

KEY RESIN COMPANY

STANDARD FLOORING DESIGN DETAILS GUIDE

*Click to link
directly to the
design detail
of your choice.*

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FILE #: **KEY RESIN FLOORING DETAIL DWGS**

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STANDARD FLOORING DESIGN DETAILS GUIDE

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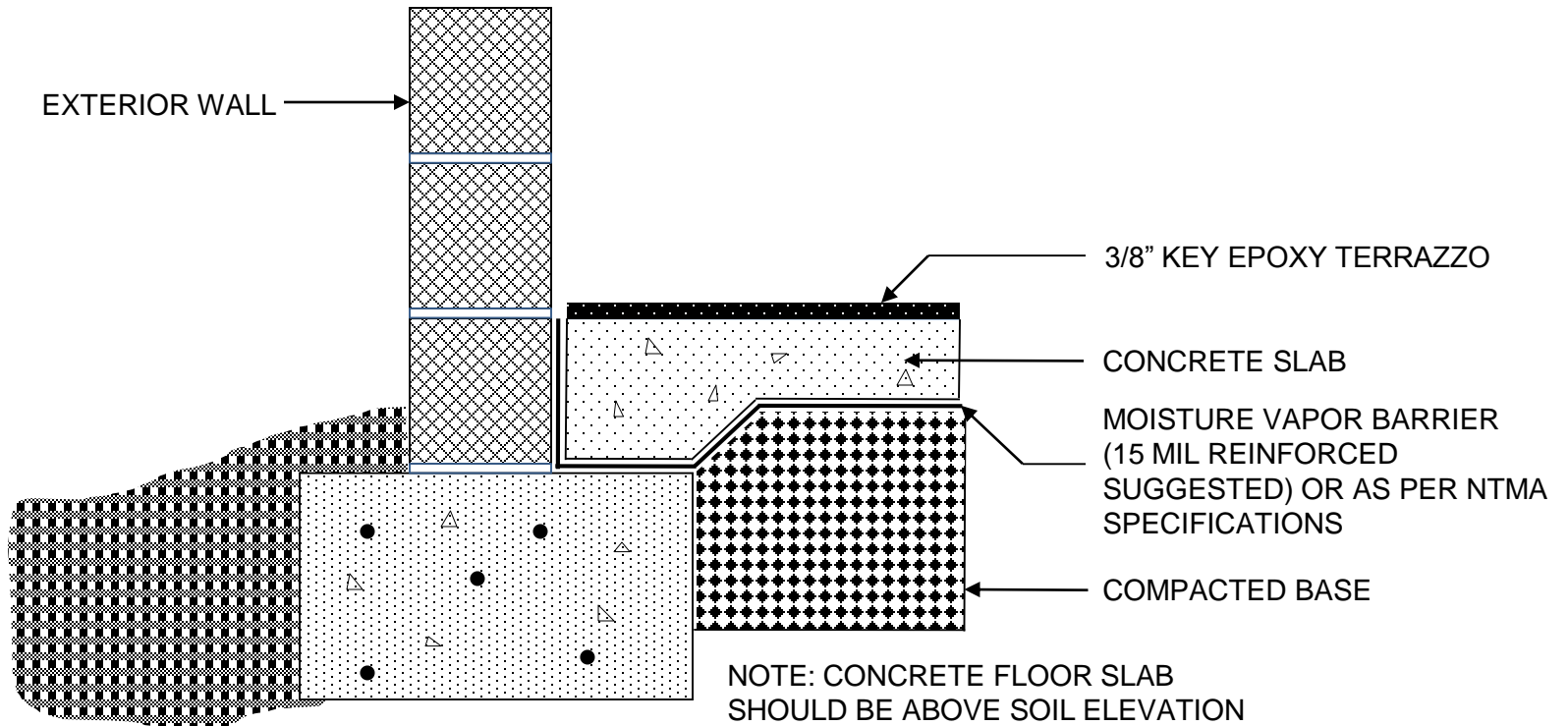
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FILE #: **KEY RESIN FLOORING DETAIL DWGS**

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NOTE:
DO NOT PLACE 2" OF SAND
OVER VAPOR BARRIER
REFERENCE ACI-302.IR-04



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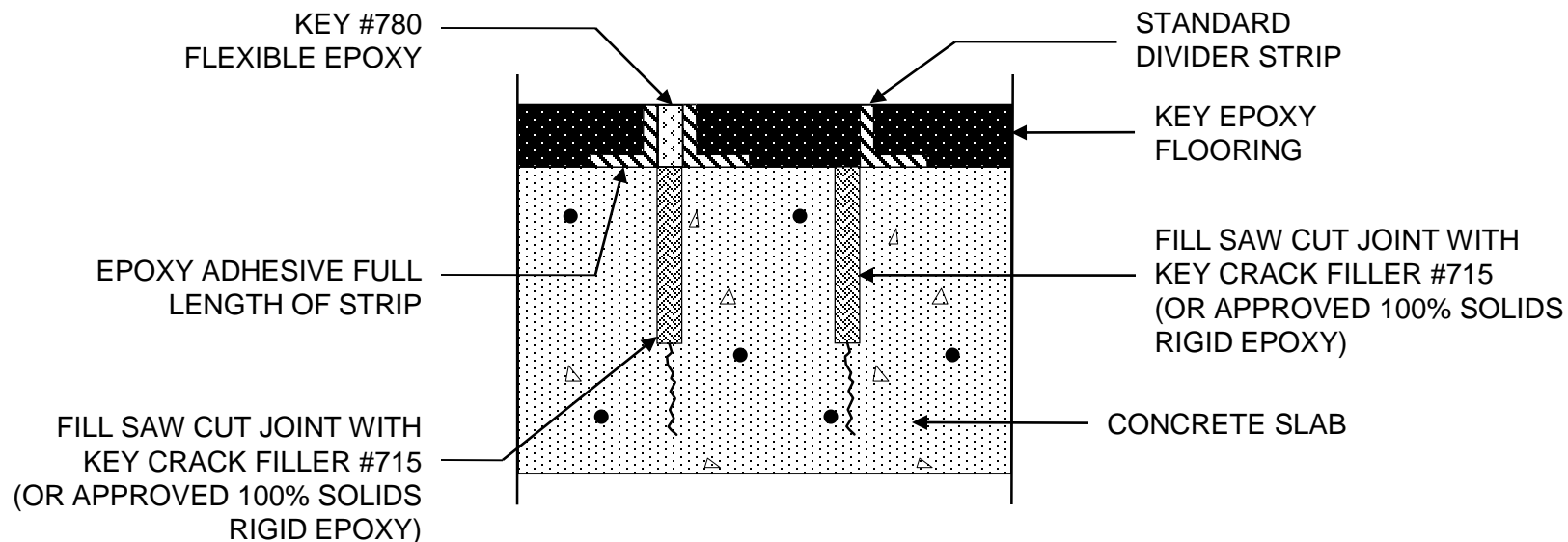
DATE:
2/24/08

DETAIL: **VAPOR BARRIER FOR SLAB ON GRADE**

FILE #: **KEY-DTL-1**

CONTRACTION/ CONTROL JOINT

PREFERRED ALTERNATE



NOTE 1: THIS DETAIL MUST BE USED FOR RADIANT HEATED FLOORS.

OPTION: FOR "ART WORK AREAS," SEE BURIED CONTRACTION JOINT DETAIL. REFER TO DETAIL # KEY-DTL-5



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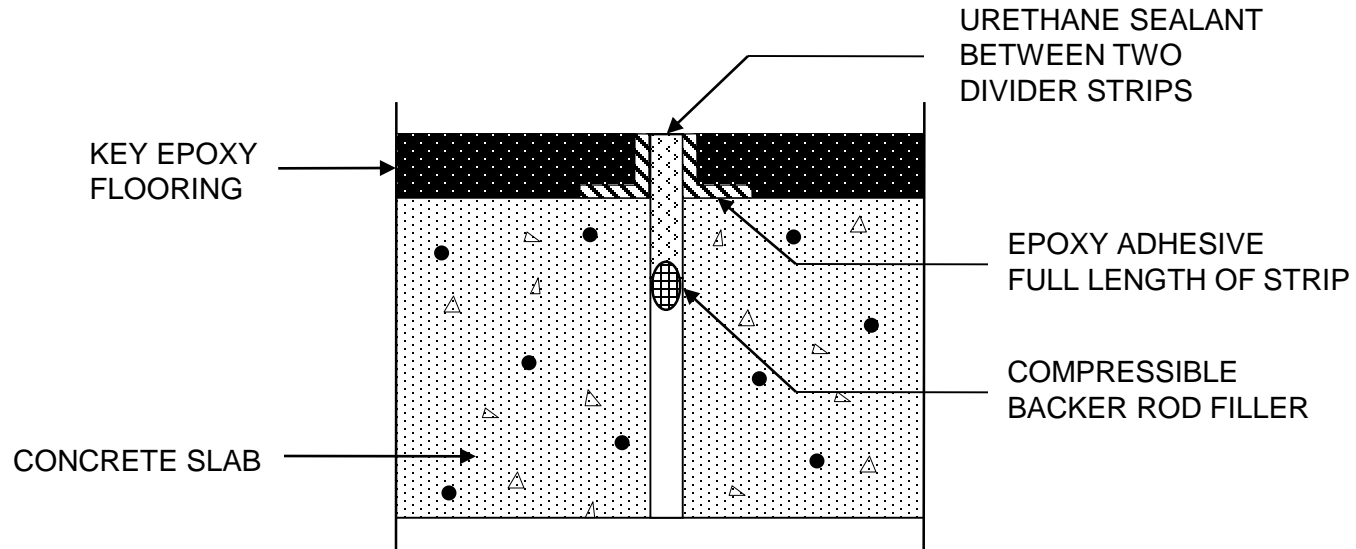
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DETAIL: **JOINT DETAILS**

FILE #: **KEY-DTL-2**

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EXPANSION / ISOLATION JOINT



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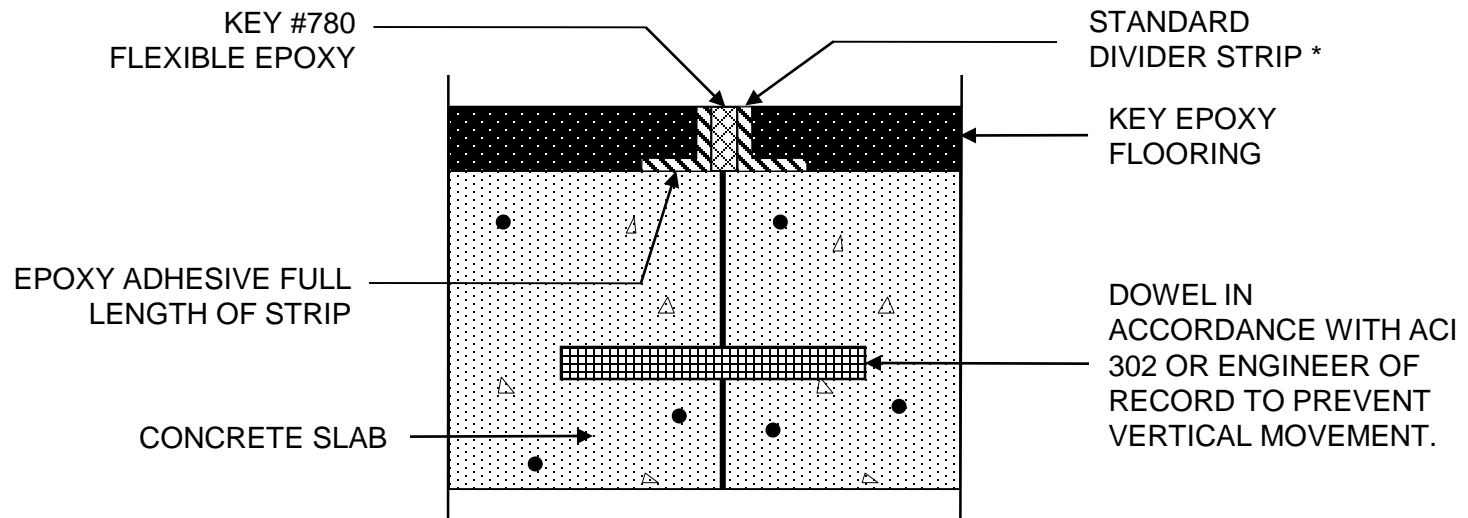
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01/04/10

DETAIL: **JOINT DETAILS**

FILE #: **KEY-DTL-3**

CONSTRUCTION / COLD JOINT (Next Day Pour Where Joint Has Eased Shoulders or Has Opened)



* IF CONSTRUCTION/COLD JOINT HAS NOT OPENED, STRIPS MAY BE SET BACK TO BACK



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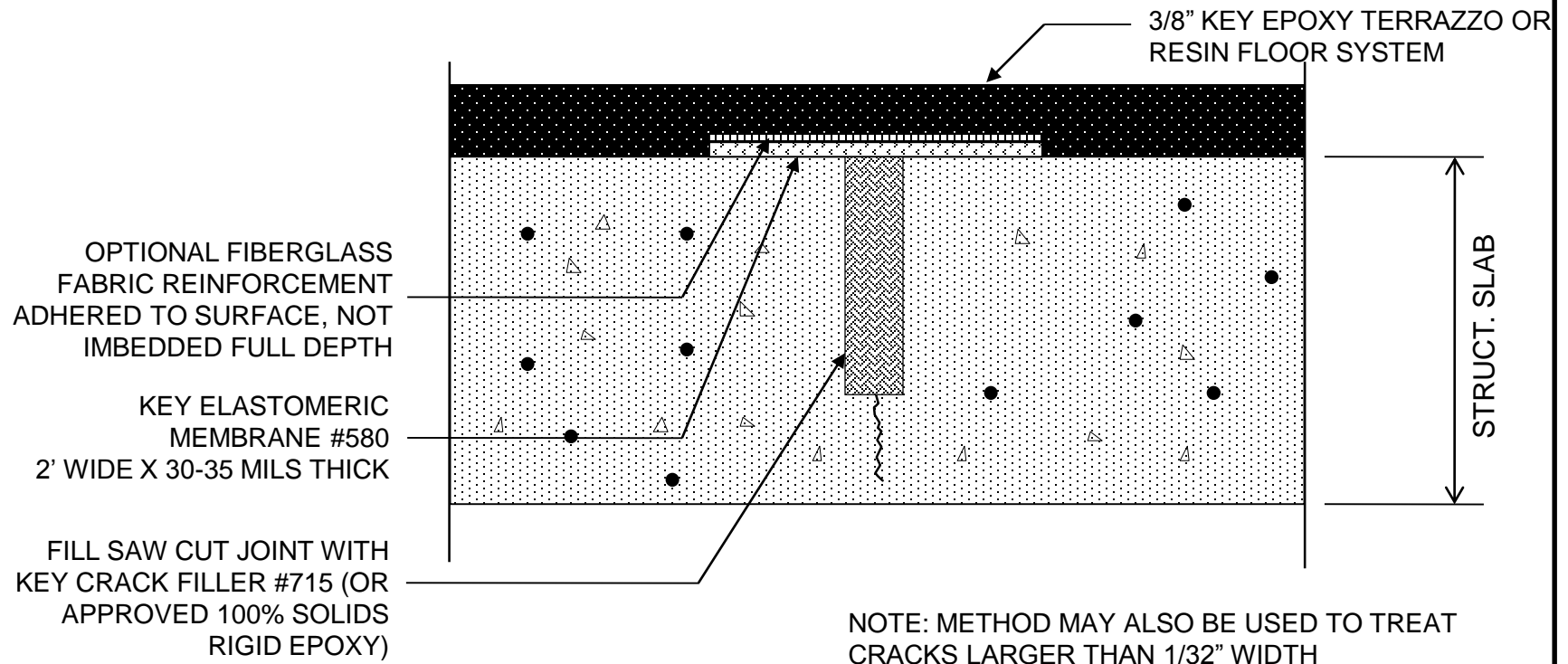
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DETAIL: **JOINT DETAILS**

FILE #: **KEY-DTL-4**

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TREATMENT OF CONTRACTION JOINTS (SAWCUTS) AND CRACKS IS DONE IN ANTICIPATION OF HORIZONTAL MOVEMENT



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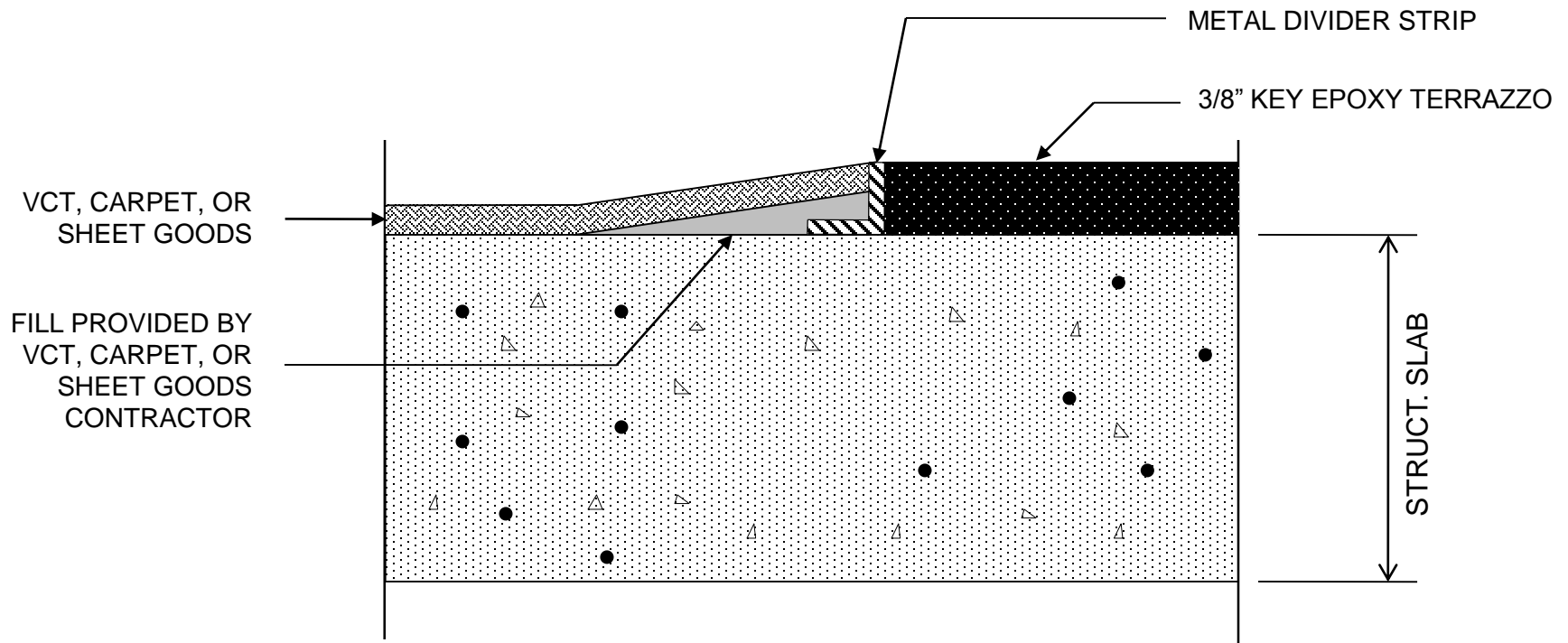
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DETAIL: **BURIED CONTROL JOINT/CRACK TREATMENT**

FILE #: **KEY-DTL-5**

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NOTE: EPOXY TERRAZZO TO BE POURED FIRST.
OTHER TRADES TO FINISH AT PROPER ELEVATION



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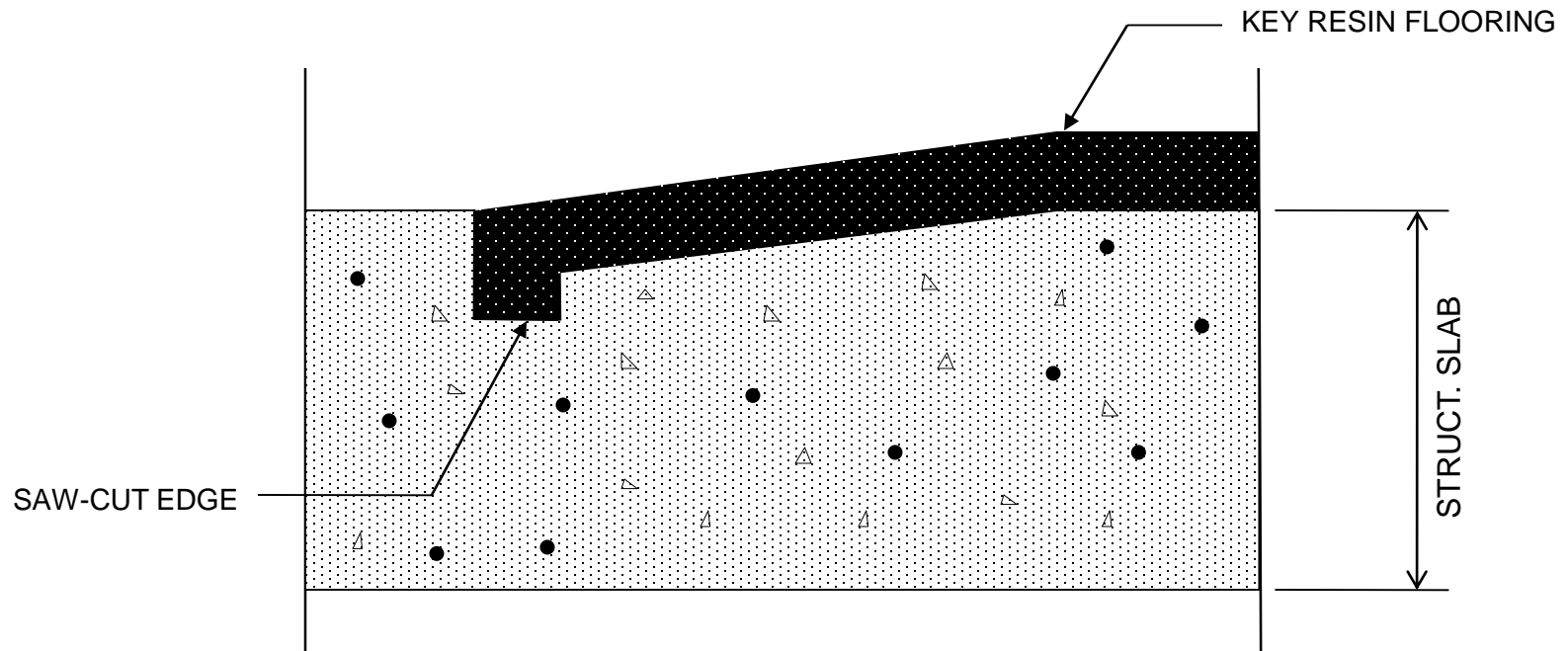
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DETAIL: EPOXY TERRAZZO, CARPET TERMINATION

