

TU2

SECTION / ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - END LAP

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	EFFECTIVE DATE: 10/10/2023
	SUPERCEDES: 03/01/2018

POLYGUARD POLYFLOW 15 / 15P SHEET-MOLDED DRAINAGE AND PROTECTION BOARD WITH FABRIC FACING SOIL / BACKFILL

POLYGUARD TERM FOUNDATION WATER / TERMITES BARRIER MEMBRANE APPLIED TO CLEAN, DRY, FROST-FREE, RAW CONCRETE PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 250 - 300 SF / GAL, OR OVER POLGUARD 650 WB LIQUID ADHESIVE APPLIED AT A RATE OF 350 - 400 SF / GAL

WATERSTOP (BY OTHERS)

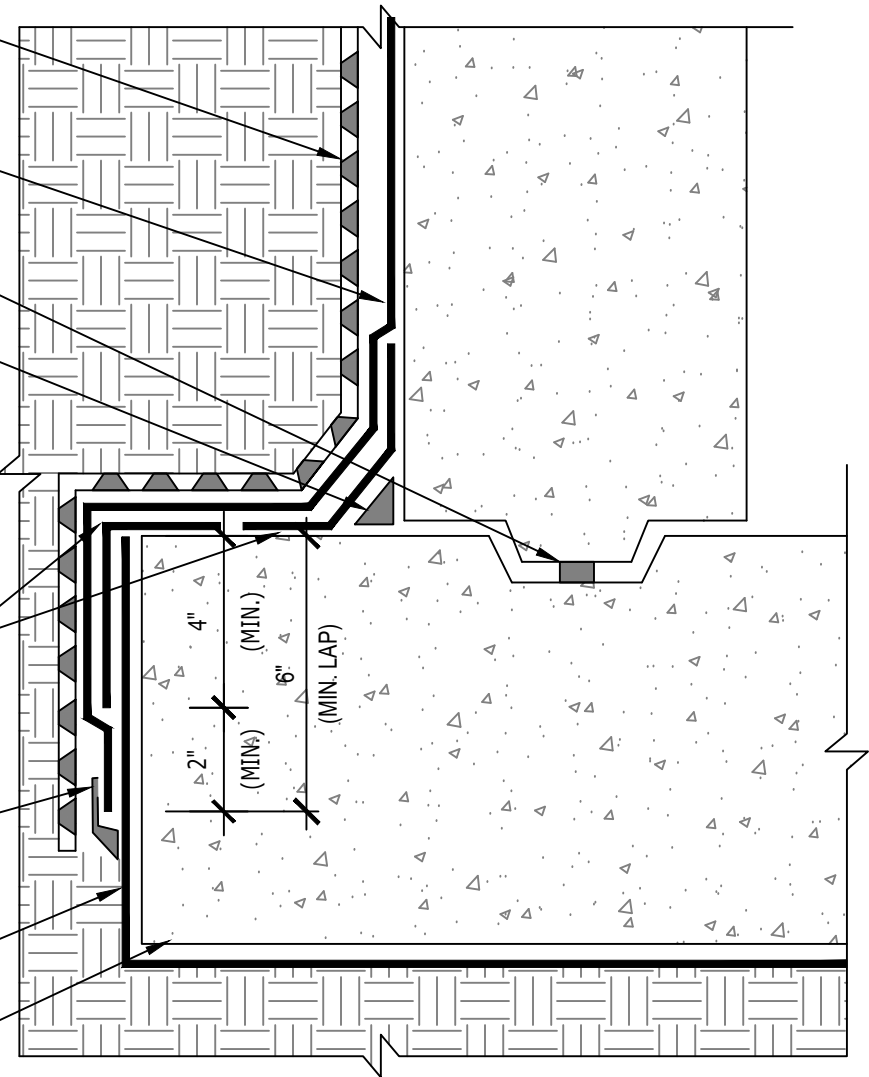
POLYGUARD DETAIL SEALANT PW OR LM-95 APPLIED AND TOOLED OVER CLEAN, DRY, FROST-FREE, RAW CONCRETE TO MINIMUM 3/4" FILLET / CANT

POLYGUARD TERM FOUNDATION WATER / TERMITES BARRIER MEMBRANE STRIP APPLIED TO CLEAN, DRY, FROST-FREE, RAW INSIDE AND OUTSIDE CONCRETE CORNERS PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE APPLIED AT A RATE OF 250 - 300 SF / GAL, OR OVER 650 WB LIQUID ADHESIVE APPLIED AT A RATE OF 350 - 400 SF / GAL; EXTEND MINIMUM 4" DOWN OVER TERM UNDERSLAB WATER / TERMITES BARRIER MEMBRANE

POLYGUARD DETAIL SEALANT PW, LM-95, OR TERM TERMITES SEALANT BARRIER APPLIED AND TOOLED TO MINIMUM 90 MILS OVER AND ALONG CLEAN AND DRY POLYGUARD TERM FOUNDATION WATER / TERMITES BARRIER MEMBRANE BOTTOM TERMINAL EDGE, EXTEND MINIMUM 1/2" TO EACH SIDE OF TERMINAL EDGE

POLYGUARD TERM UNDERSLAB WATER / TERMITES BARRIER MEMBRANE WITH FABRIC FACING CONCRETE SLAB POUR, PROVIDE EMBEDDED TOP TERMINATION

PROVIDE ONLY WOOD FORMS FOR CONCRETE FOOTER POSITION AND PLACEMENT, NO EARTH FORMS



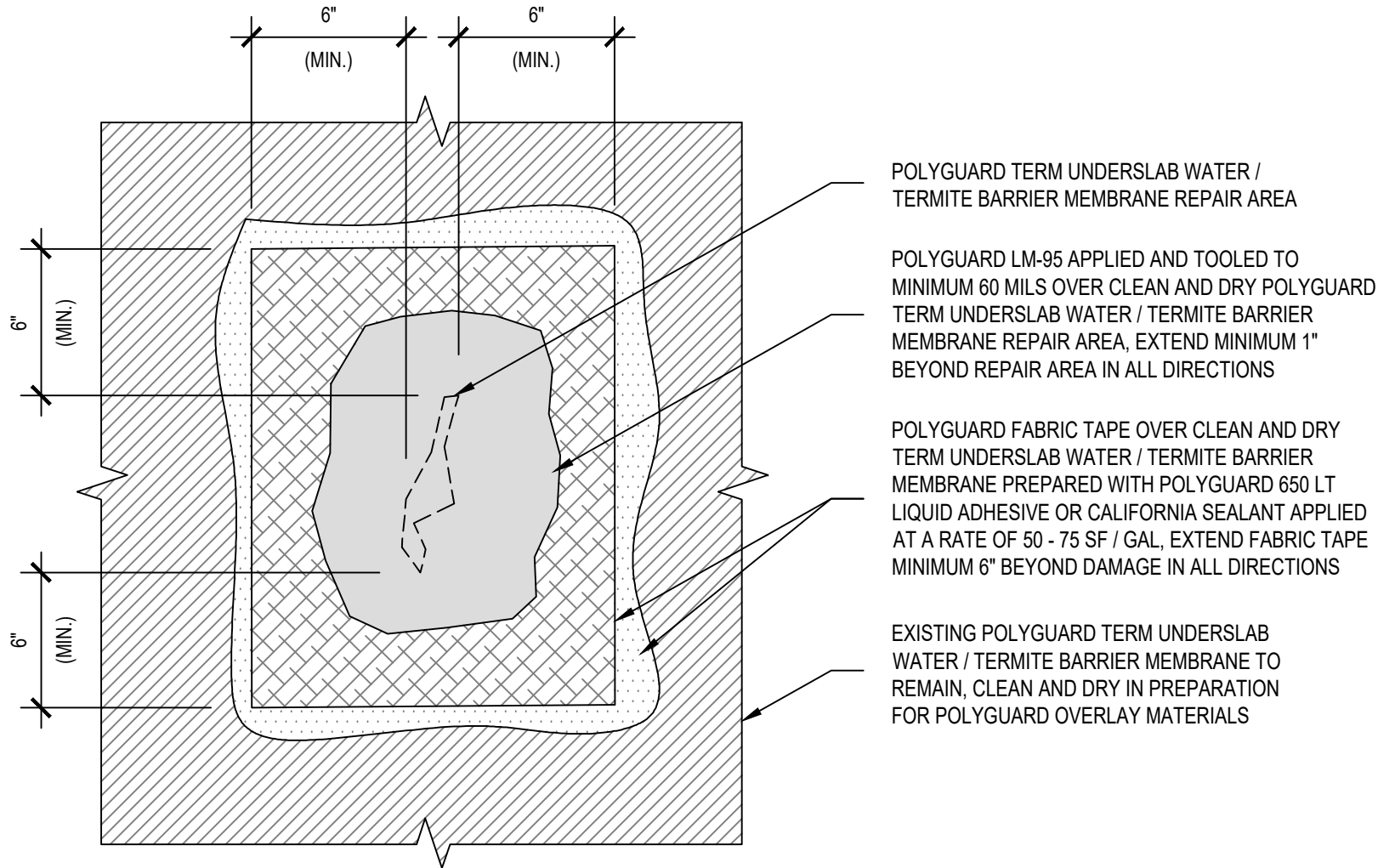
SECTION @ TERM UNDERSLAB WATER / TERMITES BARRIER MEMBRANE - TIE-IN TO TERM FOUNDATION WATER / TERMITES BARRIER MEMBRANE AT FOOTER

TU3

GENERAL NOTE: IF ADHESIVE IS REQUIRED FOR SEAMS OR END LAPS, DO NOT USE POLYGUARD 650 WB LIQUID ADHESIVE.

