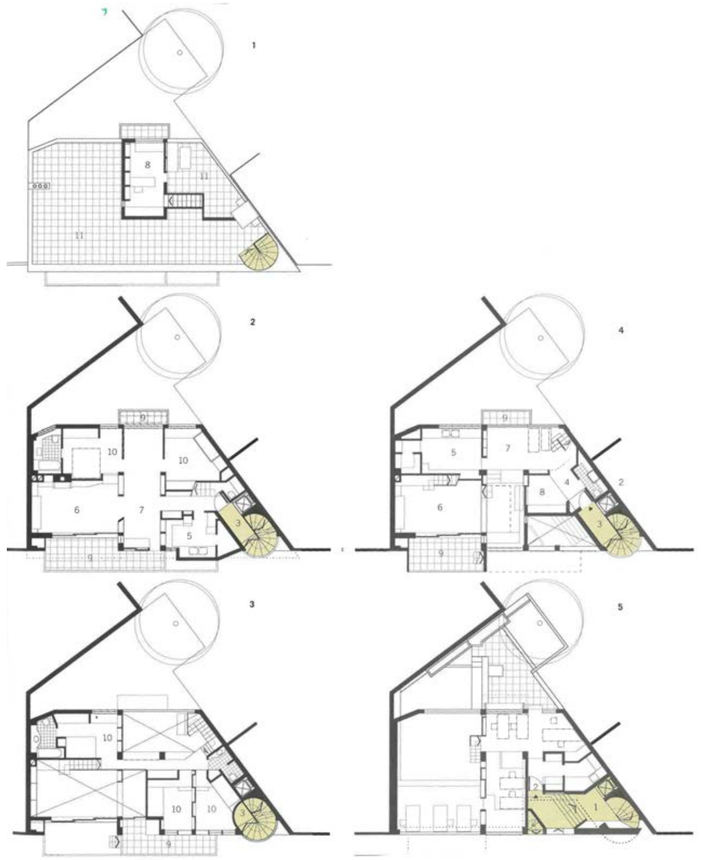
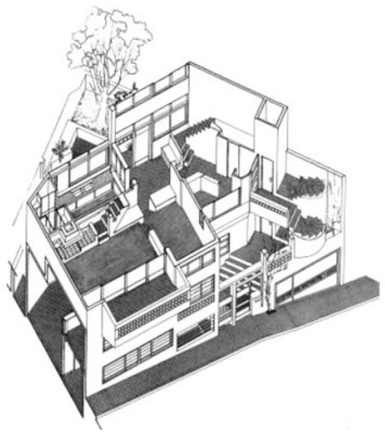
BRIEF

TO DEVELOP 30 TO 60 SOCIAL HOUSING DWELLINGS RANGING FROM 1 TO 4 BEDROOMS ON THE MOULSECOOMB LIBRARY AND COMMUNITY SITE . DURING THIS PROCESS THERE WILL BE EXPERIMENTATION WITH ORGANISATIONAL STRATEGIES, MOVEMENT SCHEMES AND PATTERNS OF OCCUPATION. **THE AIM IS TO DEVELOP AN IDENTITY FOR THE SITE AND THE BUILDINGS THAT INHABIT THE SPACE.**

THE BRIEF EXPRESSES A REQUEST TO HAVE **STONE AND TIMBER AS MAIN MATERIAL**, ELEMENTS OF STRUCTURE. STEEL AND CONCRETE MAY BE USED BUT NOT AS A PRIMARY LOAD BEARING STRUCTURE.





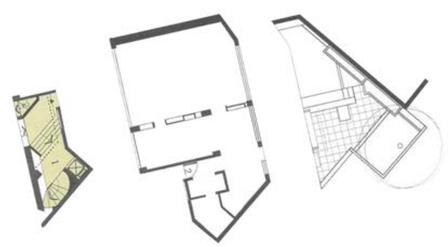
BENAKI- ATELLIER 66

BENAKI STREET APARTMENTS WAS BUILT IN GREECE BY THE FOUNDERS OF ATELLIER 66, DIMITRIS AND SUZANA ANTONAKAKIS. THEIR AIM WAS TO INTRODUCE A DIFFERENT CONCEPT TO MIDDLE CLASS APARTMENT BUILDINGS. THE APARTMENT WAS BUILT TO HOUSE THE ARCHITECTS AND THREE OTHER FAMILIES (FOUR FAMILIES IN TOTAL), THEY ALL TOOK ON THE ROLE OF CONTRACTOR AS A JOINT VENTURE.

