3" = 1"
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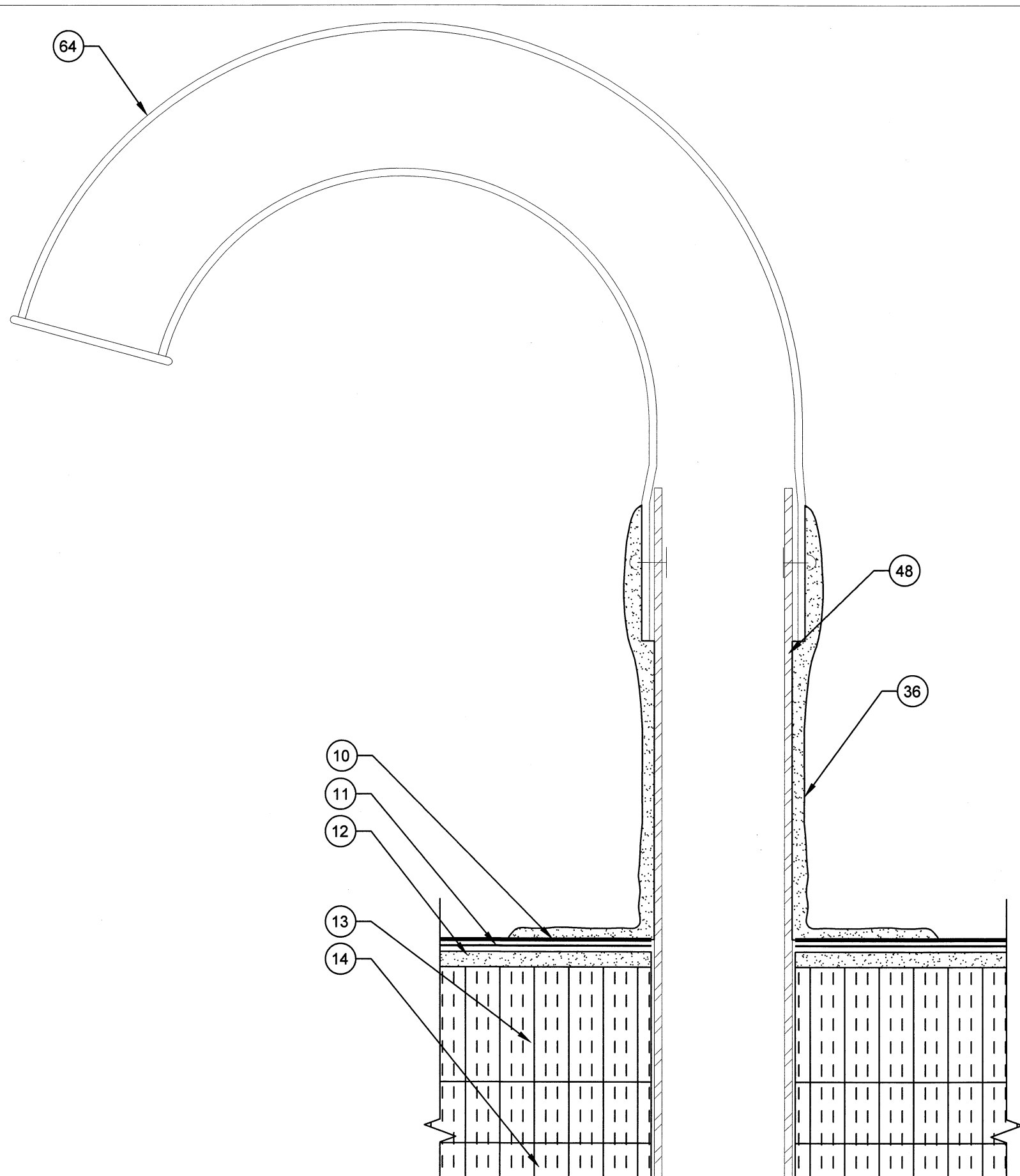
D12 WALL DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D15 PIPE FLASHING DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D13 UPPER ROOF SLEEPER DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

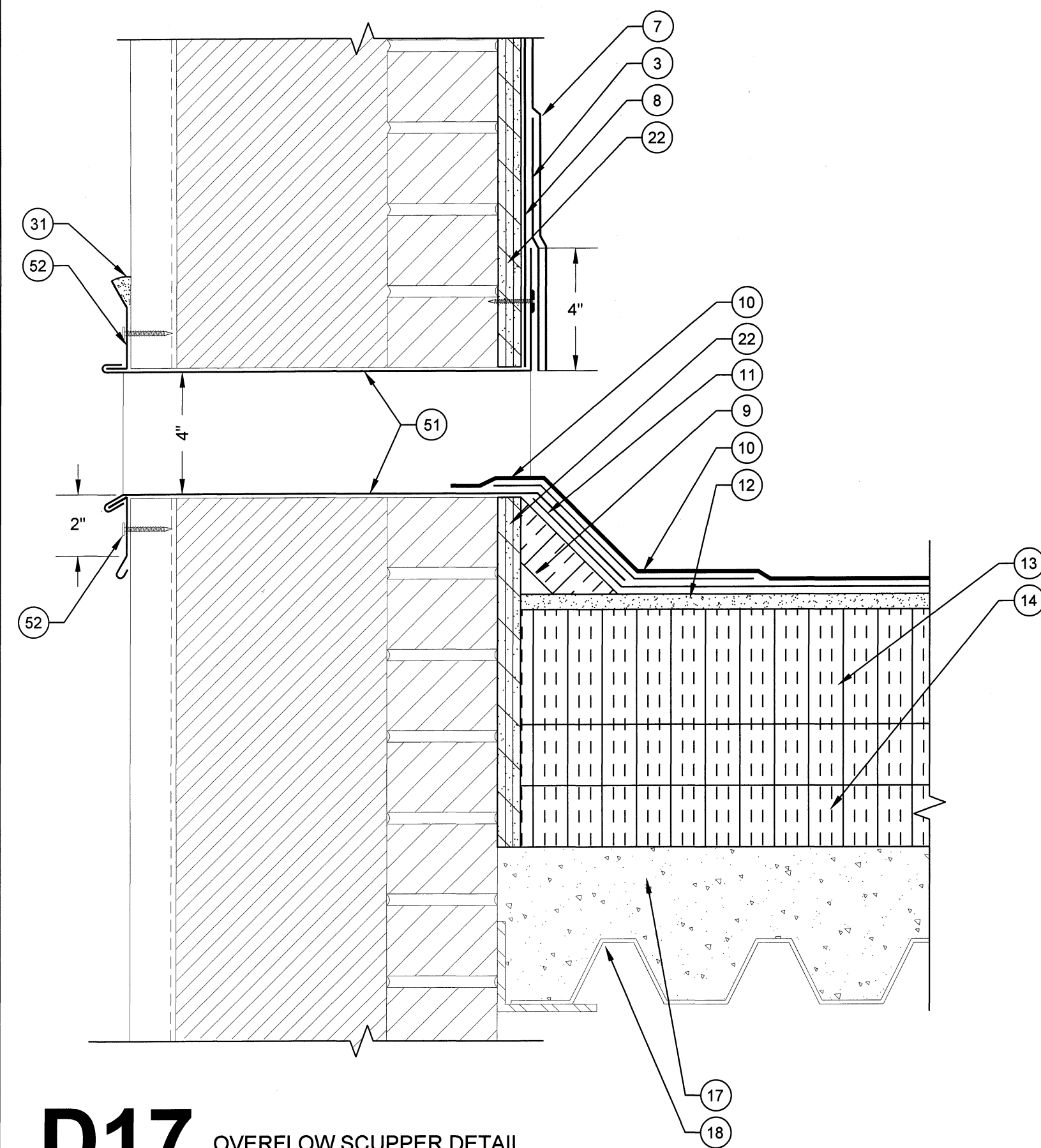


D16 PIPE PENETRATION DETAIL (GOOSENECK)
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

