DRAWING INDEX

ADHERED EPDM ROOF SYSTEM

BALLASTED EPDM ROOF SYSTEM

MECHANICALLY ATTACHED EPDM ROOF SYSTEM

SERIAL NO.		DETAIL NO.	DESCRIPTION			
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5	E	1.3.2	PRODUCT LEGEND			
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		2	**MEMBRANE DAMAGES & REPAIRS**			
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11	E	2.5.1	MEMBRANE SEAM - RESTORATION OF FIELD SEAM. PAGE 1 OF 2	◉	◉	◉
12	E	2.5.2	MEMBRANE SEAM - RESTORATION OF FIELD SEAM. PAGE 2 OF 2	◉	◉	◉
13	E	2.6.1	RESTORATION OF SPLICED SEAMS WITH IN-SEAM SEALANT	◉	◉	◉
14	E	2.6.2	RESTORATION OF SEAMS WITH EXISTING SEAM TAPE	◉	◉	◉
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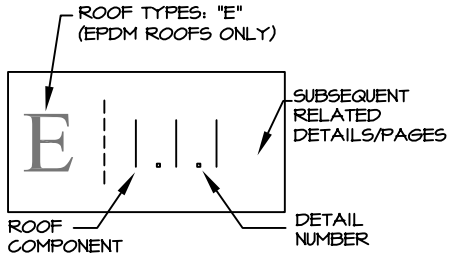
16	E	2.6.4	MEMBRANE SEAM - RESTORATION OF FIELD SEAM AT VERTICAL TRANSITION	◉	◉	◉
		3	**FASTENERS' FIELD DEVELOPED DEFICIENCIES**			
17	E	3.1.1	FASTENER'S PROTRUSION WITH TENTING CONDITION. PAGE 1 OF 2	◉		◉
18	E	3.1.2	FASTENERS-PROTRUSION WITH WET CONDITIONS. PAGE 2 OF 2. ROOF REPLACEMENT STAGE	◉		◉



EPDM ROOF MEMBRANE: RESTORATION DETAILS

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FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):
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EPDM ROOF RESTORATION DETAIL
E 1.1.1

DRAWING INDEX

SERIAL NO.		DETAIL NO.	DESCRIPTION	ADHERED EPDM ROOF SYSTEM	BALLASTED EPDM ROOF SYSTEM	MECHANICALLY ATTACHED EPDM ROOF SYSTEM
		4	**ROOF EDGE DEFICIENCIES**			
19	E	4.1	GRAVEL STOP EDGE RESTORATION DETAIL	◉	◉	◉
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		5	**VERTICAL FLASHING DEFICIENCIES**			
21	E	5.1	FLASHING TENTING CONDITION AT VERTICAL TRANSITIONS OF RISING WALLS	◉	◉	◉
22	E	5.2.1	FLASHING WITH BATTEN ATTACHMENT - PAGE 1 OF 3. SEE 5.2.2 & 5.2.3 FOR 3D VIEWS.	◉	◉	◉
23	E	5.2.2	3-D VIEW OF DETAIL 5.2.1 "A" & "B"	◉	◉	◉
24	E	5.2.3	3-D VIEW OF DETAIL 5.2.1 "C"	◉	◉	◉
25	E	5.3	FLASHING RESTORATION AT TERMINATION BARS			
		6	**CORNER FLASHING DEFICIENCIES**			
26	E	6.1	OUTSIDE CORNER FLASHING RESTORATIO DETAIL	◉	◉	◉
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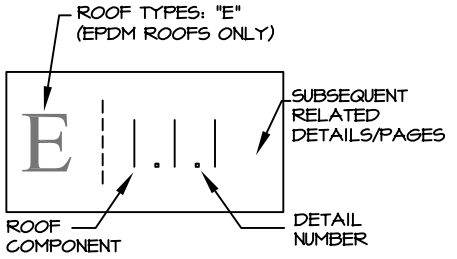
		7	**ROOF PENETRATION DEFICIENCIES**			
28	E	7.1.1	PREMOLDED FLASHING REPIAR # 1	◉	◉	◉
29	E	7.1.2	PREMOLDED FLASHING REPIAR # 2	◉	◉	◉
30	E	7.1.3	PREMOLDED FLASHING REPIAR # 3	◉	◉	◉
31	E	7.2.1	RESTORATION OF FIELD FABRICATED FLASHING DETAIL.	◉	◉	◉



EPDM ROOF MEMBRANE: RESTORATION DETAILS

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DRAWING INDEX - PAGE 2 OF 3

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

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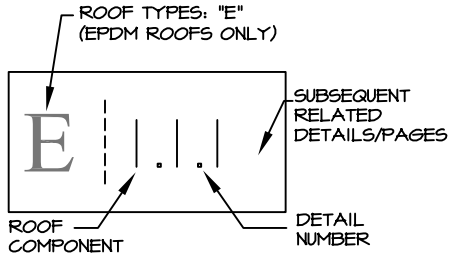
EPDM ROOF RESTORATION DETAIL

E 1.1.2

DRAWING INDEX

SERIAL NO.		DETAIL NO.	DESCRIPTION	ADHERED EPDM ROOF SYSTEM	BALLASTED EPDM ROOF SYSTEM	MECHANICALLY ATTACHED EPDM ROOF SYSTEM
		8	**ROOF DRAINAGE SYSTEM DEFICIENCIES**			
32	E	8.1.1	TROUBLESHOOTING AT SCUPPER ABOVE MASONRY CAVITY WALL	◉	◉	◉
33	E	8.1.2	TROUBLESHOOTING AT SCUPPER ABOVE STUD WALL	◉	◉	◉
34	E	8.1.3	RESTORATION OF THROUGH WALL SCUPPER DETAIL	◉	◉	◉
35	E	8.2.1	RESTORATION OF OVERFLOW SCUPPER DETAIL	◉	◉	◉
36	E	8.3.1	TYP. ROOF DRAIN FLASHING REPAIR	◉	◉	
37	E	8.4.1	TROUBLESHOOTING FOR MOISTURE-LADEN INSULATION AT ADJUSTABLE HEIGHT ROOF DRAIN	◉		◉
		9	**MEMBRANE ADDITIONAL SECUREMENT AGAINST WIND UP-LIFT**			
38	E	9.1.1	MEMBRANE FASTENING IN THE FIELD OF MEMBRANE	◉		◉
39	E	9.1.2	MEMBRANE FASTENING AT MEMBRANE SEAMS	◉		◉



EPDM ROOF MEMBRANE: RESTORATION DETAILS

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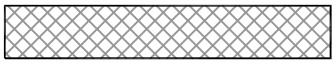
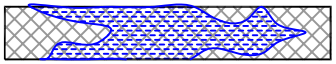
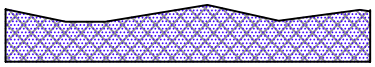
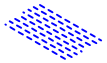
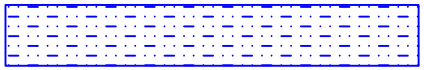
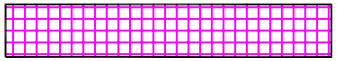
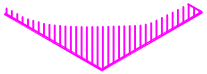
FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

1.1.1	1.1.2

EPDM ROOF RESTORATION DETAIL

E 1.1.3

LEGEND

	EXISTING RIGID BOARD ROOF INSULATION - DRY		NEW BONDING ADHESIVE IN 2D DETAIL.
	EXISTING RIGID BOARD ROOF INSULATION - WET, SHOWING MOISTURE CONDITIONS AFTER ROOF SURVEY.		EXISTING BONDING ADHESIVE IN 2D DETAIL.
	COMPRESSED & WET INSULATION		NEW/EXISTING BONDING ADHESIVE IN 3D SKETCH
	WATER (NOT MOISTURE)		EXISTING SEAM OVERLAY
	NEW REPLACEMENT RIGID BOARD INSULATION TO MATCH WITH EXISTING IN TYPE & THICKNESS		NEW SPLICING CEMENT IN 2D DETAIL.
	EPDM MEMBRANE DAMAGED DUE TO OIL OR FAT.		EXISTING SPLICING CEMENT IN 2D DETAIL.
	ROOF STONE BALLAST AT BALLASTED EPDM ROOFS		SPLICING CEMENT IN 3D SKETCH.
	EXISTING FOAM INSULATION AROUND PIPES		HP-250 PRIMER
	SEAM TAPE IN 3-D SKETCHES		WEATHERED MEMBRANE CLEANER

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PRODUCT LEGEND & ABBREVIATIONS

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

1.3.2	1.3.3

EPDM ROOF RESTORATION DETAIL

E 1.3.1

LEGEND

	3" OR 6" SecurTAPE		WIND-DRIVEN RAIN
	NEW WATER CUT-OFF MASTIC		MIGRATING RAIN WATER INSIDE THE BUILDING ENVELOPE
	EXISTING WATER CUT-OFF MASTIC		LOOSE BATT INSULATION IN STUD WALLS
	NEW IN-SEAM SEALANT		EXISTING FACE BRICK
	EXISTING IN-SEAM SEALANT		EXISTING CMU (CONCRETE MASONRY UNIT)
OR	EXISTING TERMINATION BAR		EXISTING CAVITY WALL INSULATION
	NEW TERMINATION BAR		NEW LAP SEALANT IN 2D DETAIL.
	NEW WOOD BLOCKING, WHERE REQUIRED		NEW/EXISTING LAP SEALANT IN 3D SKETCH.
	EXISTING WOOD BLOCKING		EXISTING LAP SEALANT IN 2D DETAIL.