BENAKI'S APARTMENTS ARE CONCRETE WITH 6 FLOORS IN TOTAL INCLUDING THE BASEMENT ARE NOT CONFINED TO ONE FLOOR BUT OCCUPY MULTIPLE LEVELS. THE GROUND FLOOR IS LINKED TO THE BASEMENT, THE FIRST FLOOR IS TWO STORIES HIGH, THE THIRD FLOOR IS PARTIALLY LINKED TO THE SECOND FLOOR AND THE FOURTH FLOOR IS CONNECTED TO THE ROOF. EACH APARTMENT IS LAID OUT DIFFERENTLY TO MEET THE NEEDS OF EACH OWNER.

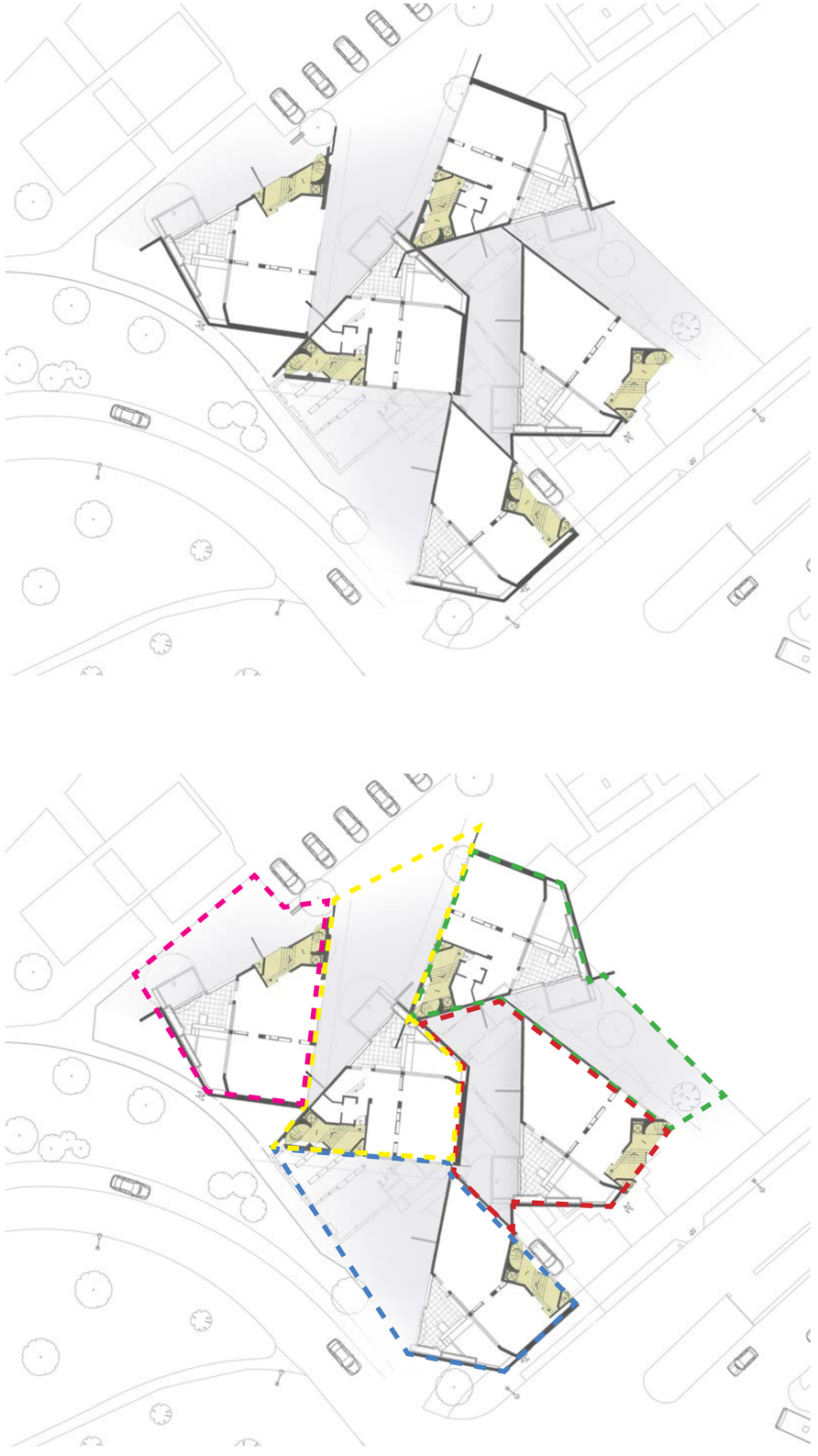
AS YOU ENTER THE BUILDING YOU ENTER THROUGH A COURTYARD; THE PUBLIC STAIRWAY IS OPEN AND IN CONTACT WITH THE STREET. THE PRIVATE APARTMENT SPACES ARE ARRANGED WITH THE HELP OF A COMPLEX CIRCULATION CORRIDOR WITH BALCONIES ON THE NORTH AND SOUTH SIDE ENSURING VENTILATION FROM BOTH SIDES. THE CENTRAL CORE FUNCTIONS AS AN INTERIOR ATRIUM.