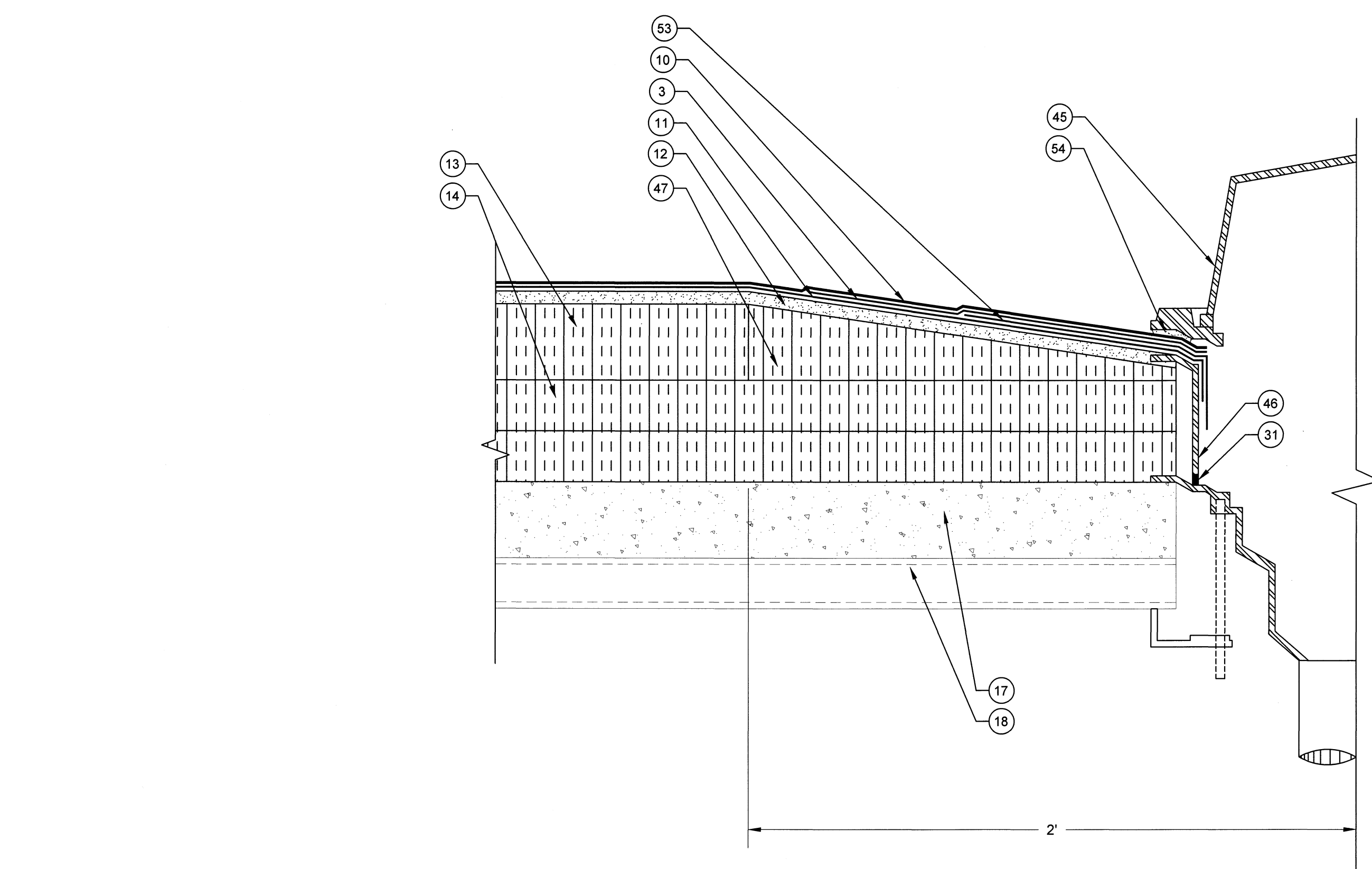
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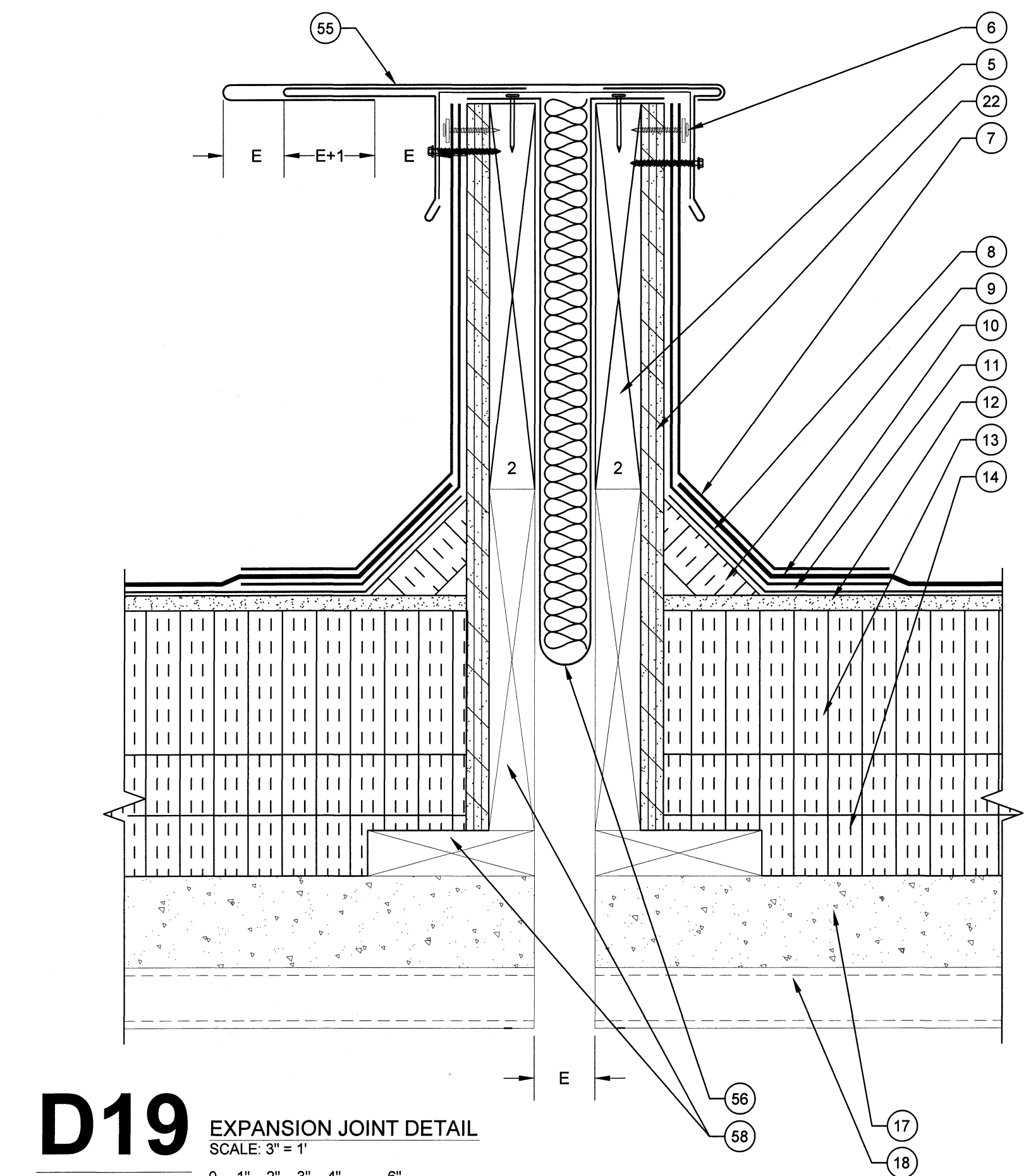
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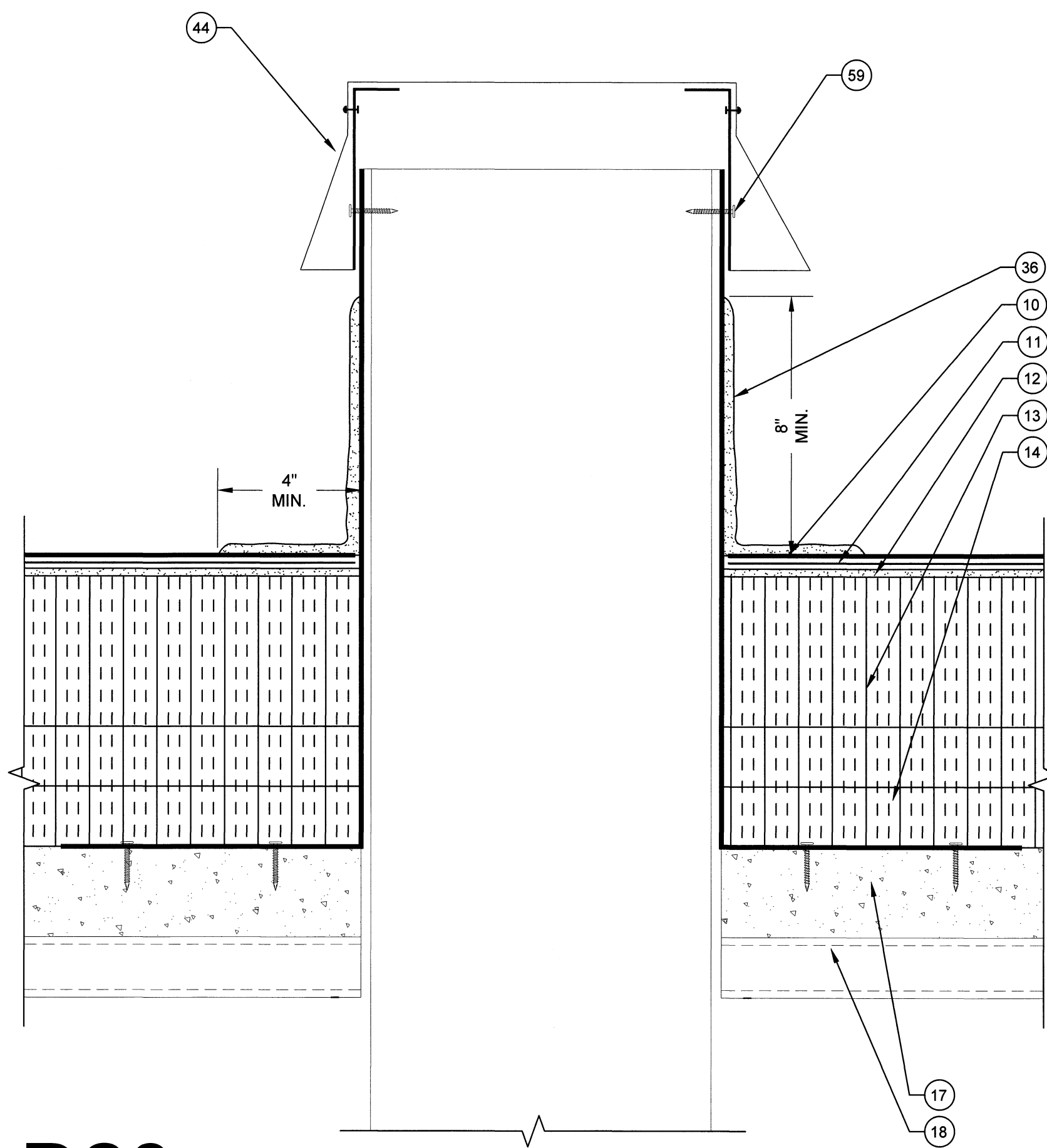
D17 OVERFLOW SCUPPER DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D18 ROOF DRAIN DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



