



MARINE

MARINE & OFFSHORE DOORS



INTRODUCTION

MML Marine are leading specialist fabricators and suppliers of offshore fire doors, marine fire doors, watertight doors, A60 doors, A60 windows, H120 and H60 blast rated doors. All products supplied and produced by MML are fully certified to international industry standards such as Lloyds, DNV, MED, USCG and BV certification. MML provide bespoke solutions to meet our client's specific requirements and have done for over 30 years.

Today our core business is the manufacture and supply of A0, A60 and B15 Doors which we supply regularly to the offshore market for new rig platforms and the upgrade or maintenance of existing platforms. Over the last 30 years we have built up a reputation for a quality product at a competitive price.

REASONS TO USE MML AS SUPPLIER

- British design and manufacturing
- European steel
- European hardware parts
- Bespoke design to suit your requirements
- Lloyds, DNV, ABS certification
- Detailed QC checks
- Competitive pricing
- Quick delivery schedules



MARINE



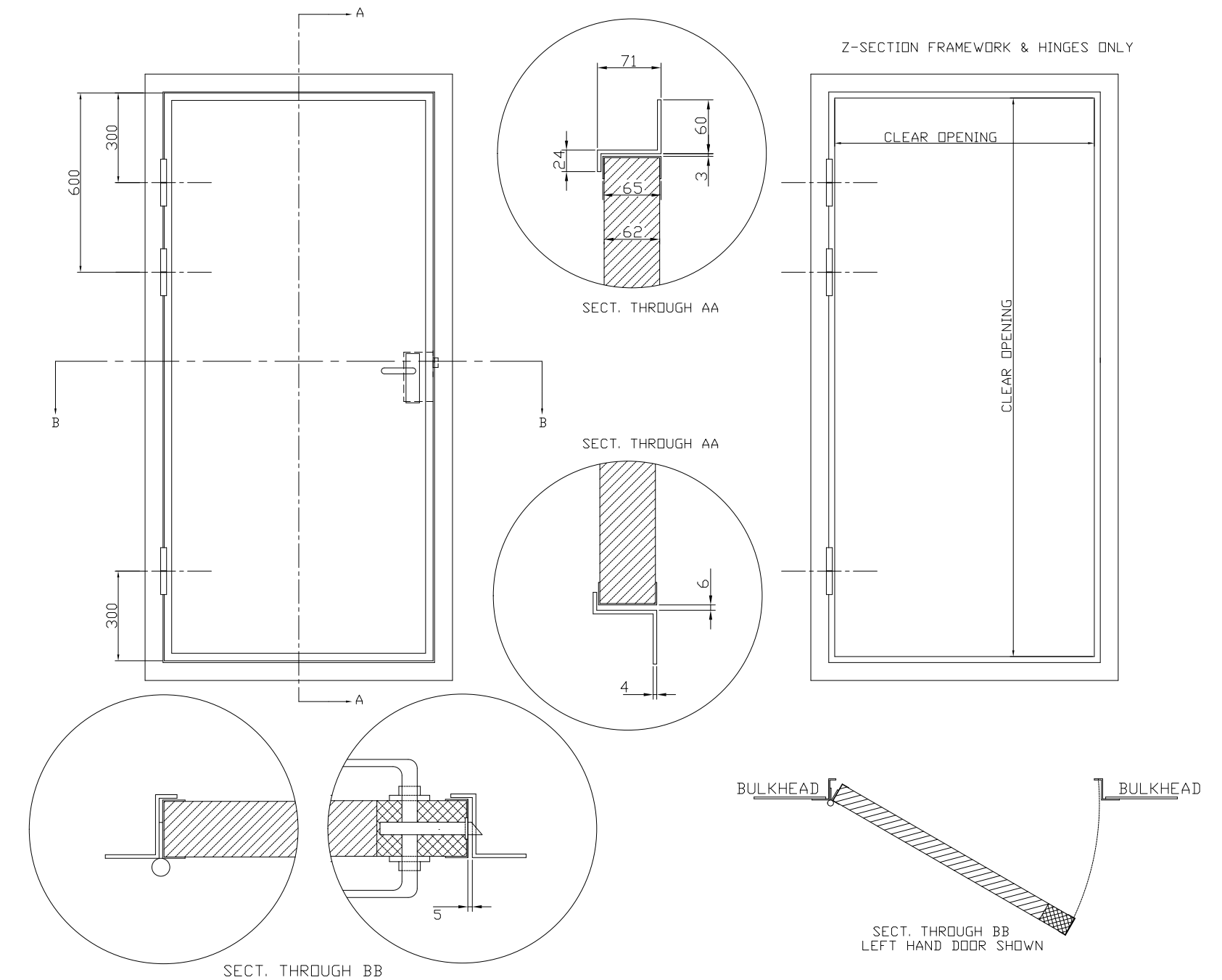
A60 INTERNAL SINGLE LATCH DOOR

Door blade manufactured from double skinned 1.5mm mild steel with A60 insulation. Door frame manufactured from 4mm Z section frame.

3 stainless steel lift off hinges. Mortice latch, stainless steel lever handles and back plates.

OPTIONS

- A60 rated vision panel
- Stainless steel panic bar
- Stainless steel finish
- Powder painted to RAL colour
- Heavy duty door closer





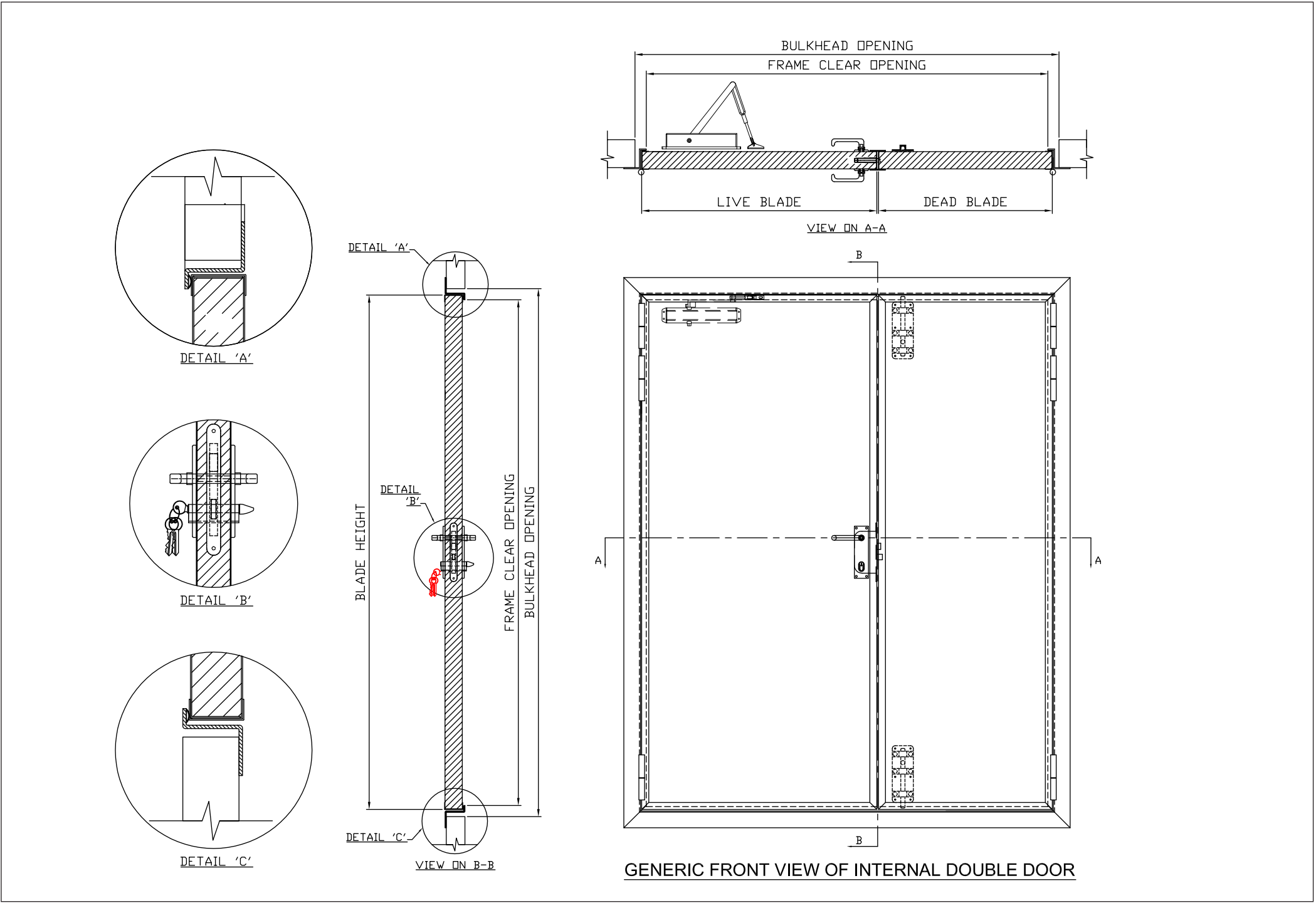
A60 DOUBLE INTERNAL DOOR

Door blades manufactured from 1.5mm steel. 4mm Z section steel frame. Live leaf fitted with single mortice latch, stainless steel lever handles and backplates. Door fitted with stainless steel trim four sides. Heavy duty slip bolts fitted to top and bottom of dead leaf. Doors fitted with a minimum of six heavy duty stainless steel lift off hinges.

Door and frame available in mill finish, prime finish or painted to RAL colour.

- OPTIONS**

 - A60 rated vision panel
 - Stainless steel panic bar
 - Stainless steel finish
 - Powder painted to RAL colour
 - Heavy duty door closer



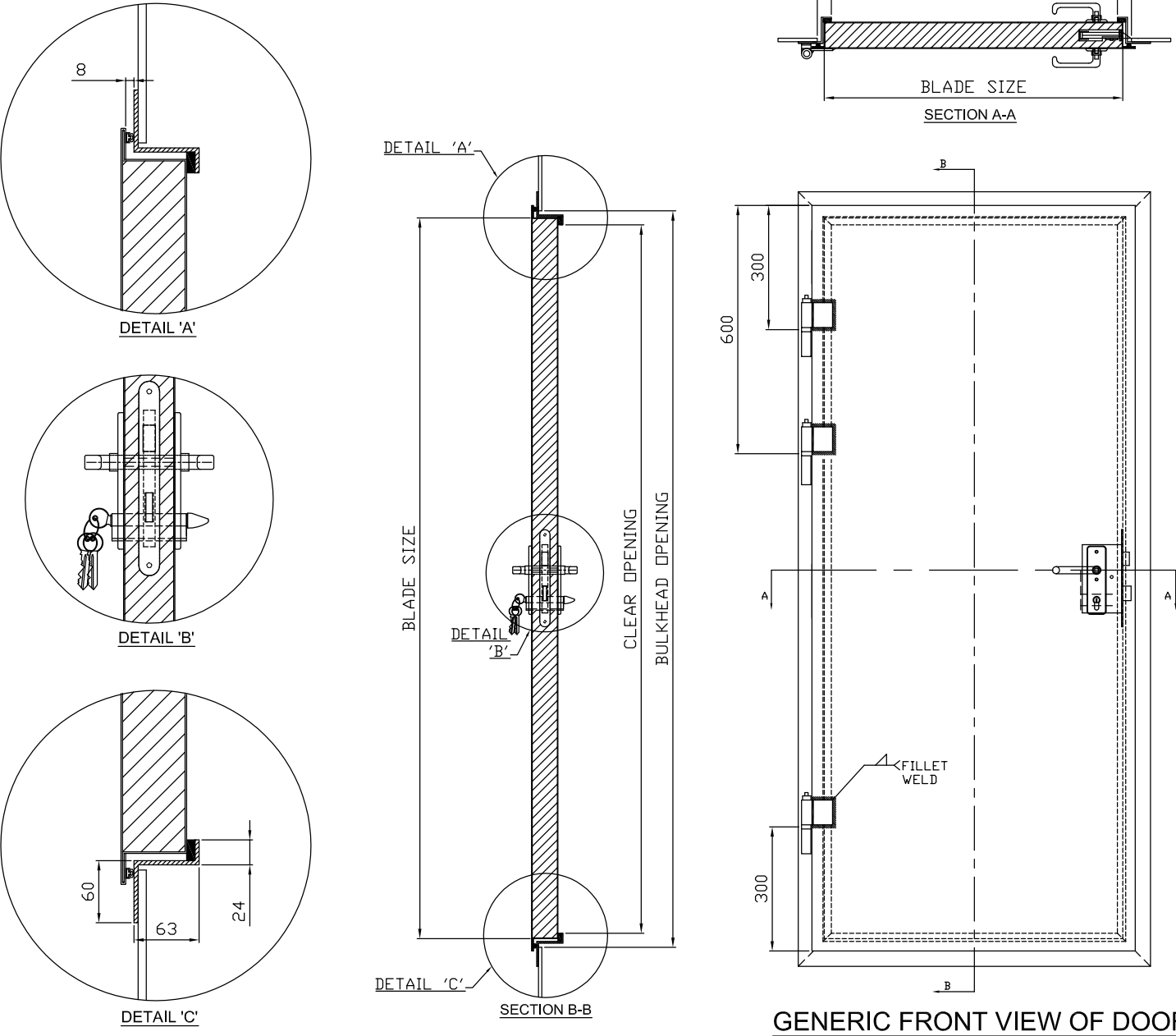


A60 EXTERNAL SINGLE LATCH DOOR

Door blade manufactured from 2mm mild steel.
Door frame manufactured from 4mm Z section frame. 3 heavy duty weld on hinges.
MML stainless latch, stainless steel lever handles and back plates. Finished red oxide primer. Door fitted with 20mm flange four sides and weather/gastight seal.

OPTIONS

- A60 rated vision panel
- Stainless steel finish
- Stainless steel panic bar
- 3 coat offshore specification paint system
- Heavy duty door closer



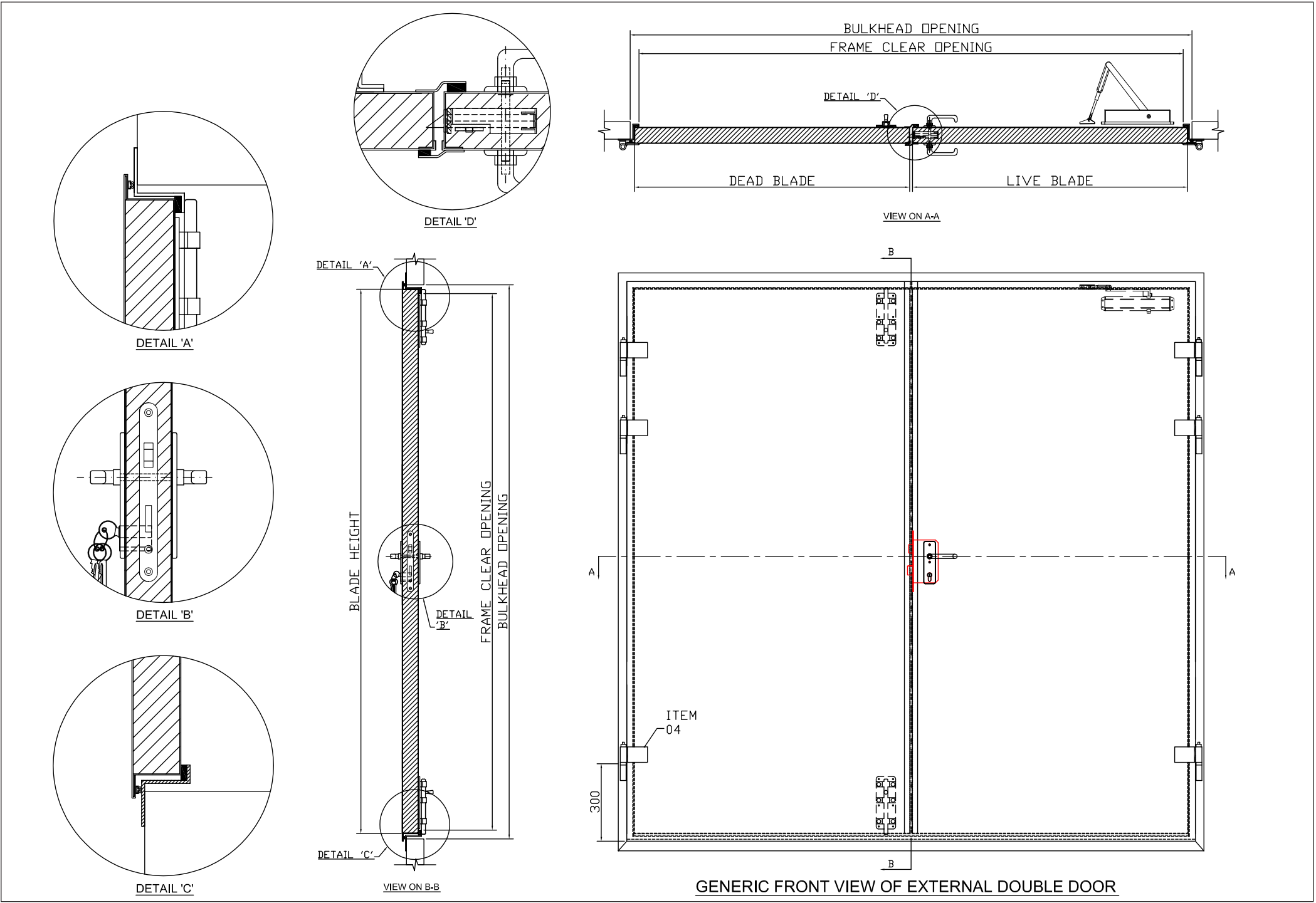


A60 DOUBLE EXTERNAL DOOR

Door blades manufactured from 2 mm steel. 4mm Z section steel frame. Live leaf fitted with single mortice latch, stainless steel lever handles and backplates. Door fitted with 30mm flange four sides. Heavy duty slip bolts fitted to top and bottom of dead leaf. Doors fitted with a minimum of six heavy duty weld on hinges. Door fitted with weathertight/gastight seal for external protection. Door and frame available in mill finish, prime finish or painted to RAL colour.

OPTIONS

- A60 rated vision panel
- Stainless steel panic bar
- Stainless steel finish
- Powder painted to RAL colour
- Heavy duty door closer





A60 SLIDING DOOR

Double skin 2mm mild steel door leaf welded with insulated core, 4mm mild steel frame.

Counter balance weight for closing controlled by air cylinder lever handles and back plates. Door complete with eight wheel sliding carriage.

Heavy duty 4mm mild steel hood at top covering sliding track.



