THE WADDEN SEA CENTRE

DORTE MANDRUK ARKITEKTER

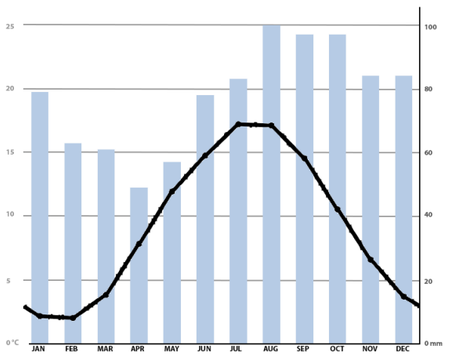
EMMA SENESAEL
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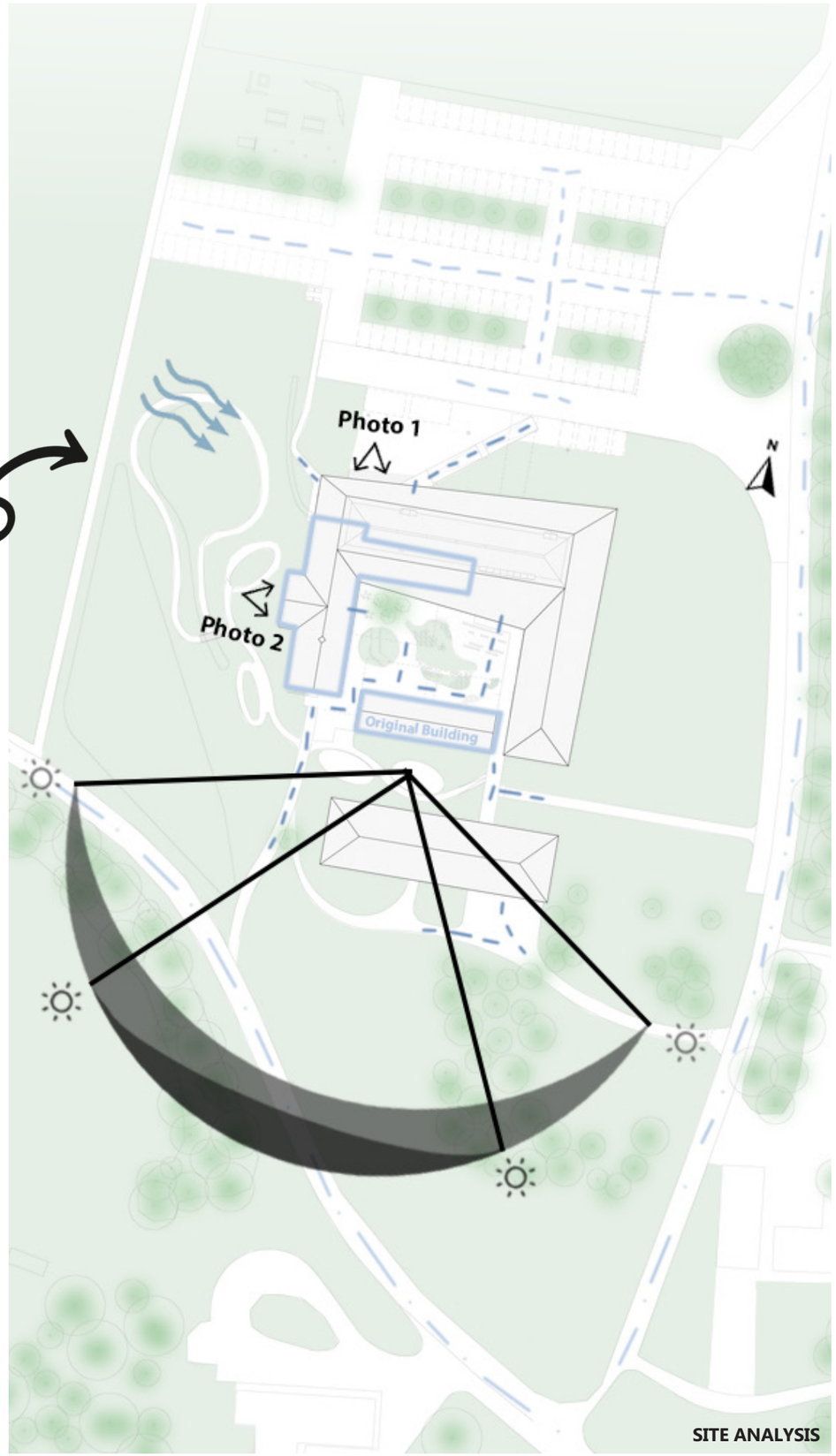


