

# ALFRAN®

# Ductile Iron Manhole Cover and Frame (Heavy Duty)

## CHARACTERISTICS

Manhole cover and frame complete with hinge and locking device complying with EN 124: 1994 class D 400 (test load: 400kN), manufactured from spheroidal graphite cast iron complying with grade 500-7 of ISO 1083.

## DESCRIPTION

Solid top cover with frame 840mm x 840mm overall, 100mm height, 600mm clear opening.

## COATING

Non toxic bitumen paint.

## QUALITY ASSURANCE

SIRIM Approval

KUMBAHAN Approval : KTAK/JPP(P&P)/7/257-1(3)

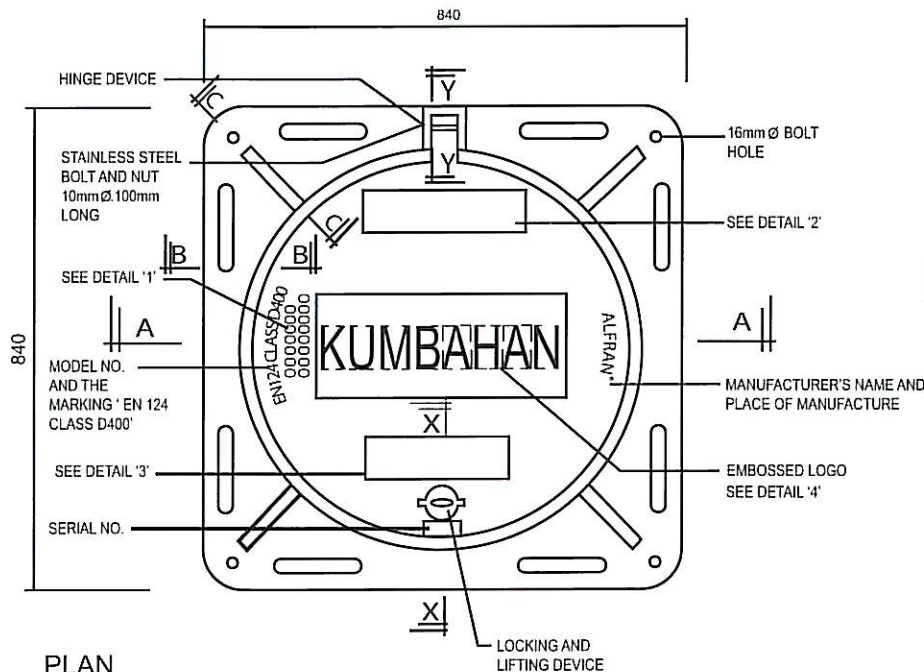
## PLACE OF INSTALLATION

Carriageways of roads (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles.

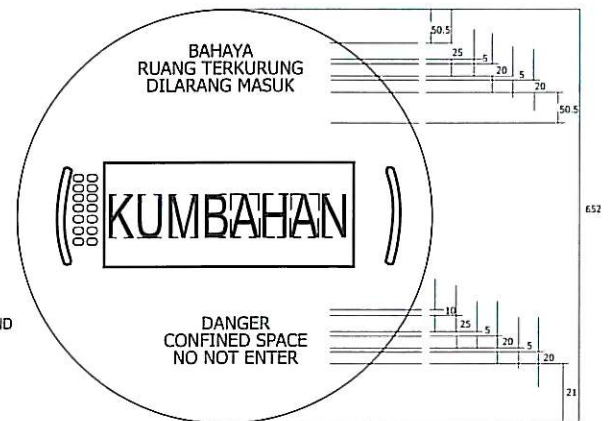


**KUMBAHAN**

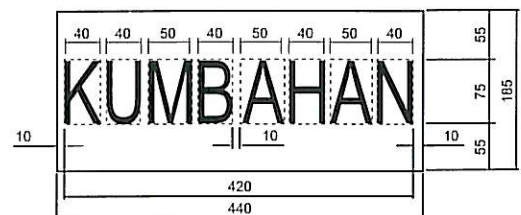
KUMBAHAN Approval : KTAK/JPP(P&P)/7/257-1(3)



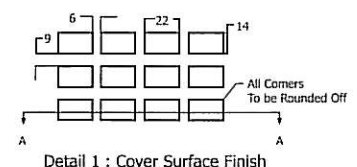
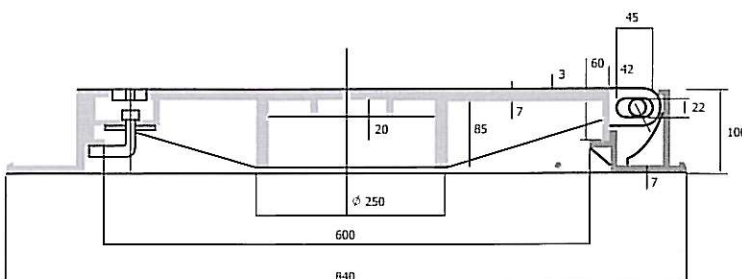
PLAN  
TYPICAL DETAILS OF HEAVY DUTY  
D.I. MANHOLE COVER AND FRAME



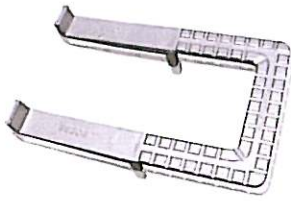
Detail 2 & 3 : Embossed Design



DETAIL '4' : EMBOSSED LOGO



## OTHER MANHOLE COMPONENTS



Description : 250mm x 150mm Manhole Step  
Material : SS304, HDG Ductile Iron, Aluminium Alloy  
Brand : Alfran



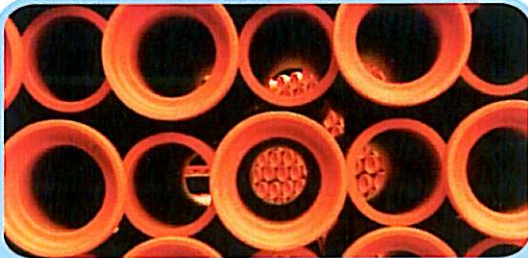
Description : 270mm x 300mm Manhole Step  
Material : SS304  
Brand : Alfran



Description : 18"x24" Cast Iron Manhole Cover  
Material : Cast / Ductile Iron  
Brand : Alfran



Description : Cast/Ductile Iron Pipe & Fittings  
Material : Cast / Ductile Iron  
Brand : YL , EDIP



Description : VCP Pipe and Fittings  
Material : Vitrified Clay  
Brand : GBH/Keramo



Description : HDPE Double Wall Sewer Pipe & Fittings  
Material : HDPE  
Brand : Resintech



Description : Cast Iron Swing Check Valves  
Material : Cast Iron Body, Metal Seat  
Brand : Alfran/SCI



Description : Cast/Ductile Iron Gate Valves to  
BS 3464/BS 5163/BS 5150  
Material : Cast Iron Body, Bronze Trim  
Brand : Alfran/SCI