OPTIONS

A60 rated vision panel

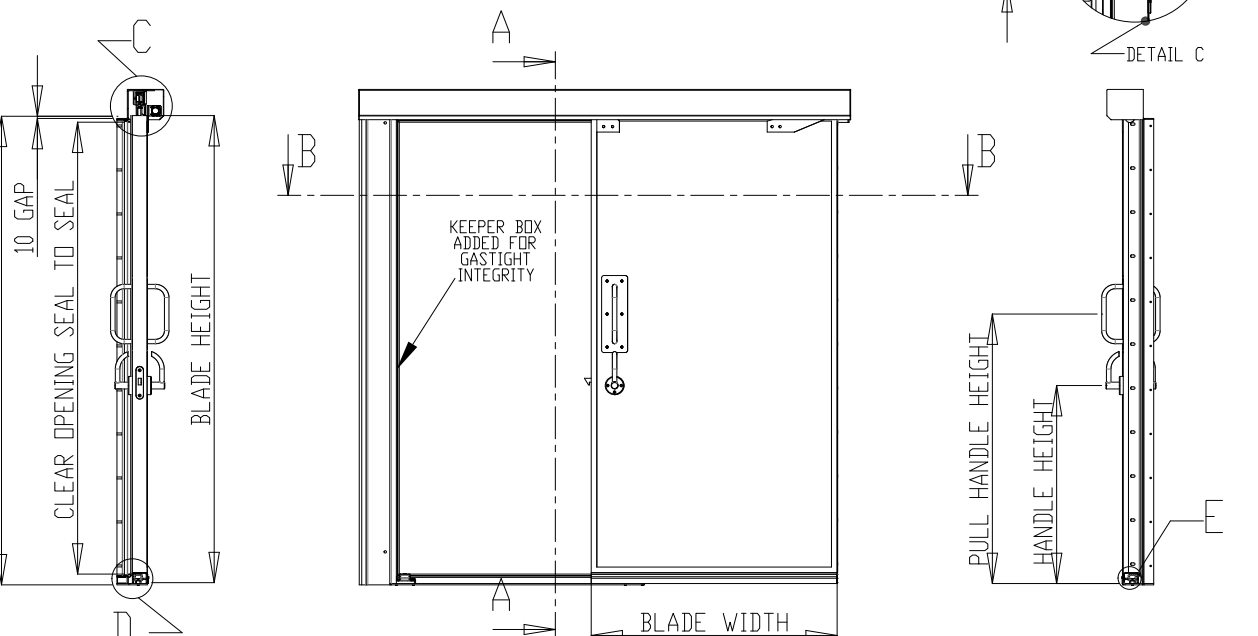
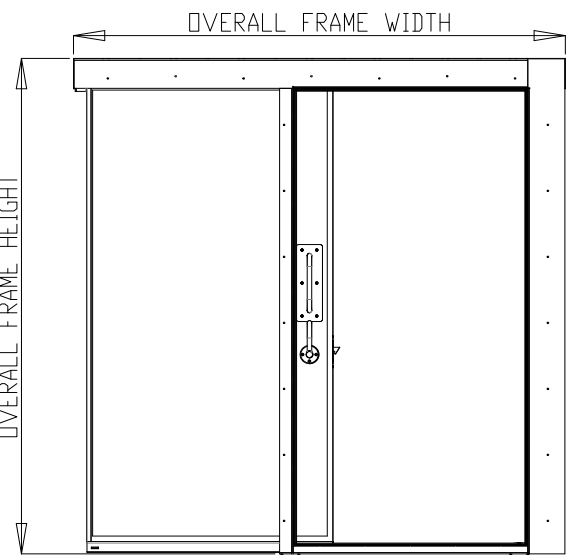
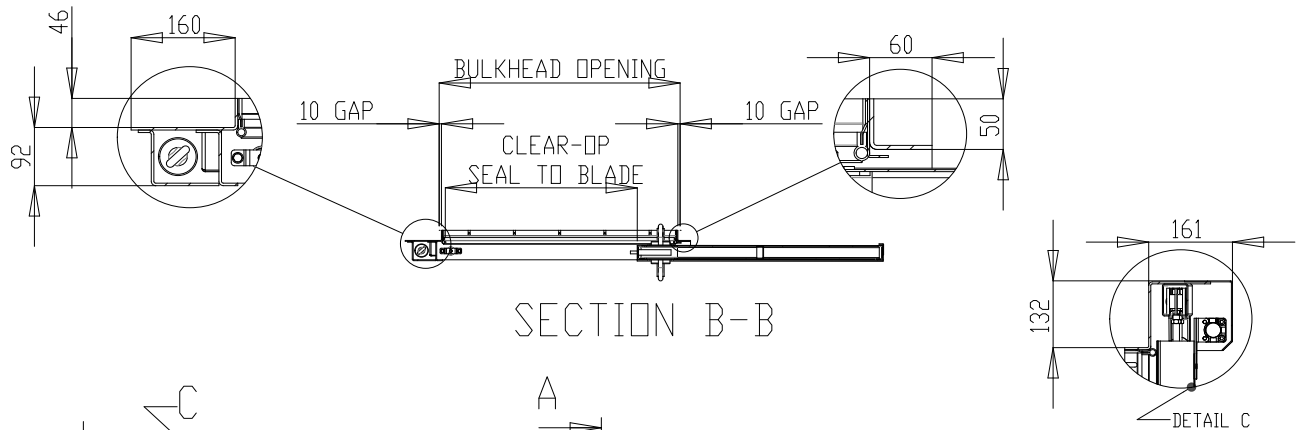
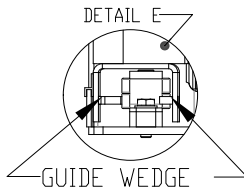
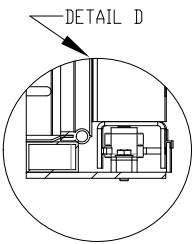
3 coat paint system

Full stainless steel construction

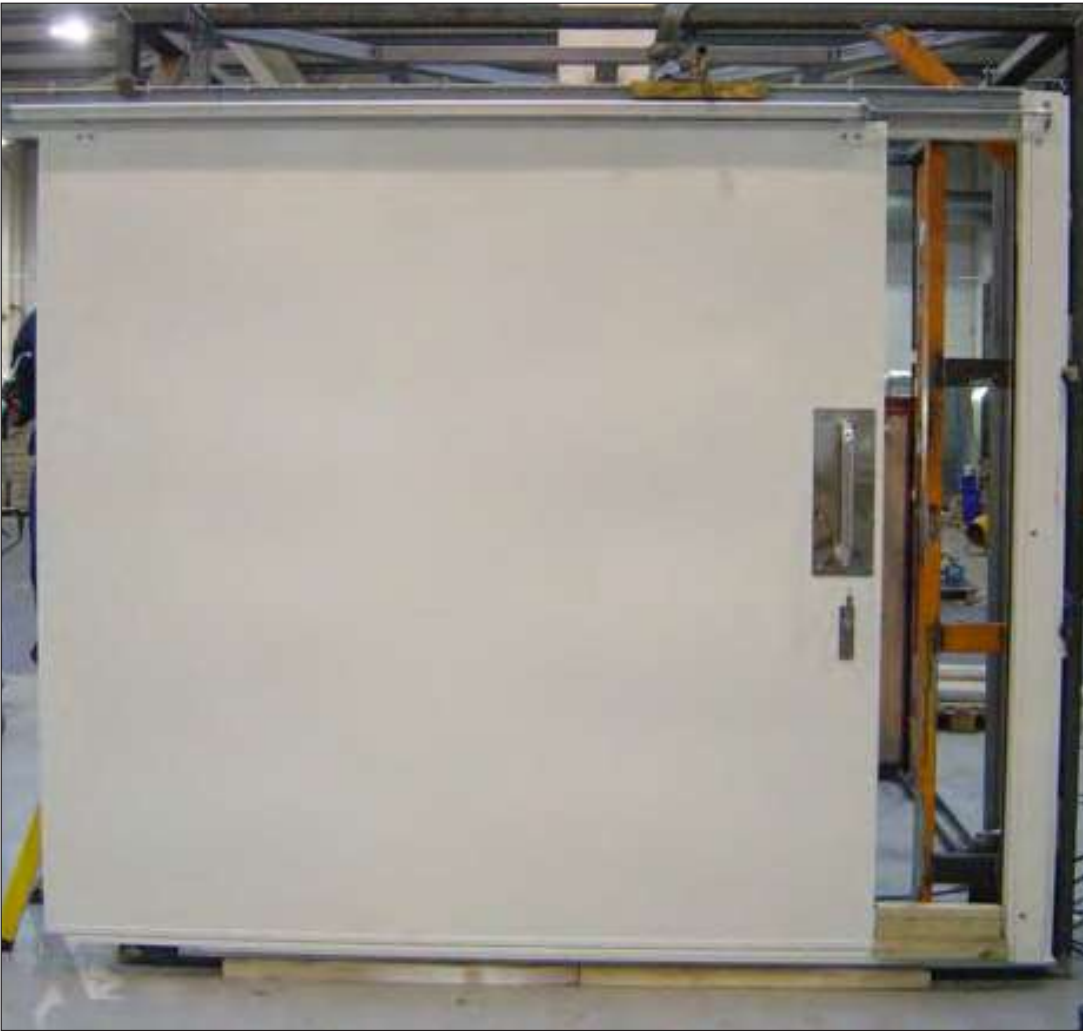
Blast rated

Pneumatic or electric operation

A60 SLIDING DOOR WITH COUNTER BALANCE
RIGHT HAND OPENING



SECTION A-A

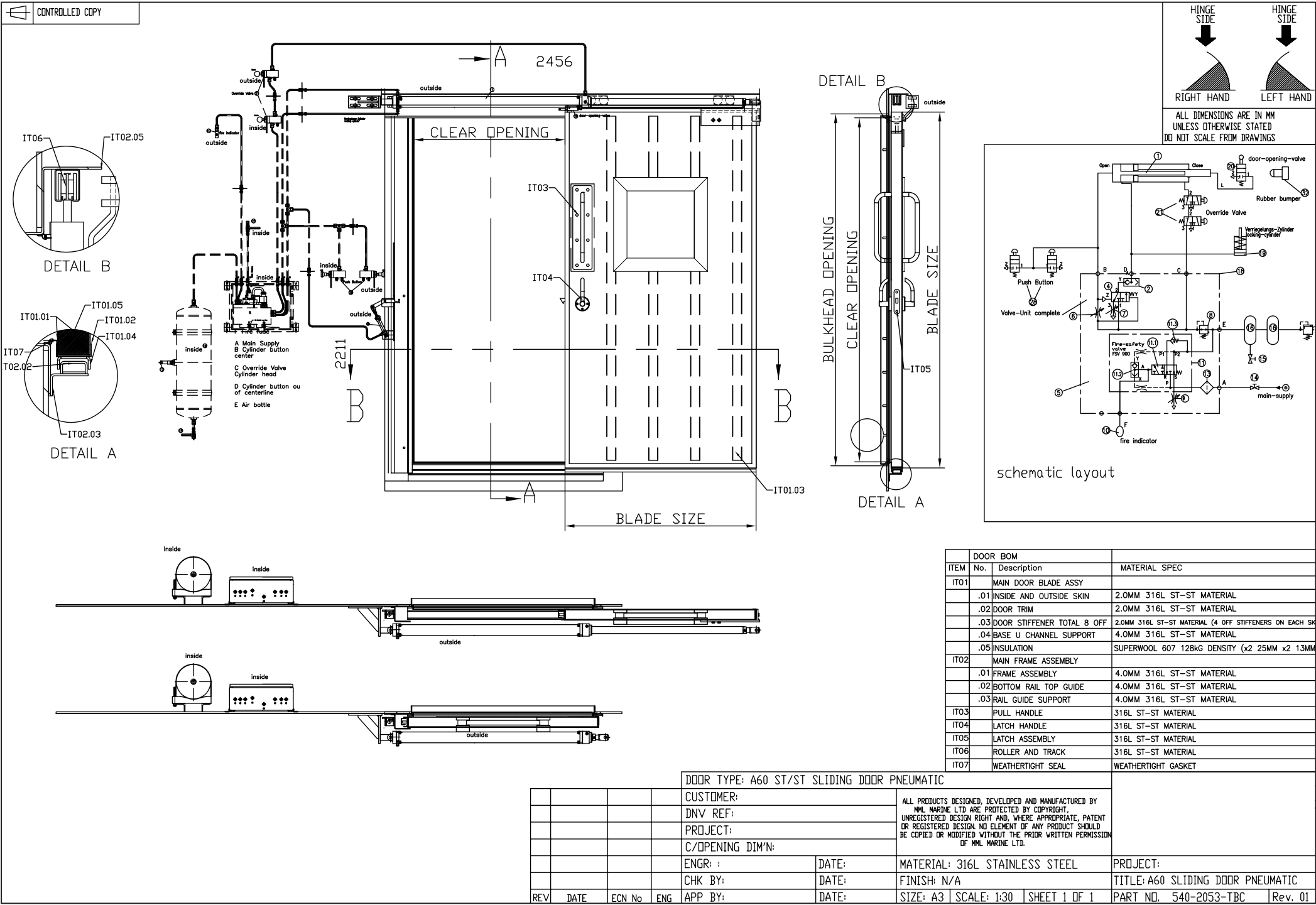


A60 SLIDING PNEUMATIC DOOR

Door blade manufactured from 2mm steel with 4mm L section frame. The door is insulated to A60 with rockwool blanket. The door is designed to be operated by push button operation and is supplied with an AP Marine electric system. Emergency back up for 10 operations. The door is designed for external use and is supplied with full weathertight seal.

OPTIONS

- A60 rated vision panel
- Optional electric system
- Stainless steel construction
- Powder painted to RAL colour



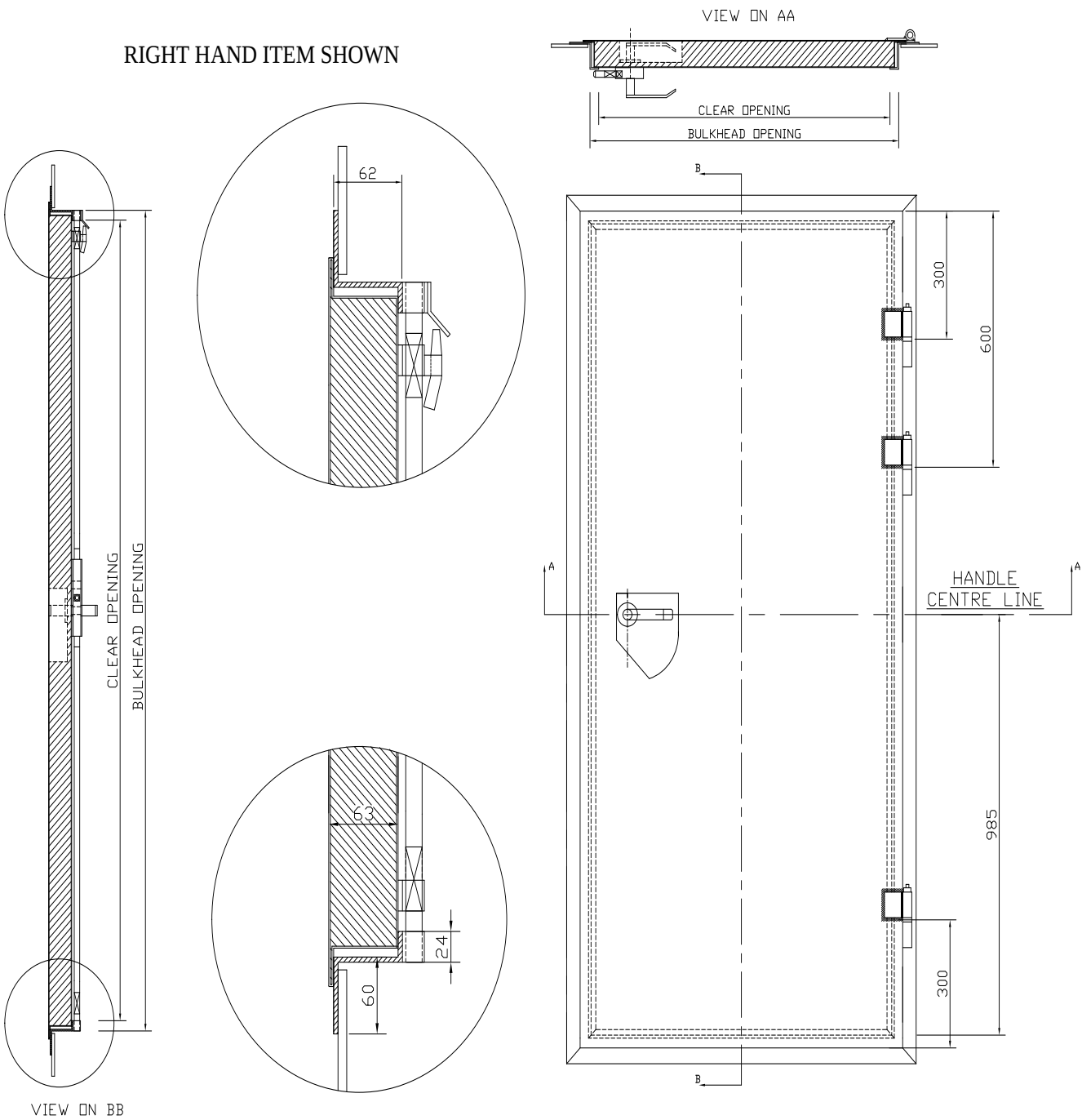


A60 OFFSHORE DOOR

Door manufactured from 2mm double skinned steel. Frame formed from Z section 4mm steel plate, fitted with 3 heavy duty steel lift-off hinges with grease nipple, MML system 'A' internal surface mounted 3 point auto latching arrangement with recessed external lever handle with Mill finish, splash/gas-tight seals.

OPTIONS

- A60 rated vision panel
- Stainless steel panic bar
- Stainless steel construction
- 3 coat offshore specification paint system
- Blast rated

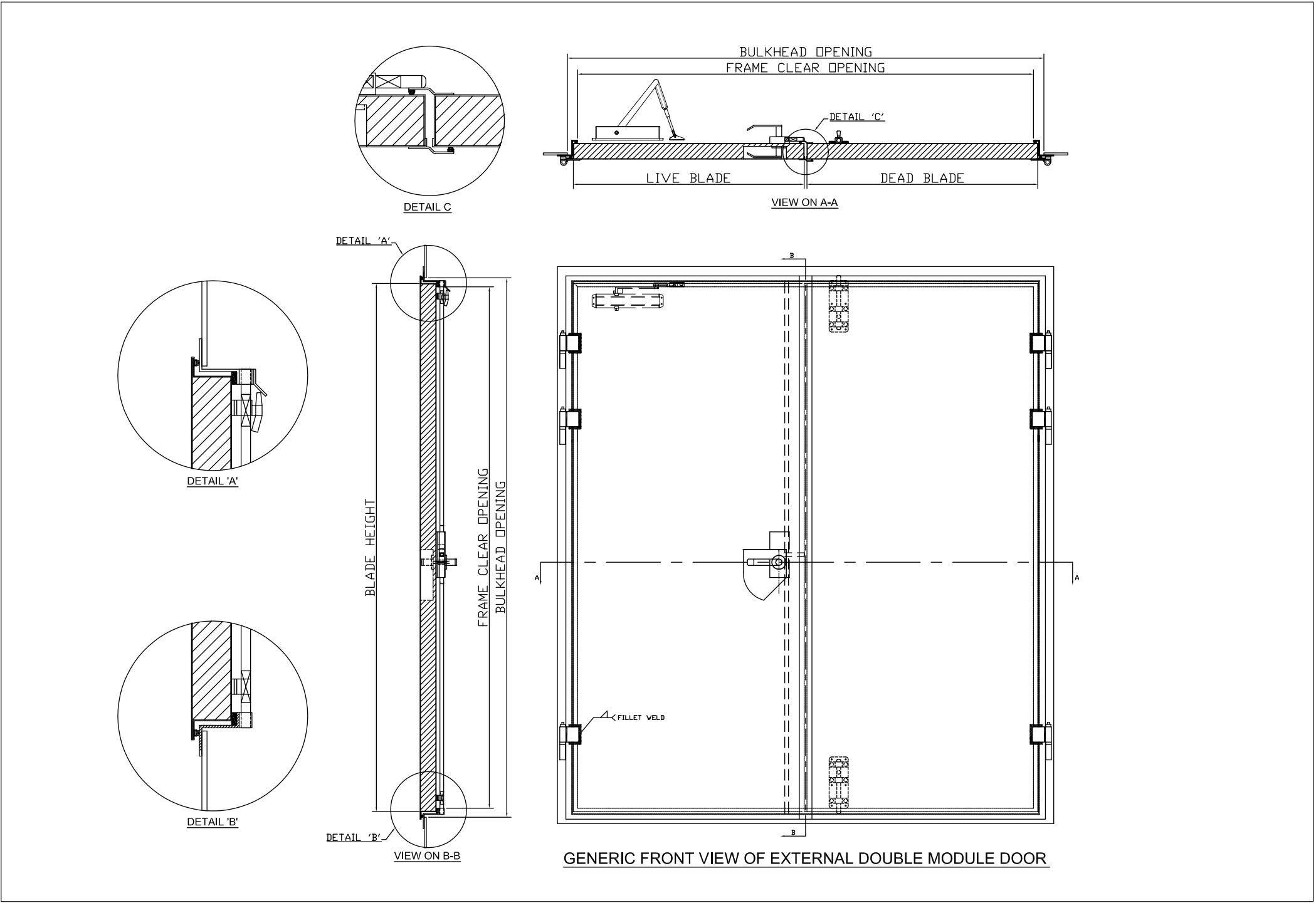




A60 OFFSHORE DOUBLE EXTERNAL MODULE DOOR

Door blades manufactured from 2mm steel. 4mm Z section steel frame. Live leaf fitted with 3 point surface mounted latching system with external stainless steel recessed lever handle. Door fitted with 30mm flange four sides. Heavy duty slip bolts fitted to top and bottom of dead leaf. Doors fitted with a minimum of six heavy duty weld on hinges. Door fitted with weathertight/gastight seal for external protection. Door and frame available in mill finish, prime finish or painted to RAL colour.

