BITUMAT

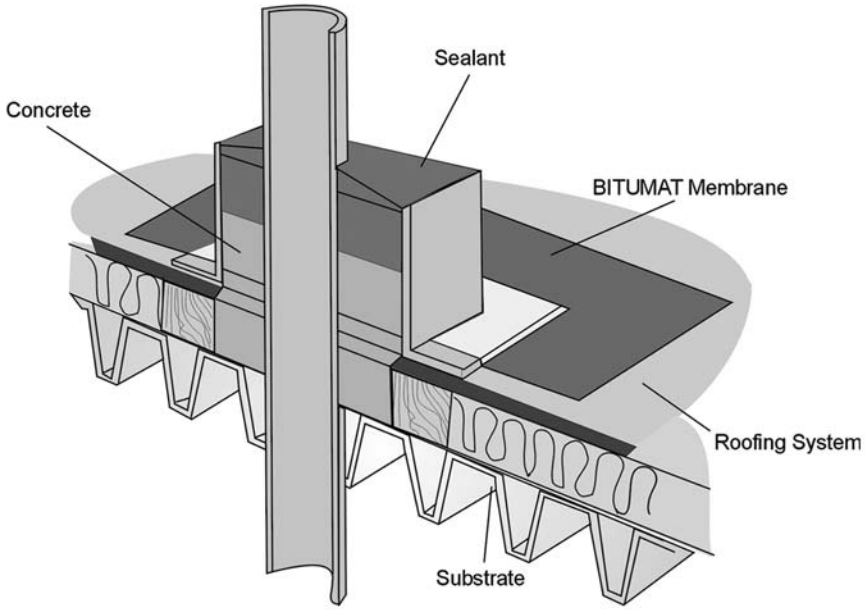
TECHNICAL DRAWINGS FILE

TECHNICAL DRAWINGS LIST

* Roofing Applications
* Single Layer Covered Systems
* Two Layers Covered Systems
* Two Layers Exposed Systems
* Roofing Over Concrete Deck
* Roofing Over Steel Deck
* Underground Tanking Systems
* Wet Rooms Waterproofing Systems
* Bituseal Dampproofing Systems
* Bridge Deck Waterproofing Systems
* Drain Details
* Roof Garden Waterproofing Systems
* Pipe Penetrations
* Pile Treatments

BITUMAT بيتومات

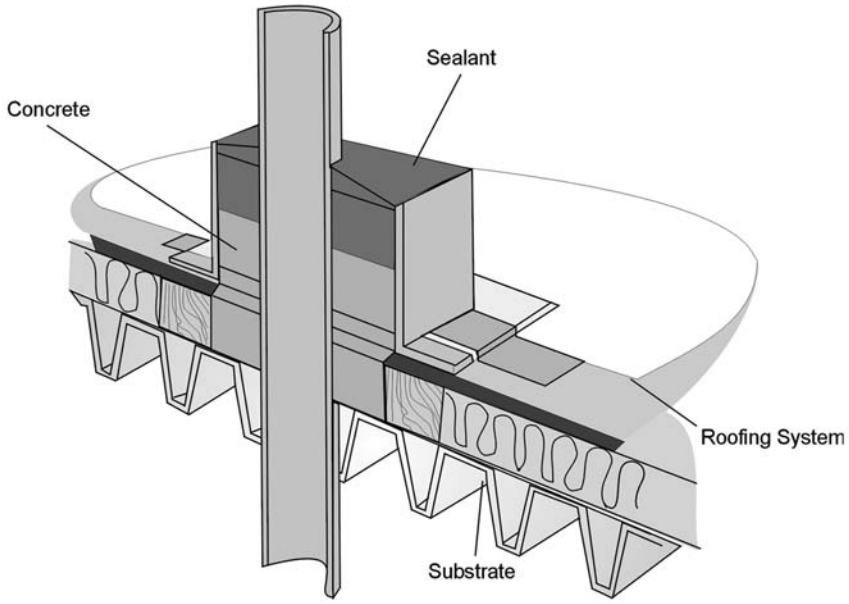
ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



PITCH POCKET FLASHING DETAILS 1

BITUMAT بيتومات

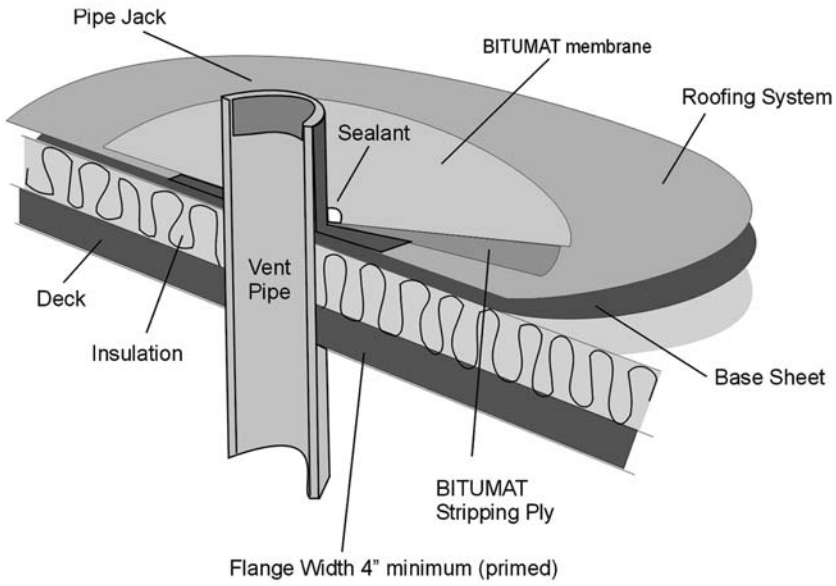
ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



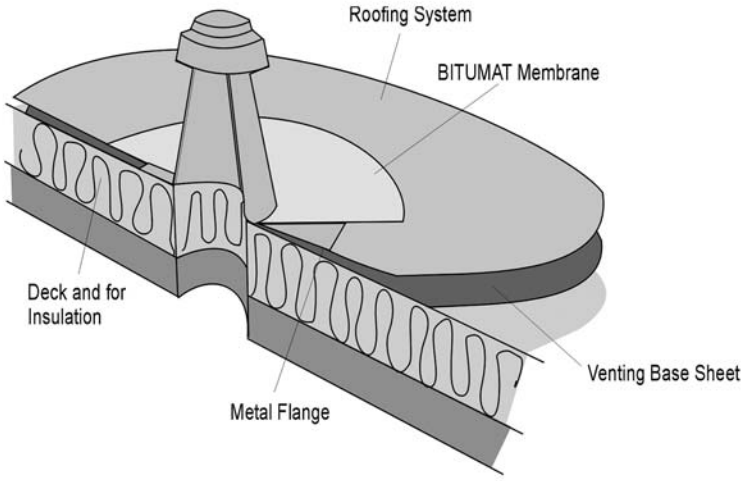
PITCH POCKET FLASHING DETAILS 2

BITUMAT بيتومات

ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



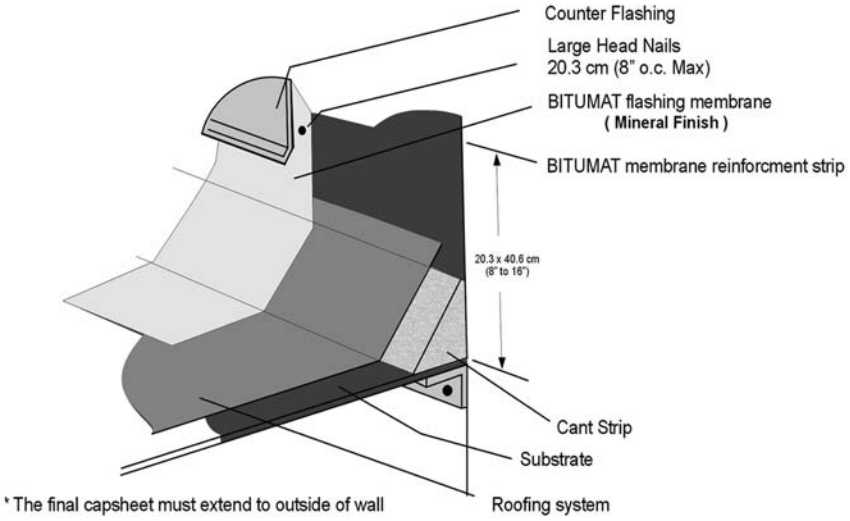
VENT PIPE DRESSING



MOISTURE VENT FLASHING

BITUMAT بيتومات

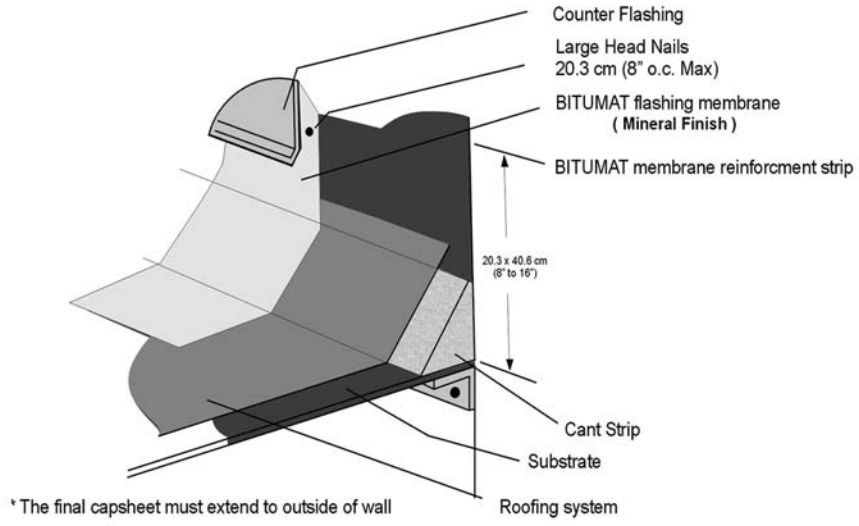
ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



SINGLE LAYER APPLICATION DETAILS

BITUMAT بيتومات

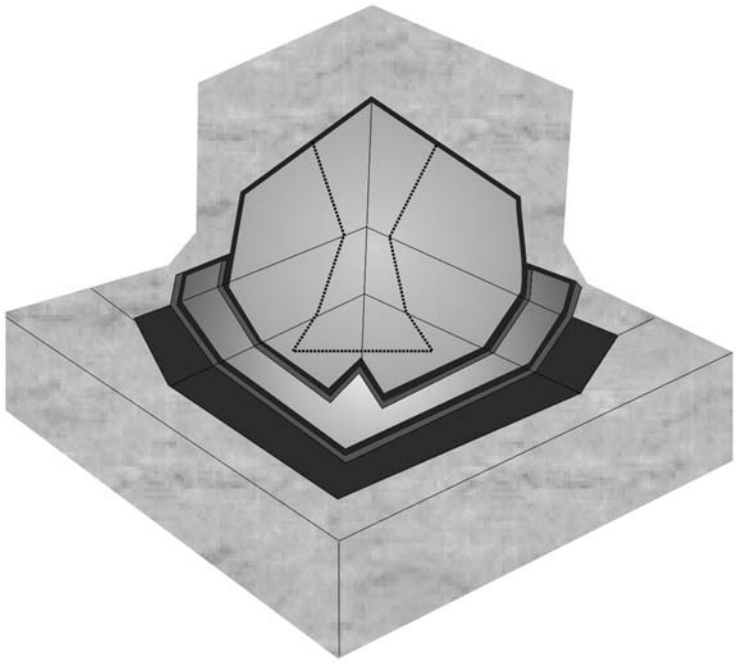
ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



SINGLE LAYER APPLICATION DETAILS

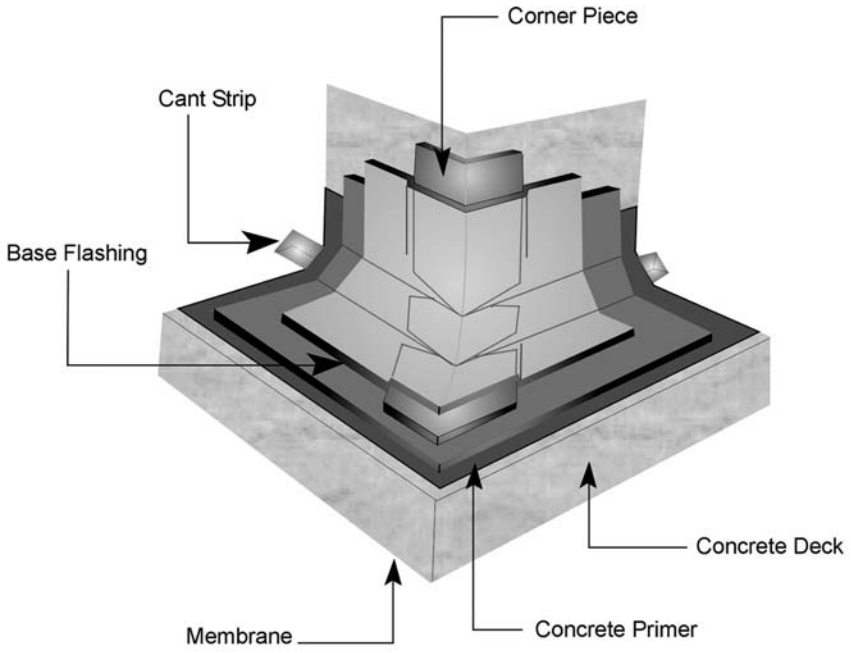
BITUMAT بيتومات

ROOFING APPLICATIONS
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK INTERNAL VIEW

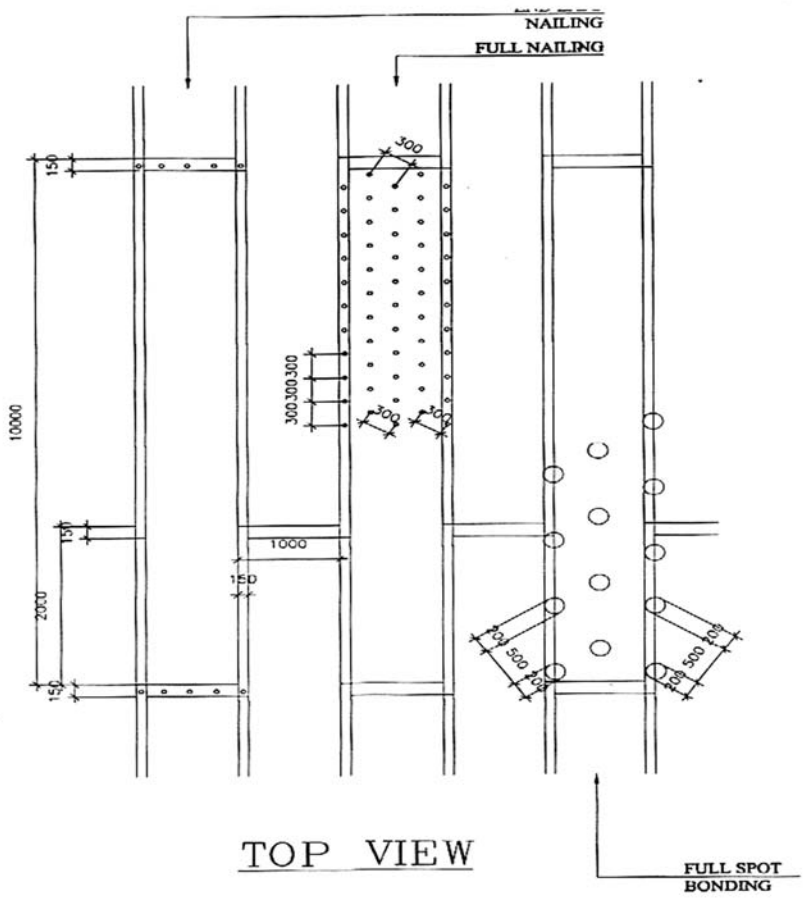
Concrete Deck - Corner View



CONCRETE DECK EXTERNAL VIEW

BITUMAT بيتومات

ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)

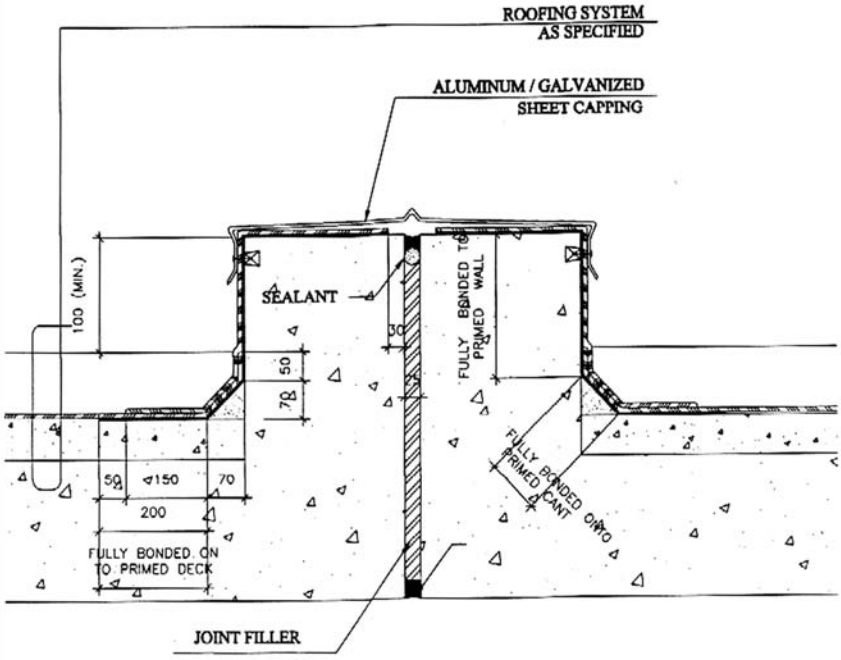


TOP VIEW

NAILING AND SPOT BONDING

BITUMAT بيتومات

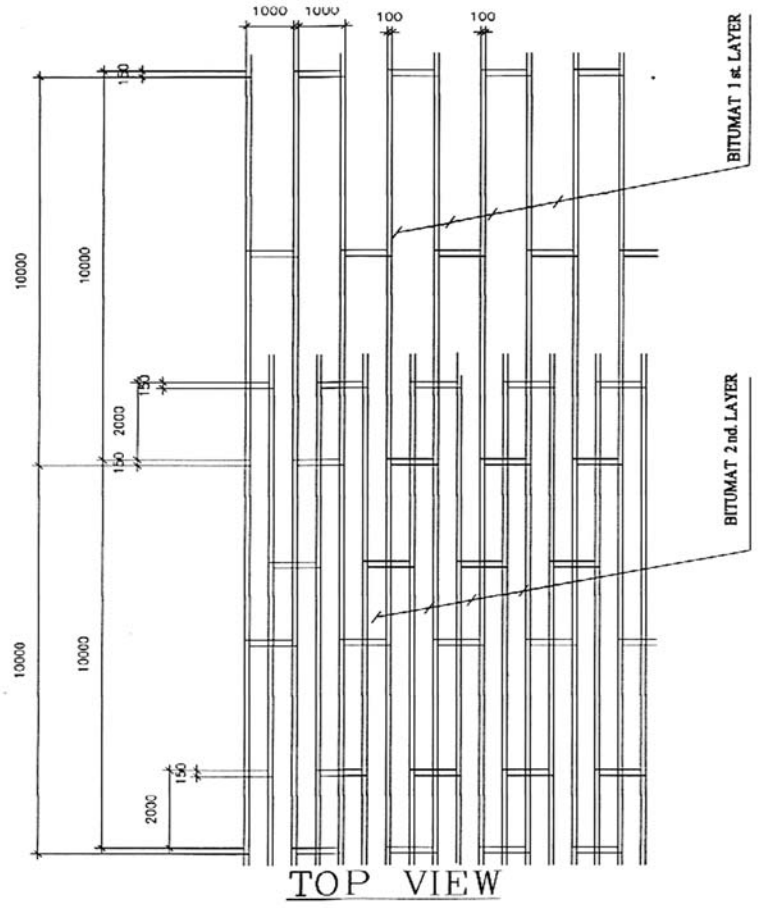
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



EXPANSION JOINTS ON RIBS-1

BITUMAT بيتومات

ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)

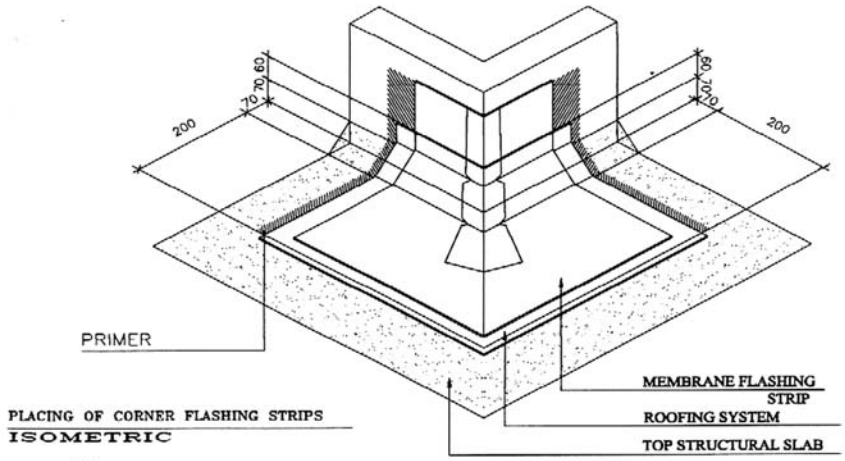


TOP VIEW

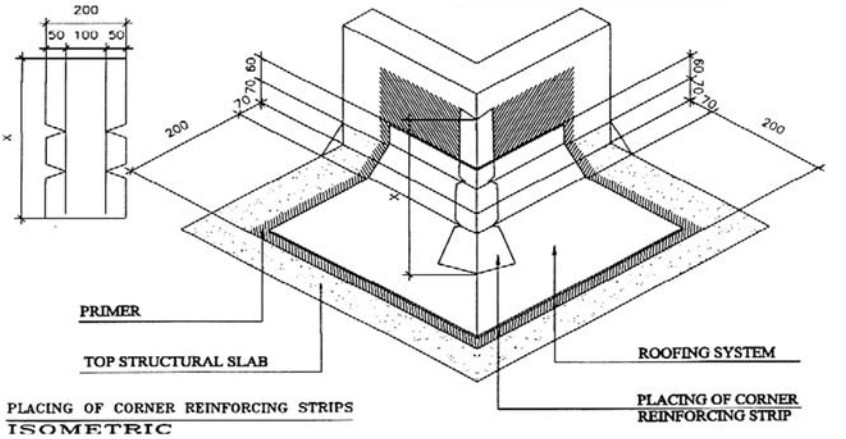
TWO LAYER SYSTEMS OVERLAPPING

BITUMAT بيتومات

ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



PLACING OF CORNER FLASHING STRIPS
ISOMETRIC

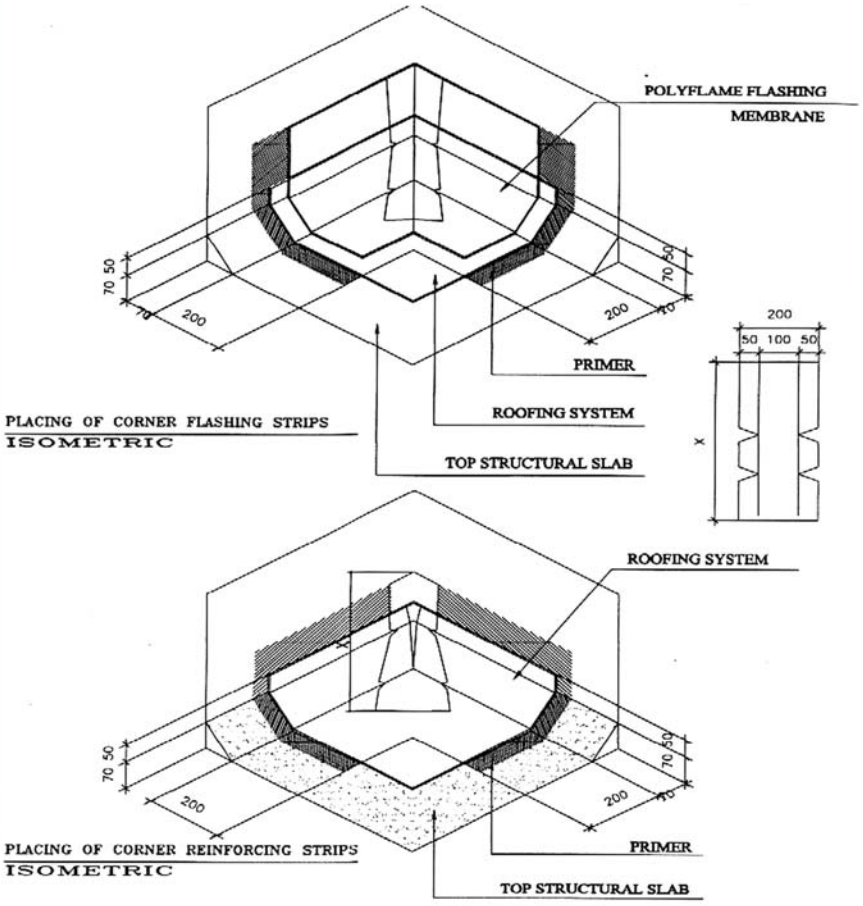


PLACING OF CORNER REINFORCING STRIPS
ISOMETRIC

EXTERNAL CONCRETE TREATMENT

BITUMAT بيتومات

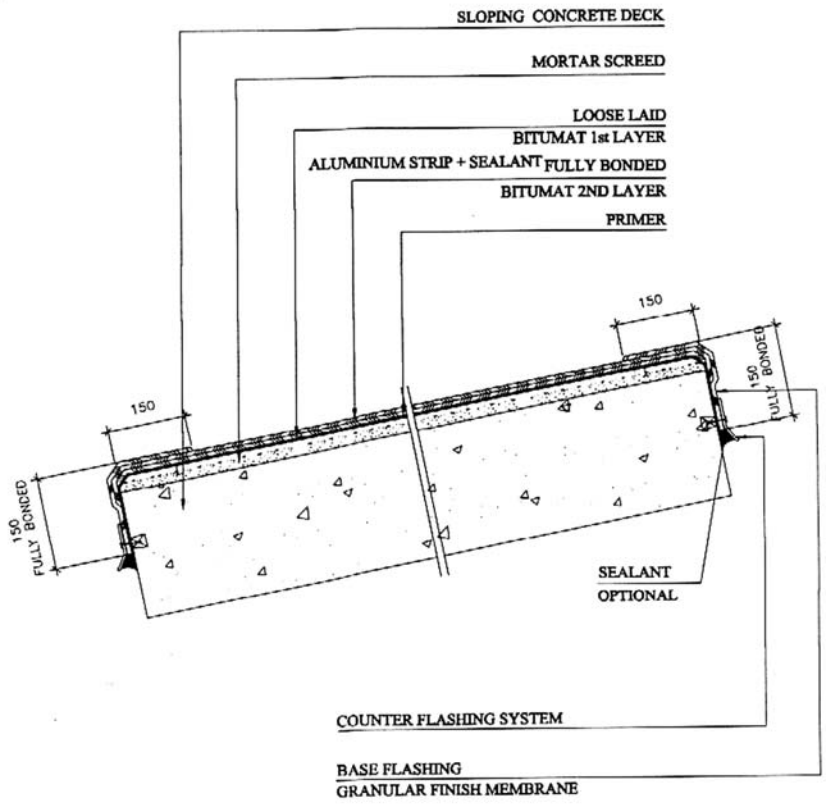
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