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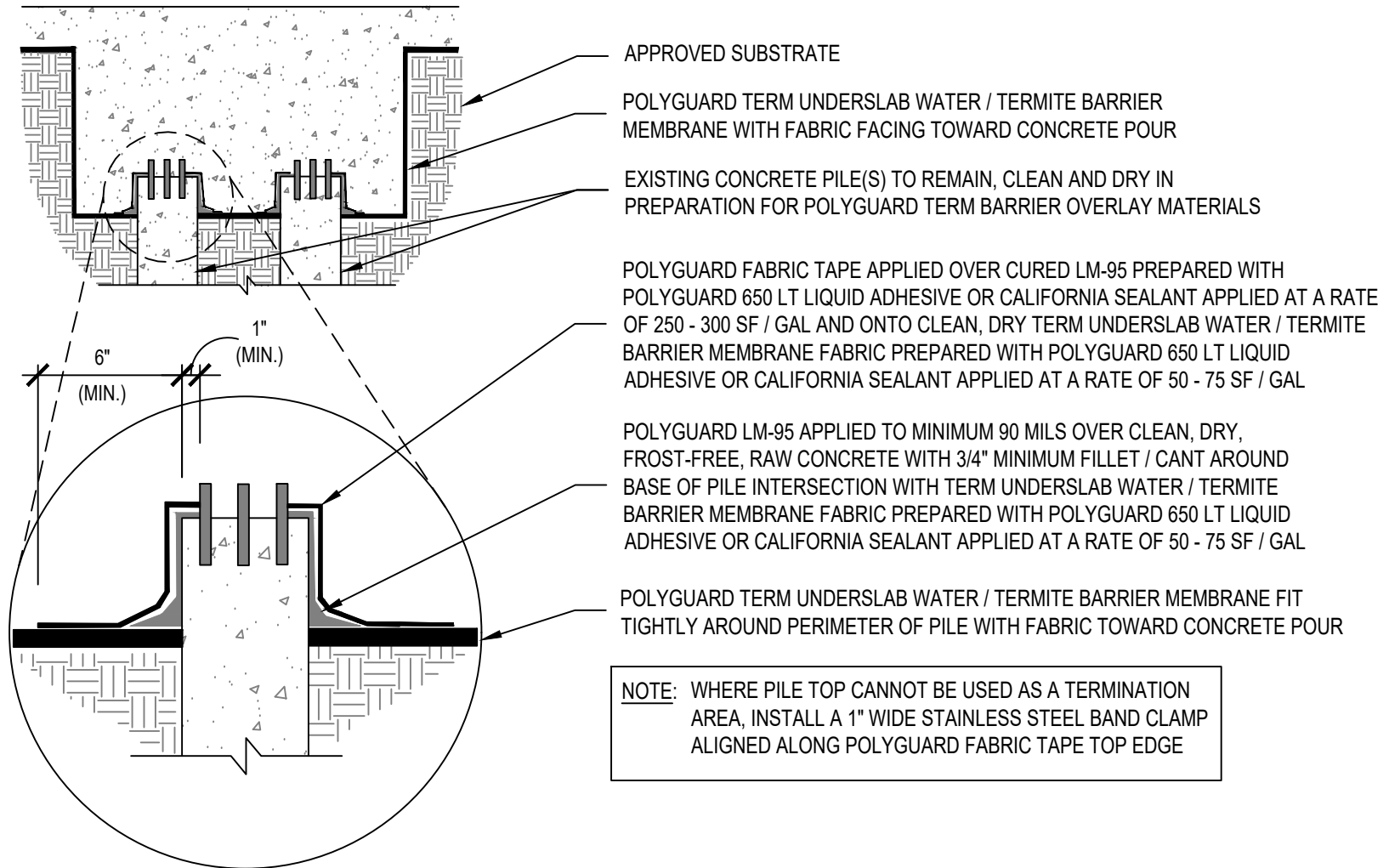
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TU4

ELEVATION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - REPAIR PATCH LESS THAN 2"

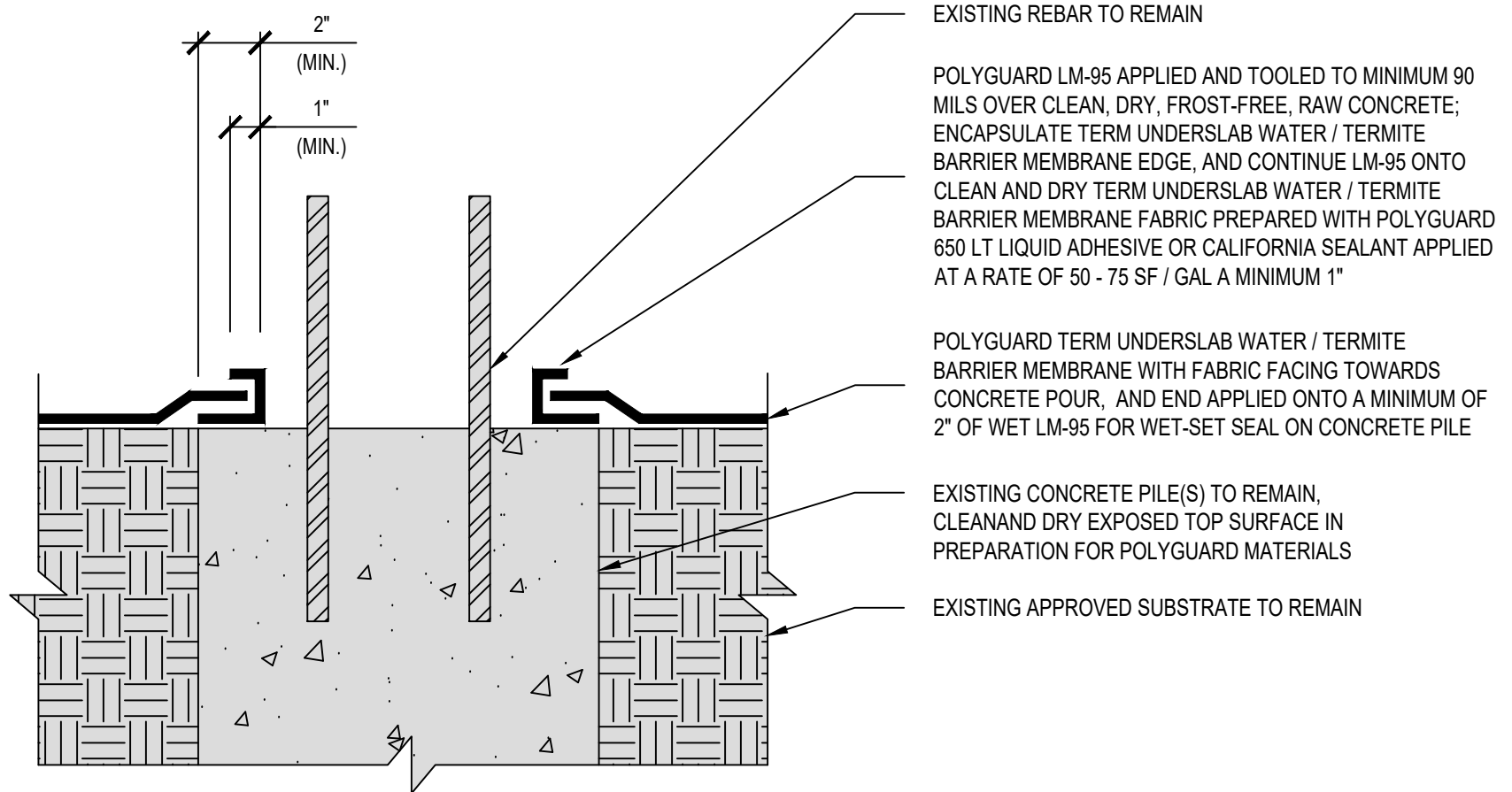
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NOTE: WHERE PILE TOP CANNOT BE USED AS A TERMINATION AREA, INSTALL A 1" WIDE STAINLESS STEEL BAND CLAMP ALIGNED ALONG POLYGUARD FABRIC TAPE TOP EDGE

TU5 SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - GRADE BEAM PILE CAP (PROFILE 1)