D19 EXPANSION JOINT DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"



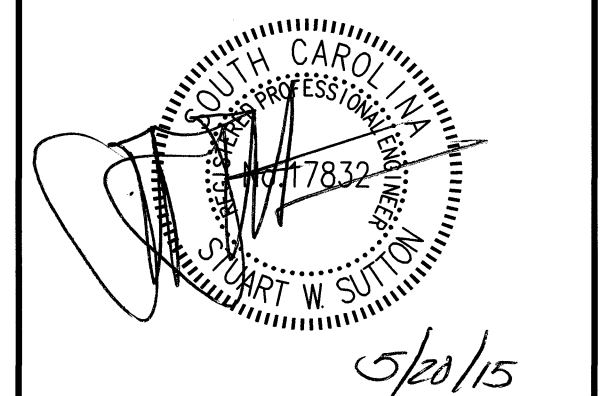
D20 FLAT ROOF CAP DETAIL
SCALE: 3" = 1"
0 1" 2" 3" 4" 6"

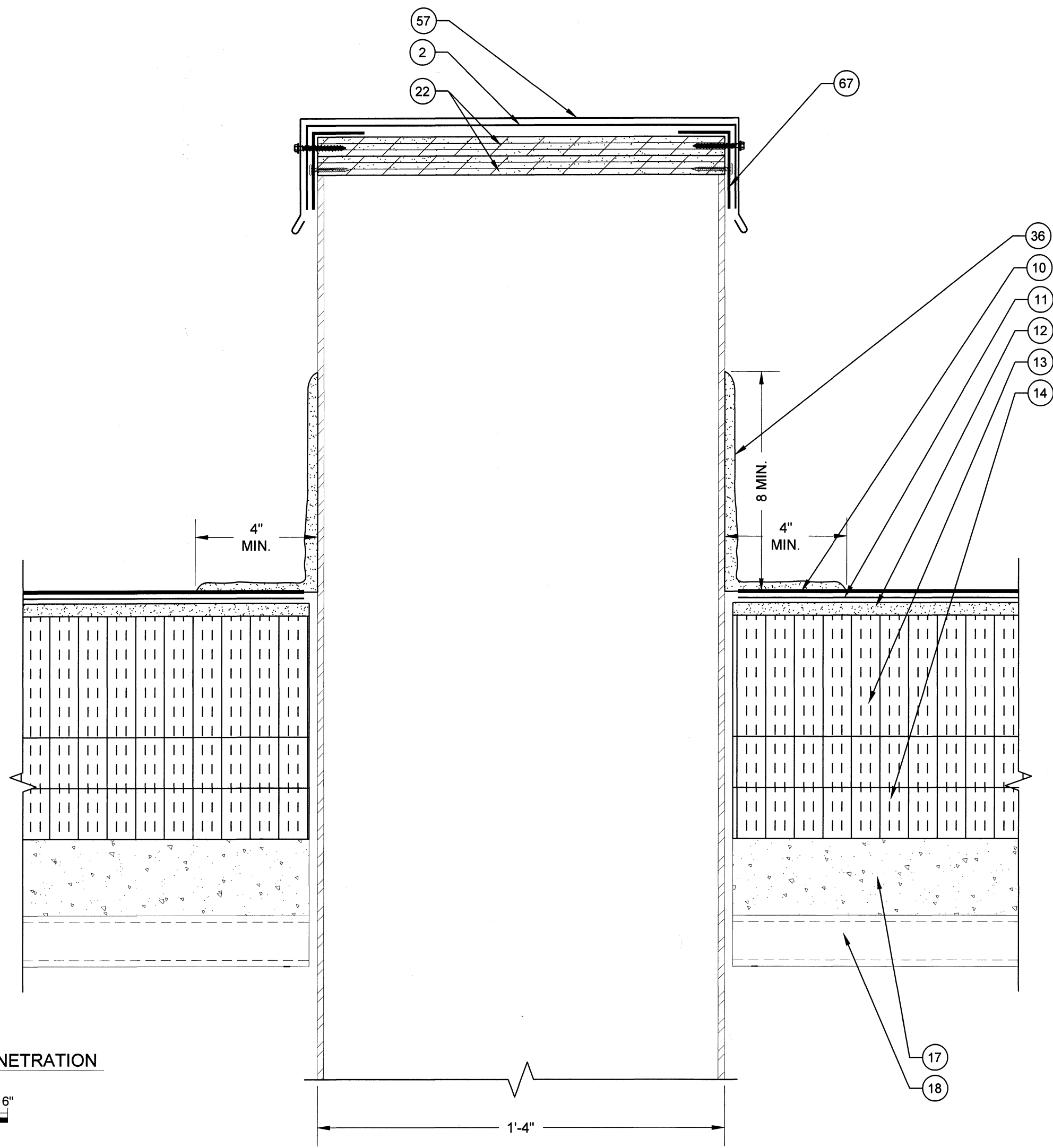
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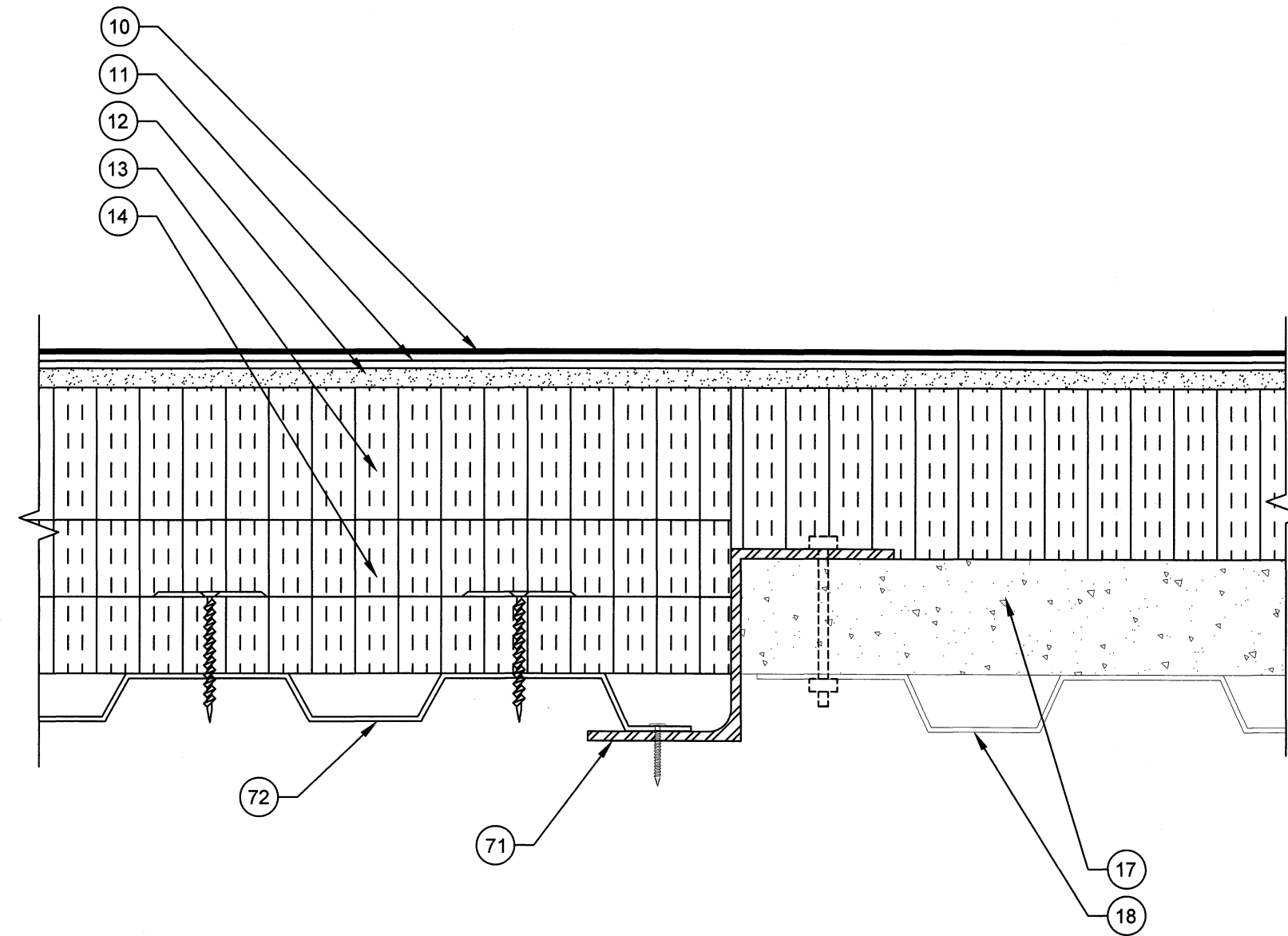
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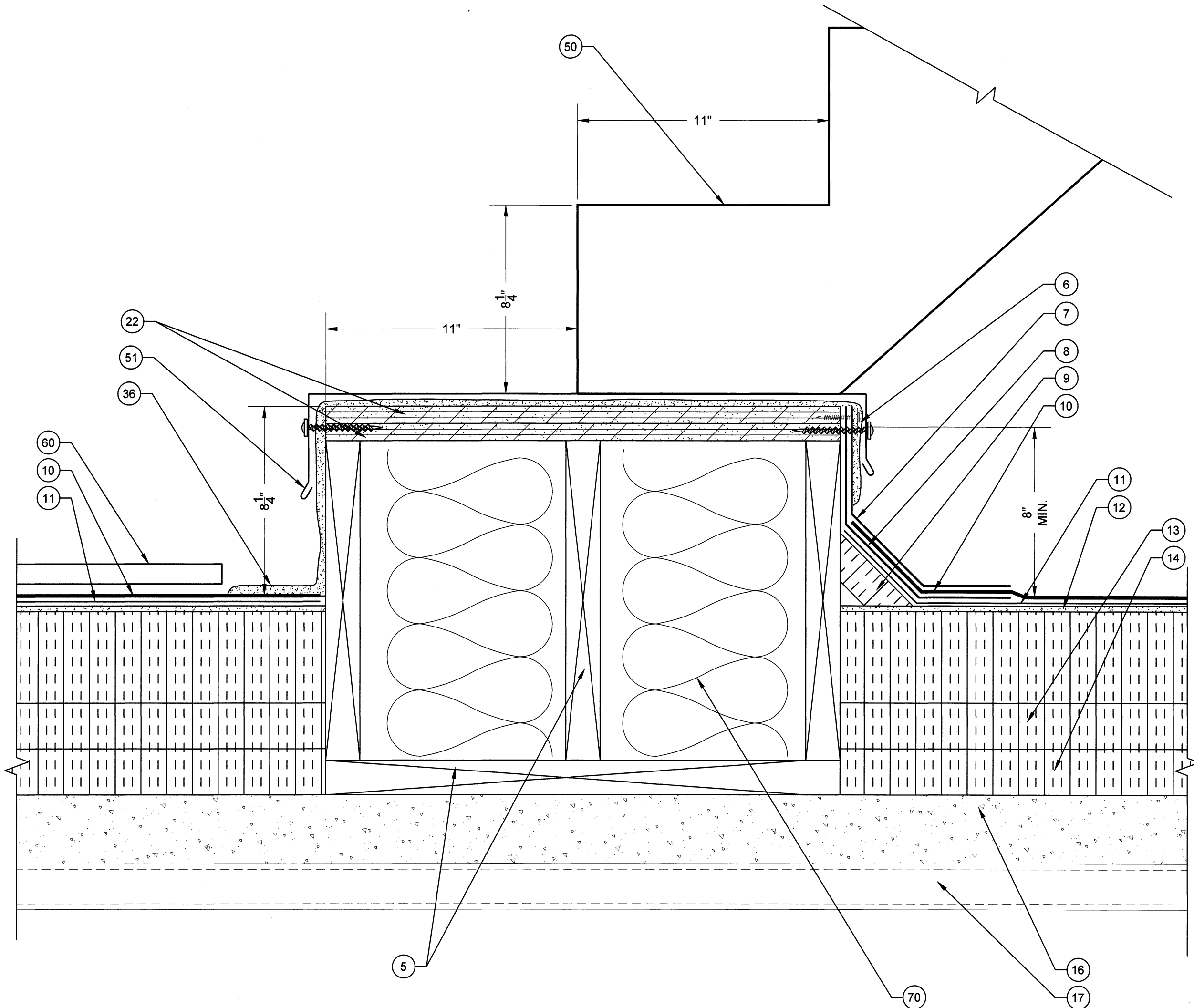