FILE #: KEY-DTL-6

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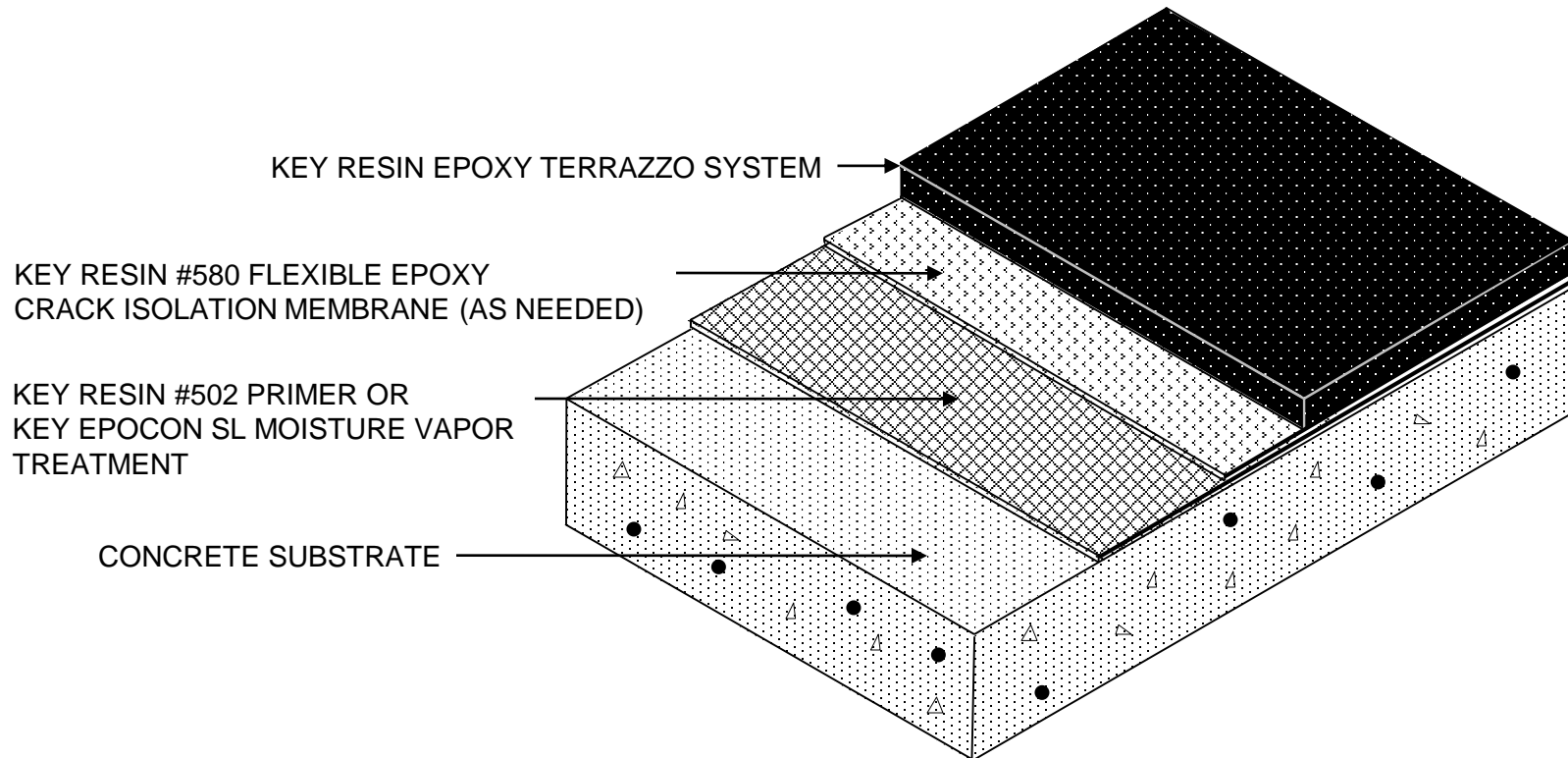
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DETAIL:
EPOXY FLOORING KEY-IN TERMINATION

FILE #:
KEY-DTL-7

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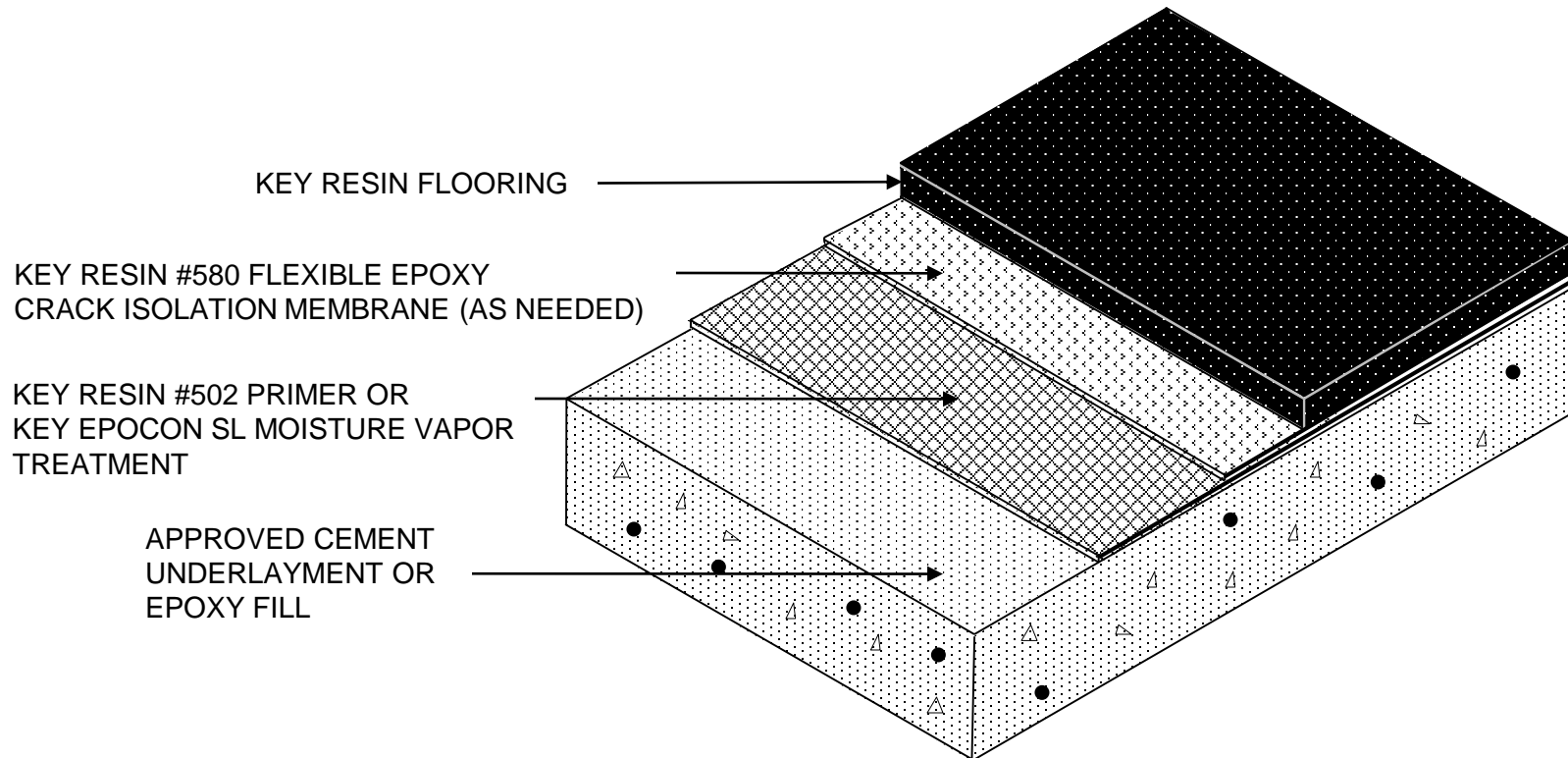
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DETAIL: **EPOXY TERRAZZO OVER CONCRETE**

FILE #: **KEY-DTL-8**

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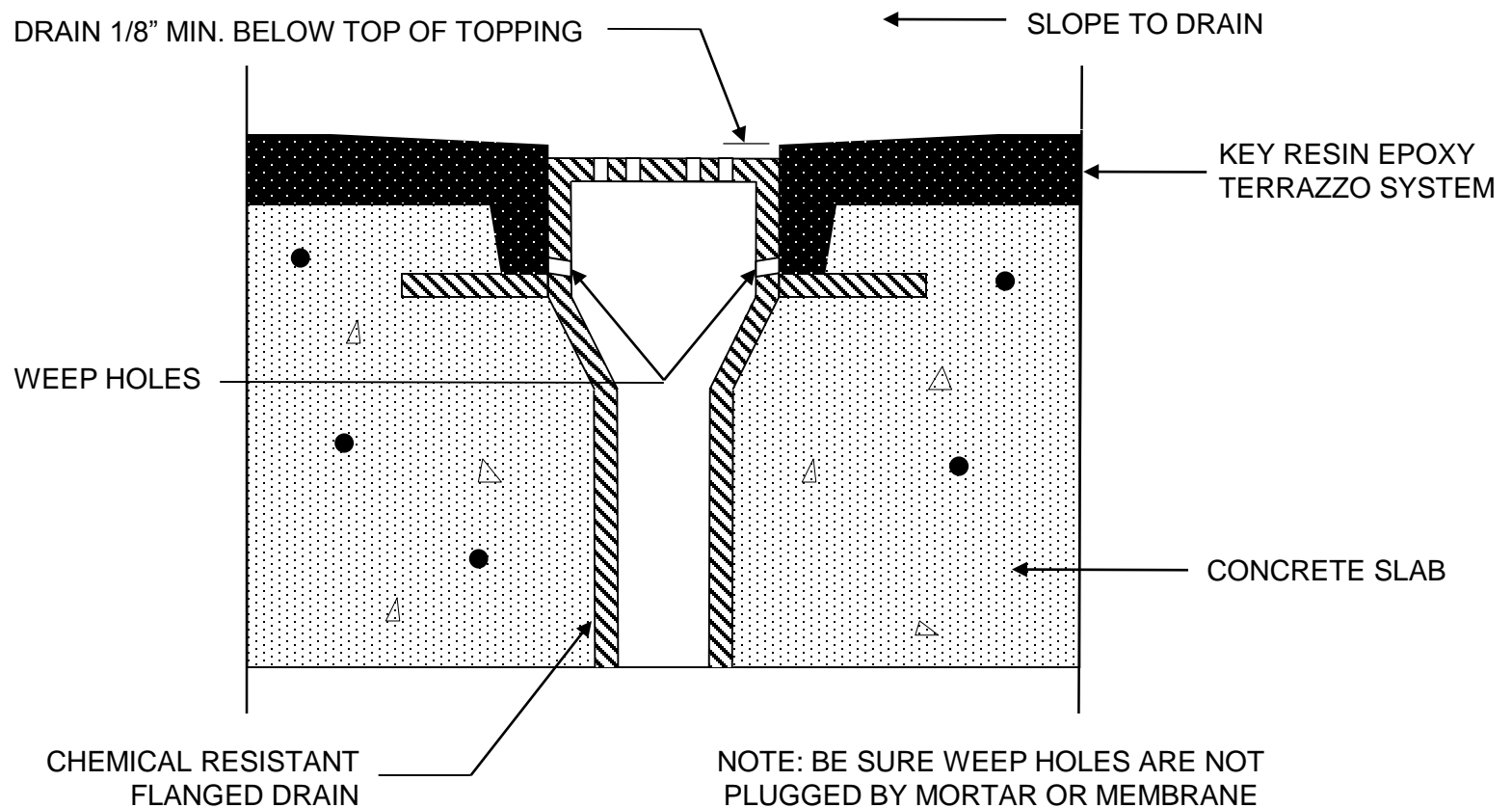
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DETAIL: **EPOXY FLOORING OVER EPOXY/CEMENT FILL**

FILE #: **KEY-DTL-9**

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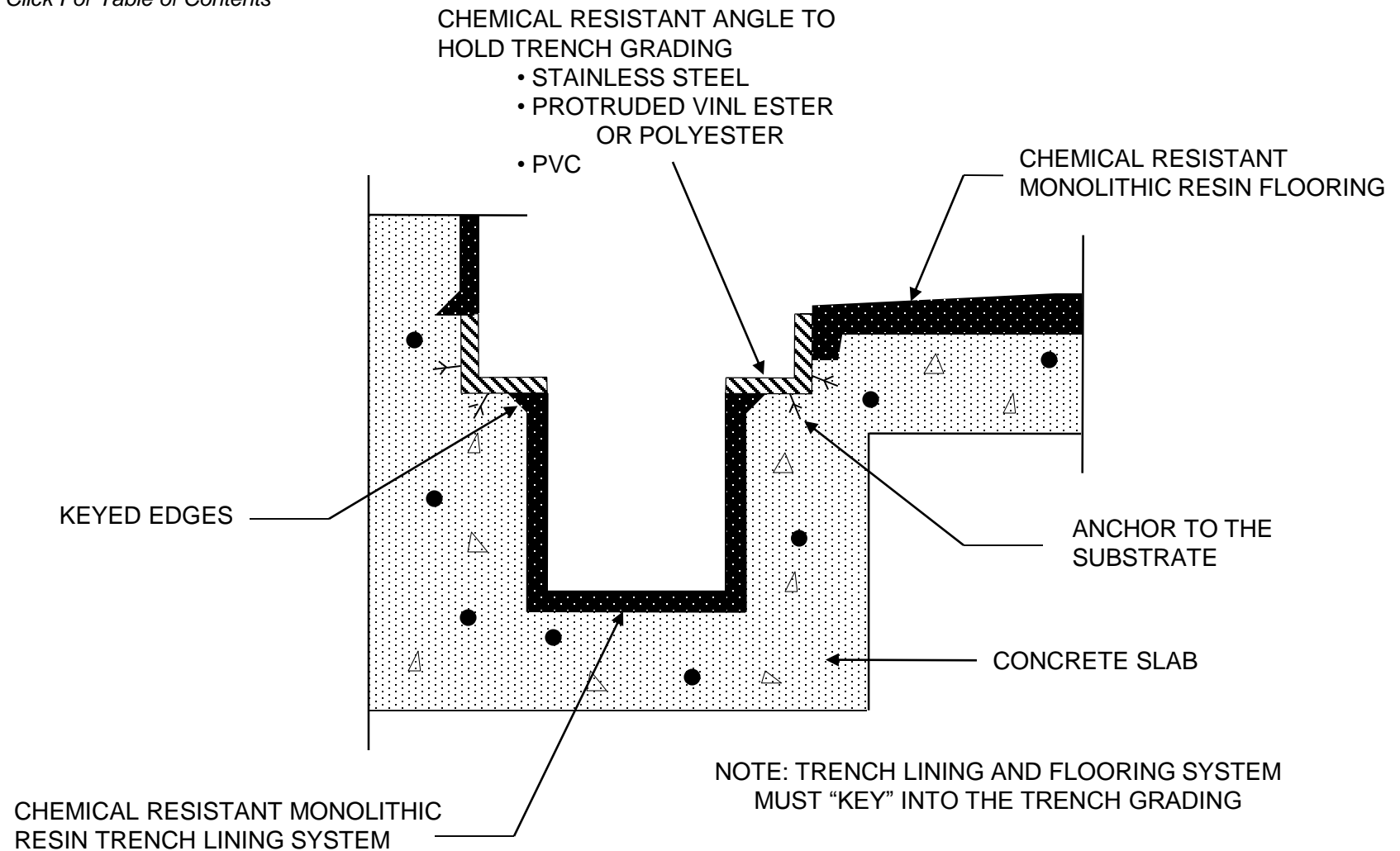
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DETAIL: **FLANGED DRAIN DETAIL**

FILE #: **KEY-DTL-10**

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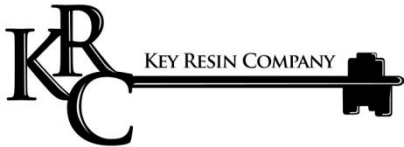
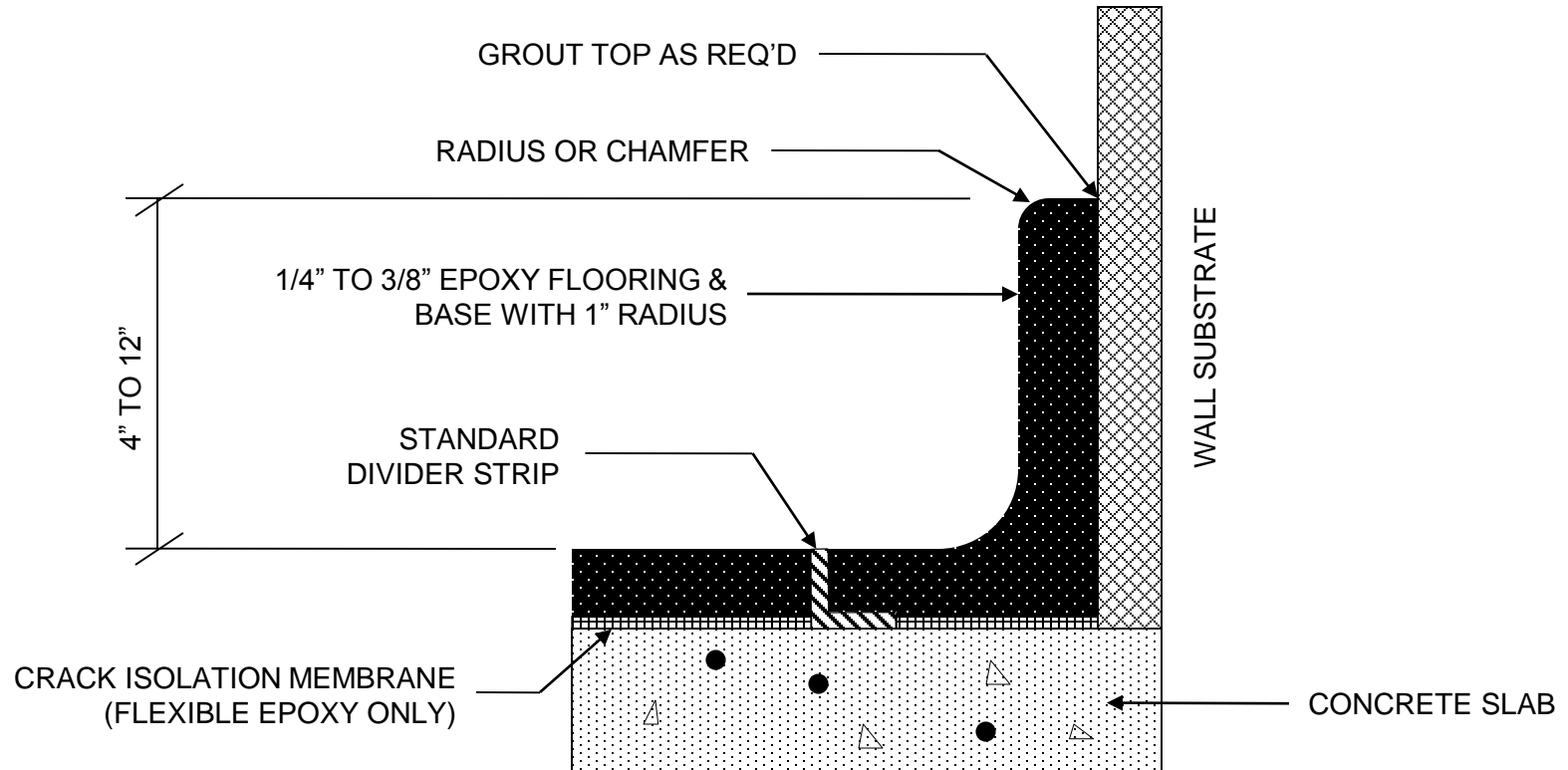
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DETAIL: **TRENCH DETAIL**

FILE #: **KEY-DTL-11**

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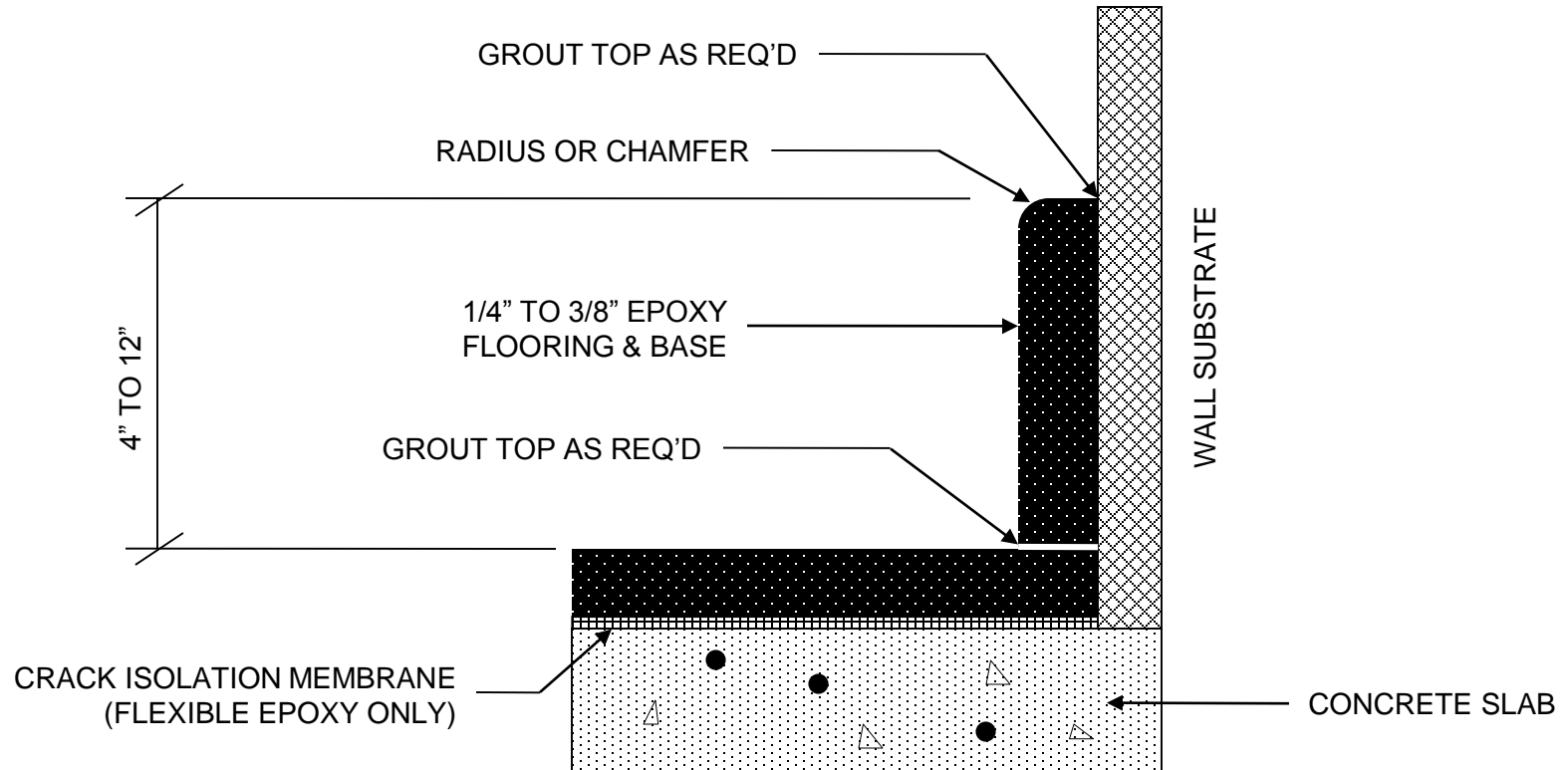
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DETAIL: **COVE DETAIL #1**