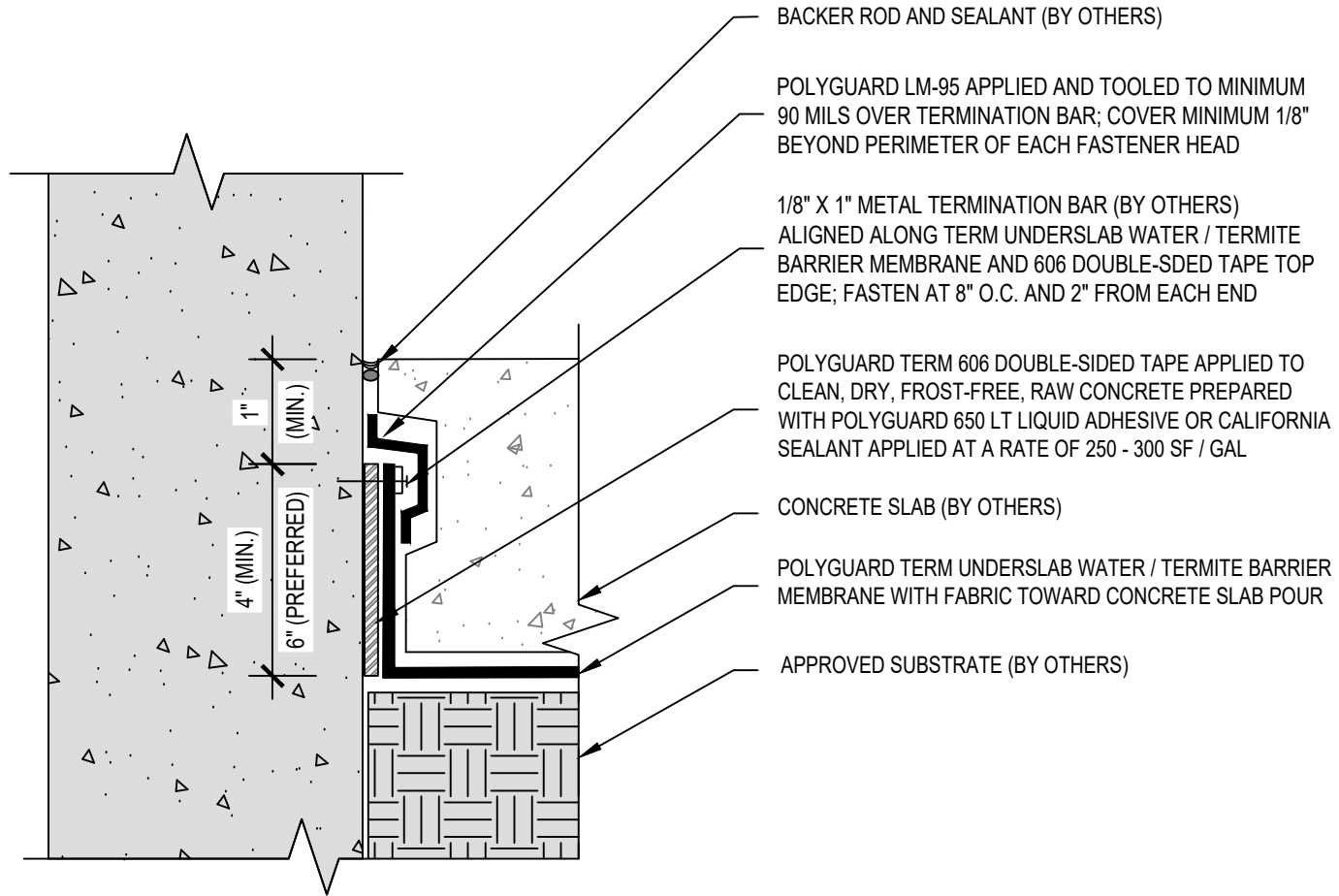
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TU6

SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - GRADE BEAM PILE CAP (PROFILE 2)

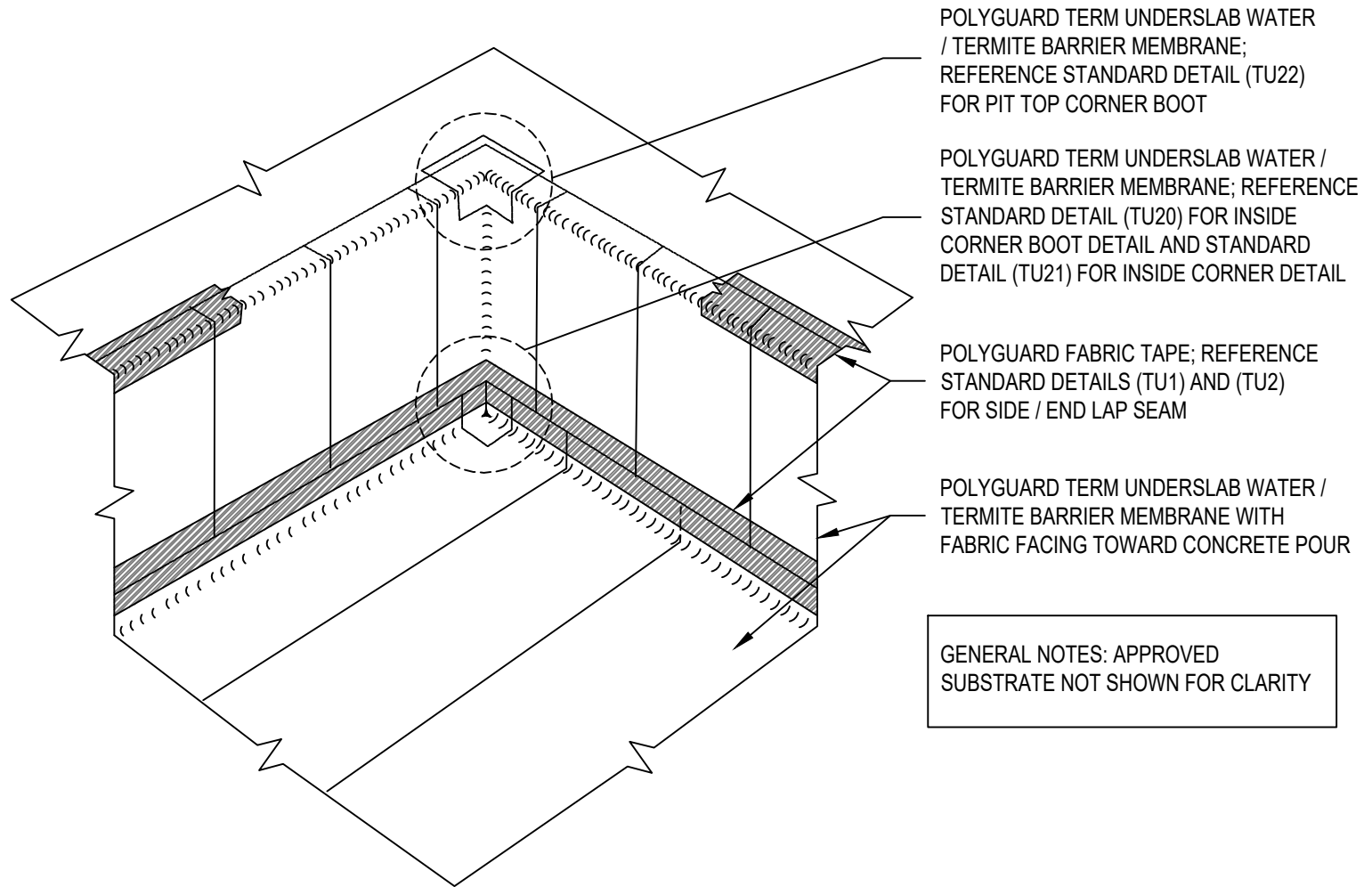
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SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE -
VERTICAL TERMINATION TO EXISTING CONCRETE FOUNDATION WALL

TU8

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GENERAL NOTES: APPROVED
SUBSTRATE NOT SHOWN FOR CLARITY

TU10 ISOMETRIC @ TERM UNDERSLAB WATER / TERMITES BARRIER MEMBRANE - SUMP OR ELEVATOR PIT

POLYGUARD POLYFLOW 15 OR 15P SHEET-MOLDED DRAIN WITH FABRIC FACING BACKFILL / SOIL

POLYGUARD TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE APPLIED TO CLEAN, DRY, FROST-FREE, RAW CONCRETE PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 250 - 300 SF / GAL, OR OVER 650 WB LIQUID ADHESIVE APPLIED AT A RATE OF 350 - 400 SF / GAL

POLYGUARD DETAIL SEALANT PW OR LM-95 APPLIED AND TOOLED ACROSS JOINT TO CONTINUOUS MINIMUM 90 MILS THICK; OR POLYGUARD DETAIL TAPE APPLIED TO CLEAN, DRY, FROST-FREE, RAW SUBSTRATE PREPARED WITH POLYGUARD 650 LT OR CALIFORNIA SEALANT APPLIED AT A RATE OF 250 - 300 SF / GAL, OR OVER 650 WB LIQUID ADHESIVE APPLIED AT A RATE OF 350 - 400 SF / GAL; EXTEND MINIMUM 2" TO EACH SIDE OF JOINT

POLYGUARD TOTALFLOW PERIMETER HIGH-CAPACITY, SHEET-MOLDED DRAINAGE WITH FABRIC FACING BACKFILL / SOIL

FASTENERS, MAXIMUM SPACING 1'-0" O.C. (BY OTHERS)

1/8" X 1" METAL TERMINATION BAR (BY OTHERS) ALIGNED ALONG TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE AND 606 DOUBLE-SIDED TAPE TOP EDGE

POLYGUARD LM-95 APPLIED AND TOOLED TO MINIMUM 90 MILS OVER CLEAN, DRY, FROST-FREE, RAW CONCRETE; TERMINATION BAR TOP EDGE; OVER EACH FASTENER HEAD; AND ONTO TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC MINIMUM 1" BELOW TERMINATION BAR PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL

POLYGUARD DETAIL SEALANT PW, LM-95, OR TERM TERMITE SEALANT BARRIER APPLIED AND TOOLED TO MINIMUM 90 MILS, EXTEND MINIMUM 1/2" TO EACH SIDE OF TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE BOTTOM TERMINAL EDGE AS EDGE SEAL