- OPTIONS**
- A60 rated vision panel
 - Stainless steel panic bar
 - Stainless steel finish
 - 3 coat offshore specification paint system
 - Heavy duty door closer
 - Blast rated



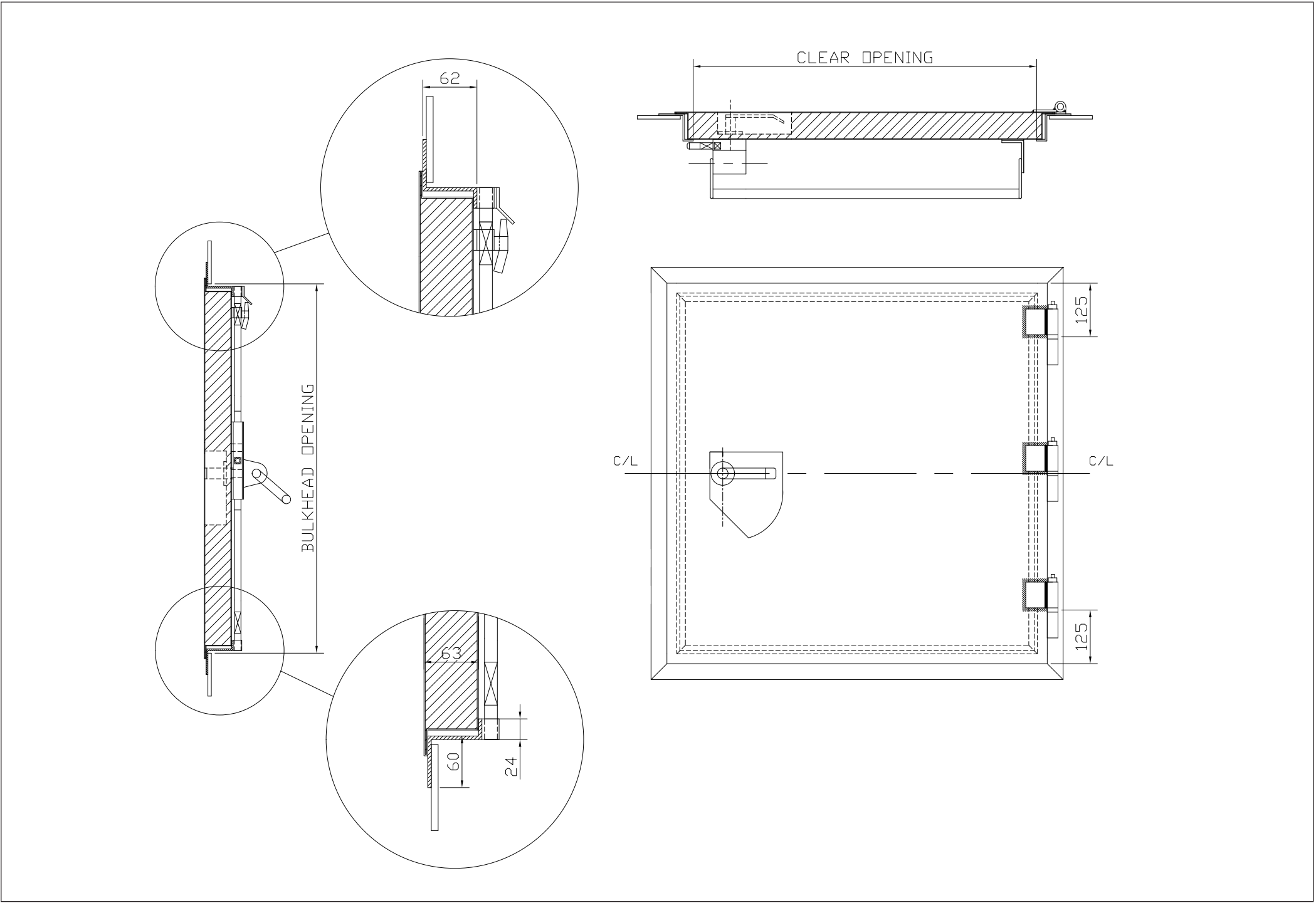


A60 OFFSHORE ESCAPE HATCH

Hatch manufactured from double skinned steel plate. Z section steel frame formed from 4mm steel plate fitted with 3 heavy duty steel lift-off hinges with grease nipple, MML system 'B' internal surface mounted 3 point auto latching arrangement with panic bar and recessed external lever handle. Mill Finish, Splash proof/ gas tight seals.

OPTIONS

- A60 rated vision panel
- 3 coat offshore specification paint system
- Stainless steel construction





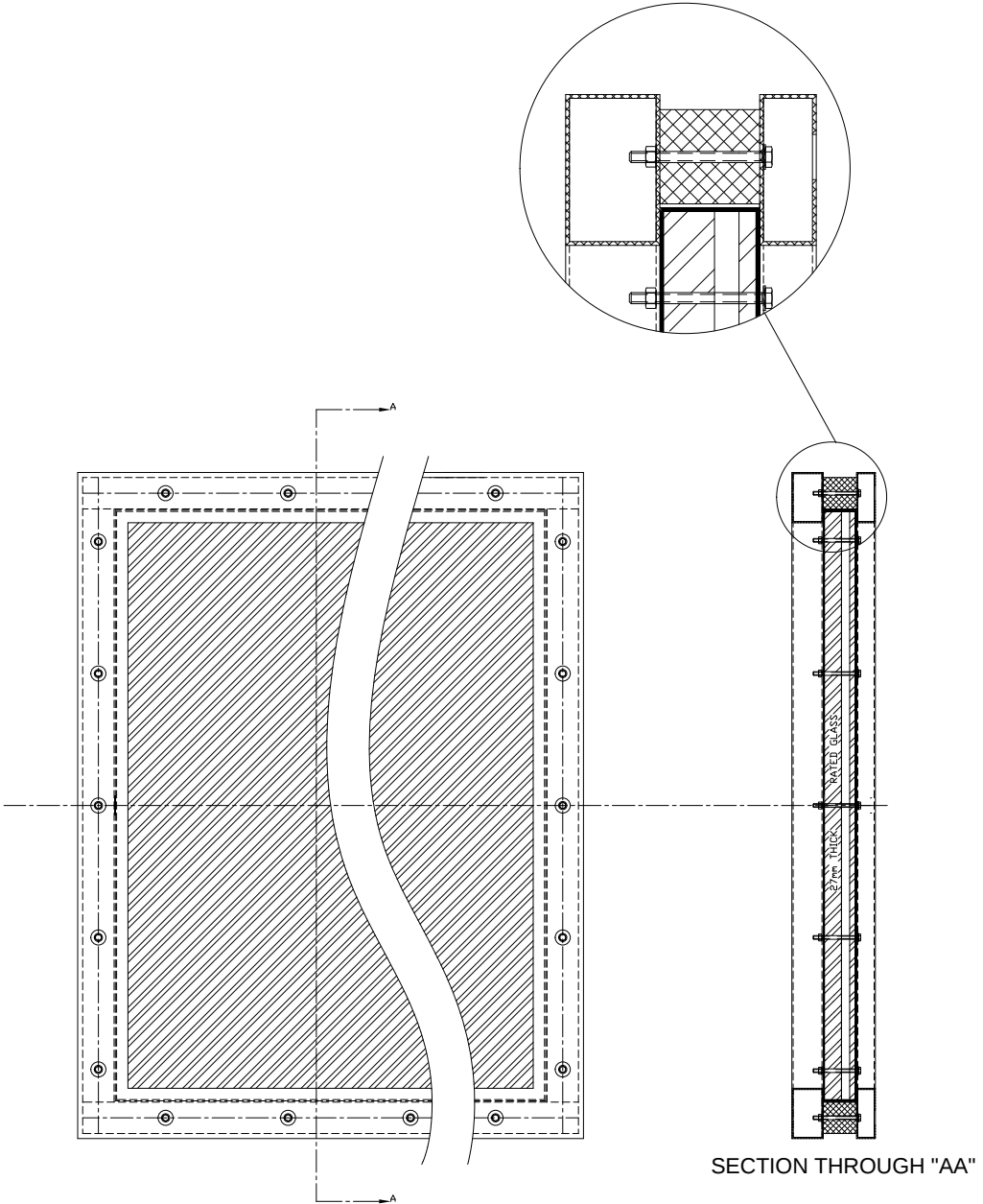
A0 & A60 WINDOWS

Window manufactured using 27mm thick Pilkington glass. 80 x 50 mm box section frame for welding into steel bulkhead, 80 x 30 mm box section, to be bolted through high density board. Window frame finished with stainless steel cover trim.

OPTIONS

- Frame finish in RAL colour
- Grey tint glass
- Blast rated

A60 OFFSHORE WINDOW



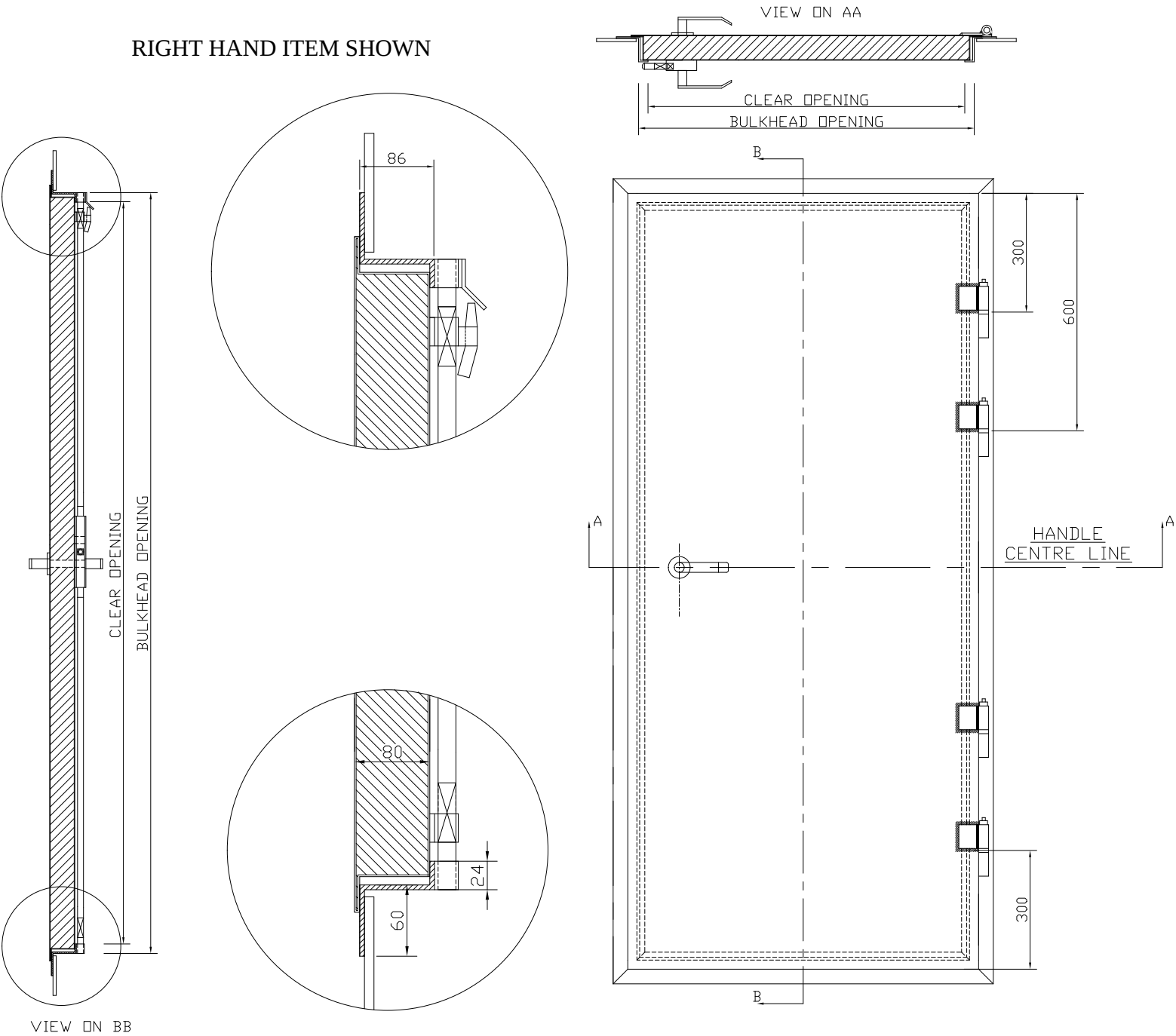


H60 OFFSHORE DOOR

Door blade manufactured from 2 mm mild steel door skins. Door fitted with MML 'H' system internal surface mounted 3 point auto latching arrangement with panic bar and recessed lever handles. Door and frame fitted with 4 heavy duty lift off stainless steel hinges. Z section mild steel frame with weather tight seal.

OPTIONS

- Stainless steel panic bar
- Stainless steel construction
- Door closer
- Blast rated
- Pneumatic operation



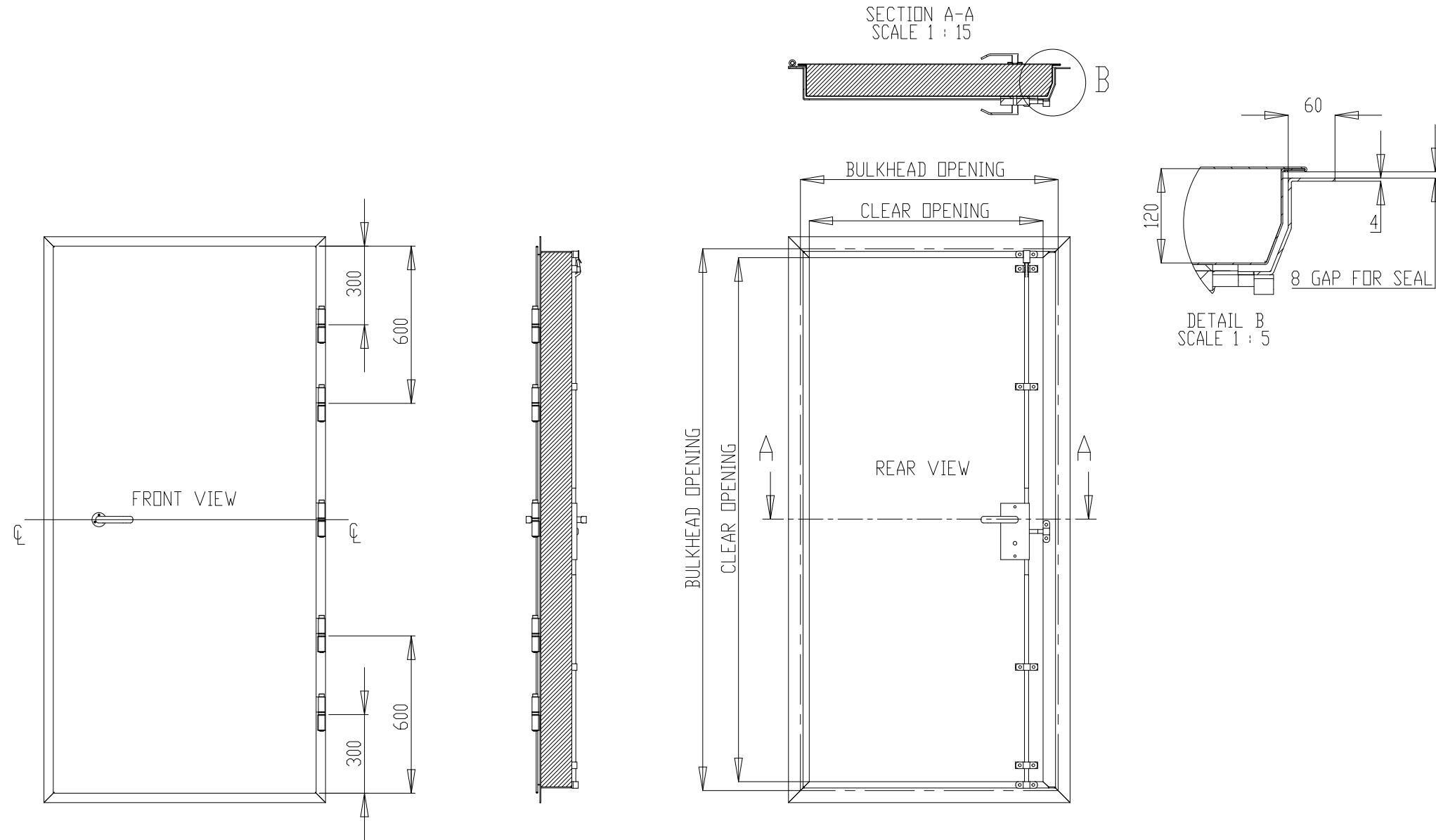


H120 OFFSHORE DOOR

Door blade manufactured from stainless steel door skins filled with super wool insulation. Z section frame formed with stainless steel. Door and frame fitted with 4 heavy-duty lift off stainless steel hinges with grease nipple. MML 3 point stainless steel surface mounted latching system with lever handles both sides. Door complete with heavy-duty door closer. Door and frame fitted with weather-tight seal and runner fitted front and back of door.