INTERNAL CONCRETE TREATMENT

BITUMAT بيتومات

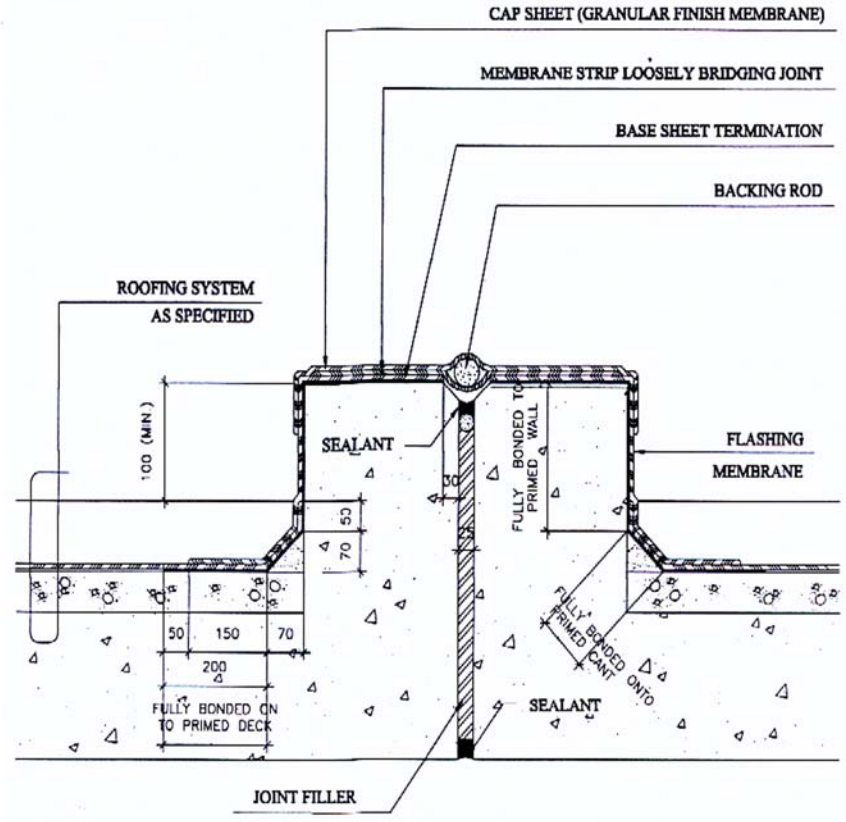
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



EDGE FLASHING

BITUMAT بيتومات

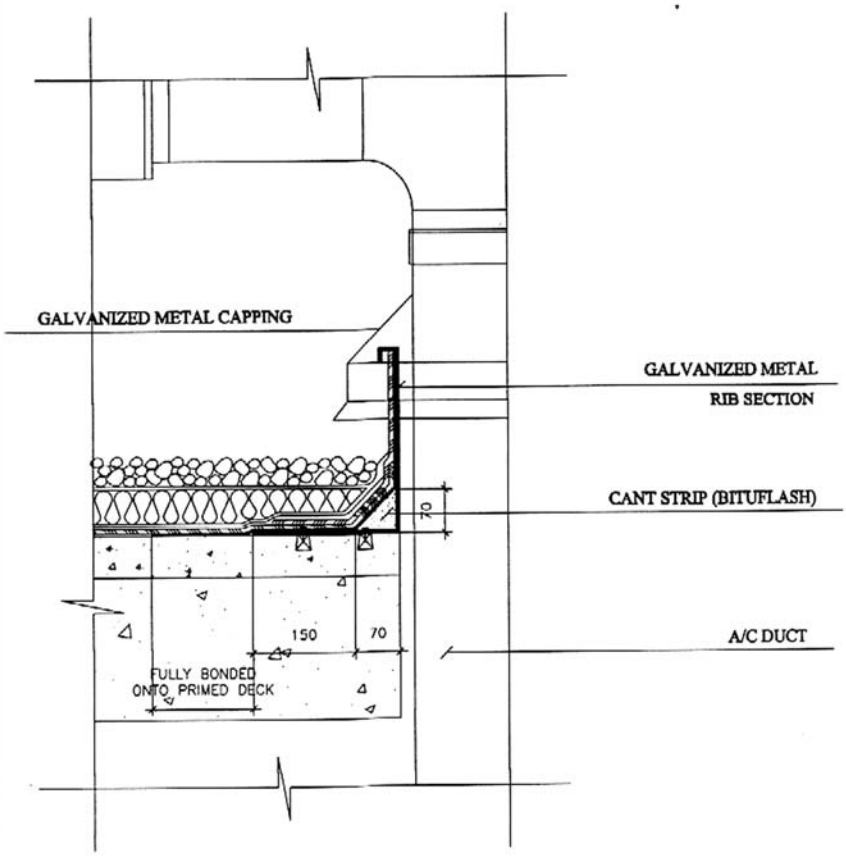
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



EXPANSION JOINTS ON RIBS - 2

BITUMAT بيتومات

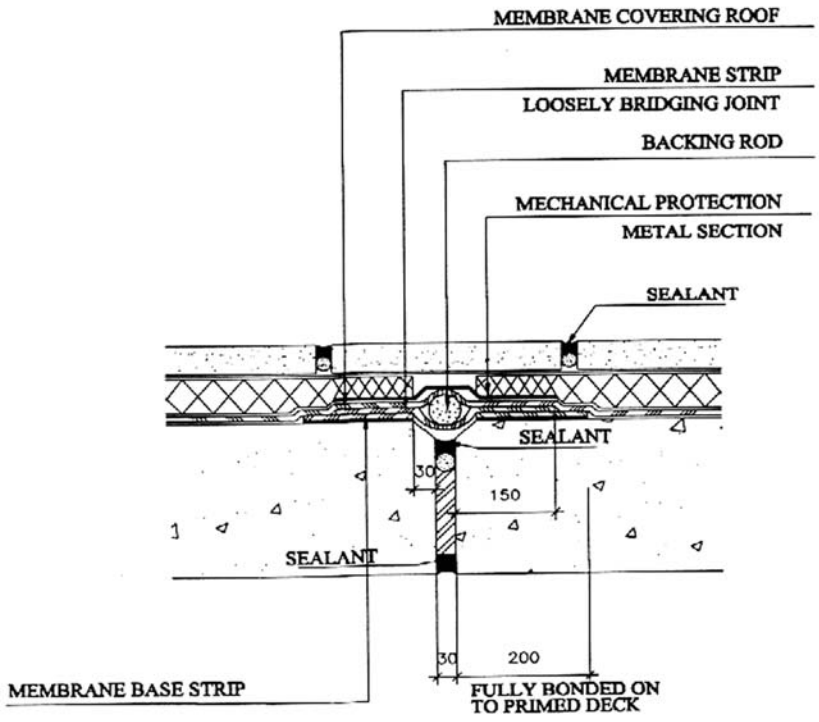
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



A/C DUCT PENETRATION

BITUMAT بيتومات

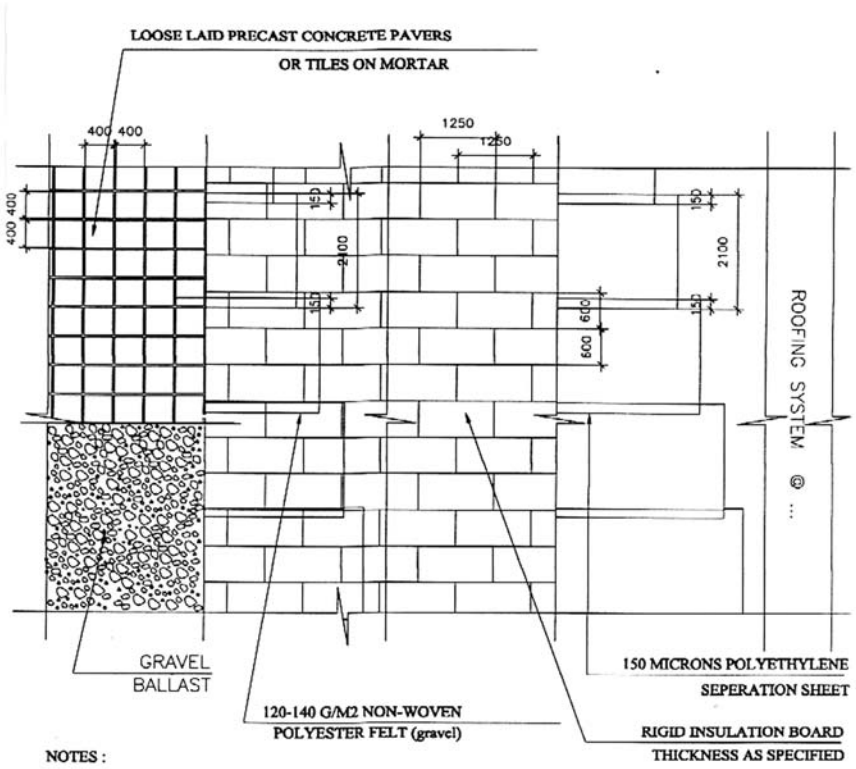
ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



FLAT EXPANSION JOINT

BITUMAT بيتومات

ROOFING OVER CONCRETE DECK
(BITUMAT TECHNICAL DRAWING)



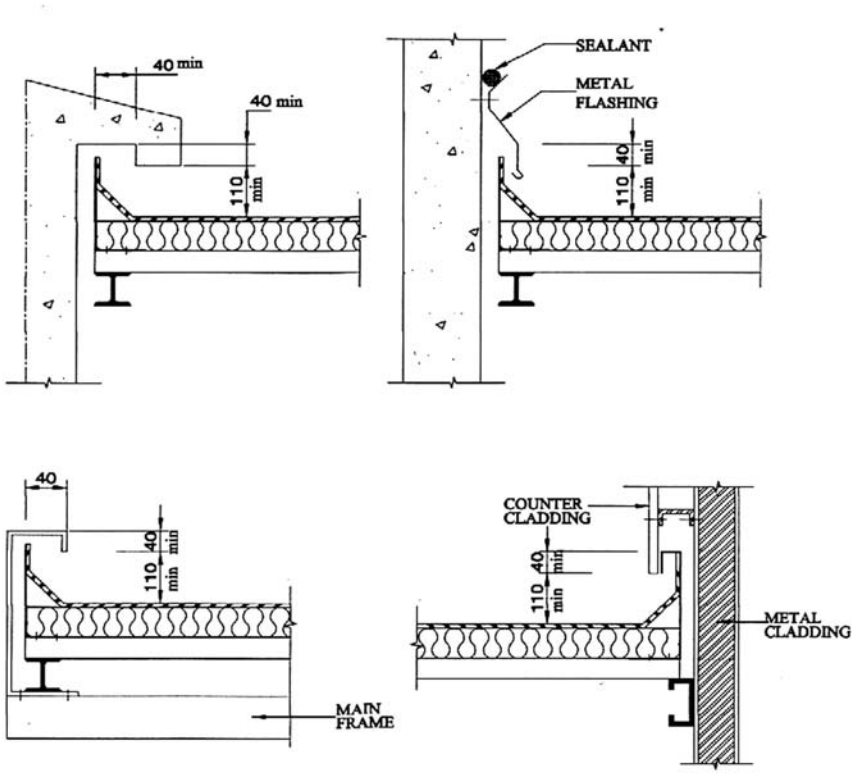
NOTES :

1. GIVEN DIMENSIONS ARE ONLY INDICATIVE OTHER DIMENSIONS ARE AVAILABLE.
2. THICKESS OF TOP COVERING IS FUNCTION OF THICKNESS OF INSULATION BOARDS SEE MNFR'S RECOMMENDATIONS.

(TOP VIEW) TYPICAL ROOF COVERING

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)

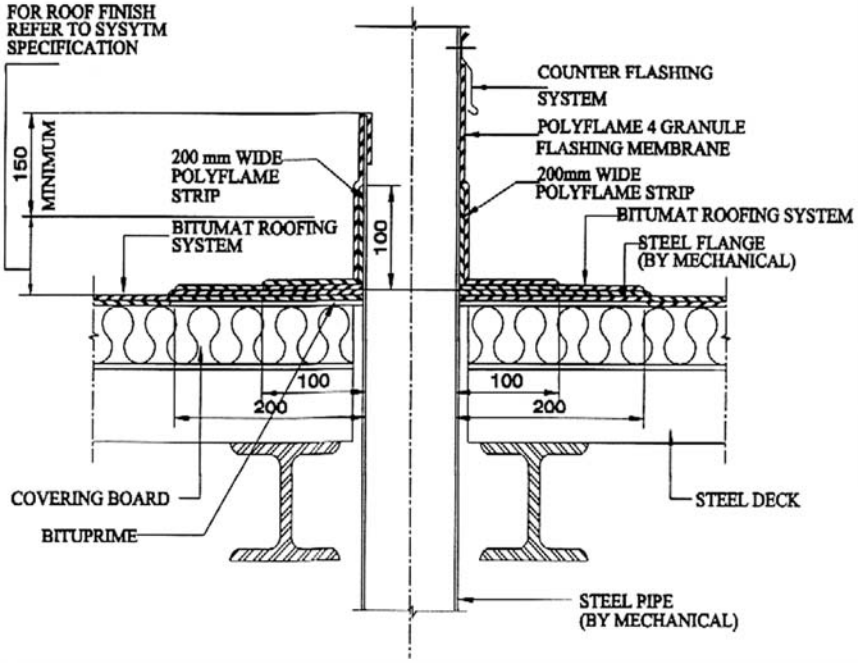


NOTE : TYPICAL DETAILS FOR STRUCTURE ONLY
FOR MEMBRANES DETAILING, REFER TO
SPECIFICATION.

COUNTER FLASHING / COUNTER CLADDING

BITUMAT بيتومات

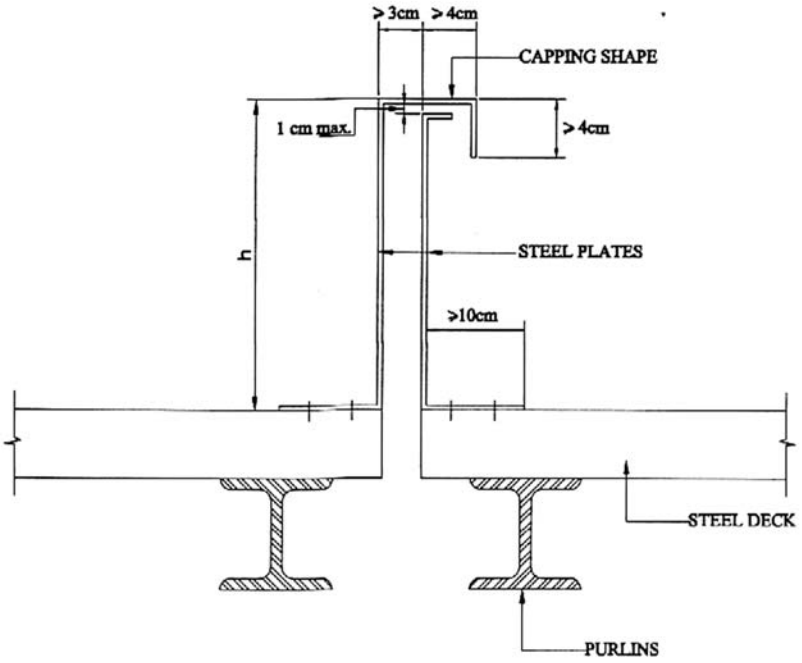
ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



PIPE PENETRATION

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



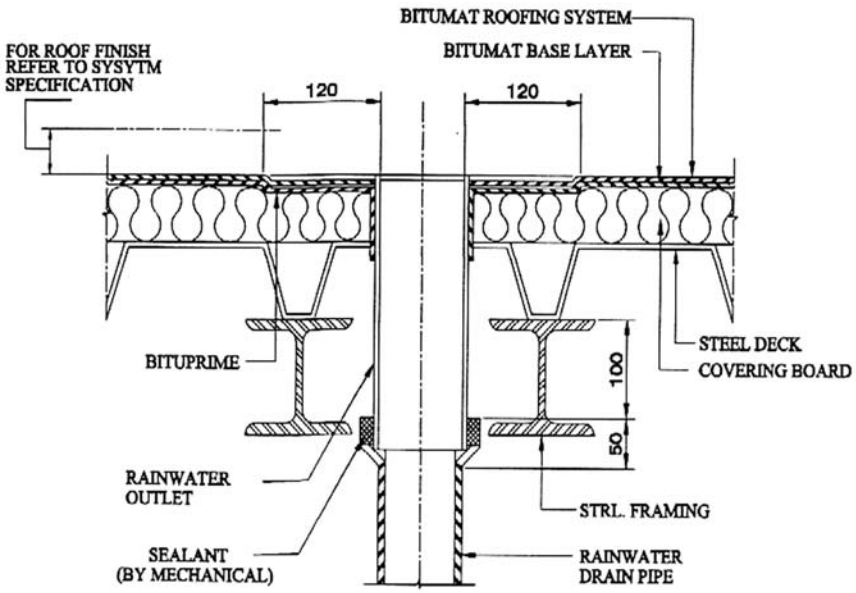
h: STEEL DETAIL R.O.S.D. -02

THICKNESS OF STEEL PLATE : SEE DET. R.O.S.D. -02

EXPANSION JOINTS

BITUMAT بيتومات

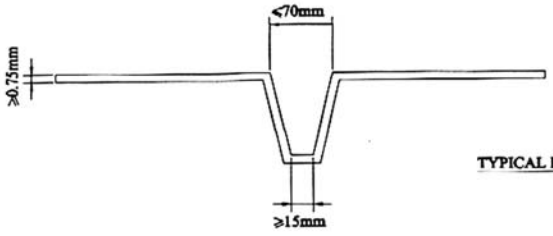
ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



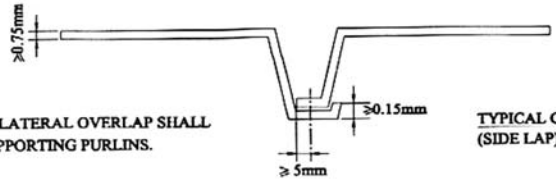
RAINWATER OUTLET

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)

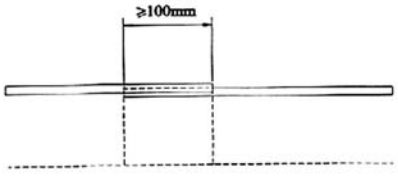


TYPICAL FLUTE



NOTE:LATERAL OVERLAP SHALL BE SUPPORTING PURLINS.