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PRODUCT LEGEND & ABBREVIATIONS

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

1.3.1	1.3.3

EPDM ROOF RESTORATION DETAIL

E 1.3.2

ABBREVIATIONS

3-D	3 DIMENSIONAL VIEW		
DIM.	DIMENSION		
P1, P2, P3, P4	PRIORITIES		
RUSS	REINFORCED UNIVERSAL SECUREMENT STRIP		
T.O.D.	TOP OF DECK		
T.O.W.	TOP OF WALL		
YR	YEAR		

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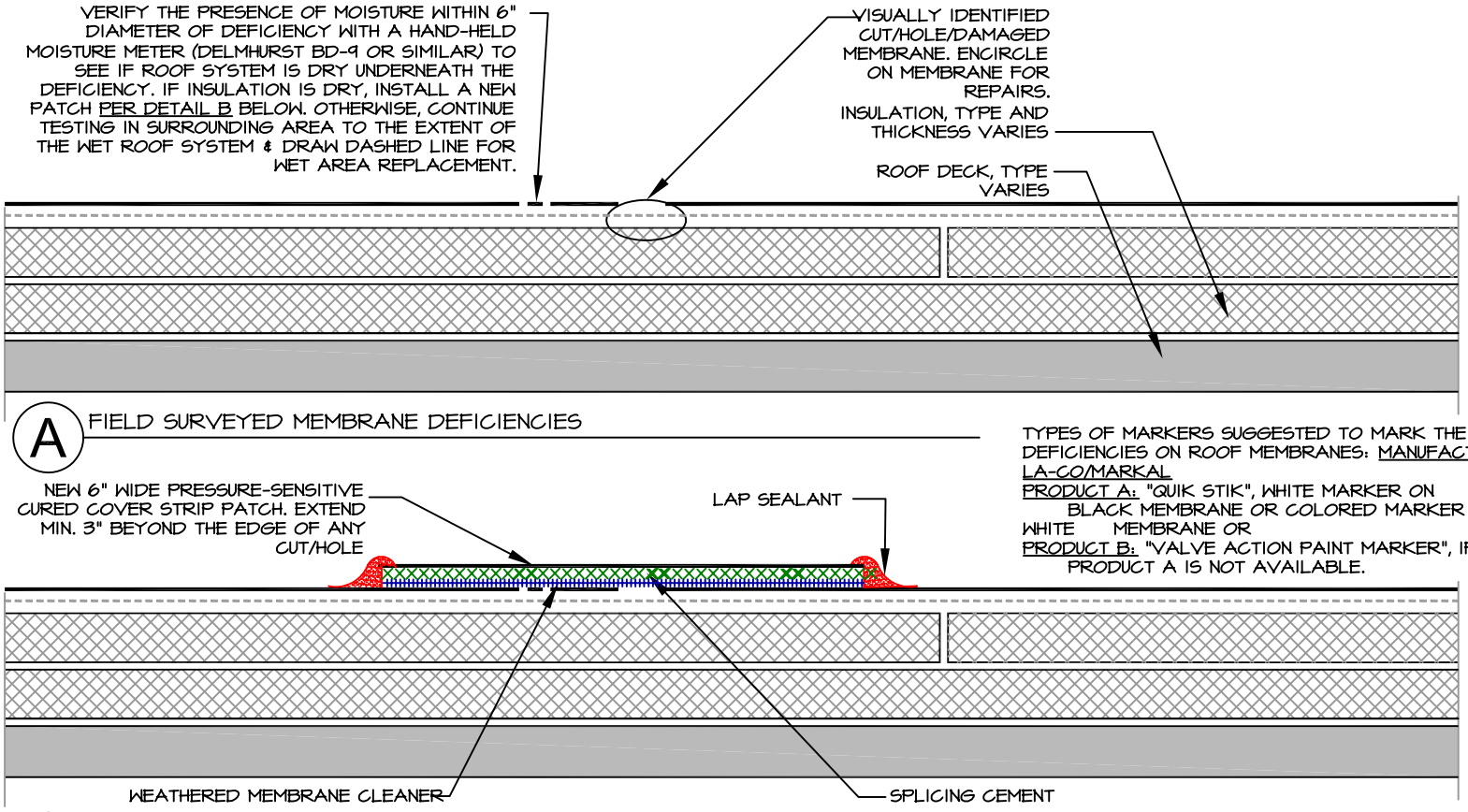
PRODUCT LEGEND & ABBREVIATIONS

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

1.3.1	1.3.2

EPDM ROOF RESTORATION DETAIL

E 1.3.3



SURVEY STEPS:

STEP 1: ON FULLY ADHERED ROOF SYSTEMS, WALK THROUGH VERIFYING EVERY SQUARE FOOT OF ROOF AREA TO IDENTIFY & MARK THE CUTS/HOLES OR SIMILAR DAMAGES IN THE ROOF MEMBRANE. USE LISTED TYPE OF PEN.

STEP 2: ENCIRCLE AROUND THE CUT/HOLE THEN VERIFY BY WALKING IN THE VICINITY OF DEFICIENCY TO FEEL THE SOFTNESS UNDER FOOT PRESSURE. IF THE AREA FEELS SOFTER, LIGHTLY MARK TO THE EXTENT OF SOFTNESS WITH A DASHED LINE USING AN ERASABLE CRAYON.

STEP 3: USE A HAND-HELD MOISTURE METER (DELMHORST BD-9 TO PROBE UNDER THE MEMBRANE TO IDENTIFY THE PRESENCE OF MOISTURE AT CUT/HOLE FIRST. IF FOUND DRY, INSTALL A PATCH PER DETAIL B ABOVE. IF MOISTURE IS RECORDED, CONTINUE TESTING WITHIN THE DASHED LINE AREA TO CONFIRM THE EXTENT OF WET CONDITIONS.

STEP 4: MARK A SOLID LINE WITH ERASABLE CRAYON TO DETERMINE A BOUNDARY BETWEEN DRY & WET ROOF CONDITIONS. THE MARKING MAY APPEAR LIKE A WIGGLY LINE INTO A CLOUD LIKE APPEARANCE.

STEP 5: DEVELOP A STRAIGHT LINE RECTANGULAR AREA AROUND THIS CLOUD FORM TO CONVENE THE ROOF REPLACEMENT WITH NEW INSULATION BOARDS. USE PERMANENT MARKER "QUIK-STIK" FOR FUTURE REPLACEMENT OF WET AREA.

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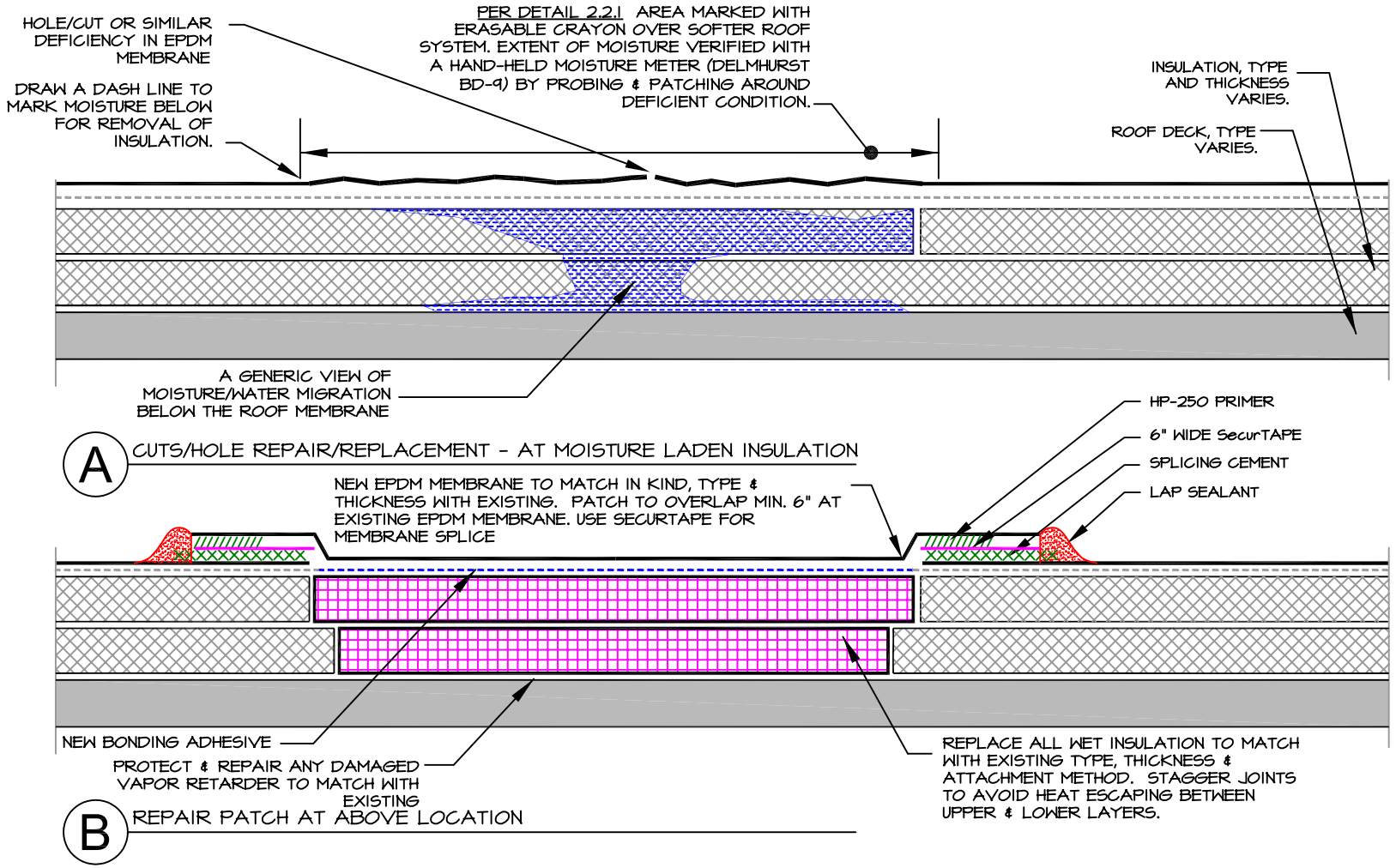
MEMBRANE - CUTS, HOLES OR SIMILAR DAMAGES. PAGE 1 OF 2.

