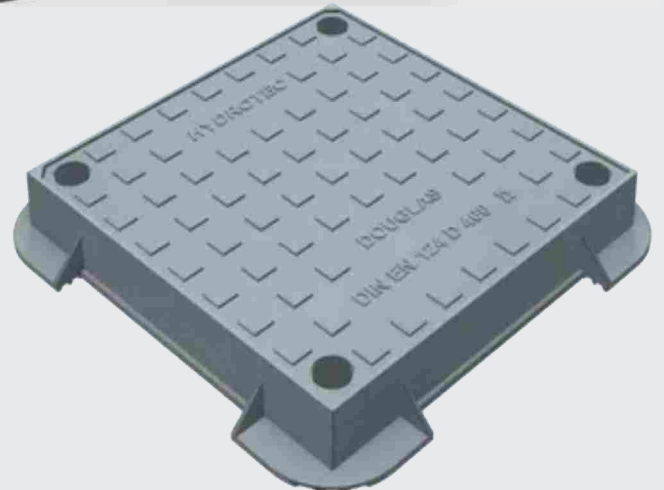
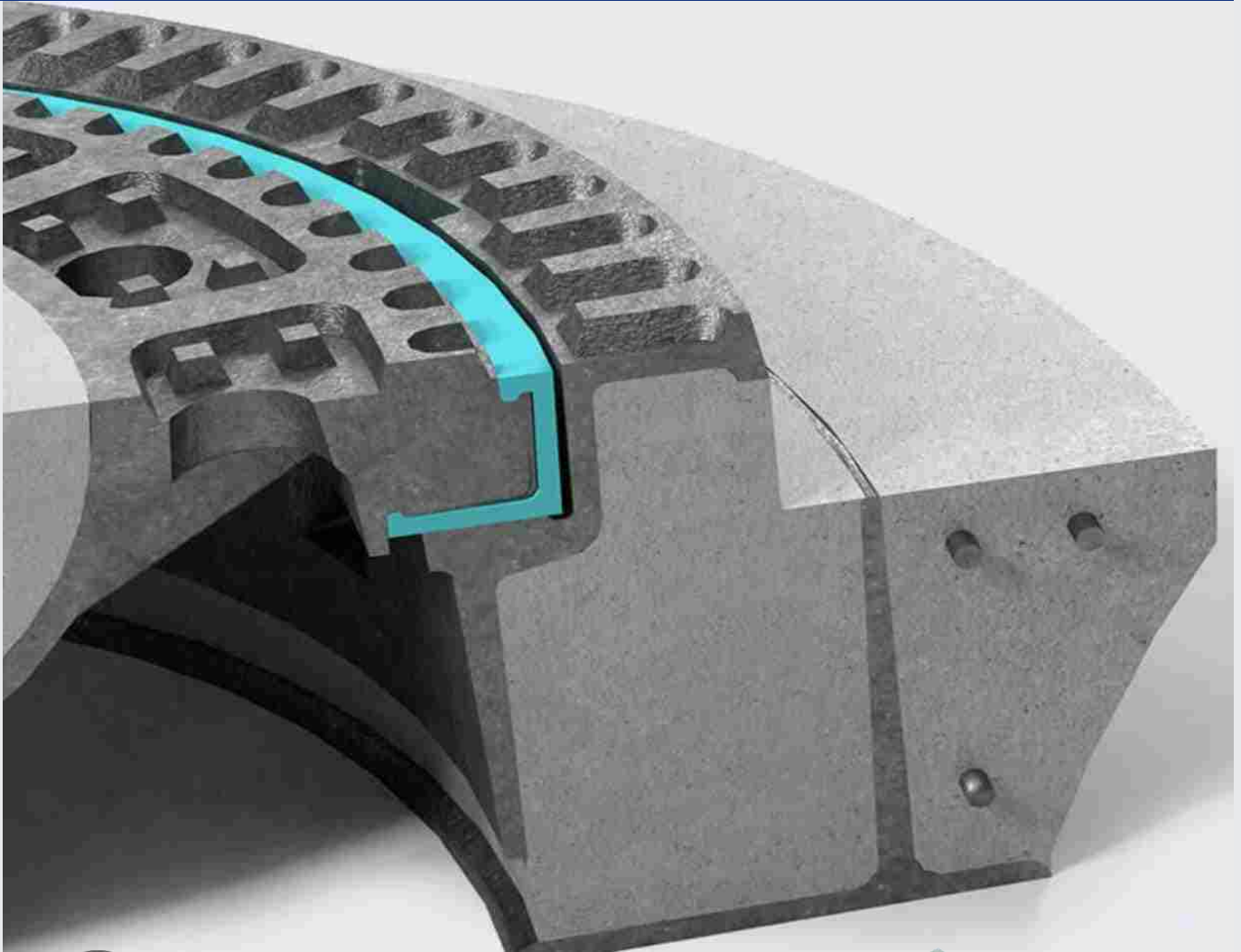


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Email : info@kajworld.com

WATER TIGHT AIR TIGHT MANHOLE COVER



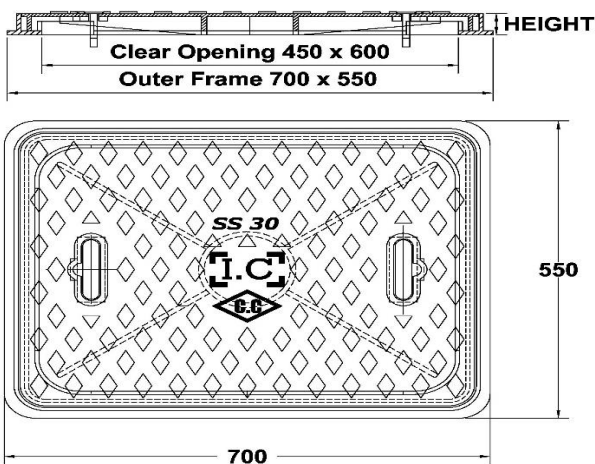
Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Symbol	SS30 Grade	Design Load	Place of Installation	EN124 Grade	Design Load
	C	30KN	Very light duty for pedestrain areas like gardens, patios and drive ways	A15	30KN
	B	125KN	Domestic driveway thresholds for family cars, vans & Parking Lots	B125	125KN
	A2	230KN	Light trafficked roads and small private car parks & Road Shoulders	C250	230KN
	A1	400KN	Mani roads, ExpressWays,Highways and high traffic areas like public car parks	D400	400KN
	AA2	600KN	Industrial estates, Loadig bays and cargo handling yards, High Wheel Loads & Aircrafts Pavement	E600	600KN
	AA1	900KN	Air Traffic surfaces, Ports & extreme heavy-duty applications	F900	900KN

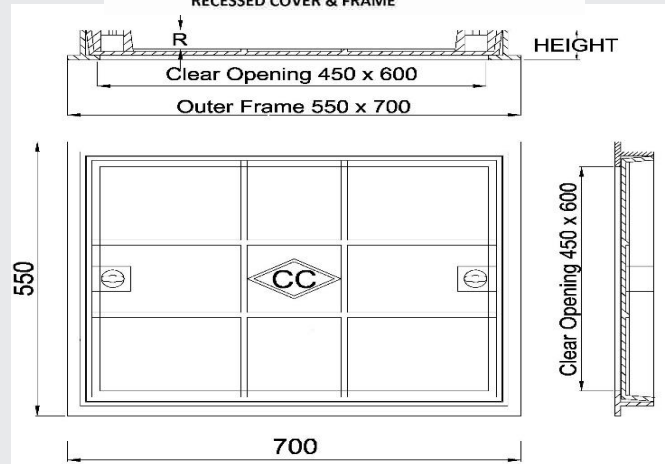
Ductile Iron Light Duty Inspection Cover & Frame