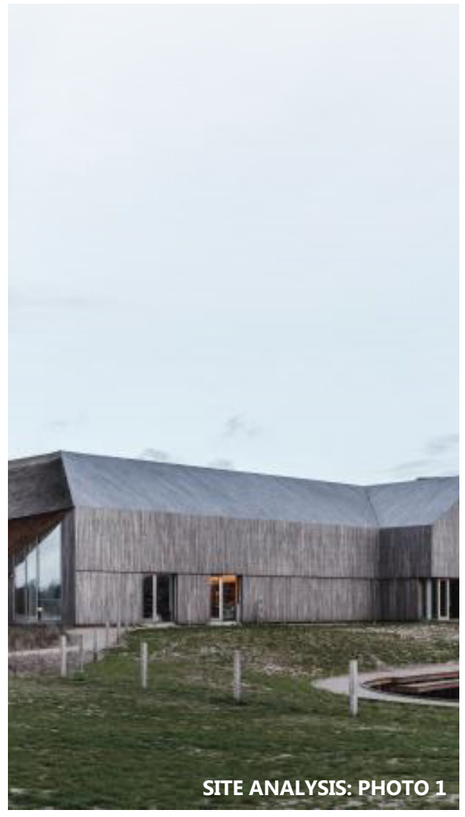
THE KÖPPEN-GEIGER CLIMATE CLASSIFICATION FOR THIS PROJECT IS Cfb: TEMPERATE
NO DRY SEASON-WARM SUMMER

ACCORDING TO STATISTICAL DATA, THE AVERAGE ANNUAL TEMPERATURE IN RIBE IS RECORDED AS 9.4°C

THE ANNUAL PRECIPITATION QUANTITY IS APPROXIMATELY, 932mm.







THEY CHOOSE THE NORTHSIDE FOR BETTER LIGHTNING IN THE EXHIBITION ROOM.

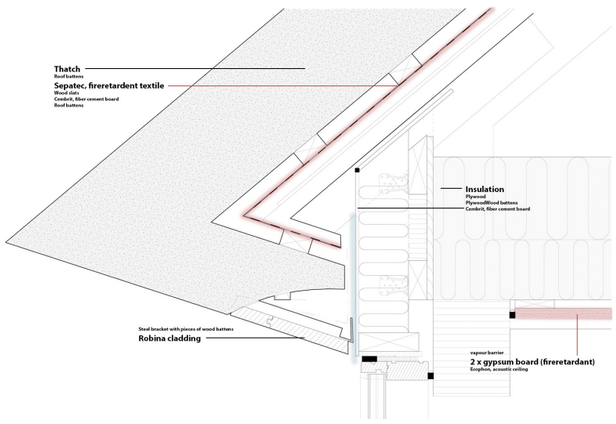
THE CAFE AND COMMON ROOMS ARE ALL PLACED ON THE WEST SIDE BECAUSE OF THE BEAUTIFULL VIEW ON THE LAND AND NO DIRECT SUNLIGHT.



‘ULTRAMODERN, SCULPTURAL ARCHITECTURE ROOTED IN LOCAL TRADITION”