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):
2.2.2
LEGEND1.3.1

EPDM ROOF RESTORATION DETAIL
E 2.2.1



NOTES:

1. THIS DETAIL SHOULD BE USED IN CONTINUATION WITH DETAIL 2.2.1. AND FOLLOW THE ROOF SURVEY STEPS NOTED ON DETAIL 2.2.1. THIS DETAIL ONLY REQUIRES PATCHING OF CUT/HOLES IF THERE IS NO MOISTURE RECORDED IN INSULATION BENEATH THE CUT.
2. ONCE MOISTURE IS RECORDED (SIMILAR TO DEPICTED IN ABOVE DETAIL) MARK FOR REPLACEMENT IN A RECTANGULAR SHAPE DESPITE THE FACT THE MOISTURE DIAGRAM WILL APPEAR LIKE A CLOUD. MAKE A ROOF CUT TO IDENTIFY THE COMPLETE ROOF SYSTEM BELOW TO REPLACE WITH NEW SYSTEM TO MATCH WITH EXISTING.
3. IF PERMANENT PATCH IS NOT INSTALLED, A TEMPORARILY PATCH WITH A DUCT TAPE SHOULD BE INSTALLED TO IMPEDE THE MIGRATION OF MOISTURE UNDER THE MEMBRANE.

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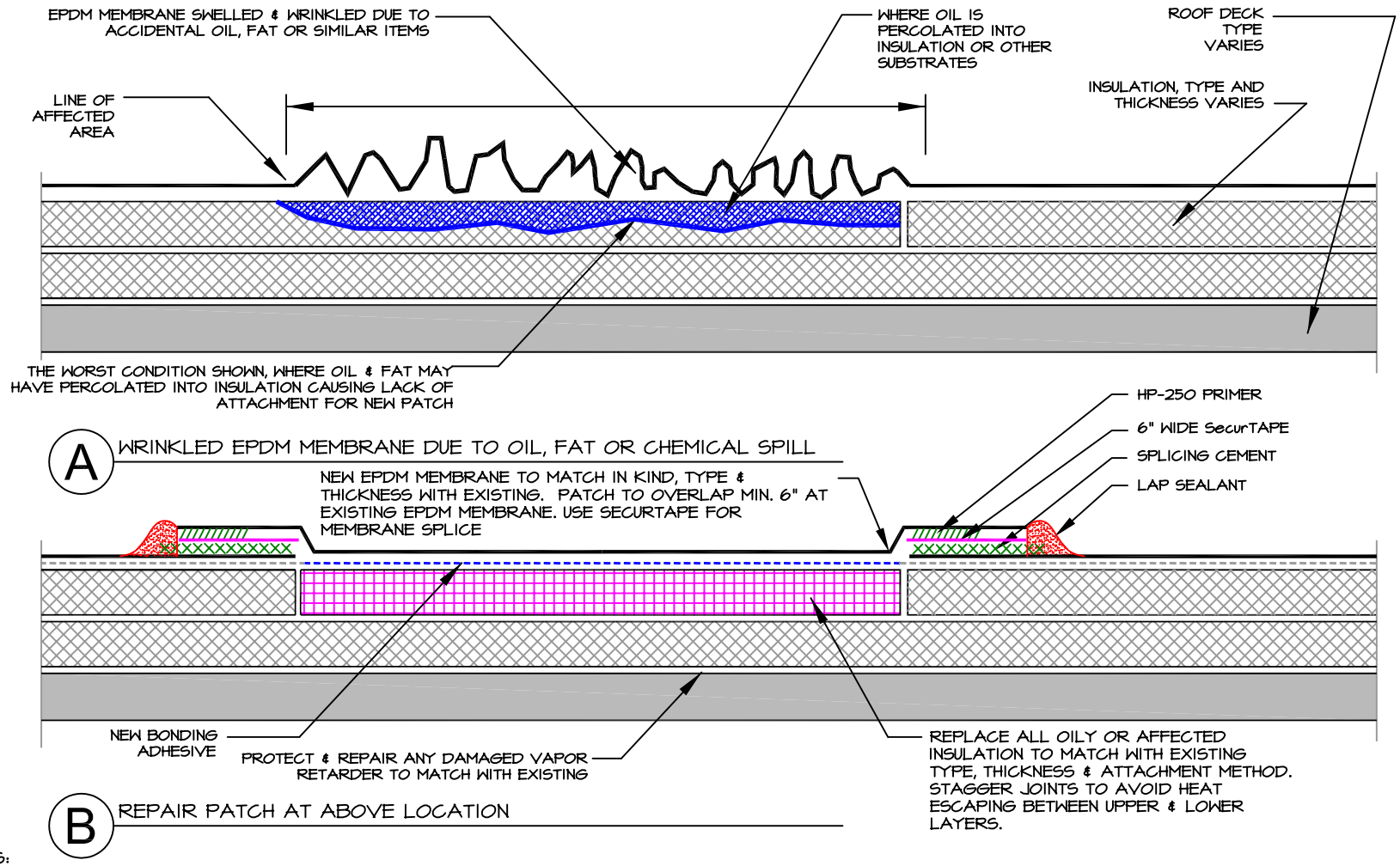
MEMBRANE - WET ROOF AREAS. PAGE 2 OF 2.

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):
2.2.1
LEGEND1.3.1

EPDM ROOF RESTORATION DETAIL
E 2.2.2



NOTES:

1. FIELD VERIFY ALL THE LOCATIONS OF OIL, FAT OR OTHER SIMILAR SPILLAGE ON THE EPDM MEMBRANE. COORDINATE WITH THE OWNER TO AVOID FUTURE SPILLAGE, e.g., MODIFY THE HVAC UNITS CAUSING THE LEAKAGE OF OILS ONTO EPDM MEMBRANE, OR AREAS ABOVE KITCHEN WILL REQUIRE FAT GUARDS WHERE EXHAUST VENTS WERE INSTALLED WITHOUT FAT GUARDS.
2. PATCH INSTALLATION WILL BE A FUTILE EFFORT UNLESS THE CAUSE OF OIL OR FAT SPILLAGE IS NOT BLOCKED OR RECTIFIED. ENSURE FIRST NECESSARY MODIFICATIONS ARE MADE AS NEEDED.
3. MAKE A ROOF CUT TO SEE THE UNDERLYING CONDITIONS. REMOVE ALL PORTIONS OF SUBSTRATE THAT WILL AFFECT THE ADHESION QUALITY OF NEW PATCH DUE TO PRESENCE OF PERCOLATED OIL BENEATH. REMOVE SUBSTRATE AS NECESSARY AND REPLACE TO MATCH WITH EXISTING.
4. INSTALL A NEW PATCH EXTENDING MIN. 6" BEYOND THE CUT DIMENSIONS.