600MM X 450MM CLEAR OPENING LIGHT DUTY IC COVER & FRAME



600MM X 450MM CLEAR OPENING LIGHT DUTY RECESSED COVER & FRAME



Product code	Grade	Clear Opening	Outer Frame	Height	R	Loading
MCLDIC	C	450mm X 600mm	700mm X 550mm	40mm	NA	30KN
MCLDMC	C	450mm X 600mm	700mm X 550mm	60mm	38mm	30KN

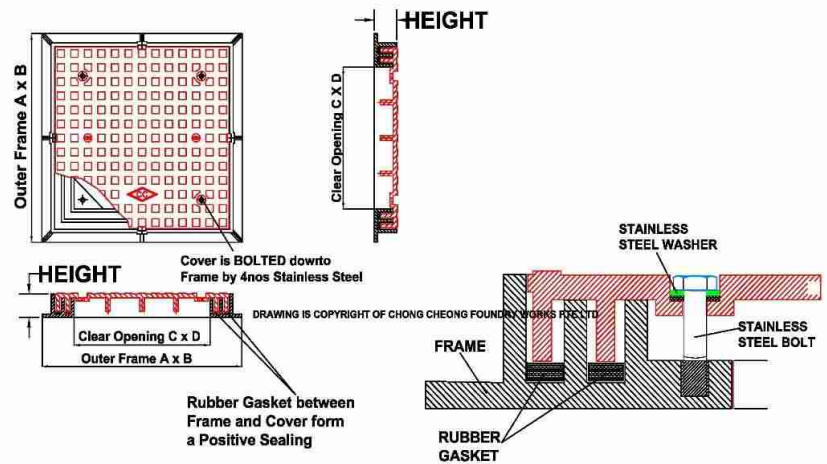
Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Cast Iron Double Sealed Watertight / Airtight Manhole Cover & Frame



1200MM X 1200MM CLEAR OPENING
DOUBLE SEALED WATERTIGHT COVER
& FRAME

DOUBLE SEALED HEAVY DUTY AIRTIGHT/WATERTIGHT COVER AND FRAME.

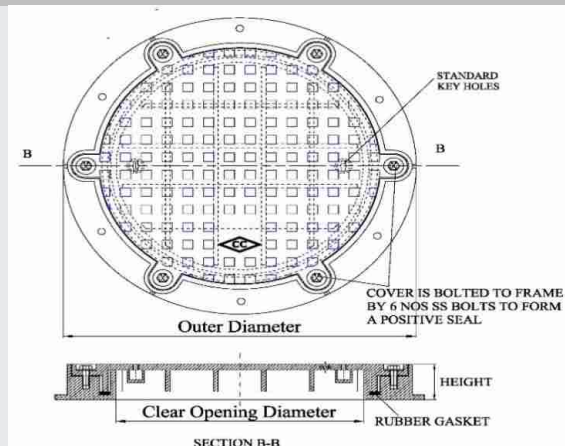


Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
WT600HDDS	A1	600mm X 600mm	882mm X 882mm	100mm	Cast Iron Ductile Iron	400KN	Heavy Duty
WT600HDDS-SEW	A1	600mm X 600mm	882mm X 882mm	100mm	Cast Iron	400KN	Heavy Duty "PWCS SS30"
WT600MDDS	A2	600mm X 600mm	882mm X 882mm	100mm	Cast Iron	230KN	Medium Duty
WT600MDDS-SEW	A2	600mm X 600mm	882mm X 882mm	100mm	Cast Iron	230KN	Medium Duty "SEW"
WT800HDDS	A1	800mm X 800mm	1084mm X 1084mm	100mm	Cast Iron	400KN	Heavy Duty
WT1000HDDS	A1	1000mm X 1000mm	1284mm X 1284mm	100mm	Cast Iron	400KN	Heavy Duty
WT1200HDDS	A1	1200mm X 1200mm	1520mm X 1520mm	100mm	Cast Iron	400KN	Heavy Duty "PWCS SS30"
WT1200X950HDDS	A1	1200mm X 950mm	1482mm X 1232mm	100mm	Cast Iron	400KN	Heavy Duty

Cast Iron Single Sealed Watertight / Airtight Round Manhole Cover & Frame



600MM X 600MM CLEAR OPENING SINGLE SEALED
WATERTIGHT ROUND COVER & FRAME



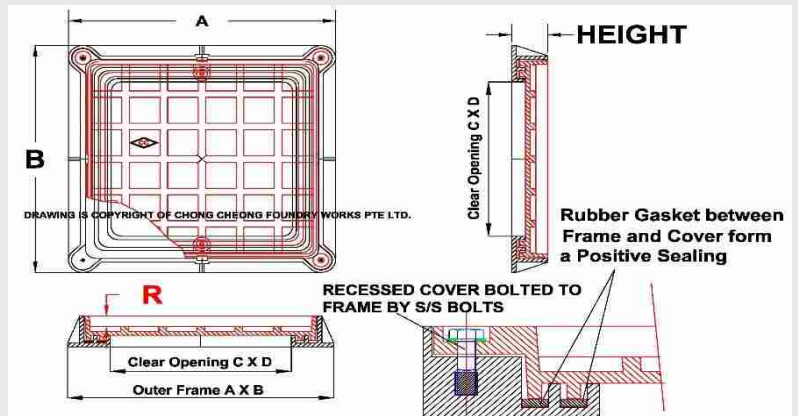
Product code	Grade	Clear Opening	Outer Diameter	Height	Material	Loading	Type
WT600HDDS-ROUND	A1	600mm X 600mm	865mm	110mm	Cast Iron	400KN	Heavy Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

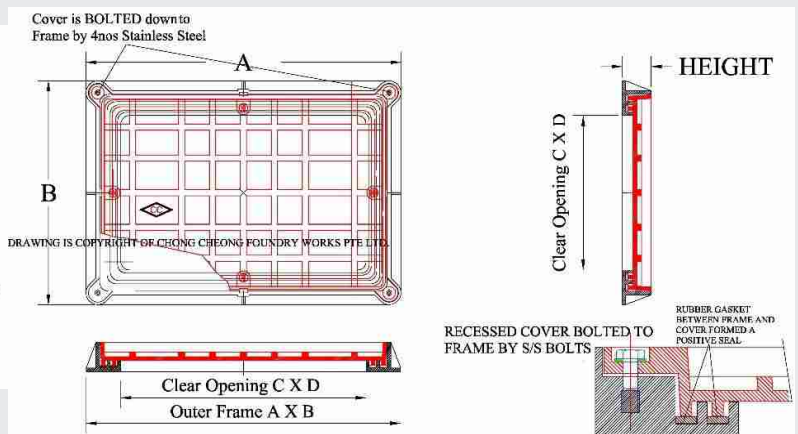
Cast Iron Double Sealed Watertight / Airtight Recessed Manhole Cover & Frame



600MM X 600MM CLEAR OPENING HEAVY DUTY RECESSED WATERTIGHT / AIRTIGHT COVER & FRAME



1000MM X 650MM CLEAR OPENING HEAVY DUTY RECESSED WATERTIGHT COVER & FRAME

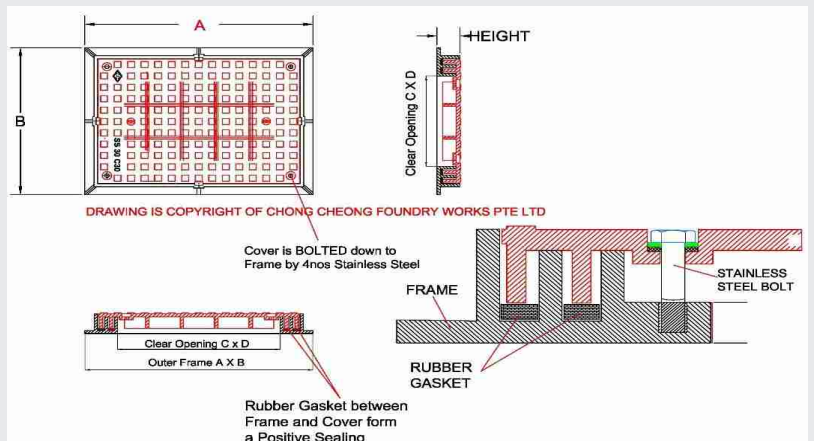


Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
WT600HDDSR	A2	600mm X 600mm	882mm X 882mm	120mm	Cast Iron	230KN	Heavy Duty
WT1000X650R		1000mm X 650mm	1284mm X 912mm	120mm	Cast Iron		Heavy Duty