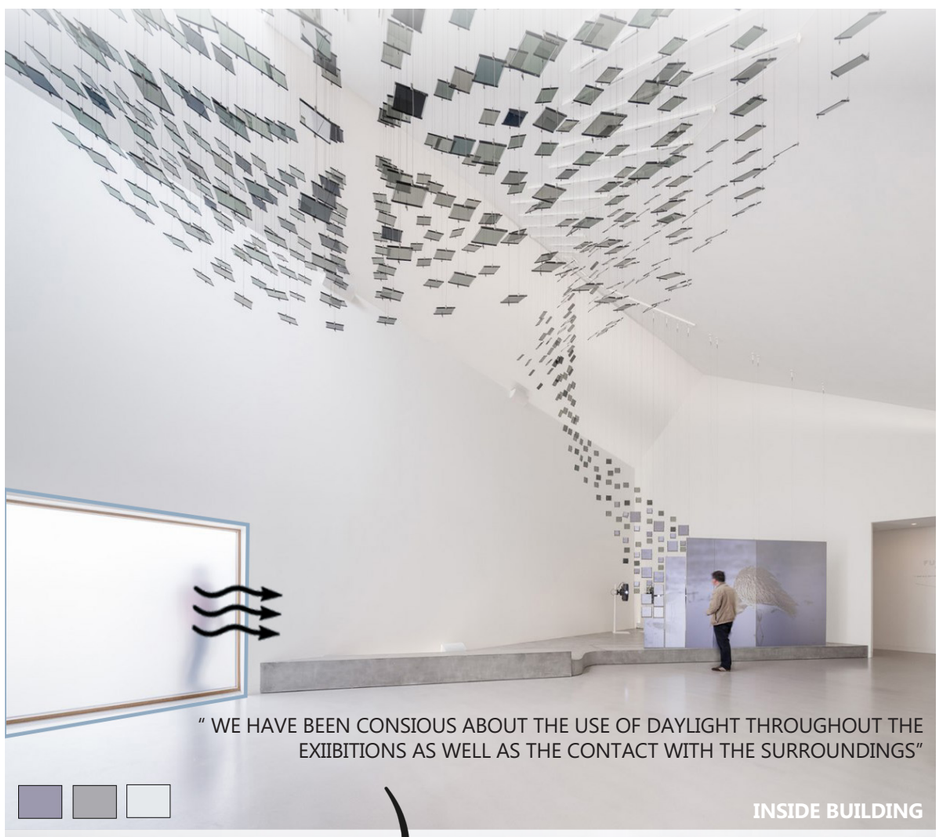
‘THE BUILDING LOOKS LIKE IT EMERGED FROM THE GROUND, WITH A SOFT, LONWG AND CLEAR PROFILE AGAINST THE INFINITE HORIZON ”





FIRE RESISTANT
+ VENTILATION





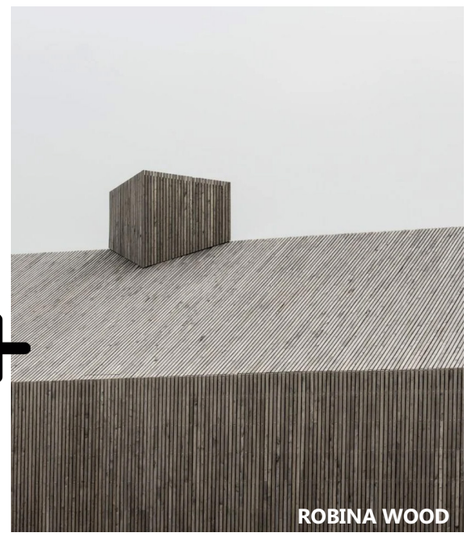
CONTRAST
BE TWEEN INSIDE AND OUTSIDE



STEEL FRAME + MANSORY INFILL



LOCALLY HARVESTED REEDS -
SUSTAINABLE MATERIAL -
NATURALLY IMPREGNATED BY THE SALT -
WIND KEEPS THEN DRY AND FUNGUS FREE -