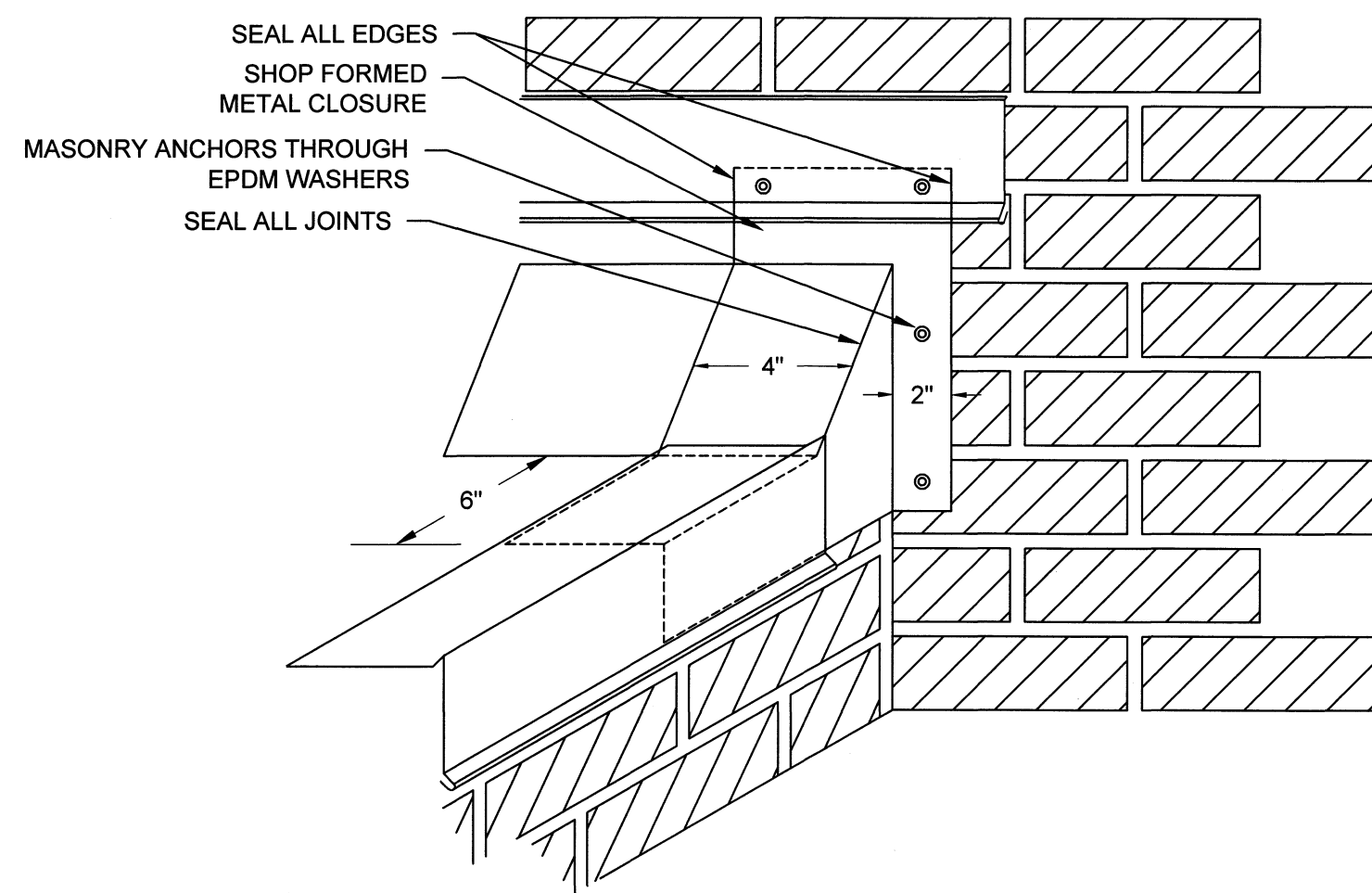
D21 COVER VENT PENETRATION
SCALE: 3" = 1'
0 1" 2" 3" 4" 6"



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



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



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

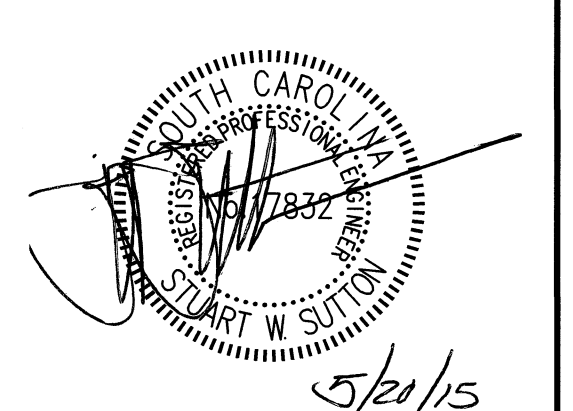
D24 BASE CLOSURE DETAIL
SCALE: NTS

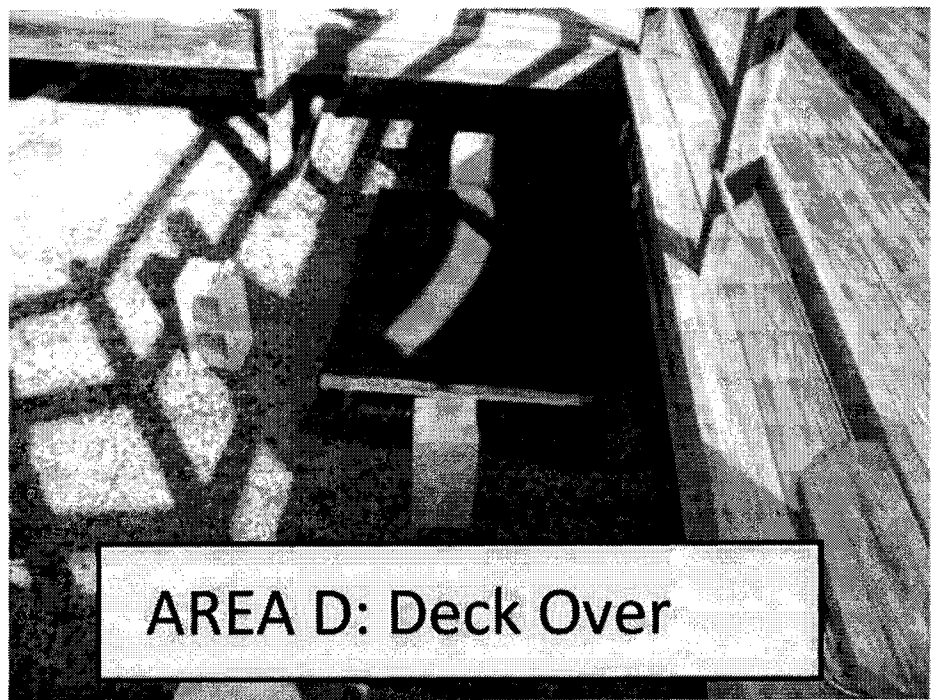
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24. EXISTING CURB (WITH BUILT-IN CANT)
25. EXISTING CURB COVER
26. EXISTING ROOF HATCH
27. NEW STAINLESS STEEL COUNTER FLASHING WITH RECEIVER
28. NEW BRICK (TO MATCH EXISTING)
29. NEW WEERS (OMIT MORTAR AT HEAD JOINTS)
30. NEW FLEXIBLE COPPER FLASHING
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
53. NEW LEAD FLASHING
54. NEW WATER-TIGHT MASTIC
55. NEW EXPANSION JOINT COVER
56. NEW BATT INSULATION IN POLYETHYLENE ENVELOPE
57. NEW METAL CAP COVER
58. EXISTING WOOD BLOCKING
59. FASTENERS WITH NEOPRENE WASHERS
60. NEW WALK PADS
61. NEW FORM CLOSURE
62. NEW STILL FLASHING
63. NEW WOOD FRAMING
64. EXISTING GOOSE NECK
65. NEW METAL DECK PAINTED ON INTERIOR TO MATCH EXISTING
66. NEW MIDSPAN SUPPORT
67. NEW 2" x3" Z 20 ga. CLIPS (4)
68. NEW 3/4" CONCRETE LAG
69. EXISTING PLYWOOD
70. NEW BATT INSULATION
71. NEW 3" STEEL Z ANGLE
72. NEW METAL DECKING