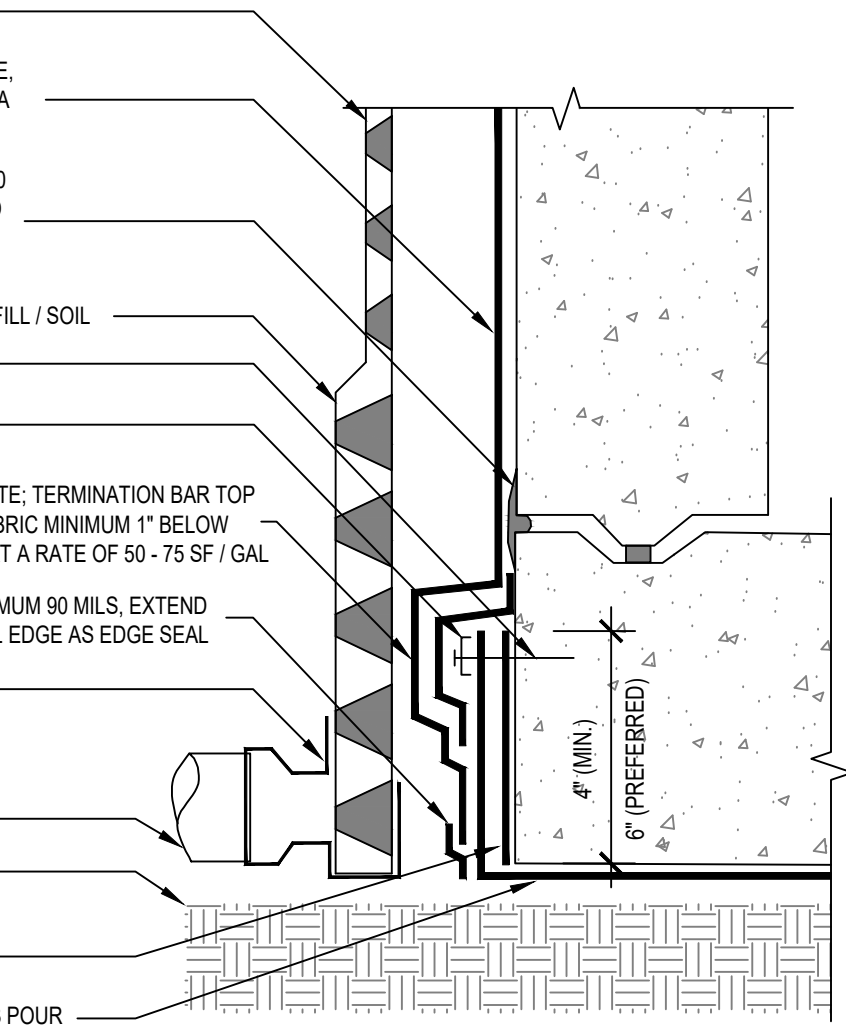
POLYGUARD TOTALFLOW END OUTLET & TEE OUTLET PIPE FITTINGS AVAILABLE (TEE OUTLET SHOWN)

DRAIN PIPE (BY OTHERS)

APPROVED SUBSTRATE

POLYGUARD 606 TAPE APPLIED TO CLEAN, DRY, FROST-FREE, RAW CONCRETE PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 250 - 300 SF / GAL

POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE WITH FABRIC FACING CONCRETE SLAB POUR



**SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE -
TIE-IN TO TERM FOUNDATION WATER / TERMITE BARRIER AT FOOTER (PROFILE #1)**

TU11

Polyguard Products, Inc.
P.O. Box 755 - Ennis, TX 75120
Phone: 214-515-5000
Web Site - www.polyguard.com

GENERAL NOTE: IF ADHESIVE IS REQUIRED FOR SEAMS OR END LAPS, DO NOT USE POLYGUARD 650 WB LIQUID ADHESIVE.

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POLYGUARD POLYFLOW 15 OR 15P SHEET-MOLDED DRAIN WITH FABRIC FACING BACKFILL / SOIL

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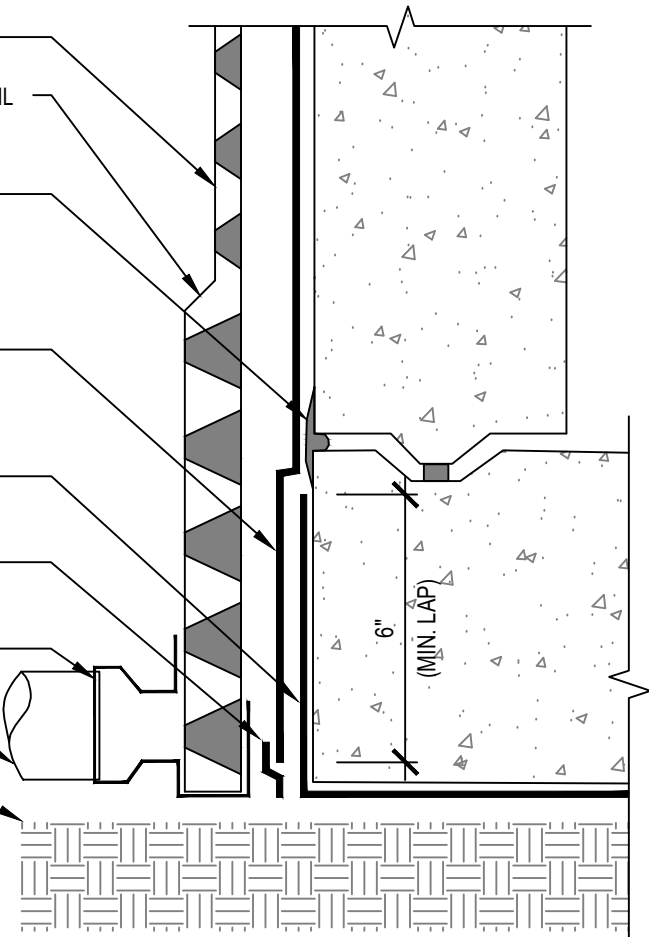
POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE WITH FABRIC FACING CONCRETE SLAB POUR; PROVIDE EMBEDDED TOP TERMINAL EDGE

POLYGUARD DETAIL SEALANT PW, LM-95, OR TERM TERMITE SEALANT BARRIER APPLIED AND TOOLED TO MINIMUM 90 MILS, EXTEND MINIMUM 1/2" TO EACH SIDE OF TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE BOTTOM TERMINAL EDGE AS EDGE SEAL

POLYGUARD TOTALFLOW END OUTLET & TEE OUTLET PIPE FITTINGS AVAILABLE (TEE OUTLET SHOWN)

DRAIN PIPE (BY OTHERS)

APPROVED SUBSTRATE



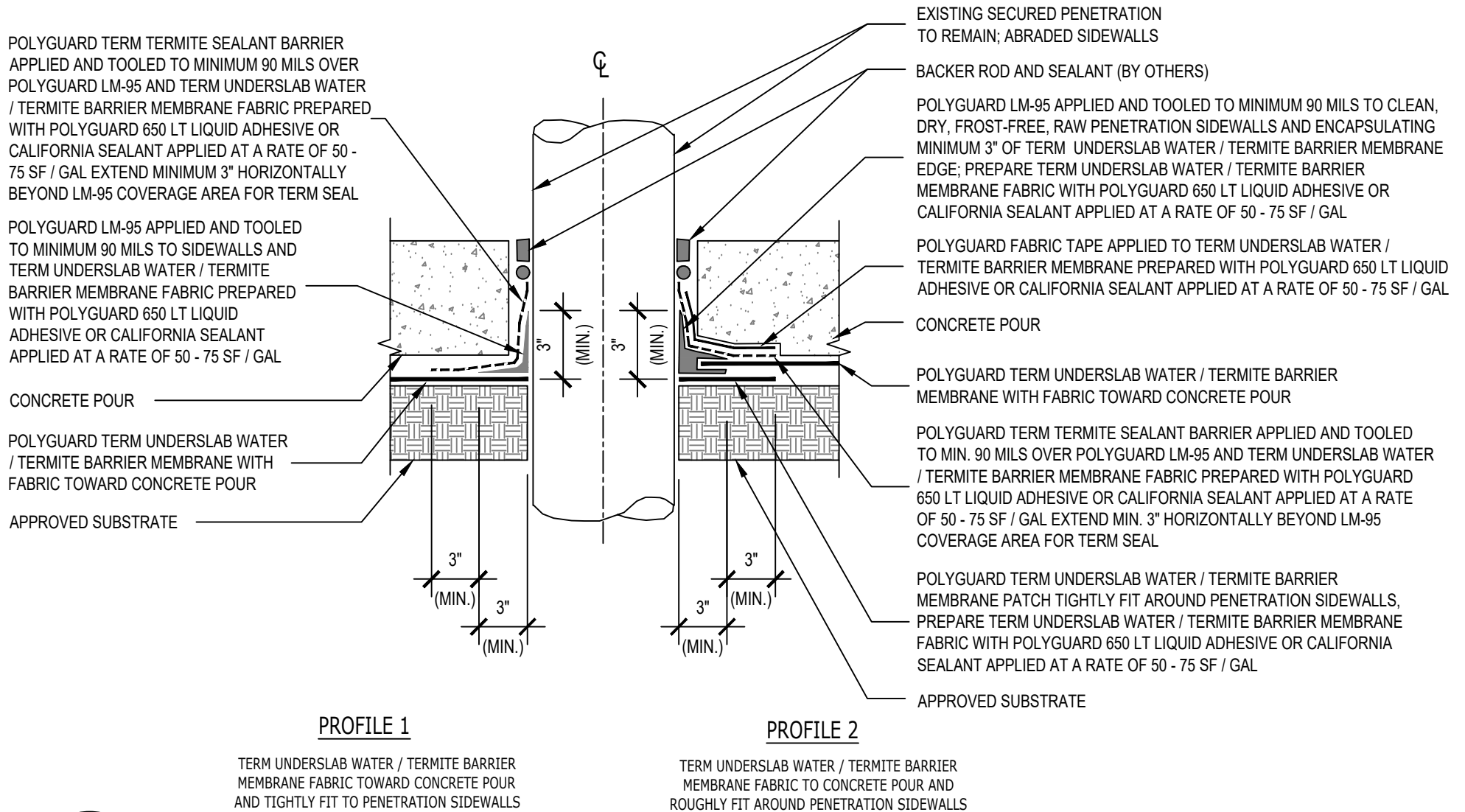
**SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE -
TIE-IN TO TERM FOUNDATION WATER / TERMITE BARRIER AT FOOTER (PROFILE #2)**