Cast Iron Double Sealed Light Duty Watertight / Airtight Manhole Cover & Frame



1100 MM X 1000MM CLEAR OPENING DOUBLE SEALED LIGHT DUTY WATERTIGHT / AIRTIGHT MANHOLE COVER & FRAME



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
WT1000X1100LDDS	C	1000mm X 1100mm	1280mm X 1380mm	50mm	Cast Iron	30KN	Light Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Cast Iron/Ductile Iron Double Triangular Manhole Cover & Frame



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
MCHDDT	A1	600mm X 600mm	700mm X 700mm	155mm	Cast Iron / Ductile Iron	400KN	Heavy Duty
MCHDDT-SEW	A1	600mm X 600mm	800mm X 800mm	140mm	Cast Iron / Ductile Iron	400KN	Heavy Duty "SEW"
MCHDDT-EXTRA	AA2	600mm X 600mm	800mm X 800mm	140mm	Cast Iron / Ductile Iron	600KN	Heavy Duty "SEW"
MCHDDT-F900	AA1	600mm X 600mm	800mm X 800mm	140mm	Cast Iron / Ductile Iron	900KN	Heavy Duty
MCMDT	B	600mm X 600mm	750mm X 750mm	90mm	Cast Iron / Ductile Iron	230KN	Medium Duty
MCMDT-SEW	B	600mm X 600mm	750mm X 750mm	90mm	Cast Iron / Ductile Iron	125KN	Medium Duty "SEW"

Ductile Iron Recessed / Mosaic Manhole Cover & Frame



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
MCHDR	A1	600mm X 600mm	800mm X 800mm	140mm	Ductile Iron	400KN	Heavy Duty
MCMDR	A2	600mm X 600mm	750mm X 750mm	90mm	Cast Iron	230KN	Medium Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

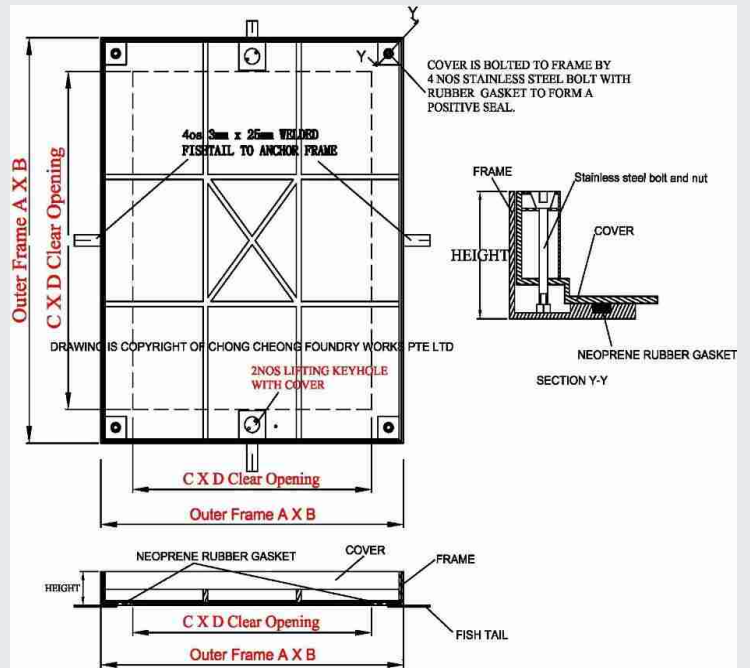
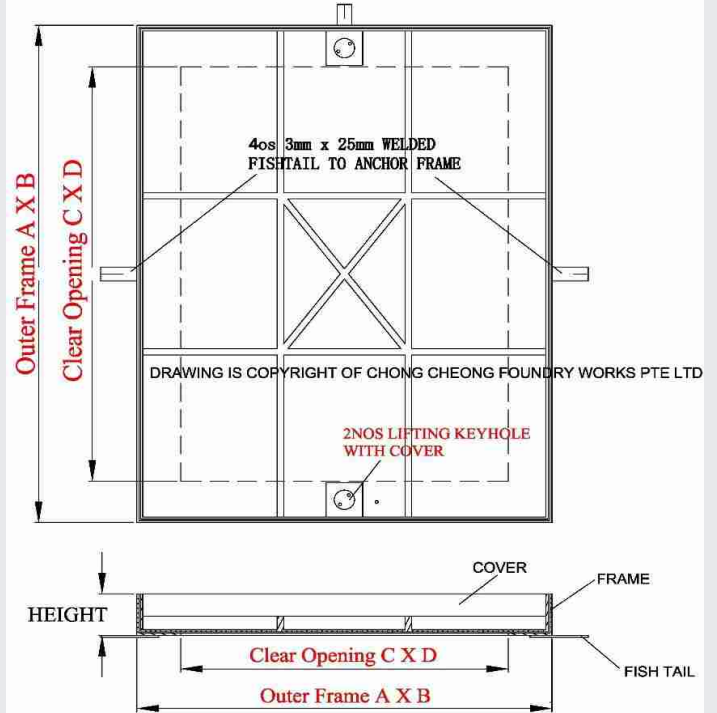
Light Duty Stainless Steel Watertight/Airtight & Non-Watertight Recessed Cover & Frame (SS304 & SS316)



450mm x 600mm
non watertight
cover and frame



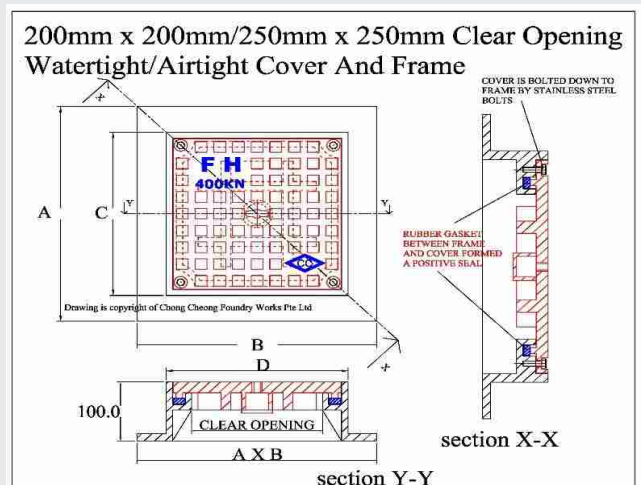
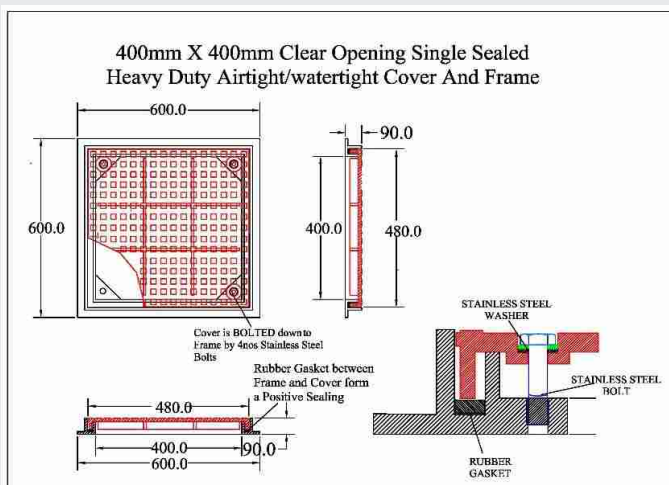
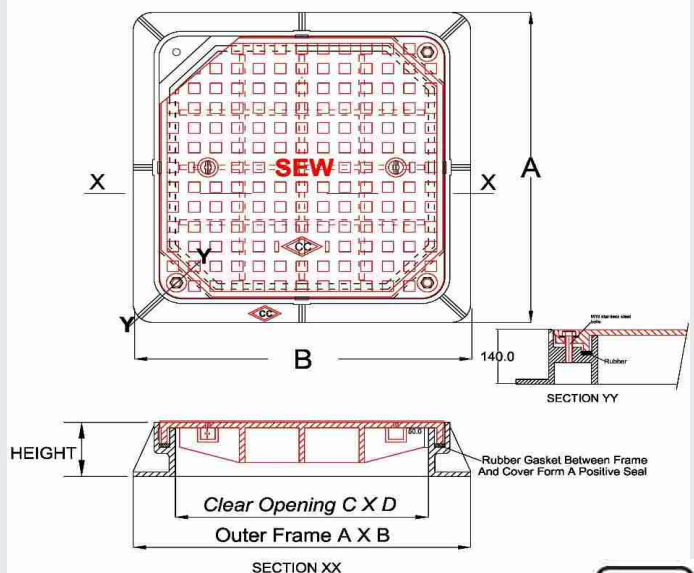
450mm x 600mm
watertight cover and
frame.