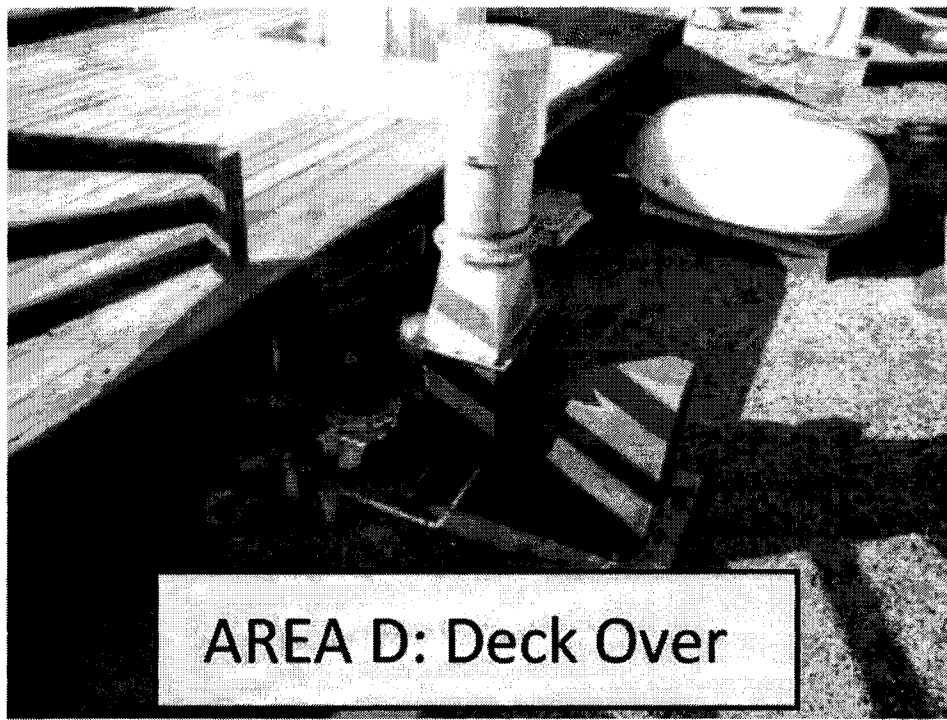
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NOT FOR CONSTRUCTION
- ☐ SURVEY REPORT SUBMITTAL:
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- ☐ CONSTRUCTION DOCUMENT SUBMITTAL:
NOT FOR CONSTRUCTION
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- ☐ ADDENDUM SUBMITTAL
- ☐ RECORD DRAWINGS

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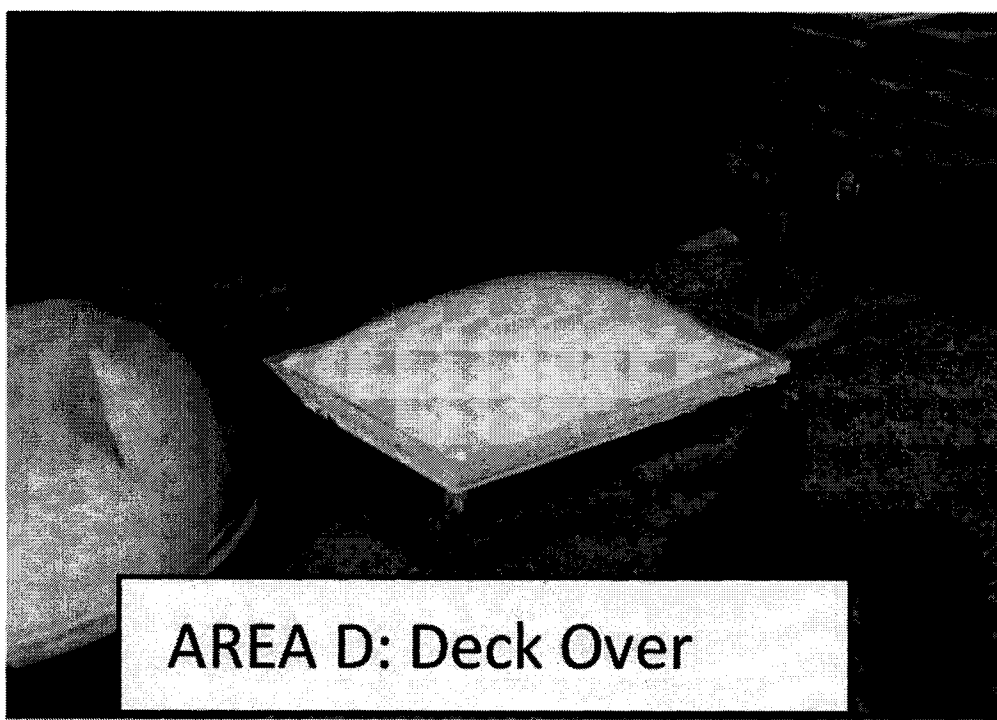