THE RELATIONSHIP BETWEEN INSIDE AND THE SURROUNDING ENVIRONMENT IS WHAT DREW ME TO THIS PRECEDENT. WITH ITS MULTIPLE VIEW POINTS SHOWN BY THE ROOF TERRACE, THE BALCONIES ON THE NORTH AND SOUTH SIDE OF THE BUILDING AS WELL AS ITS INTERNAL COURTYARD AND ATRIUM. IT WOULD BE INTERESTING TO SEE HOW THIS WOULD FUNCTION ON MY SITE.



BENAKI- ATELLIER 66

I CHOSE THIS PRECEDENT BECAUSE I LIK3ED HOW **THE SPACE IS SPLIT INTO THREE ELEMENTS THE 'INDOOR COURTYARD, THE DWELLING AND THE ENTRYWAY'.** THE NEXT STEP WILL BE TO PLAY WITH ORIENTATION ON THE SITE TO SEE HOW IT WOULD WORK ON THE MOULSECOOMB SITE.



SOLITUDE

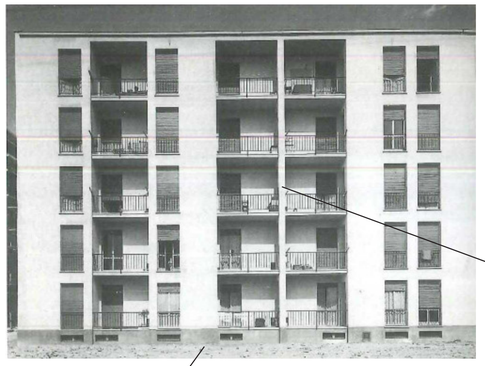
USING BENAKI APARTMENTS AS A HOUSING PRECEDENT I WANTED TO PLAY AROUND WITH DIFFERENT ARRANGEMENTS TO SEE HOW I WOULD FIT 30 DWELLINGS IN MY SITE WHILE EXPLORING A WELL THOUGHT OUT STRATEGY FOCUSING ON HOW THE INHABITANTS INTERACT WITH THE INTERNAL COMMUNITY IN THE COMPLEX AND THE EXTERNAL MOULSECOOMB COMMUNITY.

THE FIRST STRATEGY I TESTED WAS THE IDEA OF SOLITUDE, WHERE FROM YOUR APARTMENT BLOCK YOU CAN WALK THROUGH THE COURTYARD TO YOUR OWN SEGREGATED OUTSIDE AREA. IN THIS EXPERIMENT MY FOCUS WAS ON THE RELATIONSHIP BETWEEN THE INDOOR COURTYARD AND THE OUTSIDE. I LIKED THE IDEA OF PRIVATE SPACES HOWEVER I DIDN'T THINK ABOUT THE ACCESSIBILITY OF THE ENTRANCE (YELLOW).

I THEN DEVELOPED THE IDEA SLIGHTLY BY CHANGING THE LOCATION OF THE ENTRYWAYS MAKING SURE THEY DON'T INTERFERE WITH EACH OF THE SECLUDED AREAS (LEFT). THE PURPLE IS TO REPRESENT THE AREA OF THE SECLUDED OUTSIDE SPACE.