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
MCLDSSR-304	C	450mm X 600mm	550mm X 700mm	50mm	SS304	30KN	Light Duty
MCLDSSR-316	C	450mm X 600mm	550mm X 700mm	50mm	SS316	30KN	Light Duty
MCLDSSRW-304	C	450mm X 600mm	550mm X 700mm	50mm	SS304	30KN	Light Duty
MCLDSSRW-316	C	450mm X 600mm	550mm X 700mm	50mm	SS316	30KN	Light Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

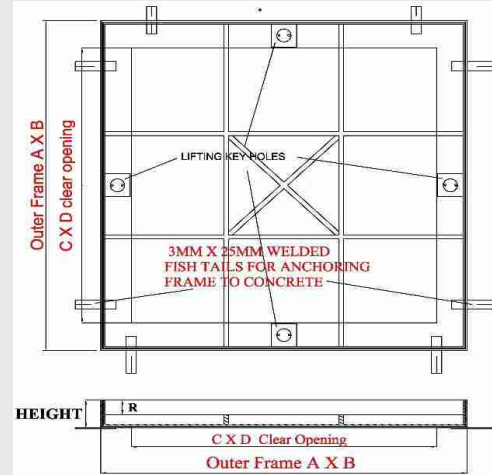
Cast Iron Single Sealed Watertight / Airtight Manhole Cover & Frame



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
WT600HDDSPUB	A1	600mm X 600mm	800mm X 800mm	140mm	Cast Iron	400KN	Heavy Duty
WT400HDSS	A2	400mm X 400mm	600mm X 600mm	90mm	Cast Iron	230KN	Heavy Duty
WT250HDSS	A2	250mm (330mm)	410mm X 410mm	100mm	Cast Iron	230KN	Heavy Duty
WT200HDSS	A2	200mm (280mm)	365mm X 365mm	100mm	Cast Iron	230KN	Heavy Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Heavy / Medium Duty Stainless Steel Non-Watertight Recessed Cover & Frame (SS304 & SS316)

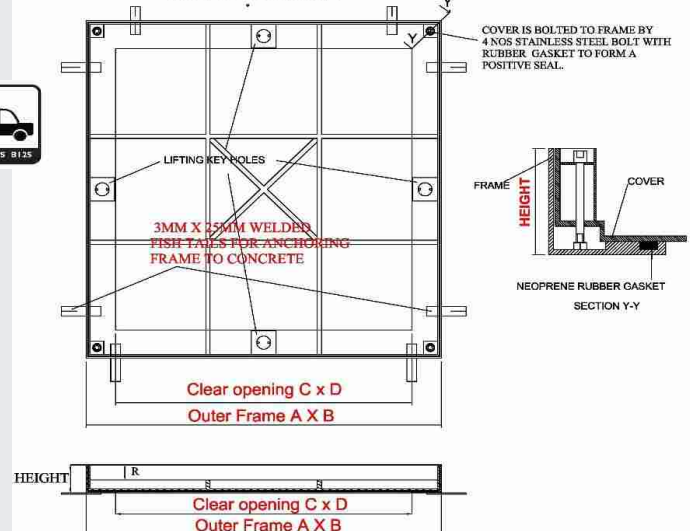


Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	R	Type
MCHDSSR-304	A1	600mm X 600mm	750mm X 750mm	140mm	SS304	400KN	40mm	Heavy Duty
MCHDSSR-304	A2	600mm X 600mm	750mm X 750mm	140mm	SS304	230KN	40mm	Heavy Duty
MCHDSSR-316	A1	600mm X 600mm	750mm X 750mm	140mm	SS316	400KN	40mm	Heavy Duty
MCMDSSR-304	B	600mm X 600mm	750mm X 750mm	90mm	SS304	125KN	30mm	Medium Duty
MCMDSSR-316	B	600mm X 600mm	750mm X 750mm	90mm	SS316	125KN	30mm	Medium Duty

Heavy / Medium Duty Stainless Steel Watertight / Airtight Recessed Cover & Frame (SS304 & SS316)



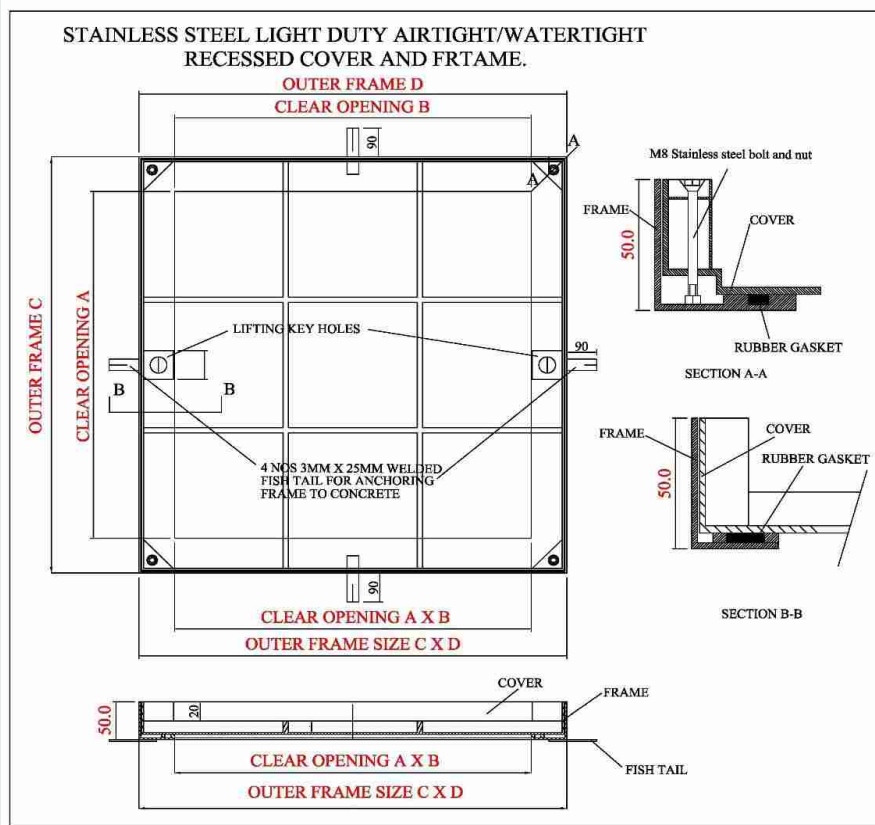
STAINLESS STEEL WATERTIGHT/AIRTIGHT RECESSED COVER AND FRAME



Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	R	Type
MCHDSSRW-304	A1	600mm X 600mm	750mm X 750mm	140mm	SS304	400KN	40mm	Heavy Duty
MCHDSSRW-316	A1	600mm X 600mm	750mm X 750mm	140mm	SS316	400KN	40mm	Heavy Duty
MCMDSSR-304	B	600mm X 600mm	750mm X 750mm	90mm	SS304	125KN	30mm	Medium Duty
MCMDSSR-316	B	600mm X 600mm	750mm X 750mm	90mm	SS316	125KN	30mm	Medium Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Light Duty Stainless Steel Watertight / Airtight Recessed Cover & Frame (SS304 & SS316)