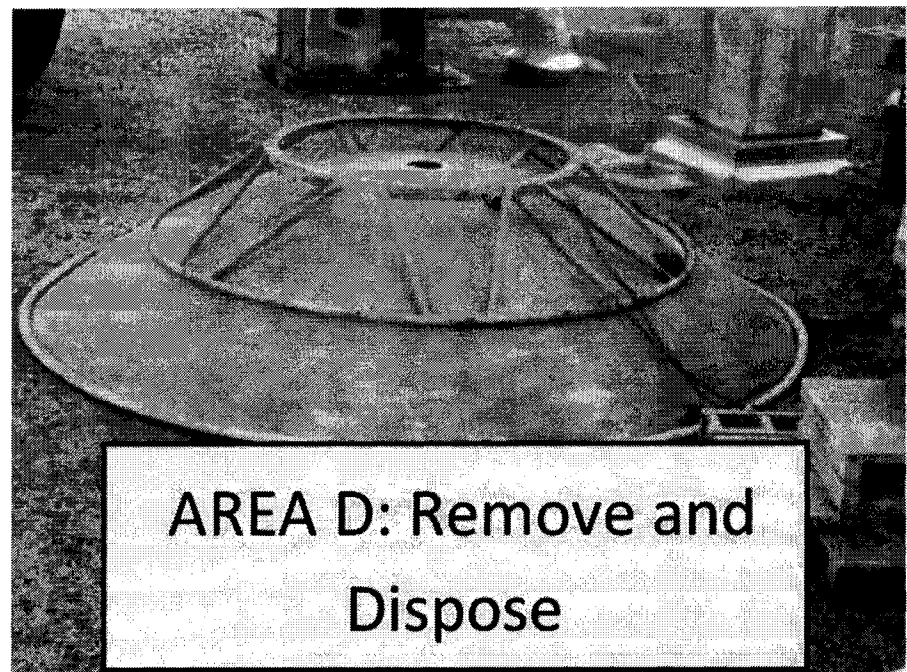
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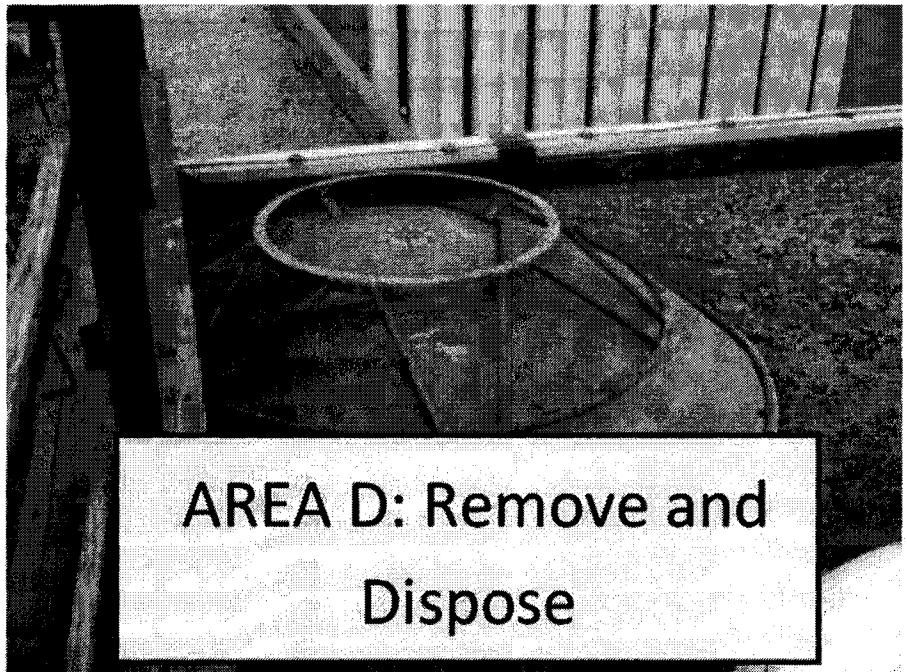
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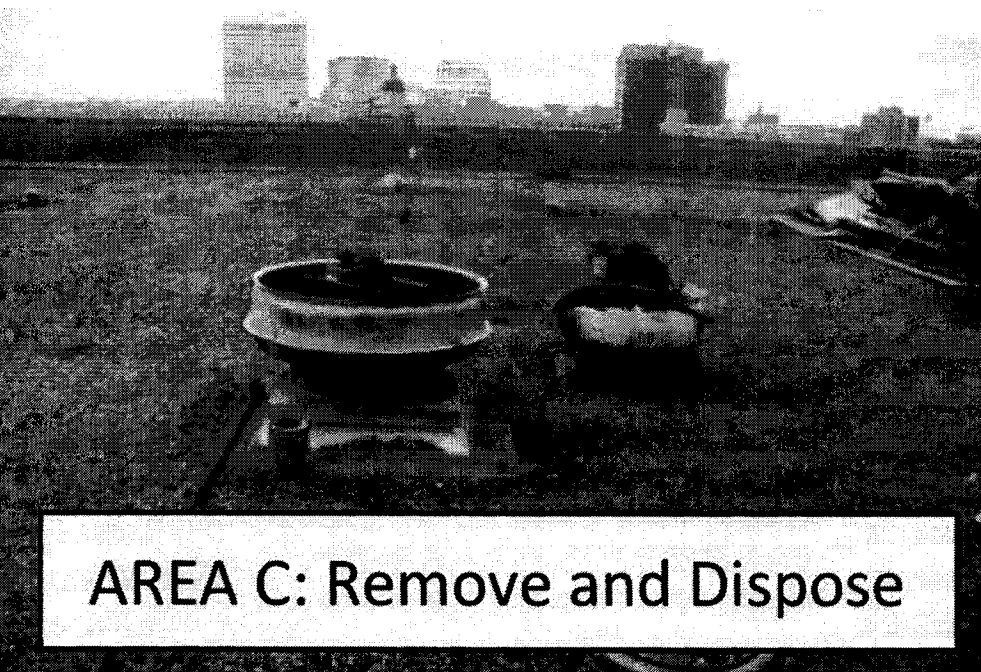
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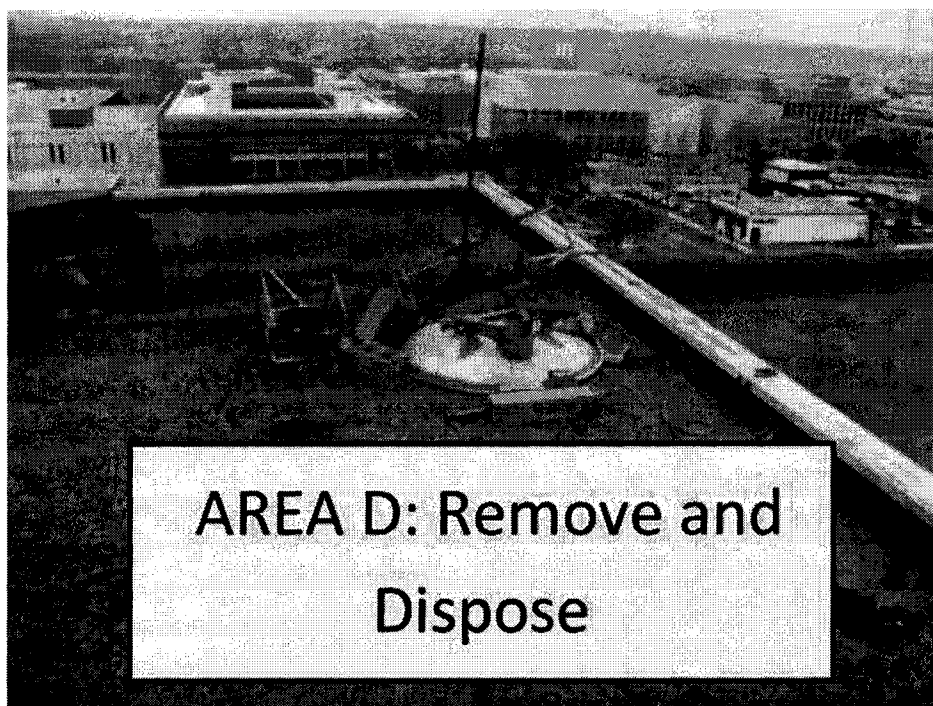
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AREA D: Remove and Dispose