TYPICAL OVERLAP (SIDE LAP)

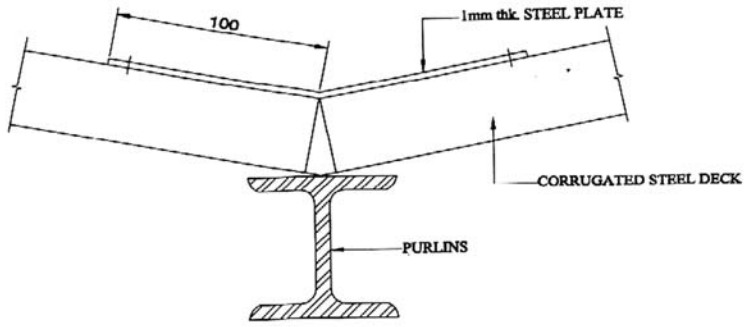


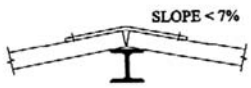
TYPICAL OVERLAP (END LAP)

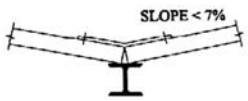
CORRUGATED STEEL DECK DESIGNS

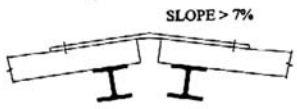
BITUMAT بيتومات

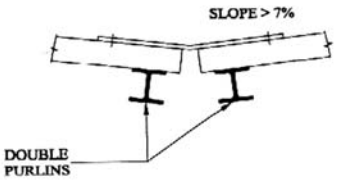
ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)







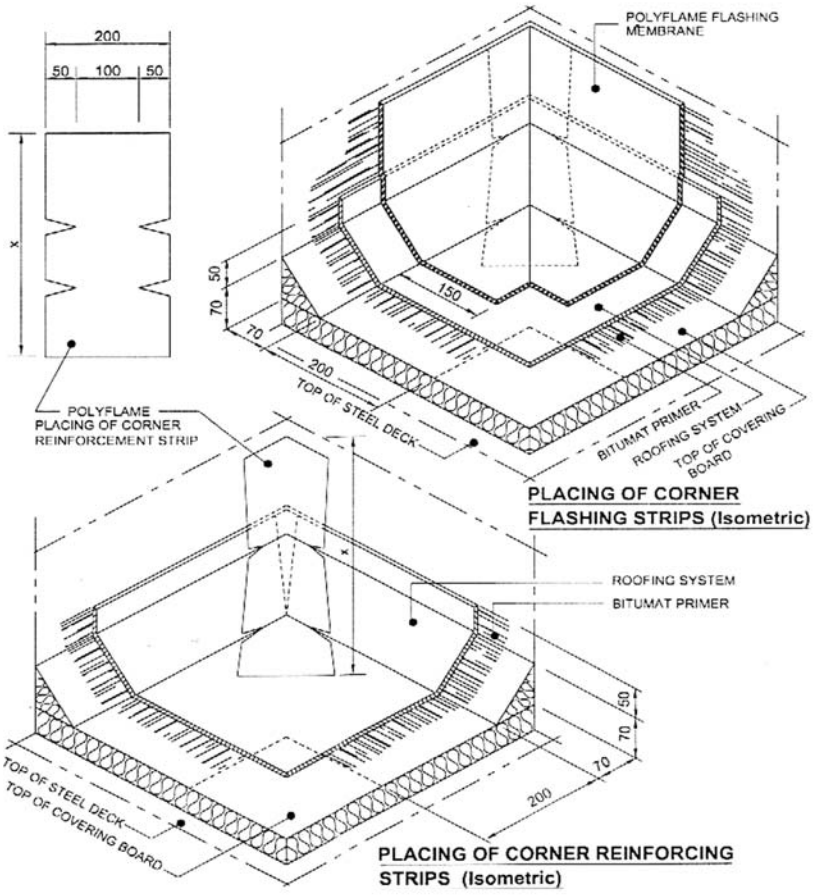




BRIDGES & VALLEYS

BITUMAT بيتومات

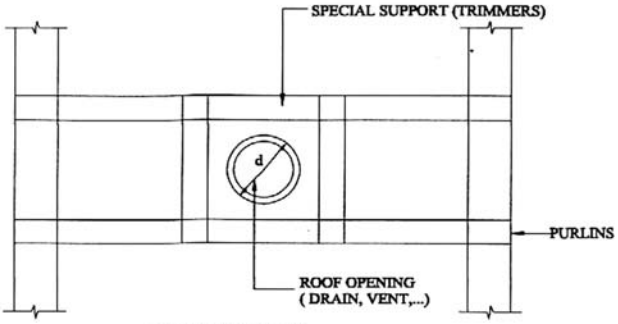
ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



INTERNAL CORNER

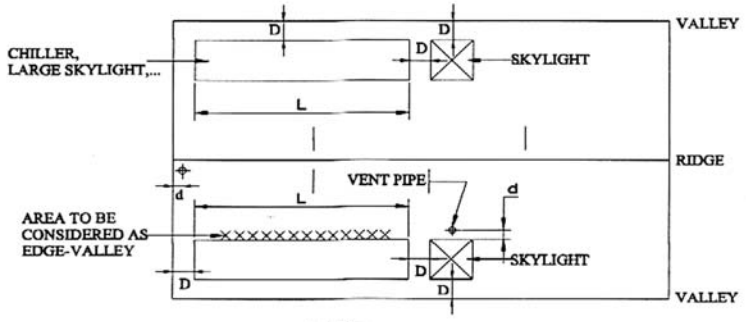
BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



d > 25 cm FOR DRAINS
OR d > 15 cm FOR OTHER OPENINGS

① TOP VIEW - FRAMING AT OPENINGS



L ≤ 10 m
D ≥ 1 m
d ≥ 0.5 m

② TOP VIEW - TYPICAL OPENING LOCATION

ROOF OPENINGS

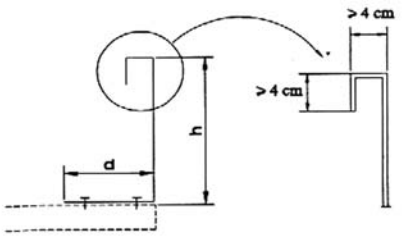
BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)

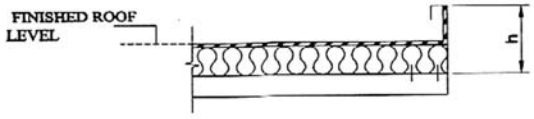
t: THICKNESS OF STEEL CURB
h: HEIGHT OF VERTICAL FLANGE

t = 0.75 mm h ≤ 0.25 m
t = 1 mm h ≤ 0.40 m
t = 1.20 mm h ≤ 0.60 m

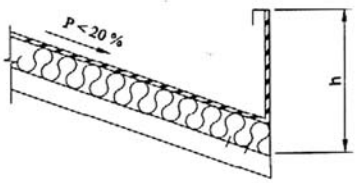
d > 0.10 m



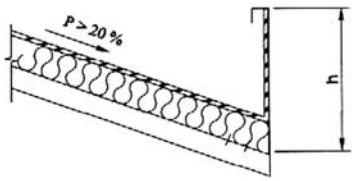
DESIGN OF HEIGHT h



0.10 m < h < 0.60 m



0.15 m < h < 0.60 m

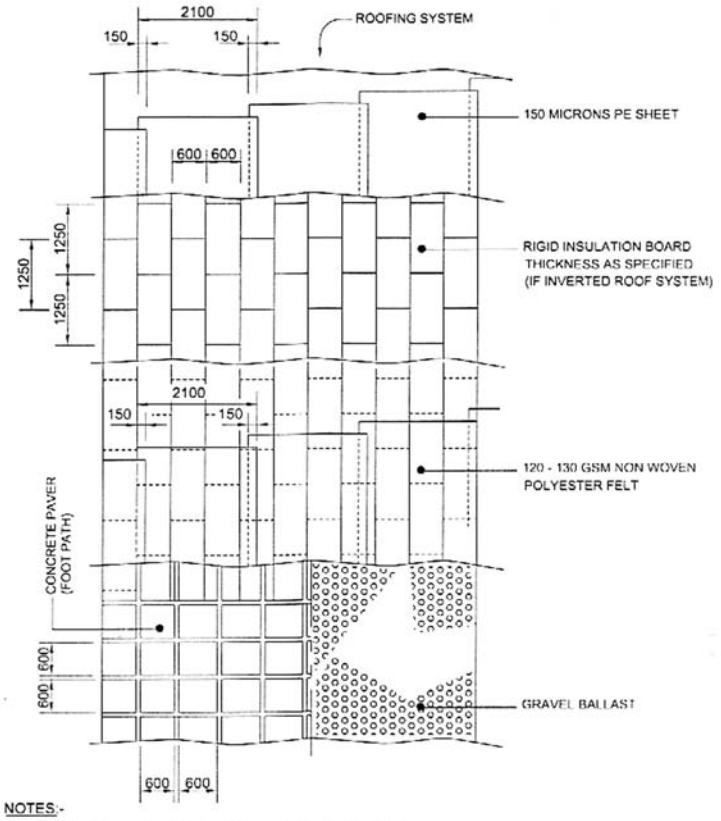


0.25 m < h < 0.60 m

DESIGN OF UPSTAND STEEL CURB

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



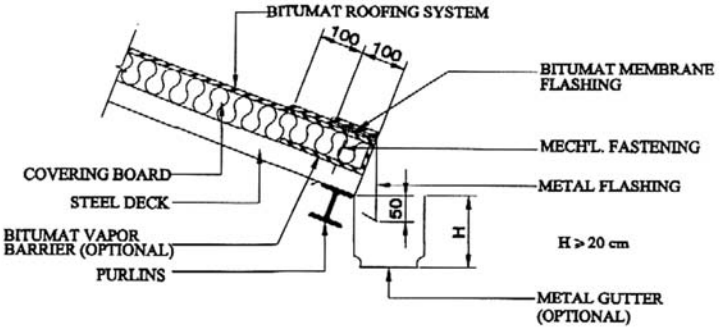
NOTES:-

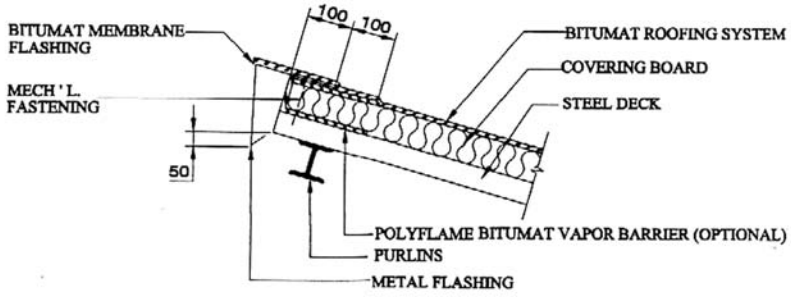
1. GIVEN SEP. LAYERS ROLLS WIDTH ARE ONLY INDICATIVE. OTHER DIMENSIONS ARE AVAILABLE.
2. THICKNESS OF TOP COVERING IS FUNCTION OF THICKNESS OF INSULATION BOARDS. SEE MNFR'S RECOMMENDATIONS.

TOP VIEW: TYPICAL COVERING

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)

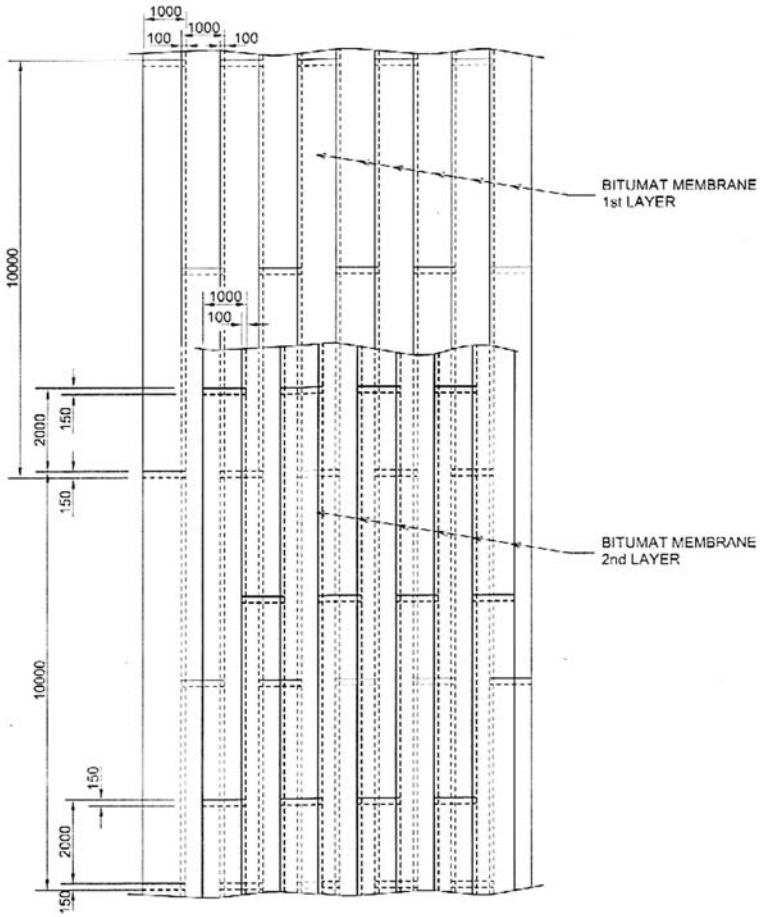




EDGE FLASHING

BITUMAT بيتومات

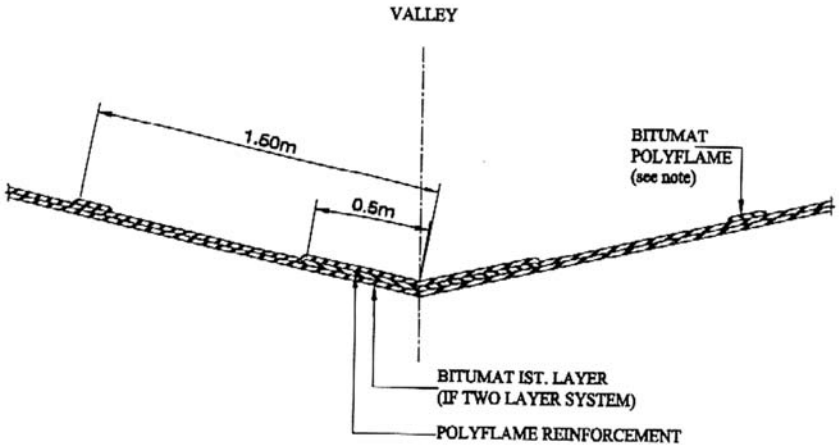
ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)



TOP VIEW: TWO LAYER SYSTEMS OVERLAPPING

BITUMAT بيتومات

ROOFING OVER STEEL DECK
(BITUMAT TECHNICAL DRAWING)

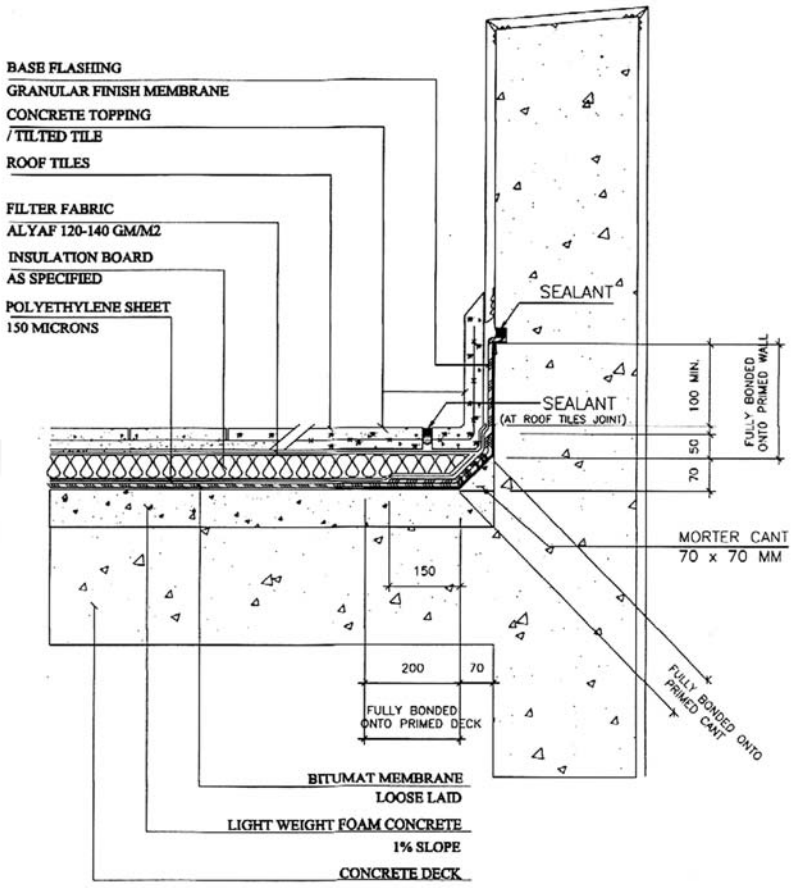


NOTE : EXPOSED SYSTEMS : POLYFLAME 4 GRANULE FINISH
COVERED SYSTEM : POLYFLAME BLACK
SAME DETAIL ON RIDGES, EDGE VALLEYS,....

VALLEYS

BITUMAT بيتومات

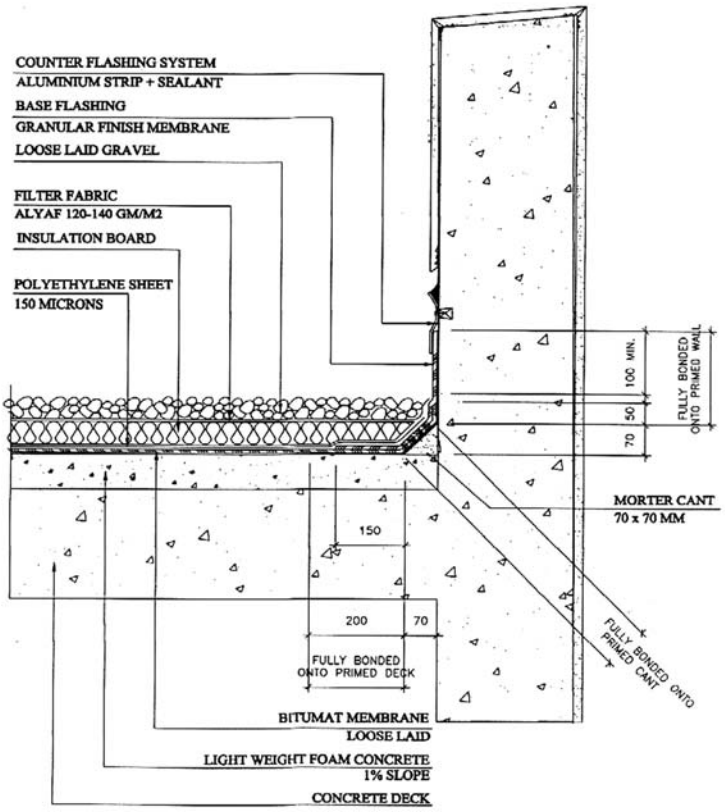
SINGLE LAYER COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK / ACCESSIBLE ROOF

BITUMAT بيتومات

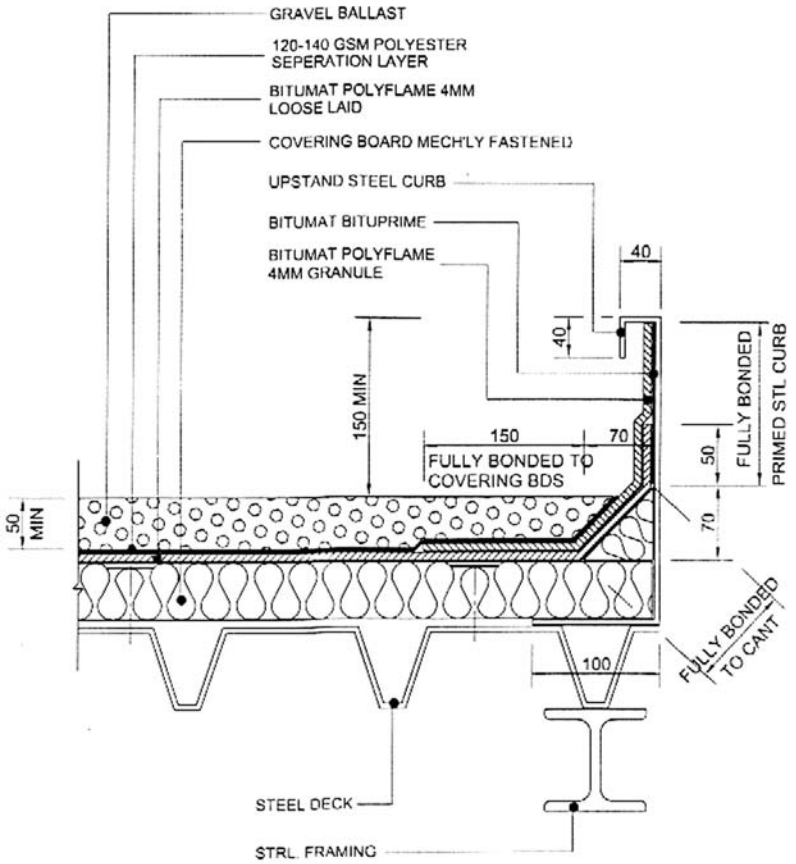
SINGLE LAYER COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK / NON ACCESSIBLE ROOF

BITUMAT بيتومات

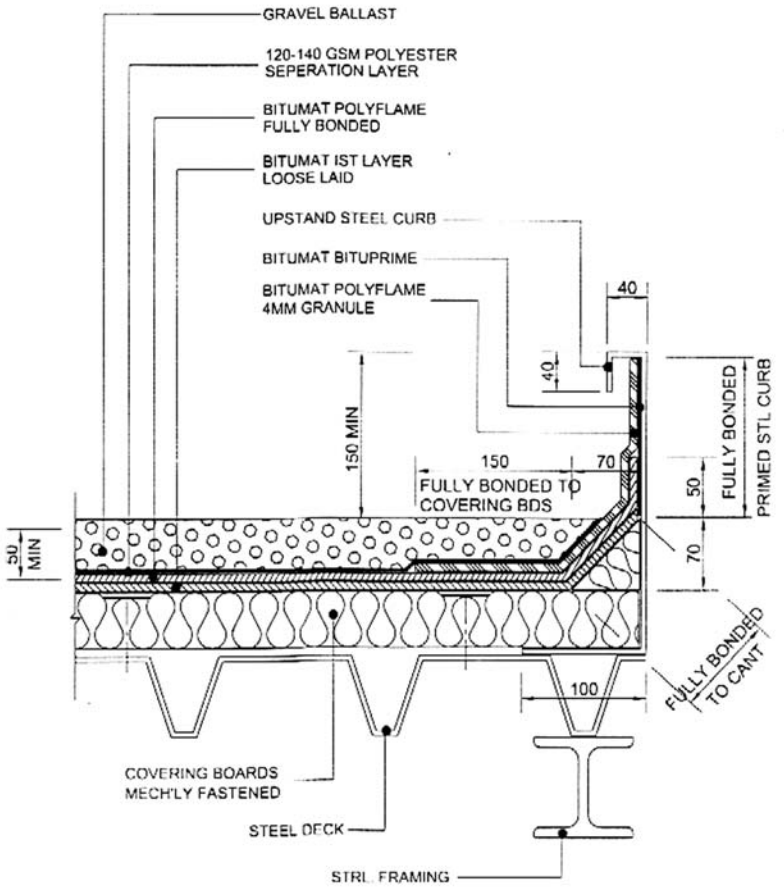
SINGLE LAYER COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



STEEL DECK

BITUMAT بيتومات

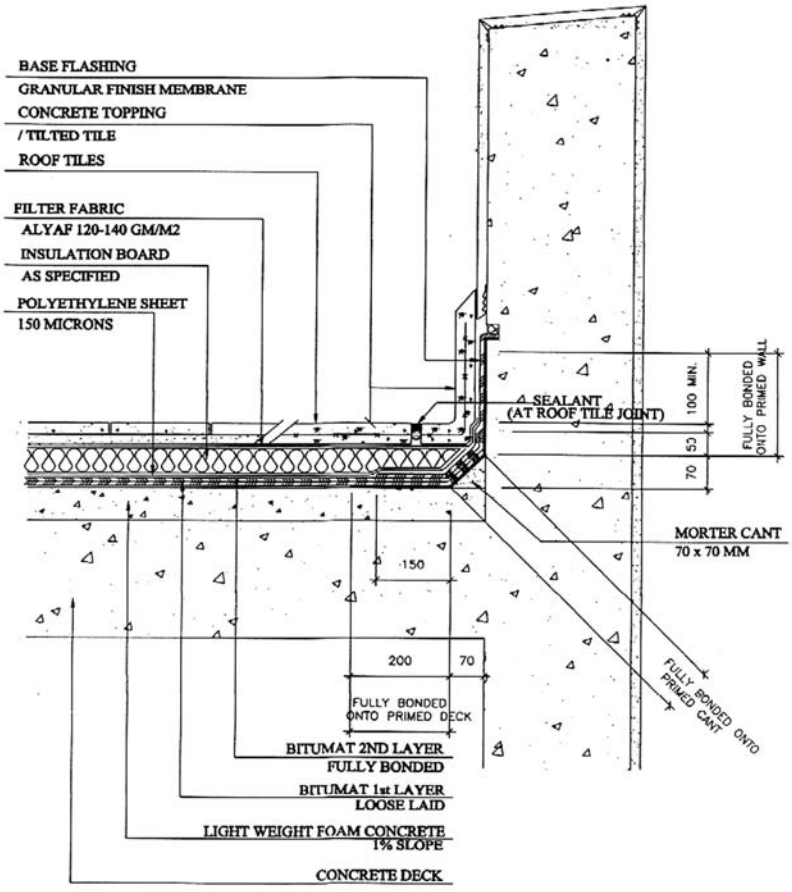
TWO LAYERS COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



OVER STEEL DECK

BITUMAT بيتومات

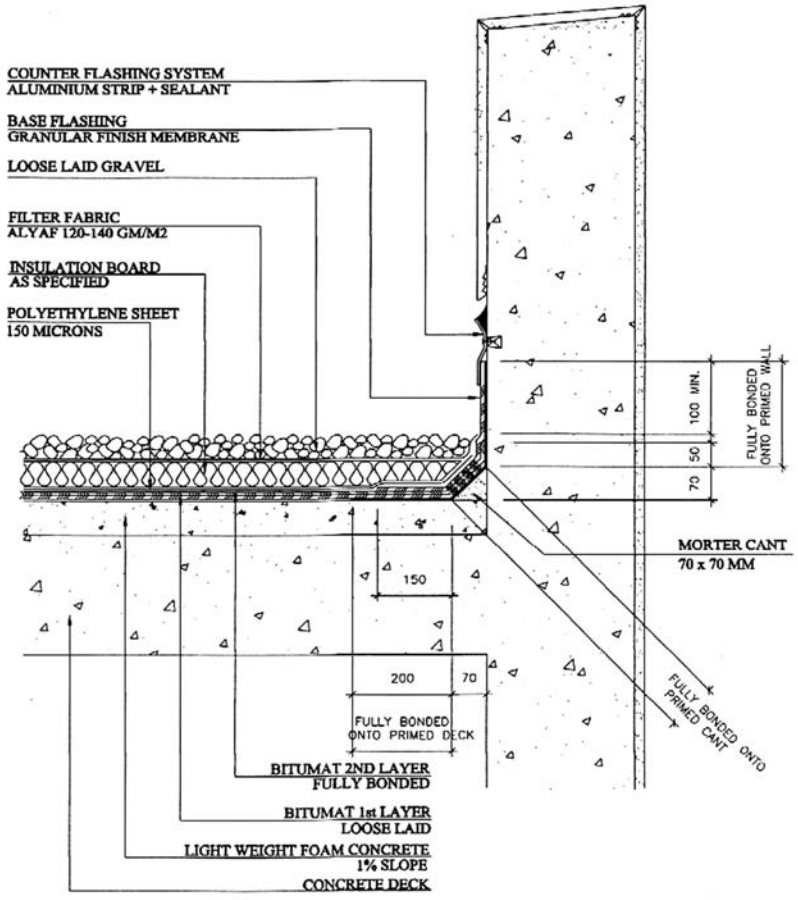
TWO LAYERS COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK / ACCESSIBLE ROOF