TU12

GENERAL NOTE: IF ADHESIVE IS REQUIRED FOR SEAMS OR END LAPS, DO NOT USE POLYGUARD 650 WB LIQUID ADHESIVE.

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PROFILE 1

TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC TOWARD CONCRETE POUR AND TIGHTLY FIT TO PENETRATION SIDEWALLS

PROFILE 2

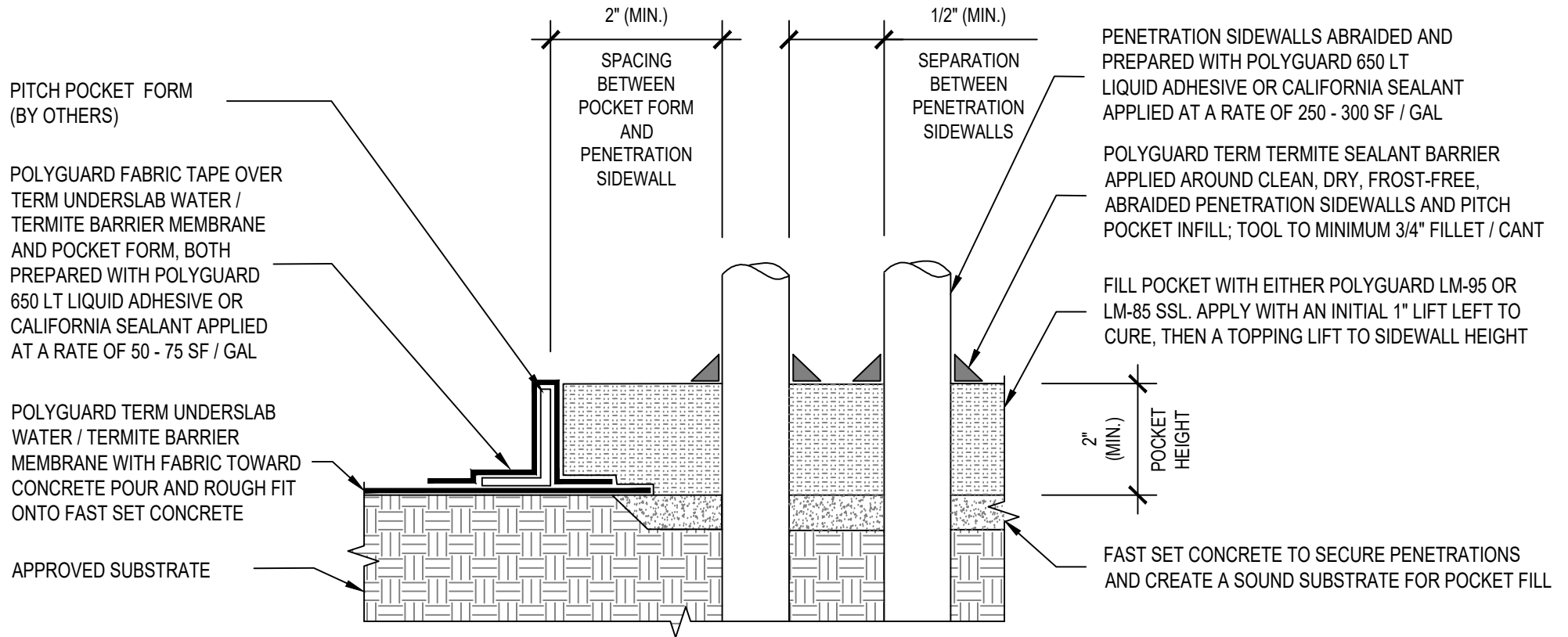
TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC TO CONCRETE POUR AND ROUGHLY FIT AROUND PENETRATION SIDEWALLS

TU13

SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - PIPE PENETRATION

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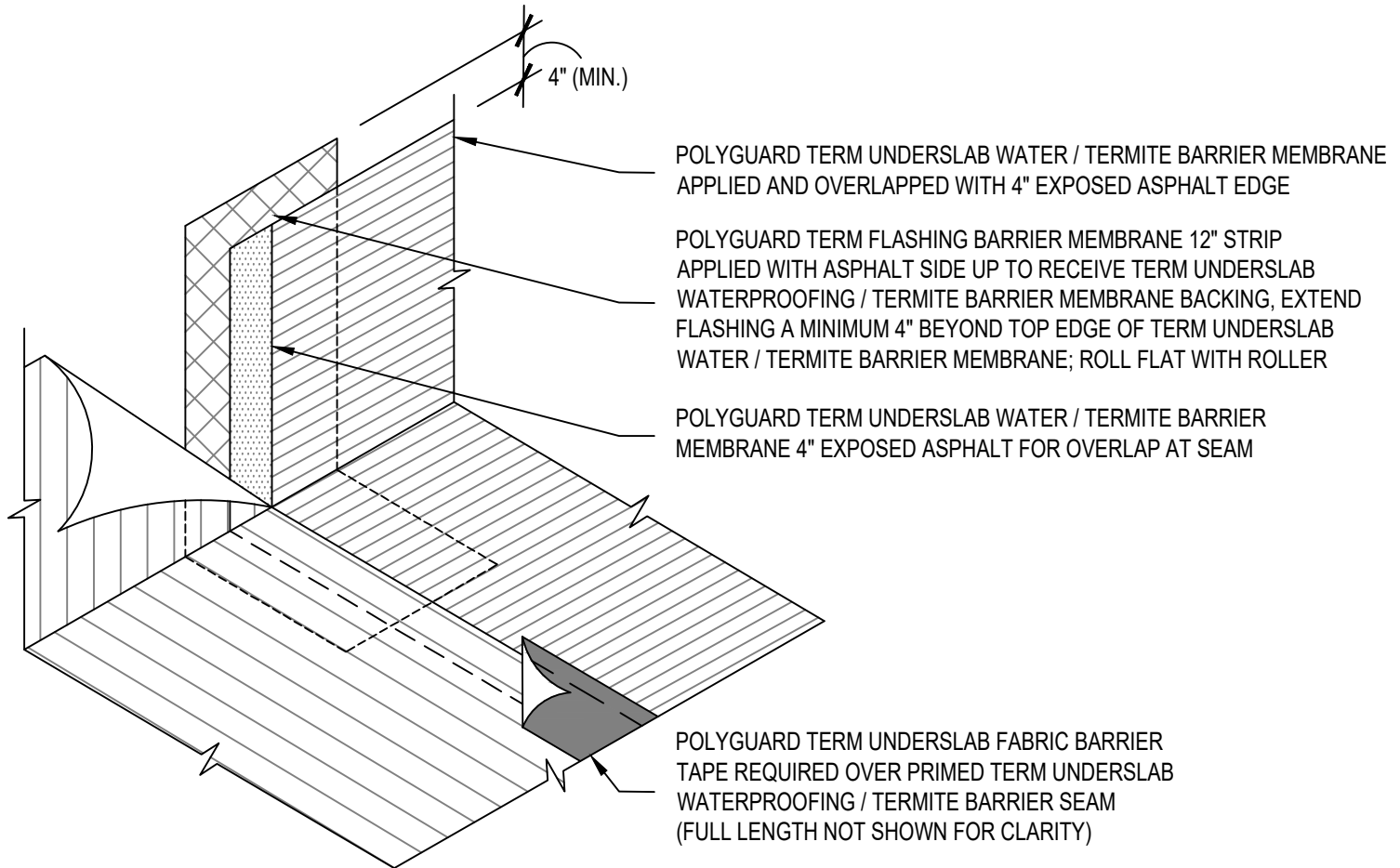
TU14

SECTION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - HORIZONTAL PITCH POCKET