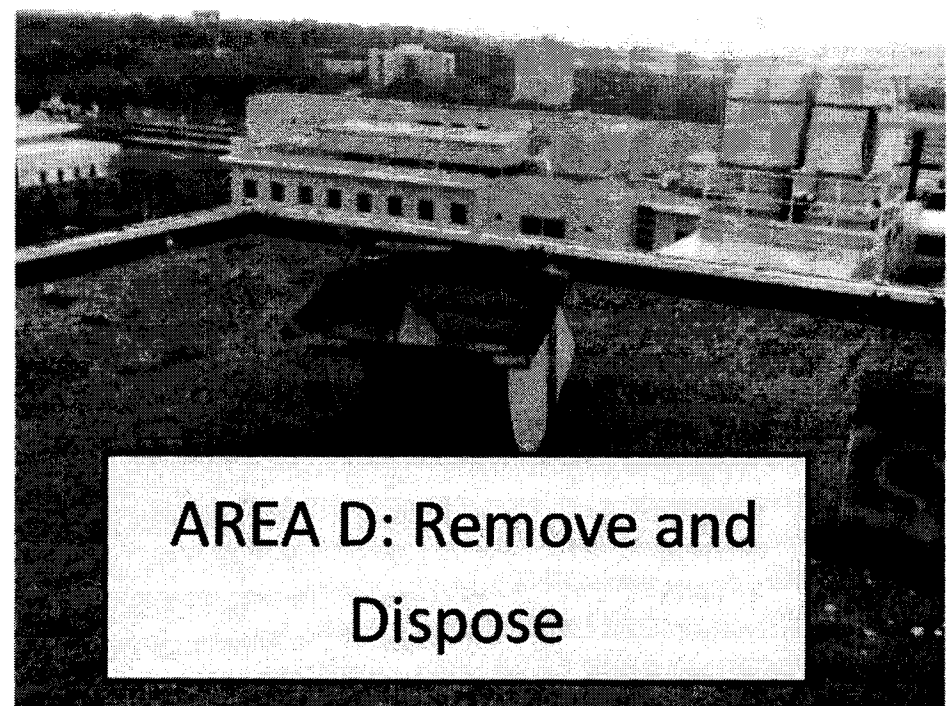
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AREA D: Remove and Dispose