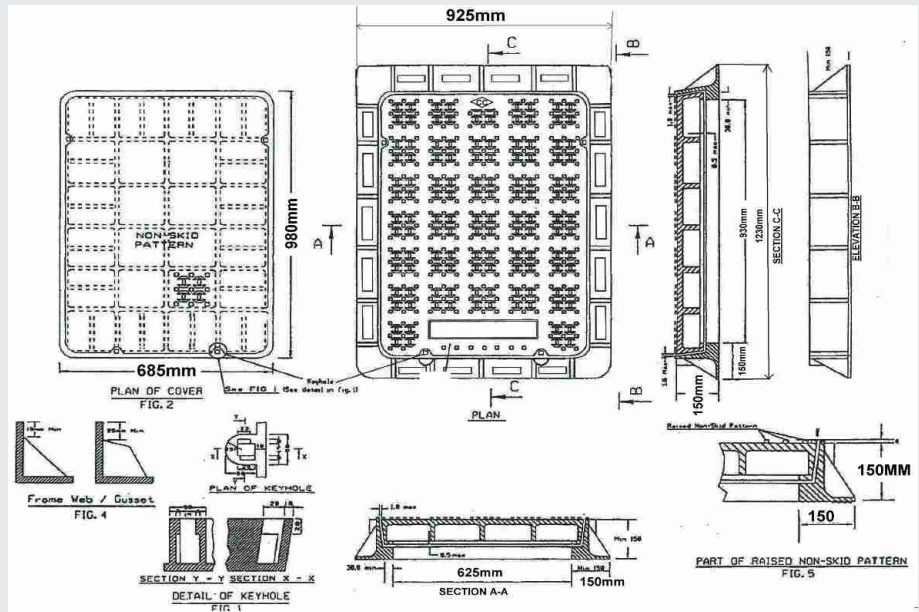
Product code	Grade	Clear Opening (C x D)	Outer Frame (A x B)	Height	Material	Loading	Type
	C	450mm X 450mm	550mm X 550mm	50mm	SS304 / SS316	30KN	Light Duty
	C	600mm X 600mm	700mm X 700mm	50mm	SS304 / SS316	30KN	Light Duty
	C	800mm X 800mm	900mm X 900mm	50mm	SS304 / SS316	30KN	Light Duty
	C	1000mm X 1000mm	1100mm X 1100	50mm	SS304 / SS316	30KN	Light Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Heavy / Medium Duty Telecom Cover & Frame



CLASS D400



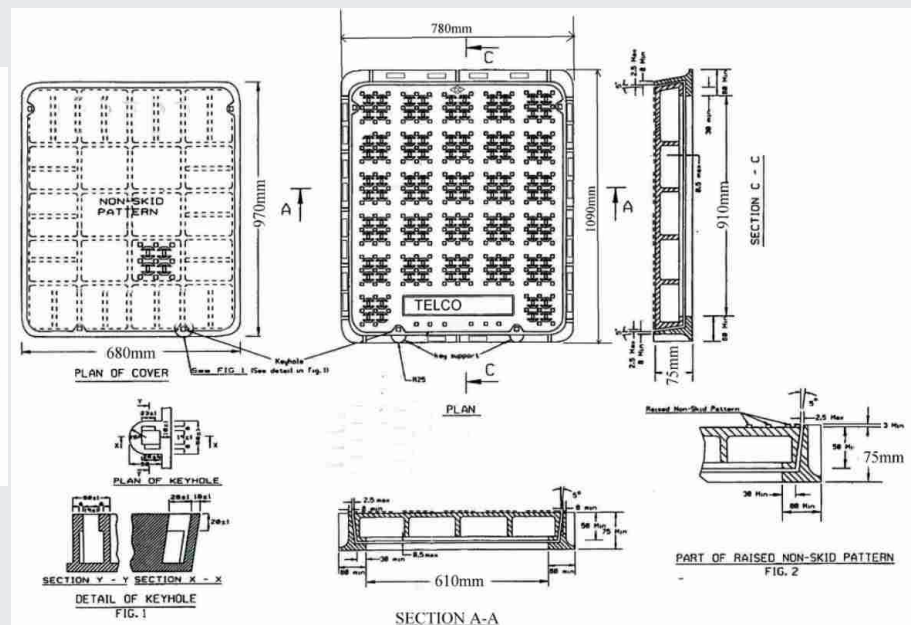
HEAVY DUTY TELECOM MANHOLE COVER AND FRAME



MEDIUM DUTY TELECOM COVER AND FRAME



CLASS B125

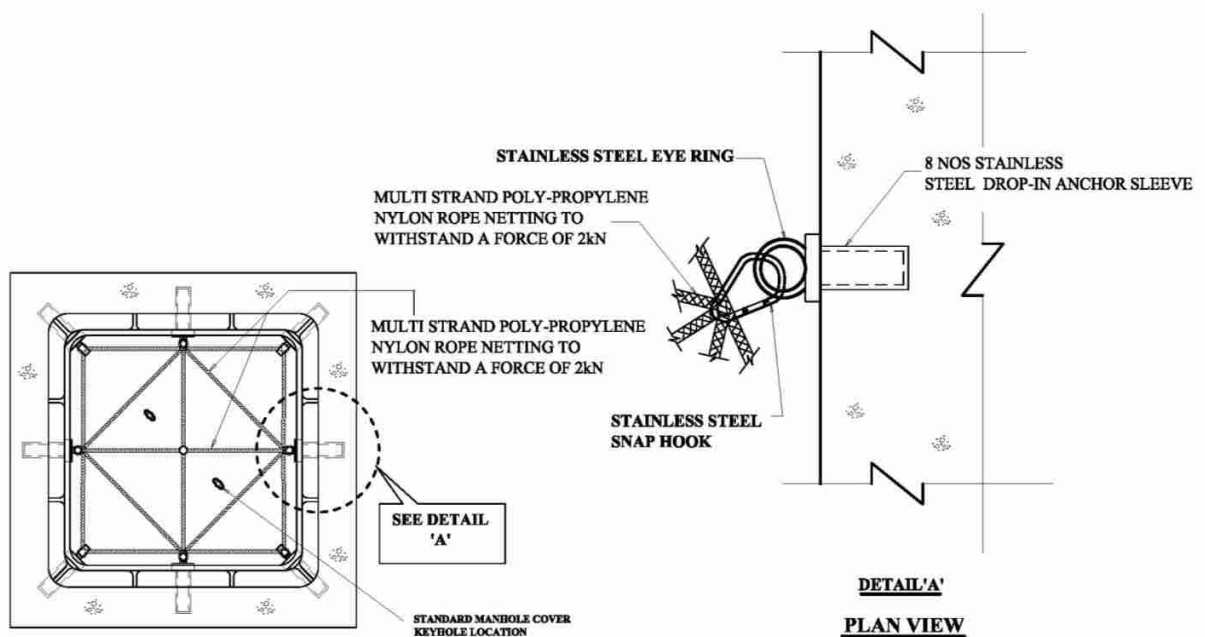


MEDIUM DUTY TELECOM COVER AND FRAME

Product code	Grade	Clear Opening	Outer Frame	Height	Material	Loading	Type
MCHDTelco	A1	610mm X 910mm	1230mm X 925mm	150mm	Cast Iron	400KN	Heavy Duty
MCMDTelco	B	610mm X 910mm	1070mm X 780mm	75mm	Cast Iron	125KN	Medium Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Multistrand Polypropylene Nylon Rope Safety Netting C/W Accessories