DE CARLOS ARCHITECTURAL RESPONSE TO HIS SESTO SAN WORKERS HOUSES WAS THIS HOUSING PROJECT IN BAVENO. LEARNING FROM HIS MISTAKES HE CREATED THIS DESIGN USING A **NON LINEAR APPROACH**. THROUGH THIS GIANCARLO DE CARLO WAS ABLE TO **CREATE A BALANCE BETWEEN PUBLIC AND PRIVATE BY ALLOWING BALCONIES TO OVERLOOK OTHER BUILDINGS** AS WELL AS THE SURROUNDINGS.

DWELLINGS ARE ALL KEPT ON ONE LEVEL TO PREVENT NEIGHBOURS BEING ABLE TO SEE INTO OTHER PEOPLES BALCONY



PRIVATE BALCONIES TAKEN UP BY LAUNDRY RATHER THAN INHABITANTS ENJOYING THEIR PRIVATE SPACE

PARTITIONS TO SEPARATE BALCONY SPACE AND KEEP THE PRIVACY.

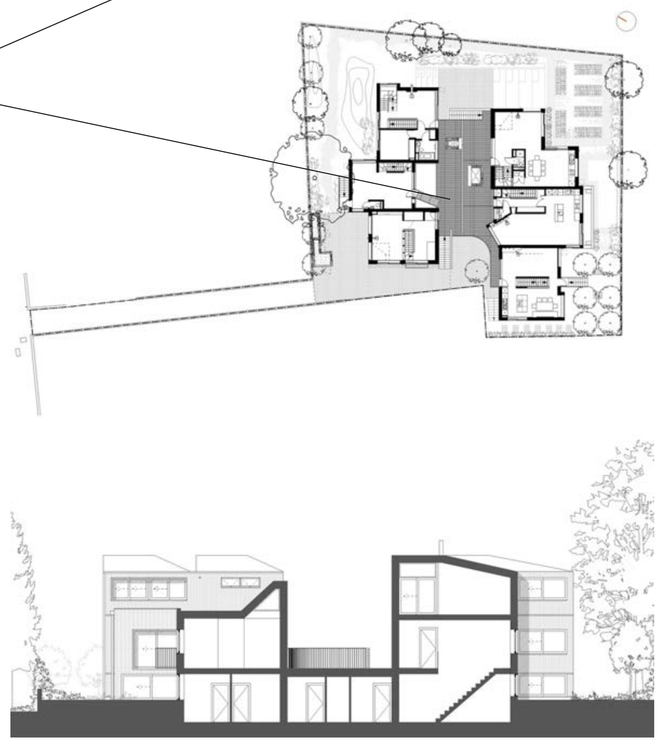
IS SOLITUDE THE RIGHT STRATEGY? - WORKERS HOUSE

ALTHOUGH PRIVACY AND THE IDEA OF ONE HAVING THEIR OWN ISOLATED SPACE SEEMS LIKE A GREAT IDEA AFTER READING ABOUT GIANCARLO DE CARLO'S FIRST INDEPENDENT PROJECT IT MADE ME RE-THINK THE IDEA. DE CARLO WON A COMPETITION IN 1950 WHERE HE DESIGNED A BLOCK OF 50 WORKERS APARTMENTS AT SESTO SAN GIOVANNI IN MILAN. **DE CARLO PLACED IDENTICAL DWELLINGS IN A LINEAR BLOCK WITH TALLER APARTMENTS ON EITHER END AND NORTH FACING ACCESS BALCONIES TO REDUCE DISTURBANCE AND NOISE. PRIVATE BALCONIES ON THE SOUTH SIDE WITH VIEWS OUT TO THE SURROUNDING LANDSCAPE**. DE CALOS AIM WAS TO PROVIDE FAMILIES WITH OPTIMAL SPACE AND MAXIMUM DEGREE OF PRIVACY. AFTER WITNESSING HOW RESIDENCE OCCUPIED THE FLATS **DE CARLO CHANGED HIS ENTIRE APPROACH TO HOUSING DESIGN AS HE OBSERVED THAT THE PRIVATE BALCONIES WERE OBSCURED BY LAUNDRY AND NEIGHBOURS CHOSE INSTEAD TO USE THE NORTH FACING BALCONY AS IT ALLOWED THEM TO SEE THEIR NEIGHBOURS AND PEOPLE PASSING**. IN RESPONSE HE DEVELOPED HIS PROJECT IN BAVENO (SHOWN ABOVE RIGHT). IN THE PLANS IT IS CLEAR THAT EVERYONE GETS TO HAVE A DIFFERENT VIEW OF THE SURROUNDING ROADS AND PEOPLE.