DURABLE AND SUSTAINABLE -
STRONG -
NOT LOT OF MAINTENCE NEEDED -

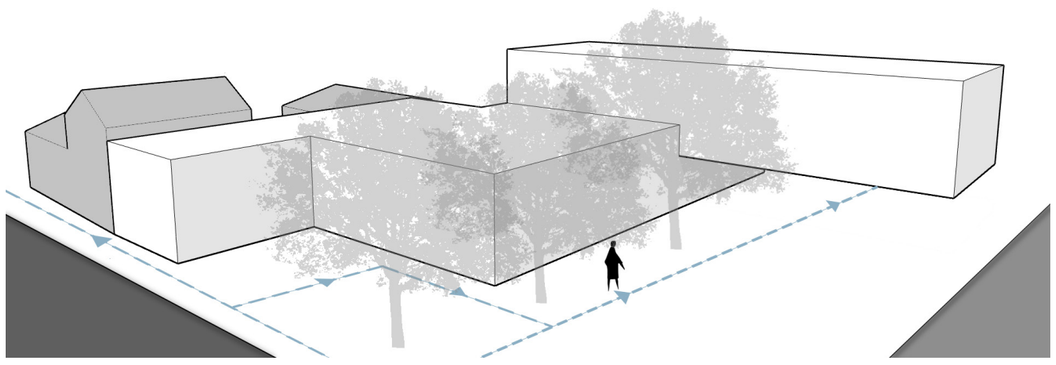
“THATCH CAN’T BE USED IN WARM AND WET CLIMATE”
SOUTH FACADE NOT ENOUGH VENTILATION + TO MUCH SUNLIGHT