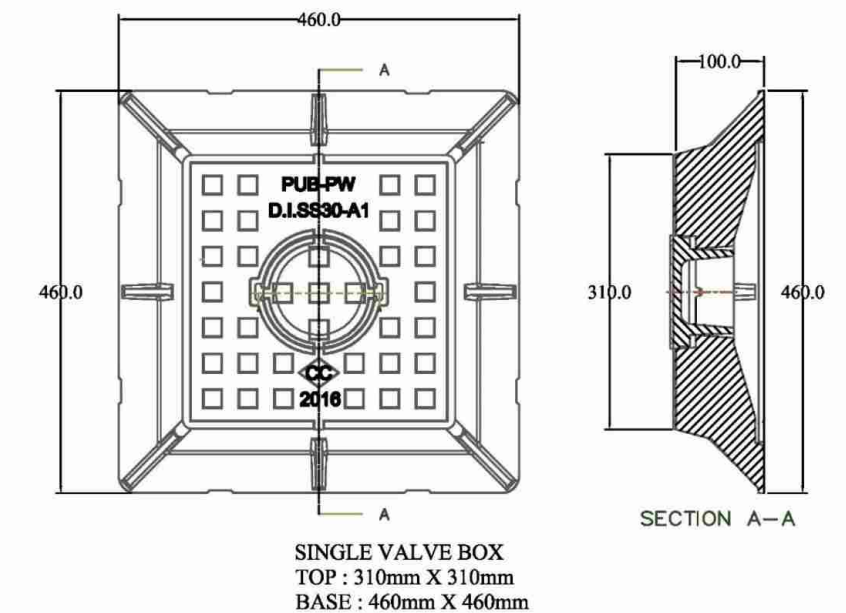
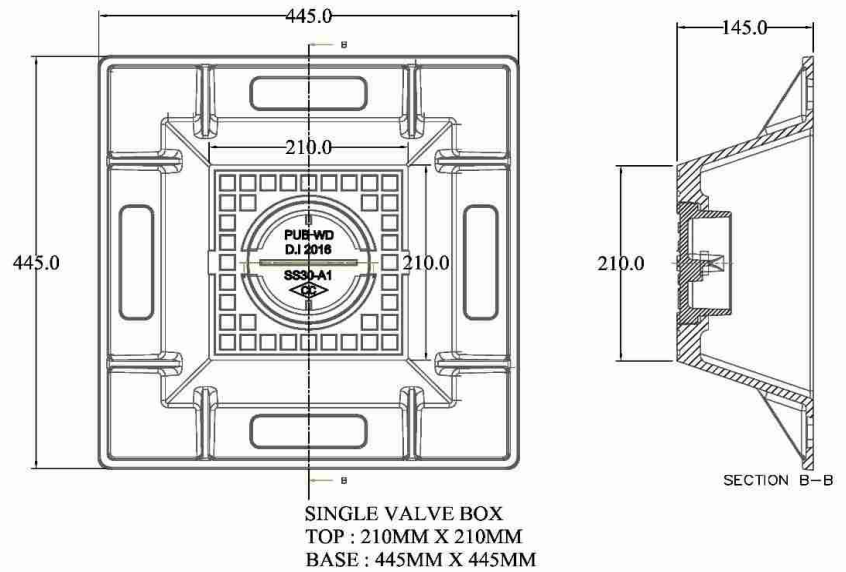
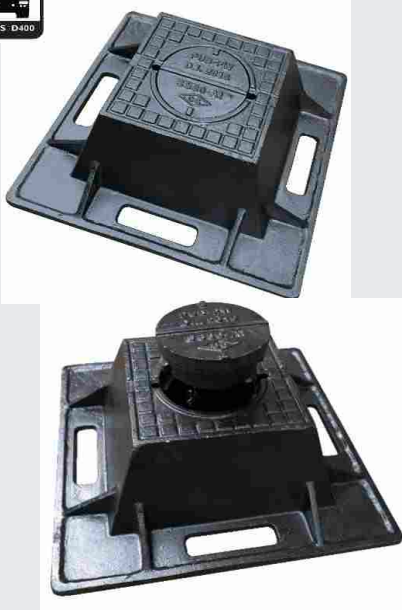
PUB/WRN/STD/008

NOTE:

ALL STAINLESS STEEL ARE OF GRADE 316.

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Heavy Duty Single Valve Box (100mm Dia Clear Opening)



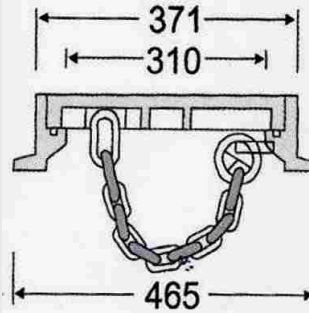
Product code	Grade	Clear Opening	Outer Frame	Top Frame	Height	Material	Loading	Type
VB445X445	A1	100mm	445mm X 445mm	210mm X 210mm	145mm	Cast Iron	400KN	Heavy Duty
VB460X460	A1	100mm	460mm X 460mm	310mm X 310mm	100mm	Cast Iron	400KN	Medium Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

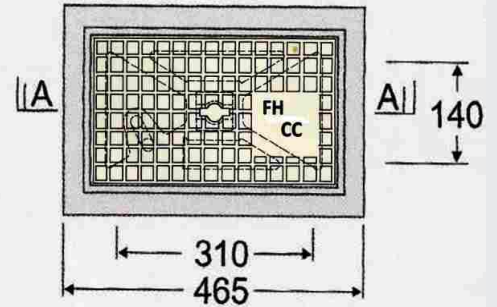
Heavy Duty Surface Box (FH Covers) & Power Gas Test Junction Box



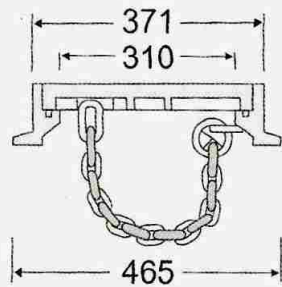
SINGLE VALVE SURFACE BOX "FH" COVER



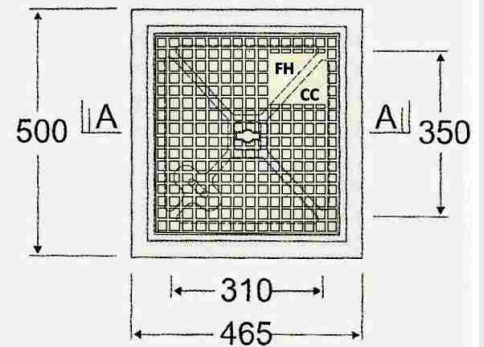
SECTION A - A



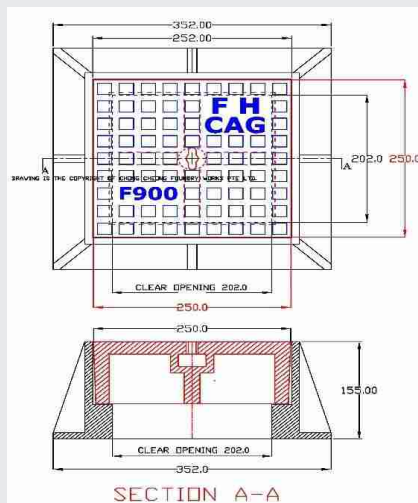
DOUBLE VALVE SURFACE BOX "FH" COVER



SECTION A - A



250MM X 250MM COVER AND FRAME (900KN LOADING)