BITUMAT بيتومات

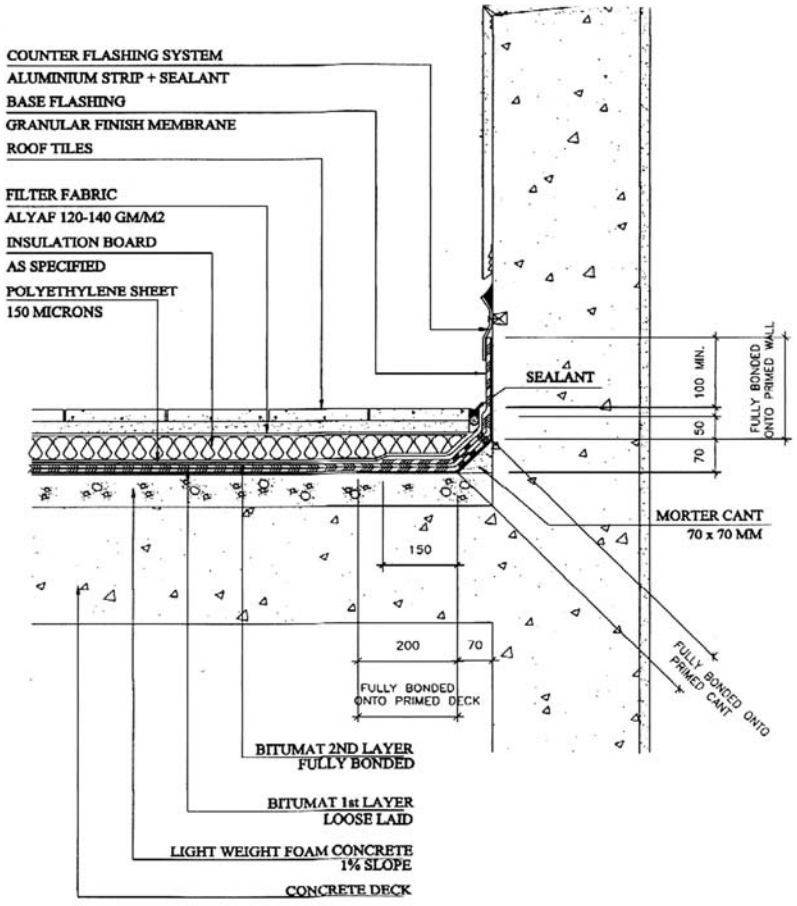
TWO LAYERS COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK / NON ACCESSIBLE ROOF

BITUMAT بيتومات

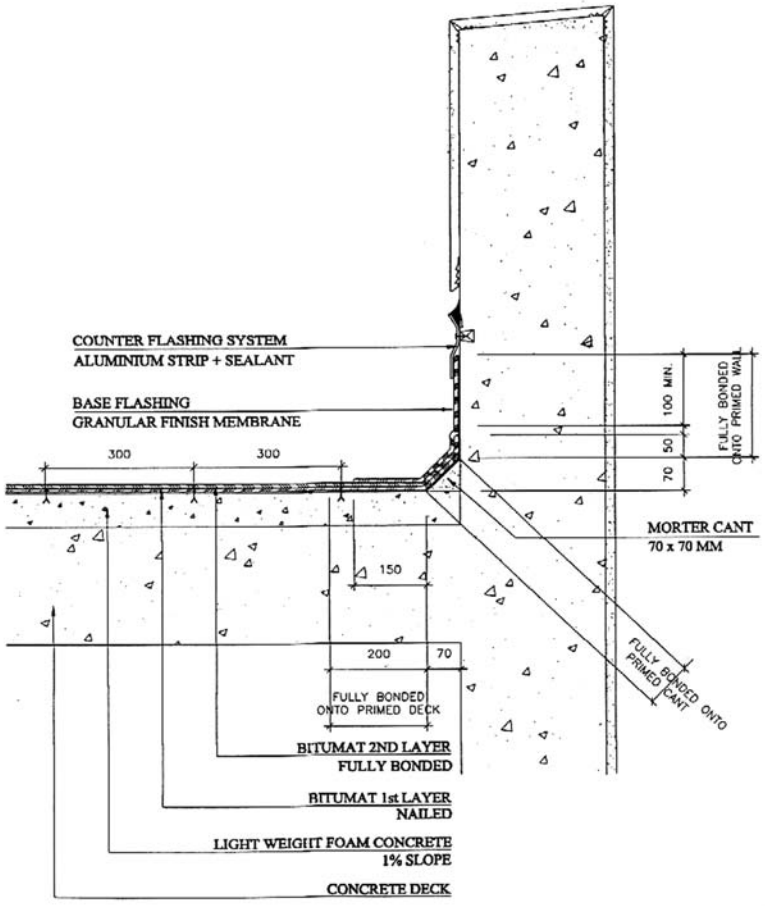
TWO LAYERS COVERED SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK / SERVICE ROOF

BITUMAT بيتومات

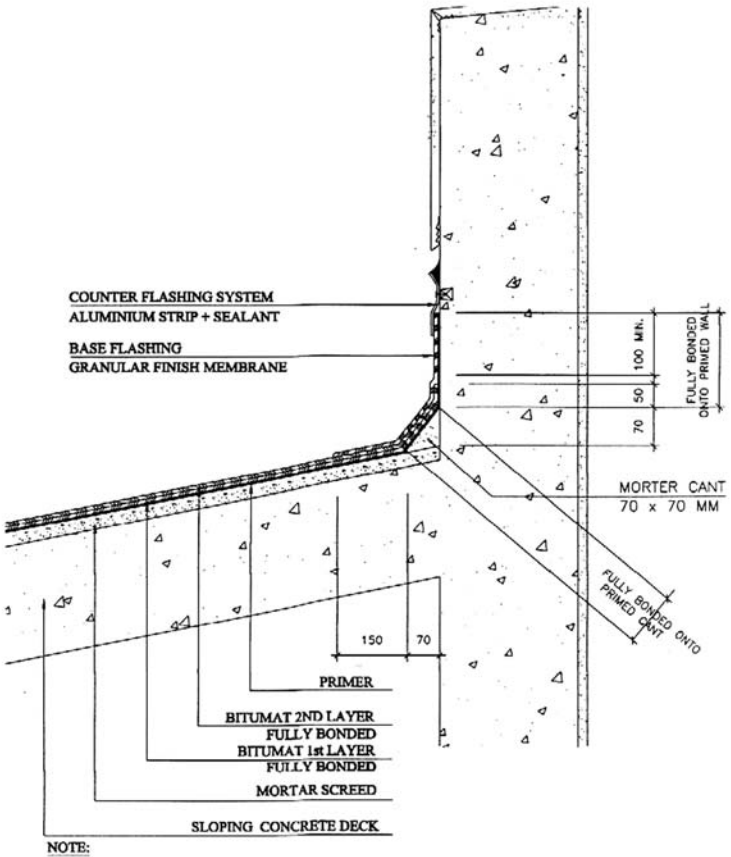
TWO LAYER EXPOSED SYSTEM
(BITUMAT TECHNICAL DRAWING)



LIGHTWEIGHT FOAM CONCRETE SCREED

BITUMAT بيتومات

TWO LAYER EXPOSED SYSTEM
(BITUMAT TECHNICAL DRAWING)



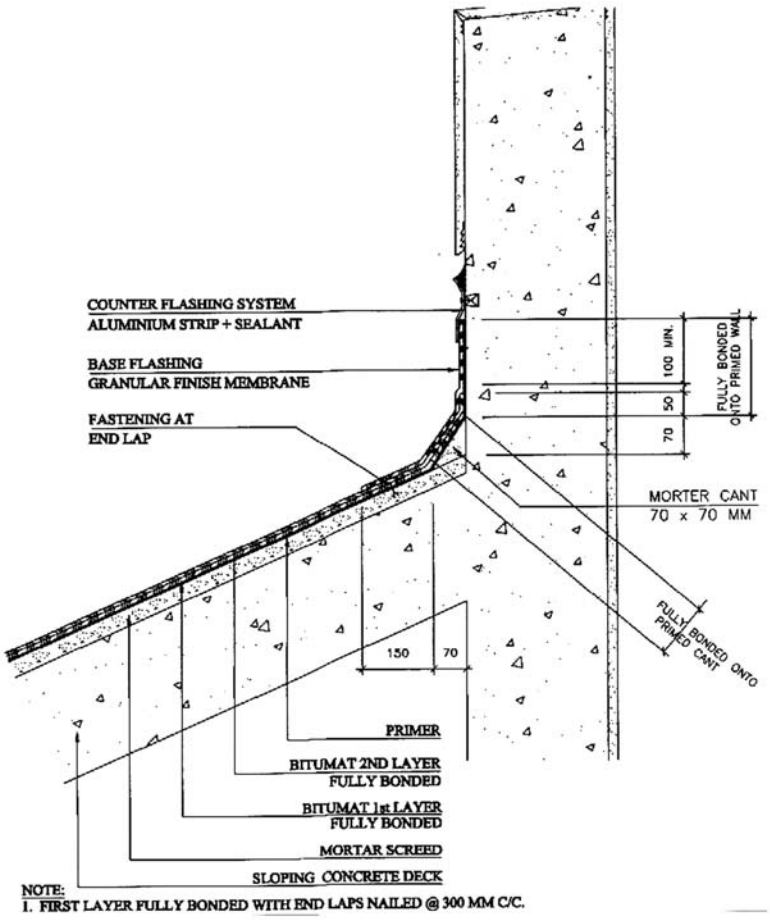
NOTE:

1. FIRST LAYER FULLY BONDED.

CONCRETE DECK SLOPE 15 TO 30%

BITUMAT بيتومات

TWO LAYER EXPOSED SYSTEM
(BITUMAT TECHNICAL DRAWING)

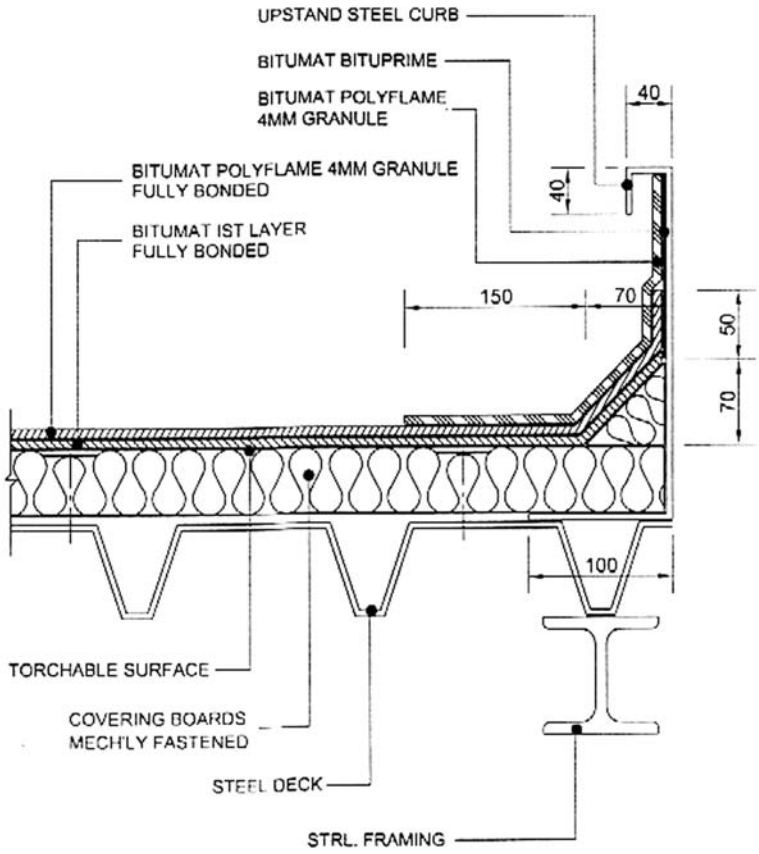


NOTE:
1. FIRST LAYER FULLY BONDED WITH END LAPS NAILED @ 300 MM C/C.

CONCRETE DECK SLOPE 30%

BITUMAT بيتومات

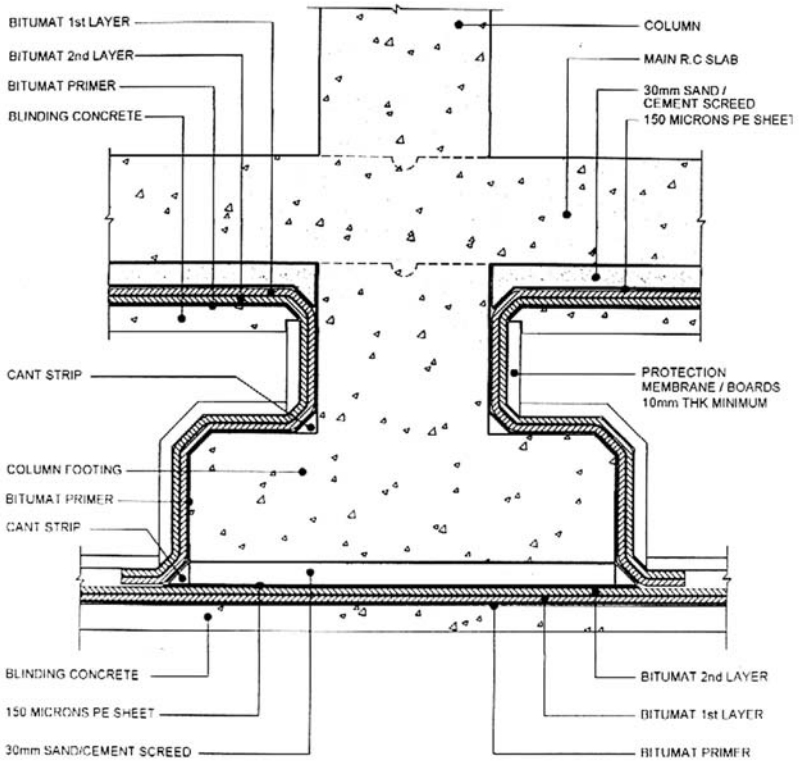
TWO LAYER EXPOSED SYSTEM
(BITUMAT TECHNICAL DRAWING)



OVER STEEL DECK

BITUMAT بيتومات

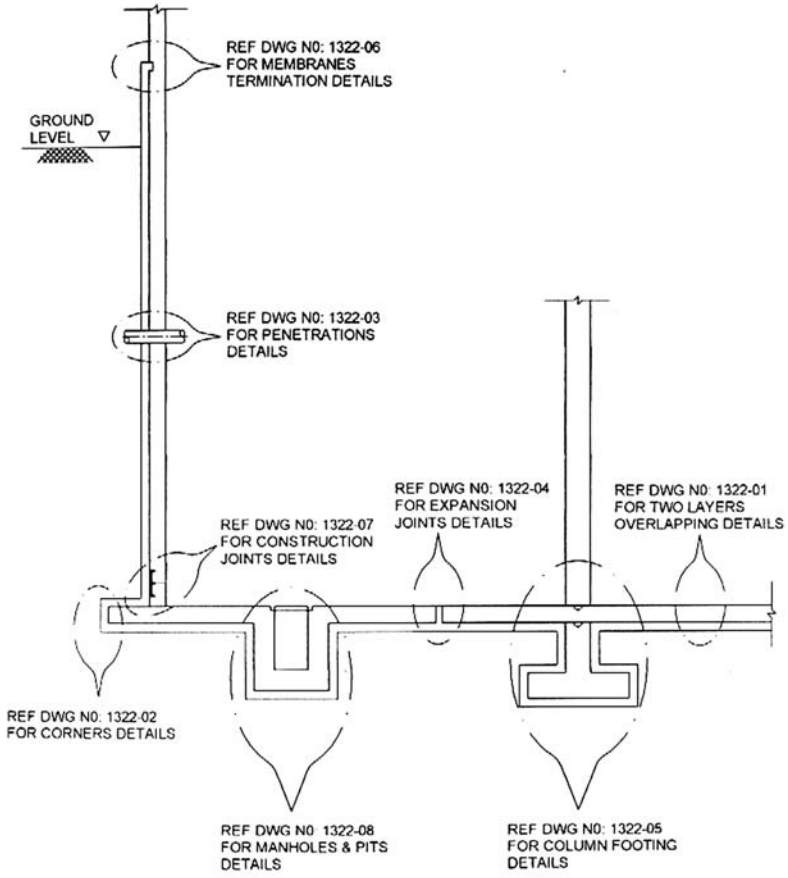
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



UNDERGROUND BASEMENT

BITUMAT بيتومات

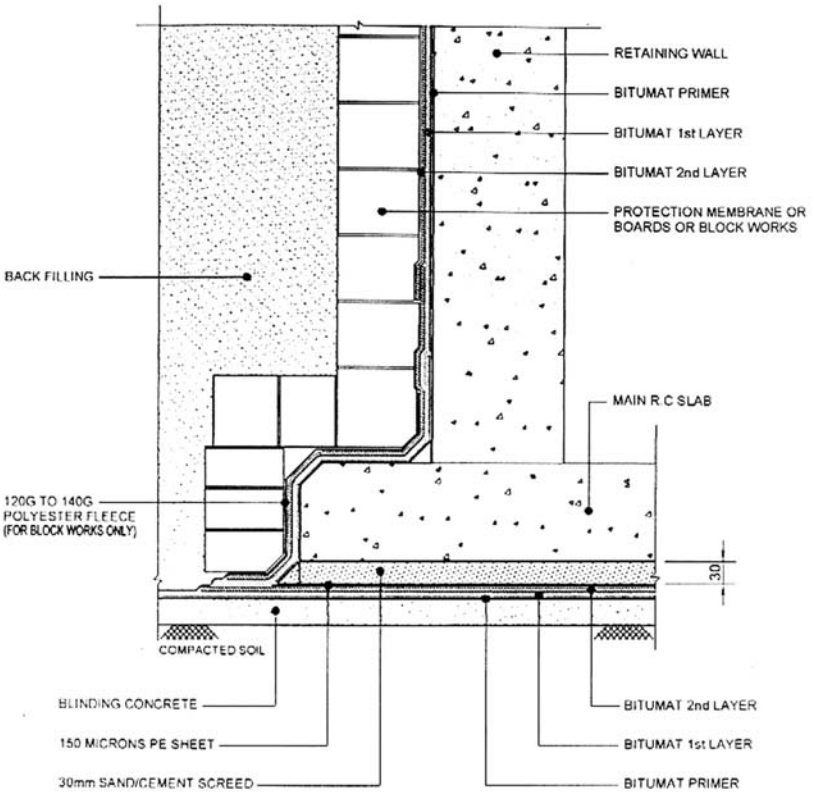
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



KEY TO DETAILS

BITUMAT بيتومات

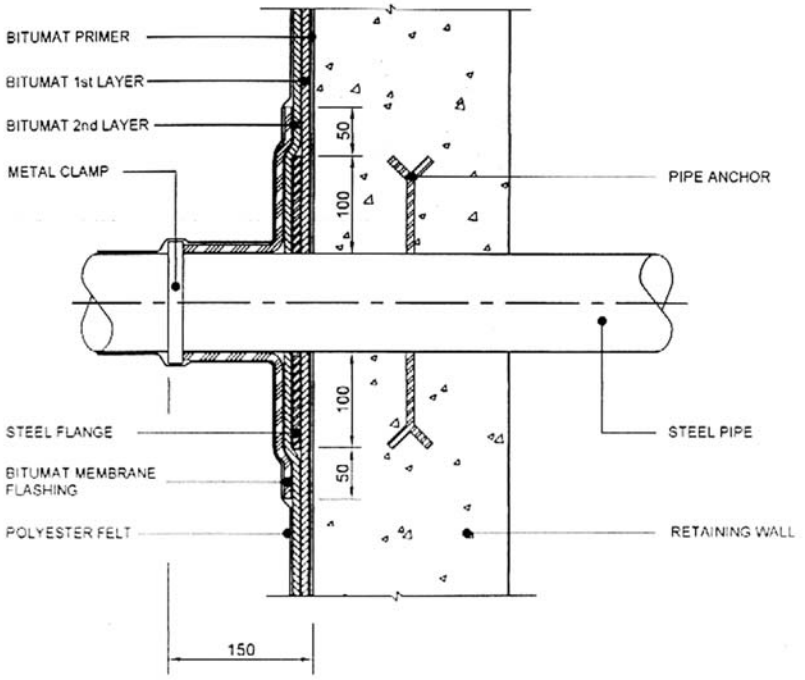
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



UNDERGROUND BASEMENT 2

BITUMAT بيتومات

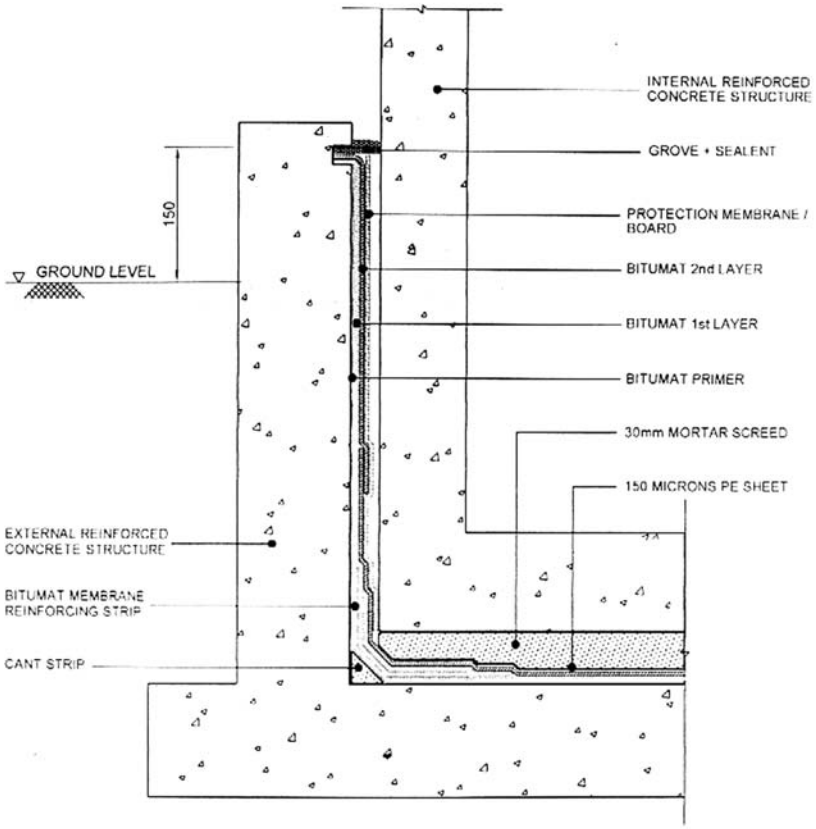
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