OPTIONS

- Stainless steel panic bar
- Stainless steel construction
- Door closer
- Blast rated



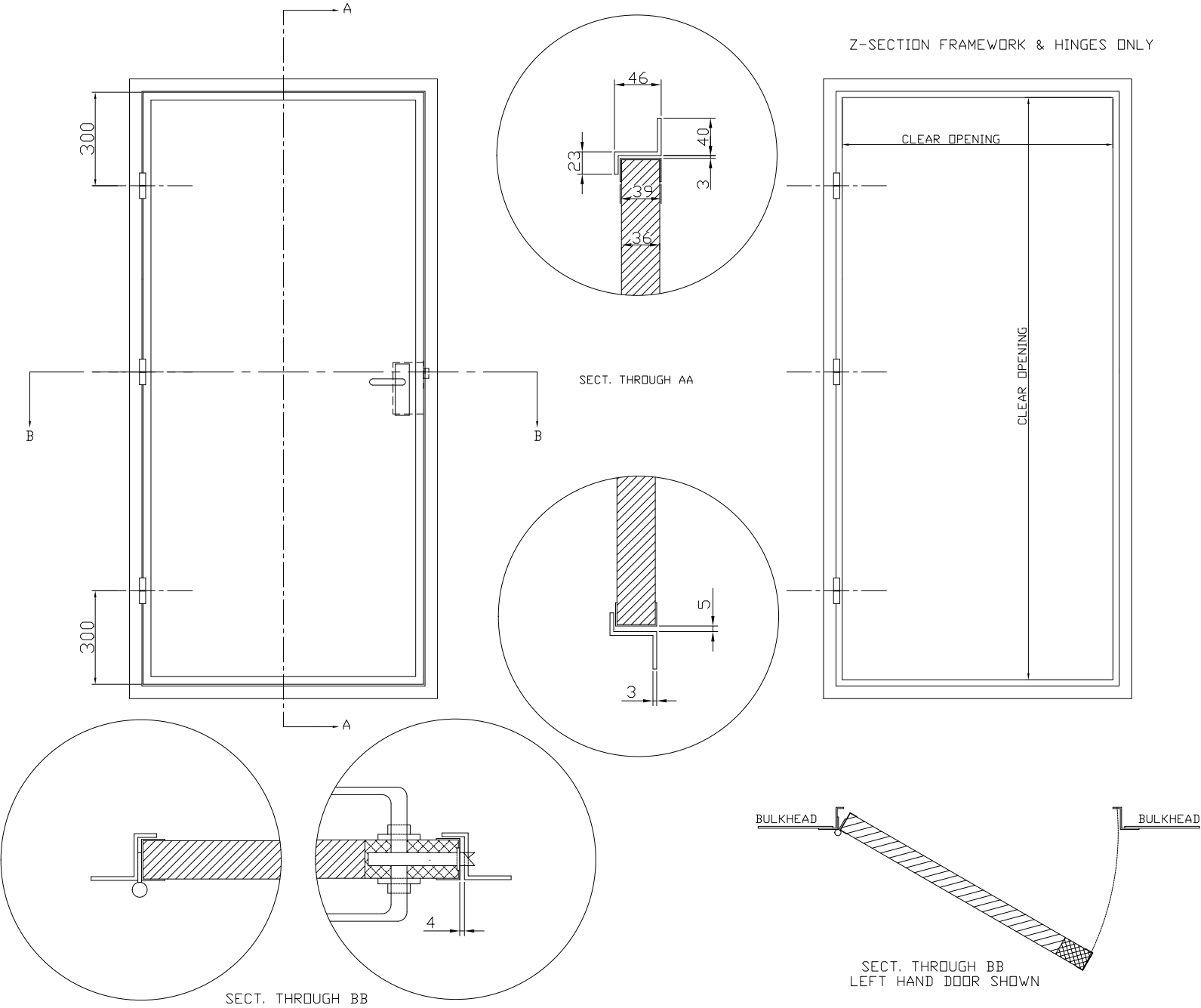


A0/A15 INTERNAL DOOR

Door frame manufactured from Z section frame, finish prime painted. Door blade finish prime painted both sides 3 stainless steel lift off hinges. MML mortise latch, stainless steel lever handles and back plates.

OPTIONS

- Powder painted finish
- Laminate finish
- Stainless steel construction
- Door closer

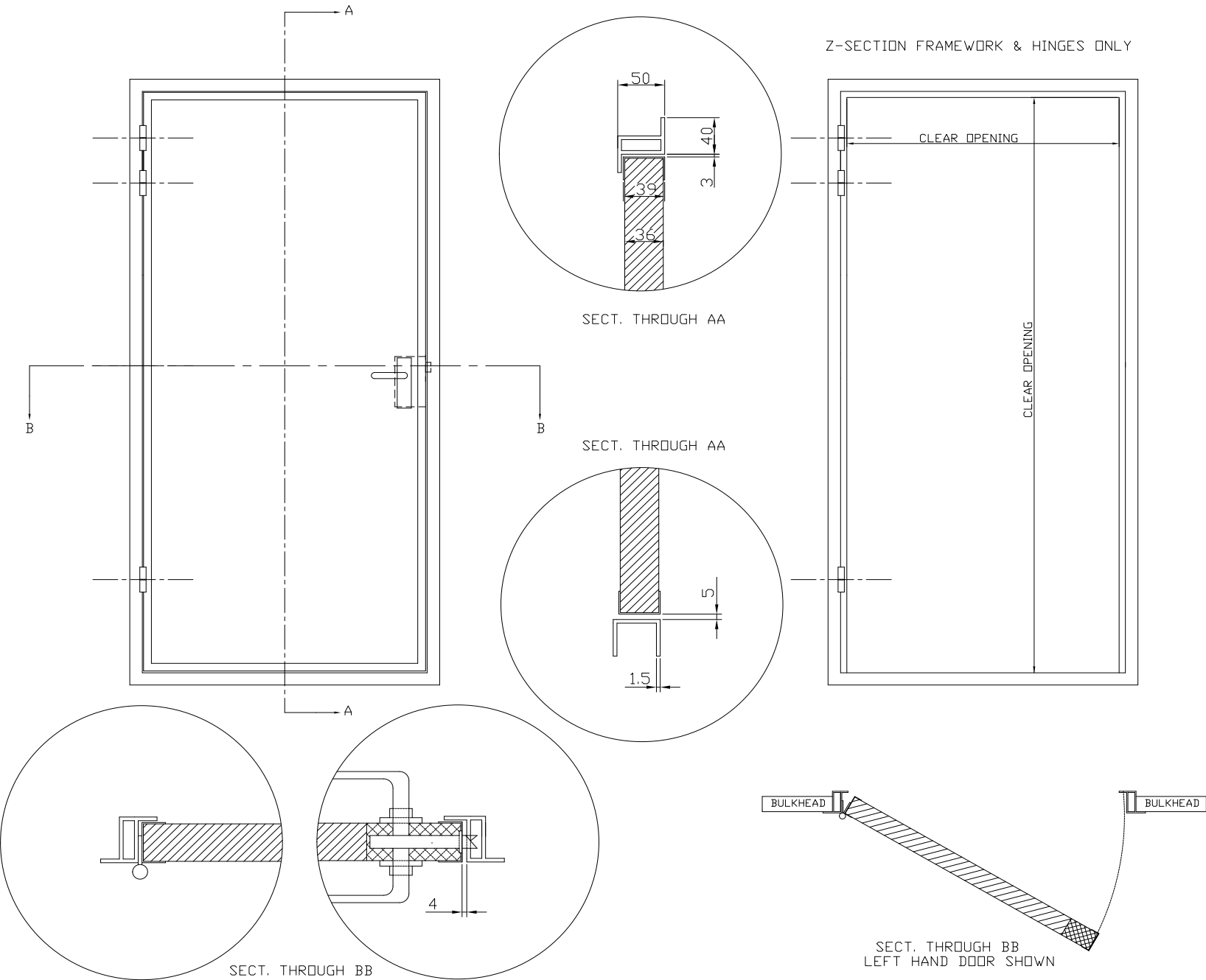




B15 INTERNAL DOOR

Door frame manufactured from Z box section frame, finish powder painted. Door blade finish powder painted both sides with stainless steel edge trim, 3 stainless steel lift off hinges. MML mortise latch, stainless steel lever handles and back plates.

- OPTIONS**
- 150cm2 stainless steel vent
 - Door closer
 - WC lock with red/green indicator





B15 SLIDING DOOR

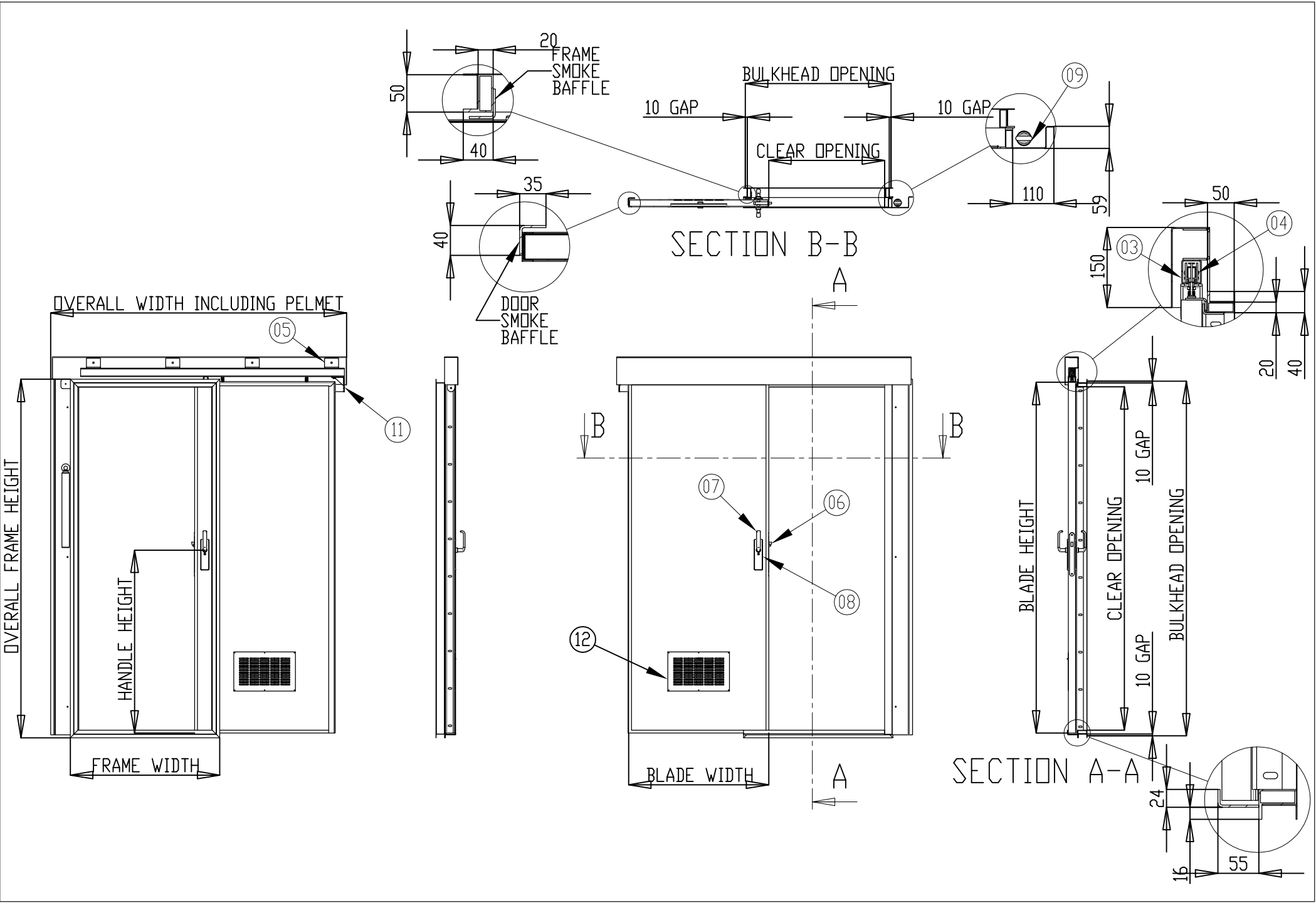
Door manufactured from 0.9mm double skinned mild steel. Door frame manufactured from L box section. Frame suitable for bolting or welding to structure. Door blade fitted with stainless steel trim four sides. Stainless steel mortice latch, lever handles and backplates.

OPTIONS

150cm2 stainless steel vent

Electrical operation

WC lock with red/green indicator



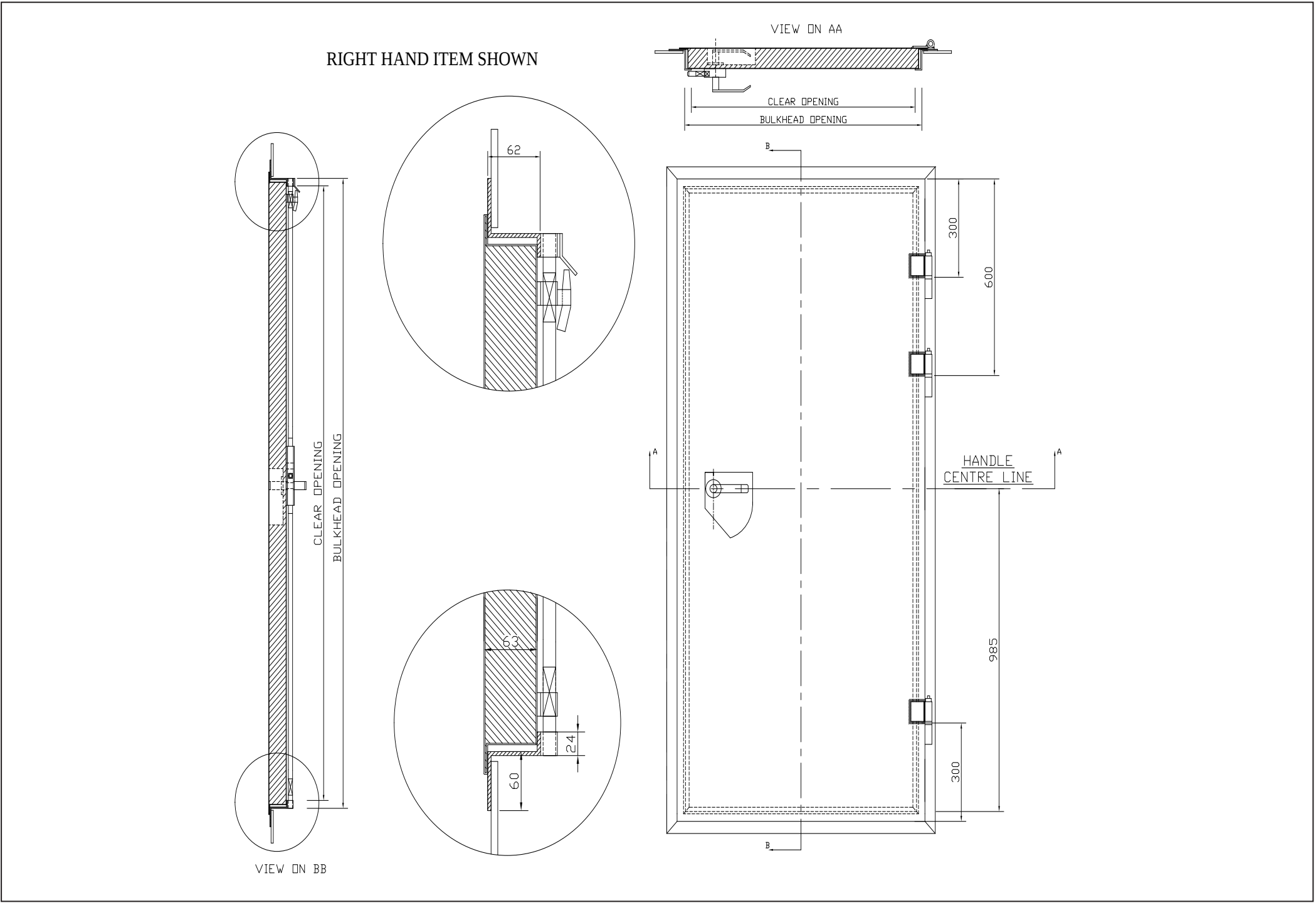


SINGLE BLAST RATED DOORS

Door blade manufactured from 2mm steel. 4mm Z section steel frame. Door leaf fitted with mortice lock, stainless steel lever handles and backplates both sides. Door fitted with 30mm flange four sides and fitted with a minimum of three heavy duty weld on hinges. Door fitted with weathertight/gastight seal for external protection. Door and frame available in mill finish, prime finish or painted to RAL colour. Door designed to take a blast pressure of up to 0.5 bar.

OPTIONS

- A60 rated vision panel
- Stainless steel panic bar
- Stainless steel finish
- Powder painted to RAL colour
- Heavy duty door closer



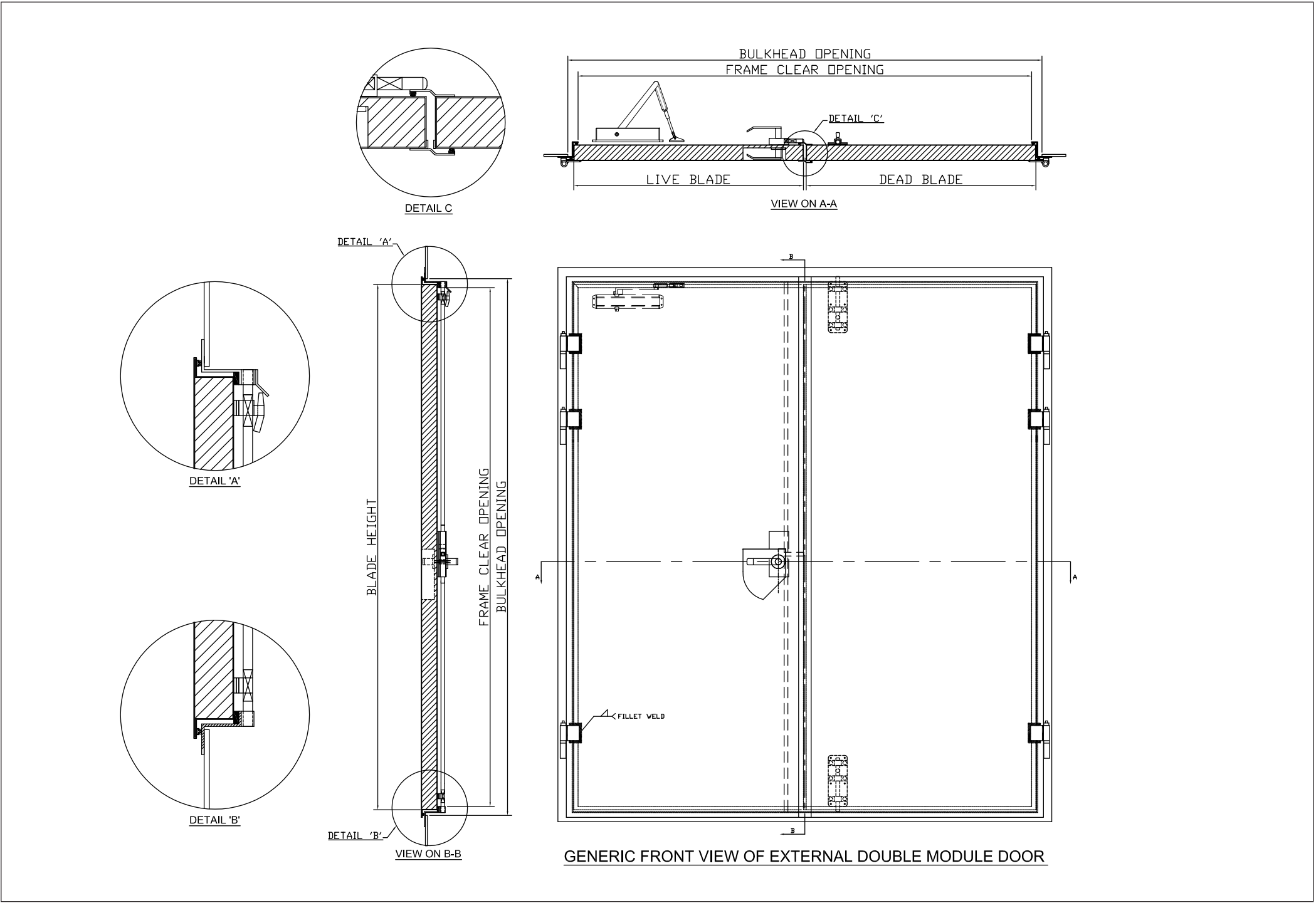


DOUBLE BLAST RATED DOORS

Door blades manufactured from 2mm steel. 4mm Z section steel frame. Live leaf fitted with mortice lock, stainless steel lever handles and backplates both sides. Dead leaf fitted with heavy duty slip bolts fitted top and bottom. Door fitted with 30mm flange four sides and fitted with a minimum of six heavy duty weld on hinges. Door fitted with weathertight/gastight seal for external protection. Door and frame available in mill finish, prime finish or painted to RAL colour. Door designed to take a blast pressure of up to 0.5 bar.

OPTIONS

- A60 rated vision panel
- Stainless steel panic bar
- Stainless steel finish
- Powder painted to RAL colour
- Heavy duty door closer





4 CLIP GASTIGHT DOOR

The Door is manufactured from 8mm cover plate and is fitted with suitably stiffened with weld on ribs. Door Frame manufactured from 75x50x8mm steel. Door fitted 40x25mm section perimeter seal. Door is secured by 4 clips linked together and operated by a single lever handle both sides finished in stainless steel. Suitable for welding direct to structure. Standard finish for this product is SA2.5 and red oxide primer.