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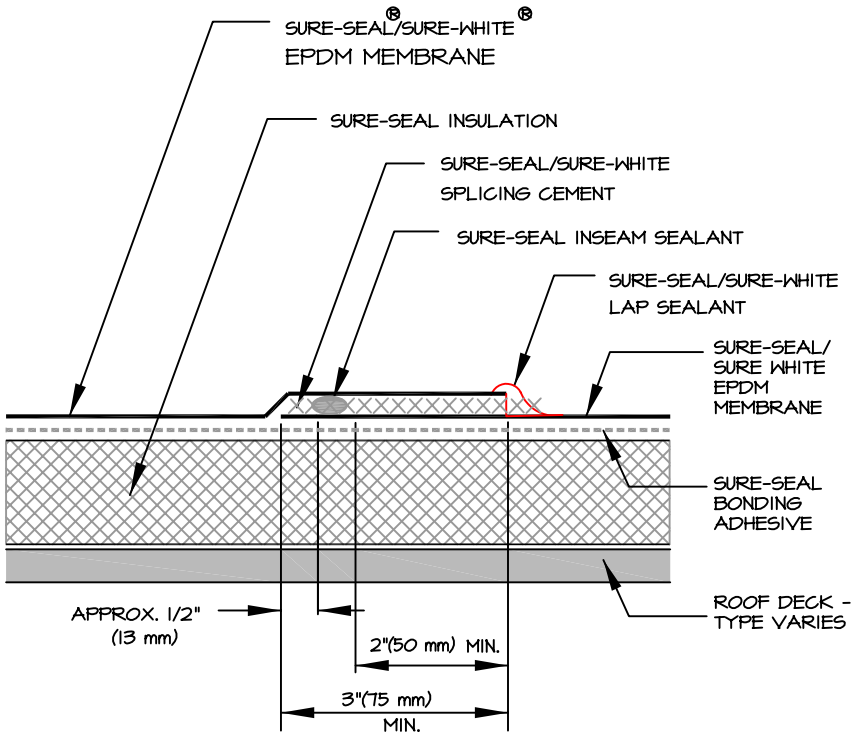
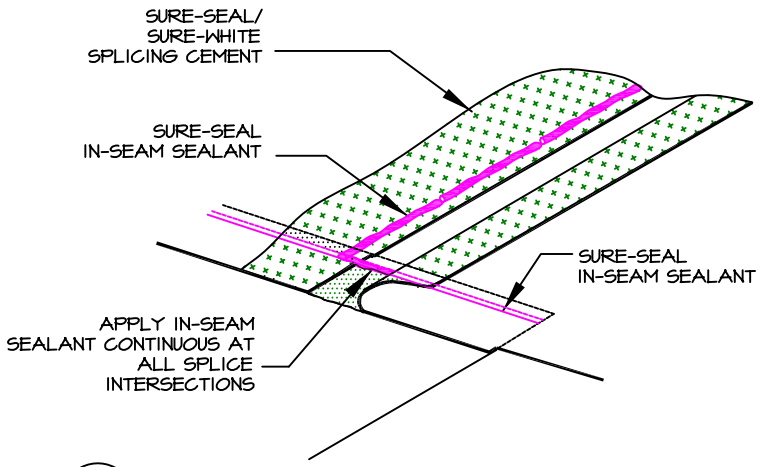
MEMBRANE - BLISTERED DUE TO OIL, FAT OR CHEMICAL SPILLS

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):
2.2.2
LEGEND1.3.1

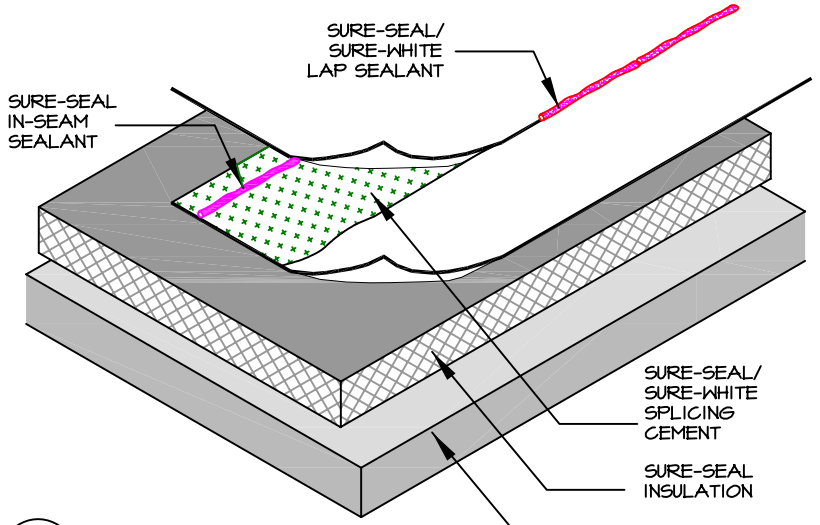
EPDM ROOF RESTORATION DETAIL
E 2.3



A SECTION AT SEAM



B 3-D VIEW OF INSEAM SEALANT LOCATIONS



C 3-D VIEW OF SEAM

NOTES:

1. MEMBRANE SPLICE PROCEDURE IS FOR SPLICES BETWEEN CURED EPDM SECTIONS.
2. APPLY SPLICING CEMENT OVER ENTIRE 3" (75 mm) MINIMUM SPLICE AREA PRIOR TO APPLICATION OF IN-SEAM SEALANT.
3. IN-SEAM SEALANT SHALL BE CONTINUOUS ALONG THE LENGTH OF THE SPLICE.
4. LIMITED FOR USE ON PROJECTS WITH MAX. 10 YR. WARRANTY. NOT FOR USE ON MECHANICALLY FASTENED ROOFING SYSTEMS - REGARDLESS OF WARRANTY LENGTH.

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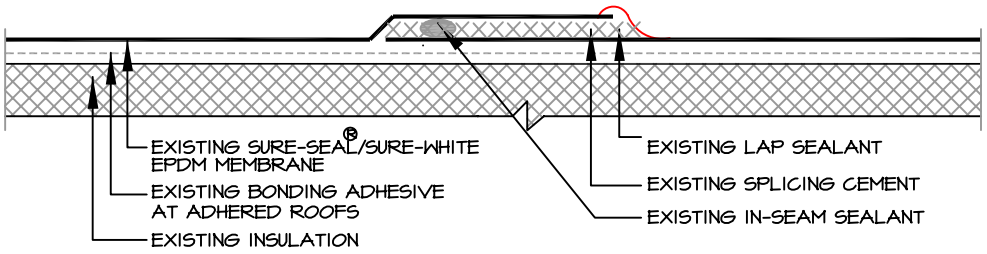
MEMBRANE SEAM - AS-BUILT SPLICE OF ORIGINAL CONSTRUCTION