PENETRATIONS

BITUMAT بيتومات

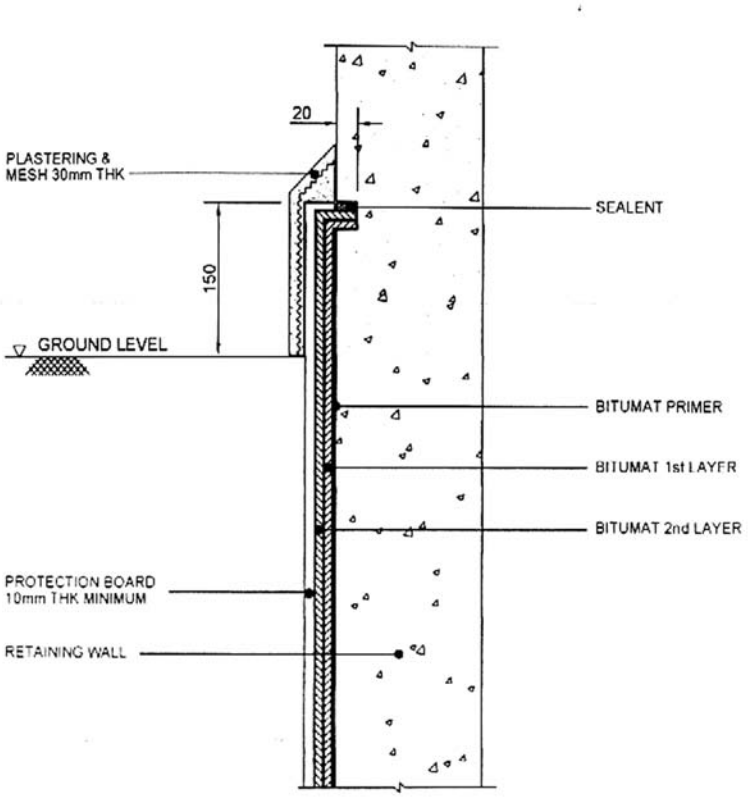
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL SECTION

BITUMAT بيتومات

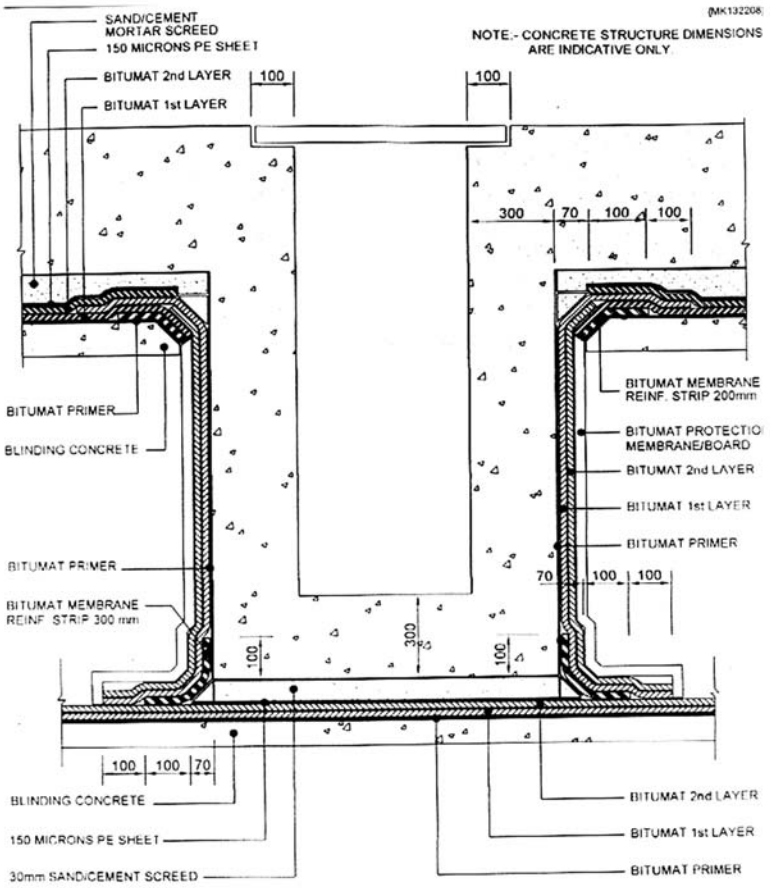
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



MEMBRANES VERTICAL TERMINATION

BITUMAT بيتومات

UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)

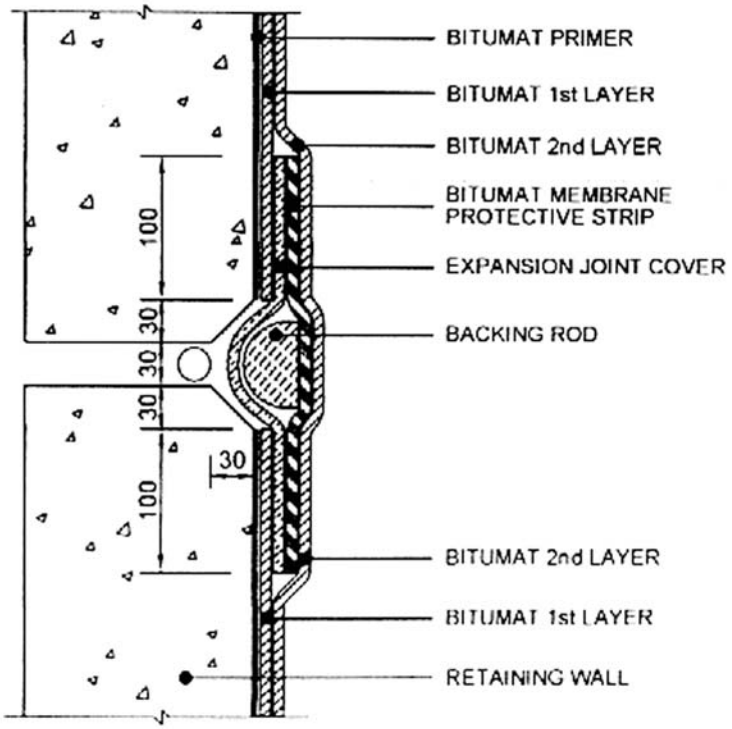


TYPICAL MANHOLE SECTION

BITUMAT بيتومات

UNDERGROUND TANKING SYSTEM

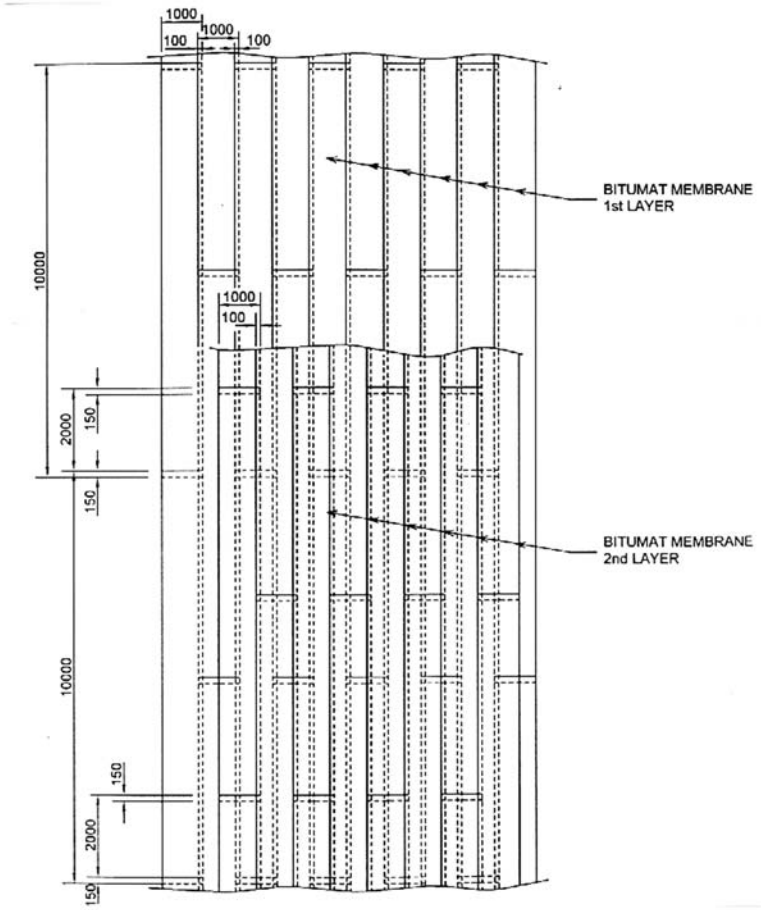
(BITUMAT TECHNICAL DRAWING)



EXPANSION JOINTS

BITUMAT بيتومات

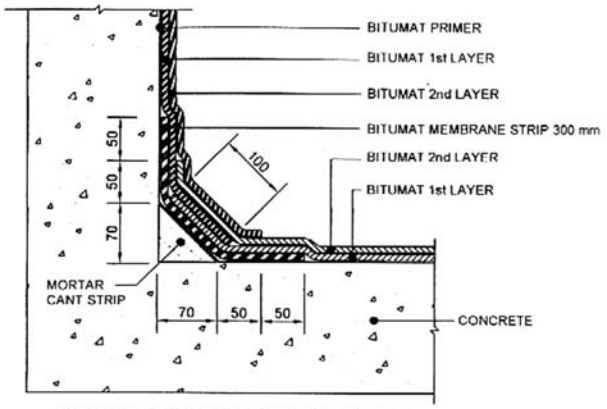
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



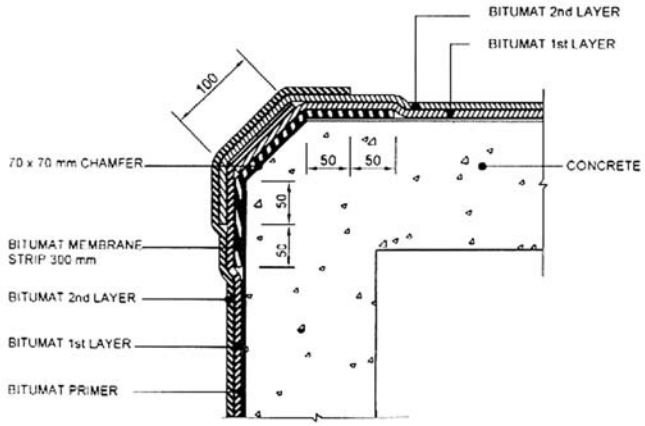
TOP VIEW: OVERLAPPING METHOD

BITUMAT بيتومات

UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



INTERNAL CORNER

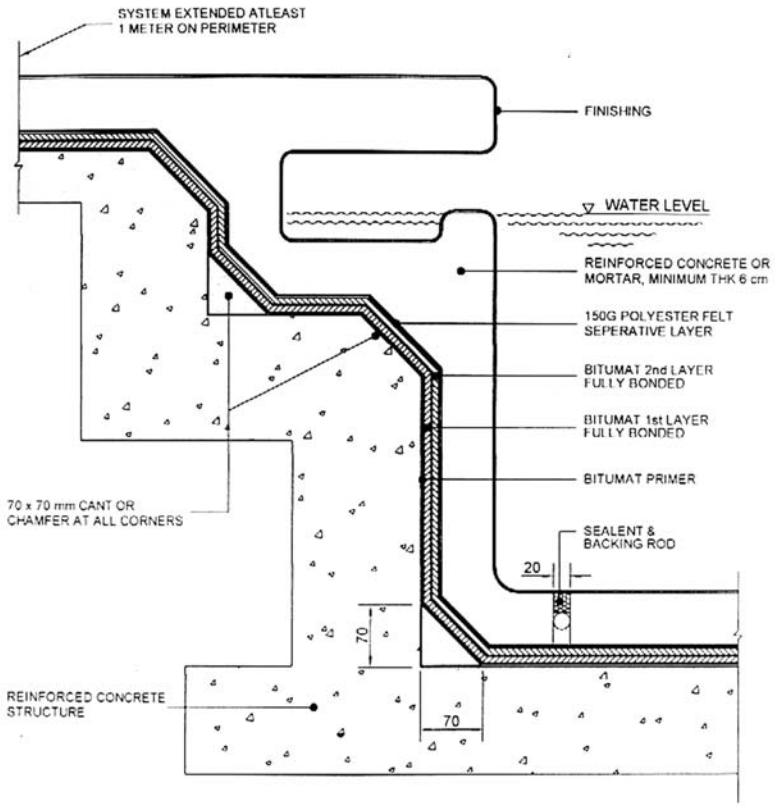


EXTERNAL CORNER

CORNER DETAILS (INTERNAL & EXTERNAL)

BITUMAT بيتومات

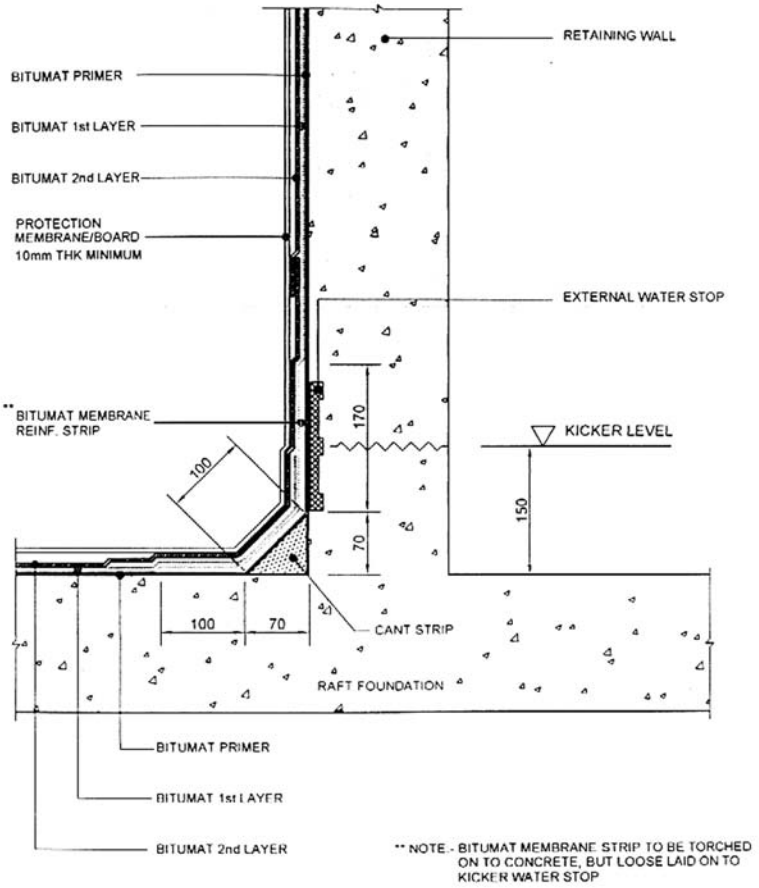
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



SWIMMING POOL WATERPROOFING

BITUMAT بيتومات

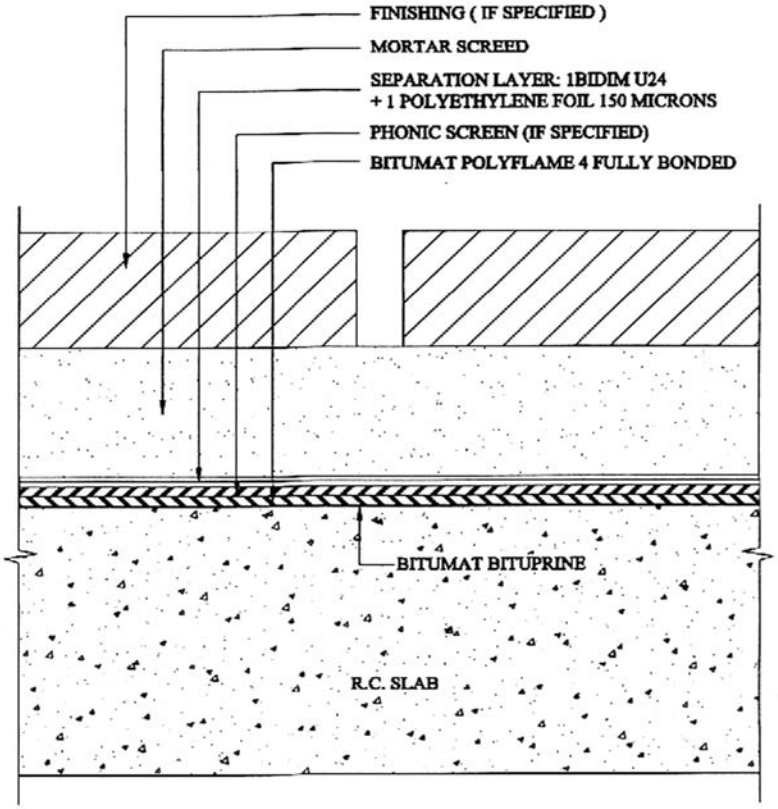
UNDERGROUND TANKING SYSTEM
(BITUMAT TECHNICAL DRAWING)



CONSTRUCTION JOINTS

BITUMAT بيتومات

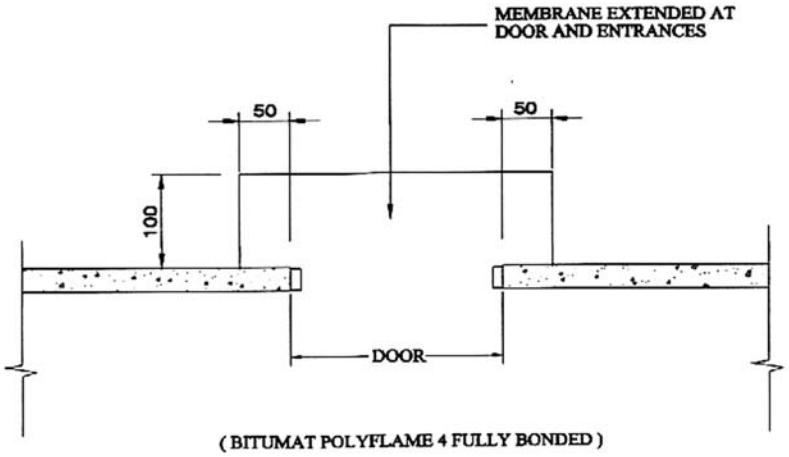
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL SECTION

BITUMAT بيتومات

WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



(BITUMAT POLYFLAME 4 FULLY BONDED)

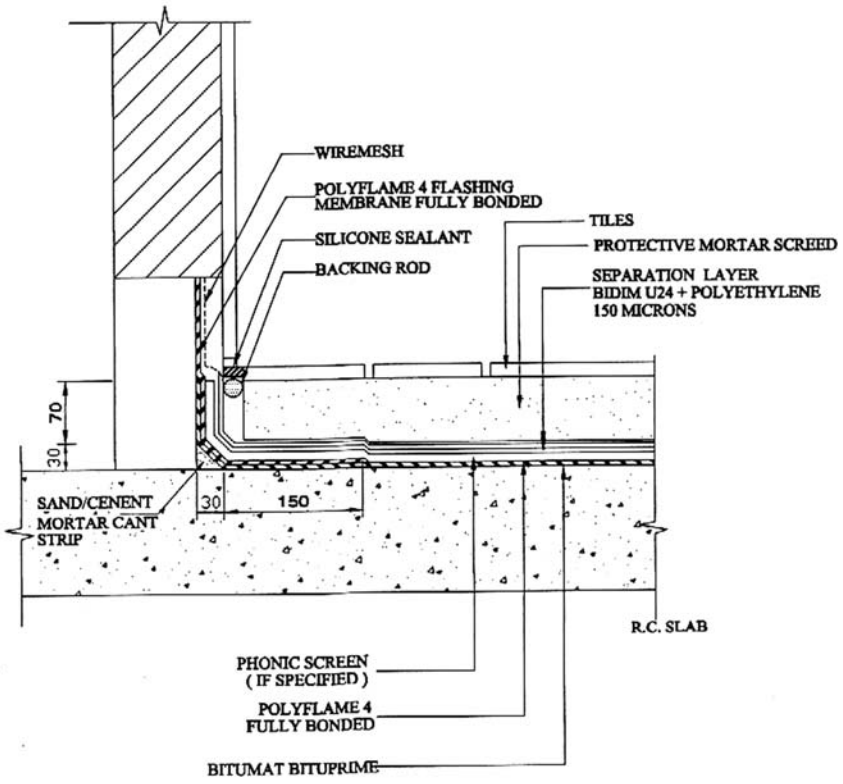
WET ROOM

TOP VIEW

MEMBRANE TERMINATION AT DOOR

BITUMAT بيتومات

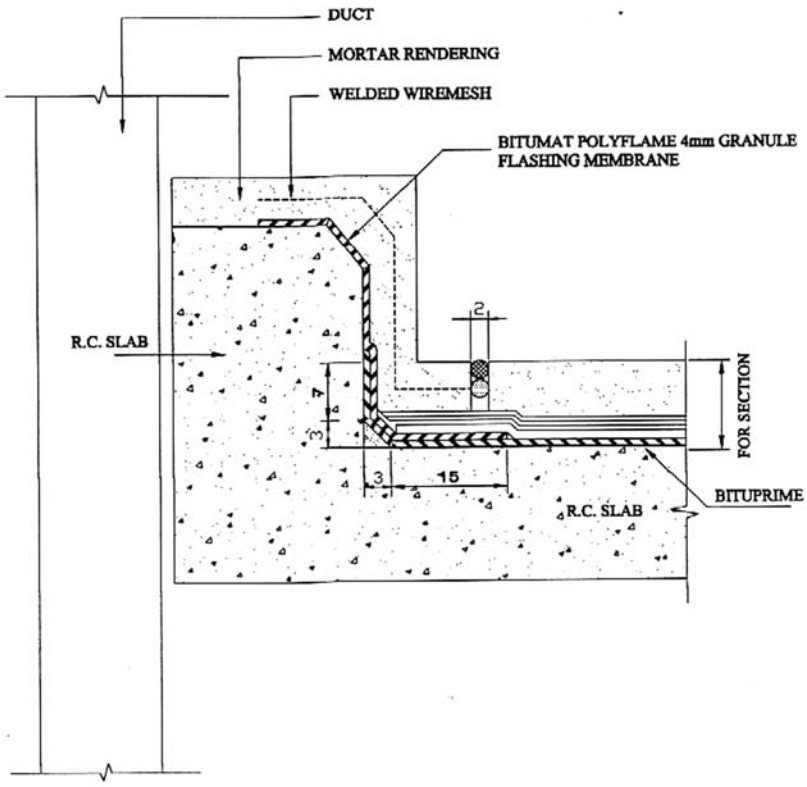
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL BATHROOM UPSTAND

BITUMAT بيتومات

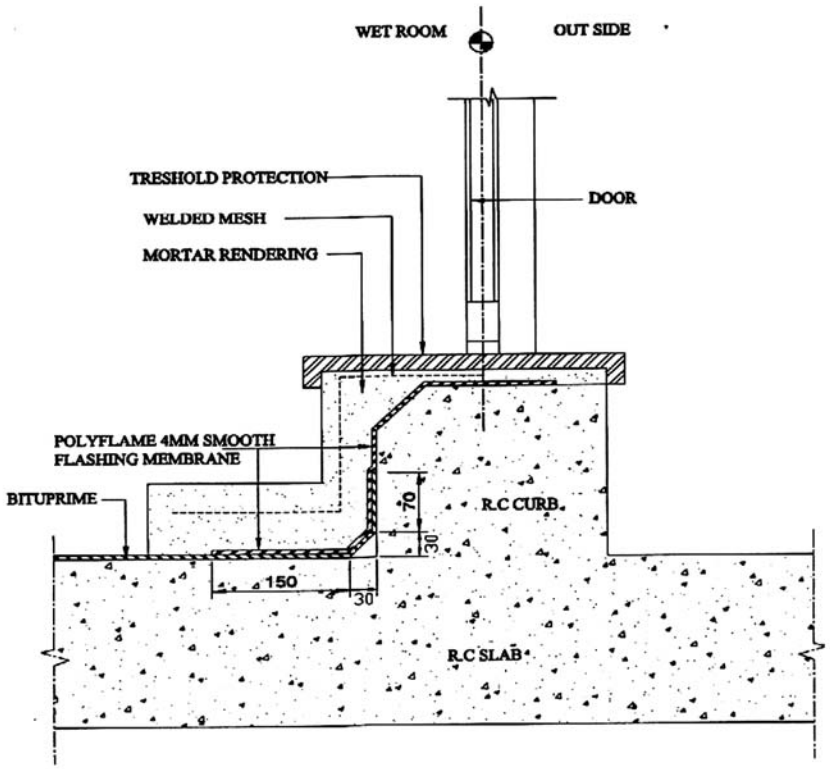
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