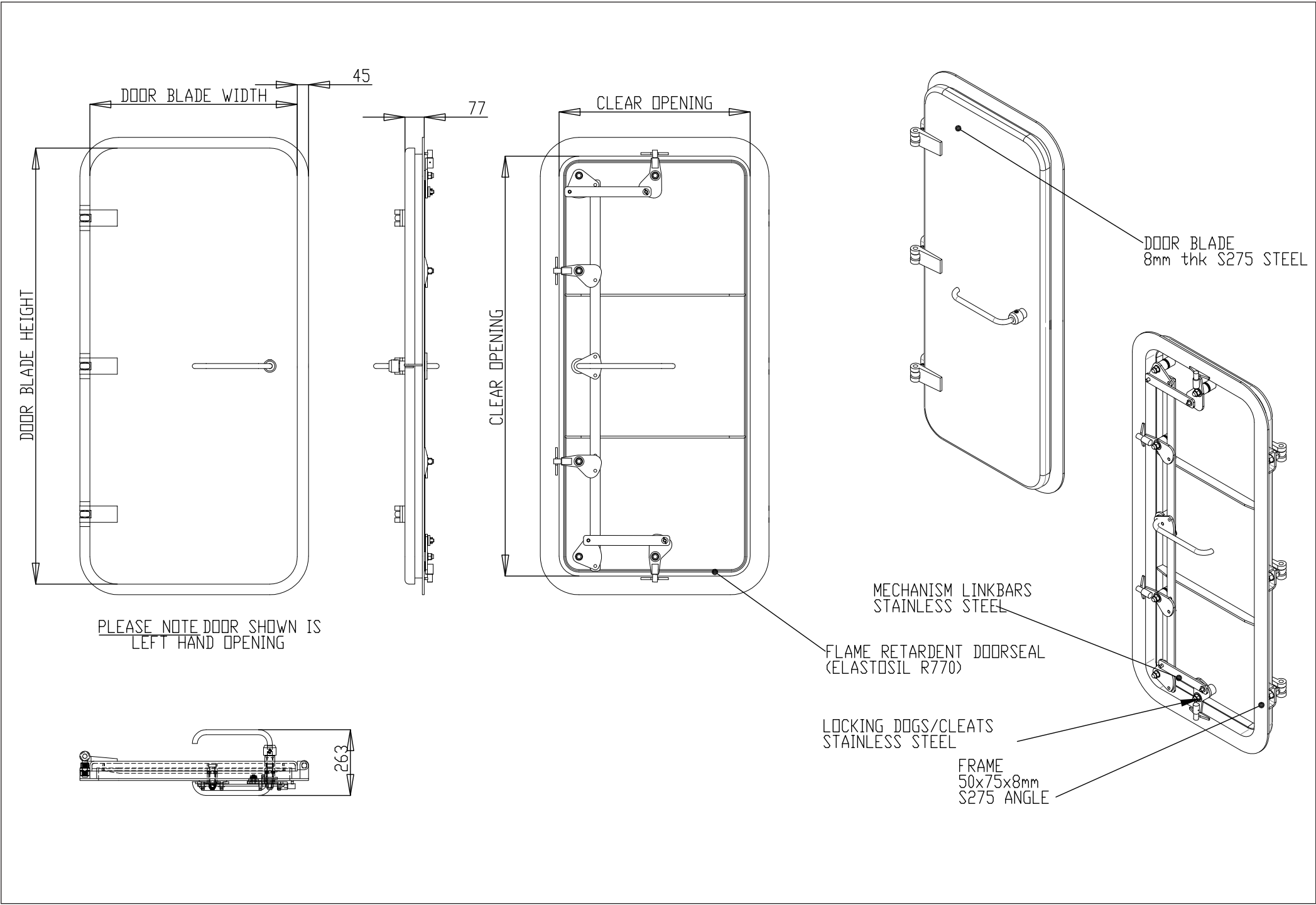
OPTIONS

250mm porthole

Stainless steel construction

Independent clips

Powder painted to RAL colour



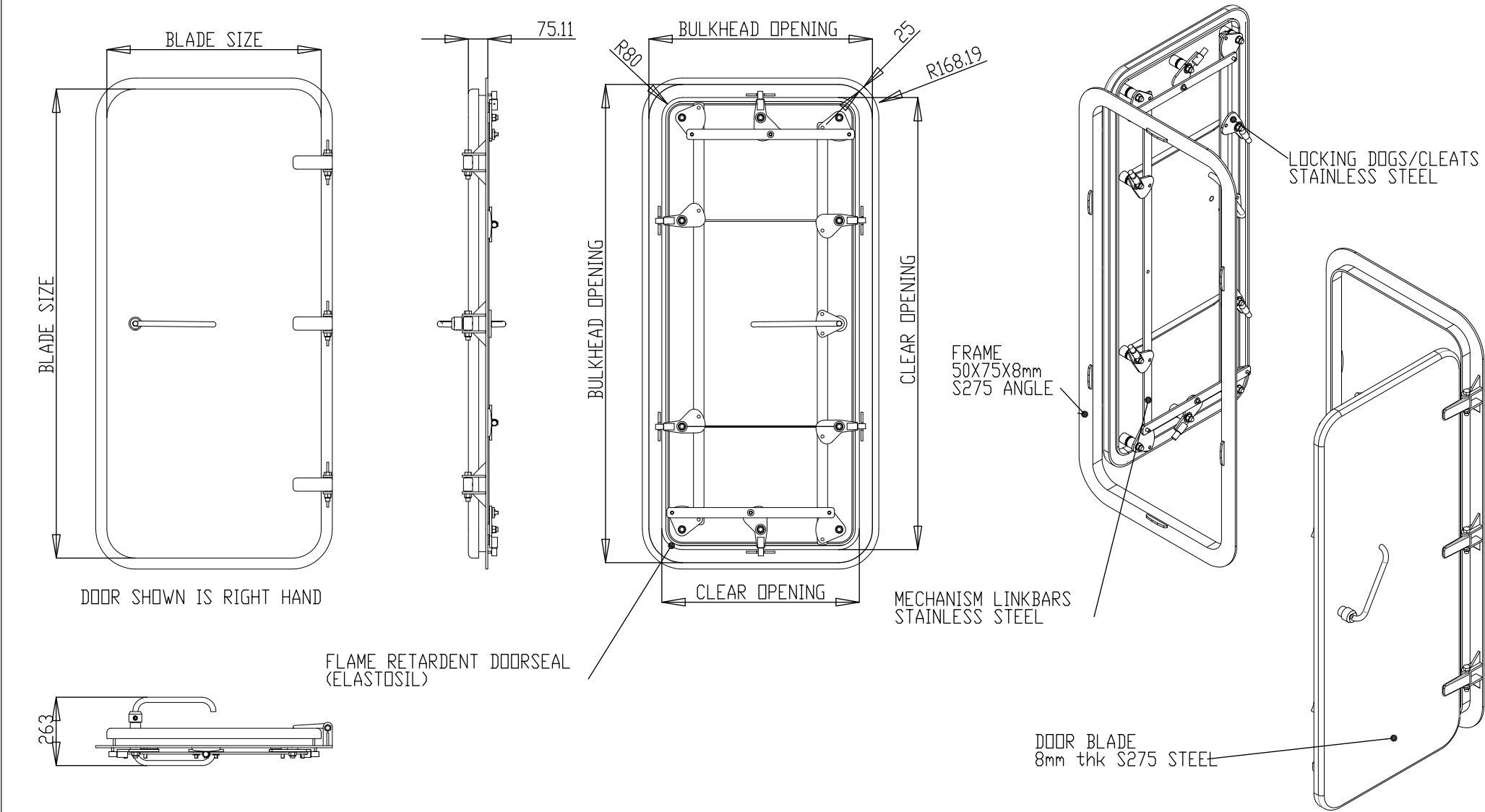


6 CLIP WEATHERTIGHT DOOR

The Door is manufactured from 8mm cover plate and is fitted with suitably stiffened with weld on ribs. Door Frame manufactured from 75x50x8mm steel. Door fitted 40x25mm section perimeter seal. Door is secured by 6 clips linked together and operated by a single lever handle both sides finished in stainless steel. Suitable for welding direct to structure. Standard finish for this product is SA2.5 and red oxide primer.

OPTIONS

- 250mm porthole
- Stainless steel construction
- Independent clips
- Powder painted to RAL colour



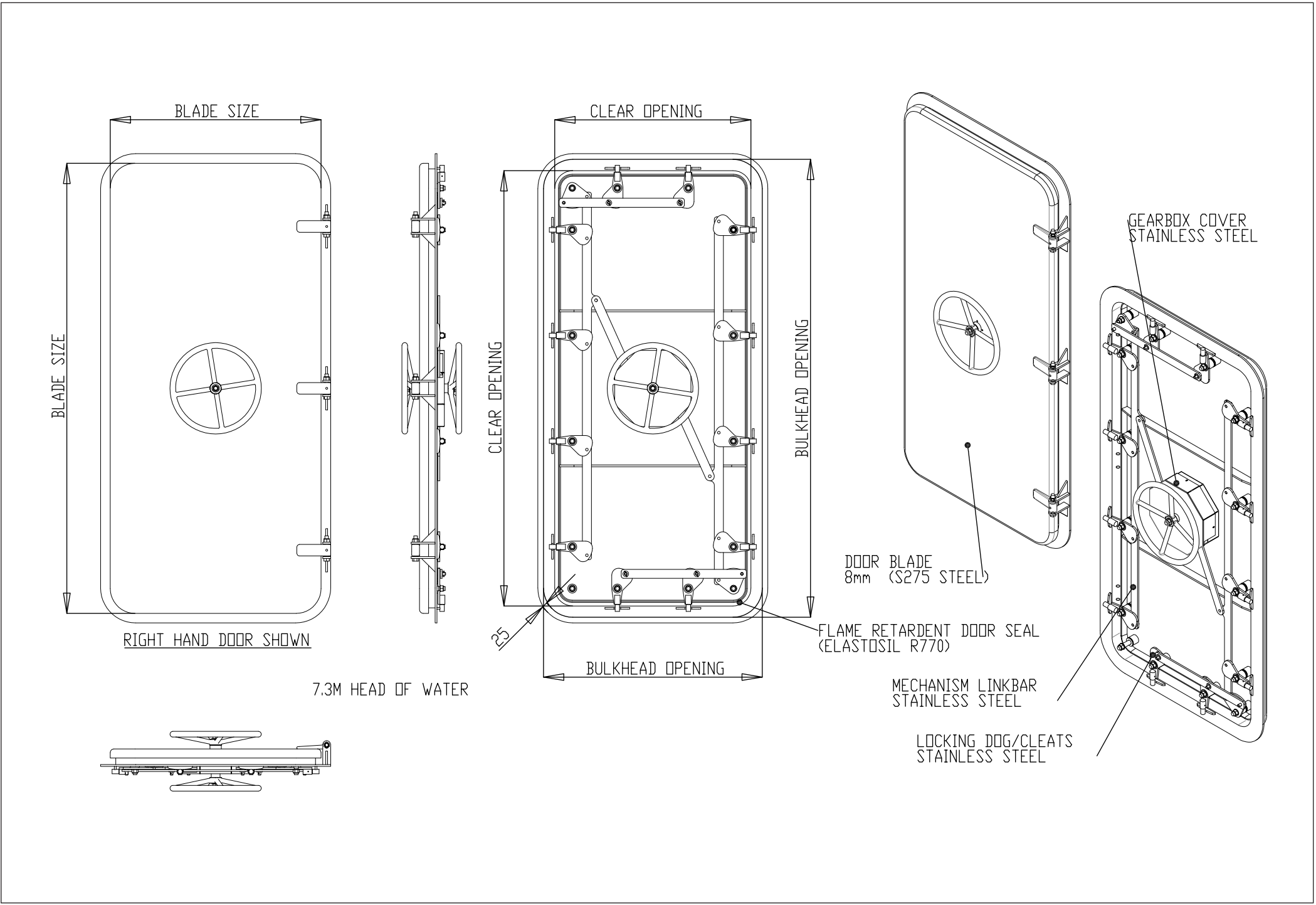


12 CLIP WATERTIGHT DOOR MILD STEEL

The door is manufactured from 8mm mild steel cover plate and suitably stiffened with weld on ribs. The door is fitted with a 40 x 25mm section perimeter seal. The door is secured by 12 clips which are linked together and operated by a central hand wheel both sides. This door can withstand a 7m head of water.

OPTIONS

- 250mm porthole
- Stainless steel construction
- Independent clips
- Powder painted to RAL colour



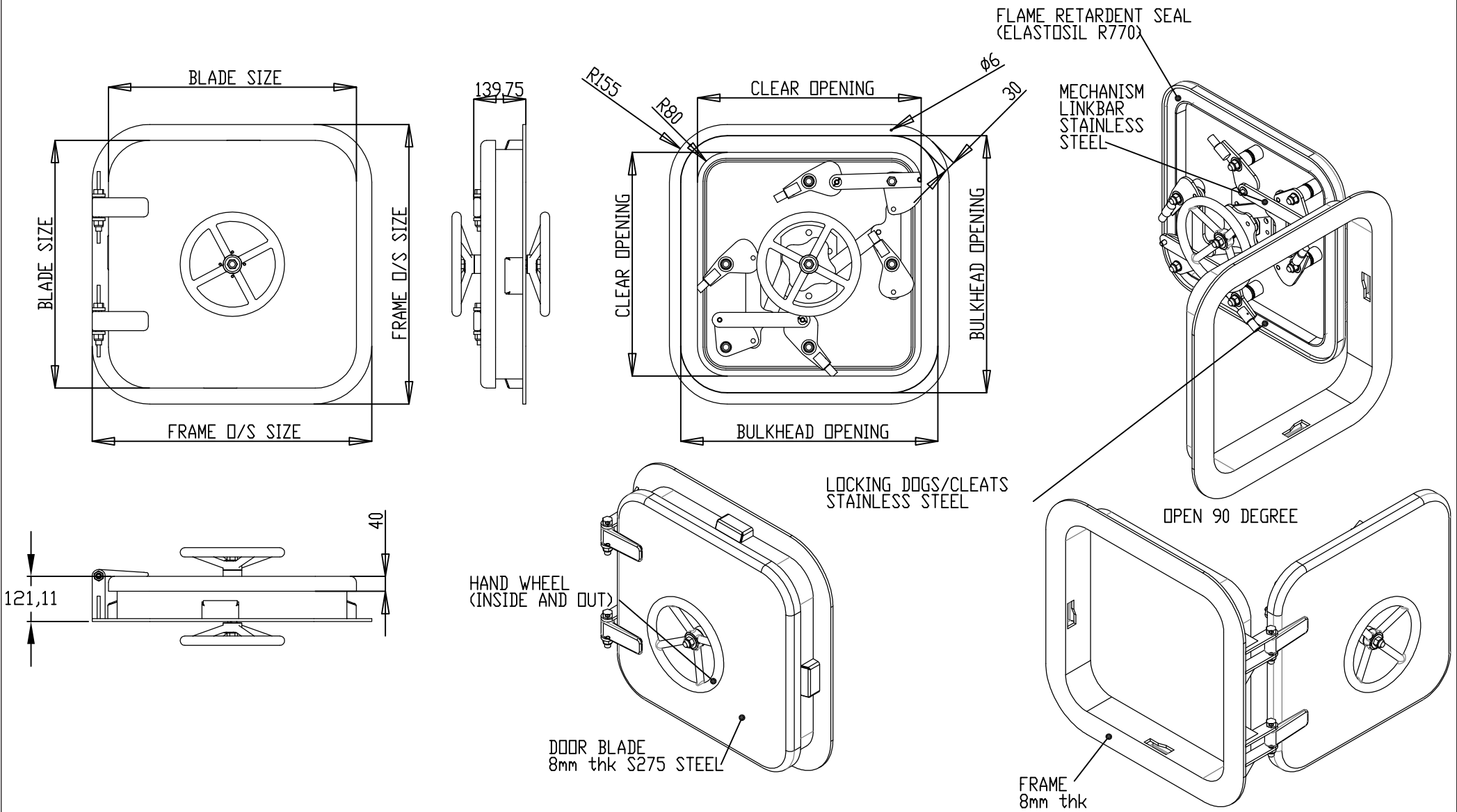


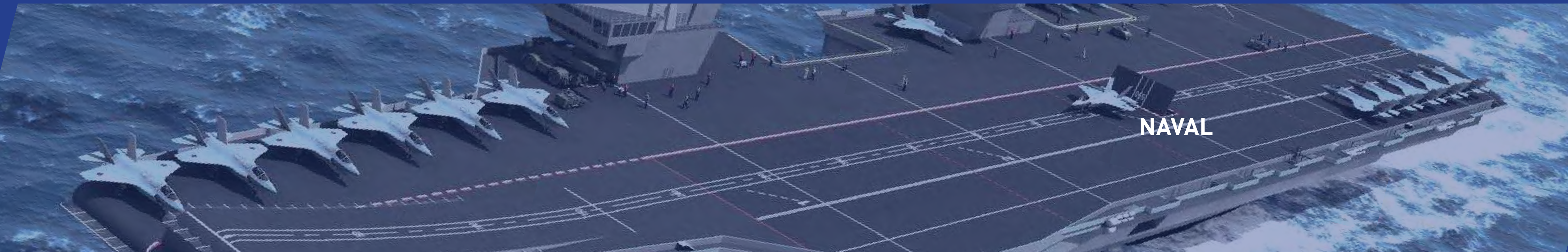
WATERTIGHT HATCH

Hatch manufactured from 8mm thick cover plate suitably stiffened with weld on ribs and fitted with a 40x25mm EPDM section perimeter seal. Hatch secured by linking of four points and operated by stainless steel central handwheel fitted both sides. This can also be supplied as a flush deck hatch with T key operation from above if required. The hatch is supplied with two hinge point with spring assist operation. Suitable for welding direct to structure. Standard finish for this product is SA2.5 and red oxide primer.

