

PROPER SURFACE PREPARATION IS IMPORTANT.
ALL CRACKS TO BE FILLED WITH MULTI PURPOSE FLEXIBLE FILLER WITH GREAT ADHESION
WALLS AND CEILING TO BE SANDED DOWN TO SOUND CONDITION AND
PAINTED WITH TWO COATS ACID RESISTANCE PLASCON GEOPON 3000 OR DULUX SIGMACOVER PAINT. - WHITE
ALL PAINT TO BE APPLIED STRICTLY TO MANUFACTURERS SPECIFICATION.

REMOVE EXISTING ASBESTOS CEILING COMPLETED
ASBESTOS CEILING MATERIAL TO BE MOVED TO A REGISTERED SITE.
INSTALL EVERITE NUTEC 4mm FIXED TO 38 x 38 SAP BRANDING SPACED AT MANUFACTURERS RECOMMENDED SPACINGS
32mm x 2,5mm GALVANISED SERRATED CEILING NAILS (605-632)
COMPLETE WITH H-PROFILE JOINTING STRIPS AND NUTEC MUCRONICE

PROPER SURFACE PREPARATION IS IMPORTANT TO EXISTING FLOOR SLAB
MECHANICALLY REMOVE EXISTING PAINT/EPOXY COMPLETELY TO SOUND CONCRETE.
SWEEP AND VACUUM FLOOR THOROUGHLY TO REMOVE ALL DUST AND GRIT.

JUST AHEAD OF SCREED LAYER, BRUSH ON A SLUSH/PRIME COAT COMPRISING OF
1 VOL. PORTLAND CEMENT, 1 VOL. PLASTER SAND BROUGHT TO A SLURRY CONSISTENCY USING A SOLUTION OF
1 VOL. CEMCRETE FLEXBOND AND 1 VOL. WATER

IMMEDIATELY AFTER SLUSHING LAY SCREED MIXED AS FOLLOWS BY VOLUME:
 1 CEMENT
 1 PLASTER SAND APPLY SMALL AGGREGATE TO SCREED THICKER THAN 70mm.
 2 RIVERSAND
 1-2 FLEXBOND/WATER

APPLY NEW SCREED TO THICKNESS AND FALL AS SHOWN ON PLAN.

APPLY (BY SPECIALIST) THE FOLLOWING FROM FLOWCRETE (ONLY):-
FLOWCRETE FLOWPRIME PRIMER
5mm THICK FLOWCRETE FLOWTEX HT ACID RESISTANT EPOXY FINISH ON NEW SCREED
ALL TO MANUFACTURERS SPECIFICATIONS.
1mm FLOWCRETE FLOWSEAL 1000 CR. 2 COATS - LIGHT GREY

CAREFULLY REMOVE CERAMIC MAINTENANCE SINK AND DRAINERS
INSTALL IN NEW POSITION SHOWN
INSTALLATION, PLUMBING, SANITARY WARE AND TILING IN
ACCORDANCE WITH DRAWING 0.54/1150 SHT.25