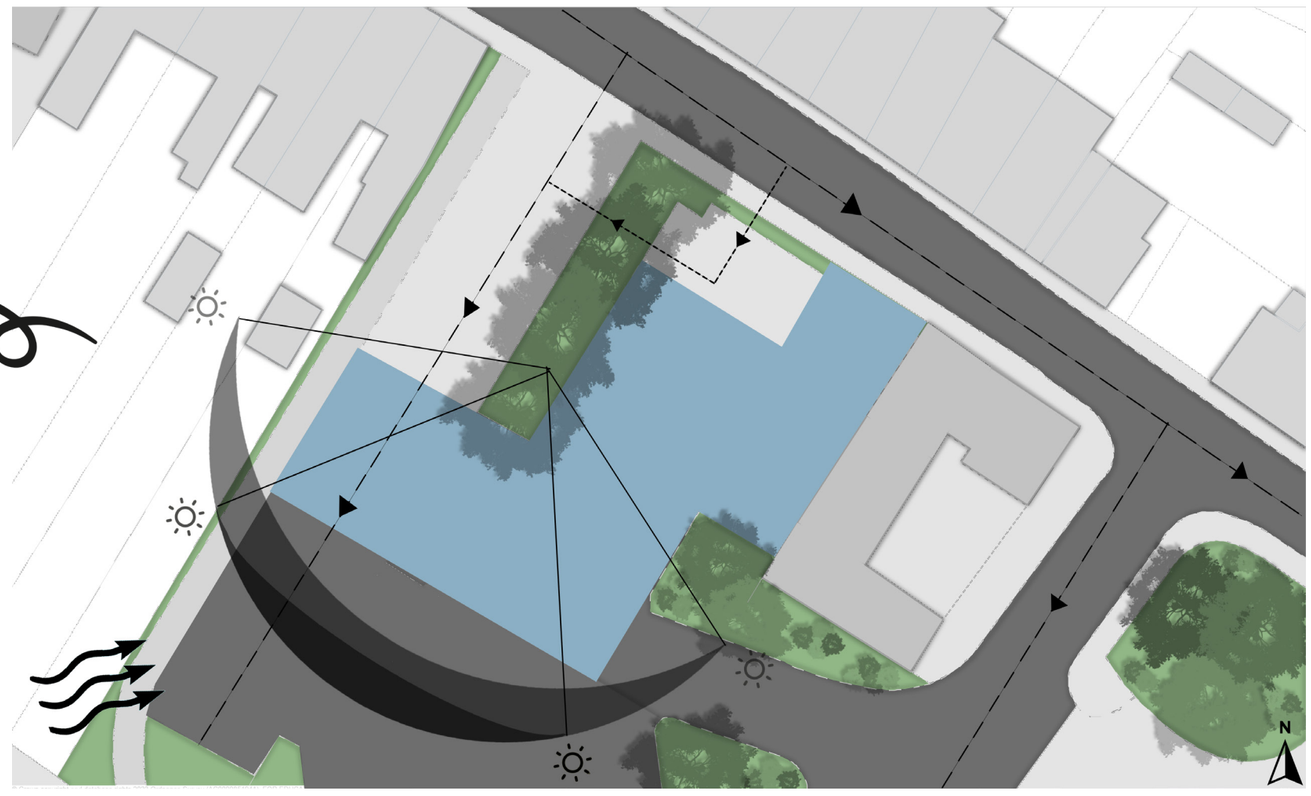
MODULAR FACADE SOLUTION

COURTYARD ARTS CENTRE

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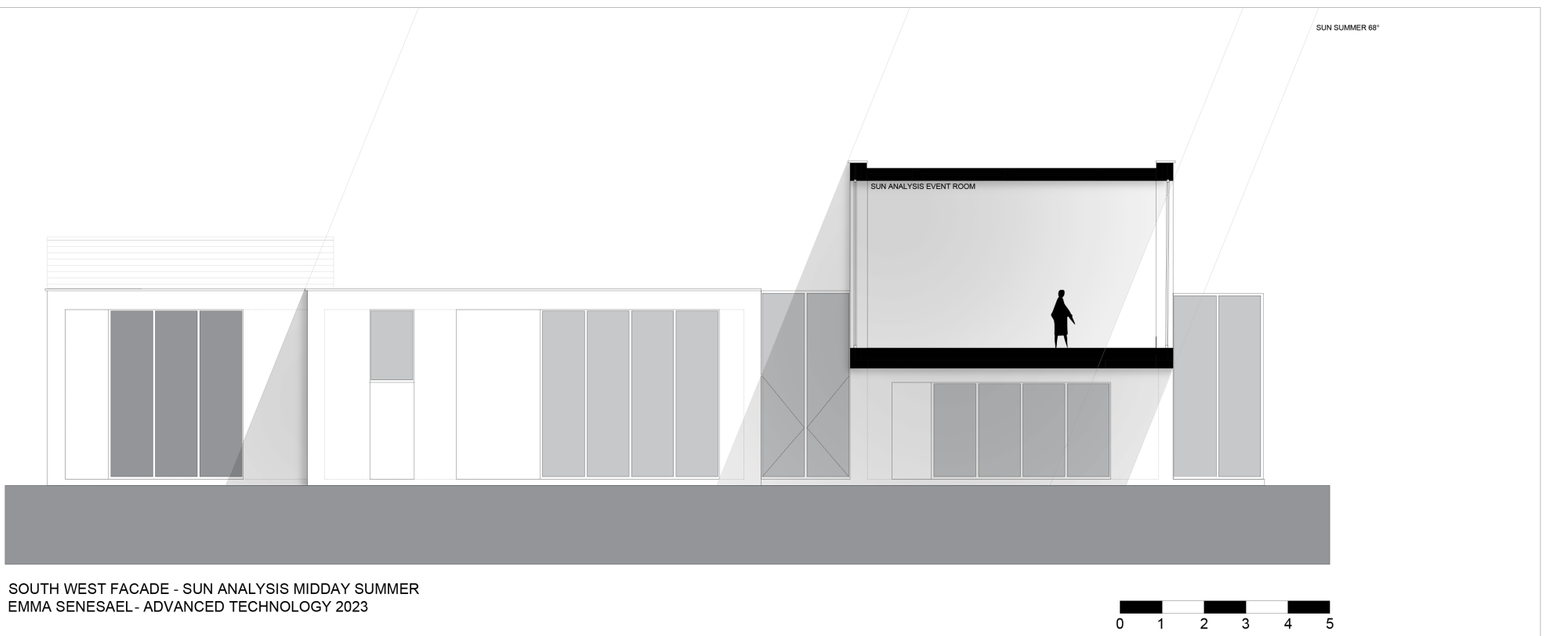