I FEEL THIS MAKES A LOT MORE SENSE FOR MY SITE AS THE MOULSECOOMB COMMUNITY IS QUITE DISTANT, THERE ISN'T ANYTHING BRINGING THEM TOGETHER AND A STRATEGY FOCUSED ON KEEPING THE INDIVIDUAL TO THEMSELVES DOESN'T SOLVE THIS PROBLEM. MY STRATEGY SHOULD BE FOCUSED ON BRINGING THE 'LOVE THY NEIGHBOUR' BACK INTO HOUSING.

STRONG INTERNAL CENTRALISED COMMUNITY HIDDEN FROM THE EXTERNAL MOULSECOOMB COMMUNITY

CENTRAL COMMUNAL SPACE RAISED TO KEEP IT SEGREGATED FROM THE ANYONE ON THE OUTSIDE



COMMUNITY FOCUSED DESIGN- COPPER LANE

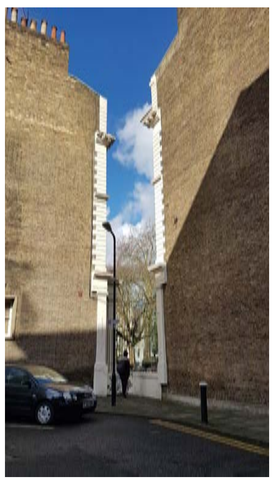
LONDON'S FIRST COMMUNITY LED HOUSING WAS BUILT ON COPPER LANE, HACKNEY IN 2014 FOR SIX FAMILIES. THE SIX HOUSES ARE SURROUNDING A RAISED CENTRAL COURTYARD WITH A COMMUNAL SPACE UNDERNEATH FEATURING A HALL, WORKSHOP AND LAUNDRY ROOM. AROUND THE PERIMETER OF THE HOUSING IS A SHARED GARDEN. EACH HOUSE HAS TWO OR THREE ENTRANCE DOORS ALLOWING YOU TO COME THROUGH THE COMMUNAL HALL OR THROUGH A SEPARATE ENTRANCE. THE DESIGN STRATEGY WAS TO 'MAXIMISE EXTERNAL SPACE AND DEVELOP A BUILDING TYPE THAT MANIFESTS THE IDEA OF COMMUNITY'. THE VIEW POINTS ARE FOCUSED TOWARDS THE GARDEN HOWEVER THERE ARE **TIMES WHERE BALCONIES AND WINDOWS FACE THE COURTYARD ALLOWING YOU TO FEEL APART OF THE INTERNAL COMMUNITY.** FOUR 3-STOREY HOUSES ARE CLAD IN UNTREATED VERTICAL TIMBER BOARDS AND TWO 2 STOREY HOUSES ARE MADE OF BRICK.

THE PHILOSOPHY IS TO REDUCE THE HOUSEHOLDS COLLECTIVE IMPACT ON THE ENVIRONMENT IN THE CONSTRUCTION OF THEIR HOMES AS WELL AS IN THEIR DAILY LIVES. THE EMBODIED ENERGY OF THE CONSTRUCTION HAS BEEN CONSIDERED IN EVERY RESPECT BY RECYCLING WASTE MATERIAL FROM THE DEMOLITION, TIMBER SUPERSTRUCTURE, TIMBER CLADDING, TIMBER FENESTRATION AND PARTIAL GREEN ROOF. THE PERFORMANCE OF THE BUILDING FABRIC PLAYS AN IMPORTANT ROLE WITH LOW COST AND PROVEN TECHNOLOGY SO PARTICULAR FOCUS WAS PLACED ON INSULATION, AIR TIGHTNESS AND HEAT RECOVERY VENTILATION. THE ONLY RENEWABLE USED ARE SOLAR PANELS. EACH HOUSE HAS BEEN DESIGNED TO HAVE A GENEROUS PROVISION OF NATURAL LIGHT WHILE ENSURING HOUSES DO NOT OVERLOOK EACH OTHER AS AN AGREED LEVEL OF PRIVACY WAS REQUESTED.