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

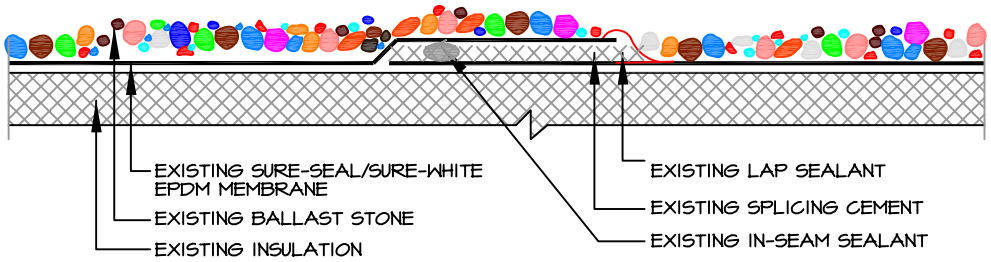
LEGEND1.3.1

EPDM ROOF RESTORATION DETAIL

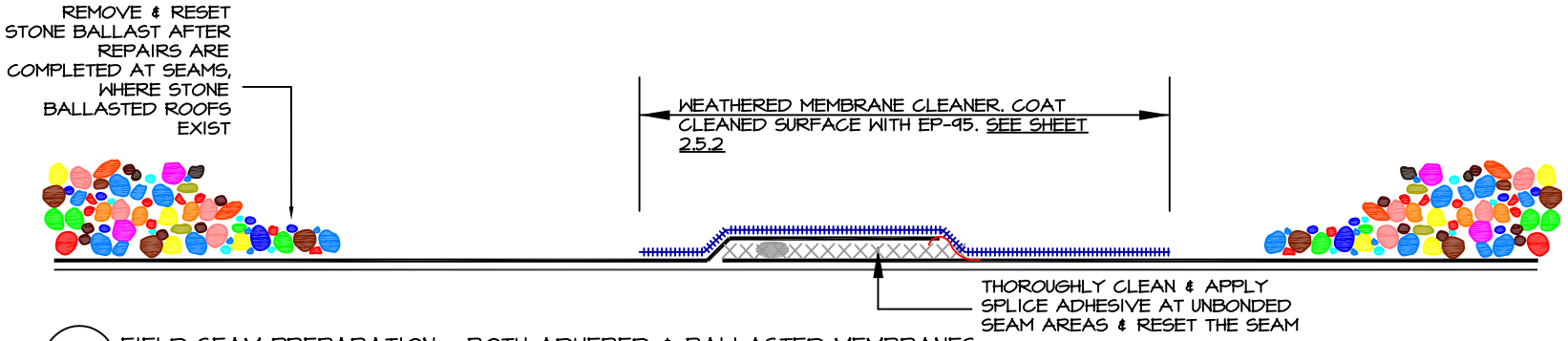
E 2.4



A EXISTING SEAM: ORIGINAL CONSTRUCTION - ADHERED SYSTEM



B EXISTING SEAM: ORIGINAL CONSTRUCTION - BALLASTED WITH STONE



C FIELD SEAM PREPARATION - BOTH ADHERED & BALLASTED MEMBRANES

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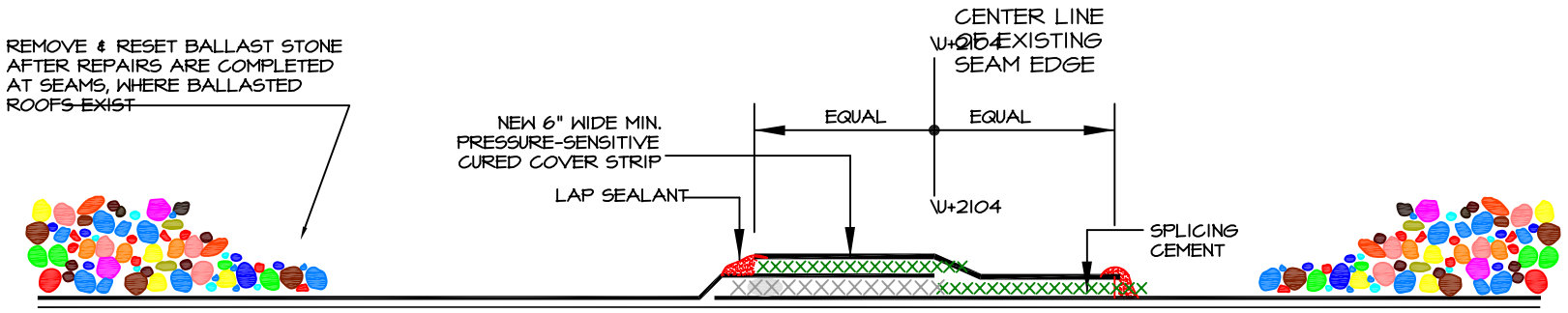
MEMBRANE SEAM RESTORATION OF FIELD SEAM. PAGE 1 OF 2.

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

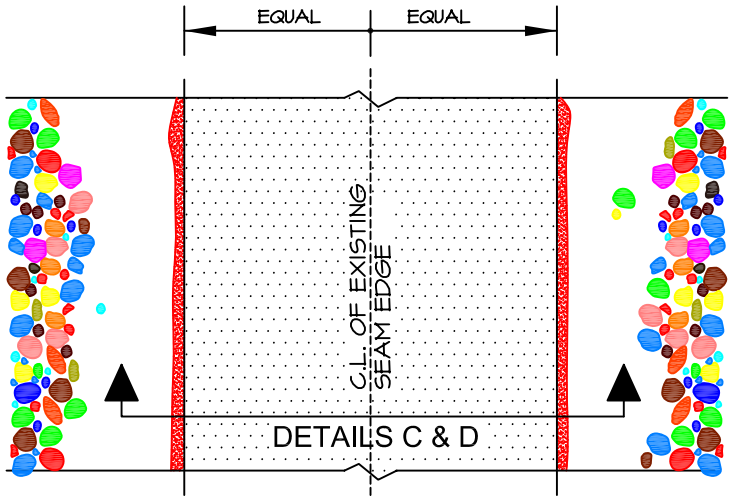
2.4	2.5.2
2.6.1	2.6.2
2.6.3	
LEGEND 1.3.1	

EPDM ROOF RESTORATION DETAIL

E 2.5.1



D FIELD SEAM RESTORATION - BOTH ADHERED & BALLASTED MEMBRANES



E PLAN VIEW OF SEAM - BOTH ADHERED & BALLASTED SYSTEMS

NOTES:

1. FIRST, INSPECT TO IDENTIFY DEFICIENT SEAMS AND MARK FOR REPAIR LOCATIONS. ON BALLASTED ROOFING SYSTEMS, IT WILL REQUIRE THE REMOVAL OF THE STONE AT EACH SEAM.
2. ENSURE THERE IS NO MOISTURE PRESENT UNDER THE DEFICIENT SEAM, OTHERWISE, ALSO MARK FOR CUT(S), HOLES OR SIMILAR DEFICIENCIES & REPLACE THE WET PORTIONS OF ROOF SYSTEM.
3. REMOVE STANDING WATER WITHIN THE WORK AREAS AND FIRST THOROUGHLY CLEAN & DRY THE MEMBRANE SURFACE.
4. AT DRY BUT DUSTY AREAS, REMOVE ALL DUST. USE SOFT NYLON BRUSH AT STUBBORN DUST AND THOROUGHLY CLEAN, WASH & DRY THE SURFACE.
5. USE CARLISLE APPROVED CLEANER TO CLEAN AND PREPARE FOR SPLICE APPLICATION. USE FRESH COTTON RAGS AT EACH AREA AND ACHIEVE A DARK BLACK SURFACE OF EPDM.
6. APPLY SPLICE ADHESIVE PER CARLISLE'S SPECIFICATIONS.
7. INSTALL NEW 6" WIDE MIN. PRESSURE-SENSITIVE CURED COVER STRIP OR 9" WIDE UNCURED PRESSURE SENSITIVE ELASTOFORM FLASHING IN SPLICE ADHESIVE.
8. IF WATER TEST IS NOT REQUIRED BY DESIGNER, REPLACE THE STONE AT BALLASTED ROOFING SYSTEM AREAS.
9. OTHERWISE PERFORM A WATER TEST TO VERIFY THE LEAK LOCATIONS AND REPAIR ACCORDINGLY.

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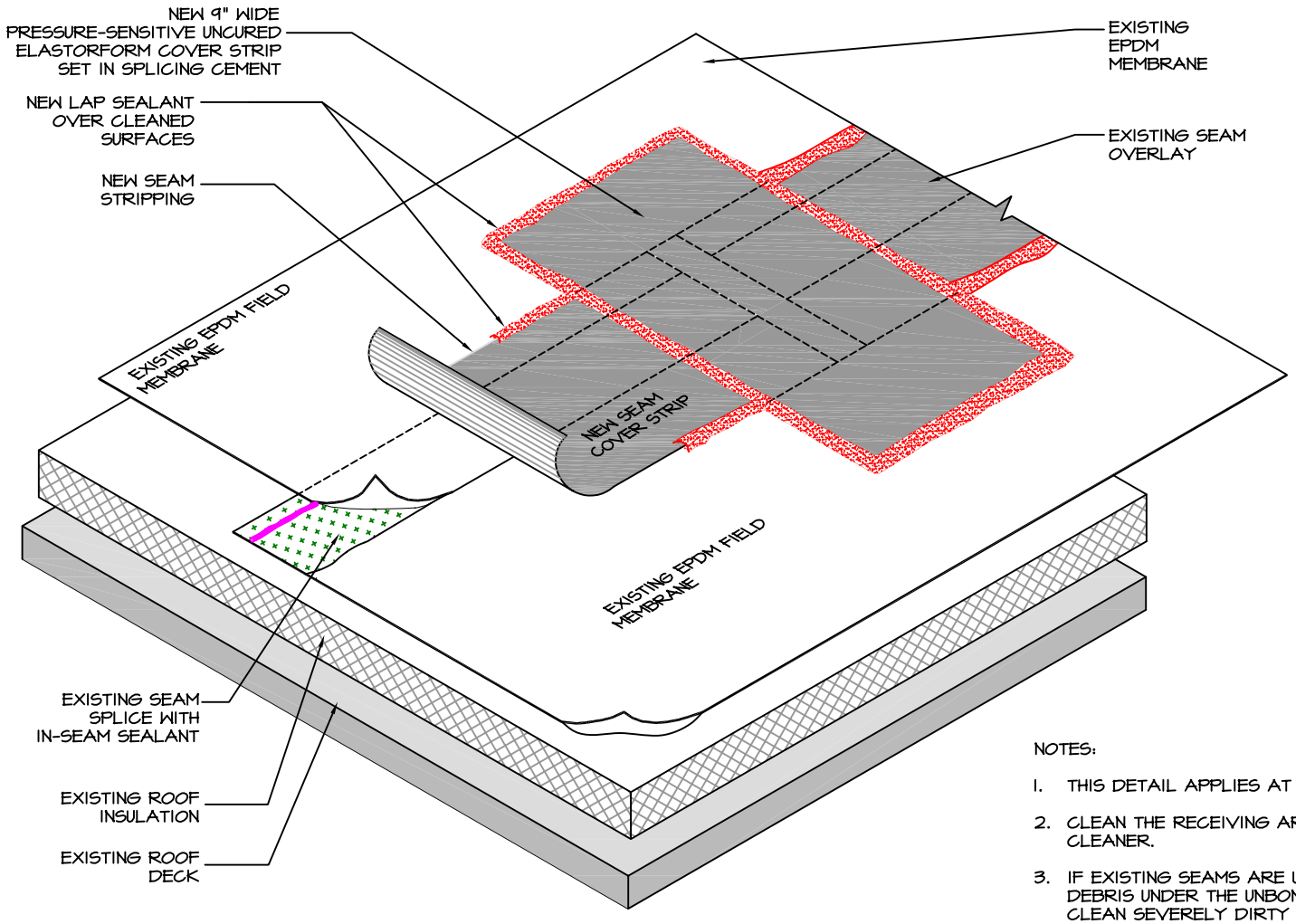
MEMBRANE SEAM RESTORATION OF FIELD SEAM. PAGE 2 OF 2.