FILE #: **KEY-DTL-12**

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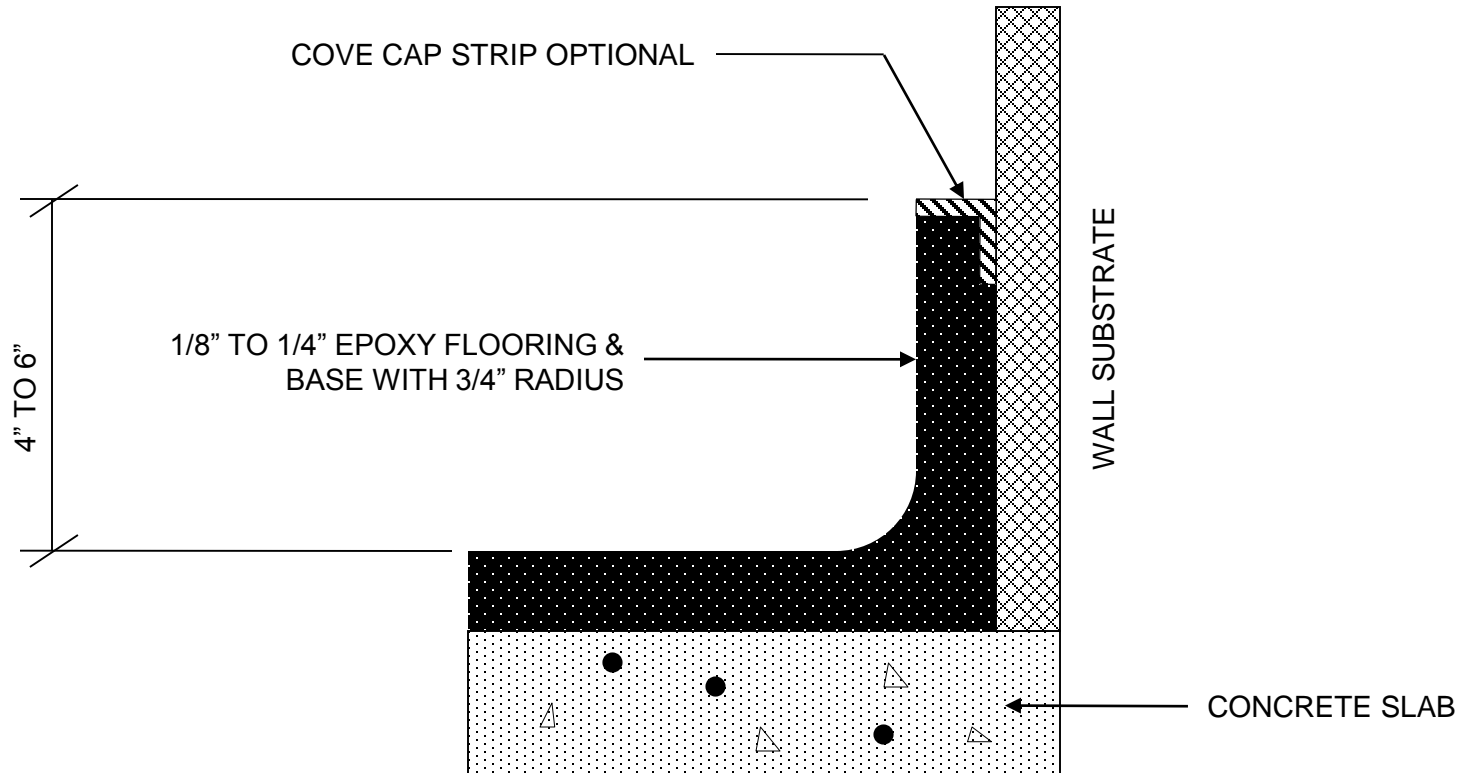
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DETAIL: **COVE DETAIL #2**

FILE #: **KEY-DTL-13**

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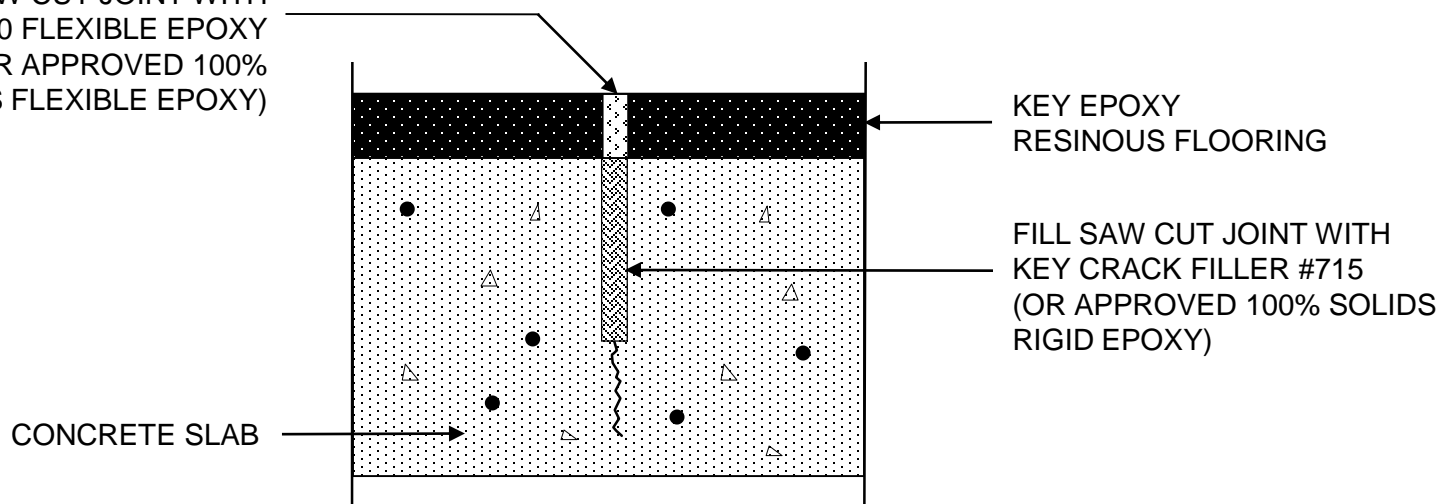
DETAIL: **COVE DETAIL #3 – RESINOUS FLOOR**

FILE #: **KEY-DTL-14**

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SAW CUT CONTROL JOINT RESINOUS FLOOR

FILL SAW CUT JOINT WITH
KEY #780 FLEXIBLE EPOXY
(OR APPROVED 100%
SOLIDS FLEXIBLE EPOXY)



NOTE: FOLLOWING CURE OF INSTALLED
RESINOUS FLOOR, SAW CUT TO RECEIVE
FLEXIBLE EPOXY.



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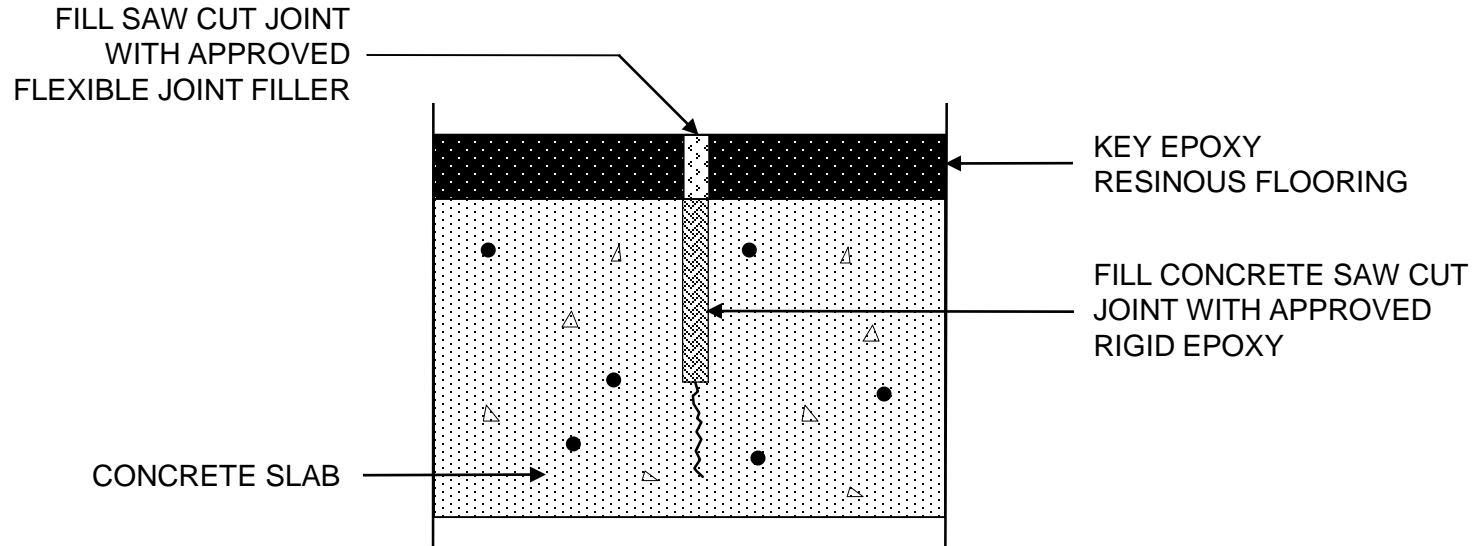
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DATE:
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DETAIL: **JOINT DETAILS – RESINOUS FLOOR**

FILE #: **KEY-DTL-15**

SAW CUT CONTROL JOINT RESINOUS FLOOR



NOTE: FOLLOWING CURE OF INSTALLED
RESINOUS FLOOR, SAW CUT TO RECEIVE
FLEXIBLE JOINT FILLER.



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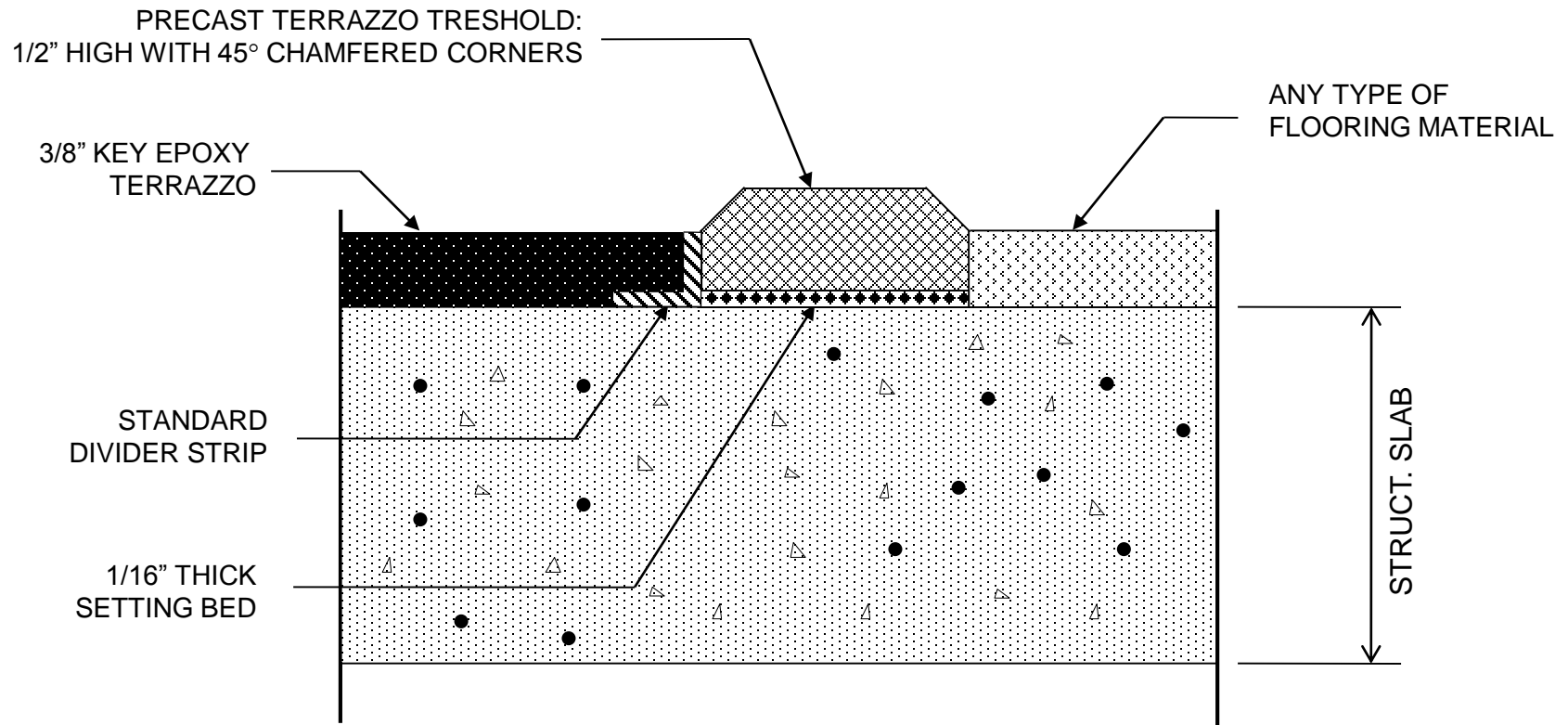
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12/09/16

DETAIL: **JOINT DETAILS – RESINOUS FLOOR**

FILE #: **KEY-DTL-15.A**

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NOTE: DIVIDER STRIP AND PRECAST THRESHOLD ADHERED TO SUBSTRATE WITH 100% SOLIDS EPOXY ADHESIVE.



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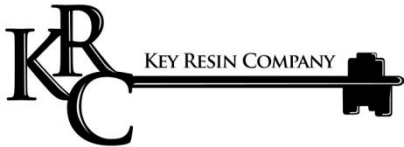
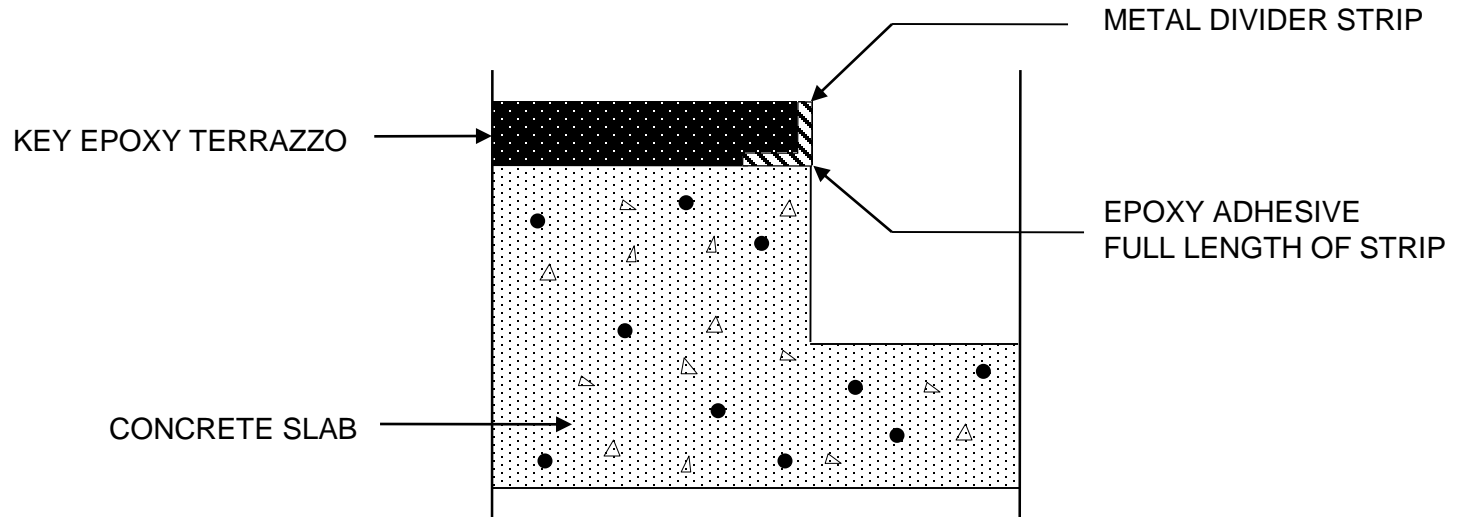
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DETAIL: **PRECAST TERRAZZO THRESHOLD**

FILE #: **KEY-DTL-16**

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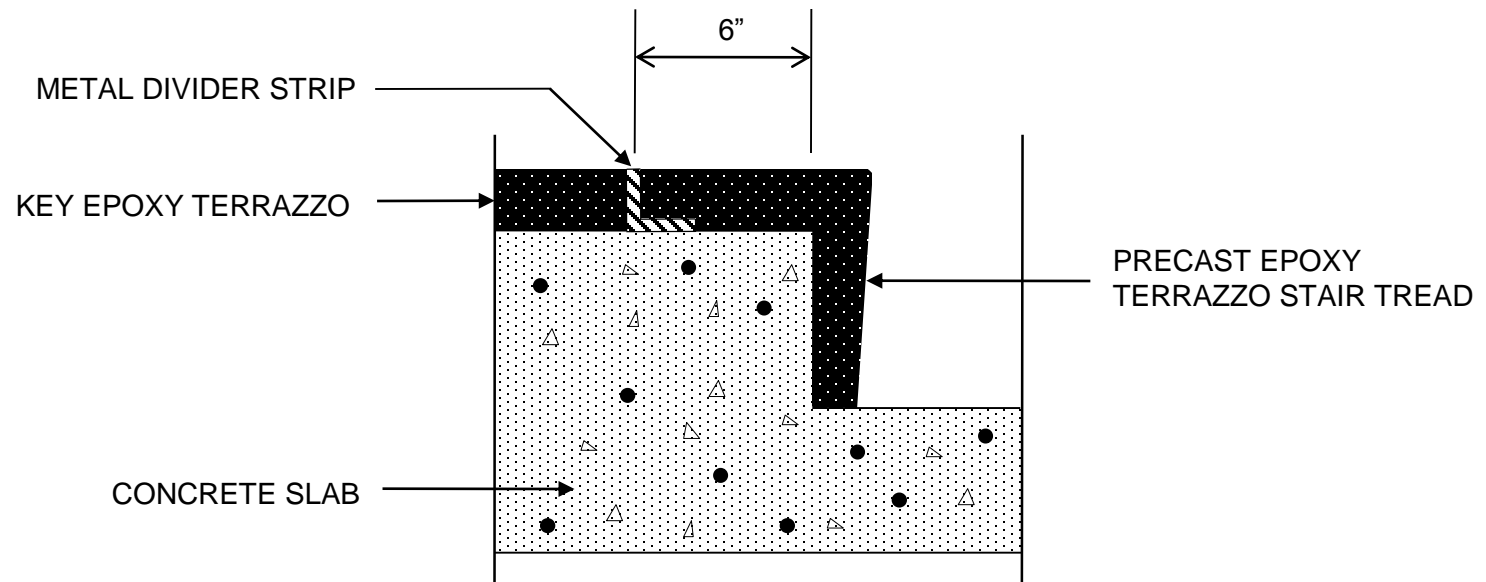
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DETAIL: **TERRAZZO STEP TERMINATION DETAIL**

FILE #: **KEY-DTL-17**

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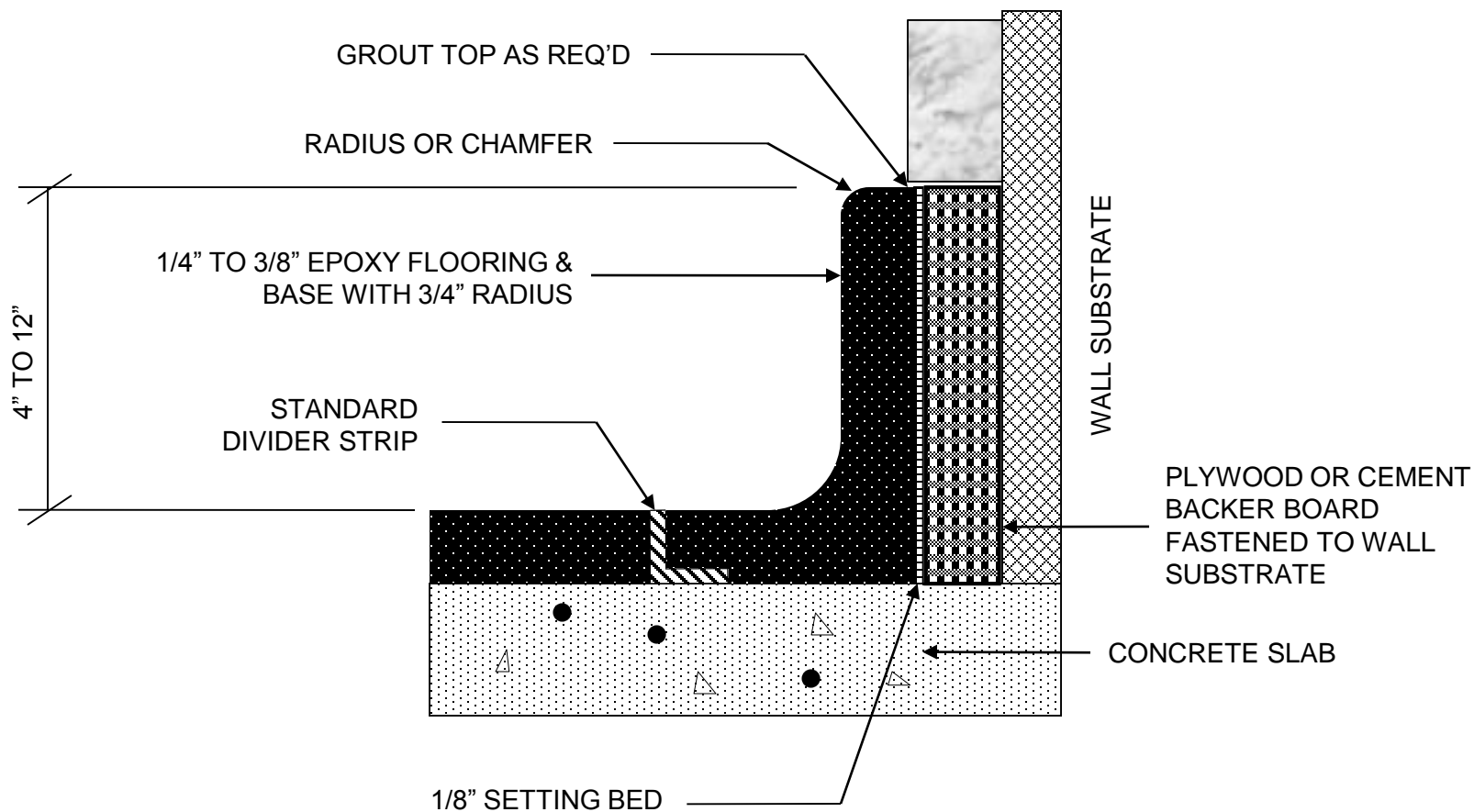
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DETAIL: **RISER TREAD DETAIL**

FILE #: **KEY-DTL-18**

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DETAIL: **PRECAST EPOXY TERRAZZO COVE BASE**

FILE #: **KEY-DTL-19**

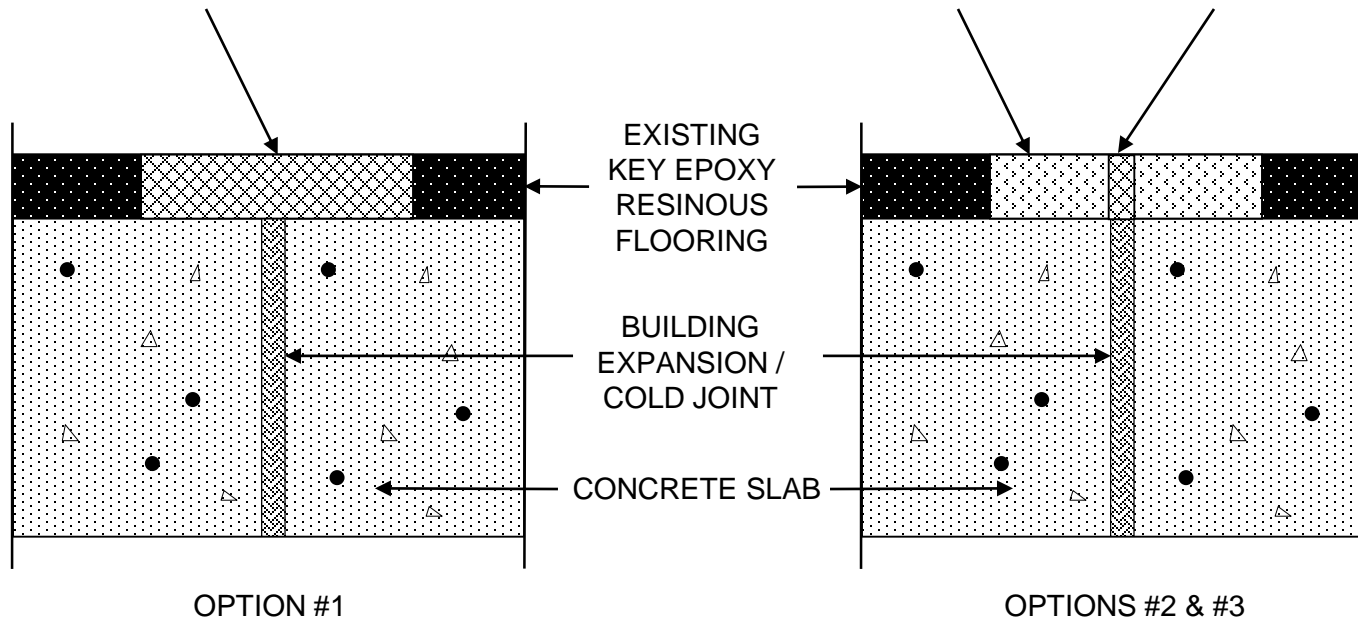
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SAW CUT CONTROL JOINT RESINOUS FLOOR

1. SAW CUT TWO LINES TO CAPTURE ENTIRE WIDTH OF FLOOR CRACK AND REMOVE FLOORING IN BETWEEN
2. FILL SAW CUT JOINT WITH KEY #780 FLEXIBLE EPOXY (OR APPROVED 100% SOLIDS FLEXIBLE EPOXY)

1. SAW CUT TWO LINES TO CAPTURE ENTIRE WIDTH OF FLOOR CRACK AND REMOVE FLOORING IN BETWEEN
2. REPAIR SPACE WITH EXISTING FLOORING SYSTEM OR ALTERNATE COMPLIMENTARY SOLID COLOR EPOXY SYSTEM.