OPTIONS

- Stainless steel construction
- Independent clips
- Powder painted to RAL colour



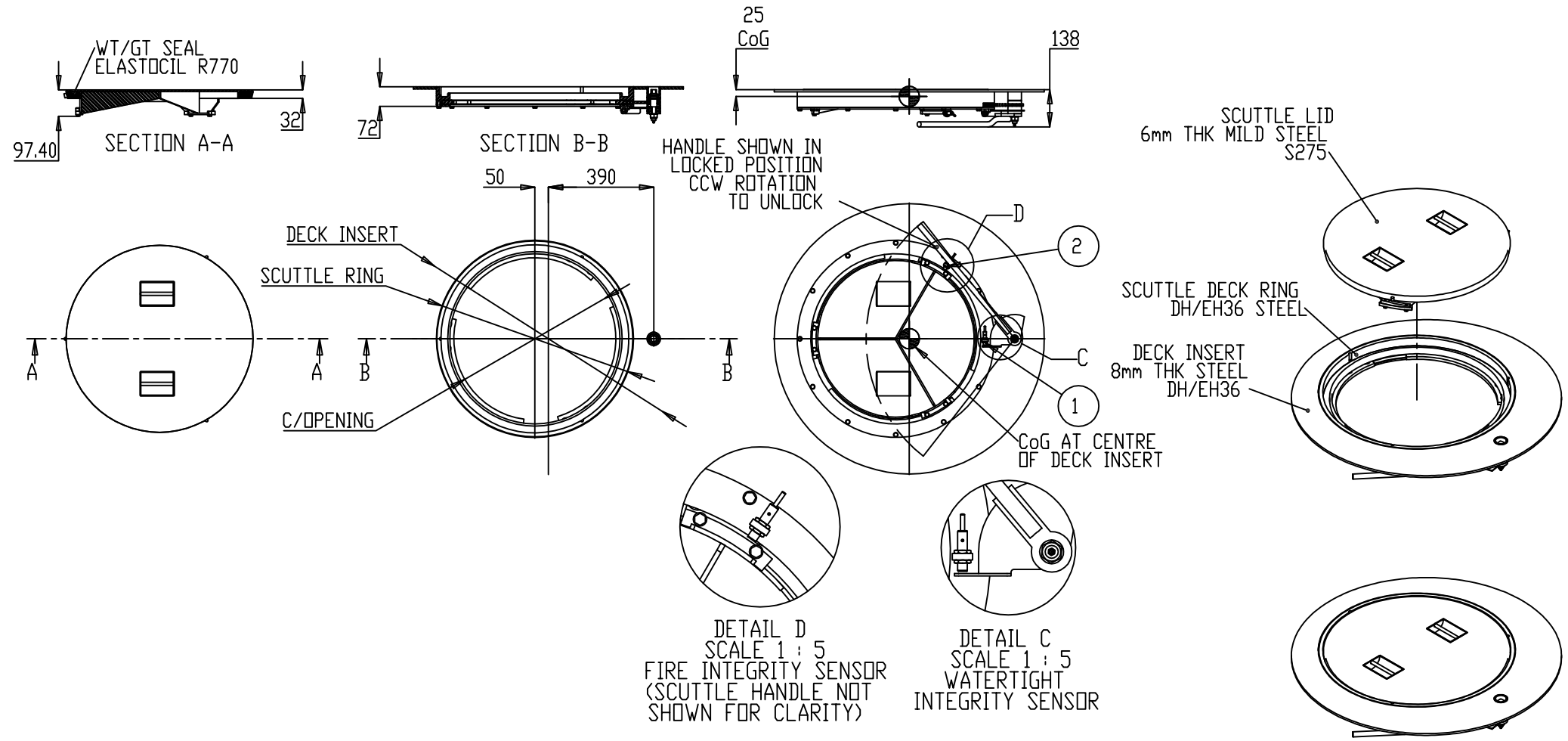


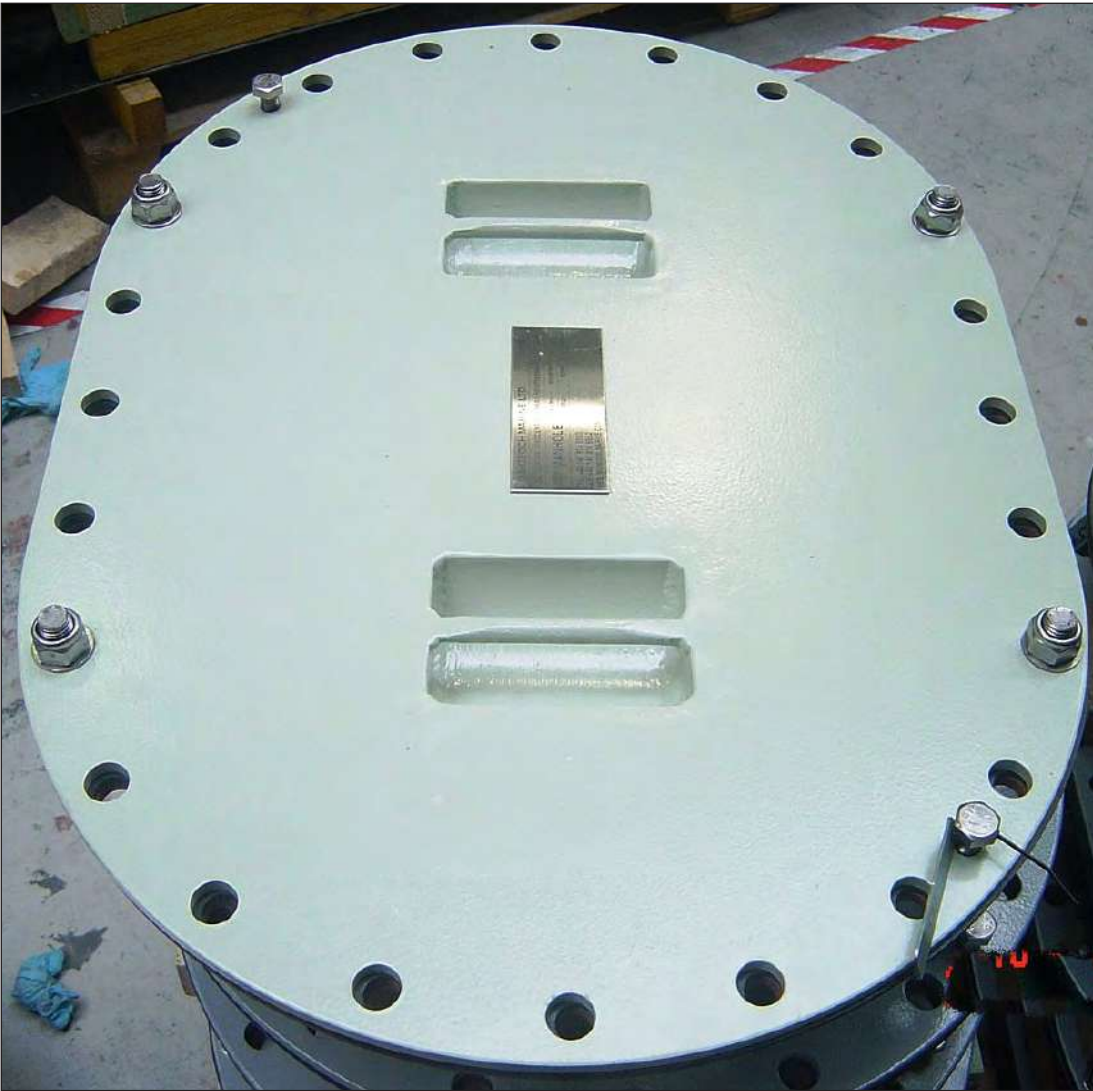
NAVAL



SCUTTLE

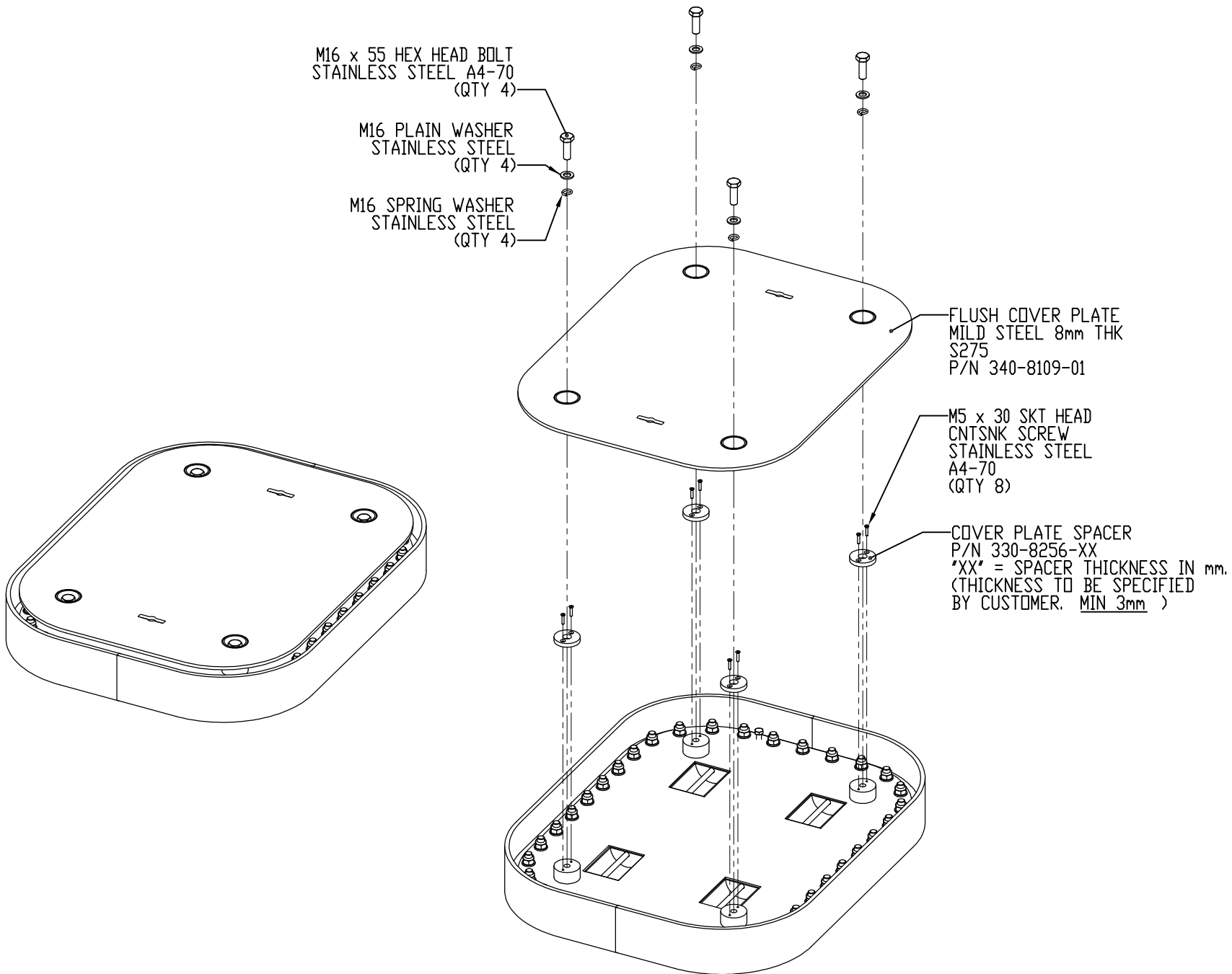
Manufactured from 4mm mild steel.
Complete with frame and decking
insert. Fitted with a quick acting 3 clip
system with one handle operation.
Handle can be fitted on both sides if
required. Standard size 540mm clear
opening. This product is shock rated
and withstand 5m head of water.





MANHOLE COVER

This manhole cover manufactured from 6mm mild steel complete with frame and operated by 4 clips. The clips are operated independently. The manhole is shock rated and withstands a 5m head of water.



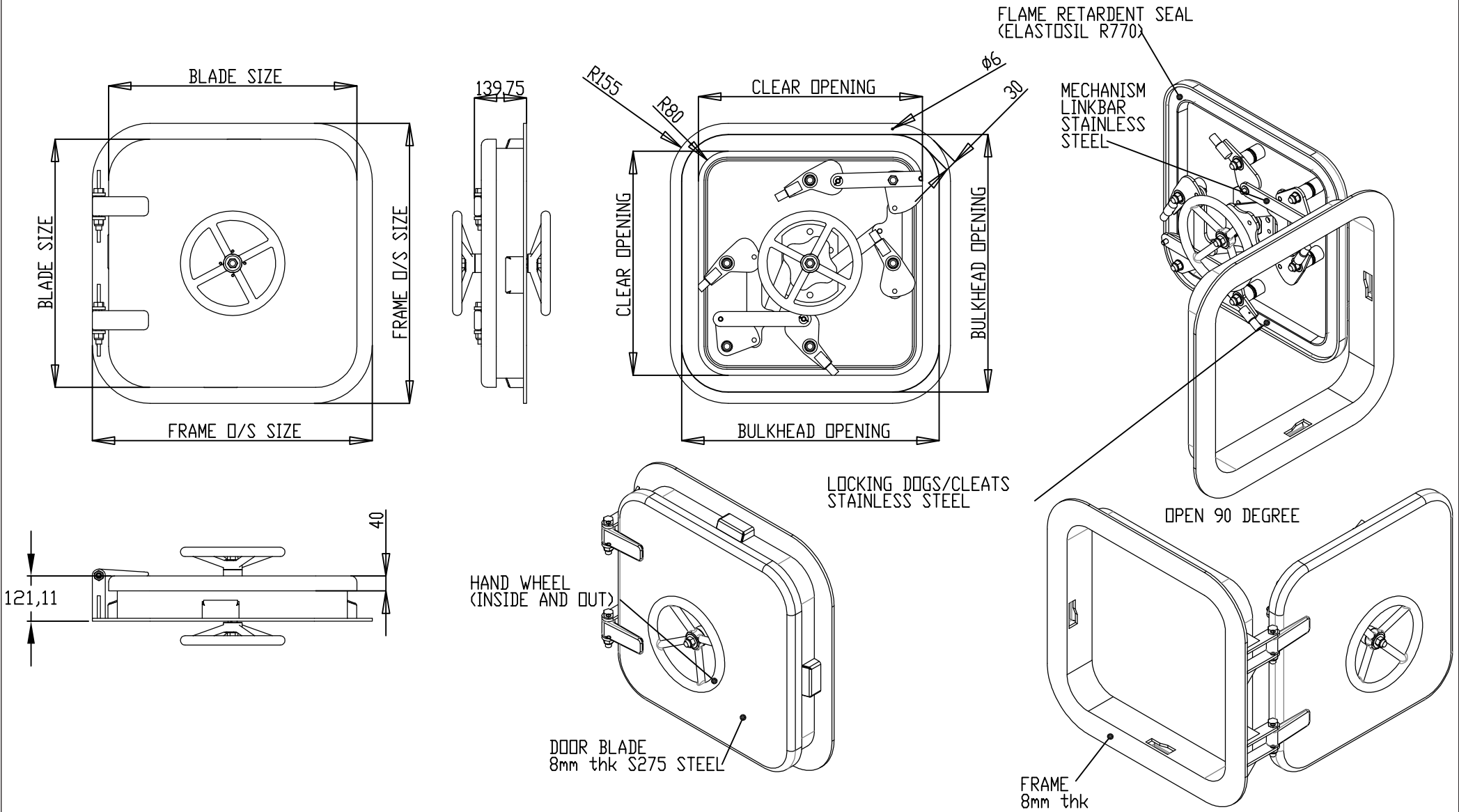


WATERTIGHT HATCH

Hatch manufactured from 8mm thick cover plate suitably stiffened with weld on ribs and fitted with a 40x25mm EPDM section perimeter seal. Hatch secured by linking of four points and operated by stainless steel central handwheel fitted both sides. This can also be supplied as a flush deck hatch with T key operation from above if required. The hatch is supplied with two hinge point with spring assist operation. Suitable for welding direct to structure. Standard finish for this product is SA2.5 and red oxide primer.

OPTIONS

- Stainless steel construction
- Independent clips
- Powder painted to RAL colour



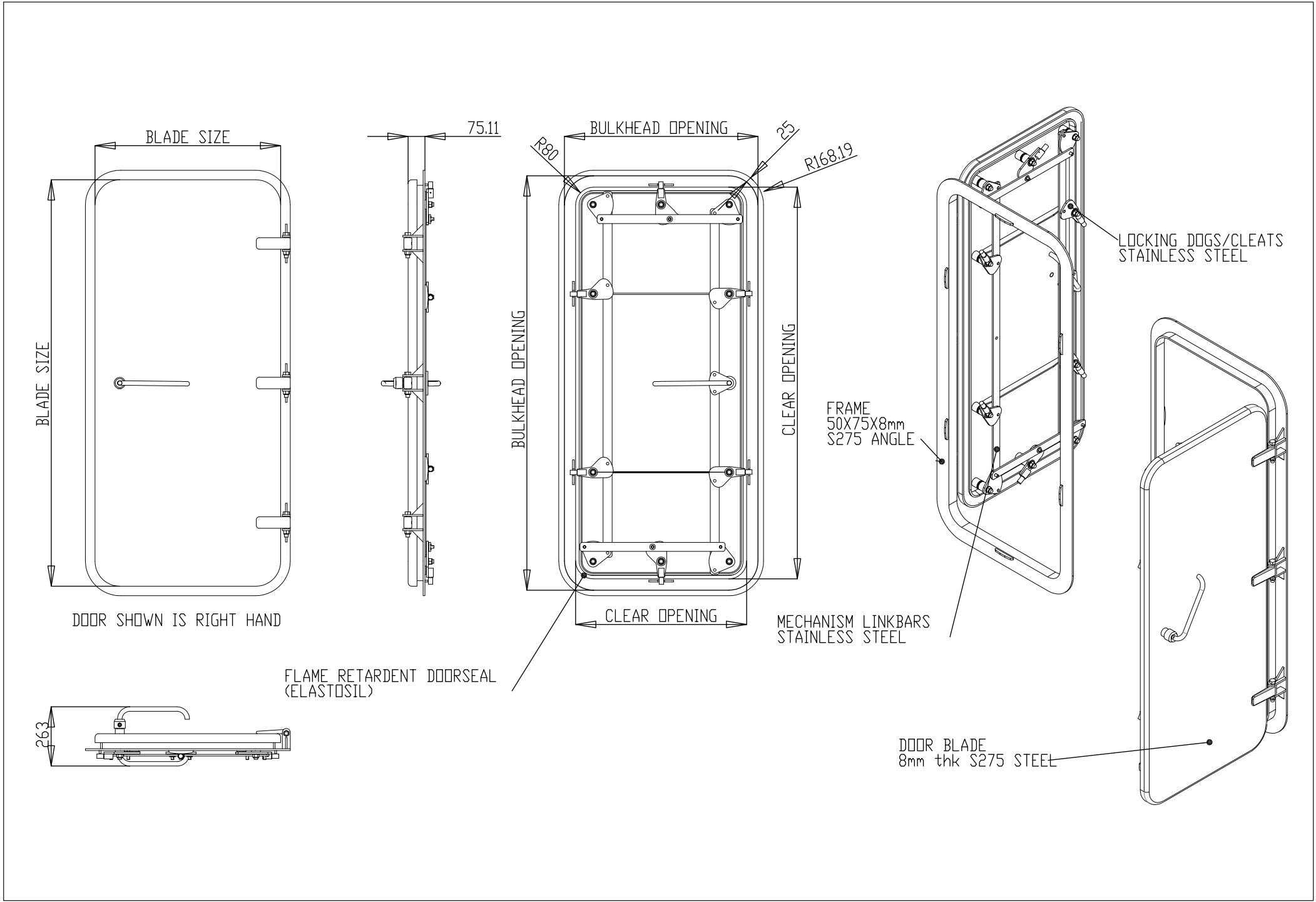


6 CLIP WEATHERTIGHT DOOR

The Door is manufactured from 8mm cover plate and is fitted with suitably stiffened with weld on ribs. Door Frame manufactured from 75x50x8mm steel. Door fitted 40x25mm section perimeter seal. Door is secured by 6 clips linked together and operated by a single lever handle both sides finished in stainless steel. Suitable for welding direct to structure. Standard finish for this product is SA2.5 and red oxide primer.