THE ROOF AREA ABOVE THE BATTERY ROOM TO BE SEALED AIRTIGHT TO PREVENT THE HYDROGEN GASSES TO MOVE TO ADJACENT ROOMS

THE AREA ABOVE THE WALLS TO BE CLOSED WITH 6mm NUTEC BOARDS. ALL GAPS TO BE SEALED WITH EXPANDABLE FOAM FILLER

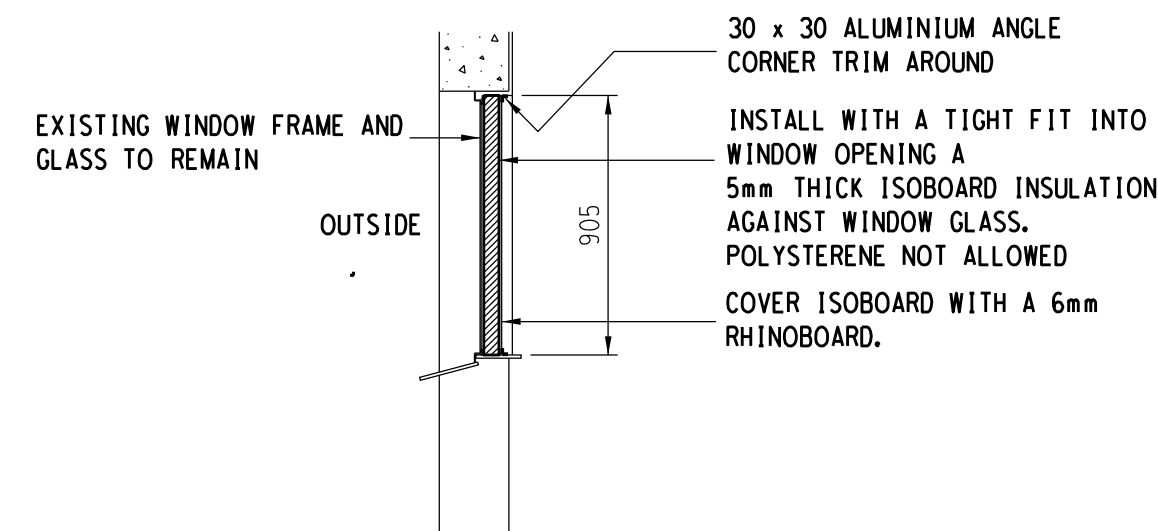
SAND DOWN, PREPARE FOR PAINTING AND
PAINT TWO COATS CLEAR POLYURETHANE VARNISH
IRONMONGERY TO BE REFURBISHED TO OPERATE WELL

CLOSE WATER SUPPLY TO TOILET, BASIN, SHOWER, MAINTENANCE SINK AND EMERGENCY SHOWER
DEMOLISH THE SHOWER, BASIN AND TOILET INCL. ALL WALLS SHOWN IN DOTTED.
REMOVE THE ENTRANCE DOOR TO THE ABLUTION, CLOSE WITH MATCHING FACEBRICK AND MAKE GOOD
REMOVE ALL WALL AND FLOOR TILES, SANITARY WARE
REMOVE ALL EXPOSED PLUMBING AND WATER SUPPLY PIPES

ALL PLUMBING COPPER PIPES TO BE
SANS 460 CLASS 2
NO BENDING - USE FITTINGS
CAPILLARY SOLDER SYSTEM - JOINTS NEAT.
ALL EXPOSED PIPES ABOVE GROUND TO BE CLEANED.

UNDERGROUND WATER SUPPLY PIPE
FROM THE WATER STORAGE TANK OR BOOSTER PUMP
TO THE BUILDING TO BE A $\phi 25$ HDPE.

NO WATER SUPPLY PIPE TO BE INSTALLED ON
THE EXTERIOR WALL OF THE BUILDING



SECTION B-B
1:50

THE CONTRACTOR TO CHECK THAT THE EMERGENCY SHOWER OPERATES WELL. IF THE WATER PRESSURE IS NOT ADEQUATE , INSTALL A PRESSURE PUMP AS SPECIFIED.

A "LOWARA" STAINLESS STEEL CM70/34" WITH 25L HYDROTUBE
AND 5 BAR KIT OR SIMILAR APPROVED.

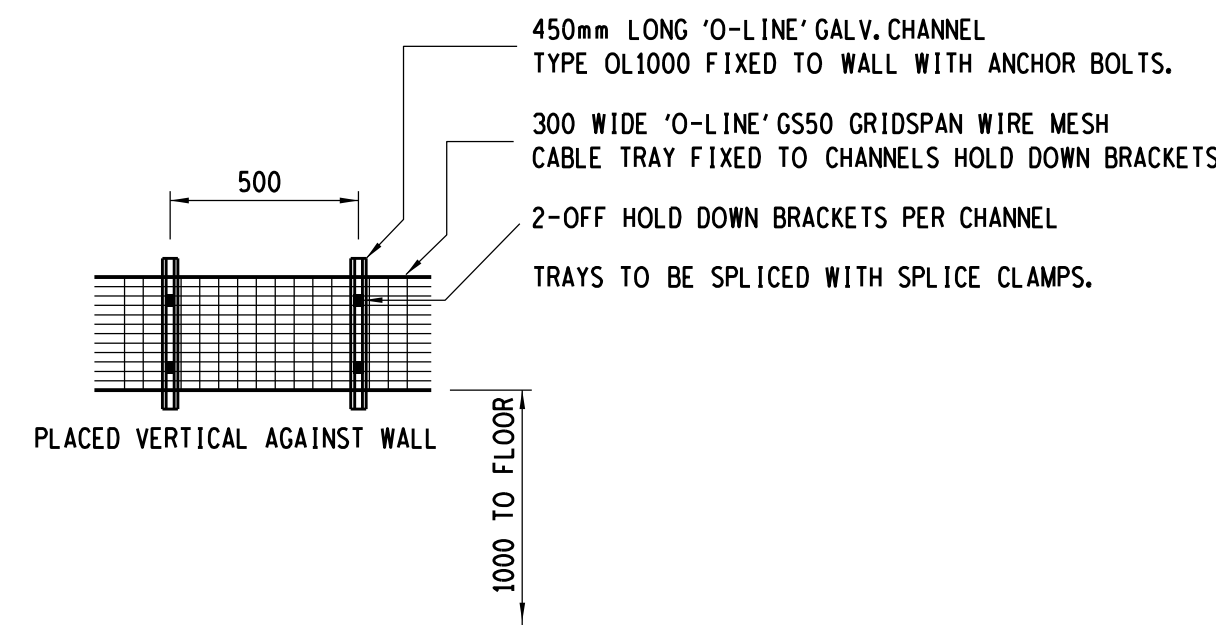
EXISTING WATER SUPPLY TO PASS THRU' BOOSTER PUMP FIRS
TO PROVIDE 3 BAR TO EMERGENCY SHOWER.