3. SAW CUT NARROW JOINT ABOVE FLOOR JOINT
4. FILL SAW CUT JOINT WITH KEY #780 FLEXIBLE EPOXY (OR APPROVED 100% SOLIDS FLEXIBLE EPOXY)



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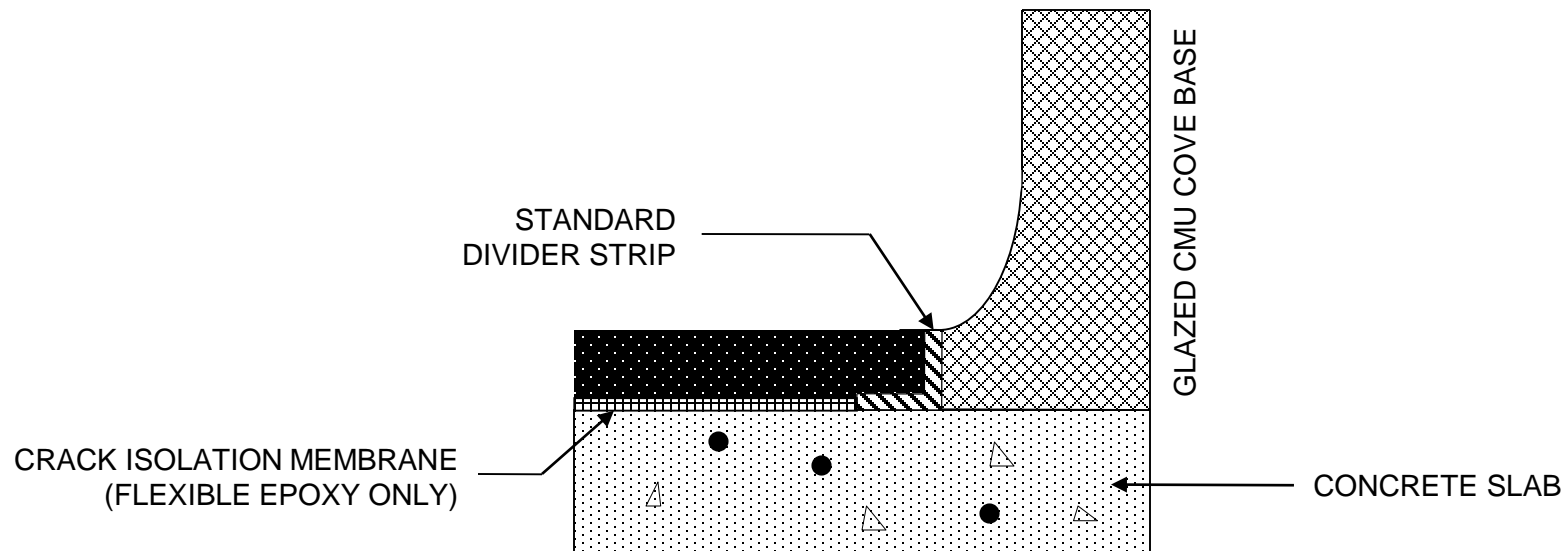
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DETAIL: **JOINT DETAILS – RESINOUS FLOOR**

FILE #: **KEY-DTL-20**

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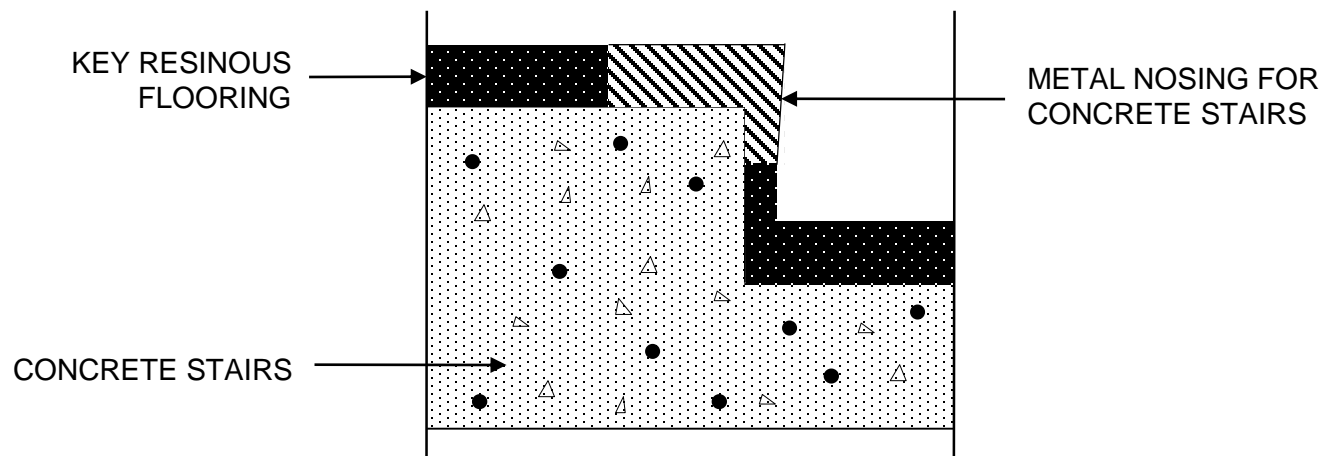
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DETAIL: **COVE DETAIL #4**

FILE #: **KEY-DTL-21**

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DETAIL: **RESINOUS STAIR NOSING DETAIL**

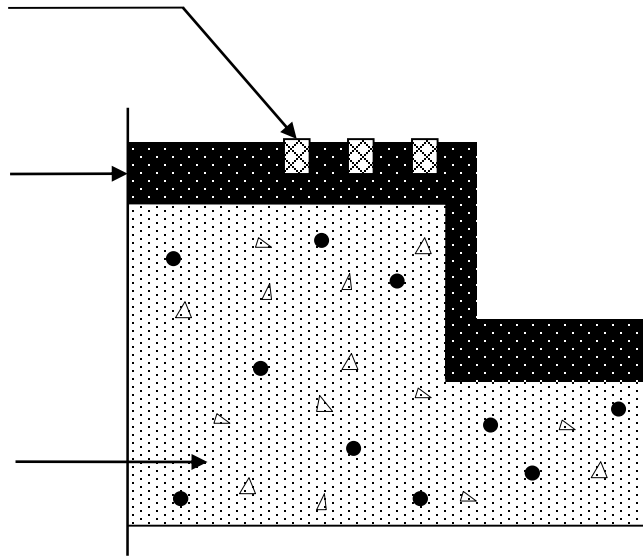
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FILL SAW CUT CHANNELS
WITH SILICON CARBIDE OR
ALUMINUM OXIDE IN 100%
SOLIDS EPOXY RESIN

KEY RESINOUS
FLOORING

CONCRETE STAIRS



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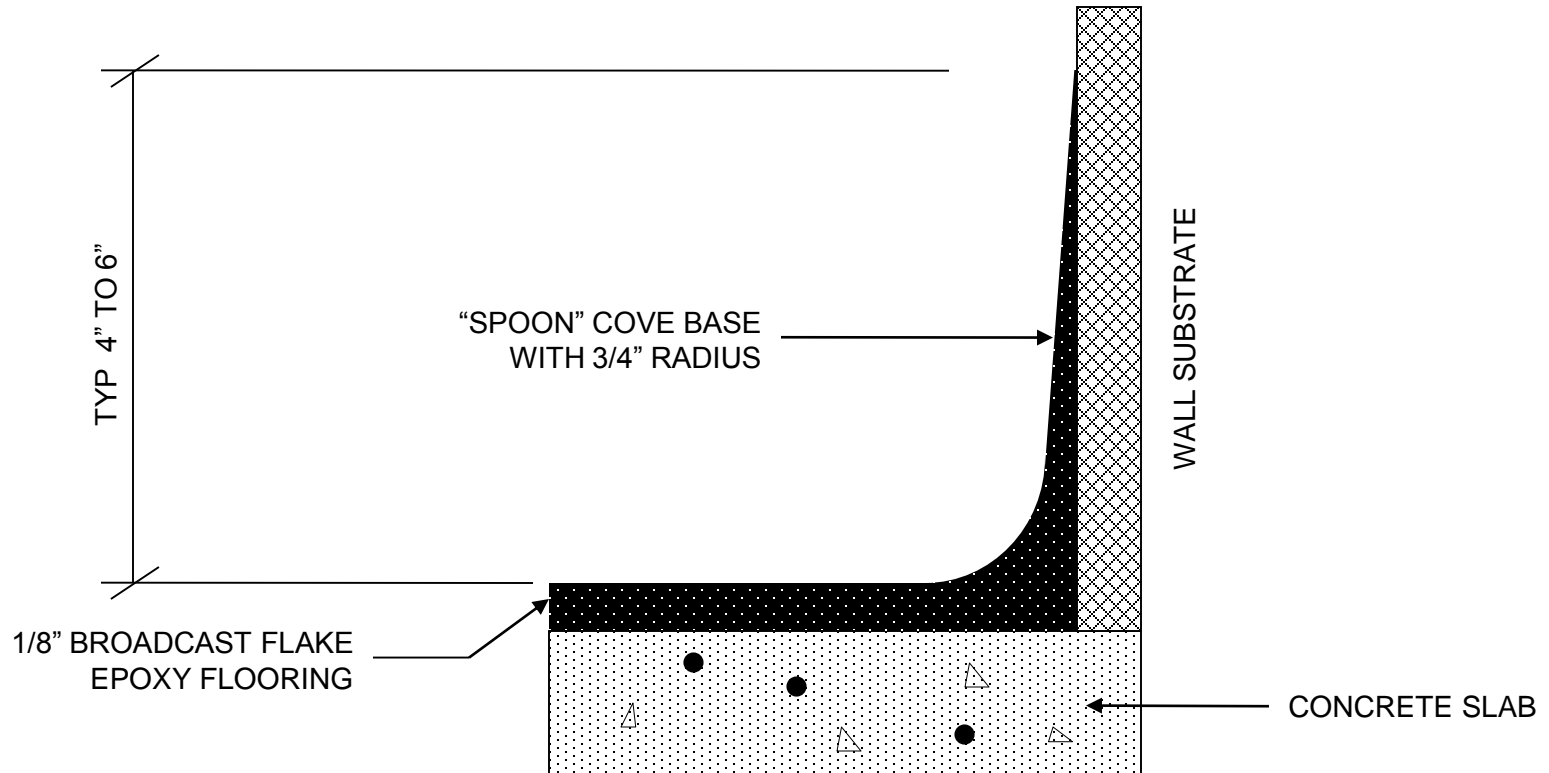
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DETAIL: **RISER TREAD DETAIL**

FILE #: **KEY-DTL-24**

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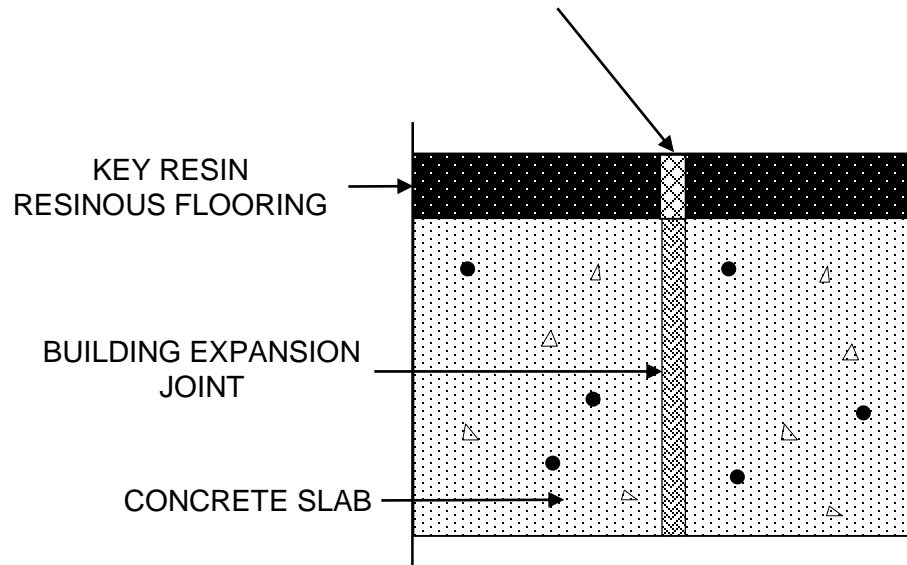
DETAIL: **COVE DETAIL #5 – RESINOUS FLOOR**

FILE #: **KEY-DTL-25**

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SAW CUT EXPANSION JOINT RESINOUS FLOOR

1. INSTALL KEY RESIN RESINOUS FLOORING
2. SAW CUT NARROW JOINT ABOVE FLOOR JOINT
3. FILL SAW CUT JOINT WITH KEY #780 FLEXIBLE EPOXY (OR APPROVED FLEXIBLE JOINT MATERIAL)



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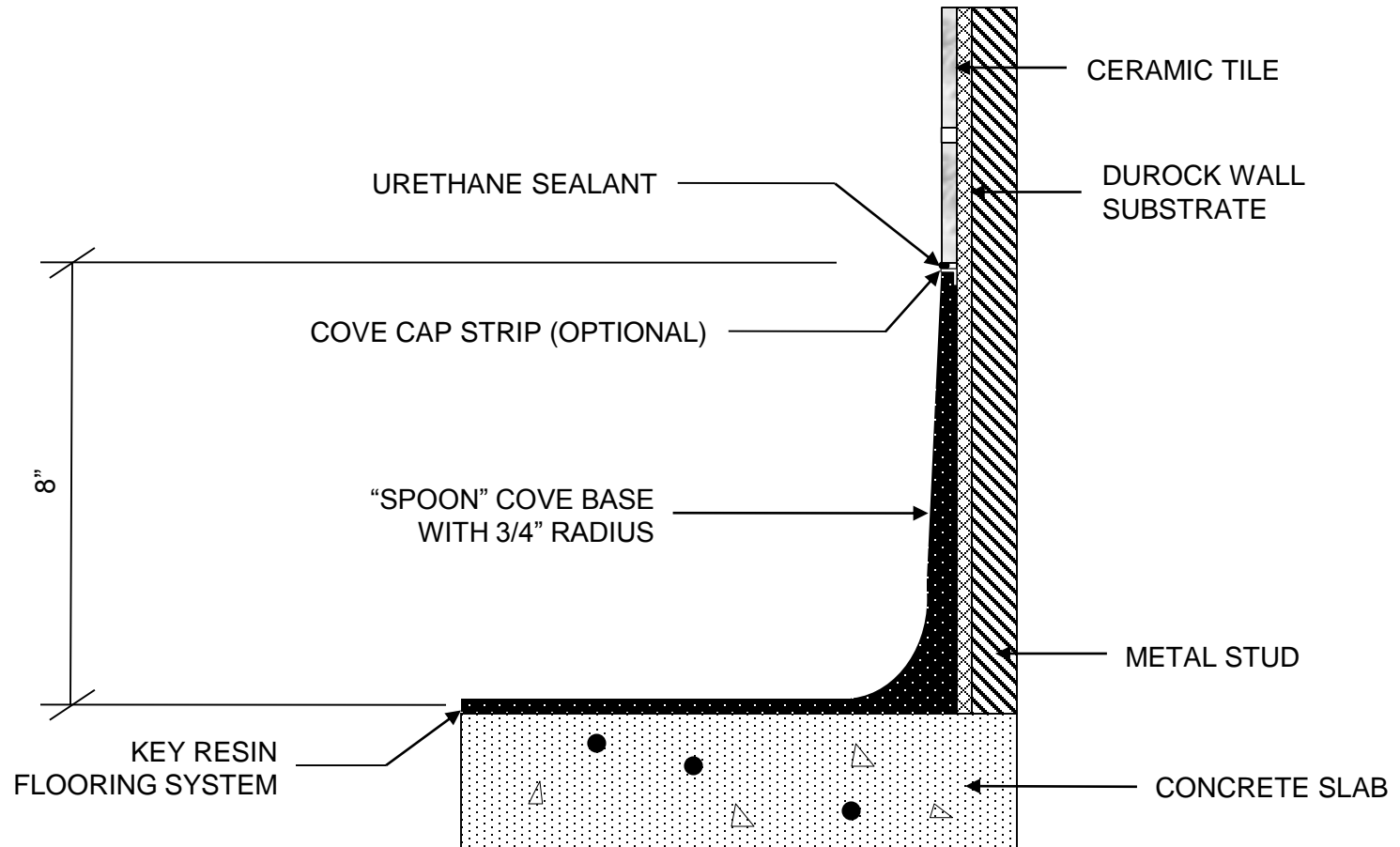
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DETAIL: **SAW CUT EXPANSION JOINT – RS FLR**

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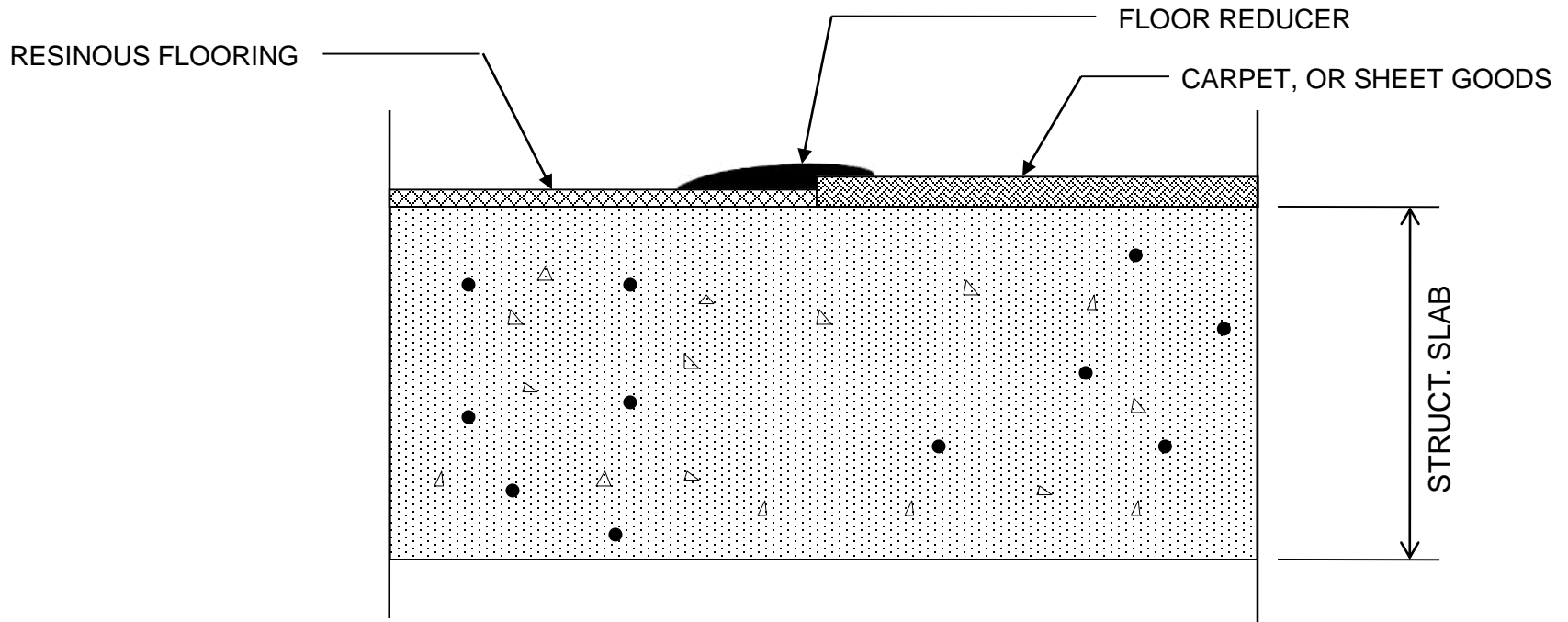
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DETAIL: **COVE DETAIL #6 – 8" RESINOUS COVE**

FILE #: **KEY-DTL-27**

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NOTE: RESINOUS FLOORING TO BE POURED FIRST.
OTHER TRADES TO FINISH AT PROPER ELEVATION



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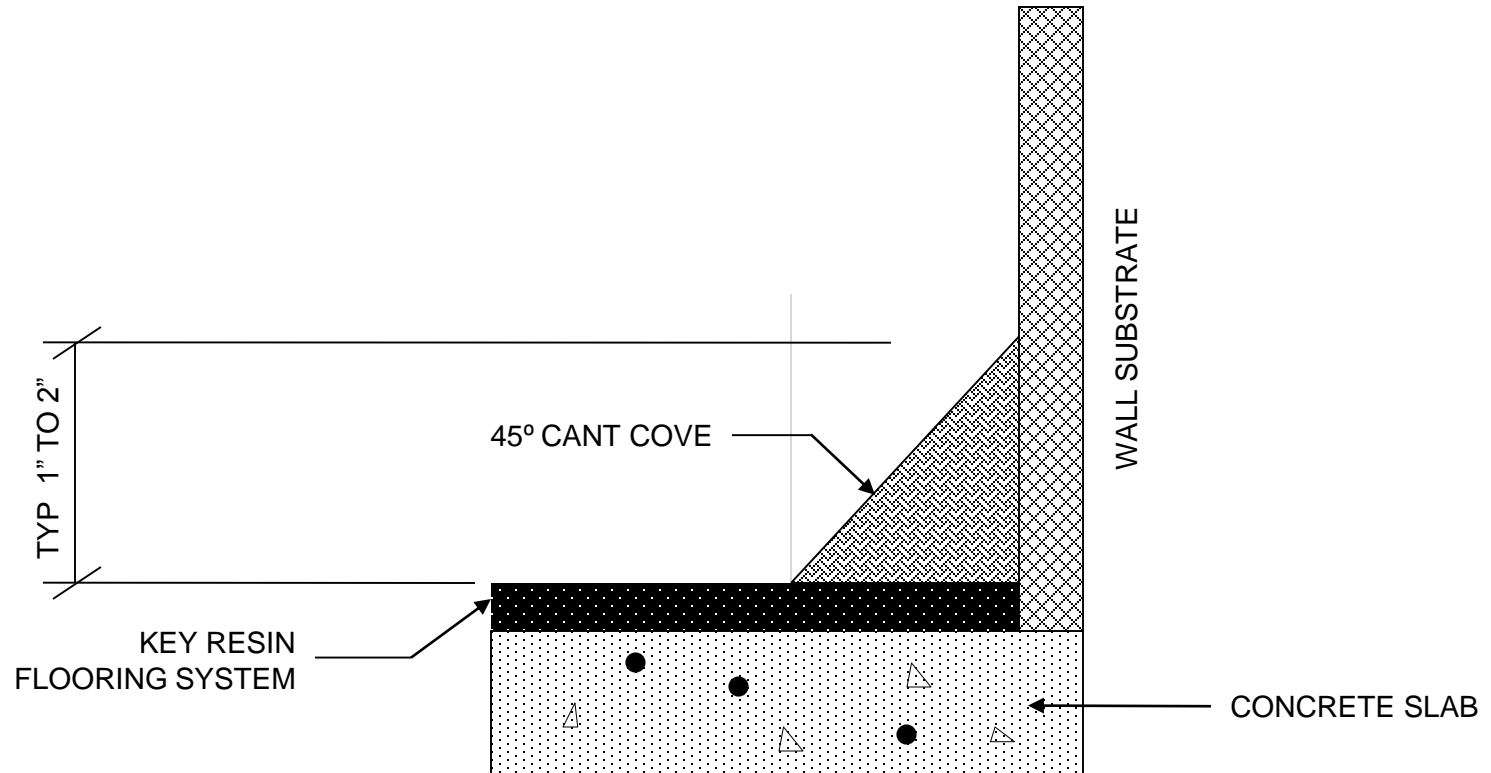
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DETAIL: **RESINOUS FLOOR/CARPET TILE TERMINATION**