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

2.4	2.5.1
2.6.1	2.6.2
2.6.3	
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

E | 2.5.2



A RESTORATION OF SPLICED SEAMS WITH IN-SEAM SEALANT

NOTES:

1. THIS DETAIL APPLIES AT THE END LAPS OF THE SECURTAPE.
2. CLEAN THE RECEIVING AREAS WITH CARLISLE'S APPROVED CLEANER.
3. IF EXISTING SEAMS ARE UNBONDED, REMOVE DUST OR ANY DEBRIS UNDER THE UNBONDED AREAS AND THOROUGHLY CLEAN SEVERELY DIRTY AREAS MAY REQUIRE PRESSURE CLEANING WITH HARD NYLON OR SOFT WIRE BRUSH TO ACHIEVE A DARK BLACK SURFACE OF MEMBRANE.
4. REBOND THE DETACHED AREAS WITH SPLICING CEMENT
5. INSTALL A MIN. 9" WIDE PRESSURE-SENSITIVE UNCURED ELASTORORM FLASHING COVER STRIP SET IN SPLICING CEMENT.

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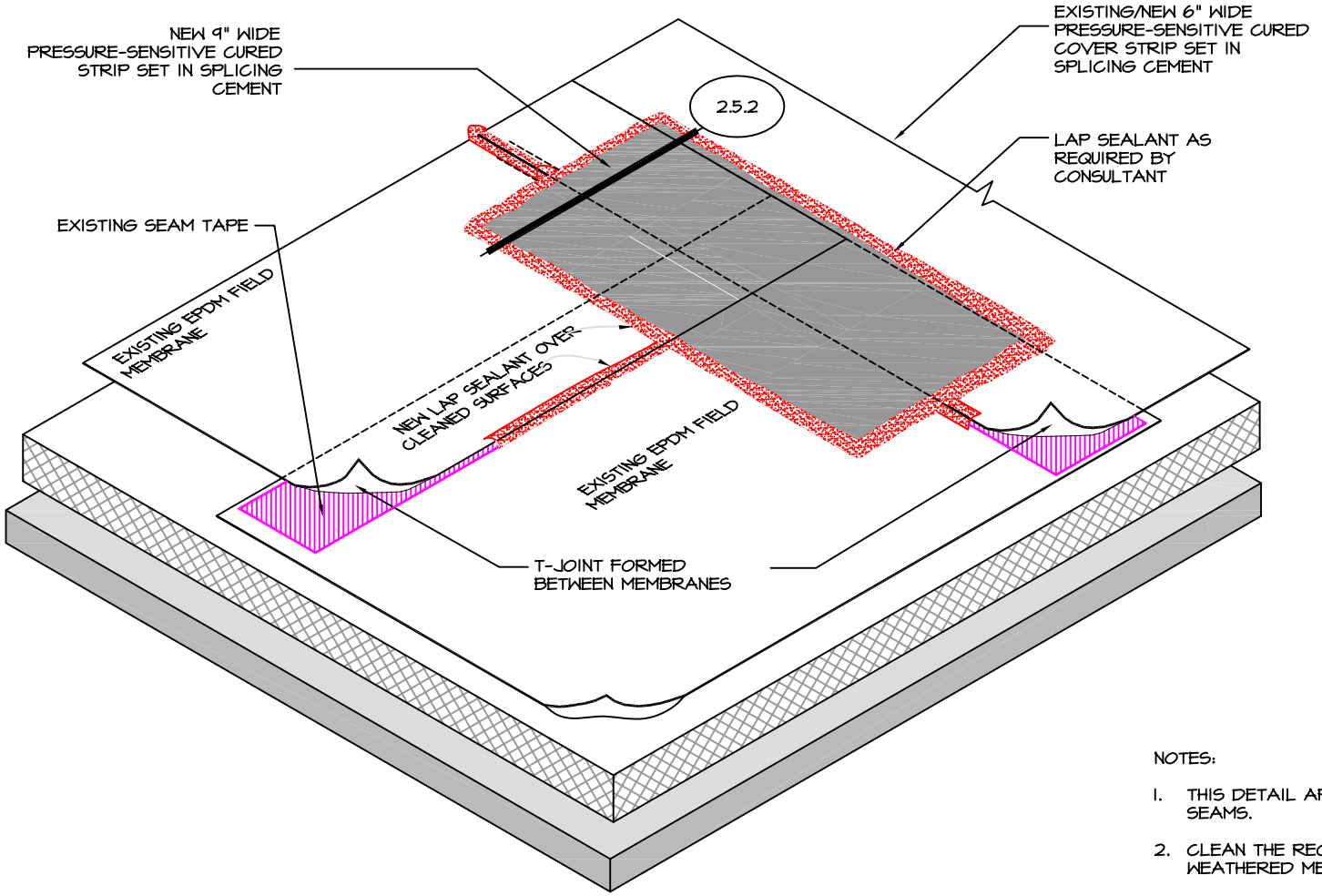
RESTORATION OF SPLICED SEAMS WITH IN-SEAM SEALANT

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):	
2.4	2.5.1
2.6.1	2.6.1
2.6.3	
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

E 2.6.1



NOTES:

1. THIS DETAIL APPLIES AT THE T-JUNCTION OF SEAMS.
2. CLEAN THE RECEIVING AREAS WITH CARLISLE'S WEATHERED MEMBRANE CLEANER.
3. IF EXISTING SEAMS ARE UNBONDED, REMOVE DIRT UNDER THE UNBONDED AREAS AND THOROUGHLY CLEAN
4. REBOND THE DETACHED AREAS WITH SPLICING CEMENT.

A RESTORATION OF SEAMS WITH EXISTING SEAM TAPES

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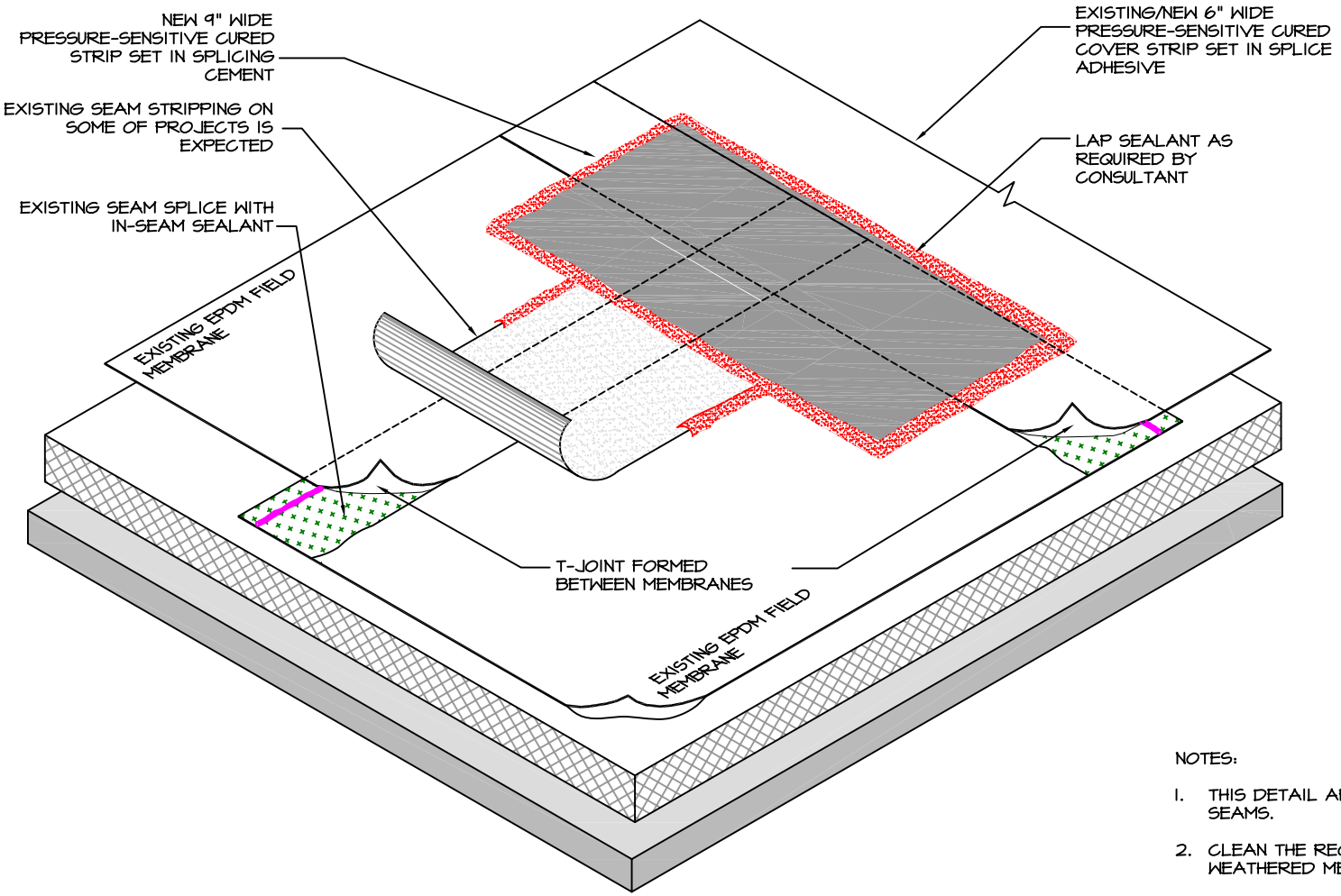
RESTORATION OF SEAMS WITH EXISTING SEAM TAPES