AREA D: Deck Over



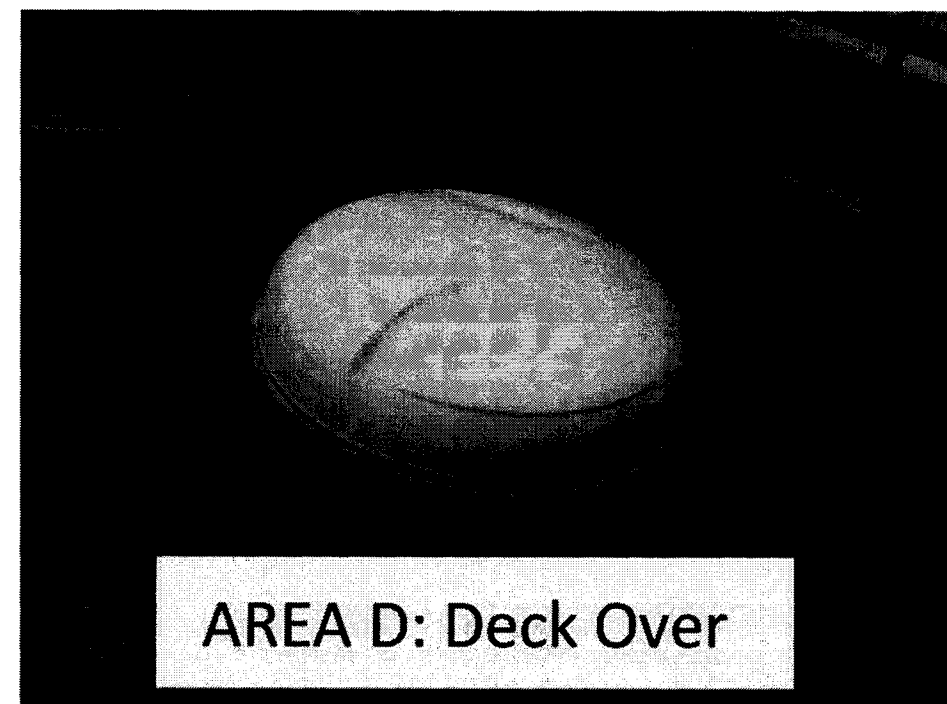
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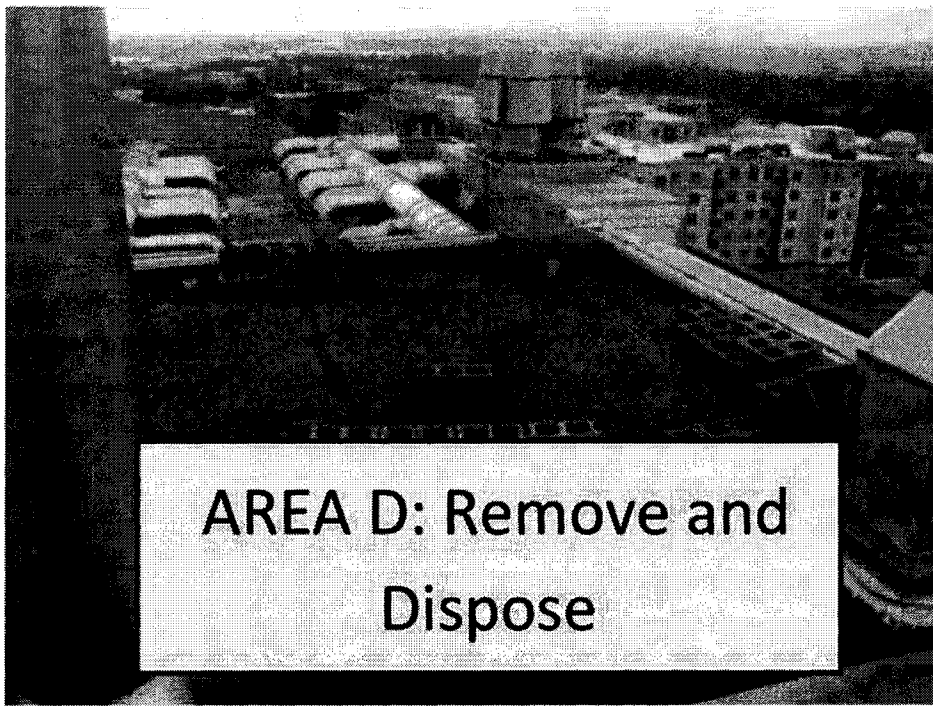
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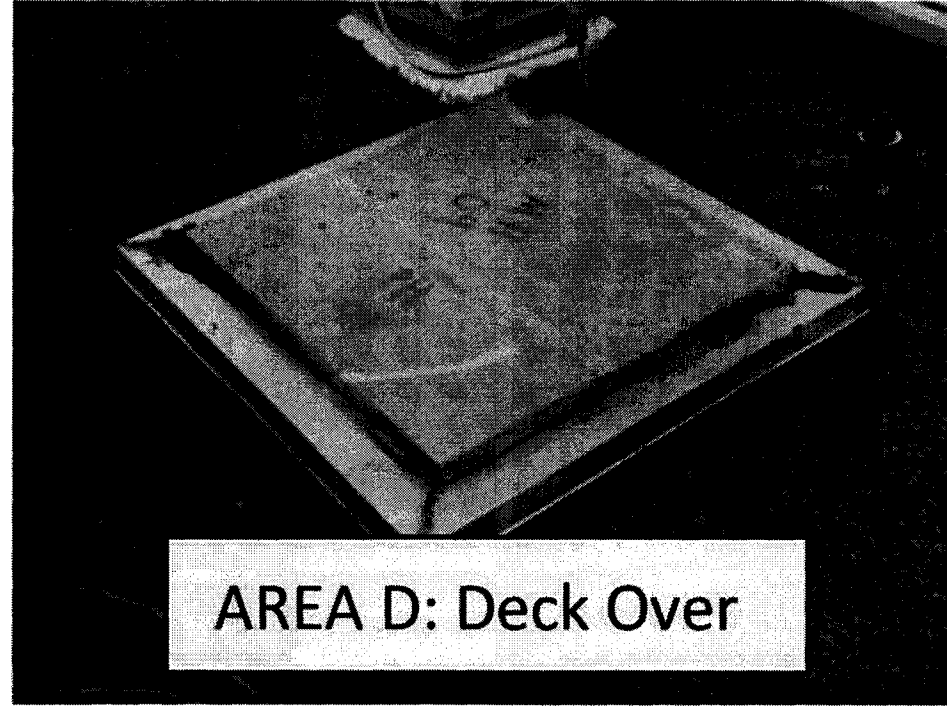
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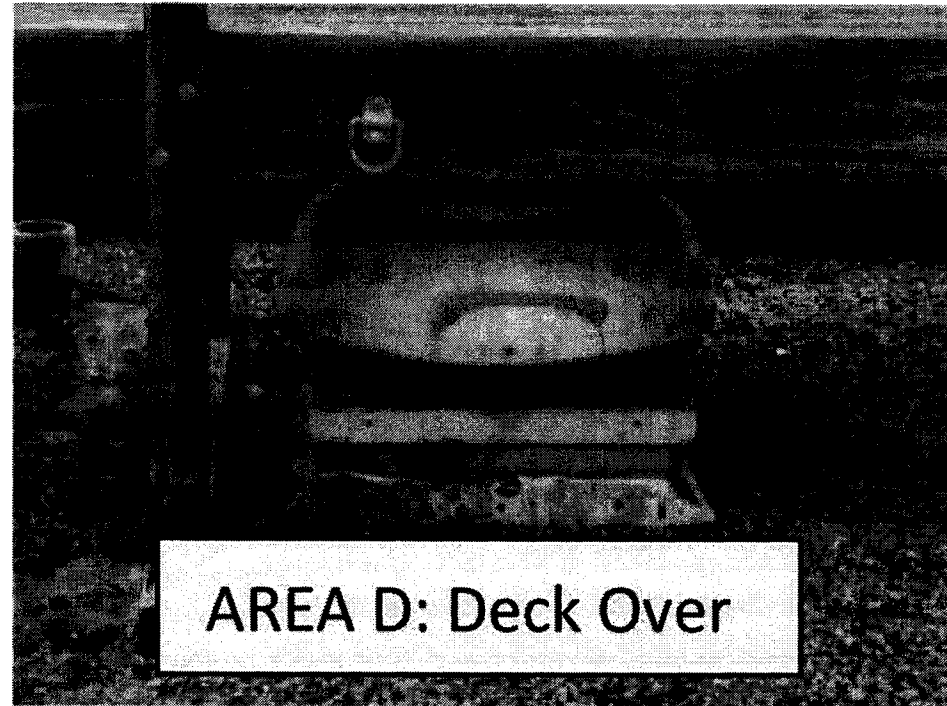
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AREA D: Remove and Dispose



AREA D: Deck Over



AREA D: Deck Over

PROJECT NAME AND ADDRESS:

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



ISSUE DATE:

MAY 20, 2015

ISSUE FOR:

- ☐ DESIGN DEVELOPMENT SUBMITTAL:
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☐ RECORD DRAWINGS

PROJECT TEAM:

DESIGNED BY:

KRC

DRAWN BY:

EGM II

APPROVED BY:

VTN

PROJECT NUMBER:

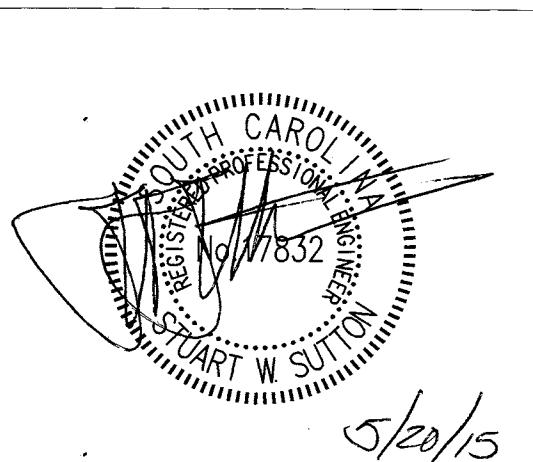
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ADDENDUM:

NO 1: DATE: DESCRIPTION:

NO 1:	DATE:	DESCRIPTION:

ENGINEER STATE LICENSE SEAL



TITLE SHEET:

REMOVALS

SHEET NUMBER:

R-205