FILE #: **KEY-DTL-28**

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DETAIL: **CANT COVE DETAIL – RESINOUS FLOOR**

FILE #: **KEY-DTL-29**

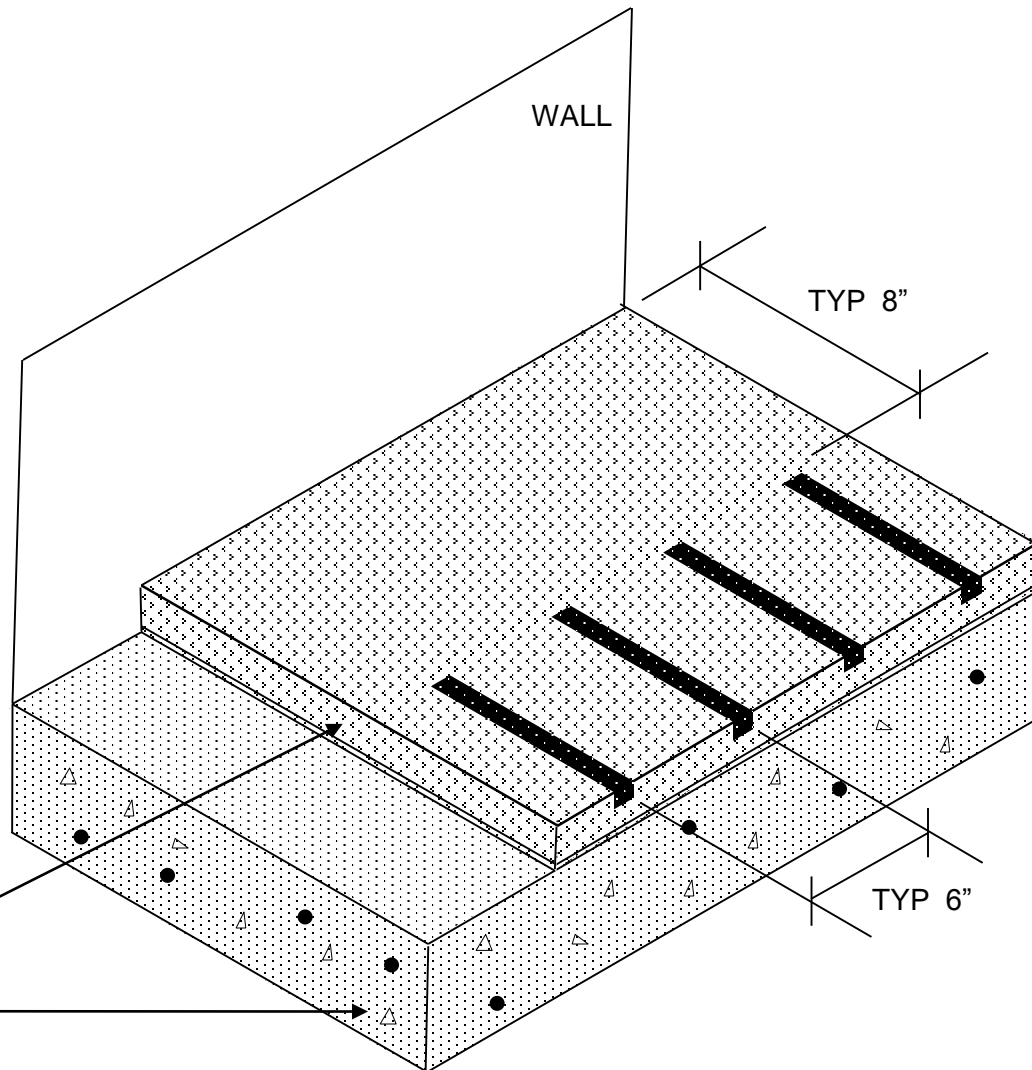
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NOTES:

- TYP POSITIONED 6" APART ACROSS A RAMP PERPENDICULAR TO THE TRAFFIC.
- TYP STOP 8" FROM THE WALL LINE.
- NON-SLIP LINE WIDTH IS NORMALLY 3/8" AND EACH STRIP IS ELEVATED ABOUT 1/16" ABOVE THE TERRAZZO SURFACE.
- COMMON INSTALLATION METHOD IS TO SAW CUT A GROOVE IN THE COMPLETED TERRAZZO 3/8" WIDE AND 1/4" DEEP AND FILL WITH AN EPOXY/ABRASIVE MIXTURE
- TYP ABRASIVES INCLUDE SILICON CARBIDE OR ALUMINUM OXIDE
- THE USE OF LIGHT-COLORED ABRASIVE STRIPS IS NOT RECOMMENDED DUE TO MAINTENANCE FACTORS

KEY RESIN EPOXY
TERRAZZO SYSTEM

CONCRETE SUBSTRATE



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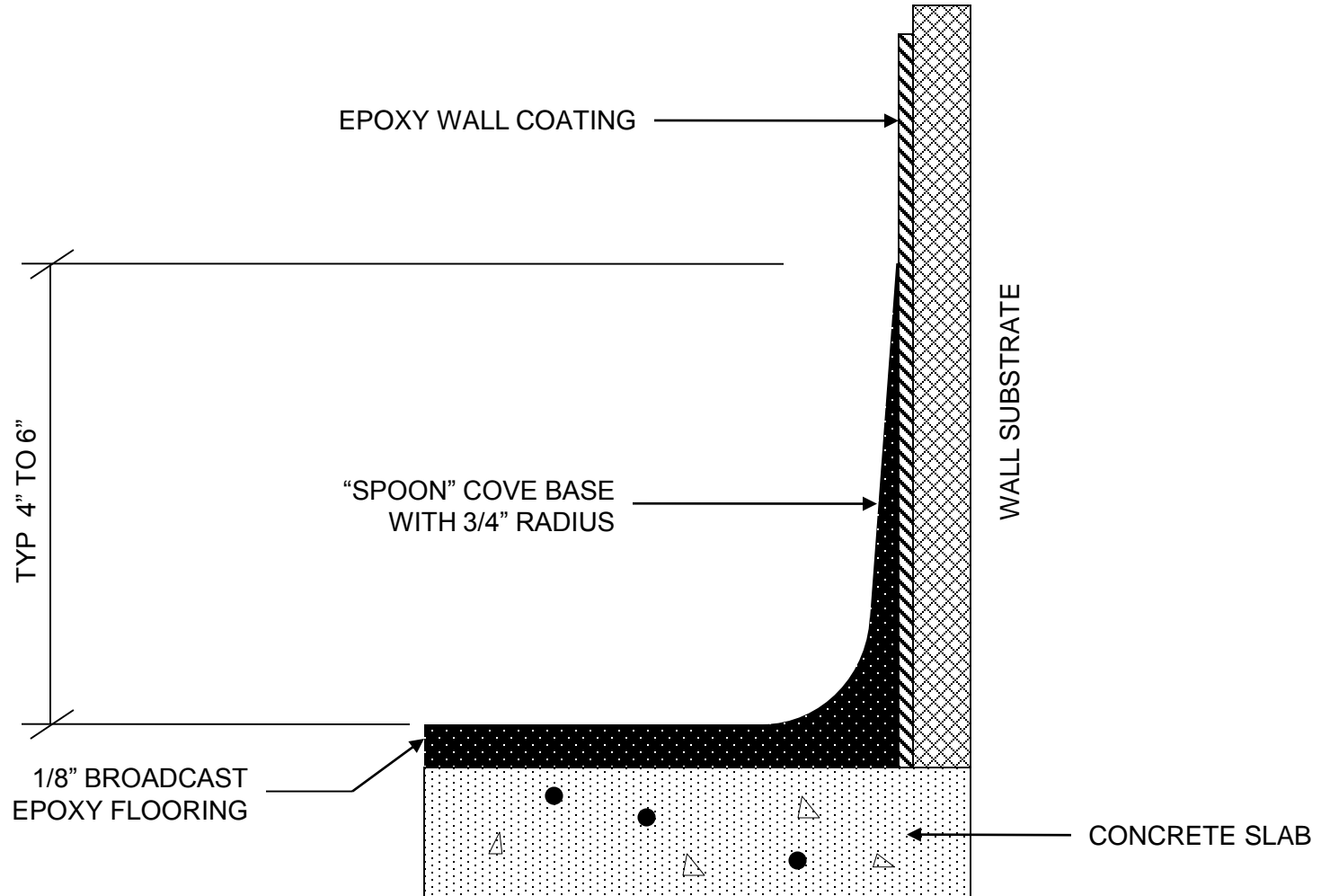
DETAIL:

ABRASIVE NON-SLIP LINES

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KEY-DTL-30

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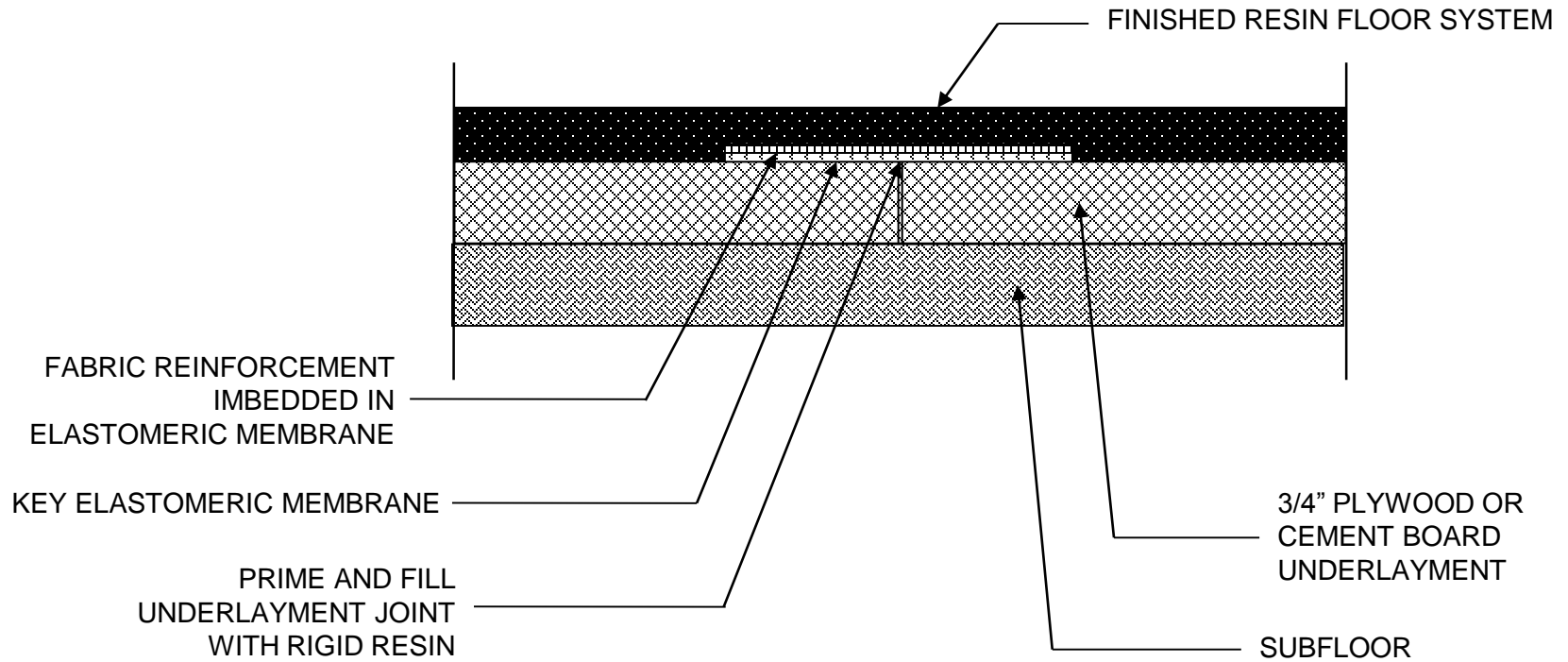
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DETAIL: **COVE DETAIL – RESINOUS FLOOR/WALL**

FILE #: **KEY-DTL-31**

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NOTE: REFER TO KEY RESIN TECHNICAL BULLETIN #1 FOR SELECTION OF WOOD SUBSTRATE MATERIALS



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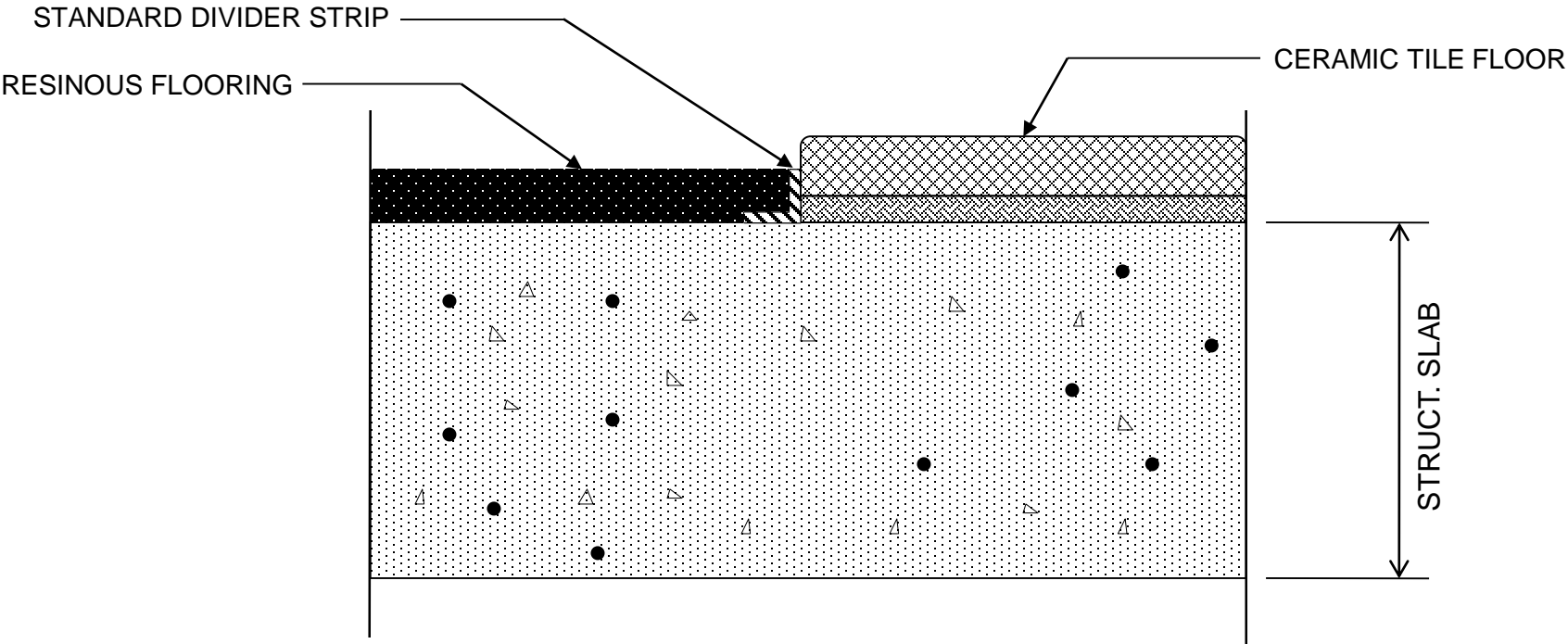
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DETAIL: **JOINT TREATMENT – WOOD/CEMENT BOARD**

FILE #: **KEY-DTL-32**

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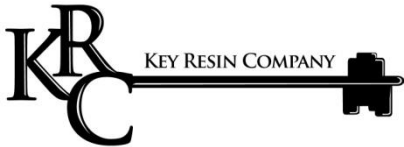
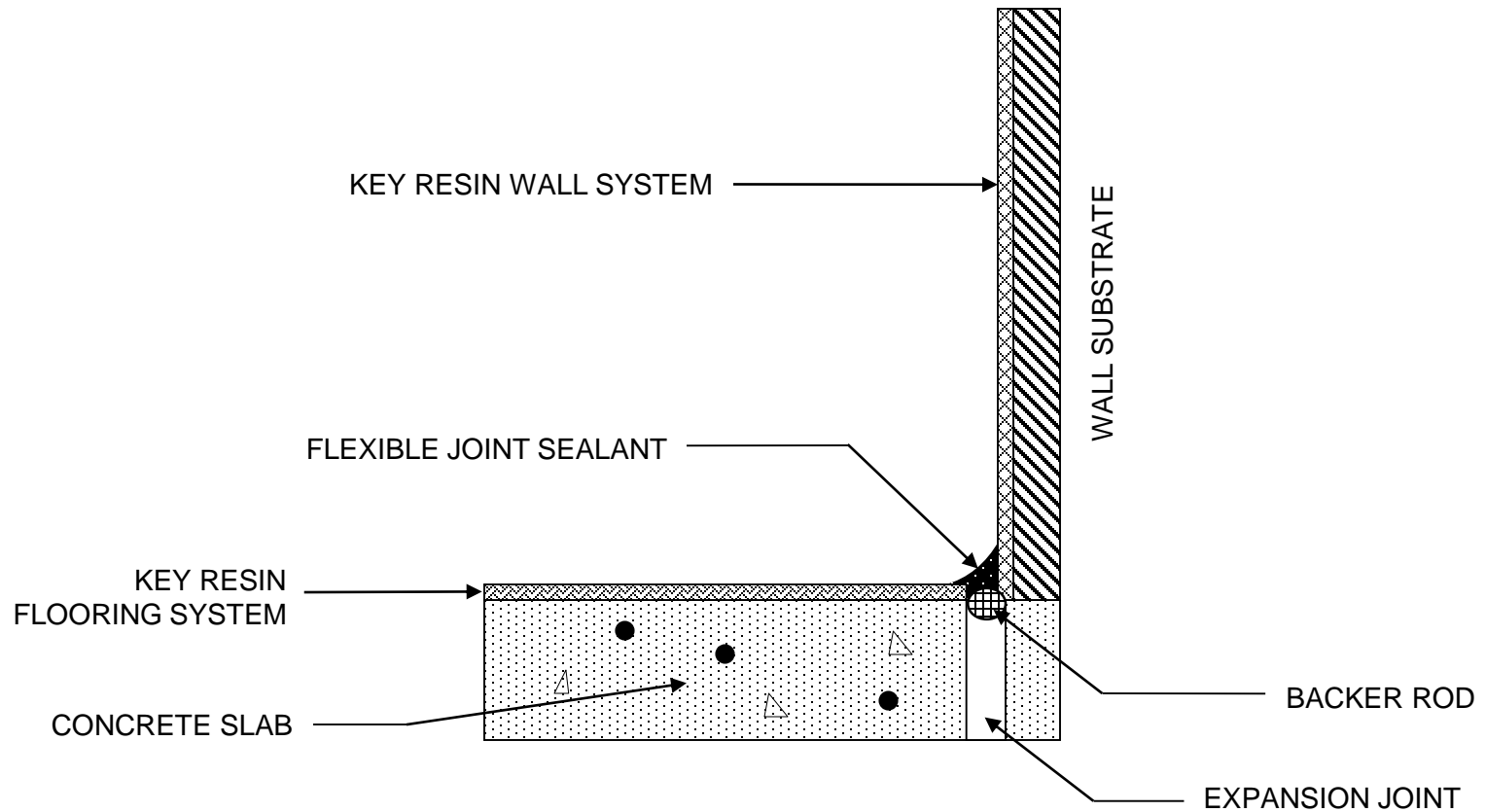


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NOT TO
SCALE
DATE:
03/20/15

DETAIL: RESINOUS FLR/CERAMIC TILE TERMINATION
FILE #: KEY-DTL-33

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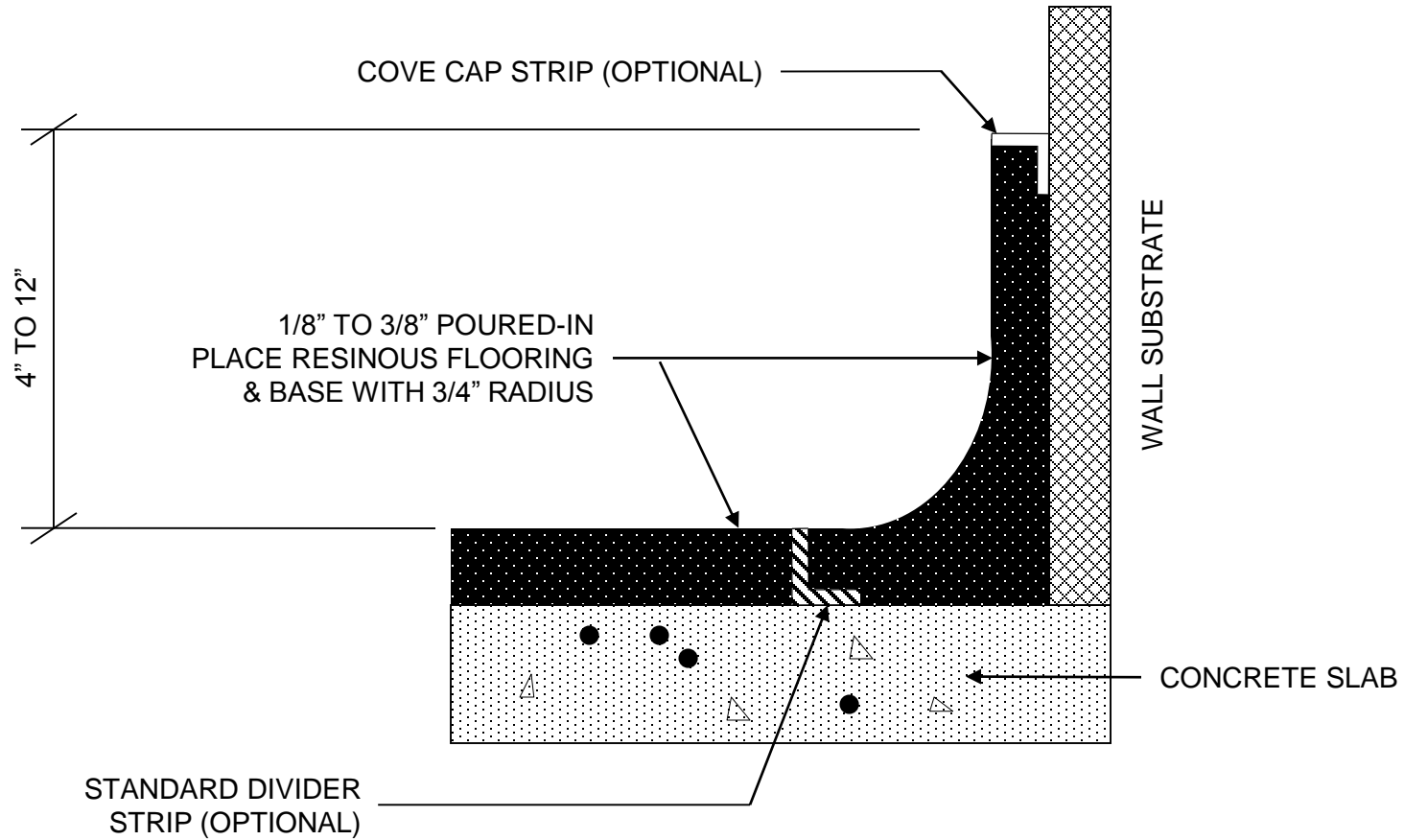
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DATE:
05/01/15