I LIKE THE IDEA OF HAVING A CENTRAL HUB FOR THE COMMUNITY WITH BOTH THE COURTYARD AND THE COMMUNAL SPACE BELOW, THIS ENCOURAGES CONVERSATIONS AND CLOSENESS WITHOUT IT BEING FORCED UPON, THIS IS WHAT MY PREVIOUS DESIGN LACKED. IN MY RESPONSE I PLACED THE COURTYARDS AROUND A CENTRAL SPACE SIMILAR TO COPPERS LANE. THIS TIME I WANTED TO KEEP THE ENTRANCE QUITE PRIVATE IN REGARDS TO THE INTERNAL COMMUNITY. BY KEEPING THE ENTRY DOOR AND STAIRCASE AWAY FROM THE CENTRAL SPACE IT ALLOWS TIME FOR PEOPLE TO ADJUST, WALKING FROM THE EXTERNAL COMMUNITY TO THE INTERNAL COMMUNITY. IT WOULD BE INTERESTING TO LOOK INTO THAT TRANSITION

IT IS IMPORTANT TO FIND A WAY OF KEEPING THE STRONG INTERNAL COMMUNITY WITHOUT SHUTTING OUT THE EXTERNAL MOULSECOOMB COMMUNITY COMPLETELY.

STRONG INTERNAL COMMUNITY WITH LINKS TO EXTERNAL COMMUNITY. WHEN PASSERS WALK BY THEY ARE ABLE TO LOOK THROUGH THE WALKWAYS AND BE INTRIGUED WITHOUT SEEING EVERYTHING THAT GOES ON INTERNALLY



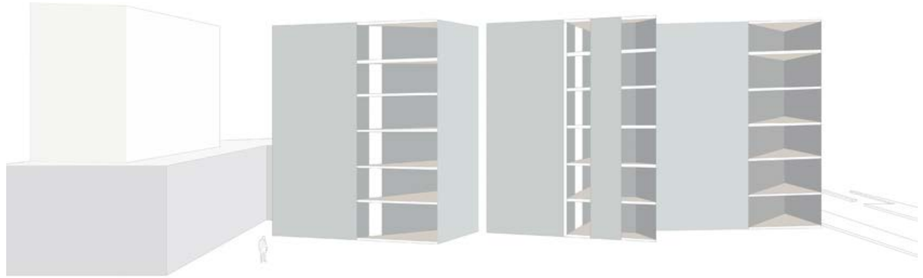
NOSY NEIGHBOUR

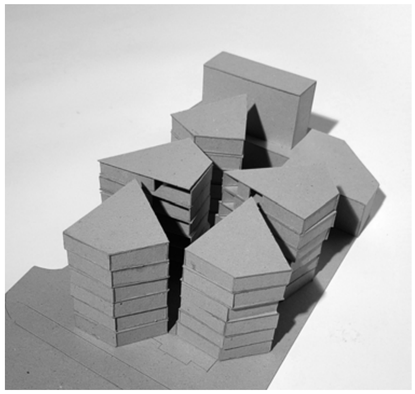
EVEN THROUGH I LIKED THE PREMISE OF THE LAST DESIGN I WANTED TO TEST ONE MORE STRATEGY EXPERIMENT. IT IS TRUE THERE ARE PEOPLE THAT LOVE TO BE APART OF A COMMUNITY AND THERE ARE PEOPLE THAT WOULD PREFER TO BE ALONE AND DON'T CARE TO INTERACT WITH NEIGHBOURS HOWEVER THERE IS ONE MORE GROUP THAT IS OFTEN NEGLECTED AS A FOCUS AND THAT IS THE NOSY NEIGHBOURS. IT IS NOT A SECRET THAT SOME COMMUNITIES THRIVE OFF GOSSIP AND KNOWING THE INS AND OUTS OF THERE NEIGHBOURS BUSINESS, I KNOW BECAUSE GROWING UP I LIVED IN A ROW OF TERRACE HOUSES THAT WAS EXACTLY LIKE THAT. MY MOTHER WOULD ALWAYS LOOK FROM THE UPSTAIRS INTO THE NEIGHBOURS GARDENS TO JUDGE THEIR GARDENS OR LOOK OUT TO THE ROAD AND SEE WHO'S COMING IN AND OUT. NONE OF THIS IS DONE MALICIOUSLY BUT OUT OF CURIOSITY.