MOVEMENT PATTERN ON THE SITE



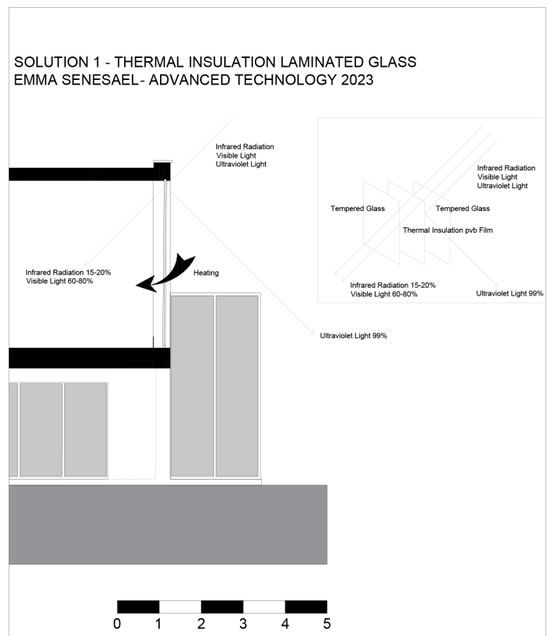
BUILDING FORM STRATEGIE DIAGRAMS

SITE PLAN ANALYSIS



SOUTH WEST FACADE - SUN ANALYSIS MIDDAY SUMMER
EMMA SENESAEL - ADVANCED TECHNOLOGY 2023

SOUTH WEST FACADE - SUN ANALYSIS MIDDAY WINTER
EMMA SENESAEL - ADVANCED TECHNOLOGY 2023



SECTION DIAGRAM - QUALITY OF LIGHT + ENVIRONMENTAL



BIOCOMPOSIET NABASCO 8010

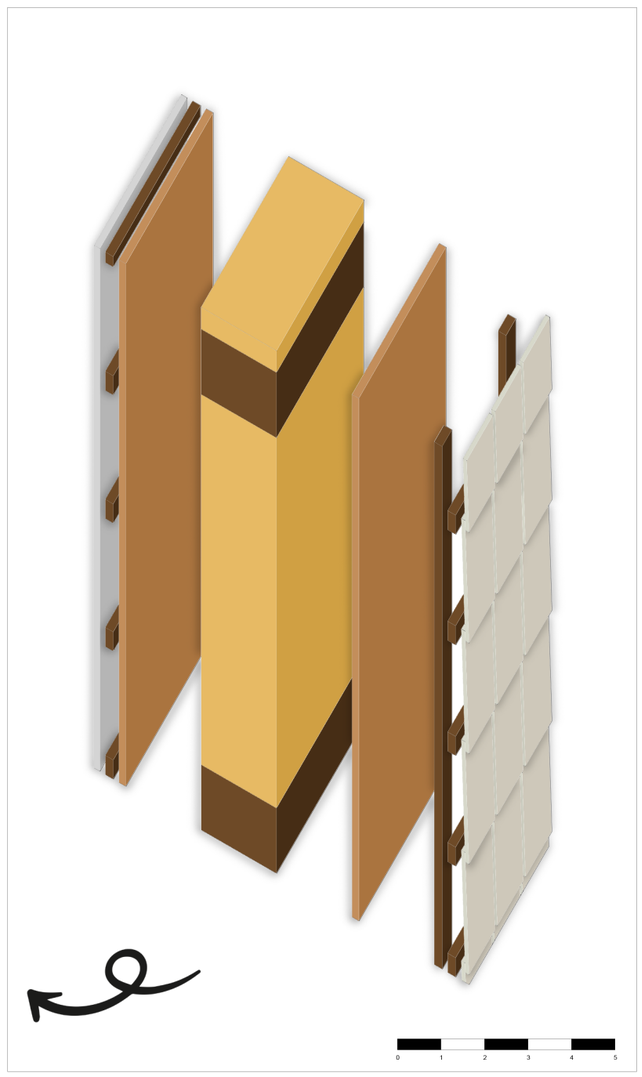
COMBINATION OF DUTCH REED, LIME AND BIOBASED RESIN
PRODUCED UNDER HEIGH PRESURE INTO A MOLD

https://www.npsp.nl/en/material/nabasco-8010

- FROM BIOBASED MATERIALS
- FOR INDOOR AND OUTDOOR
- NO COATING
- DURABLE AND SUSTAINABLE
- STRONG
- NOT LOT OF MAINTENCE NEEDED
- WEATHER RESISTANT



FACADE STUDIE



EXPLODED AXONOMETRY - FACADE STUDY
EMMA SENESAEL- ADVANCED TECHNOLOGY 2023

EXPLODED AXONOMETRY