INSTALL A NON-RETURN VALVE BEFORE THE PUMP.

INSTALL THE PUMP ON A 75mm THICK, 10MPa CONCRETE SLAB
LARGE ENOUGH TO HOST THE PUMP AND COVER BOX OVER.

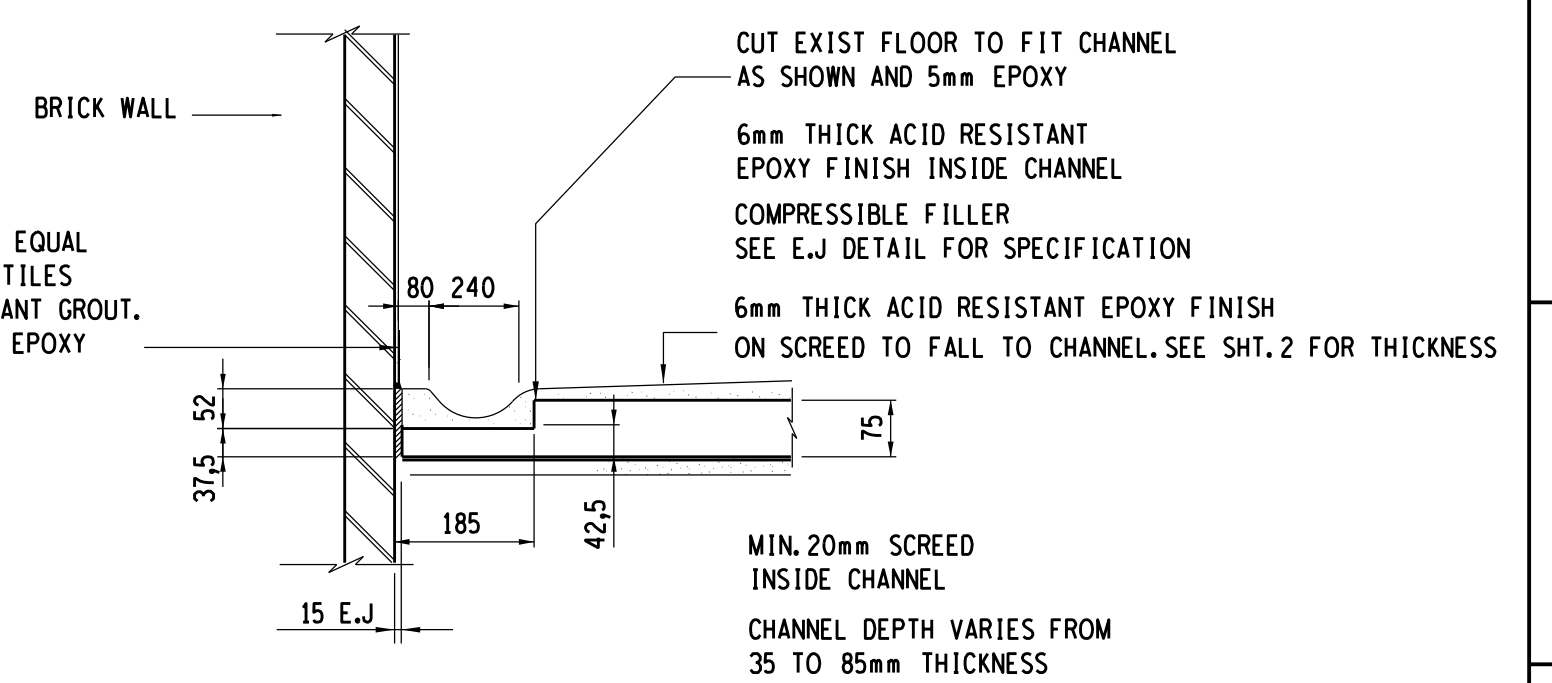
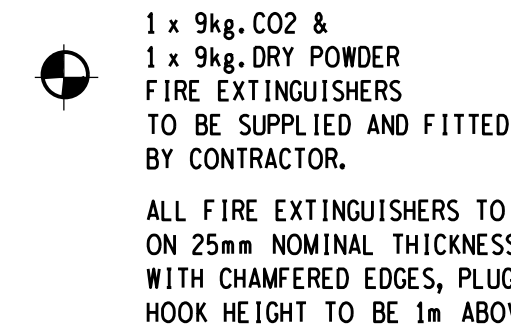
COVER BOX TO BE A PLASTIC TYPE DOG KENNEL OR SIMILAR
OVER PUMP.