DUCT PENETRATION

BITUMAT بيتومات

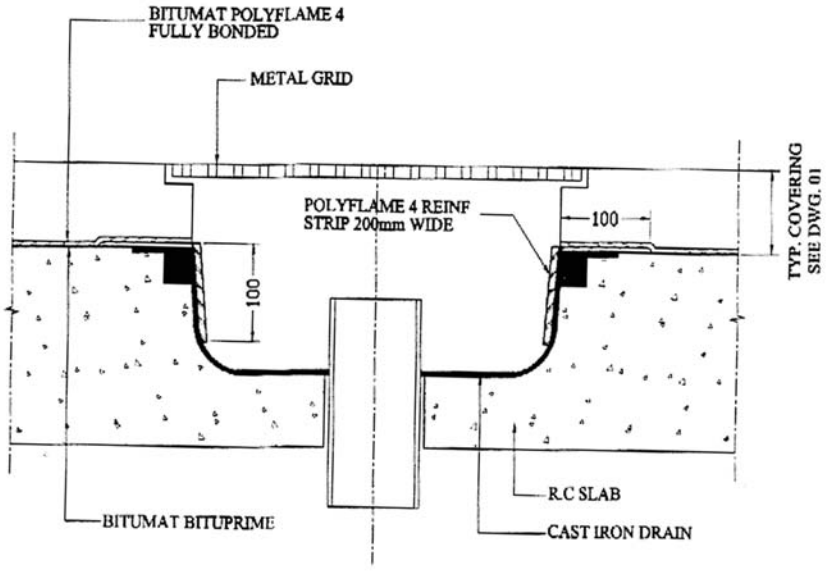
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



THRESHOLD

BITUMAT بيتومات

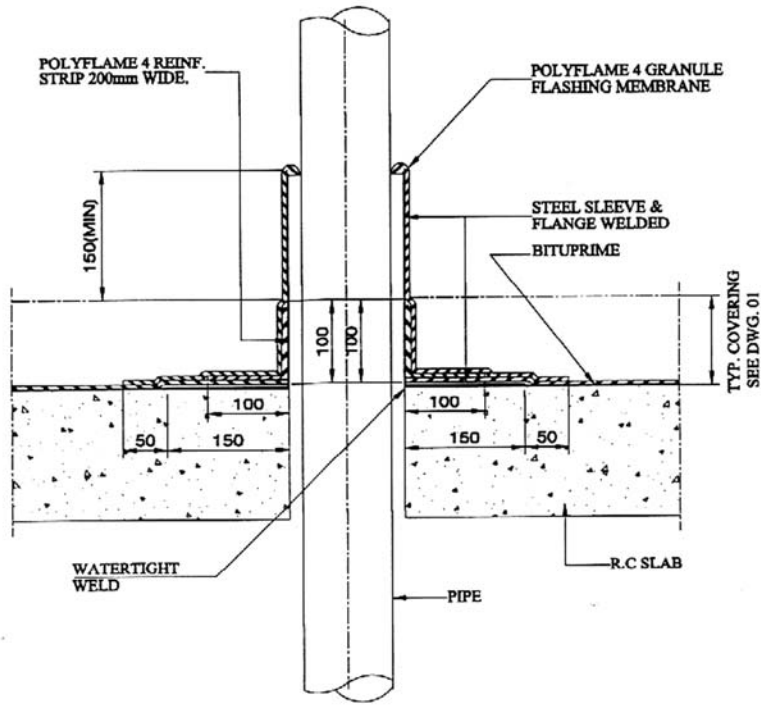
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



DRAIN

BITUMAT بيتومات

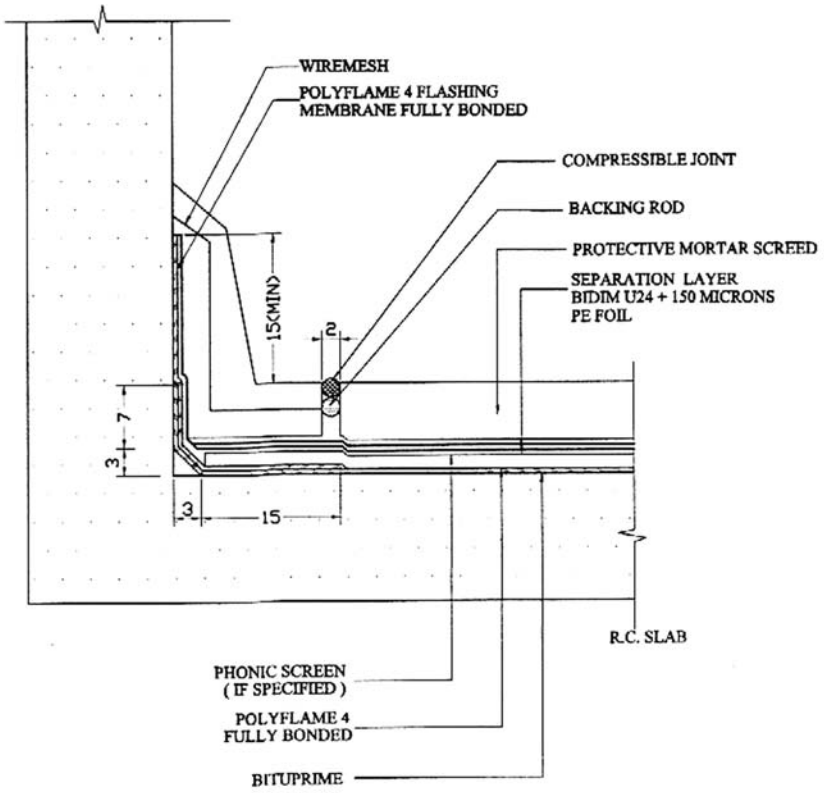
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



PIPE PENETRATION

BITUMAT بيتومات

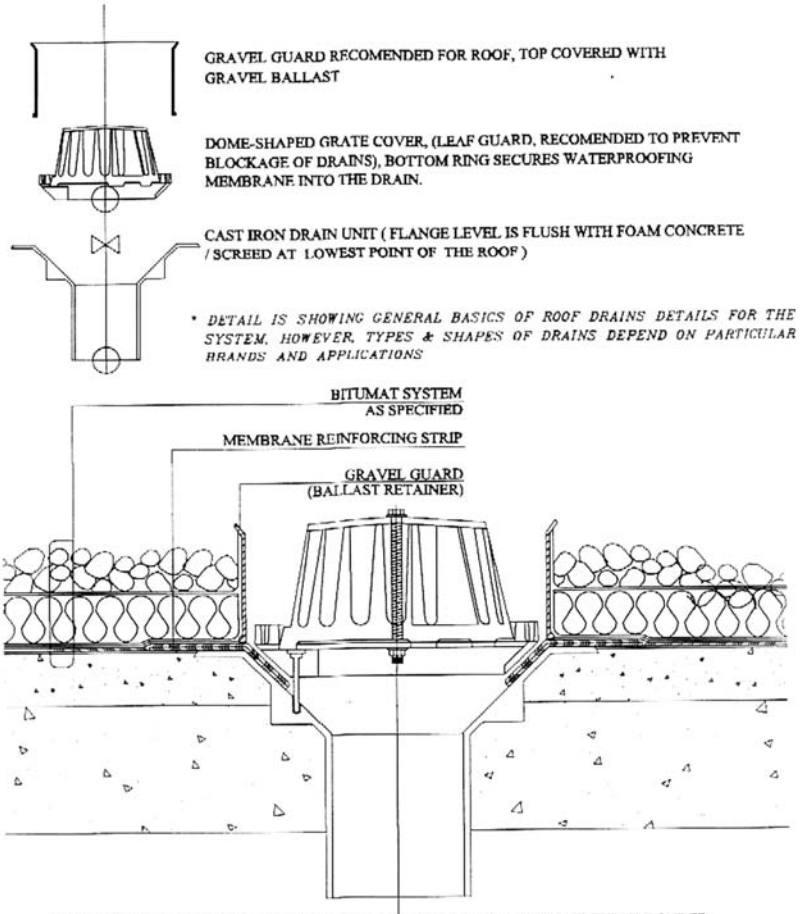
WET ROOMS WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL TECHNICAL ROOM UPSTAND

BITUMAT بيتومات

DRAIN DETAIL
(BITUMAT TECHNICAL DRAWING)

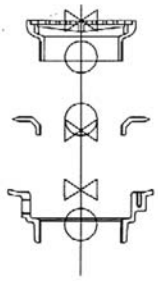


* FOR LOOSE LAID SYSTEM 300 MM AROUND THE ROOF DRAIN SHALL BE FULLY BONDED.

NON-ACCESSIBLE ROOF

BITUMAT بيتومات

DRAIN DETAIL
(BITUMAT TECHNICAL DRAWING)

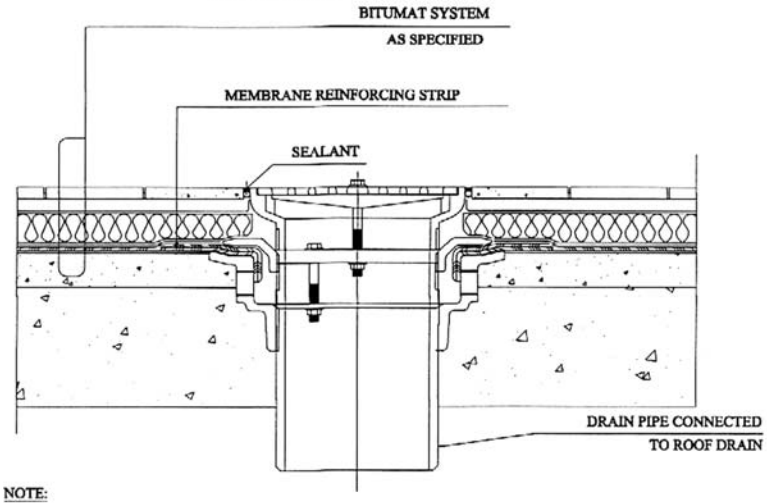


EXTENDED FLAT ROOF COVER

CLAMPING RING

CAST IRON DRAIN UNIT (FLANGE LEVEL IS FLUSH WITH FOAM CONCRETE / SCREED AT LOWEST POINT OF THE ROOF)

* DETAIL IS SHOWING GENERAL BASICS OF ROOF DRAINS DETAILS FOR THE SYSTEM, HOWEVER, TYPES & SHAPES OF DRAINS DEPEND ON PARTICULAR BRANDS AND APPLICATIONS



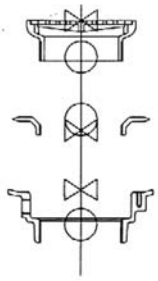
NOTE:

1. FOR LOOSE LAID SYSTEM 300 MM AROUND THE ROOF DRAIN SHALL BE FULLY BONDED.
2. CAST IRON DRAIN UNIT SHOULD ALLOW 100 MM MEMBRANE OVERLAP, SURFACE OF OUTLET IS TO BE PRIMED.

ACCESSIBLE / SERVICE ROOF

BITUMAT بيتومات

DRAIN DETAIL
(BITUMAT TECHNICAL DRAWING)

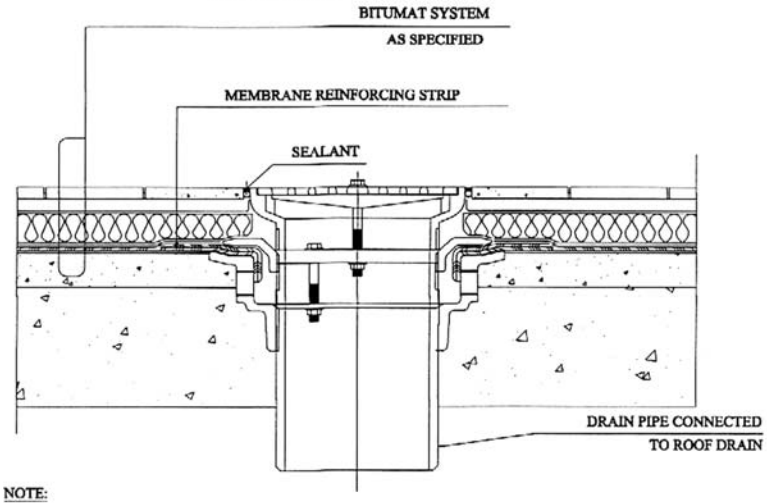


EXTENDED FLAT ROOF COVER

CLAMPING RING

CAST IRON DRAIN UNIT (FLANGE LEVEL IS FLUSH WITH FOAM CONCRETE / SCREED AT LOWEST POINT OF THE ROOF)

* DETAIL IS SHOWING GENERAL BASICS OF ROOF DRAINS DETAILS FOR THE SYSTEM, HOWEVER, TYPES & SHAPES OF DRAINS DEPEND ON PARTICULAR BRANDS AND APPLICATIONS



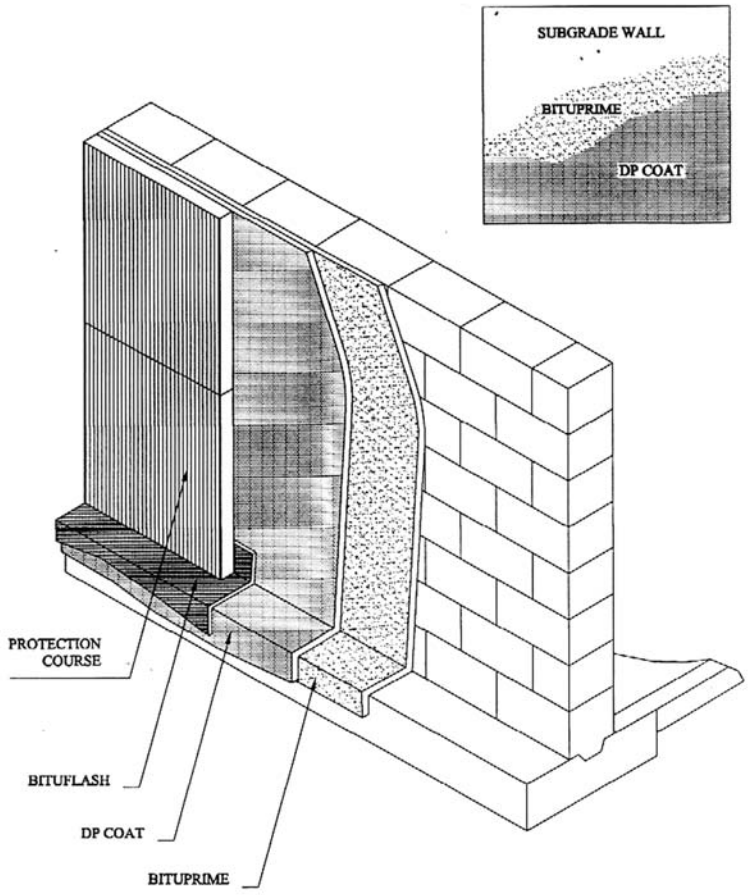
NOTE:

1. FOR LOOSE LAID SYSTEM 300 MM AROUND THE ROOF DRAIN SHALL BE FULLY BONDED.
2. CAST IRON DRAIN UNIT SHOULD ALLOW 100 MM MEMBRANE OVERLAP, SURFACE OF OUTLET IS TO BE PRIMED.

ACCESSIBLE / SERVICE ROOF

BITUMAT بيتومات

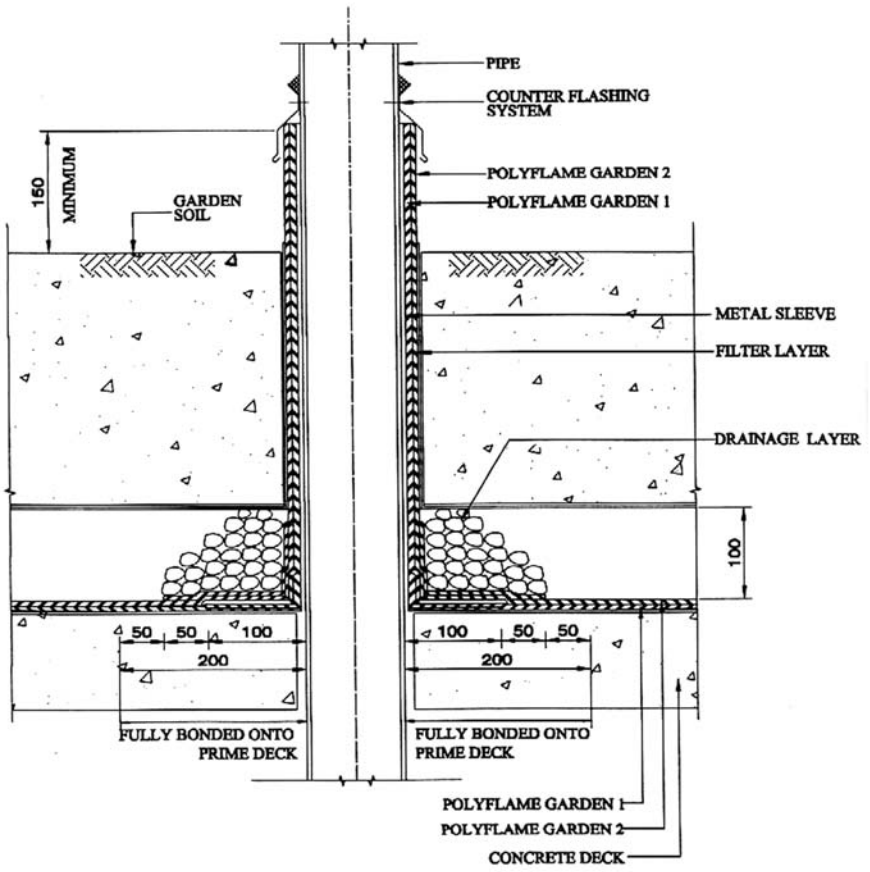
DRAIN DETAIL
(BITUMAT TECHNICAL DRAWING)



DAMP PROOFING-DP COAT SYSTEM

BITUMAT بيتومات

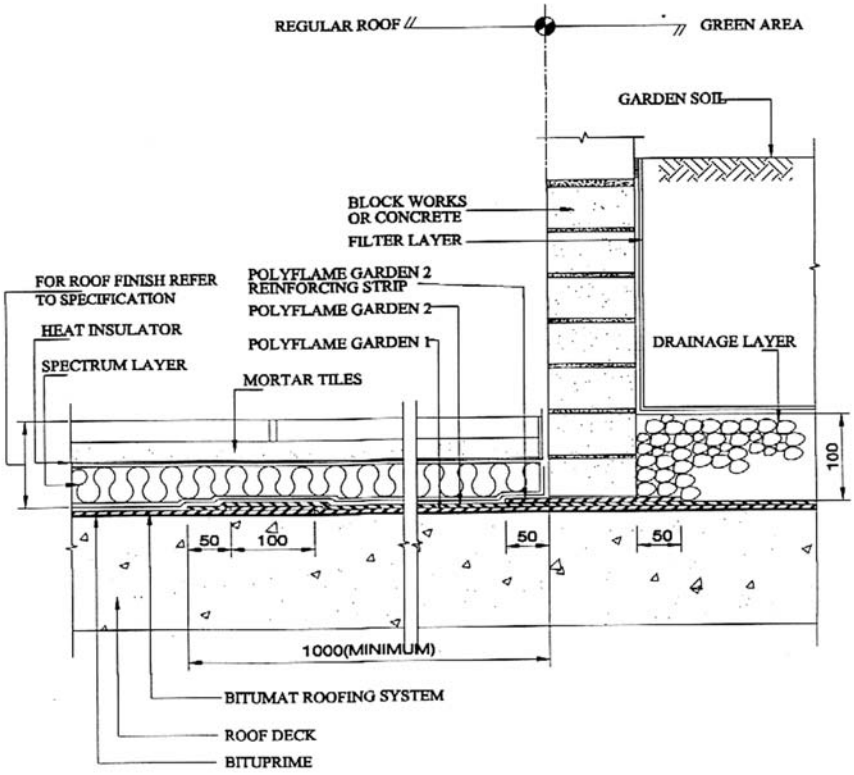
ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



PIPE PENETRATION

BITUMAT بيتومات

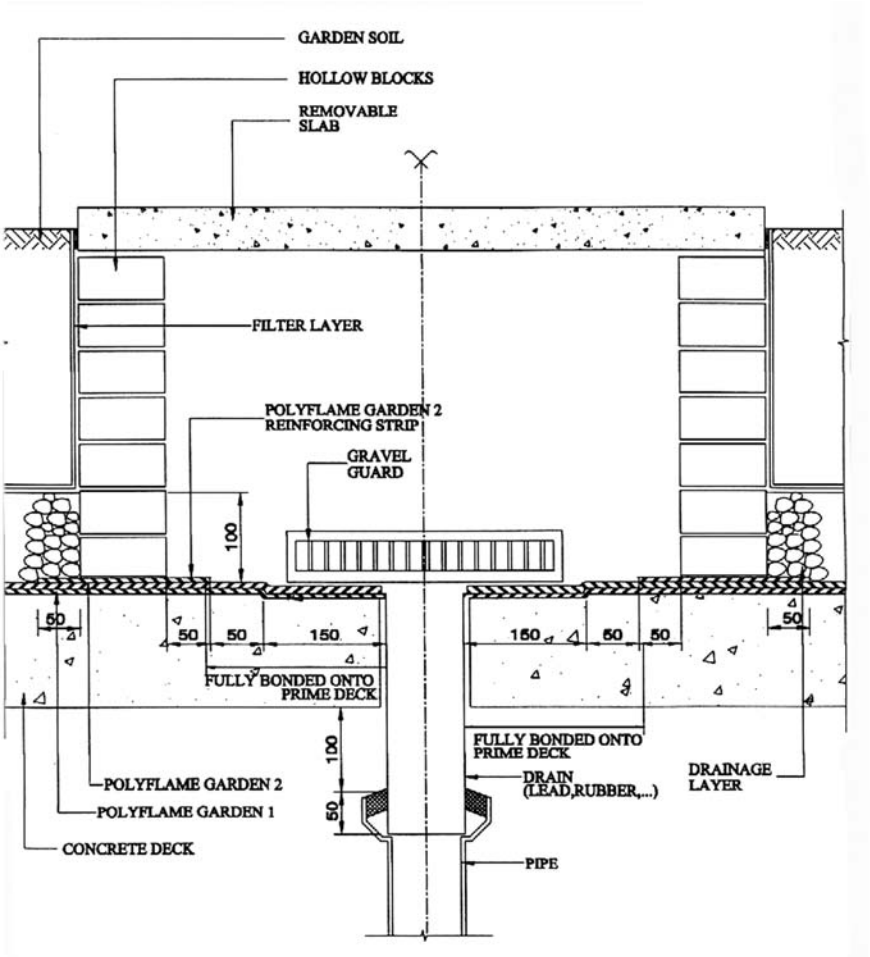
ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



LOCALIZED GREEN AREA

BITUMAT بيتومات

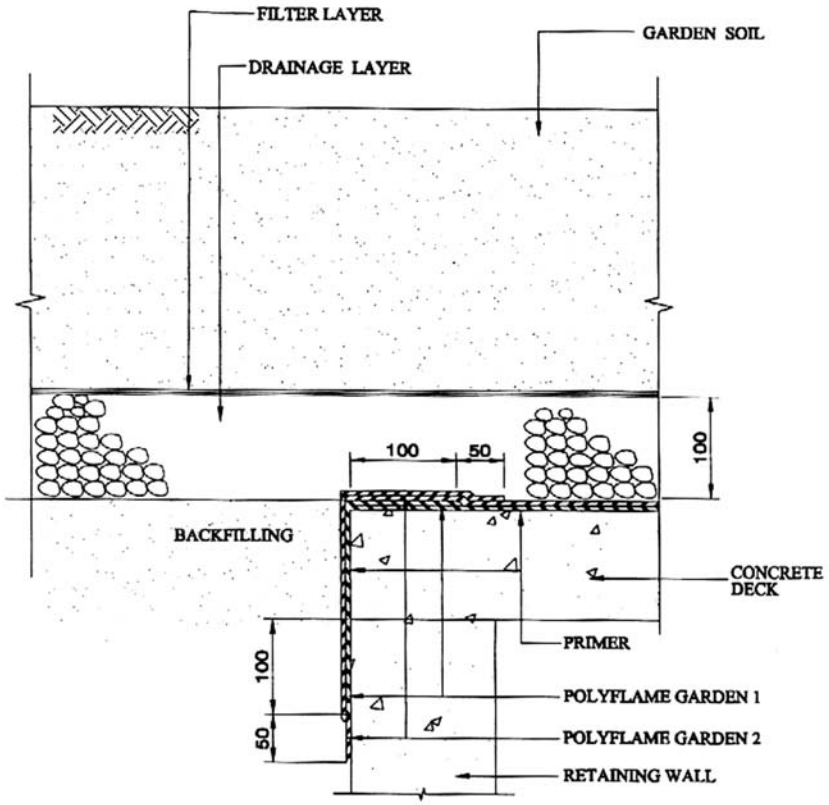
ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