DETAIL: **COVE DETAIL #7 – OVER EXPANSION**

FILE #: **KEY-DTL-34**

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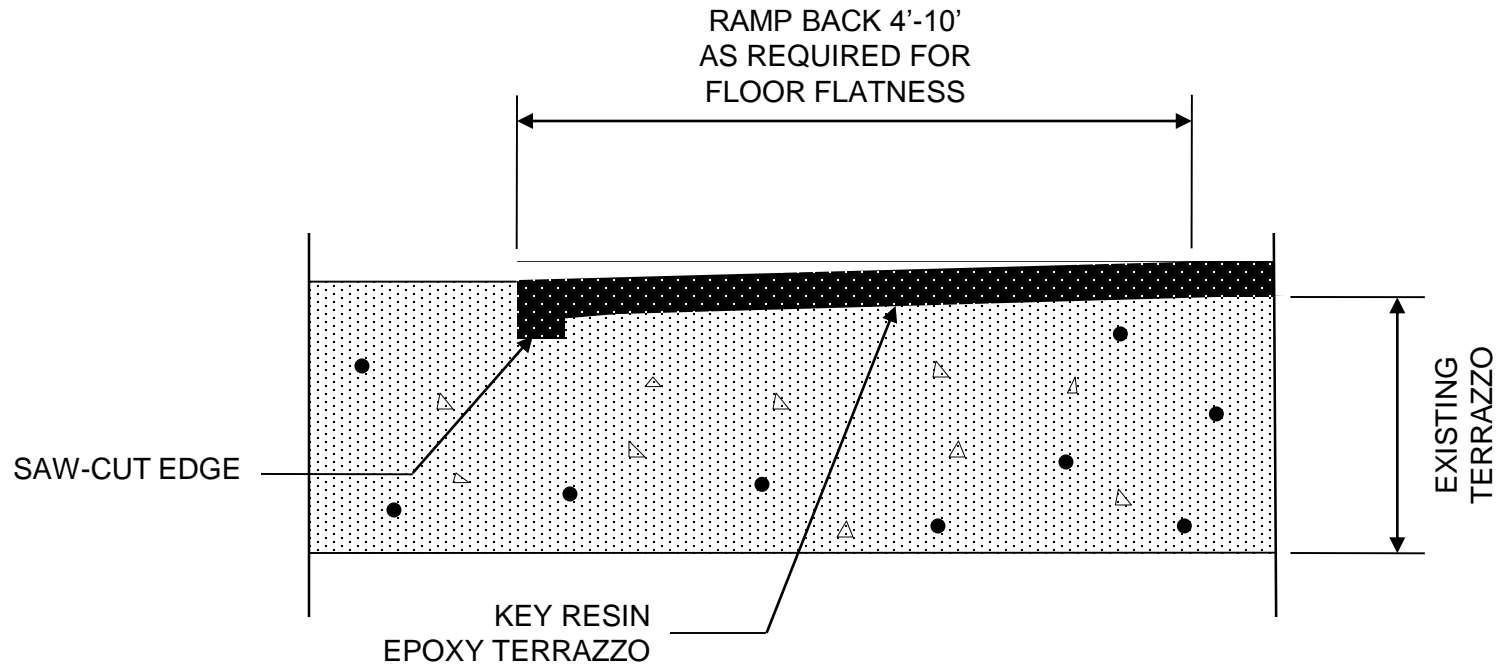
NOT TO
SCALE

DATE:
05/04/15

DETAIL: **COVE DETAIL #8 – RESINOUS W/ STRIPS**

FILE #: **KEY-DTL-35**

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NOTE:

- SAW CUT TO CREATE A CLEAN TRANSITION EDGE.
- GRIND, SCARIFY, OR CHIP OUT EXISTING MATERIAL TO ALLOW FOR FULL THICKNESS OF FINAL FLOOR TOPPING WITHOUT FEATHER EDGING.
- FOLLOW THE NTMA'S STANDARD RECOMMENDATIONS FOR INSTALLATION OVER EXISTING TERRAZZO.



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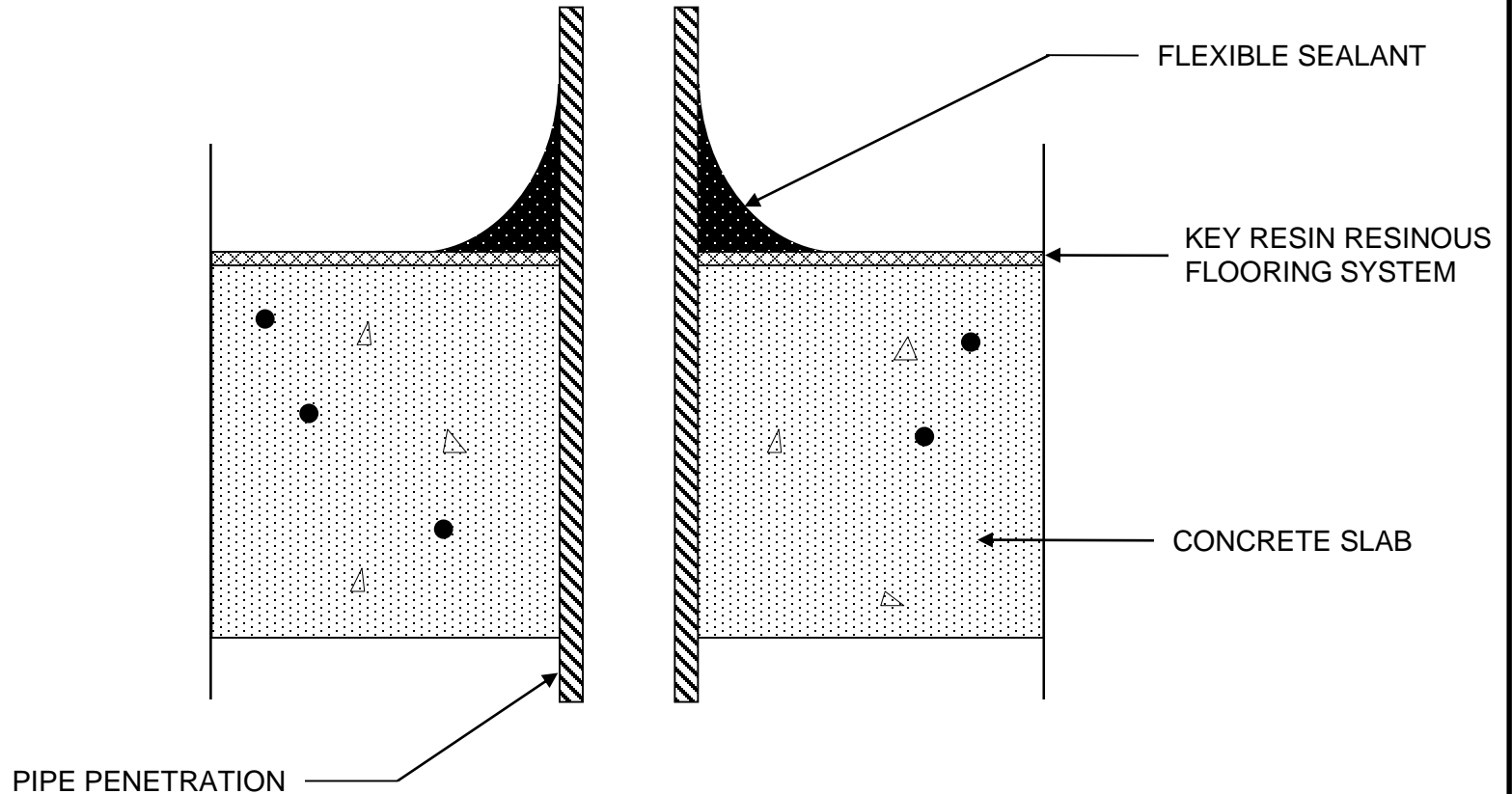
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DATE:
06/05/15

DETAIL: **TERRAZZO OVERLAY TRANSITION**

FILE #: **KEY-DTL-36**

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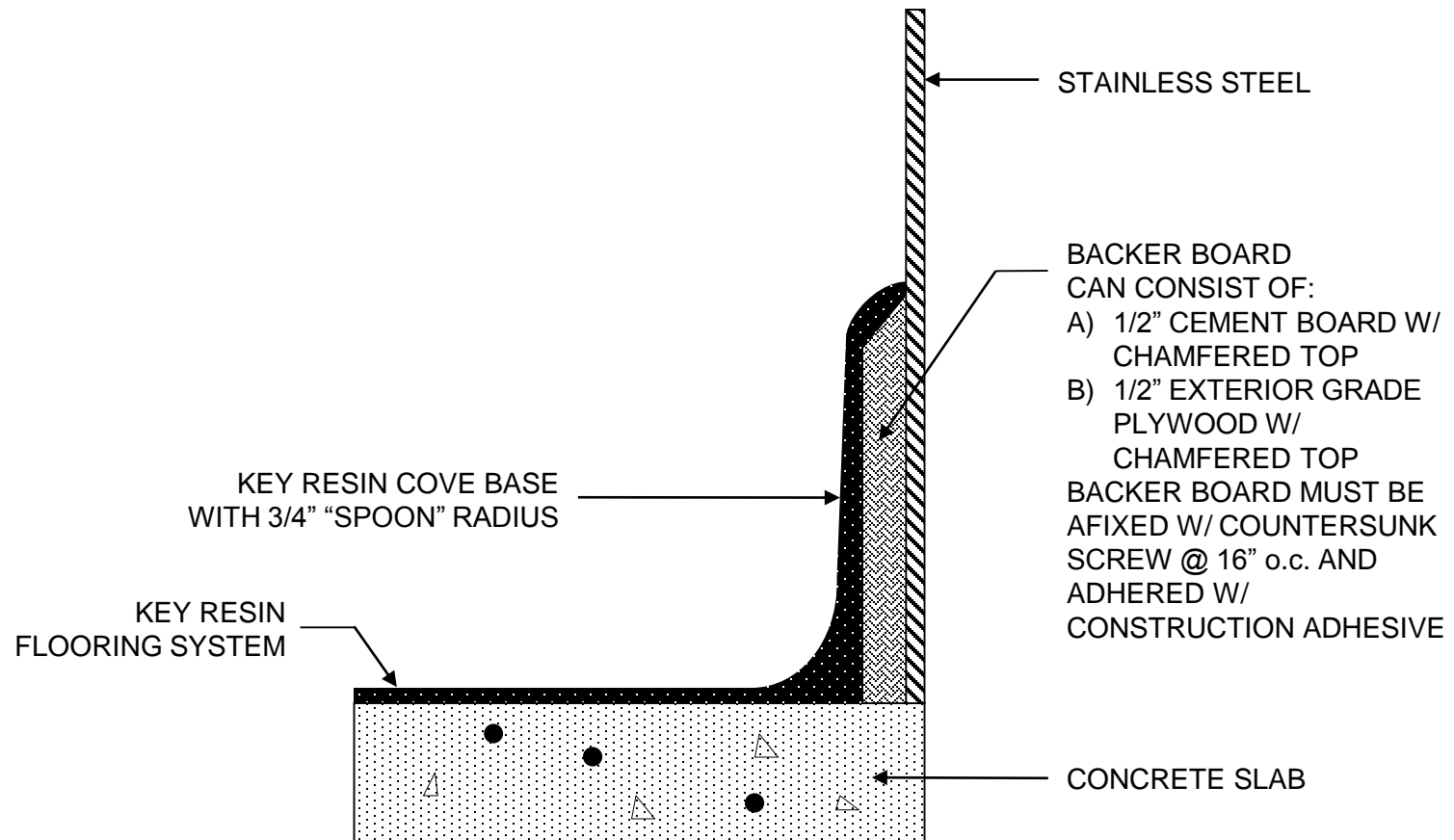
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DATE:
06/15/15

DETAIL: **PIPE PENETRATION DETAIL**

FILE #: **KEY-DTL-37**

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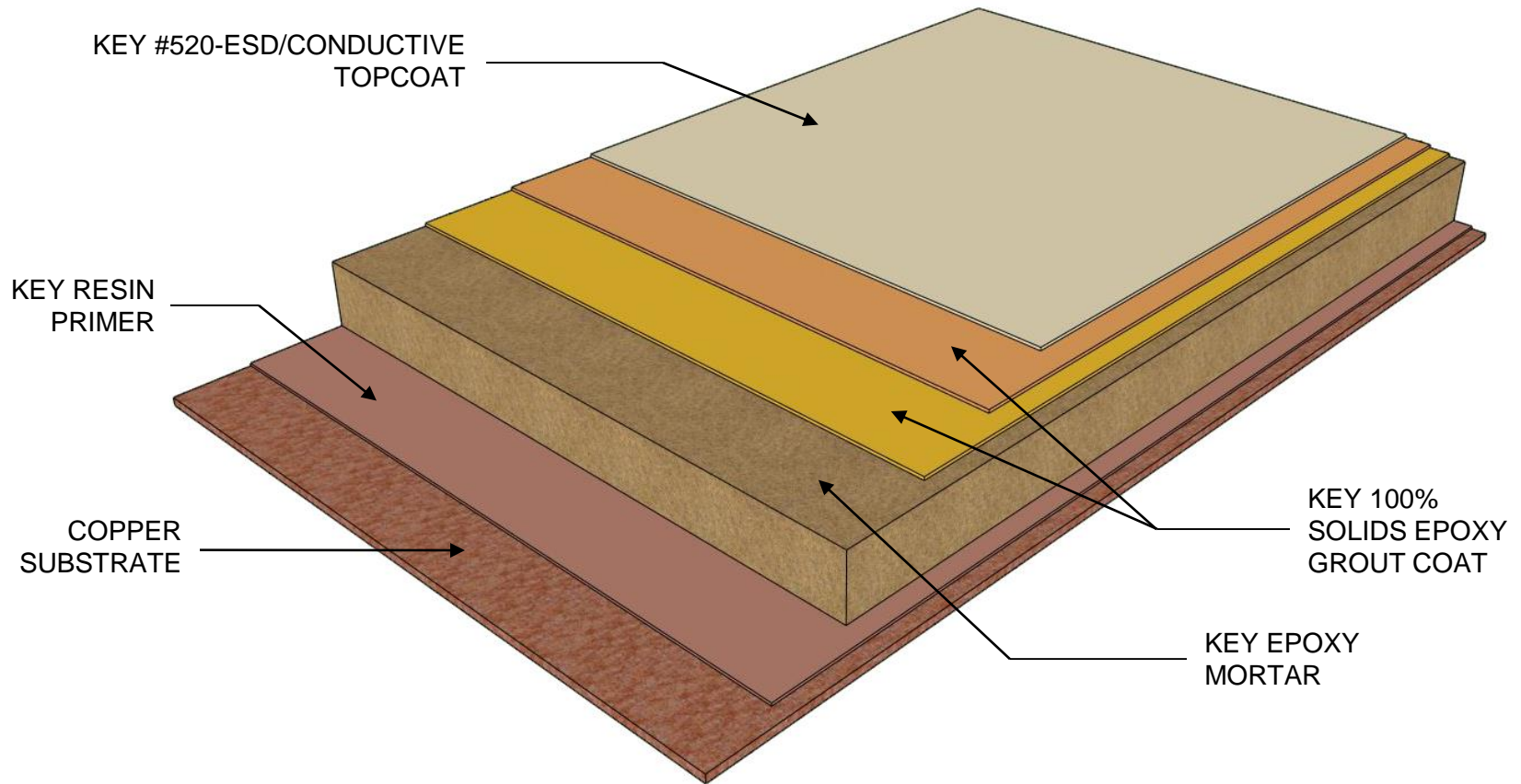
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DATE:
06/23/15

DETAIL: **COVE BASE ON STAINLESS STEEL**

FILE #: **KEY-DTL-38**

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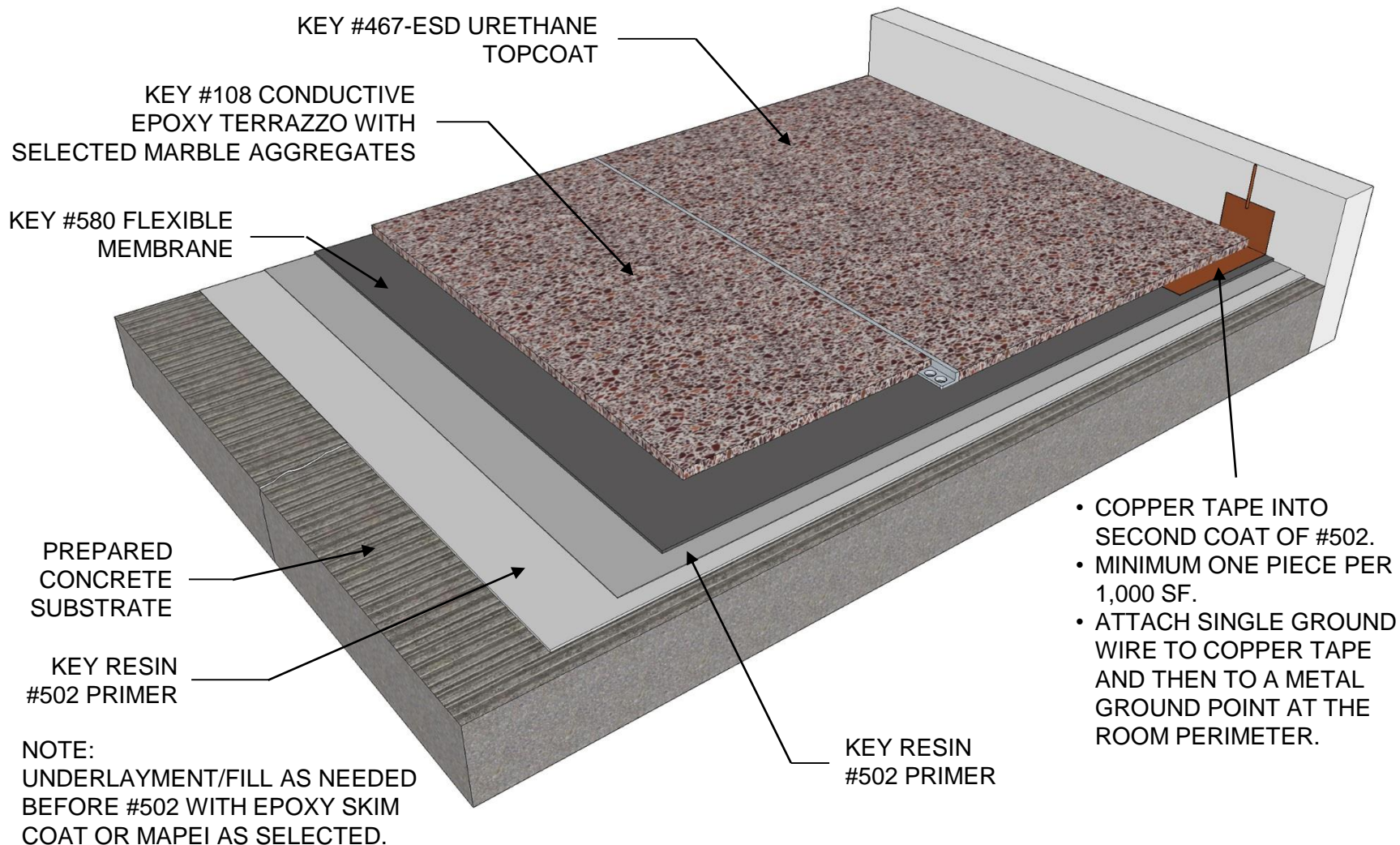
NOT TO
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DATE:
11/13/15

DETAIL: **TYPICAL MRI SUITE FLOORING DETAIL**

FILE #: **KEY-DTL-39**

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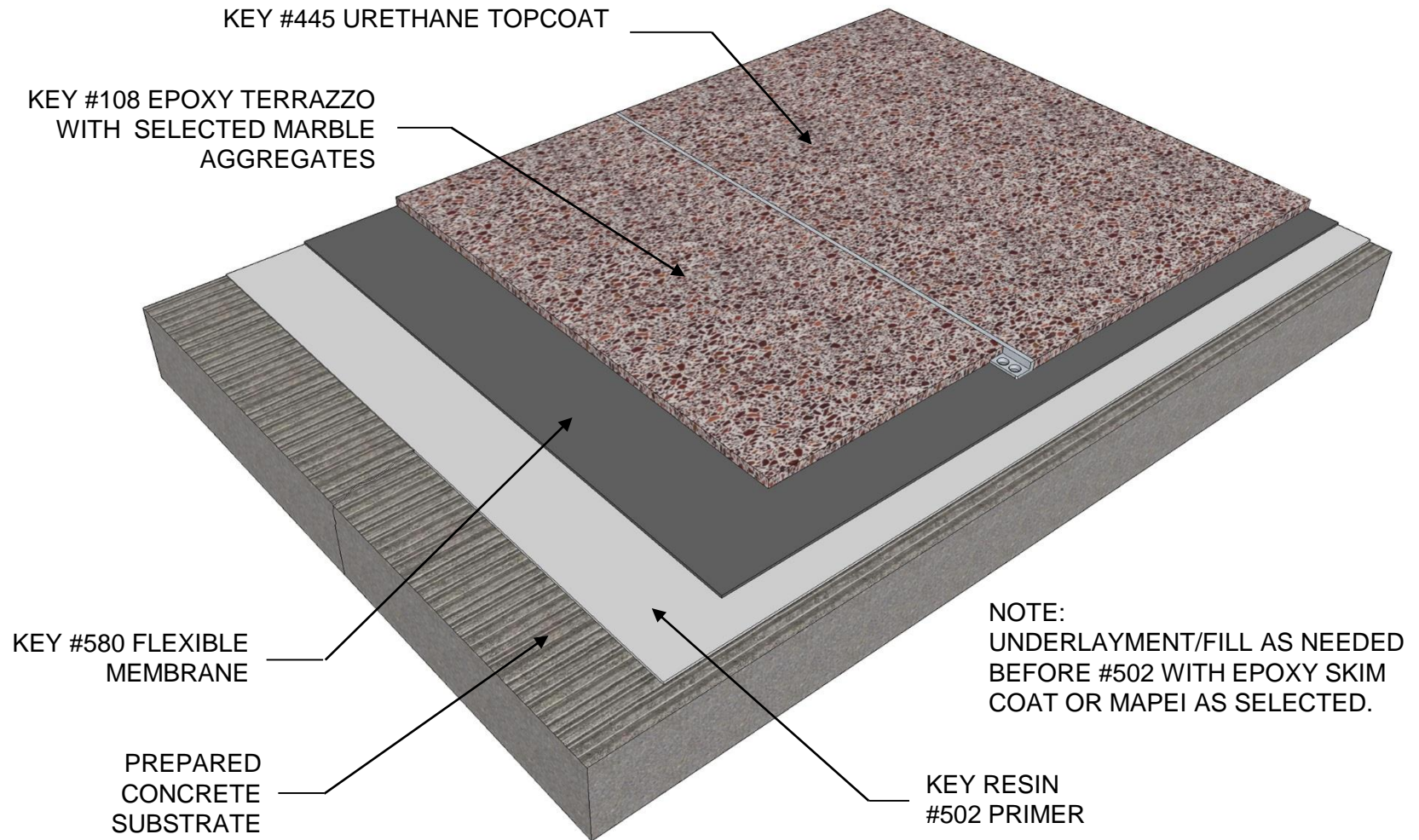
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DATE:
12/11/15

