

	1	2	3	4	5	6	7	8	9	10	11	12	
	ROOF CONSTRUCTION												
A	CONCRETE ROOF TILES AS SPECIFIED ON 38 x 38 SAP BRANDERS SPACED TO SUIT TILES. SISALATION – 405 RESIDENTIAL GRADE ALUM.FOIL INSULATIONSTAPLED TO TRUSSES BEFORE FIXING PURLINS. 38 x 114 SAP TRUSSES WITH 38 x 152 SAP TIE BEAM AT 600mm MAX.CRS.												A
	WALL PLATES AND TRUSSES TO BE TIED DOWN WITH 38x1,6mm THICK GALV.HOOP-IRON TIES BUILT INTO WALL TO TEN CORSES BELOW WALL PLATE.												
B	CLIMATIC ZONE SANS 10400-XA MIN.TOTAL R-VALUE REQD. DIRECTION OF HEAT FLOW												B
	CONSTRUCTION TYPE      ROOF COVER      CONCRETE TILES AT 22 DEG.PITCH												
	R-VALUE FOR ROOF COVERING      0,02      m2 K/W												
	R-VALUE FOR ROOF CEILING      0,06      m2 K/W												
	ROOF VENTILATION      UNVENTILATED												
C	OUTDOOR AIR FILM (7M/S)      0,03												C
	ROOF TILES      0,02												
	ROOF AIR SPACE – UNVENTILATED      0,18												
	SISALATION INSULATION      0,77												
	DONN BPB CEILING      0,075												
	INDOOR AIR FILM      0,11												
	CEILING INSULATION 100mm THICK      2,50												
	TOTAL R-VALUE      3,68      COMPLY												
D	GUTTER, DOWNPIPE AND FASCIA												D
	150 x 150 x 0,8mm ALUMINIUM PRE-PAINTED CONTINUOUS LENGTH GUTTER AND 100 x 100 DOWNPIPES 10 x 225mm NUTEC FIBRE CEMENT FASCIA SCREWED TO SAP SUPPORT ON OVERHANG												
E													E
F	WALL CONSTRUCTION												F
	FOUNDATION EXTERNAL BRICKS TO BE COROBRIK CLAY CLASS FBS IN CLASS II MORTAR (1:6). BRICKS TO BE CLAY FACEBRICK CLASS 'FBX' TO SABS 227 IN CLASS II MORTAR. FACEBRICK TO BE LIGHT BROWN COROBRIK GOLDEN WHEAT, BLUE BARLEY OR TOPAZ SATIN. INTERNAL PLASTERED WALLS TO BE CLAY BRICKS CLASS 'NFP' IN CLASS II MORTAR. BRICKS TO BE APPROVED BY ESKOM BEFORE DELIVERY. INTERNAL WALLS TO BE CLAY CLASS NFP IN CLASS II MORTAR (1:6). STRETCHER BOND WITH 85mm GUAGE. FOUNDATIONS TO FOUND ON COMPETEND FOUNDING MATERIAL AND TO BE APPROVED BY ESKOM BEFORE PLACING CONCRETE BRICKWORK TO BE REINFORCED WITH 150mm "BRICKFORCE" REINFORCEMENT TO FIRST FIVE COURSES ABOVE FOUNDATIONS AND FOUR COURSES ABOVE WINDOW HEAD HEIGHT AROUND,ALSO EVERY FIFTH INTERMEDIATE COURSE. INTERIOR WALLS TO BE PLASTERED WITH 1:5 CEMENT/PLASTERSAND MIXTURE WITH MIN.12mm THICKNESS. PLASTER TO BE WOODFLOATED WITH SMOOTH SPONGED FINISH ON THE INTERIOR WALLS.. APPLY 1 OR 2 COATS PLASTERSKIM TO MANUFACTURERS SPECIFICATIONS ONE BRICK WALL,PLASTERED BOTH SIDES COMPLY WITH THE MIN.R-VALUE OF 3,5 ACCORDING TO SANS 10400-XA 4.4.3.2												
G													G
H	FINAL DESIGN FOR CONSTRUCTION												H
	1	2	3	4	5	6	7	8	9	10	11	12	SIZE GROOTTE A2L

CEILING

6,4mm RHINOBOARD GYPSUM CEILING ON  
38 x 38 SAP BRANDERS AT 400mm CRS.WITH H-PROFILE JOINTING STRIPS.  
150mm SHAPED HIGH DENSITY POLYSTERENE  
  
100mm THICK AEROLIGHT (THINK PINK)CEILING INSULATION TIGHTLY FIT BETWEEN TRUSSES.  
DO NOT PLACE AT 50mm THICKNESS TO CONFORM TO ENERGY EFFICIENCY REQUIREMENTS.  
ADD ADDITIONAL SAP BRANDERS AT 400CRS UNDER TRUSS TIE – BEAM FOR SUPPORT.

