Building	Component Journal

	External Lightweight wall		Page 1
-205.A.01			Date: 03.01.2016
	Functions-and material demands for the building componnent part/sketch of		Execution/build up of the
Building part/subject/location:	construction of the component:	Building product: (Type, dimensions/thickness etc.)	construction:
	- External walls are the shield of the house against the open	20 mm Wooden Panel: Rockpanel, color Ebony	
	External wails are the shield of the house against the open	20*100 mm c/c 600 mm Counter batten	 We mount steel column/ beam
	- You distinguish between heavy and light external walls	12 * 45 mm c/c 600 mm Distance strip/Distance List	
	- Load-bearing structures must be designed to withstand normally occurring	9 mm Wind barrier (Weather Board - 9/900 mm type WB-3)	- To keep warm inside the house we
	static and dy-namic loads	http://www.knaufdanogips.dk/Produkter/Gipsbyggesystemer/Pladetyper/	put the wood wool insulation
	- Buildings must be built so as to prevent water, moisture and damp from	Gipsplader/Weather-Board.aspx?ProductID=PROD4634	(192mm).
	causing damage or undermining serviceability, impai- ring durability and		- On the insulation we put the
	vitiating health and safety conditions	IPE 240/ flexibattsl insulation	wooden stud for make a pressure on
	- External walls shall be so con-structed that they will not be da-maged by	http://www.rockwool.dk/produkter/u/7427/bygningsisolering/flexibatts	insulation. Then we attached weather
	moisture. Further, the construction shall be so made that any ingress of water	DPM	
	can be lead out again. The insertion of damp proof courses and damp proof		- On weather board we put the
	membranes can ensure this Insulation against moisture from the foundation	45 mm Batten c/c 600 mm / flexibatts insulation	distance list to attached wooden
	is established by placing a bitumen felt damp proof course at least 150 mm	http://www.rockwool.dk/produkter/u/7427/bygningsisolering/flexibatts	cladding.
	above ground level	20 mm Plywood	
Walls outside the house	- Bitumen felt is placed above all openings in the outer leaf	12.5 / 900 mm Fibre Board Type G3	- On the last step we put the wooden
Walls Outside the house		http://www.knaufdanogips.dk/Produkter/Gipsbyggesystemer/Pladetyper/	cladding.
	- Max. height : external wall along at least one longitudinal side: 3.0 m.	Fibergipsplader.aspx?ProductID=PROD4265	
	- By dividing, Physical- limitations	Fire box	- We are mountinf DPM on the innre
	- By dividing, thermal	http://www.rockwool.dk/produkter/u/9654/brandbeskyttelse/brandbesk	side of wall
	- By dividing visual	yttelser-af-staal/staalsvejsestritter	After that we are mounting studs
	- By being undangerous, physical- safety		with insulation in between
	- By giving firetechnical safety		We finishing with putting plywood
	- By being sustainable, during age and time		The last step is to mount the fiber
	- By being sustainable for heat/cold		gypsum on the plywood
	- By being solid for pressure		
	- By being strengthened		
	- By keeping apperance as designed		
	- By being sound deadened		
	- By being fixable in the construction		
	- By working well with the other components materials		

20 mm Wooden Panel: Rockpanel, color Ebor 20*100 mm c/c 600 mm Counter batten 12 * 45 mm c/c 600 mm Distance strip/Dista 9 mm Wind barrier (Weather Board - 9/900 mm type WB-3) IPE 240/ mineral wool insulation DPM 45 mm Stud c/c 600 mm / Mineral wool insulation 20 mm Plywood 12.5 / 900 mm Fibre Board Type G3