OPTIONS

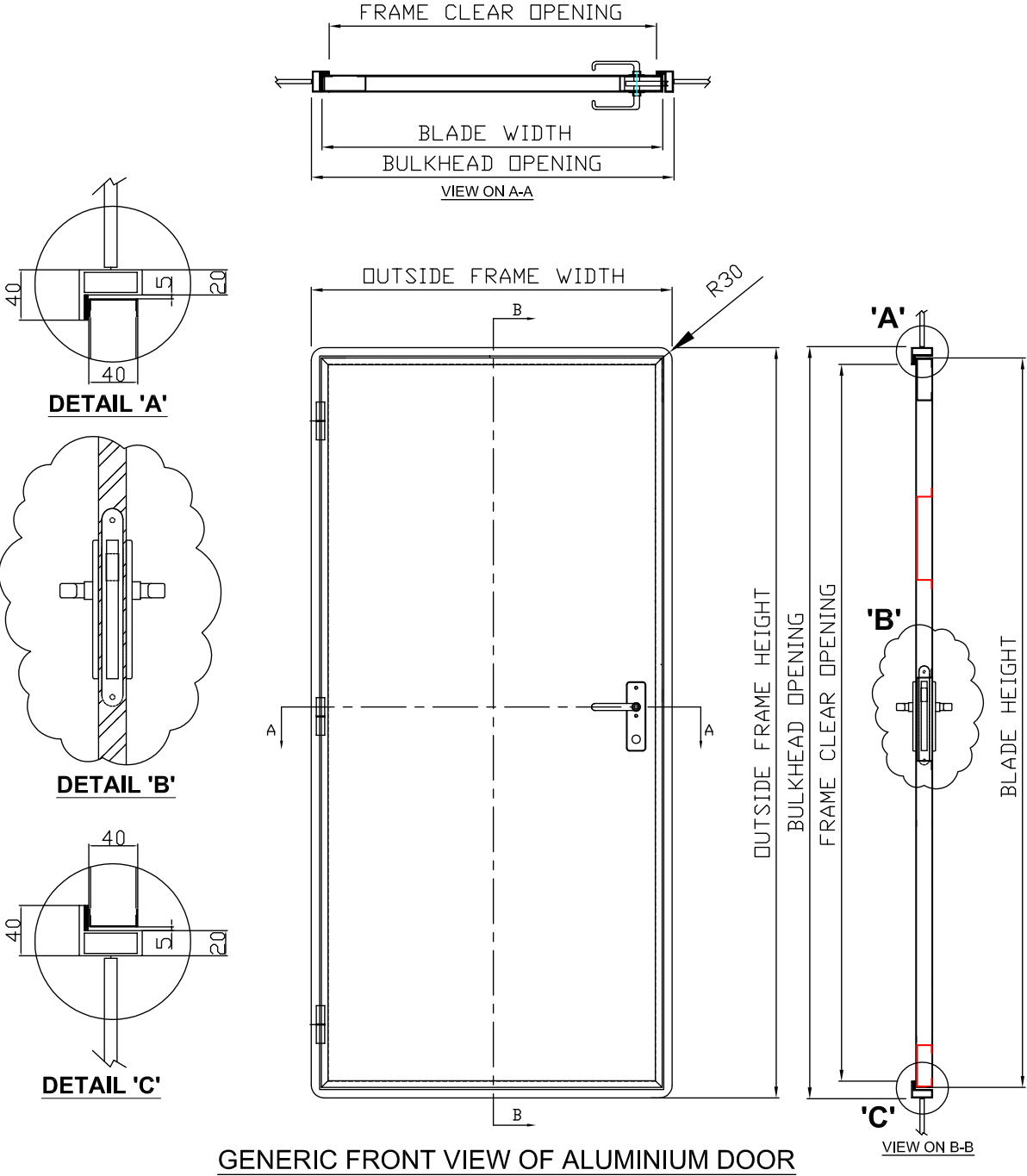
- 250mm porthole
- Stainless steel construction
- Independent clips
- Powder painted to RAL colour





ALUMINIUM HINGED DOOR

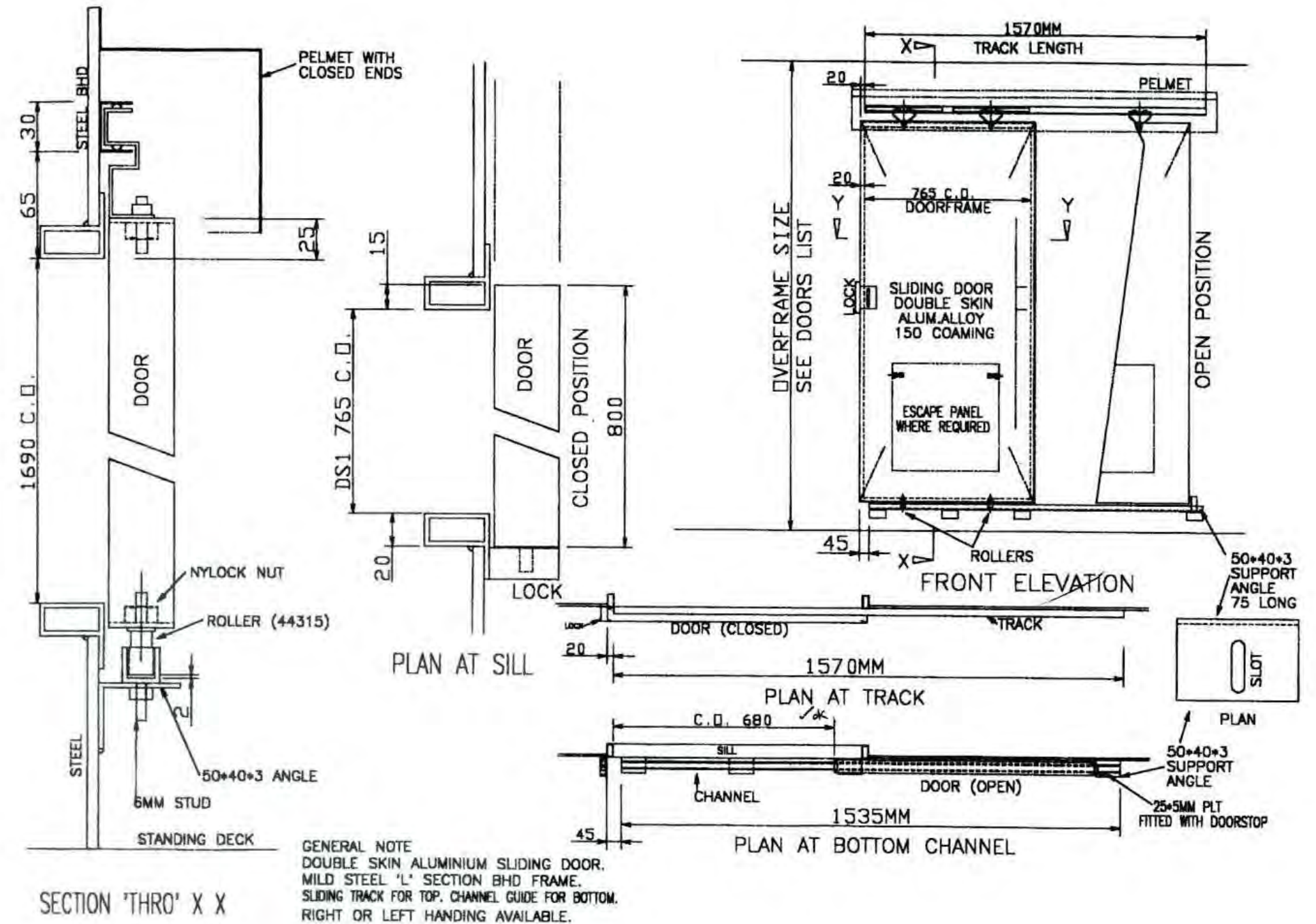
Double skinned aluminium alloy door supplied with bulkhead frame. MML mortice latch/lock, stainless steel lever handles and backplates fitted both sides. Door blade fitted with 3 stainless steel lift off hinges. Lightweight design to keep weight to a minimum. Designed for composite or steel bulkhead fitment.





ALUMINIUM SLIDING DOOR

Double skinned aluminium alloy sliding door supplied with bulkhead frame. Door fitted with mortice latch and recessed handle both sides. Complete with sliding door track and bottom channel guide. Bulkhead frame with lockbox and pelmet. Lightweight design to keep weight to a minimum. Door and frame designed for composite or steel bulkhead fitment.



INSTALLATION

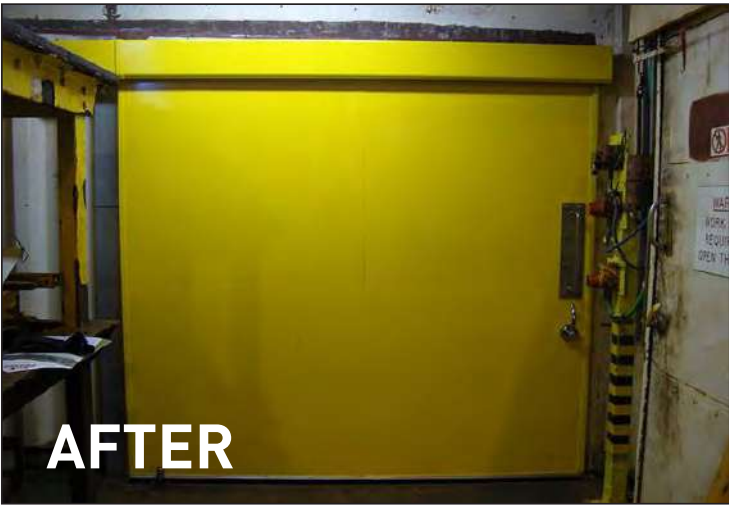
.Marine deliver the full range of design and engineering services from planned yearly maintenance campaigns to complete upgrade projects. We undertake all aspects of each project managed under our established quality system to ensure all aspects of safety and compliance is achieved in line with the client specifications both onshore and offshore.

MML Marine maintenance division provide a full range of project services tailored to individual customer requirements:

- Offshore integrity surveys.
- Detailed and comprehensive reporting & recommendations.
- Design, manufacture & installation of all fire doors from non-rated (NR) to H120.
- Implementation of planned maintenance routines & management.
- Ad hoc repairs & servicing on all types of fire door.
- Procurement & supply of hardware.
- Onshore engineering support.
- Manufacture, supply & fitting of fire rated vision panels.



BEFORE



AFTER

HARDWARE CAPABILITY

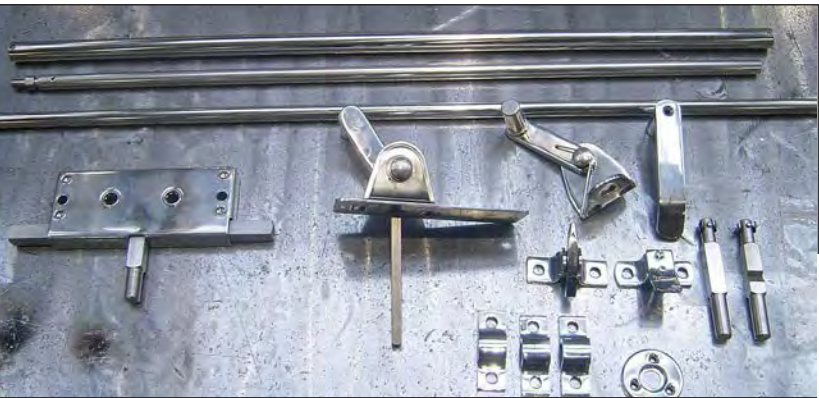
As well as fire rated, watertight and blast rated doors, MML has a large stock of many hardware parts required for the offshore and marine market. We pride ourselves in the ability to supply high quality parts required with an ex stock despatch time.

Items we specialise in:

- Door closers
- Door locks and cylinders
- Door handles
- Hinges
- Padlocks
- Door seals
- Sliding door hardware

Manufacturers we hold in stock:

- Assa
- Trioing
- Glutz
- Surelock
- Schwepper
- NHN
- Dorma





Large A60 Sliding Door



A60 double door with removable overhead panel



Double sliding door with pneumatic system



6 clip WT door

BESPOKE DOORS

can manufacture custom sized doors to meet most project requirements.

We specialise in:

- Blast rated doors
- Large sliding doors
- Large double doors with removable transom

NOTES

NOTES

NOTES



Av. Bruselas, D-36
Pol. Ind. Cabezo Beaza
30.353 - Cartagena (Murcia)
España / Spain
Tel: +34 968 50 40 50
Fax: +34 968 50 00 92
sumar-sl@sumar-sl.es
www.sumar-sl.es

MARINE IRONMONGERY



PRODUCTS FOR MARINE INDUSTRY

Product Range

1. Locks and Attachments Brass
2. Locks and Attachments Stainless Steel
3. Cylinders
4. Cabinet Locks & Snappers
5. Locking Systems
6. Window and Hatch Hardware
7. Deck Hardware
8. Nuts and Bolts
9. Interior Hardware
10. Door Closers
11. Door Seals
12. Hinges for Ship Doors
13. Dogs - Clips
14. Padlocks



Locks and attachments Brass



Mortise lock with 9mm spindle hole,

- Keyhole version delivered with 2 keys
- With PC change lever on request
- Straight faceplate or Radius R=10 mm on request
- As well with horizontal fixing holes for handle rosettes 38 mm distance
- As well with 8 mm on request
- Available also as WC lock



Escutcheons 165x45mm Available: Blind, key hole, profile cylinder hole

- ✳ Centres distance: 75mm or 72mm
- ✳ Complete with set screw M5x65 mm and nut
- ✳ Key hole version with cover plate on request
- ✳ Finishes: Polished Brass, Polished Chrome, Satin Chrome



Handles for door thickness 28-71mm

- Application for door thickness 28-71mm
- Please indicate door thickness
- Brass Ms 63
- Available also for door thickness 48-70mm



Rim locks with 9mm spindle hole, 55mm backset, distance 75mm, profile cylinder hole

- ✓ Available versions:
Right or left / In- or outwards



Escutcheons 230mm

- ✳ PC and keyhole version extendable with cover plate



Escutcheon with knob, PC hole and cover plate

- In stainless steel material on demand



Rim dead lock

- ✳ With 9 mm spindle hole, 55mm backset



Escutcheons 165x45mm lavatory version

- ✳ Finishes: Polished Brass, Polished Chrome, Satin Chrome



ASSA 640 Sprung and Un-sprung Handles

- M** Solid Brass for general and Heavy use
- M** 8mm spindle
- M** Finishes: Satin Chrome and Polished Brass

Locks and attachments Stainless Steel



N-101232

Mortise locks with 9 mm spindle hole, 55mm backset, distance 75 mm

With PC change lever on request
With solid or triple latch bolt
On request with 38 mm horizontal fixing holes for rosettes

Also available as:
WC lock - with spindle hole only - with mortise lock only



N-100252
16mm latch

Mortise locks with 9 mm spindle hole, 55mm backset, distance 75 mm, face plate radius R=12,5 mm

Mortise lock with 16 mm latch
On request in polished surface
Available also with PC change lever



Mortise locks backset 65 mm solid latch 16 mm

72mm centres distance
With solid or triple latch bolt



N-110202

Rim locks with 9 mm spindle hole, 55mm backset, distance 75 mm

Available versions: Right or left / In- or outwards



N-110502

Rim locks with 70 mm backset and profile cylinder hole



Rim locks with 70 mm backset and tumbler hole

Delivered with 2 keys



Three point lock stainless steel

Consisting of: 1 main lock and 2 additional catch locks, 16mm Latch

- without flat connection bar
- full-size stainless steel material

Three point lock steel and zinc plated

consisting of: 1 main lock and 2 additional catch locks, 16mm Latch

- without flat connection bar
- housing steel and zinc plated
- faceplate stainless steel
- latch and bar steel and nickel plated



Union L2241 Sashcase (Oval)

Latch withdrawn by handle lever

Reversible latch bolt

57mm Back-set

12mm deadbolt

48.5mm centre to centre distance



ASSA 765 Sash lock

Available with 50mm or

70mm Backset

Reversible latch bolt

21mm deadbolt throw with

90° turn of key or thumbturn

Locks and attachments Stainless Steel



Tubular door handles
9mm spindle
Door thickness 28-71mm



Recessed flat handle
8mm spindle
100x100mm



Door handle for anti panic lock
•Please indicate door thickness on the order
•For rim locks: door thickness 12-53 mm



Tubular U-Handle
•Please indicate door thickness in the order
•Complete with fixing screw set
•Handles with 8 mm spindle on request
•For door thickness 28-71 mm
•Length 145mm



Handles for rim locks 9 mm spindle
•Please indicate door thickness on the order
•For rim locks: door thickness 12-53 mm



Recessed flat handle grip with 9 mm spindle hole
•With spindle 8 mm on request
•Please indicate door thickness in the order



Stainless steel handles for mortise locks
•Please indicate door thickness in the order
•Application: for door thickness 28-50mm and 48-70mm



Supply Range of ASSA Abloy
handles, locks, cylinders, roses, thumb-turn kits, and more



Escutcheons 165x45mm
Available: Blind, key hole, profile cylinder hole
•Centres distance: 75mm or 72mm
•complete with set screw M5x65 mm and nut
•key hole version with coverplate on request
•Finishes: Polished Brass, Polished Chrome, Satin Chrome



Stainless steel handles for A-System
9.5mm spindle
Mirror finish
Includes circular roses

Cylinders (Double cylinders / Thumbturn Cylinders / Half Cylinders)

TrioVing®
ASSA ABLOY

TrioVing Lock Cylinders

- Range of sizes available



Mauer Cylinders; an economic basic cylinder, suitable for standard housing demanding a reversible key system.

- Type: Elite 1
- Style: Euro Profile, 17 mm, DIN 18254 - EN 1303
- Profile: E1
- System: Reversible key 6 pins
- Key differs: 117.649
- Range: Double cylinder, half cylinder, knob cylinder
- Application: Single differs, keyed-alike sets
- Keys: 3 keys nickel plated brass, with code number
- Protection: No, copy keys available through retailers and locksmiths
- Approval: SKG**, KOMO® number 408.312.08-09
- Available in large range of sizes and splits



Tigris® Plus Cylinders

- For simple master key systems up to 1,200 cylinder locks under a single masterkey
- BS EN1303 durability grade (6=highest)
- BS EN1303 security grade (6=highest)
- Number of pin chambers
- Drill protection in cylinder body & plug
- Anti-pick protection
- Comprehensive range of cylinder sizes available
- Key material brass

Locks and Attachments Stainless Steel



Stainless steel handwheel
405mm outer diameter (approx.)
20mm square spindle hole



Stainless Steel A-System
316 stainless steel
Includes poles, saddles, pins



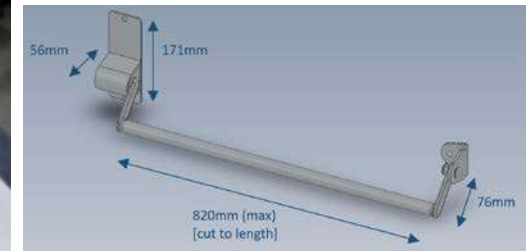
Heavy Duty Stainless steel Slip bolt
150mm length, 40mm width
12mm diameter bolt
316 stainless steel



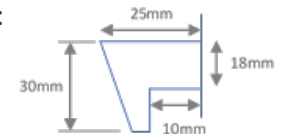
Heavy Duty Latch
316 Stainless steel
9.5mm spindle hole



Stainless Steel Panic Bar System
316 Stainless Steel
Bolt on assembly
Sprung idler
9mm Spindle
Operates internal lock



Heavy Duty Sliding Door Latch
316 Stainless Steel
Face-plate: 32x150mm
Back-set: 105mm (approx.)
10mm spindle hole
Latch Dimensions:



Cabinet locks and snappers



Interior snapper for Ri / Le usage

- Material: Brass Ms 58
- Striking plates or angles to be ordered separately
- For door thickness 15-30 mm



Flush snapper 104x54 mm, lockable

- Material: Face plate in Al anodized / Lock parts in stainless steel
- For standard door thickness 15-18 mm
- For door cutout 94x46 mm



Finger snapper with counter plate

- Material: Brass Ms 58
- made of brass profile material



Rim Furniture Lock 1518

- door thickness up to 19 mm
- with roset and 2 keys
- key different



Magnetic snapper



Cupboard grip

Cupboard grip 93 mm, for door thickness 15-20 mm



Push Knob And Cover Ring

- for door thickness 19 mm
- recommended push knob snapper 151770
- other surfaces on request



Snapper with grip lockable

- Material: Brass Ms 58
- For right/left or drawer usage
- For door thickness 14-22 mm
- On request further door thicknesses available
- Please order striking angles separately
- Lockable with padlock 5 mm

Locking Systems / Door Holders



Door stoppers DIN 81409 A 40 mm with spring clip

- material: Brass Ms 63 or stainless steel
- complete with spring clip



Door stoppers 75/90 mm, brass

- Material: Brass Ms 63, Satin Chrome finish
- Complete with counter plate



Magnetic door stopper turnable 90°

- Material: Brass Ms 63
- Complete with counterplate
- Pull force 3,8 kg



Magnetic door stopper short 34 mm

- Material: Brass Ms 63
- Complete with counterplate
- Pull force 3,8 kg



Silent Pattern Cabin Hook

Range of sizes: 2 ½" (55mm); 3" (70mm); 4" (95mm); 6" (145mm); 8" (227mm); 10" (280mm)