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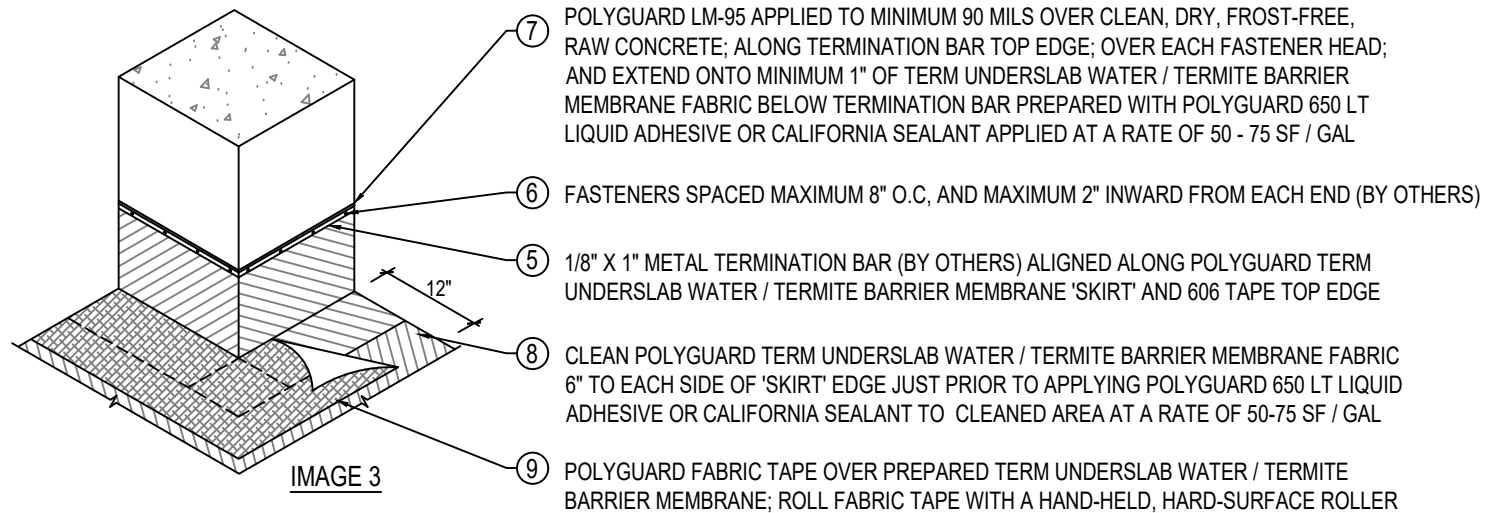
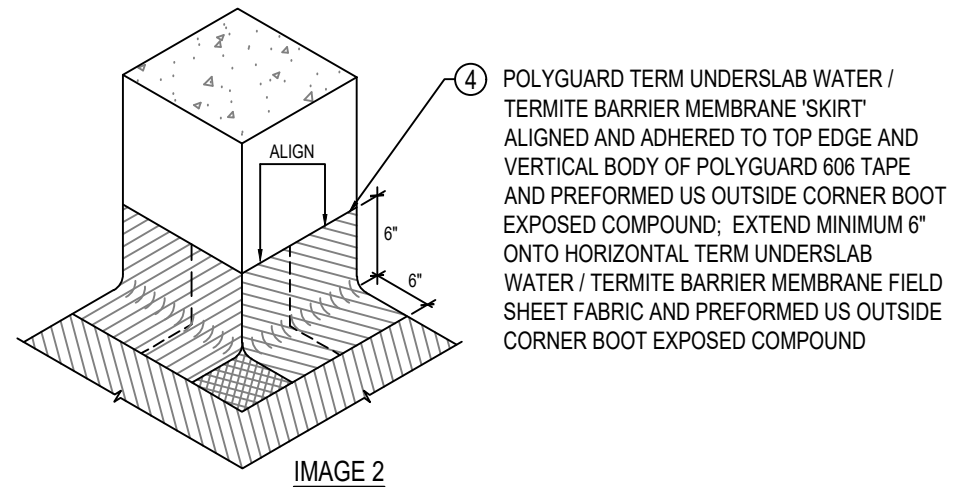
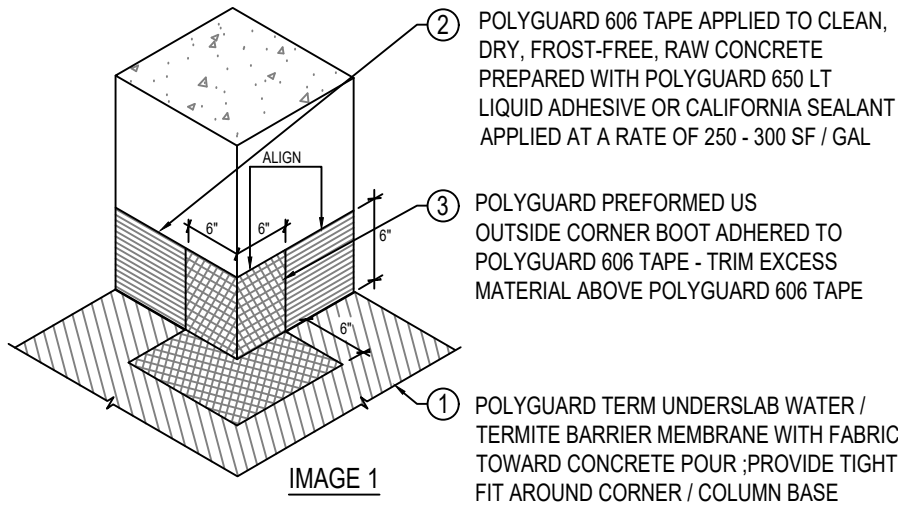


TU15

ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - HORIZONTAL-TO-VERTICAL SEAM

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TU17

ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - PREFORMED OUTSIDE CORNER AT COLUMN

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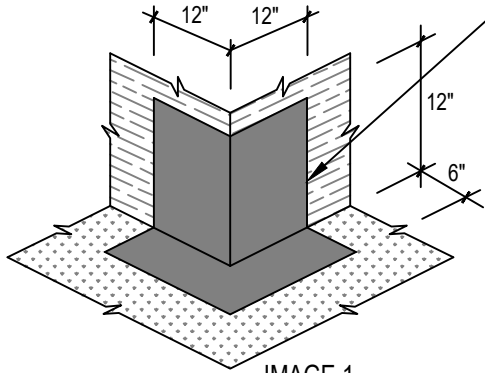


IMAGE 1

STEP 1: PLACE OUTSIDE CORNER BOOT (REFER TO DETAIL 19) ONTO CONCRETE FORM ASPHALT SIDE OUT - KEEP CLEAN FOR ADHESION OF POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FIELD-APPLIED CORNER PIECES

STEP 2: PLACE FIRST LEG OF POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE VERTICALLY ON FORM, OVER VERTICAL LEG OF CLEAN OUTSIDE CORNER BOOT EXPOSED ASPHALT, AND CUT VERTICALLY IN CORNER LAYING MINIMUM 12" HORIZONTAL FLAP AROUND CORNER ONTO CLEAN OUTSIDE CORNER BOOT EXPOSED ASPHALT

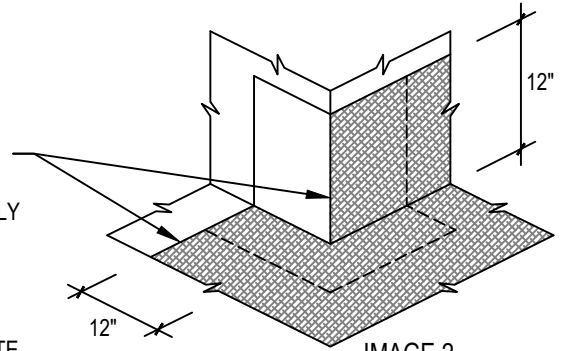


IMAGE 2

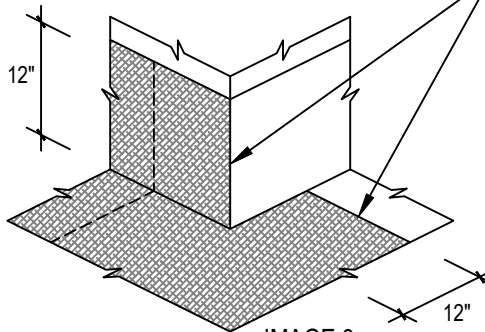


IMAGE 3

STEP 3: PLACE SECOND LEG OF POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE VERTICALLY ON FORM, OVER VERTICAL LEG OF CLEAN OUTSIDE CORNER BOOT EXPOSED ASPHALT, AND CUT VERTICALLY IN CORNER LAYING MINIMUM 12" HORIZONTAL FLAP AROUND CORNER ONTO FIRST LEG OF TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE

STEP 4: APPLY LM-95 OVER VERTICAL CUTS AT CORNER AND ONTO POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE A MINIMUM 2" IN ALL DIRECTIONS; PREPARE TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL

