BASIC COMPONENTS OF COLD LIQUID-APPLIED ELASTOMERIC MEMBRANE WATERPROOFING SYSTEM WITH SEPARATE WEARING COURSE

SKETCH 1
FLUID-APPLIED MEMBRANE - ADHESIVE -

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ADHERE THE OUTER 4 INCH OF BOTH SIDES OF A 12-INCH-WIDE ELASTOMERIC SLIP SHEET TO THE CONCRETE DECK.

BOND BREAKER

HAIRLINE CRACK OR CONTROL JOINT

CONCRETE DECK

FLASHING AT CRACKS AND NONMOVING JOINTS IN THE CONCRETE

SKETCH 2
JOINT FILLER

RIGID INSULATION WHERE REQUIRED

DRAINAGE COURSE

PROTECTION BOARD

SPONGE-RUBBER-BACKED PROTECTION MEMBRANE ATTACHED WITH ADHESIVE TO ELASTOMERIC SHEET

ELASTOMERIC SUPPORT GASKET

ELASTOMERIC SHEET

MONOLITHIC STRUCTURAL SLAB & CURB

FLUID-APPLIED MEMBRANE

6 IN MINIMUM

EXPANSION JOINT FLASHING

SKETCH 3

UFGS 07 14 00
WEARING COURSE

CONCRETE PROTECTION SLAB

SPONGE-RUBBER-BACKED PROTECTION MEMBRANE ATTACHED WITH ADHESIVE TO ELASTOMERIC SHEET

DRAINAGE COURSE

MONOLITHIC STRUCTURAL SLAB AND CURB

JOINT FILLER

ELASTOMERIC SUPPORT GASKET

GALVANIZED SHEET METAL OR ALUMINUM GASKET RETAINER

ELASTOMERIC SHEET

6 IN. MINIMUM FLUID-APPLIED MEMBRANE

EXPANSION JOINT FLASHING AT WALL

SKETCH 4
WALL FLASHING ON CONCRETE WALL

SKETCH 5
EXTEND FLUID MEMBRANE
ABOVE WEARING SURFACE.
4 INCHES MINIMUM

METAL THROUGH-WALL AND COUNTERFLASHING WITH LAPPED AND SEALED JOINTS

FINISHED WEARING SURFACE AT GRADE

4 IN. MINIMUM

3 IN. MINIMUM

TERMINAL CONDITION WITH MASONRY ABOVE
FINISH WEARING SURFACE AT GRADE

SKETCH 6
REINFORCING STEEL CONTINUOUS THROUGH JOINT

PROTECTION BOARD

VERTICAL OR HORIZONTAL CONCRETE JOINT

ELASTOMERIC SHEET. ADHERE A MINIMUM OF 4 INCHES TO BOTH THE VERTICAL AND HORIZONTAL SURFACES. LEAVE SHEET UNADHERED IN CORNER FOR 1 INCH ON EACH SURFACE. APPLY FLUID MEMBRANE OVER ELASTOMERIC SHEET.

WALL-DECK FLASHING

SKETCH 7
COUNTERFLASHING

WEARING SURFACE

ELASTOMERIC SHEET ADHERED TO CONCRETE AND PIPE SLEEVE. LEAVE SHEET UNADHERED FOR 1 IN. OVER JOINT BETWEEN SLEEVE AND CONCRETE. APPLY FLUID MEMBRANE DIRECTLY OVER ELASTOMERIC SHEET

SEALANT
BACKING MATERIAL

SERVICE PIPE OR CONDUIT
JOINT FILLER

ADHESIVE

4 BOLT ANCHORS 4 IN. MINIMUM LENGTH

PIPE SLEEVE CAST IN CONCRETE

PENETRATION FLASHING

SKETCH 8
ELASTOMERIC SHEET WITH EDGES ADHERED TO DRAIN FLANGE AND STRUCTURAL SLAB. LEAVE SHEET UNADHERED FOR 1 IN. OVER JOINT BETWEEN DRAIN AND SLAB. APPLY FLUID MEMBRANE DIRECTLY OVER ELASTOMERIC SHEET.