DRAIN

BITUMAT بيتومات

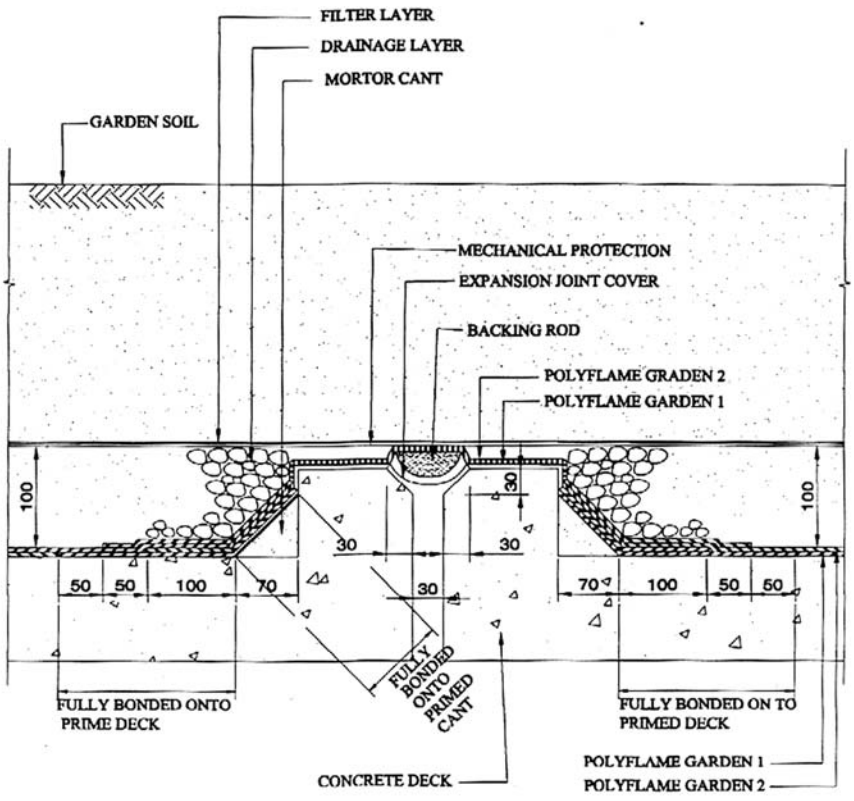
ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



EDGE FLASHING

BITUMAT بيتومات

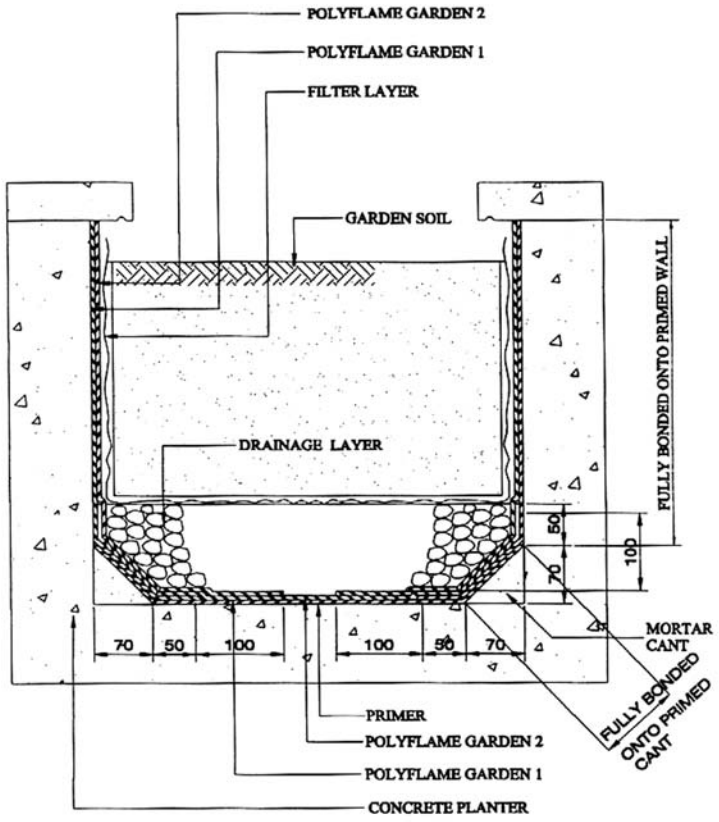
ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



EXPANSION JOINT

BITUMAT بيتومات

ROOF GARDEN WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)

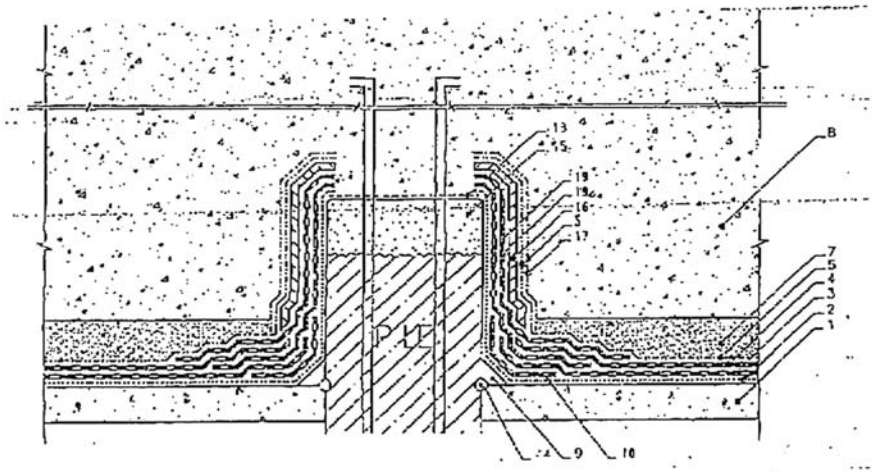


NOTE: FOR EASE OF INSTALLATION, POLYFLAME GARDEN 1 MAY BE FULLY BONDED HORIZONTALLY.

SMALL PLANTER

BITUMAT بيتومات

PILE TREATMENT
(BITUMAT TECHNICAL DRAWING)

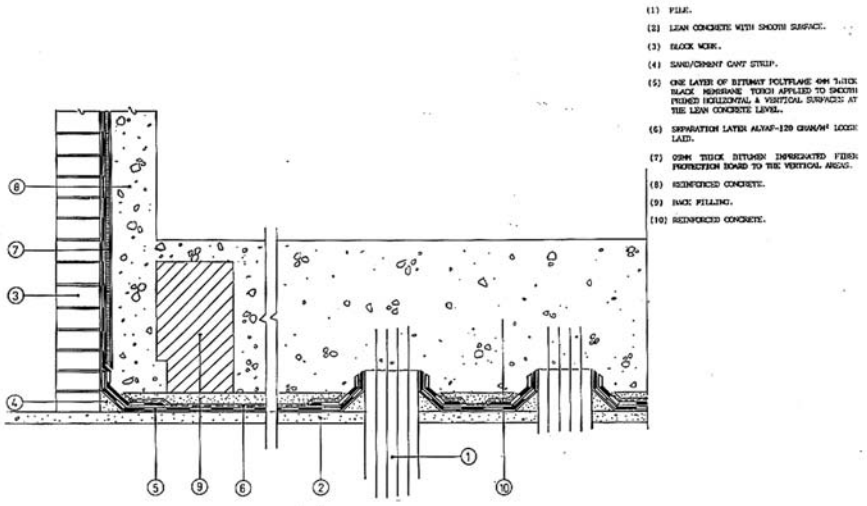


1. CONCRETE BLINDING
2. SOLVENT BASE PRIMER, CONFORMING TO ASTM D-41
3. FIRST LAYER "POLYFLAME", 3 mm THICK, APP MODIFIED BITUMINOUS WATERPROOFING MEMBRANE, REINFORCED WITH POLYESTER, FULLY BONDED, TORCH APPLIED
4. SECOND LAYER "POLYFLAME" 4 mm THICK, APP MODIFIED BITUMINOUS WATERPROOFING MEMBRANE, DOUBLE REINFORCED WITH POLYESTER-&-FIBERGLASS, FULLY BONDED, TORCH APPLIED
5. PROTECTION LAYER OF NON-WOVEN GEOTEXTILE SHEET, "TYPAR" 136 g/sqm., LOOSE LAID
7. SCREED PROTECTION (BY OTHERS)
8. R.C. SLAB (BY OTHERS)
9. 50 x 50 mm MORTAR CANTSTRIP (BY OTHERS)
10. REINFORCING STRIP "POLYFLAME" 4 mm THICK, APP MODIFIED BITUMINOUS WATERPROOFING MEMBRANE, REINFORCED WITH POLYESTER, 300 mm GIRTH, AROUND PILE NECK, FULLY BONDED, TORCH APPLIED
14. HYDRAULIC CEMENT CANTSTRIP REINFORCMENT
15. "MASTERFLOW 524 GP" OR "CONBEXTRA GP" NON-SHRINK CEMENTITIOUS GROUT TO LEVEL AND HARDEN THE TOP FACE OF PILE NECK, 40 mm AVERAGE THICKNESS
16. "SURE-BOARD" PROTECTION BOARD, 2.5 mm THICK, SPOT BONDED
17. PROTECTION LAYER OF POLYETHYLENE SHEET, 300 MICRON
18. TWO COATS OF "TILTI CAX COAT" OR "BRUSH BOND"
19. DOUBLE LAYER "POLYFLAME", 4 mm THICK, APP MODIFIED BITUMINOUS WATERPROOFING MEMBRANE, REINFORCED WITH POLYESTER, FULLY BONDED TORCH APPLIED

PILE TREATMENT 01

BITUMAT بيتومات

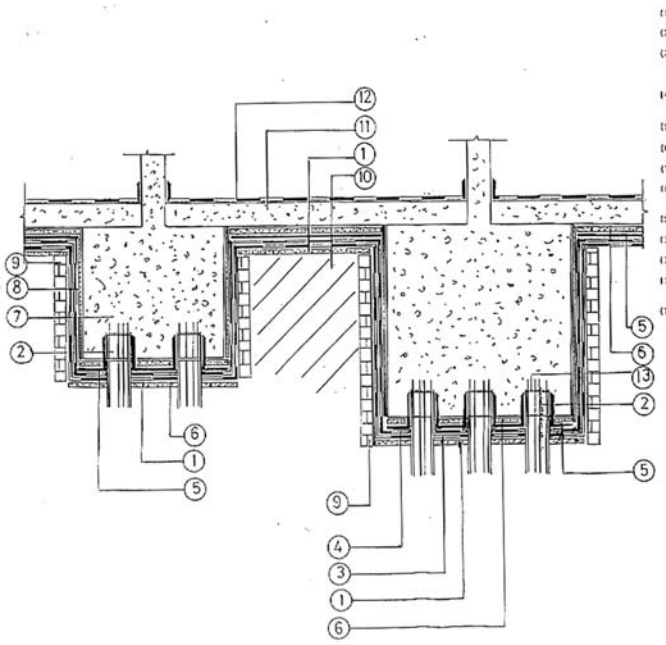
PILE TREATMENT
(BITUMAT TECHNICAL DRAWING)



PILE TREATMENT 02

BITUMAT بيتومات

PILE TREATMENT
(BITUMAT TECHNICAL DRAWING)

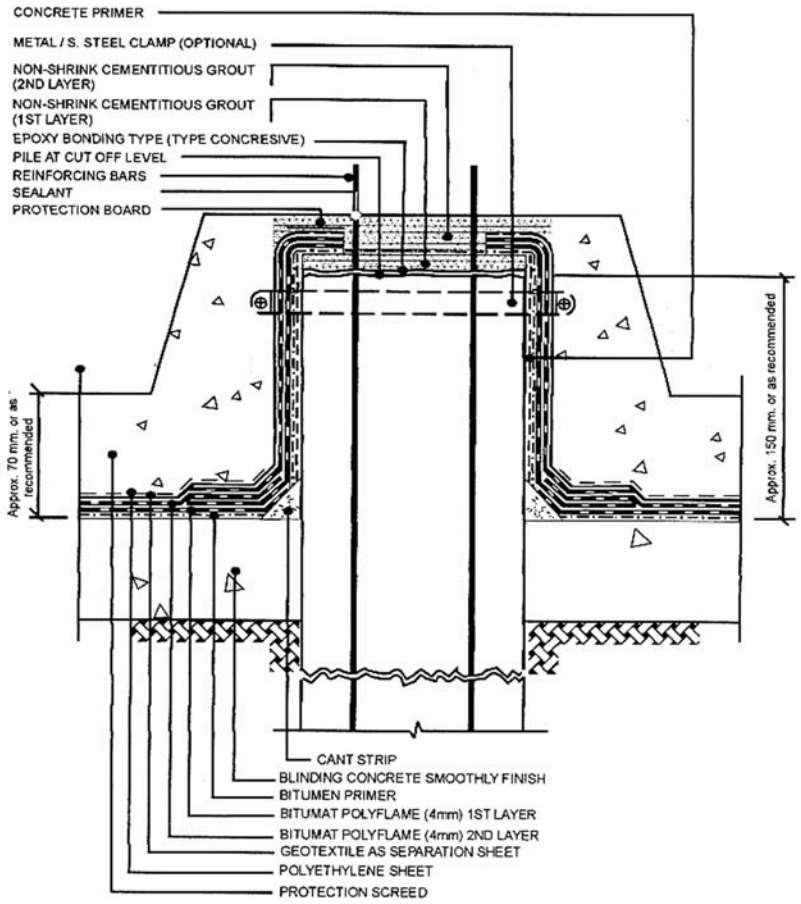


PILE TREATMENT 03

BITUMAT بيتومات

PILE TREATMENT
(BITUMAT TECHNICAL DRAWING)

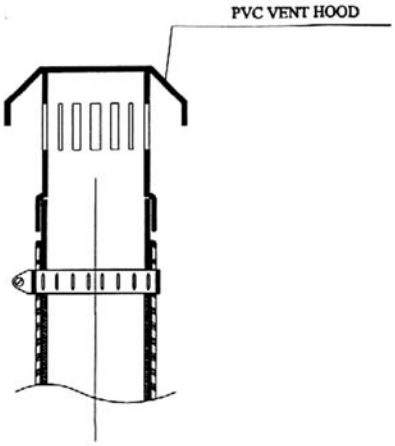
(Treatment Over Pile Head)



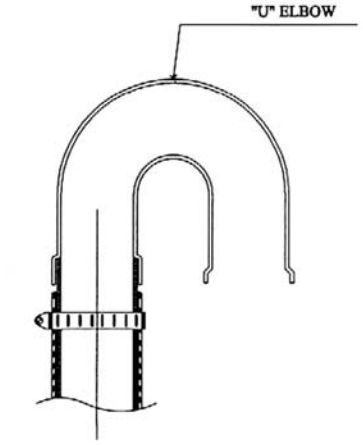
PILE TREATMENT 04

BITUMAT بيتومات

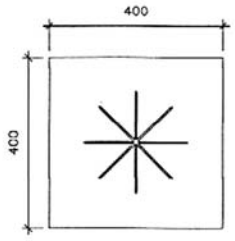
PIPE PENETRATION
(BITUMAT TECHNICAL DRAWING)



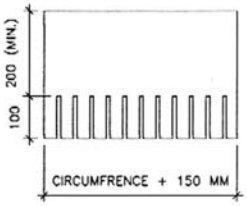
VENT PIPE
TERMINATION



CABLE PENETRATION OR
A/C CONDUIT TERMINATION



STAR-CUT DETAIL
FOR PIPE DRESSING

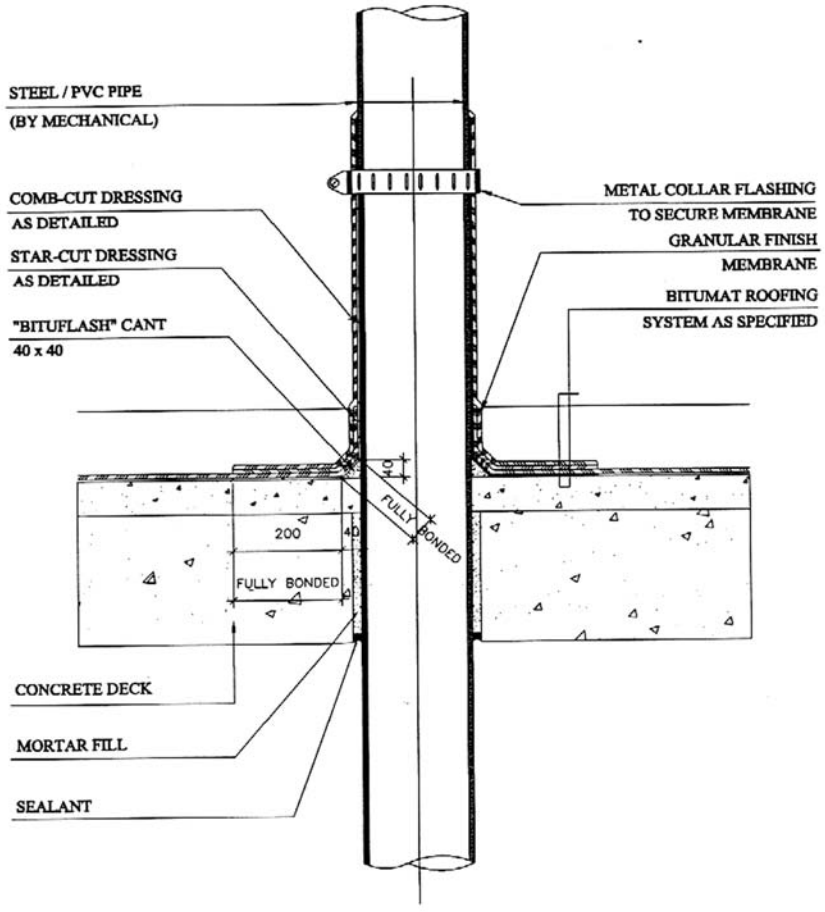


COMB-CUT DETAIL
FOR PIPE DRESSING

CONCRETE DECK-DETAILS

BITUMAT بيتومات

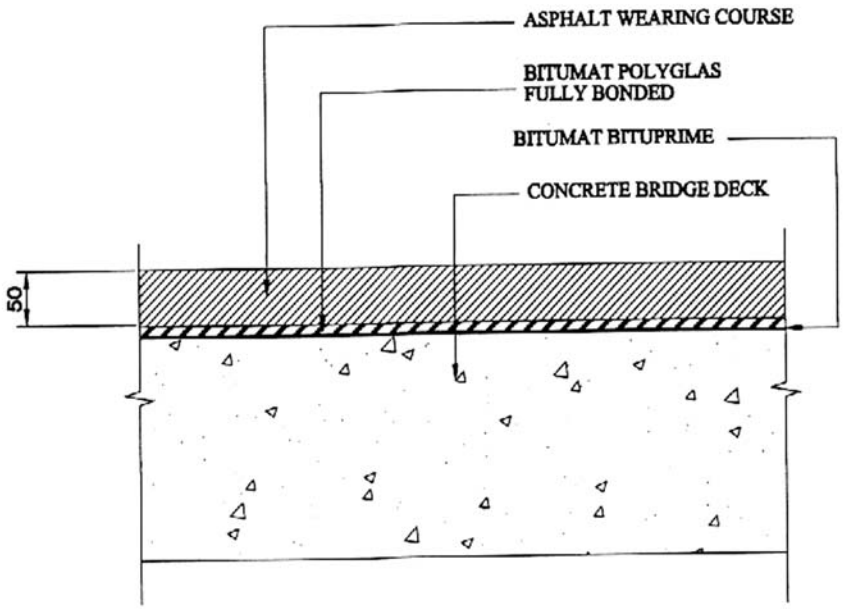
PIPE PENETRATION
(BITUMAT TECHNICAL DRAWING)



CONCRETE DECK-TYPICAL

BITUMAT بيتومات

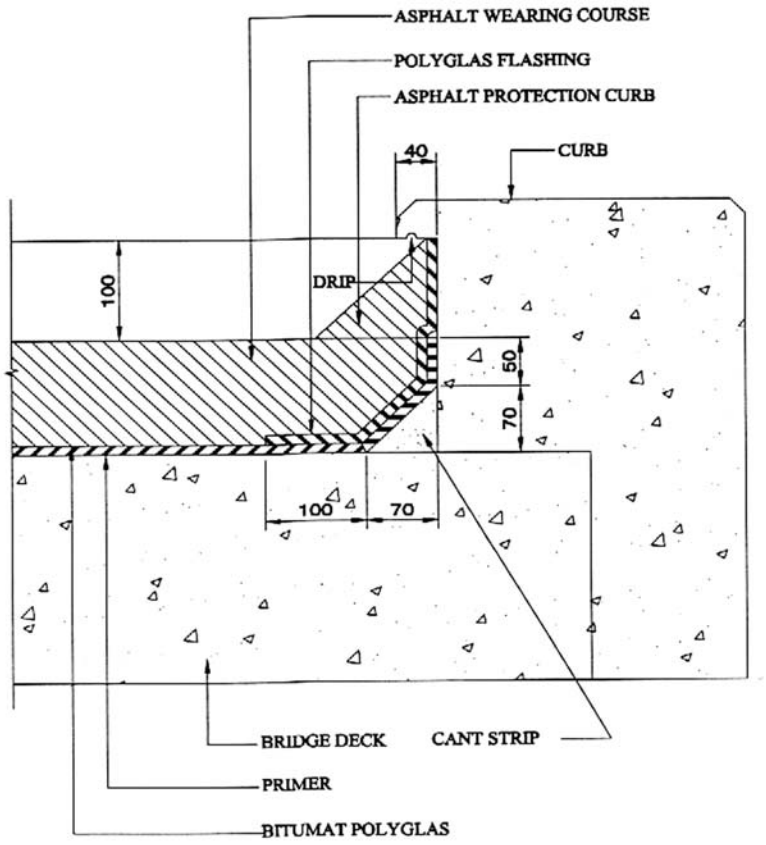
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



BRIDGE DECK WATERPROOFING SYSTEM

BITUMAT بيتومات

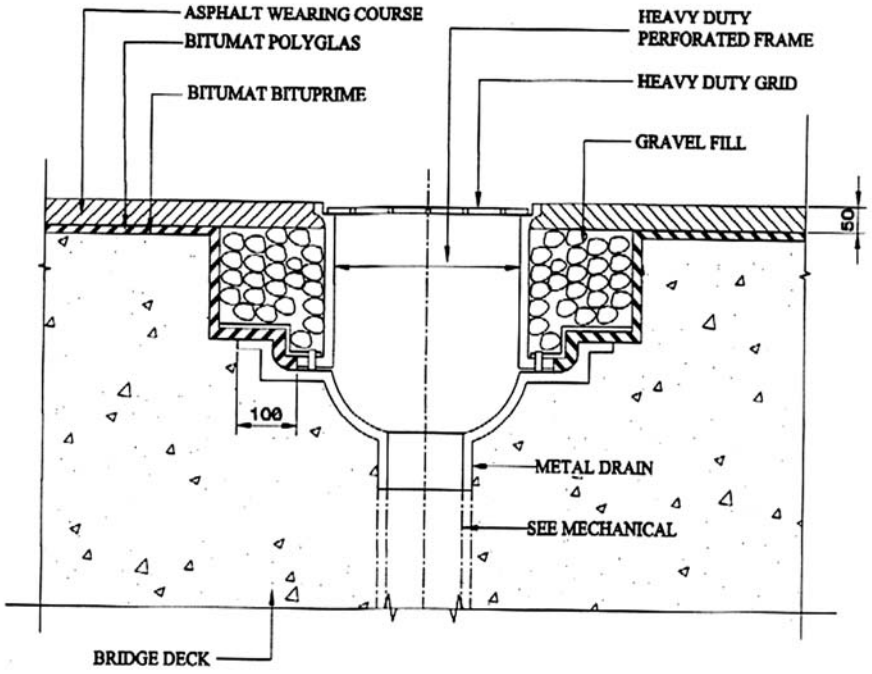
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL FLASHING