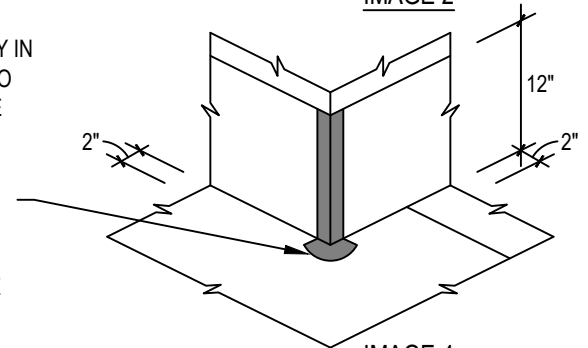


IMAGE 4

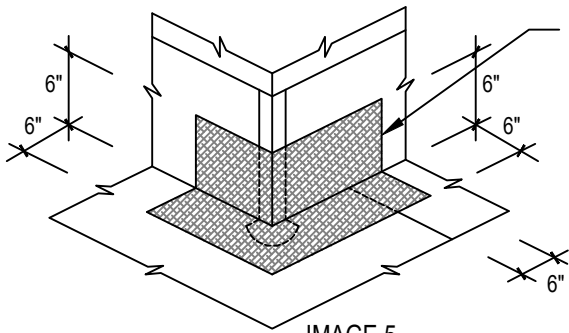


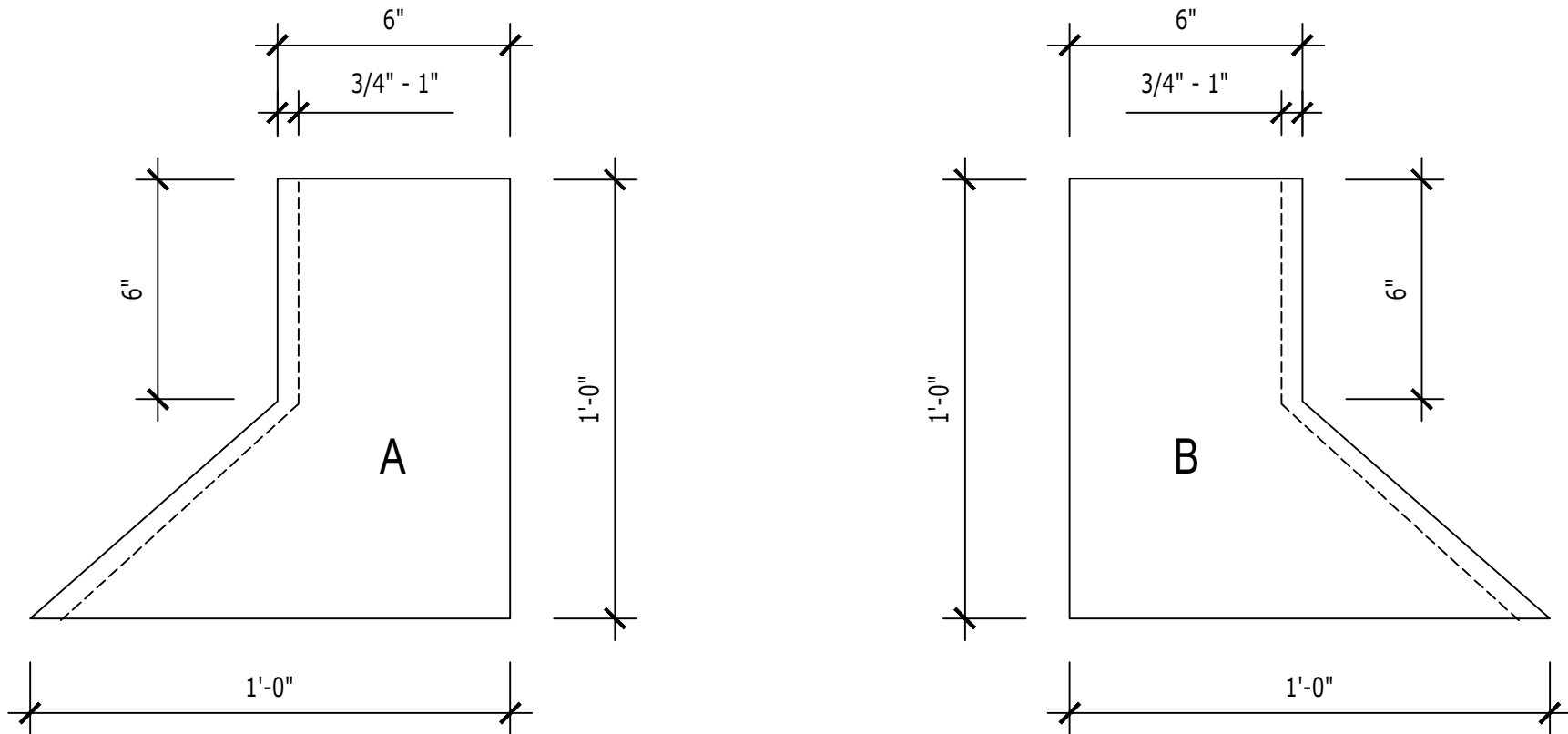
IMAGE 5

STEP 5: APPLY POLYGUARD FABRIC TAPE TO OUTSIDE CORNER AND OVER CURED LM-95; EXTEND MINIMUM 6" BEYOND TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE CUT OF SECOND PIECE WITH FABRIC PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL

TU18

ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - OUTSIDE CORNER (FIELD CUT)

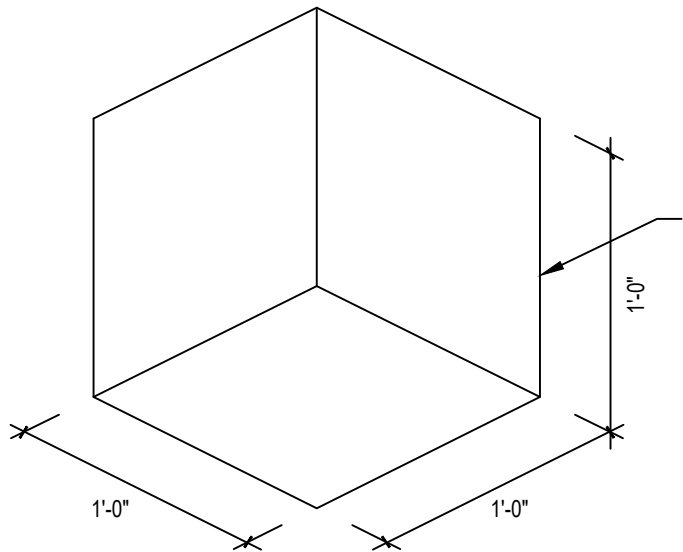
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1. CUT 2 - 1'-0" X 1'-0" PIECES OF POLYGUARD TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE
2. PIECES (A) & (B) CUT TO DIMENSIONS ABOVE AND MIRROR IMAGE
3. SCORE 3/4" - 1" RELEASE FILM AT ANGLED EDGE - REMOVE FILM
4. ADHERE PIECE (A) AND (B) AT EXPOSED 3/4" COMPOUND - ROLL TIGHT

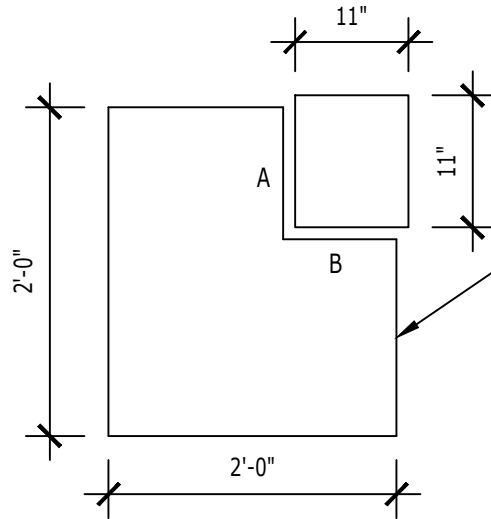
TU19

ELEVATION @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - FIELD-MADE OUTSIDE CORNER BOOT



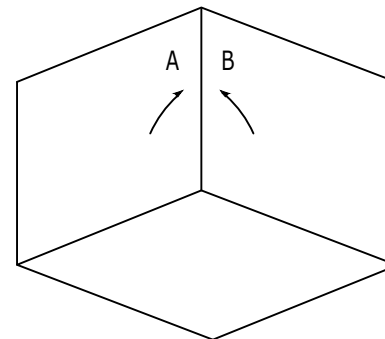
POLYGUARD UNDERSEAL (US) PREFORMED INSIDE CORNER BOOT (12 X 12 X 12) INTO CORNER WITH POLYETHYLENE SIDE INTERFACING WITH CONCRETE FORM OR WALL

OPTION 1: POLYGUARD UNDERSEAL (US) PREFORMED INSIDE CORNER BOOT



24 X 24 PIECE OF POLYGUARD TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE; CUT AND REMOVE 11" X 11" SQUARE FROM ONE CORNER USING CORNER AS STARTING POINT FOR CUT DIMENSIONS AND CONTINUE ALONG AN EDGE A DISTANCE EQUAL TO HEIGHT OF VERTICAL LEG OF INSIDE CORNER BOOT. CUT INWARD FROM EDGE TO THIS DISTANCE AND DISCARD OFF WALL PIECE.