SEE PLAN FOR POSITION

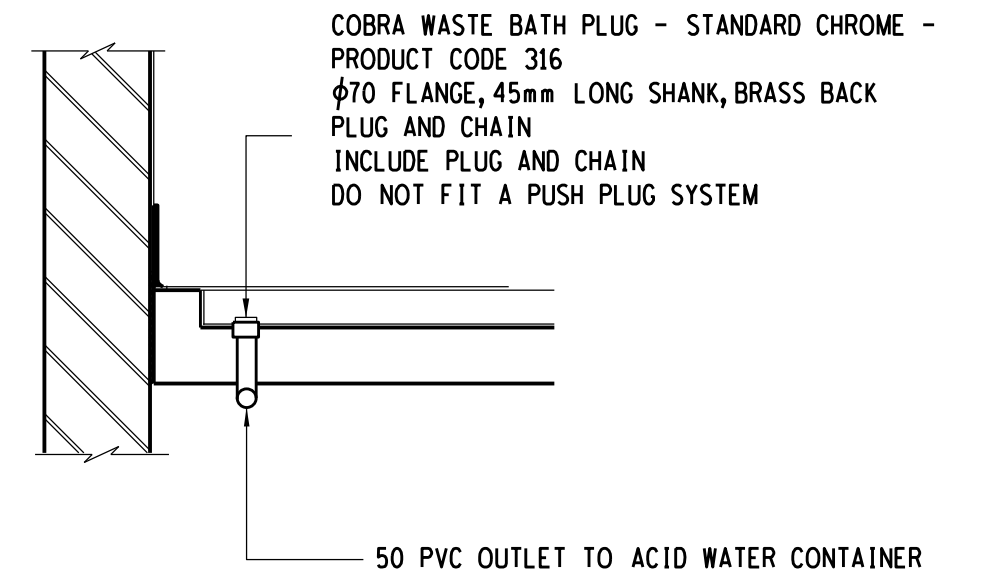


ELEVATION ON WALL MOUNTED CABLE RACKING

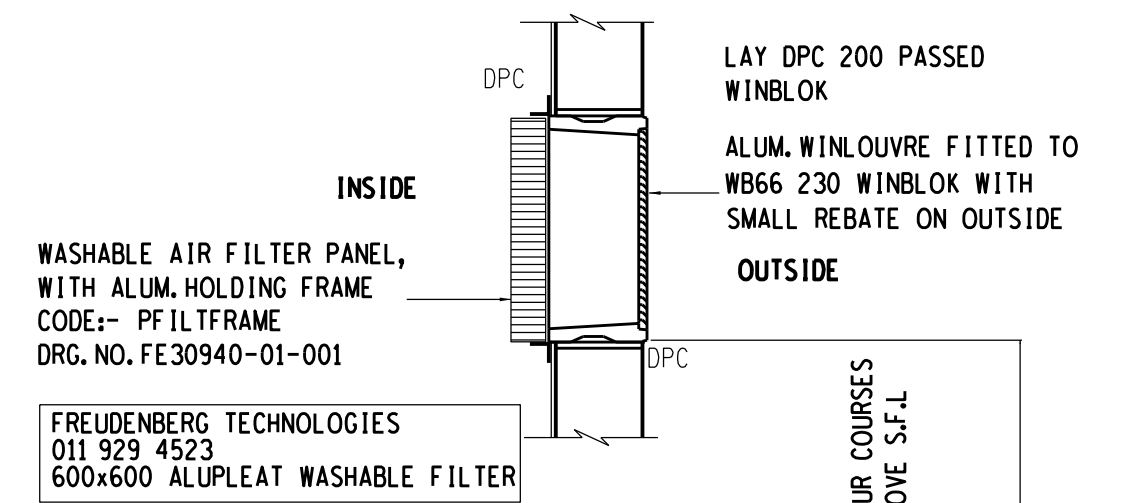
0.54/1150 SHT.25 EMERGENCY SHOWER ,SINK .TILING, PLUMBING AND BOOSTER PUMP