BITUMAT بيتومات

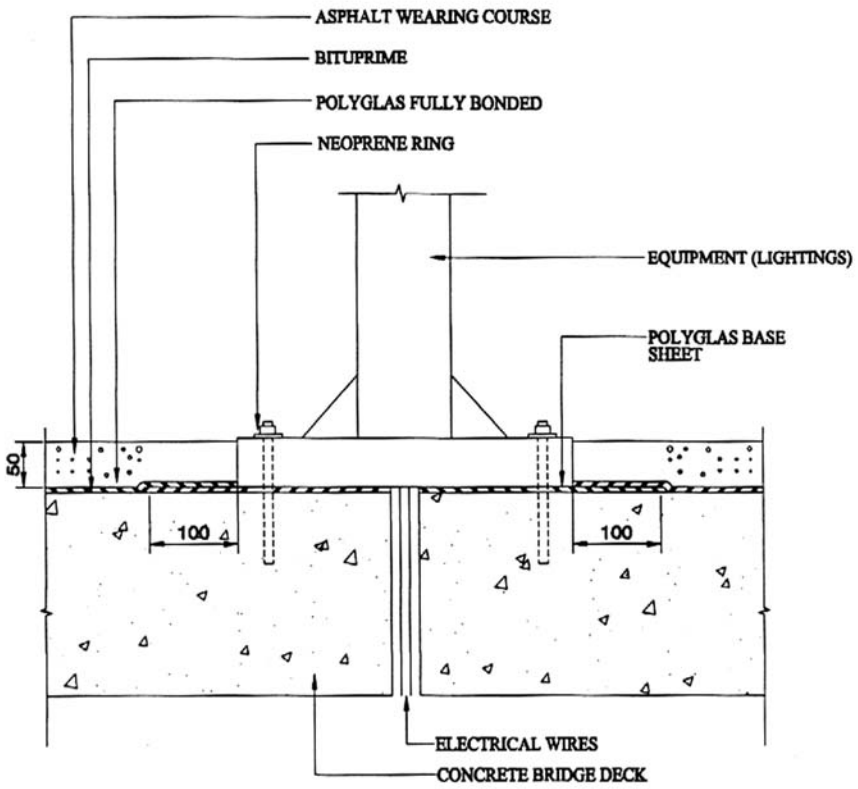
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



DRAINS

BITUMAT بيتومات

BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)

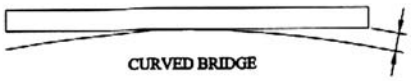


PENETRATION

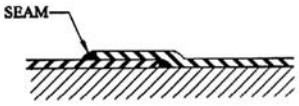
BITUMAT بيتومات

BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)

POLYGLAS LAID IN PARALLEL TO TRAFFIC



END LAPS STAGGERED

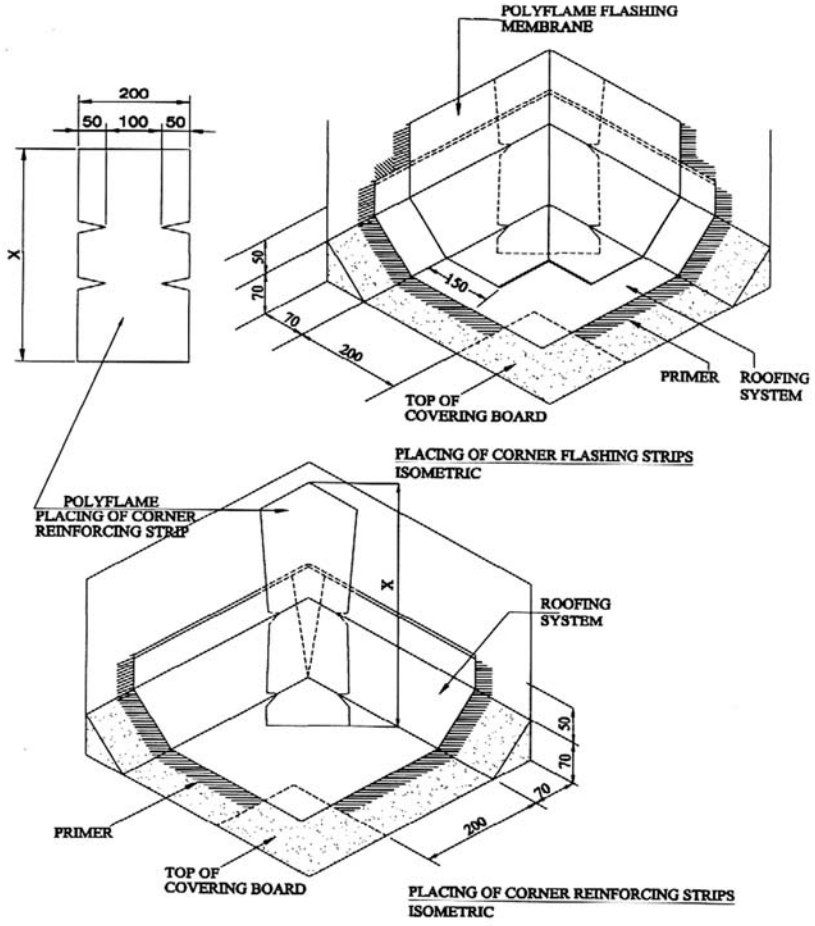


RESEAMED OVERLAPS

MEMBRANE LAYOUT

BITUMAT بيتومات

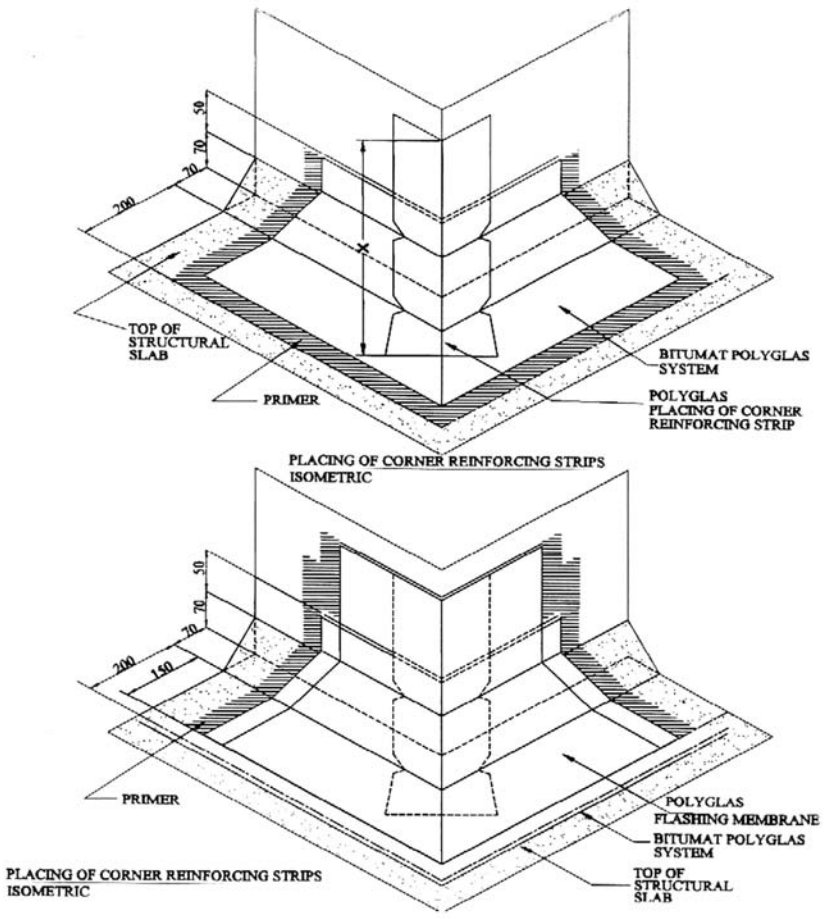
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



INTERNAL CORNER

BITUMAT بيتومات

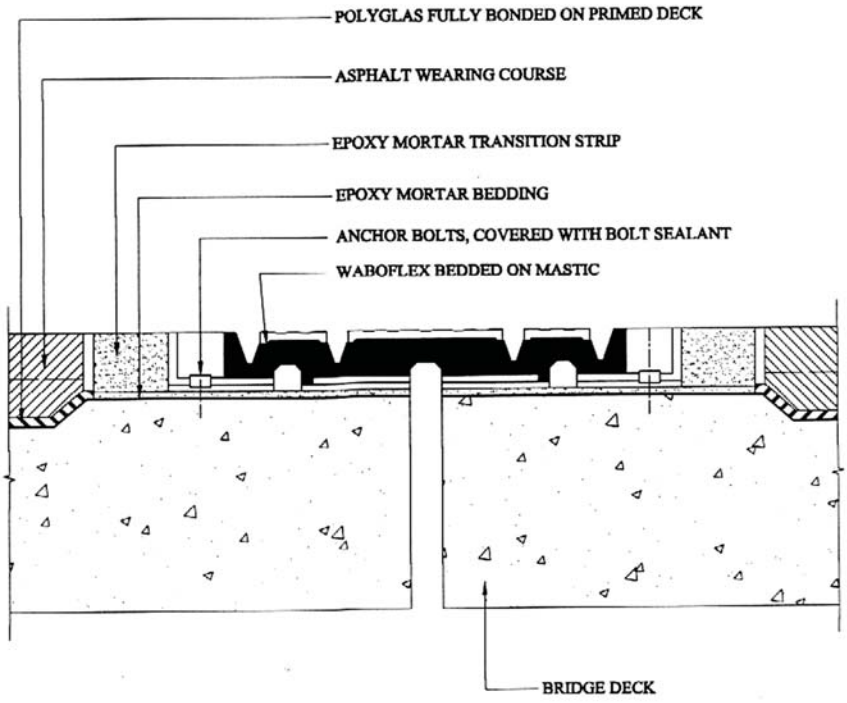
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



EXTERNAL CORNER

BITUMAT بيتومات

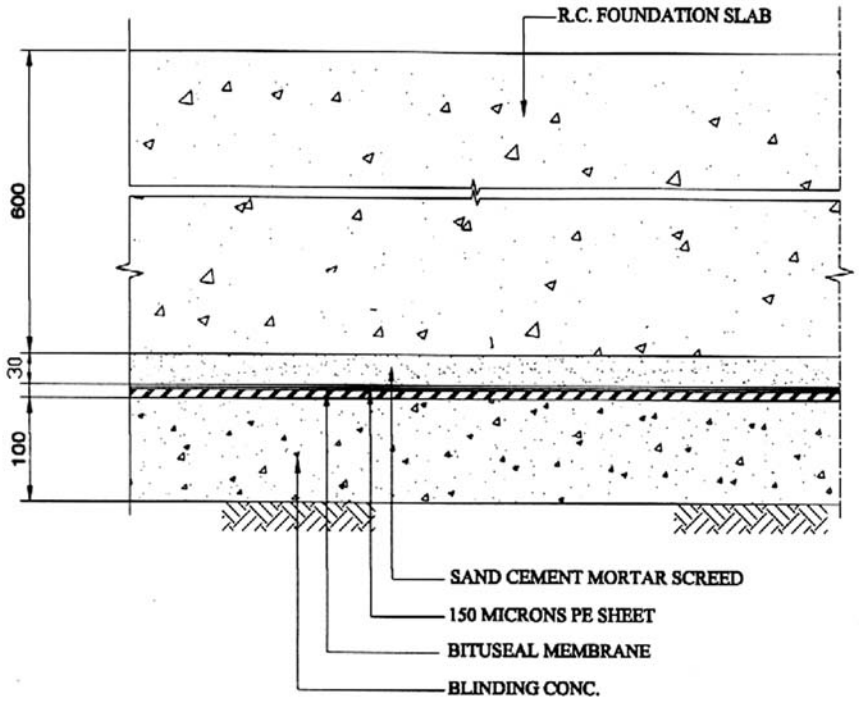
BRIDGE DECK WATERPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



EXPANSION JOINTS

BITUMAT بيتومات

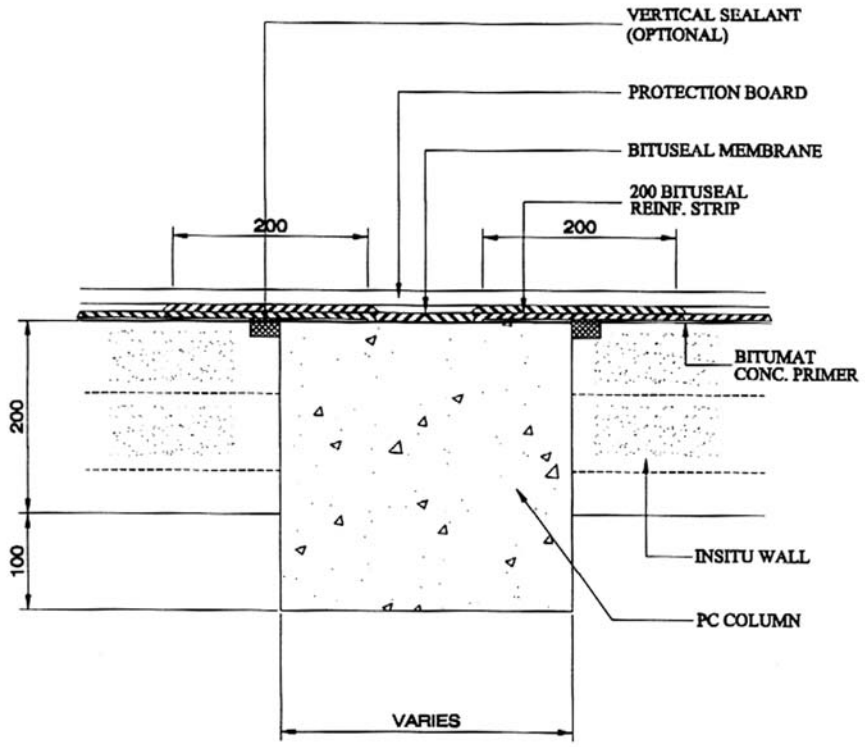
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL SECTION

BITUMAT بيتومات

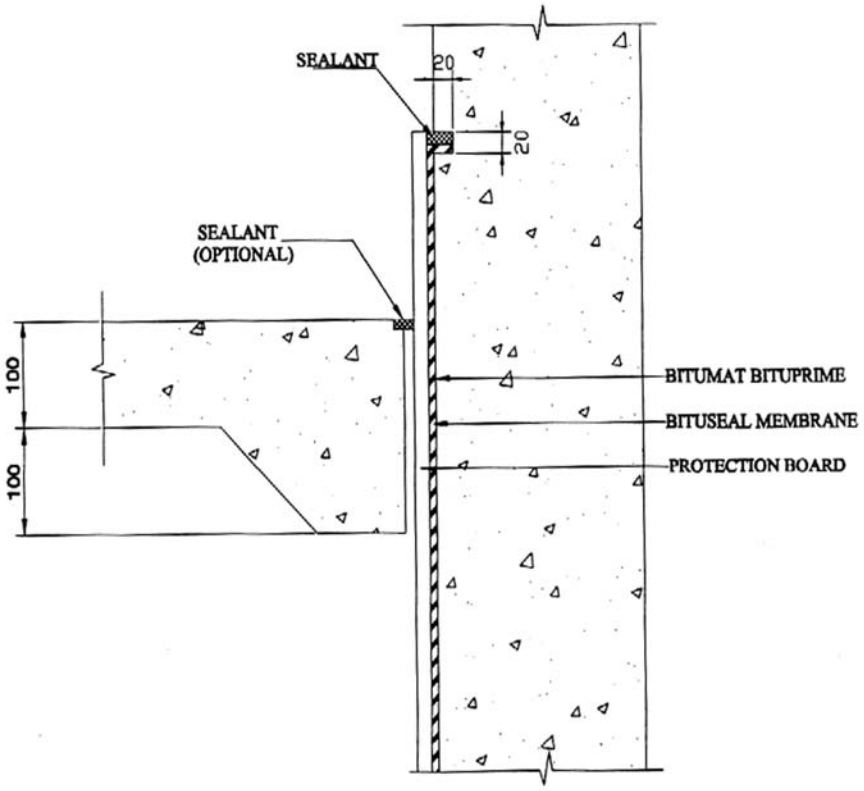
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



WALL COLUMN / CONNECTION PLAN

BITUMAT بيتومات

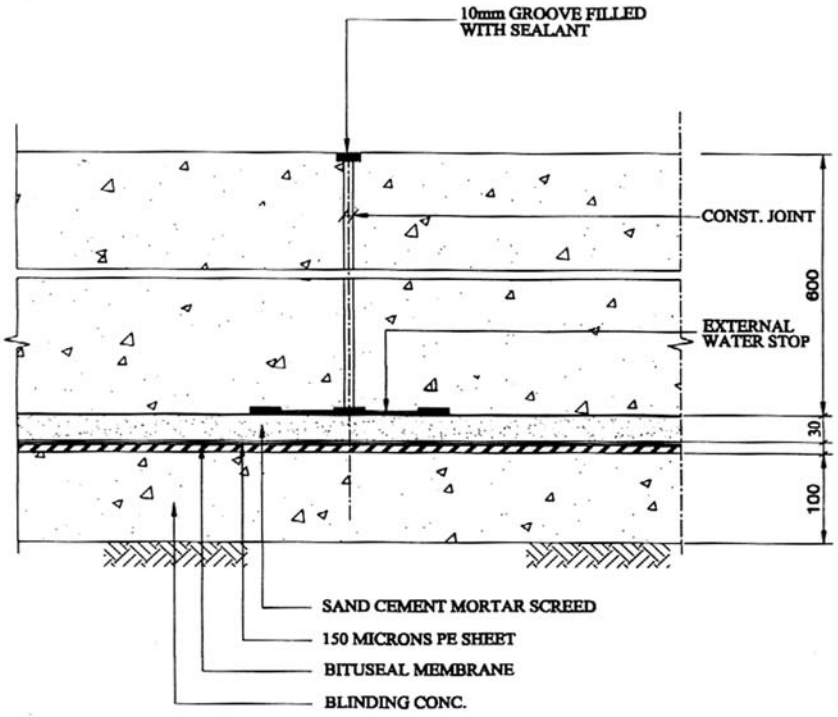
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



MEMBRANE VERTICAL TERMINATION

BITUMAT بيتومات

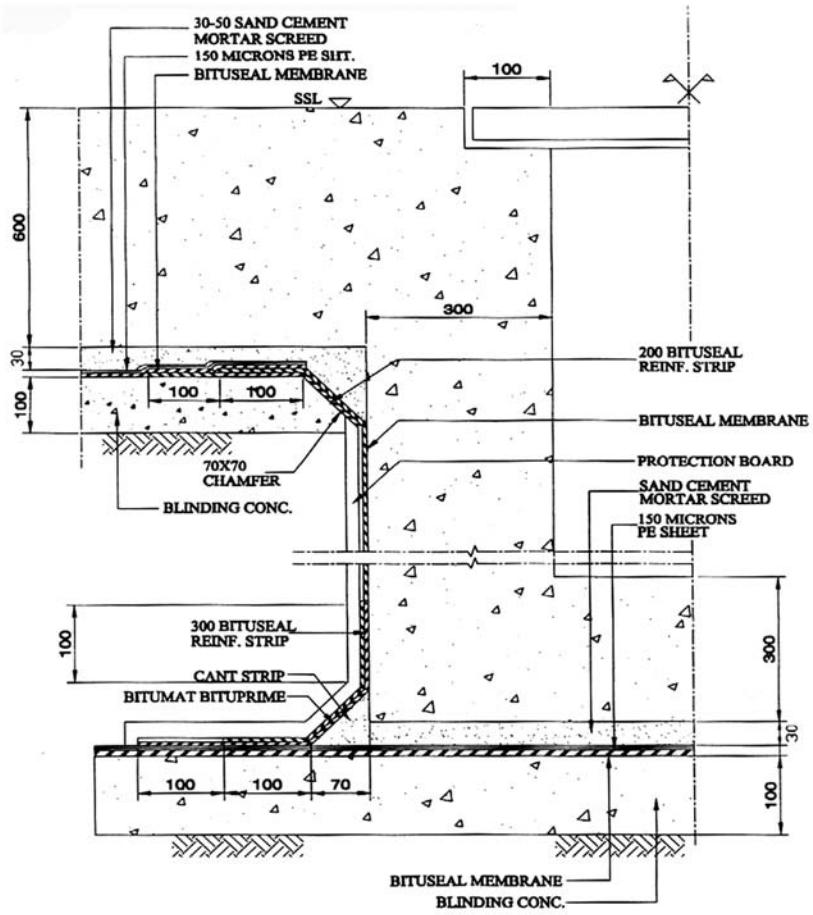
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL CONSTRUCTION JOINT

BITUMAT بيتومات

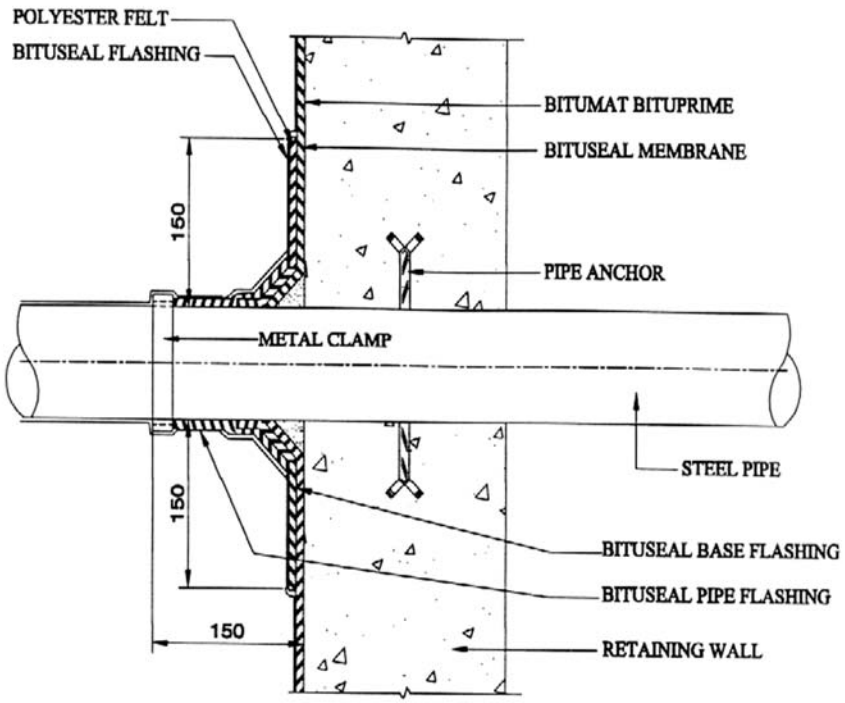
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL MANHOLE SECTION

BITUMAT بيتومات

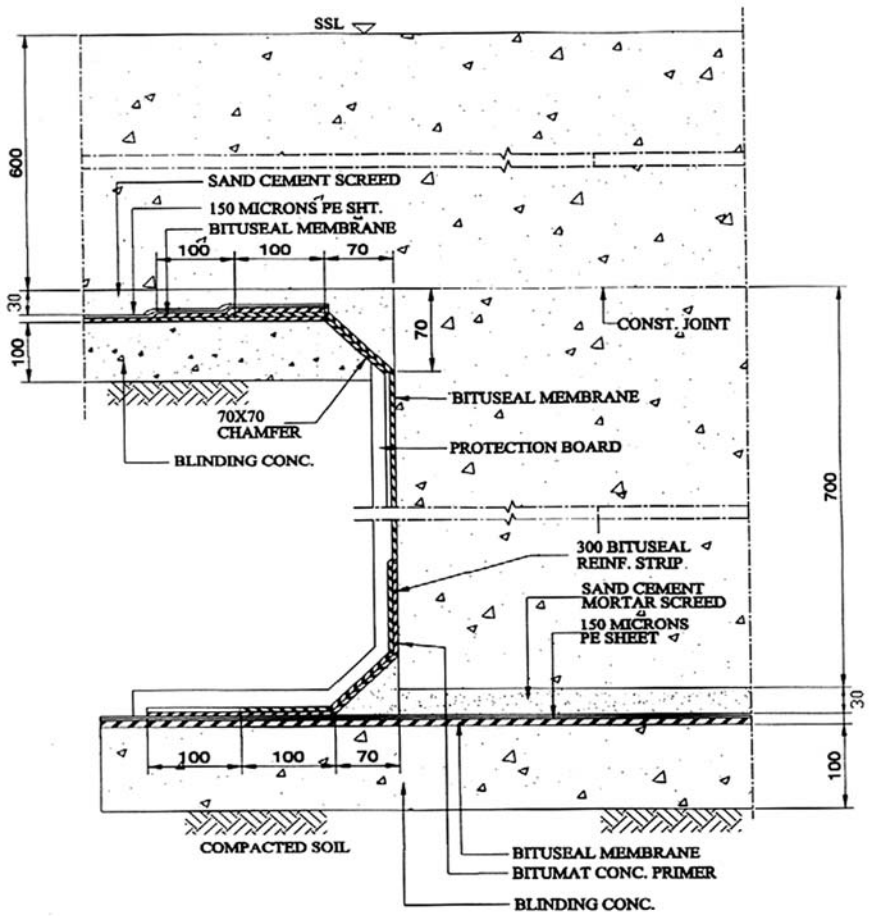
BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



PENETRATION

BITUMAT بيتومات

BITUSEAL DAMPPROOFING SYSTEM
(BITUMAT TECHNICAL DRAWING)



TYPICAL CORNERS