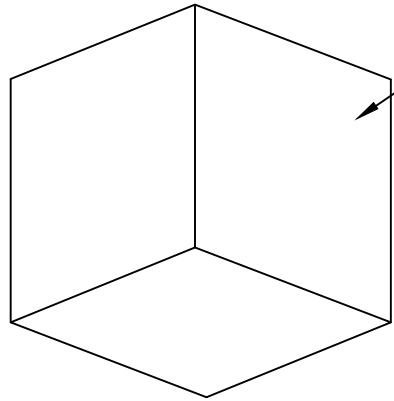
OPTION 2: FIELD-FORMED POLYGUARD (IMAGE #1) INSIDE CORNER BOOT



REMOVE 1" OF POLYGUARD TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE FILM SO (A) AND (B) EDGES MEET IN VERTICAL LEG OF BOOT; ROLL VERTICAL SEAM WITH A ROLLER AND UNFOLD TO CREATE INSIDE CORNER BOOT

OPTION 2: FIELD-FORMED POLYGUARD (IMAGE #2) INSIDE CORNER BOOT

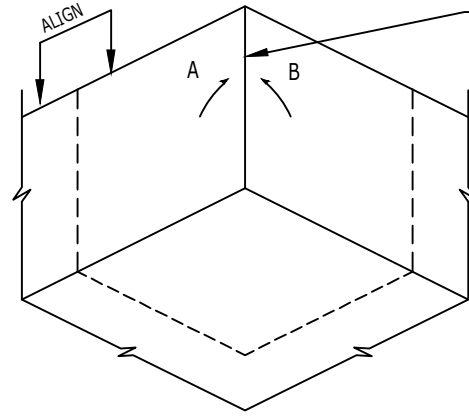
TU20 ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - OUTSIDE CORNER BOOT (OPTIONS)



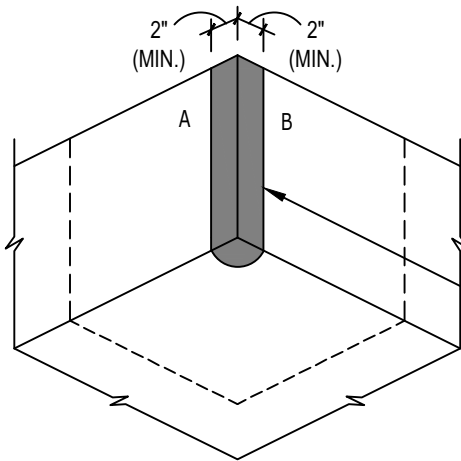
STEP 1 PRIORITY

POLYGUARD UNDERSEAL (US) PREFORMED INSIDE CORNER BOOT (12 X 12 X 12) INTO CORNER WITH POLYETHYLENE SIDE INTERFACING WITH CONCRETE FORM OR WALL. REFERENCE POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE INSIDE CORNER BOOT STANDARD DETAIL (TU20) PRIOR TO STARTING THIS INSIDE CORNER DETAIL.

GENERAL NOTE:
PURCHASE POLYGUARD US PREFORMED INSIDE CORNER BOOT, OR FIELD FABRICATE USING POLYGUARD TERM FOUNDATION WATER / TERMITE BARRIER MEMBRANE BOOT STANDARD DETAIL (TU20) FOR POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE INSIDE CORNER - THIS STEP IS A CRITICAL STEP THAT MUST BE DONE PRIOR TO PLACING POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - OMITTING THIS STEP VOIDS WARRANTY

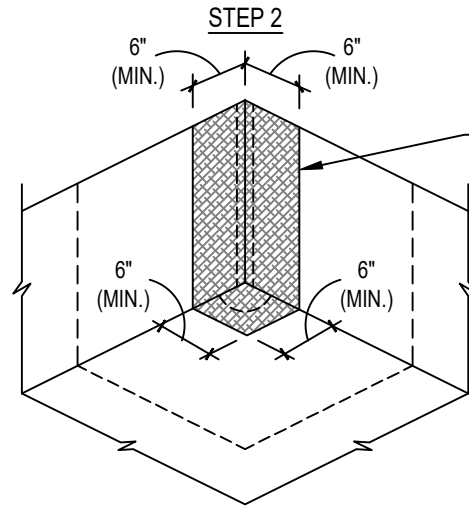


POSITION CUT POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE INTO CORNER AND OVER POLYGUARD INSIDE CORNER BOOT SO (A) AND (B) EDGES MEET IN VERTICAL LEG OF BOOT; FORM-FIT PIECE TO CORNER CONTOURS. CREASE POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE TO ESTABLISH A CONFORMING SHAPE. AFTER CREAMING, FOLD PIECE BACK, REMOVE RELEASE PAPER FROM INSIDE CORNER BOOT HORIZONTAL LEG, THEN OVERLAY AND PRESS TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE HORIZONTAL LEG INTO BOOT; REPEAT FOR EACH VERTICAL LEG.



STEP 3

PREPARE POLYGUARD UNDERSLAB TERM WATER / TERMITE BARRIER MEMBRANE FABRIC ALONG (A) AND (B) EDGES WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL PRIOR TO SEALING (A) AND (B) EDGES AND BOTTOM CORNER WITH POLYGUARD LM-95 APPLIED AND TOOLED TO MINIMUM 90 MILS BY 2" WIDE APPLICATION ONTO EACH LEG AND JOINED AT INTERSECTING PLANES.

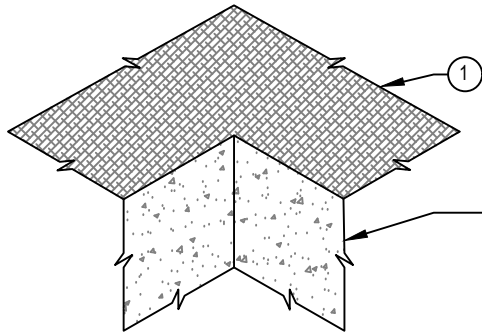


STEP 4

POLYGUARD FABRIC TAPE APPLIED TIGHTLY OVER CURED POLYGUARD LM-95 AND POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL

TU21

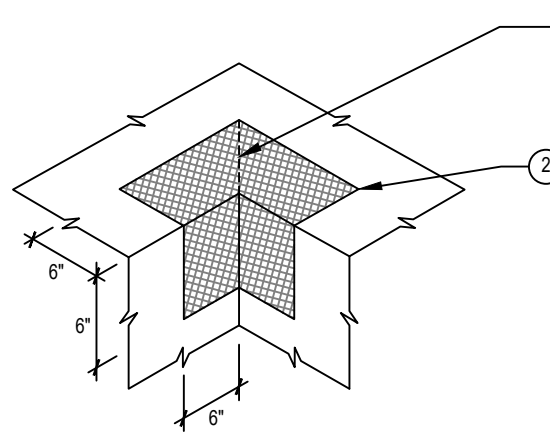
ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - INSIDE CORNER (STEPS)



1 ROUGHLY FIT POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE AROUND TOP OF PIT WALLS

PIT WALL SUBSTRATE (POLYGUARD POLYFLOW 15, SLURRY WALL, ETC.)

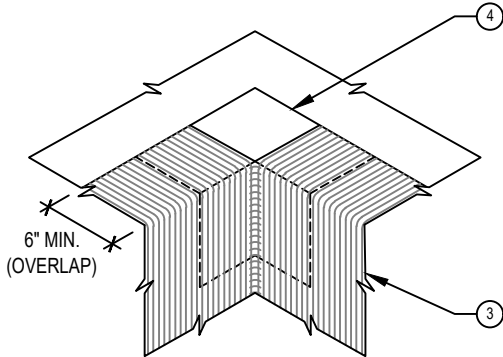
IMAGE 1



FACTORY RELEASE SHEET SEAM

2 POLYGUARD US PIT TOP CORNER BOOT APPLIED WITH HDPE SIDE INTERFACING HORIZONTAL POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE FABRIC

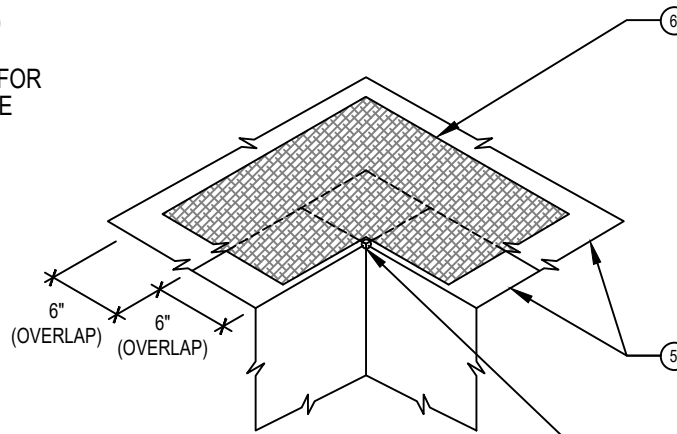
IMAGE 2



4 POLYGUARD US PIT TOP CORNER BOOT EXPOSED ASPHALT COMPOUND, CLEAN IN PREPARATION FOR POLYGUARD FABRIC TAPE OVERLAY IN NEXT STEP

3 INSTALL POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE ONTO PIT SIDEWALLS AND MINIMUM EXTEND 6" ONTO HORIZONTAL POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE AROUND TOP OF PIT

IMAGE 3



6 POLYGUARD FABRIC TAPE OVER CLEANED POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE SUBSTRATES PREPARED WITH POLYGUARD 650 LT LIQUID ADHESIVE OR CALIFORNIA SEALANT APPLIED AT A RATE OF 50 - 75 SF / GAL, EXTEND MINIMUM 6" ONTO EACH SIDE OF HORIZONTAL POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE END LAP; ROLL FABRIC TAPE WITH HAND-HELD, HARD-SURFACE ROLLER (BACKROLL) FOR PROPER BOND / ADHESION

5 HORIZONTAL POLYGUARD TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE TO BE CLEANED IN PREPARATION FOR POLYGUARD FABRIC TAPE OVERLAY

7 POLYGUARD LM-95 APPLIED AND TOOLED ONTO SURROUNDING FABRICS TO MINIMUM 90 MILS

IMAGE 4

TU22

ISOMETRIC @ TERM UNDERSLAB WATER / TERMITE BARRIER MEMBRANE - PIT TOP CORNER (STEPS)