FOUNDATIONS

700 x 300 REINFORCED CONCRETE STRIP FOUNDATIONS ON  
APPROVED COMPETEND FOUNDING MATERIAL.  
FINAL FOUNDATIONS TO BE APPROVED BY ESKOM ENGINEER BEFORE PLACING

SKIRTING

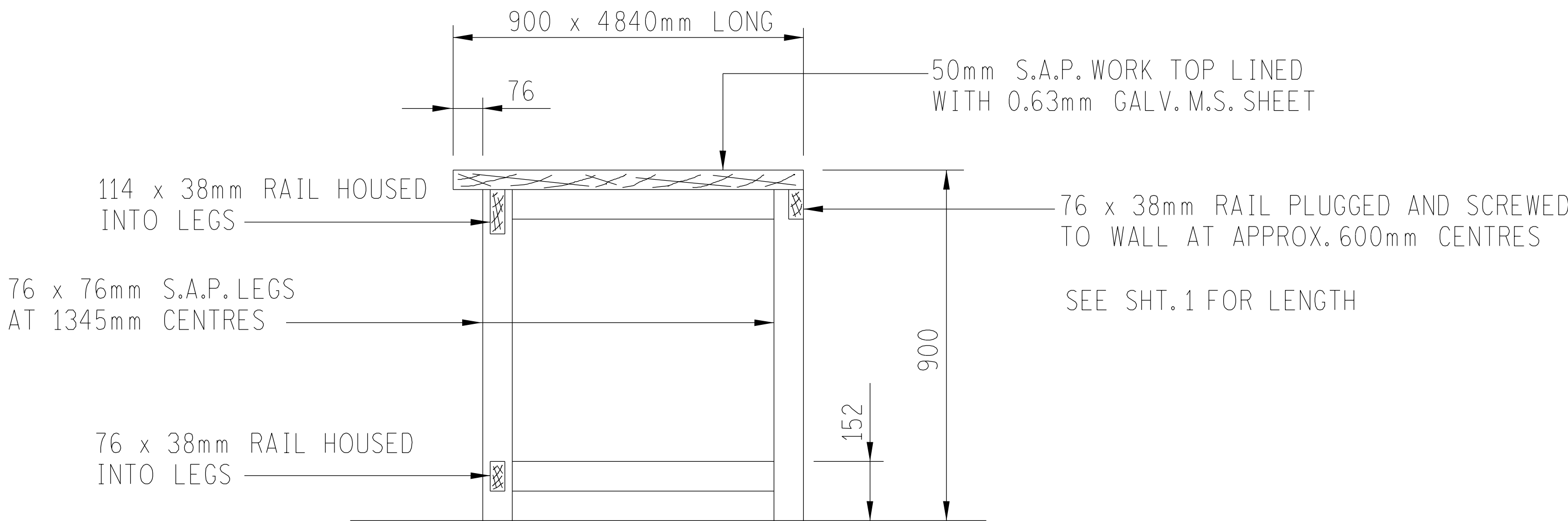
75mm HIGH ALUMINIUM FLAT FIXED TO WALL WITH PLUGS AND  
C.P ROUND HEAD SCREWS.

WINDOW SILLS

EXTERIOR – FACEBRICK ON EDGE  
INTERIOR – 150mm WIDE x 15mm NUTEC WINDOWSILL

FLOOR FINISH

SURFACE PREPARATION AND PRIMER TO FLOWCRETE SPECIFICATIONS  
  
WITHIN 24 HOURS OF PRIMING APPLY FLOWCRETE SELF LEVELLING  
EPOXY COATING – FLOWCRETE FLOWSHIELD 1000 BLEND  
USING A STEEL NOTCHED TROWEL TO A CONSISTEND THICKNESS OF 1mm.  
FINISH OFF WITH A PIKED ROLLER TO REMOVE ANY AIR  
25mm MIN.SAND CEMENT SCREED – STEEL FLOATED.  
  
SCREED ON 150mm REINF.CONCRETE SLAB.  
25/19 STRENGTH  
MESH.REF.395 TOP (30mm COVER).  
SLAB ON SELECTED FILL,COMPACTED WELL IN MAX.150mm LAYERS.  
250micron USB GREEN DAMP PROOF MEMBRANE UNDER SLAB AND FOLDED UP BETWEEN SLAB AND WALL



WORKBENCH DETAIL

COLOUR

ROOF TILES  
FASCIA  
GUTTER  
  
TILES – MARLEY DOUBLE ROMAN SLATE GREY THROUGH COLOUR  
PROMINENT SATIN ACRYLIC – MISTY MORNING 1403 – Y51R  
ALUMINIUM WHITE

EXTERIOR WALLS  
  
FACEBRICK COROBRIK – SEE PLAN

STEEL DOORS  
  
PRIMER FOR GALV.STEEL & PROMINENT ENAMEL – GREY 2502 – G05Y

DOORS  
INTERNAL WALLS  
  
SEE DOOR SCHEDULE  
PROMINENT SHEEN – WHITE CLOUD 0702 – Y

INTERNAL WINDOW SILL  
  
PROMINENT GLOSS ENAMEL LIGHT GREY 1703-G53Y


OVERHANG TIMBER  
  
CREOSOTE

GENERAL STEEL  
  
HAMMERITE GREY

SHELVING

INSTALL AND FIX TO WALL "LINVAR STORAGE SYSTEMS" OR SIMILAR APPROVED  
TYPE Linspace 11-OFF SINGLE ENTRY BAYS AS SHOWN ON PLAN.  
SIZE 1000w x 2200h x 500dp  
COMPLETE WITH UPRIGHTS, TOP & BASE, 4 SHELVES AND ALL FITTINGS.  
ORDER – NSBAY50PK1  
TEL. 080-011-0468

REFERENCE

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS	
APPROVED BY		 Eskom			Eskom Holdings SOC Ltd Reg No 2002/015527/30		
A. MANELI							
DATE	19-3-2021						
CHECKED BY		TRANSMISSION SUBSTATIONS MAINTENANCE AND STORAGE BUILDING GENERAL FINISHES SCHEDULE					
A. KAKA							
DATE	29-1-2021						
DRAWN BY							
DB NAUDE							
DATE 17-8-2020		0.54/8828				SHEET NUMBER	REVISION
SCALE AS SHOWN						5	0