DETAIL: **KEY CONDUCTIVE EPOXY TERRAZZO**

FILE #: **KEY-DTL-40**

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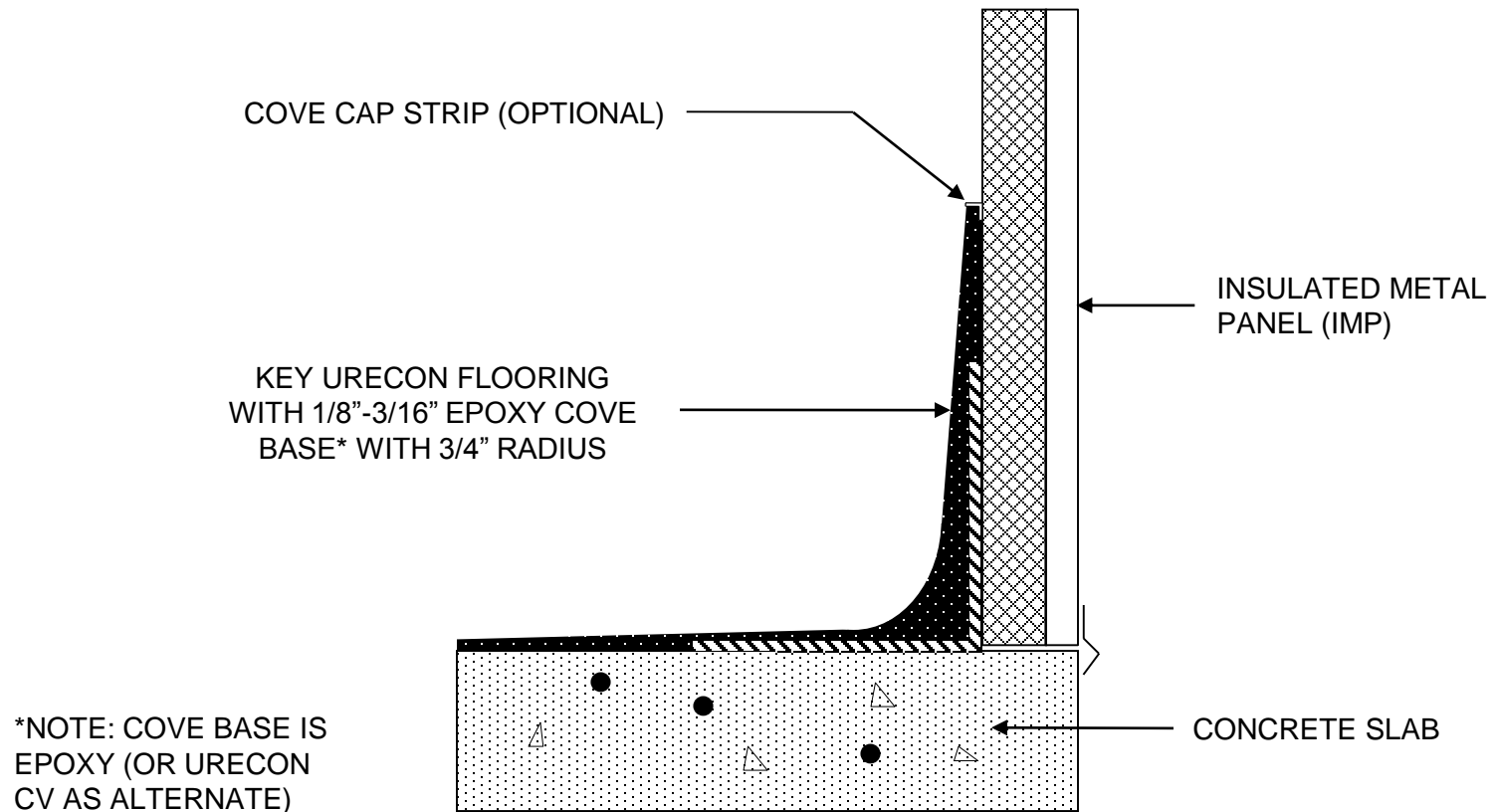
NOT TO
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DATE:
12/11/15

DETAIL: **KEY EPOXY TERRAZZO**

FILE #: **KEY-DTL-41**

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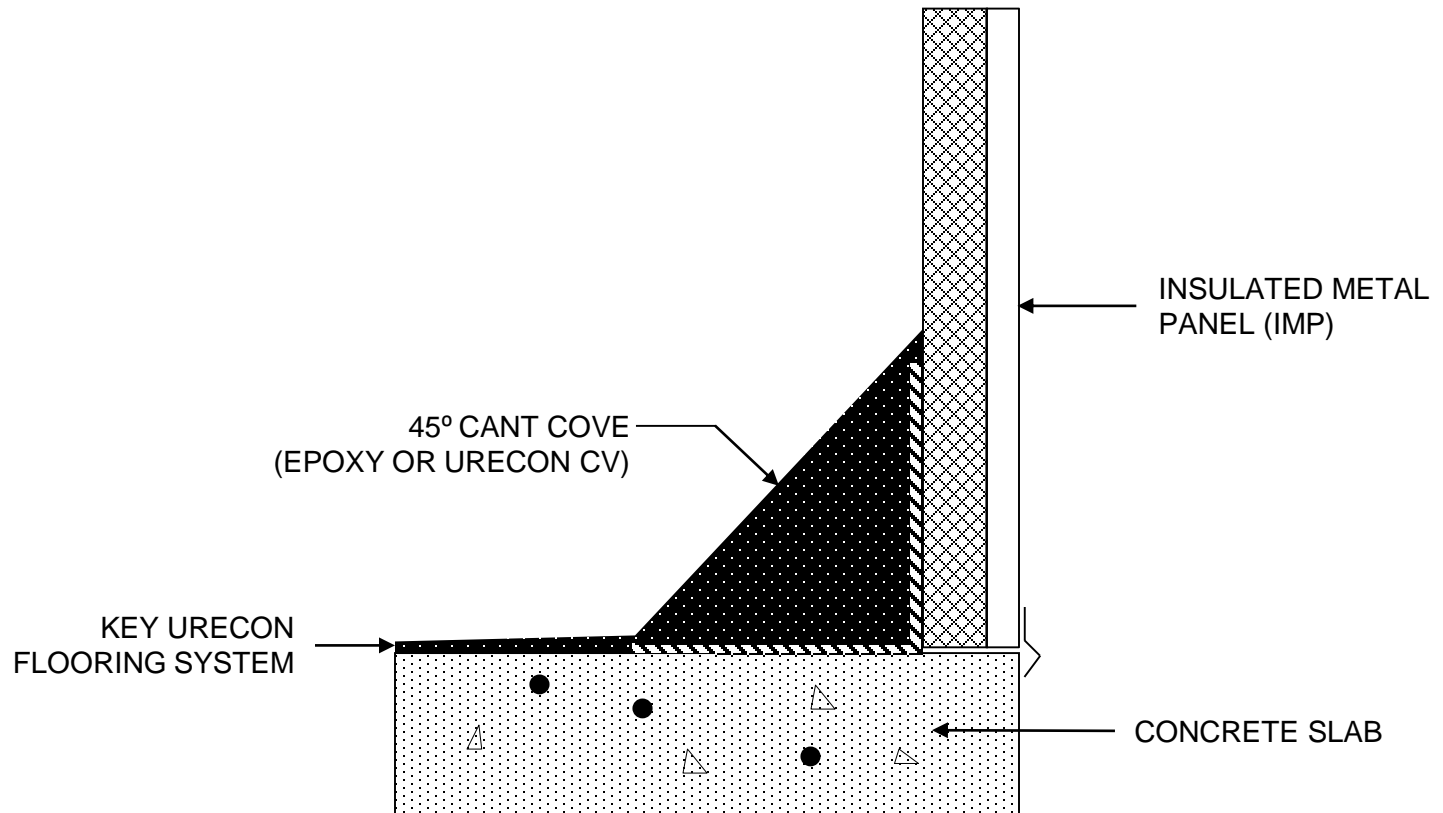
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DATE:
12/14/15

DETAIL: **COVE DETAIL #9 – INTEGRAL WITH IMP**

FILE #: **KEY-DTL-42**

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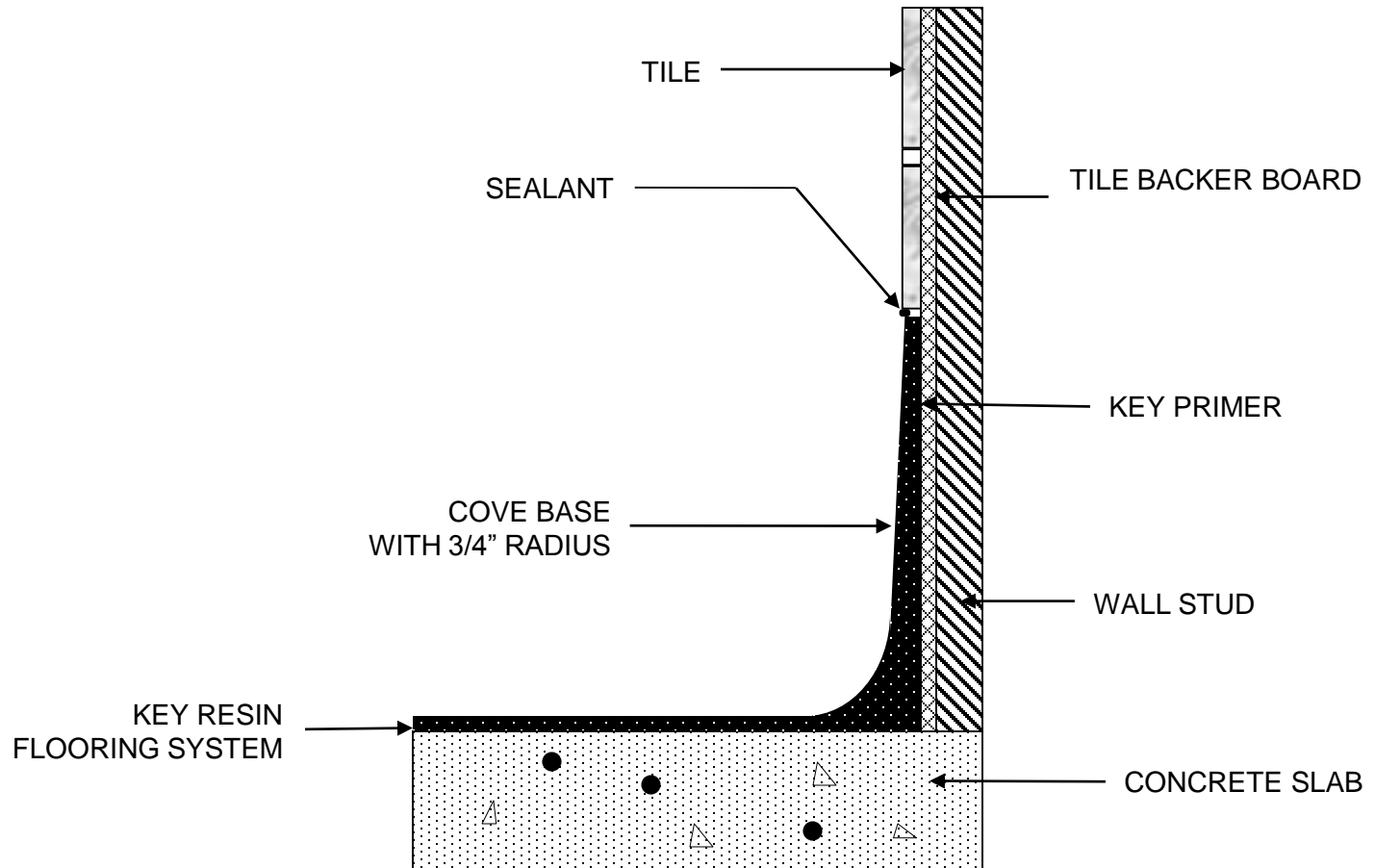
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DATE:
12/14/15

DETAIL: **COVE DETAIL #10 – CANT WITH IMP**

FILE #: **KEY-DTL-42**

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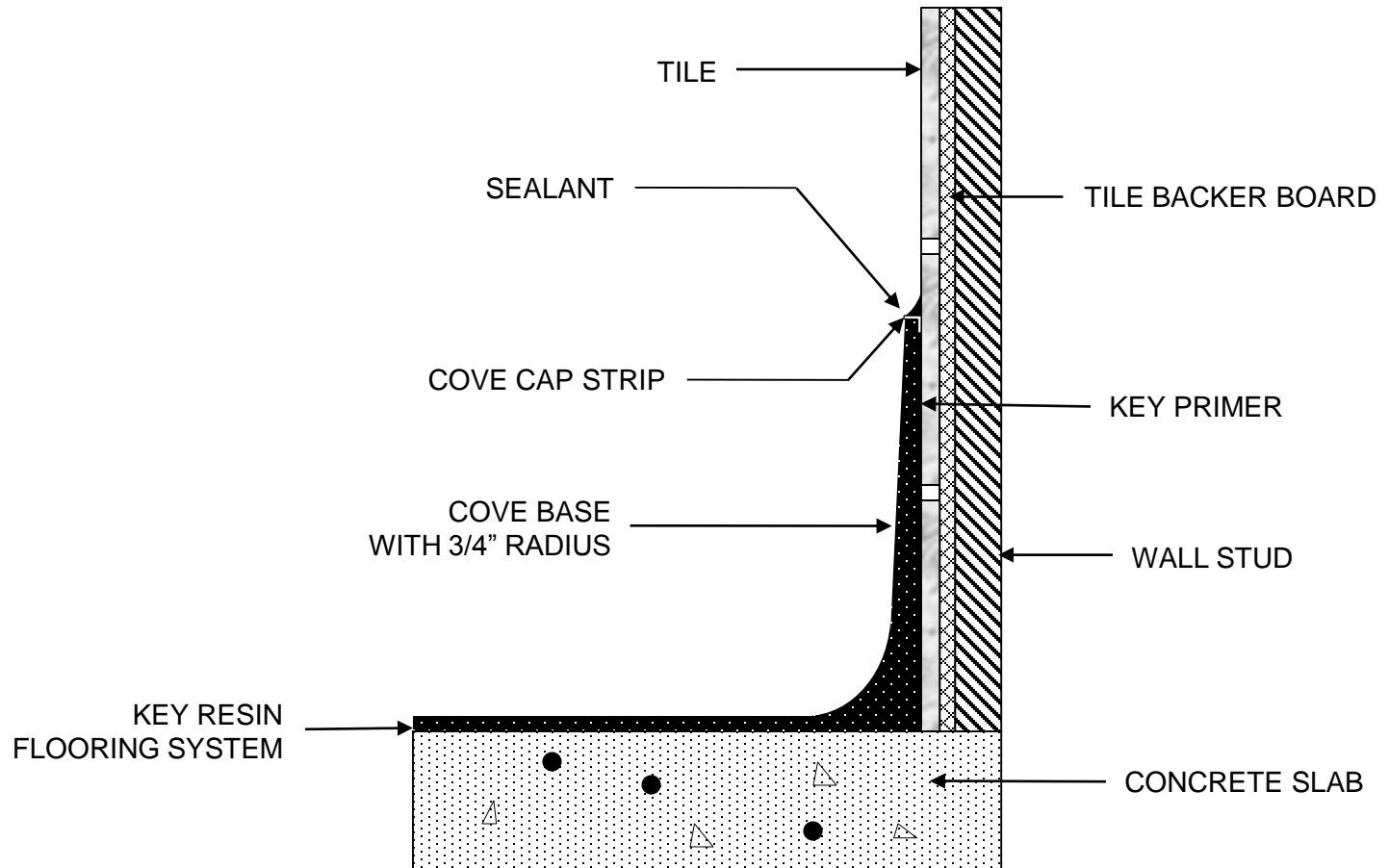
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DATE:
02/02/16

DETAIL: **COVE DETAIL #11 – TILE WALL #1**

FILE #: **KEY-DTL-43**

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NOTE:
TILE TO RECEIVE COVE BASE MUST BE
AGGRESSIVELY PREPARED TO REMOVE ALL GLOSS



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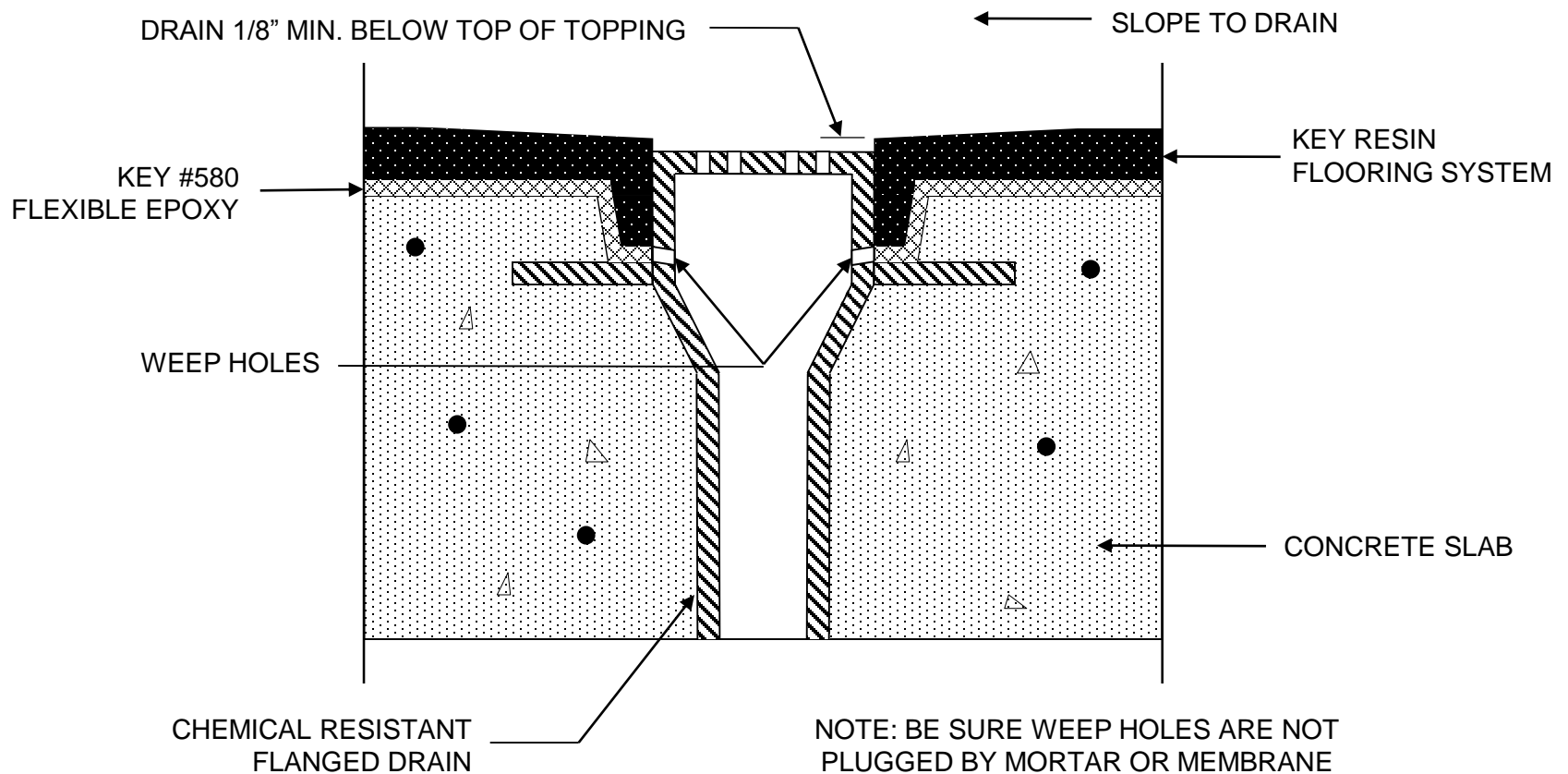
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DATE:
02/02/16

DETAIL: **COVE DETAIL #12 – TILE WALL #2**

FILE #: **KEY-DTL-44**

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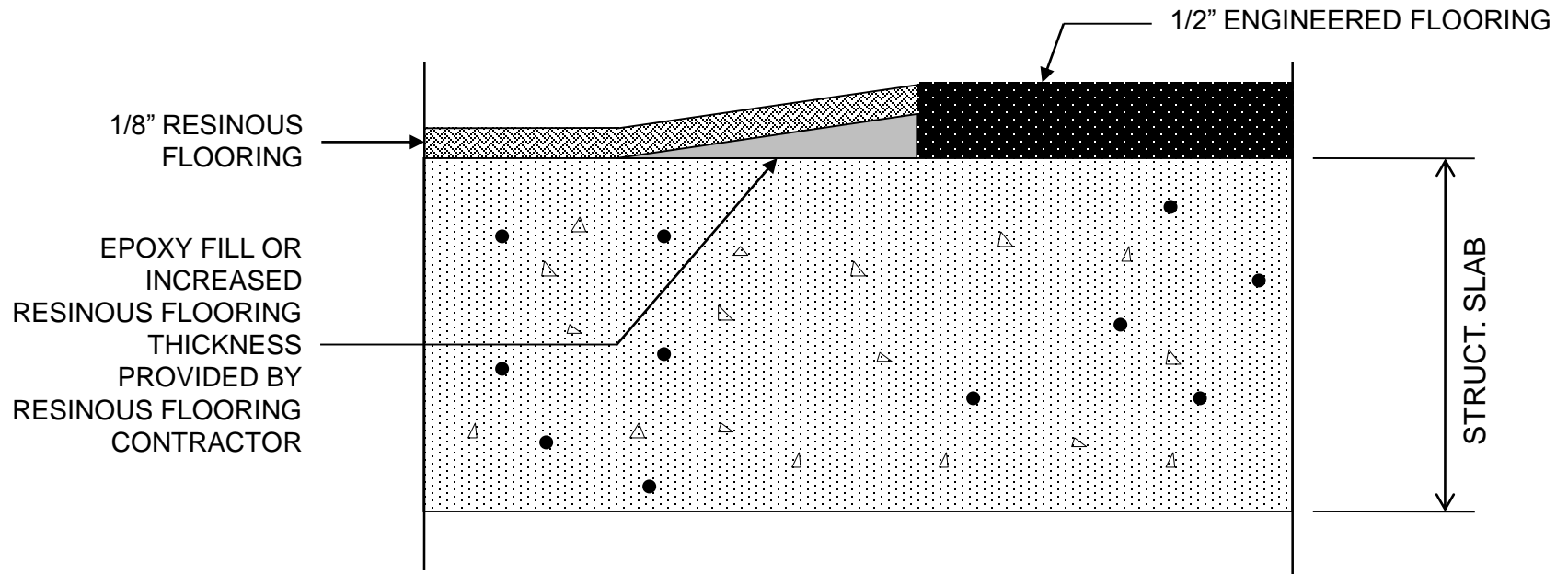
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DATE:
2/26/16

DETAIL: **FLANGED DRAIN WATERPROOFING**

FILE #: **KEY-DTL-45**

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NOTE: ENGINEERED FLOORING TO BE INSTALLED FIRST.
RESINOUS FLOORING TO FINISH AT PROPER ELEVATION.