SECTION THRU' BATTERY ROOM FLOOR CHANNEL
SECTION A-A

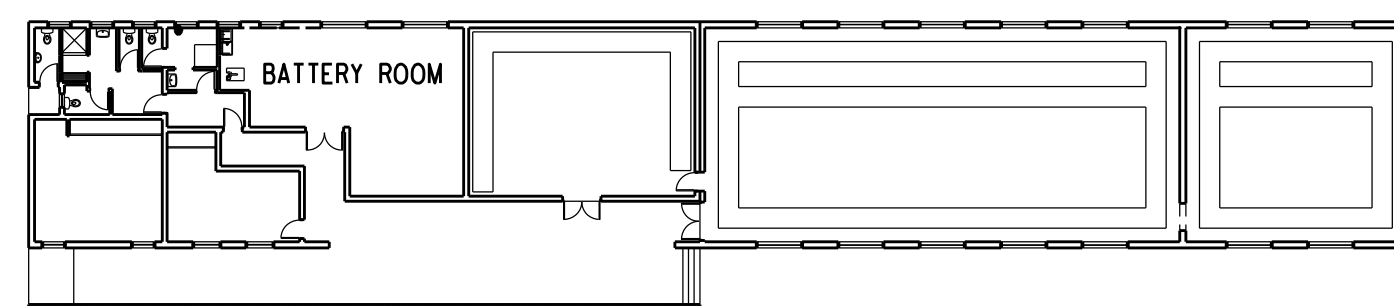


BATTERY ROOM DRAINAGE CHANNEL OUTLET




SECTION THRU' AIR FILTER
FRAME IN BATTERY ROOM

1. ALL WORK TO SANS 10400-1990-2, SANS1200 & NATIONAL PREAMBLE OF TRADES.
ALL WORK AT LEAST COMPLIES WITH THE "ACCURACY IN BUILDINGS" SANS 10155-1980-1,
GRADE OF ACCURACY 2, UNLESS OTHERWISE SPECIFIED.
2. INTERNAL PLASTERED WALLS TO BE CLAY BRICKS CLASS "NFP" IN CLASS II MORTAR.
3. BRICKWORK TO BE REINFORCED WITH 150mm "BRICKFORCE" REINFORCEMENT TO FIRST FIVE COURSES ABOVE FLOOR AND FIVE COURSES ABOVE WINDOW AND DOOR HEAD HEIGHT AROUND, ALSO EVERY THIRD INTERMEDIATE COURSE. BRICKWORK ABOVE PREFABRICATED CONCRETE LINTEL TO BE SOAKED IN WATER.
ALL JOINTS IN BRICKWORK TO BE SOLID POINTED CONCAVE.
4. PREFABRICATED REINFORCED CONCRETE LINTELS OVER DOORS, OPENINGS, WINDOWS, ETC. TO BE ADEQUATELY SUPPORTED DURING BUILDING OPERATIONS.
5. PROVIDE 610x610mm FRAMED ACCESS TRAP DOOR IN CEILING AS SHOWN ON PLAN
IN BATTERY ROOM.



KEY PLAN

FINAL DESIGN FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS	
APPROVED BY		 Eskom			Eskom Holdings SOC Ltd Reg No 2002/015527/30		
DATE							
CHECKED BY		<div style="text-align: center;"> <h1>SOL</h1> <h2>CONTROL BUILDING</h2> <h2>BATTERY ROOM UPGRADE</h2> <h3>PLAN, DETAILS AND SPECIFICATIONS</h3> </div>					
DATE							
DRAWN BY							
DATE		SOL19P05-SE-E58				SHEET NUMBER	REVISION
SCALE AS SHOWN						2	0