SECTION A-A

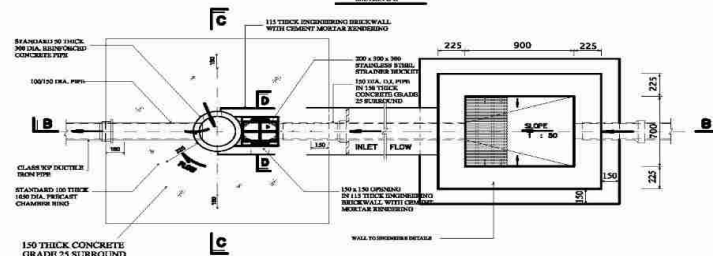
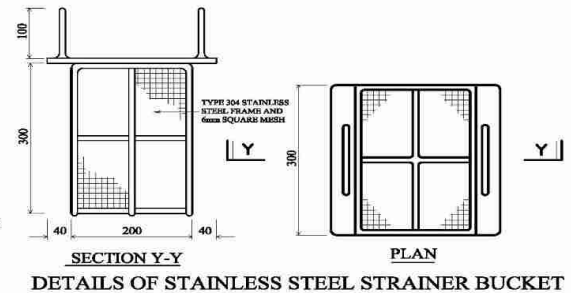
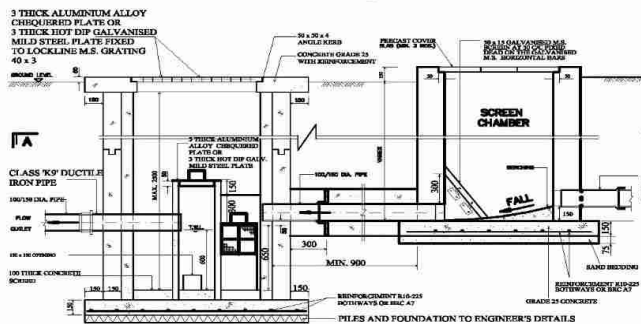
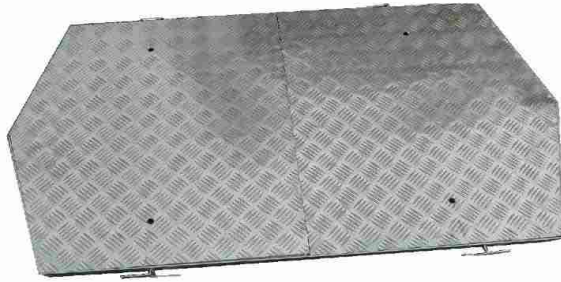


PowerGas Test Station
440mm x 380mm x 267mmHt

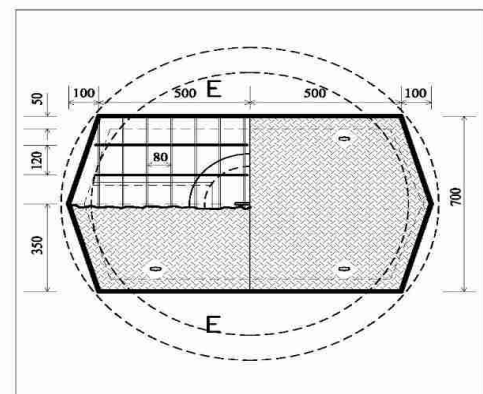
Product code	Grade	Clear Opening	Outer Frame	Height	Material	Loading	Type
MCSB140	A1 & A2	140mm X 310mm	450mm X 280mm	100mm	Cast Iron	400KN	Heavy Duty
MCSB310	A2	310mm X 350mm	500mm X 465mm	100mm	Cast Iron	230KN	Heavy Duty
MCSB250X250	AA1	202mm X 202mm	250mm X 250mm	155mm	Cast Iron	900KN	Heavy Duty

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

1050 MM DIA GREASE TRAP COVER AND FRAME
FABRICATED AS ACCORDING TO WRN STD 041

NOTES SECTIONAL PLAN A-A

1. THE CIRCULAR GRASE TRAP SHALL BE INSTALLED AT THE PLACE WHERE IT IS NOT SUBJECTED TO VEHICULAR LOAD.
2. INFLOW TO THE GREASE TRAP SHALL BE FROM COVERED AREA i.e. NO RAIN WATER IS TO BE DISCHARGED INTO THE GREASE TRAP.
3. THE OIL OR GREASE SHOULD NOT BE DISCHARGED INTO THE GREASE TRAP REGULARLY SO AS TO ENSURE THAT NO GREASE OR OIL IS DISCHARGED INTO THE SEWER.
4. OIL, GREASE, SLUDGE ETC. COLLECTED IN THE GREASE TRAP SHALL BE REMOVED AND DISPOSED OFF IN A MANNER ACCEPTABLE TO THE COMPETENT AUTHORITIES.
5. SCREENINGS SHALL BE REMOVED BY EMPTYING THE STRAINER DAILY AND DISPOSED OF IN A MANNER ACCEPTABLE TO THE COMPETENT AUTHORITIES.



PLAN VIEW

Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

1800MM DIA GREASE TRAP COVER AND FRAME



FABRICATED AS TO PUB/WRN/STD/040

1800MM DIAMETER STANDARD CIRCULAR GREASE TRAP FOR
CANTEENS, RESTAURANTS & EATING STALLS

DRG. NO.

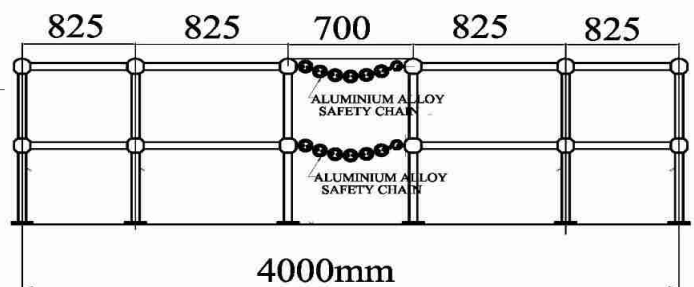
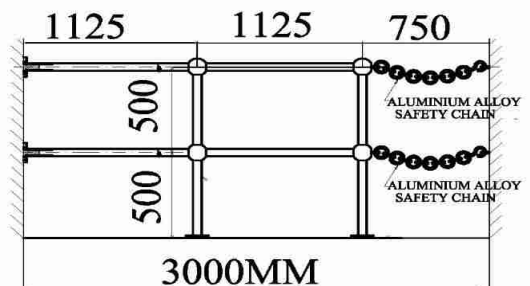
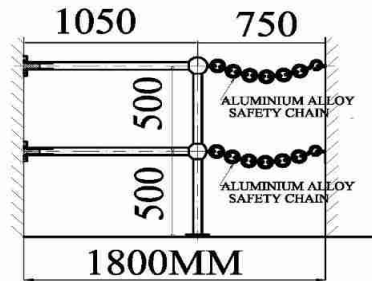
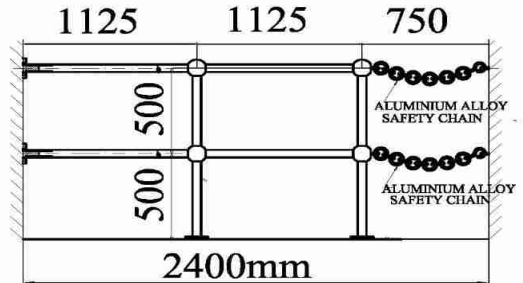
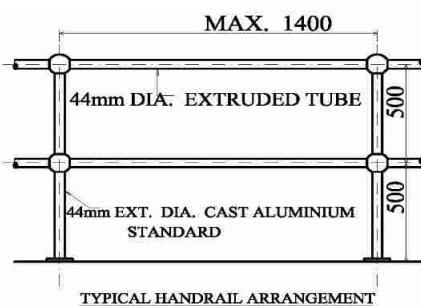
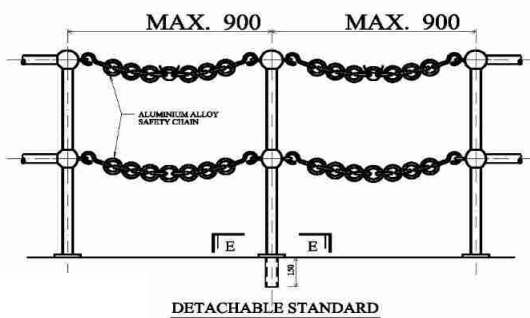
Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