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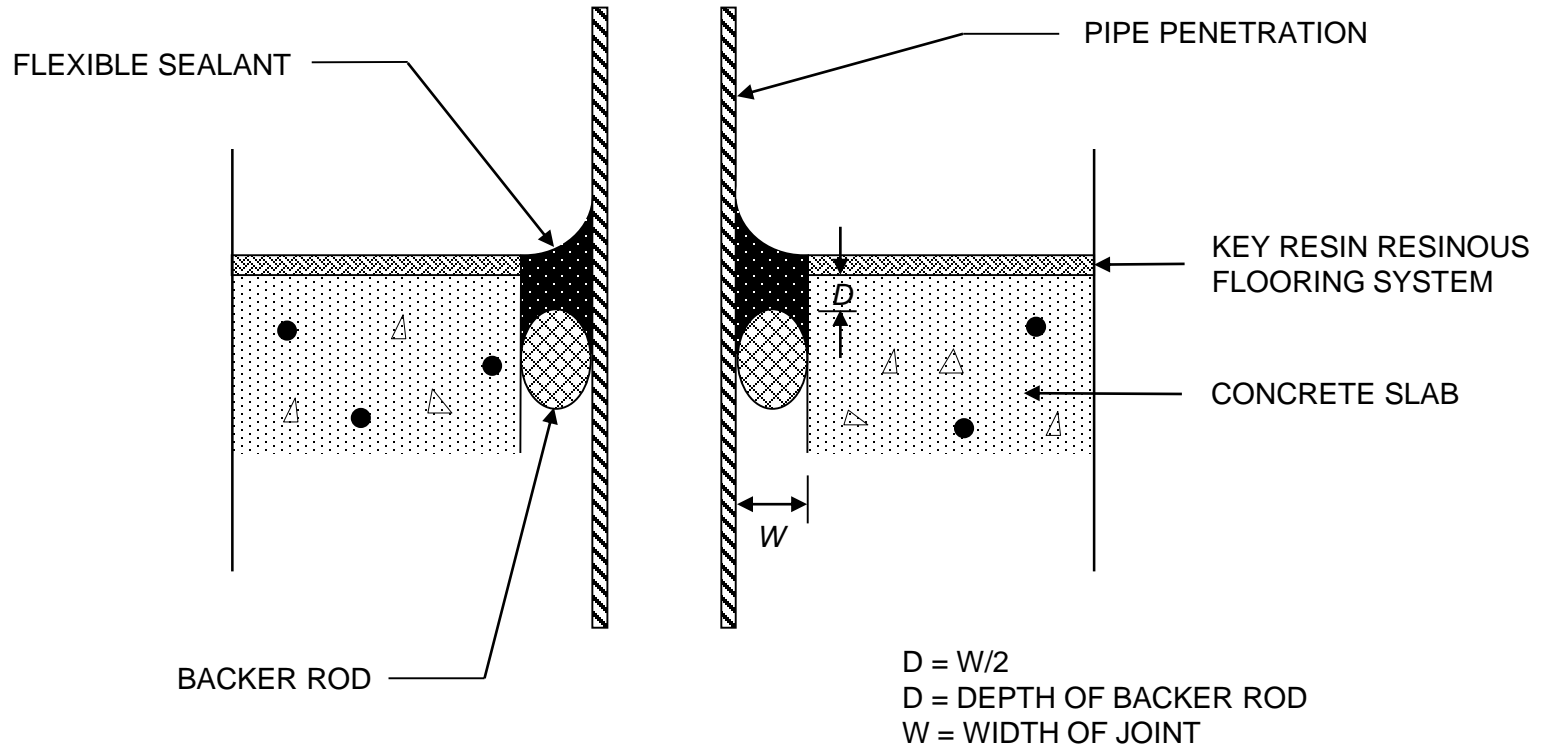
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DATE:
03/09/16

DETAIL: **RESINOUS FLOORING TERMINATION**

FILE #: **KEY-DTL-46**

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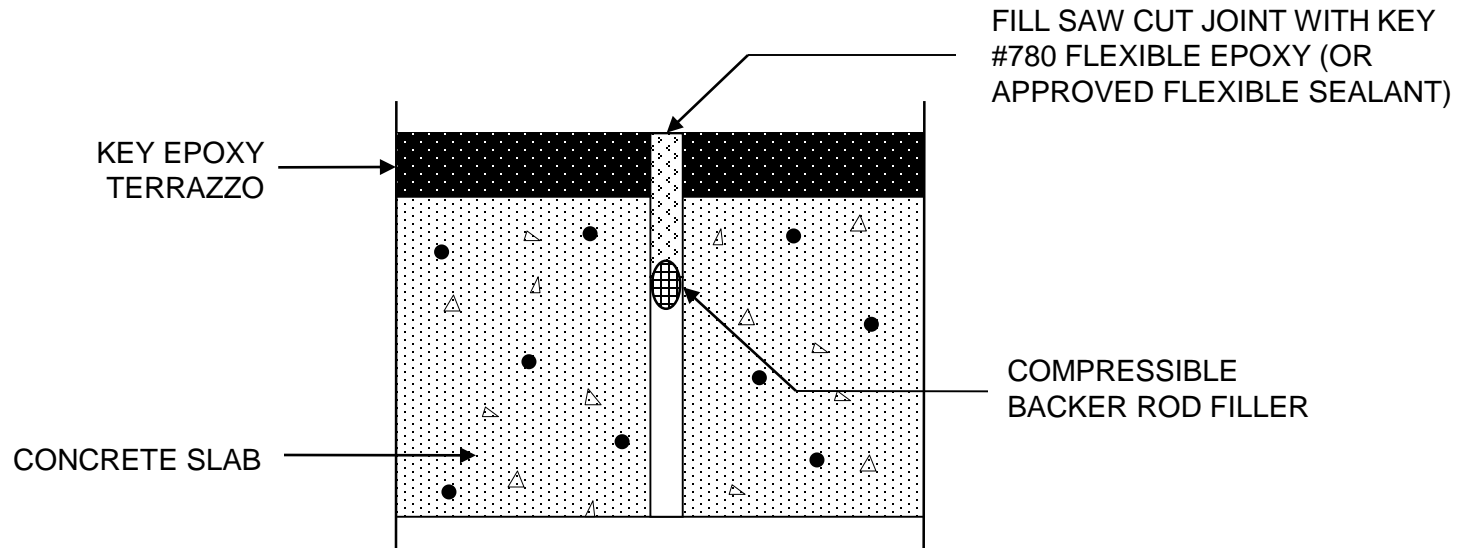
DATE:
04/07/16

DETAIL: **PIPE PENETRATION DETAIL #2**

FILE #: **KEY-DTL-47**

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STRIPLESS EXPANSION JOINT EPOXY TERRAZZO



NOTE: FOLLOWING CURE OF INSTALLED EPOXY TERRAZZO FLOOR, SAW CUT ALONG FLOOR EXPANSION JOINT TO RECEIVE FLEXIBLE EPOXY.



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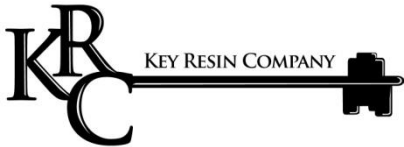
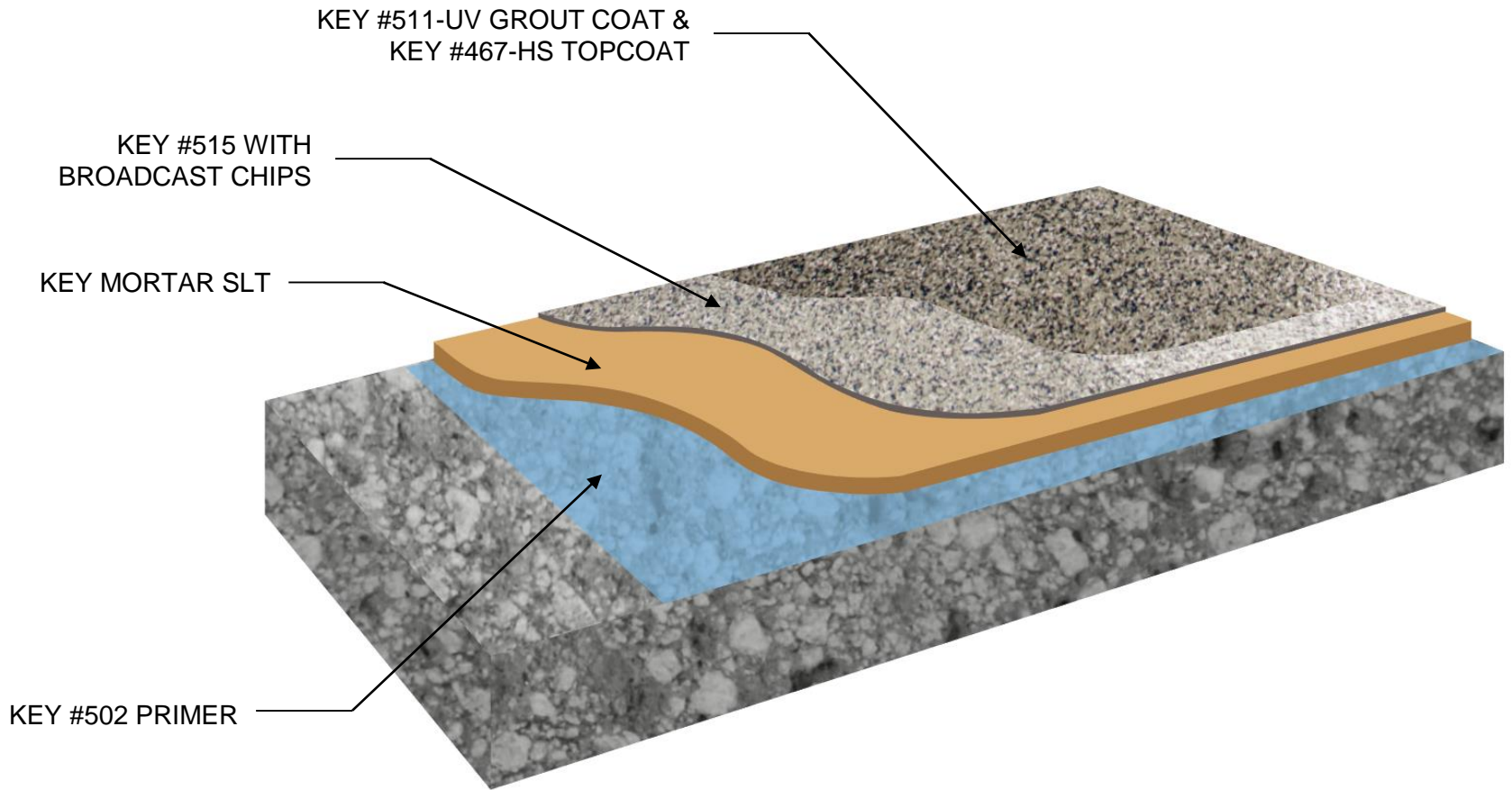
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DATE:
09/24/16

DETAIL: **STRIPLESS EXPANSION JOINT DETAIL**

FILE #: **KEY-DTL-48**

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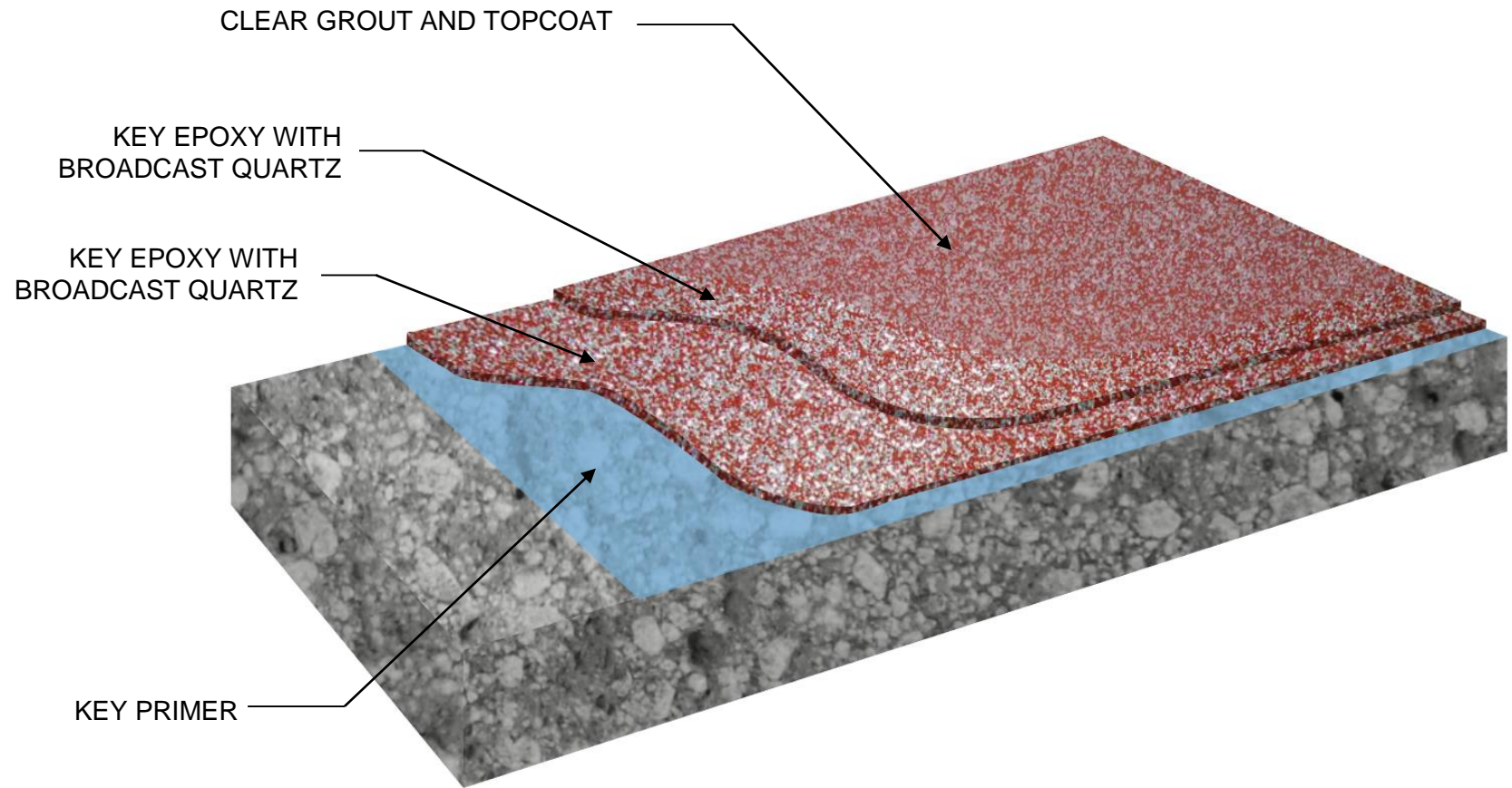
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DATE:
02/10/17

DETAIL: **KEY MORTAR CHIP-100 (3/16")**

FILE #: **KEY-DTL-49**

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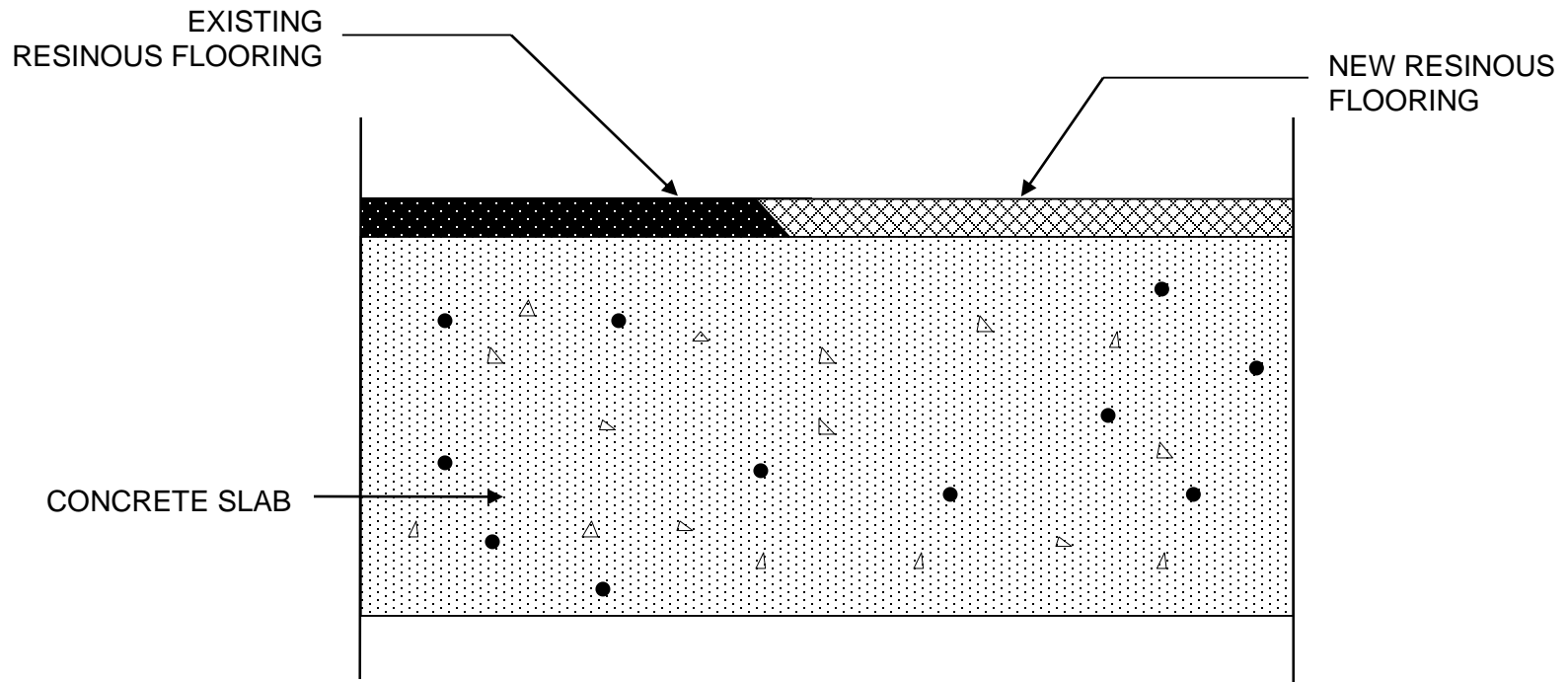
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DATE:
02/20/17

DETAIL: **KEY B-125 QUARTZ**

FILE #: **KEY-DTL-50**

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NOTE: GRIND EDGE OF EXISTING RESINOUS FLOOR TO CREATE A CLEAN BEVELED EDGE. INSTALL NEW RESINOUS FLOOR OVER EDGE OF EXISTING AND FINISH TO SAME ELEVATION.



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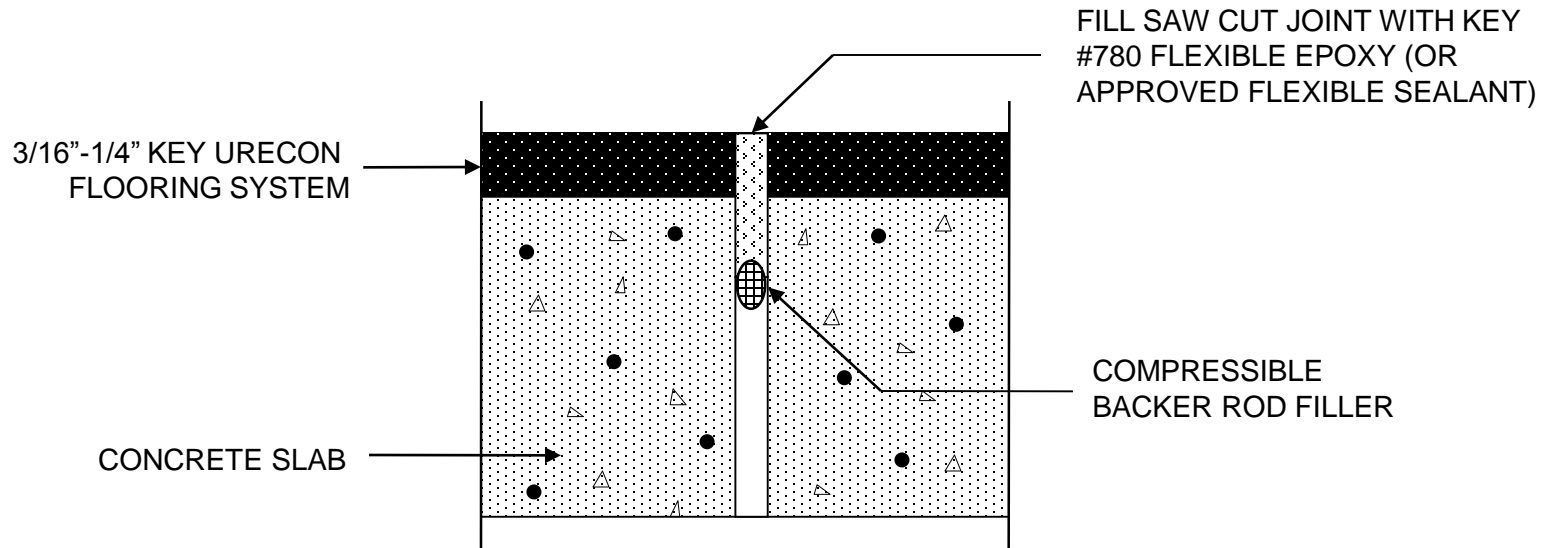
DATE:
04/24/17

DETAIL: **RESINOUS FLR/RESINOUS FLR TRANSITION**

FILE #: **KEY-DTL-51**

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STRIPLESS EXPANSION JOINT URETHANE CEMENT



NOTE: FOLLOWING CURE OF INSTALLED
URETHANE CEMENT FLOOR, SAW CUT
ALONG FLOOR EXPANSION JOINT TO
RECEIVE FLEXIBLE EPOXY.



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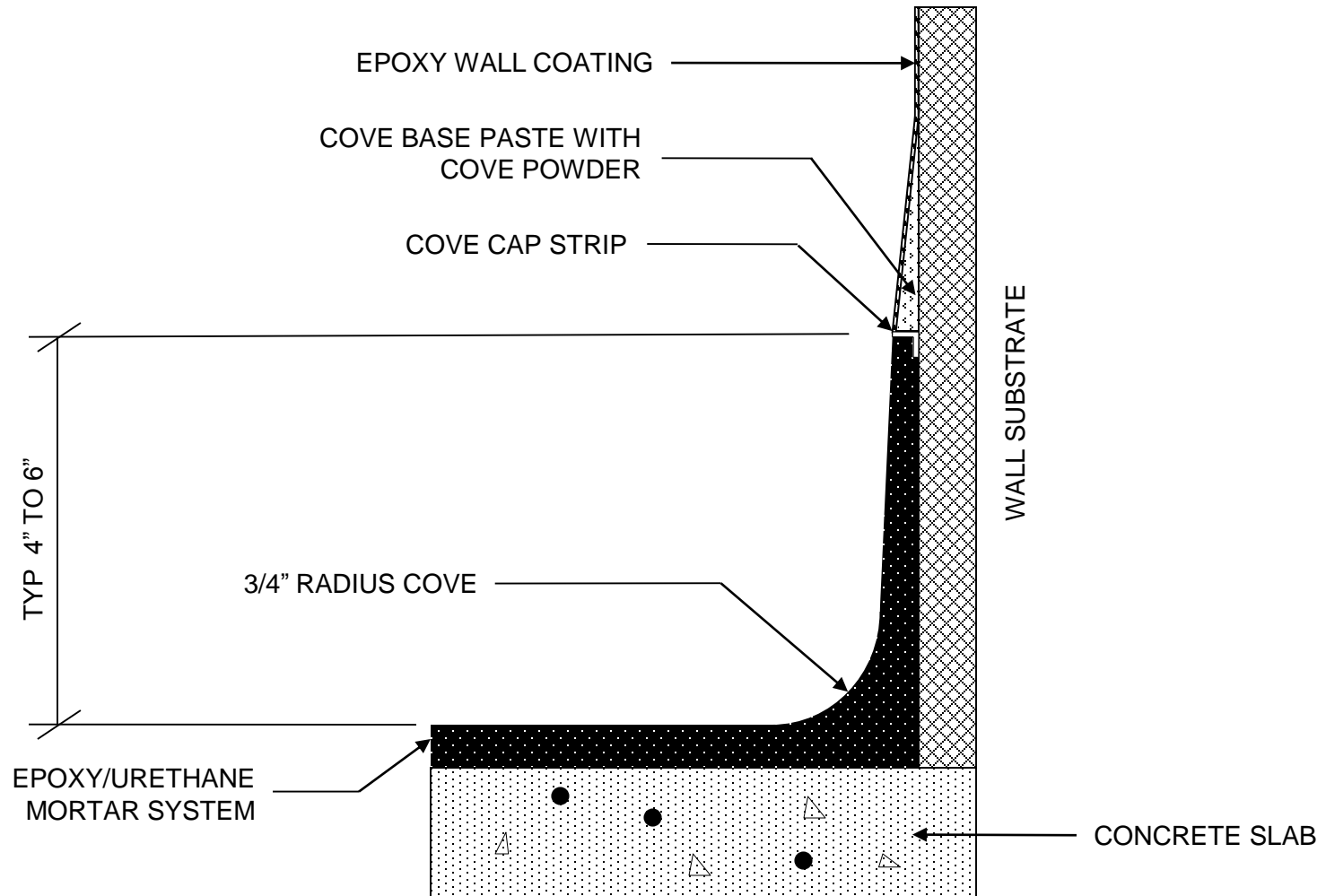
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DATE:
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DETAIL: **STRIPLESS EXPANSION JOINT DETAIL**

FILE #: **KEY-DTL-52**

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DATE:
06/15/17

DETAIL: **COVE BASE TRANSITION TO WALL SYS.**

FILE #: **KEY-DTL-54**