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):	
2.4	2.5.1
2.5.2	2.6.1
2.6.3	
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

E 2.6.2



A RESTORATION OF T-JOINT DETAIL WITH ORIGINAL COVER STRIPS

NOTES:

1. THIS DETAIL APPLIES AT THE T-JUNCTION OF SEAMS.
2. CLEAN THE RECEIVING AREAS WITH CARLISLE'S WEATHERED MEMBRANE CLEANER.
3. IF EXISTING SEAMS ARE UNBONDED, REMOVE DIRT UNDER THE UNBONDED AREAS AND THOROUGHLY CLEAN
4. REBOND THE DETACHED AREAS WITH SPLICING CEMENT.

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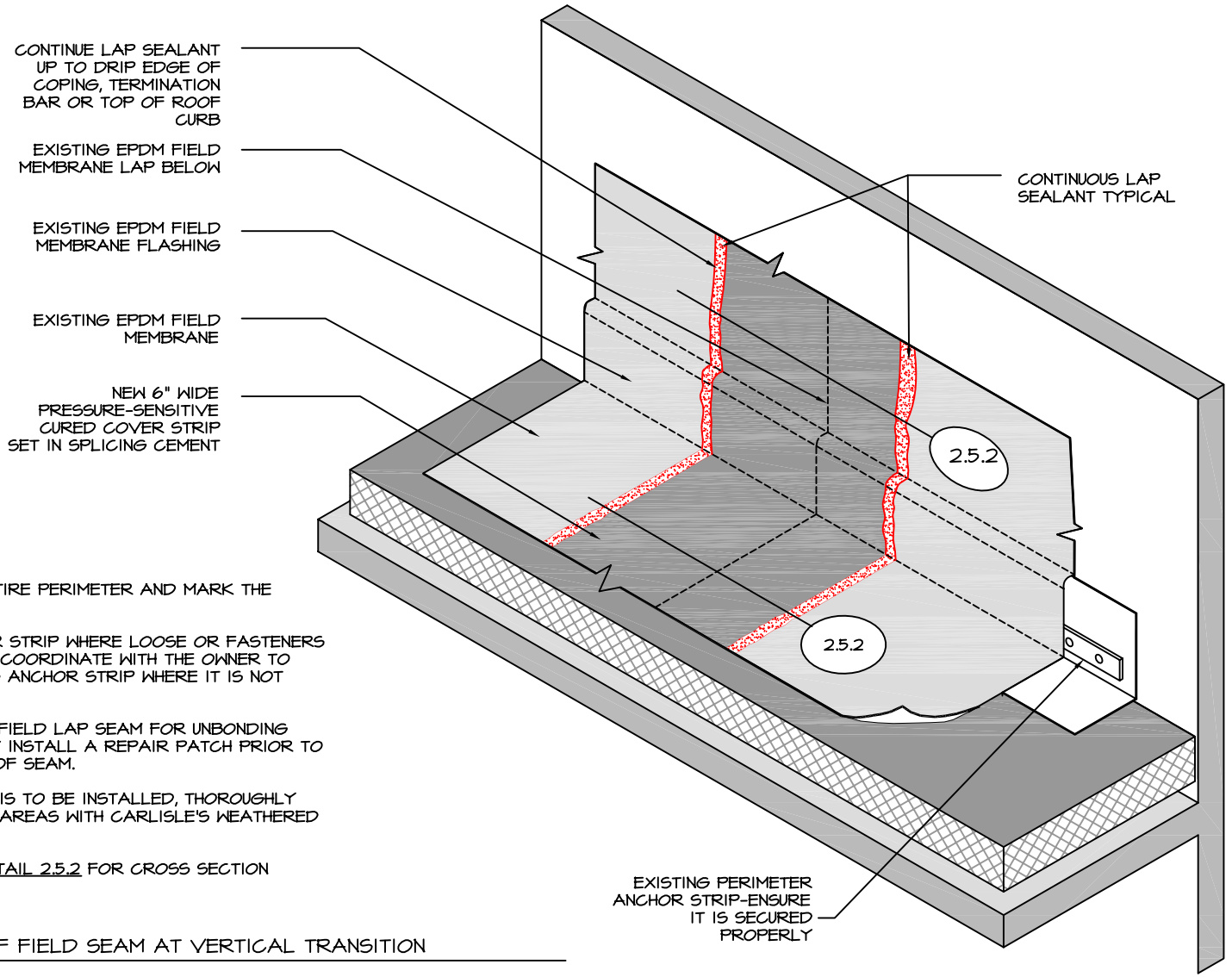
MEMBRANE SEAM - RESTORATION OF T-JOINT DETAIL.

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):	
2.4	2.5.1
2.5.2	2.6.1
2.6.3	
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

E 2.6.3



NOTES:

1. FIRST, INSPECT THE ENTIRE PERIMETER AND MARK THE VISUAL DEFICIENCIES.
2. RESECURE THE ANCHOR STRIP WHERE LOOSE OR FASTENERS ARE PROTRUDING OUT. COORDINATE WITH THE OWNER TO REPLACE THE EXISTING ANCHOR STRIP WHERE IT IS NOT SERVICEABLE.
3. INSPECT THE EXISTING FIELD LAP SEAM FOR UNBONDING CONDITIONS AND FIRST INSTALL A REPAIR PATCH PRIOR TO COMPLETE STRIPPING OF SEAM.
4. WHERE NEW STRIPPING IS TO BE INSTALLED, THOROUGHLY CLEAN THE RECEIVING AREAS WITH CARLISLE'S WEATHERED MEMBRANE CLEANER.
5. REFER TO SECTION DETAIL 2.5.2 FOR CROSS SECTION DETAIL.

A RESTORATION OF FIELD SEAM AT VERTICAL TRANSITION

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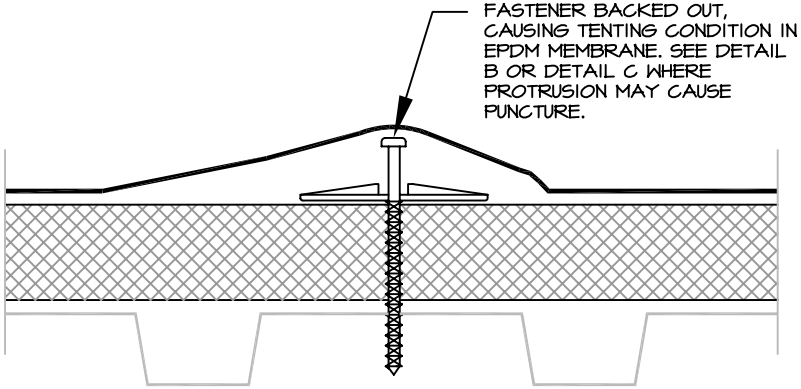
MEMBRANE SEAM - RESTORATION OF FIELD SEAM AT VERTICAL TRANSITION

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):	
2.4	2.5.1
2.5.2	2.6.1
2.6.2	
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