Finishes: Satin Chrome, Polished Chrome, Brass, Nickel Plated



Ball catchers 2540

Also available: Nickel-plated surface

Available in a range of sizes



Turnbuckles brass

- Material: Brass Ms 63



Stainless Steel Hasp & Staple, 90 x 36mm

Excellent anti-corrosive properties
Supplied complete with stainless steel fixing screws



Gravelly catch, Brass, polished chrome plated, snap-open/close

Catch base: 33 x 25mm
Strike plate: 47 x 23mm



Door Stop and Holder

With hook and hook plate
Finishes: Polished Brass, Polished Chrome, Satin Chrome

Window and hatch hardware



323200.4

Hatch fastener 3232-3234

- Material: Brass Ms 58
- Range of sizes available
- Range of finishes available



Window fastener curved version

- Material: Brass Ms 63



Window fastener straight version with counter plate

- Material: Brass Ms 58
- Complete with counter plate



Cabinet shear 160 mm

- Material: Brass Ms 58
- Complete with fixing screw



Cabinet shear 150-300 mm

- Material: Steel and nickel plated
- For right/left assembly



Cabinet shear 165 mm



door stay 12.2065

- Material: S/S A2
- Completely assembled
- On request in polished surface

Deck hardware



Chair fastener set

- Material: Brass Ms 58
- Please indicate the total length



Flush pull grips type 1

- Material: Brass Ms 63
- Available in range of sizes and finishes



Flush pull grips type 2

- Material: Brass Ms 63
- 80x50mm, range of finishes available



Strap clamp

- Material: Brass Ms 63
- Available in nickel surface
- Range of sizes available



Hand grip brass

- Material: Brass Ms 63



Shackles straight version

- Material: Brass Ms 63
- Range of sizes available



Bow grip

- 100mm length, 10mm diameter bar
- 2x M4 threads



Shell grip 80 mm

- Material: Brass



Cupboard grip 85x32 mm

- Material: Brass Ms 63
- with tumbler key hole on request



Stainless Steel Hasp & Staple, 90 x 36mm

- Excellent anti-corrosive properties
- Supplied complete with stainless steel fixing screws

Nuts and bolts



Eye bolts DIN 444 standard, metric thread,
BM = Thread length according to DIN
standard,
LBM = Thread until bolt head
 •Material: Brass Ms 63
 •Range of sizes available: M6-M30; 40-400mm



Eye bolts DIN 444 standard, metric thread,
BM = Thread length according to DIN
standard,
LBM = Thread until bolt head
 •Material: Stainless steel A4
 •Range of sizes available: M10-M20; 60-160mm



Lifting nuts DIN 80704 brass
 •Material: Brass Ms 63



Lifting nuts DIN 80704 stainless steel
 •Material: Stainless steel A4



Wing nuts DIN 315 brass
 •Material: Brass Ms 63
 •Also available nickel or chrome plated



Lifting nut set DIN 83407 A
 •Material: Eye bolt and lifting nut in brass, counter plates in steel, bolt stainless steel, copper splints
 •Other dimensions on demand



Wing nut set DIN 83407 B
 •Material: Eye bolt and wing nut in brass, counter plates in steel, bolt stainless steel, copper splints
 •Other dimensions on demand



Butterfly nuts DIN 80701 brass
 •Material: Brass Ms 63



Butterfly nuts short version brass
 •Material: Brass Ms 63



Butterfly nuts DIN 80701 stainless steel
 •Material: Stainless steel A4



Butterfly nuts one-sided
 •Material: Brass Ms 63

Interior hardware



Hinges stainless steel Nr. 193

- Material: Stainless steel A2
- Polished surface on request



Hasps lockable stamped

- Material: Brass Ms 63
- 150x45mm
- Finishes: polished brass, Polished Chrome, Satin Chrome



Hasps not lockable light version

- Material: Brass Ms 63
- Hasp with straight fixing plate 60x26mm
- Range of finishes available



Hasps lockable light version

- Material: Brass Ms 63



Hasps lockable casted

- Material: Brass Ms 63
- Hasp hinge for padlocks with eye plate L=90 mm



Hasps not lockable

- Material: Brass Ms 63
- Available as well with straight fixing plate



Ventilating valves 2703

- Material: Brass Ms 58
- Ventilating valve 36x12 mm, without counter slide
- Air admission 109 cm²
- Range of finishes available



Ventilating valve counterplate 2753

- Material: Brass Ms 58
- Counter plate for ventilating valve, 360x120 mm



Round valves 2721-2725

- Material: Brass Ms 58
- Also available with assembled knob inside
- Available: 100, 125, 150, 175, 200mm diameter
- Range of finishes available



Ventilating counter plates 2771-2775

- Material: Brass Ms 58
- Available: 100, 125, 150, 175, 200mm diameter
- Range of finishes available



Round valves stainless steel

- Material: Stainless steel A2, Satin matt surface on request



Ventilating plate Rd stainless steel

- Material: Stainless steel A2, Satin matt surface on request

Interior hardware



Ventilating valves 2703

- Material: Brass Ms 58
- Ventilating valve 36x12 mm, without counter slide
- Air admission 109 cm²
- Range of finishes available



Ventilating valve counterplate 2753

- Material: Brass Ms 58
- Counter plate for ventilating valve 360x120 mm



ASSA 265 Thumbturn Set

- The 256 Accessory kit required when using Assa modular lock cases and cylinders. External cylinder ring and internal thumbturn. Supplied with spindle, screws and exterior cylinder ring.
- Material: Satin Chrome
- Available in cylinder ring depths from 6mm to 24mm



ASSA 18265 Cylinder Ring Set

- The 18256 Accessory kit required when using Assa modular lock cases and cylinders. External cylinder ring and internal cylinder ring.
- Material: Satin Chrome
- Available in cylinder ring depths from 8mm to 24mm



Union Indicator Bolt, Red/White

- Suitable for wooden doors between 28-48mm
- Bolt projection: 13mm
- Body Width: 60mm
- Body Height: 36mm
- Body Projection: 34mm
- Indicator Width: 55mm
- Indicator Height: 40mm
- Indicator Projection: 5mm
- Spindle: Steel, 4mm square
- Finish: Anodised Silver



ASSA Abloy WC Indicator Accessory Kit, Red/Green, Thumbturn (long version)

- Accessories to complement the ASSA Classic range.
- Toilet accessory set for use with ASSA Connect and Modular bathroom locks particularly suitable for use by disabled people. Includes roses, thumbturn, red/white indicator and all fixings



Door indicator Bolt, Red/Green, Vacant/Engaged (reversible), Polished chrome finish

- Indicator can be set to Red/Green or Vacant/Engaged
- NSN: 53409956614623

Door closers



LCN 4040XP Series Door Closer - Heavy Duty Universal Mounting

Hinge (Pull Side) Mounting
Top Jamb (Push Side) Mounting
Stop Face (Push Side) Mounting



DORMA TS 83 Door Closer

EN 3-6

- Door Width: <1400mm
- Adjustable Power, Latching, Baycheck
- Optional anti-corrosion arm
- 245 x 46 x 60mm (L x D x H)



NHN Door Closer Range

Adjustable power. All models are supplied complete with a parallel shoe to enable standard arm and parallel arm installations without dropping in performance.

NHN83VP - Size 2-4

- Door Weight: 40 - 80kgs
- Door Width: 850 - 1100mm

NHN85VP - Size 4-6

- Door Weight: 80 - 120 kgs
- Door Width: 1100 - 1400mm

NHN87VP - Size 6-7

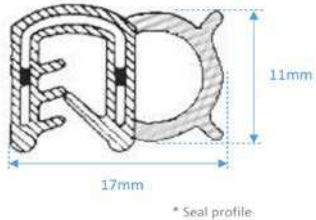
- Door Weight: 120 - 140 kgs
- Door Width: 1400 - 1600mm



LCN 4040XP tandem Door Closer - Extra Heavy Duty

Hinge (Pull Side) Mounting
Top Jamb (Push Side) Mounting
Stop Face (Push Side) Mounting

Door seals



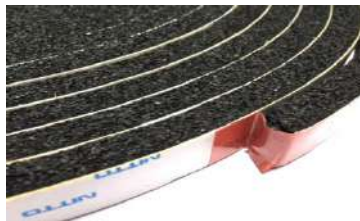
DX85 Door Seal

Composite self grip type draught excluder
EPDM & sponge rubber side bulb for 1.6 to 3mm panels
Overall width approx. 17mm (bead 11mm)
Supplied in 25 meter coils



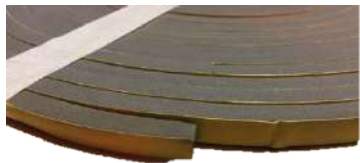
DX71 Door Seal

Composite self grip type draught excluder
EPDM & sponge rubber side bulb for 1.6 to 3mm panels
Overall width approx. 24mm (bead 16mm)



Seal-adhesive Backed Nitto 686

10meter Rolls
FR Self Extinguishing
Semi Opencell EPDM sponge
More sizes available

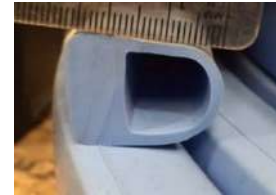


Neoprene Closed Cell GT Seal

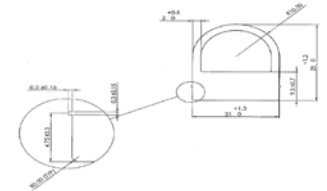
10 meter rolls
More sizes available



Seal - Surasul LCH72 D Profile Seal

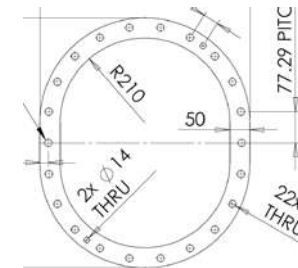


D Seal, Blue Silicone 72LCH1 inc Pips



Ceramic and Glass Fibre Rope Seal

Range of sizes available



Rubber Gaskets

Range of shapes and sizes available



Silicone Rubber WT Door / Hatch Seal

25 meter rolls

Gaskets and Seals to your specific dimensions available also

Hinges for ship doors



B15 Hinges stainless steel
Material: Stainless steel A2
60 x 30mm flag
Polished surface on request



Hinges stainless steel Nr. 2017/2027
•Material: Stainless steel A2
•Polished surface on request



Stainless Steel Flag Hinge
6 holes
150mm length,
20mm dia. barrel
73 x 40mm flag



Hinges stainless steel Nr. 138
•Material: Stainless steel A2
•Polished surface on request



Hinges brass DIN 81401 B
•Material: Brass Ms 58
•Available surfaces: Brass Polished,
Chrome polished and Satin Chrome



Weld-On Barrel Hinge
Stainless Steel
Includes Brass Washer
and pin
Length 144mm,
diameter 24mm



Hinges stainless steel Nr. 193
•Material: Stainless steel A2
•Polished surface on request



Hinges brass DIN 81402 E
•Material: Brass Ms 58
•Available surfaces: Brass Polished,
Chrome polished and Satin Chrome



Single Action Spring Hinge (Pair)
Stainless Steel
5 inch (127mm)
Length,



Hinges stainless steel Nr. 188
•Material: Stainless steel A2
•Polished surface on request



Hinges brass DIN 81401 A
•Material: Brass Ms 58
•Available surfaces: Brass Polished,
Chrome polished and Satin Chrome



Stainless Steel Flag Hinge
5 holes
125mm length, 17mm
dia. barrel
62 x 40mm flag



Hinges stainless steel Nr. 146
•Material: Stainless steel A2
•Polished surface on request



Double Action Spring Hinge (Pair)
Stainless Steel
8 inch (200mm) Length

Dogs - Clips



DIN 83104 Form A, steel

- Steel grips red zinc primed
- Yellow zinc plated surface on request
- Spare or single parts available in chapter attachments



DIN 83104 Form B, steel

- Steel grip red zinc primed
- Other lengths in steel or stainless steel on request
- Spare or single parts available in chapter attachments



The steel spindle hole part and handle are red zinc primary coated

- Steel grip red zinc primed
- Stainless steel and other lengths on request
- Spare or single parts available under chapter attachments



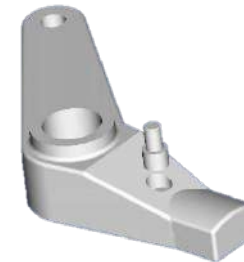
Material: S/S A2

- All stainless steel dog fasteners available in surfaces raw or polished
- Spare or single parts available under attachments
- Stainless steel A4 material on request
- With aluminium or stainless steel tube A4



MML Dog Clip

Stainless Steel, mirror finish
Includes guide roller



MML Diecast Dog Clip

Stainless Steel, mirror finish

Padlocks



UNION 3122 Brass Open Shackle Padlock

UK manufactured
5 year guarantee
Solid brass body
Hardened steel shackle
Can be Keyed alike or Keyed to Differ
Widths: 40mm and 50mm



YALE 750 Brass Open Shackle Padlock

Solid brass body
Hardened steel shackle
Can be Keyed alike or Keyed to Differ
Width: 50mm



YALE 850 & 870 Open Shackle Bronze Padlock

Bronze body offers high corrosion resistance
Open and closed shackle versions
Hardened steel sprung shackle
Key withdrawal only when locked
Widths: 50mm and 64mm



ASEC KA long Shackle Brass Padlock

Double locking
Hardened steel shackle
Can be Keyed alike or Keyed to Differ
Width: 30mm, 40mm, 50mm
Vertical clearance: 44mm, 60mm, 82mm



Abloy 321 Medium Security Padlock

20mm or 50mm shackle height
Large bodies to enhance physical strength
superior drill protection
hardened steel housings and boron steel shackles
Hardened stainless steel balls locking the shackle on both sides
Enhanced corrosion resistance
Equipped with the Abloy Protec key system
Supplied with 2 keys as standard



Abloy 330 High Security Padlock - Grade 3

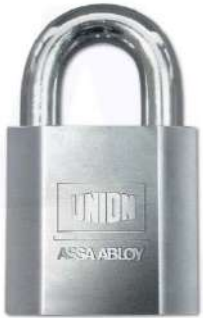
25mm, 50mm or 100mm shackle heights
BS EN Grade 3 (for 25mm & 50mm shackle heights)
Large bodies to enhance physical strength
superior drill protection
hardened steel housings and boron steel shackles
Ensure maximum resistance against physical attack
Hardened stainless steel balls locking the shackle on both sides.
Enhanced corrosion resistance, ideally suited for use in the harshest conditions
Equipped with the Abloy Sentry key system
Supplied with 2 keys as standard



YALE 150 Brass Open Shackle Combination Padlock

Resettable combination
Width: 40mm

Padlocks



UNION 1K22 Conquest Stainless Steel Open Shackle Padlock

- Open shackle heavy duty padlock with a solid steel body Suitable for the majority of security applications
- Hardened steel unsprung shackle
- Resistant to pick, drill, saw and torque attacks
- Supplied with 2 keys
- Corrosion resistant; Hardened steel body
- Keyed to Differ
- Width: 68mm, Shackle Diameter: 14mm



UNION 1K22 Conquest Stainless Steel Open Shackle Padlock

- Open shackle heavy duty padlock with a solid steel body Suitable for the majority of security applications
- Hardened steel unsprung shackle
- Resistant to pick, drill, saw and torque attacks
- Supplied with 2 keys
- Corrosion resistant; Hardened steel body
- Keyed to Differ
- Width: 68mm, Shackle Diameter: 14mm



SQUIRE SS50 Stronghold Steel 6-Pin Closed Shackle Padlock

- Compact design and market leading product performance
- Designed to resist the determined attacks
- Function reliably in the harshest weather conditions
- Particularly suitable for garages, warehouses, lorries, perimeter gates and high security doors
- Resistant to picking, drilling, sawing and other forms of attack
- Open and closed shackle versions
- Solid hardened steel body
- Hardened Boron alloy steel shackle



YALE 215 Old English Padlock

- Cover cap to prevent keyway rusting
- Medium security
- Solid steel body, CEN rating
- Keyed to Differ
- Width: 53mm

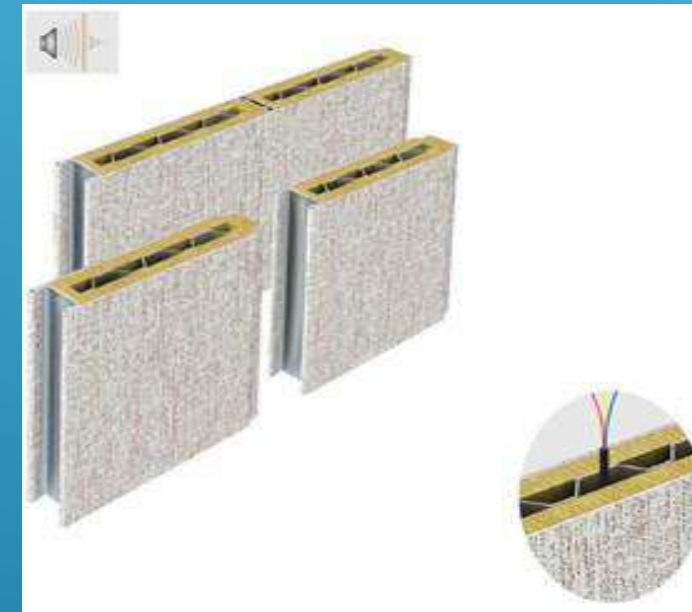
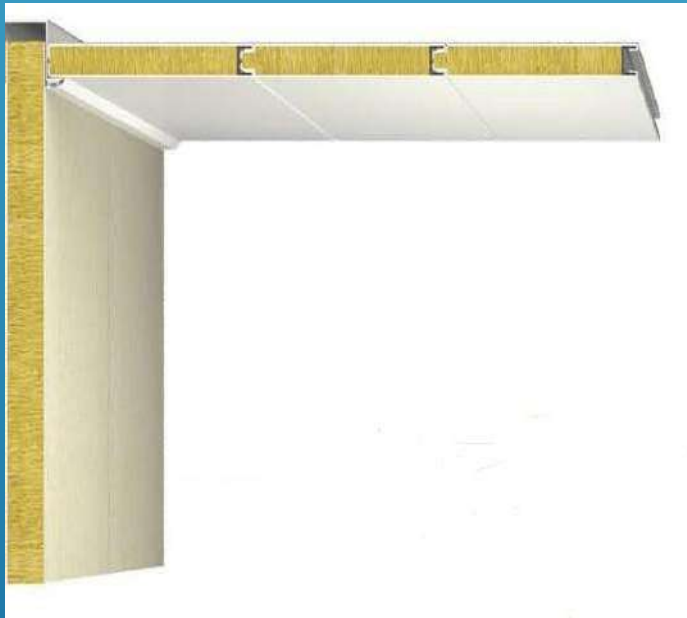


HL8952 / 25 WP (TrioVing)

- Electromechanical padlock, Cliq, FG-approved Class 2, weatherproof
- FG-approved padlock class 2, with denomination WP (Weatherproof)
- Used where great demands to withstand extreme environmental stresses over time
- Meets IP57 requirements (padlocks can withstand being submerged in water up to 1 meter without water penetration, and protected against the ingress of dust and dirt)
- Highly corrosion resistant, used for locking of boats, boathouses etc.
- Padlock works perfectly with TrioVing electromechanical system CLIQ or CLIQ Remote, for increased security
- Lock has a lid over keyhole locked with a 90 degree rotation
- Hoop hardened steel with a diameter of 8 mm
- Supplied with 25 or 50 mm hoop opening
- Keys for CLIQ systems must be ordered separately

MML B15 Panels for walls and ceilings

MML can now supply interior marine panels to complement our marine door range. Wall and ceiling panels can be manufactured to clients specific requirements. In addition to this bespoke service we also stock standard sized units for customers that have a short delivery time requirement.



C class and B15 rated options available