ALUMINIUM RAILING POSTS AND TUBES AND SAFETY CHAINS

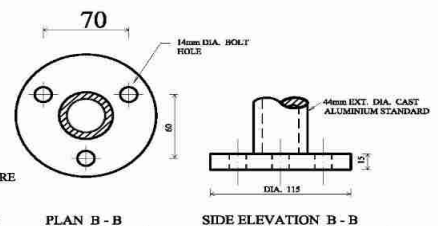


RUBBER GASKETS

SS316 DROP IN ANCHORS AND BOLTS



- NOTES:-
1. THE ALUMINIUM ALLOY SHALL BE H 30, THE FORM OF MATERIAL FOR THE RAILS SHALL BE HT 30 TF TO B.S.1471 OR HE 30 TF TO B.S.1474 AND THE STANDARDS SHALL BE TO HF 30 TF TO B.S.1472.
 2. WELDS TO BE OF A STRUCTURAL TYPE MADE BY APPROVED WELDING TECHNIQUE TO GIVE SOUND, STRONG WELDS WITH A MINIMUM DIMENSION NOT LESS THAN THE THICKNESS OF THE JOINING MEMBERS.
 3. FIXING TO HANDRAILS TO BE MADE WITH ALUMINIUM ALLOY RAGBOLTS, BOLTS AND NUTS.
 4. RAGBOLTS AND BRACKET FACES IN CONTACT WITH CONCRETE ARE TO BE HEAVILY COATED WITH A BITUMEN PAINT.
 5. DIAMETER OF RAGBOLTS TO BE 13mm AND DIAMETER OF BOLT-HOLES TO BE 14mm. THE RAGBOLT SHOULD BE EMBEDDED SUCH THAT THE SHANK PROTRUDES NOT MORE THAN TWO THREADS BEYOND THE HEAD OF THE NUT.
 6. ALUMINIUM ALLOY HANDRAIL & SAFETY CHAIN ARE TO BE ANODISED.

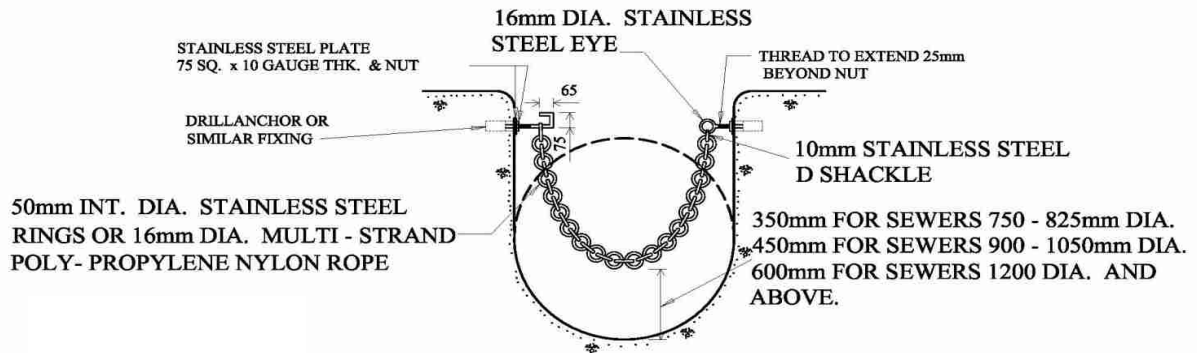


DETAIL OF BASE OF STANDARD
(VERTICAL MOUNTING)

PUB/WRN/STD/102

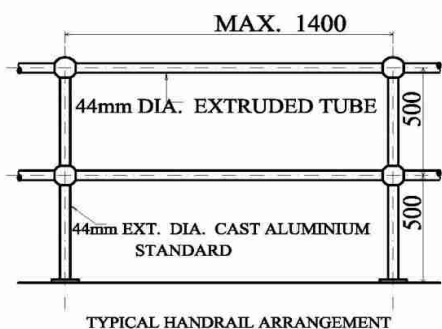
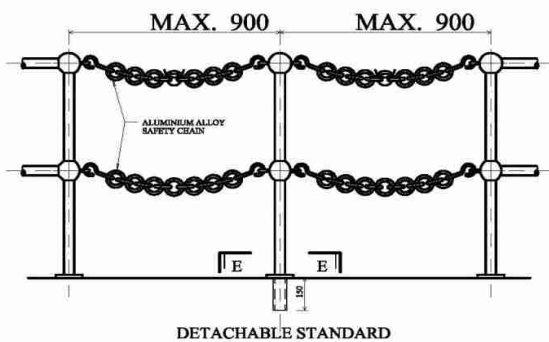
Cast Iron Double Sealed Watertight/ Airtight Manhole Cover & Frame

Safety Rope with SS304 Accessories (Also Available In SS316)



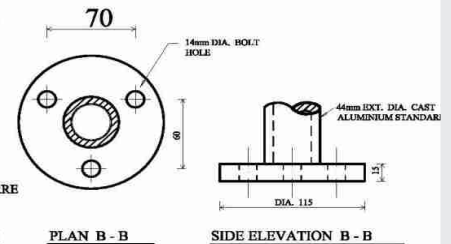
ARRANGEMENT OF SAFETY CHAIN(SAFETY ROPE) FOR MAIN SEWER IN MANHOLE

SCALE 1 : 20



NOTES:-

1. THE ALUMINIUM ALLOY SHALL BE H 30. THE FORM OF MATERIAL FOR THE RAILS SHALL BE HT 30 TF TO B.S.1471 OR HE 30 TF TO B.S.1474 AND THE STANDARDS SHALL BE TO HF 30 TF TO B.S.1472.
2. WELDS TO BE OF A STRUCTURAL TYPE MADE BY APPROVED WELDING TECHNIQUE TO GIVE SOUND, STRONG WELDS WITH A MINIMUM DIMENSION NOT LESS THAN THE THICKNESS OF THE JOINING MEMBERS.
3. FIXING TO HANDRAILS TO BE MADE WITH ALUMINIUM ALLOY RAGBOLTS, BOLTS AND NUTS.
4. RAGBOLTS AND BRACKET FACES IN CONTACT WITH CONCRETE ARE TO BE HEAVILY COATED WITH A BITUMEN PAINT.
5. DIAMETER OF RAGBOLTS TO BE 13mm AND DIAMETER OF BOLT-HOLES TO BE 14mm. THE RAGBOLT SHOULD BE EMBEDDED SUCH THAT THE SHANK PROTRUDES NOT MORE THAN TWO THREADS BEYOND THE HEAD OF THE NUT.
6. ALUMINIUM ALLOY HANDRAIL & SAFETY CHAIN ARE TO BE ANODISED.



DETAIL OF BASE OF STANDARD (VERTICAL MOUNTING)

PUB/WRN/STD/102