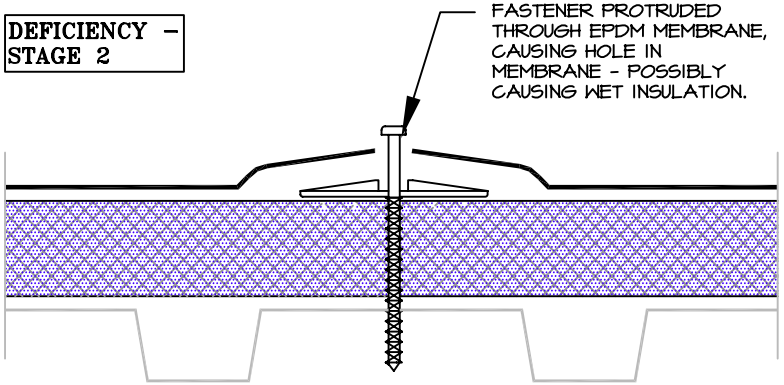
E 2.6.4

DEFICIENCY - STAGE 1



A EARLY TENTING CONDITION DUE TO ELEVATED FASTENERS

DEFICIENCY - STAGE 2



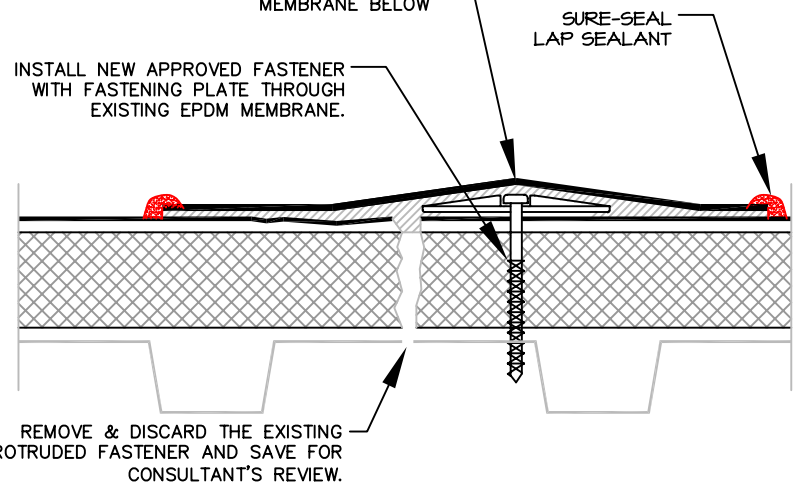
NOTE: FILED VERIFY THE PRESENCE OF MOISTURE BELOW EPDM MEMBRANE. REPLACE PORTION OF ROOF WHERE WET, OTHERWISE REPLACE FASTENER AND COVER WITH A NEW EPDM PATCH. INSULATION MAY BE WET OR DRY AT DIFFERENT LOCATIONS. CONSULTANT TO VERIFY THE OVERALL CONDITION OF ROOF.

C REPLACEMENT - WHERE OVERALL CONDITION IS NOT ACCEPTABLE & INSULATION IS WET

REPAIR

REPLACE - ADVANCED STAGE & WET

REPAIR DETAIL



B REPAIR - WHERE OVERALL ACCEPTABLE CONDITION & INSULATION IS DRY

NOTES:

1. NOTE TO CONSULTANT: THE PROCESS OF LOCATING & MARKING THE FASTENER DEFICIENCIES ON A ROOF PLAN MAY NOT BE CONVENIENT FOR A CONSULTANT AS IT IS A LABOR INTENSIVE & TIME CONSUMING PROCESS. THE CONSULTANT SHOULD INSPECT THE ENTIRE ROOF AREA BY SLOWLY WALKING & OBSERVING EACH SQUARE FOOT OF ROOF AREA. MARK ON EPDM MEMBRANE EACH DEFICIENT FASTENER WITH COLOR CODED CRAYONS FOR A ROOFER TO READ & REPAIR. DO NOT WRITE ON A ROOF MEMBRANE WHERE IT IS STEEP SLOPED AND VISIBLE TO PUBLIC OR WHERE OWNER DOES NOT PERMIT TO WRITE ON A ROOF MEMBRANE. A UNIT PRICE CONTRACT MAY REQUIRE TO KEEP A COUNT OF REPLACED FASTENERS.
2. NOTE TO ROOFER: DO NOT DRIVE DOWN THE PROTRUDED FASTENERS. REMOVE & DISCARD THEM, EXCEPT SAVE SAMPLES (6) FOR FUTURE REVIEW. ALL LOOSE/PROTRUDING FASTENERS SHOULD BE REPLACED WITH NEW FASTENERS WITHIN APPROPRIATE DISTANCE AND NEW PATCHES SHOULD BE INSTALLED.

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FASTENERS - PROTRUSION WITH TENTING CONDITION. PAGE 1 OF 2.

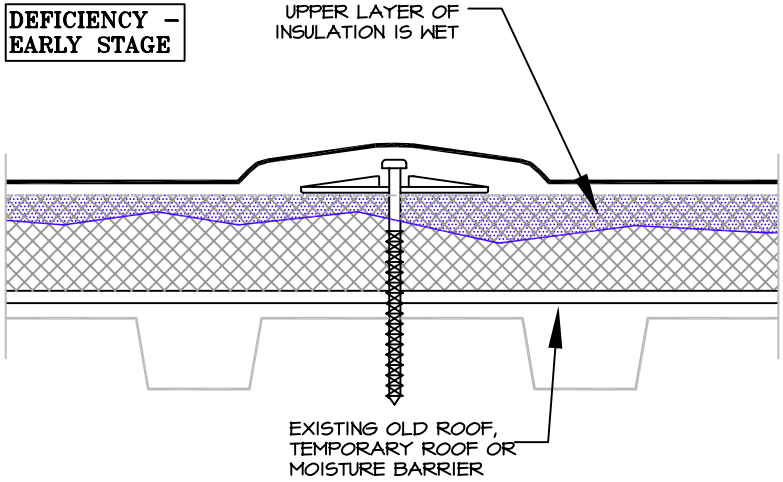
FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):

1.3.1	3.1.2
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

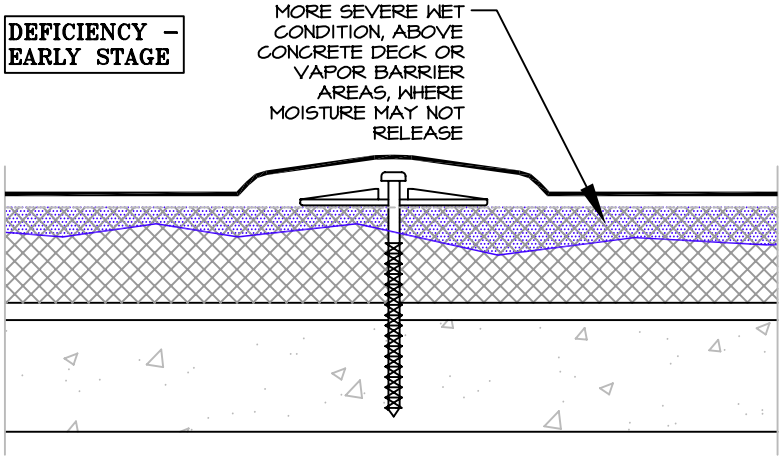
E 3.1.1

DEFICIENCY – EARLY STAGE



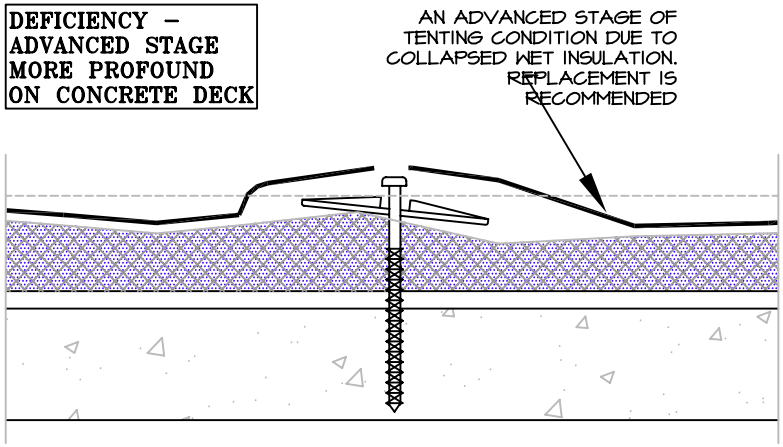
(A) COMPRESSED WET INSULATION - EARLY CONDITION
METAL DECK

DEFICIENCY – EARLY STAGE



(B) COMPRESSED WET INSULATION - EARLY CONDITION
CONCRETE DECK

DEFICIENCY – ADVANCED STAGE MORE PROFOUND ON CONCRETE DECK



(C) COMPRESSED WET INSULATION - ADVANCED CONDITION

NOTES:

1. NOTE TO CONSULTANT: FIELD VERIFY THE DEPICTED DEFICIENT CONDITIONS TO IDENTIFY THE EXTENT OF DAMAGE. REPLACEMENT OF A PORTION OF ROOF OR ENTIRE ROOF IS RECOMMENDED WHERE INSULATION IS COLLAPSED DUE TO PROLONGED, CHRONIC CONDITION OF FASTENER'S PROTRUSION. NO SPOT REPAIRS ARE RECOMMENDED AT THE TIME OF THIS PUBLICATION BECAUSE ANY COMPRESSED OR COLLAPSED INSULATION WILL CAUSE DELAMINATION OF MEMBRANE & POSSIBLE WIND DAMAGE.
2. WHERE A PORTION OF ROOF NEEDS REPLACEMENT, USE SAME THICKNESS OF INSULATION, BUT USE A RIGID BOARD, HIGHER COMPRESSIVE STRENGTH INSULATION. ON CONCRETE DECK USE ADHESIVE IN LIEU OF FASTENERS WHERE PROJECT CONDITIONS ALLOW.

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FASTENERS - PROTRUSION WITH WET CONDITIONS. PAGE 2 OF 2. ROOF REPLACEMENT STAGE

FOR APPLICABLE ADDITIONAL INFORMATION, SEE PAGES OR DETAIL(S):	
1.3.1	3.1.1
LEGEND	1.3.1

EPDM ROOF RESTORATION DETAIL

E 3.1.2