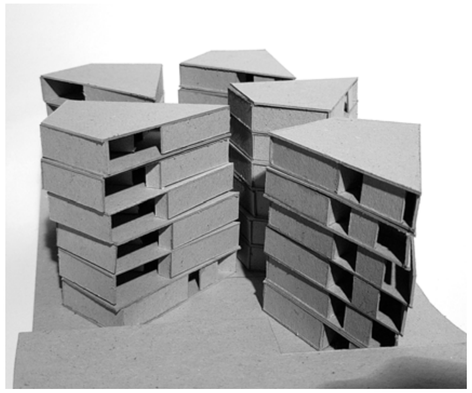
IN ORDER TO CATER TO THIS DEMOGRAPHIC **I CREATED A DESIGN TO MAXIMISE VIEWPOINTS ALLOWING YOU TO STAY CONNECTED TO THE COMMUNITY INTERNAL AND EXTERNAL**. I THOUGHT THIS WAS RATHER SUCCESSFUL AND **I LIKED THE MULTIPLE PATHWAYS THAT LINKS THE INHABITANT FROM EXTERNAL COMMUNITY TO THE INTERNAL COMMUNITY BY LEADING YOU TO THE CENTRAL HUB**. I DO FEEL THE RANGE OF VIEWPOINTS CAN BE EXPLORED FURTHER BUT THE LAYOUT OF MY PRECEDENT RESTRICTS MY ABILITY TO PLAY WITH THE IDEA FURTHER.

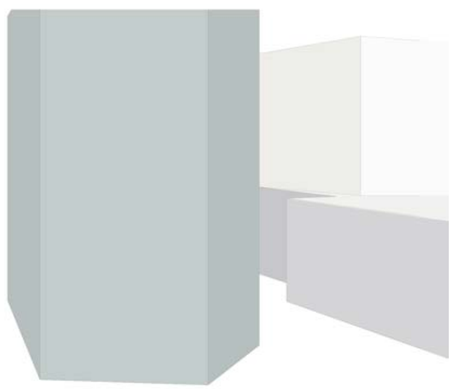
NEXT STEPS: VERTICAL DESIGN STRATEGY

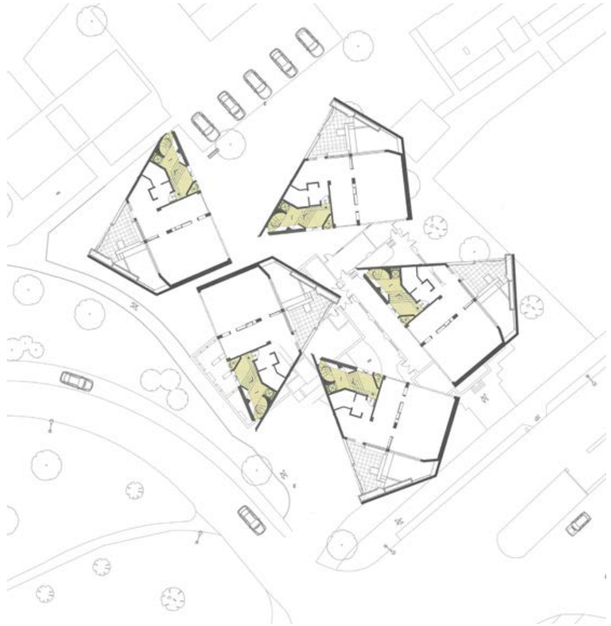
ON MY PLAN YOU CAN SEE THE RELATIONSHIP BETWEEN EACH BLOCK BUT IT DOESN'T SHOW THE RELATIONSHIP BETWEEN EACH LEVEL IN SAID BLOCKS, HOW MANY DWELLINGS WILL FIT IN EACH AND HOW HIGH IT WILL GO. TO ANSWER THESE QUESTIONS **I CREATED 30 INDIVIDUAL MODEL DWELLINGS USING MY PLAN AS A GUIDE AND STACKED THEM UP IN DIFFERENT WAYS TO FIGURE OUT MY VERTICAL DESIGN STRATEGY.**





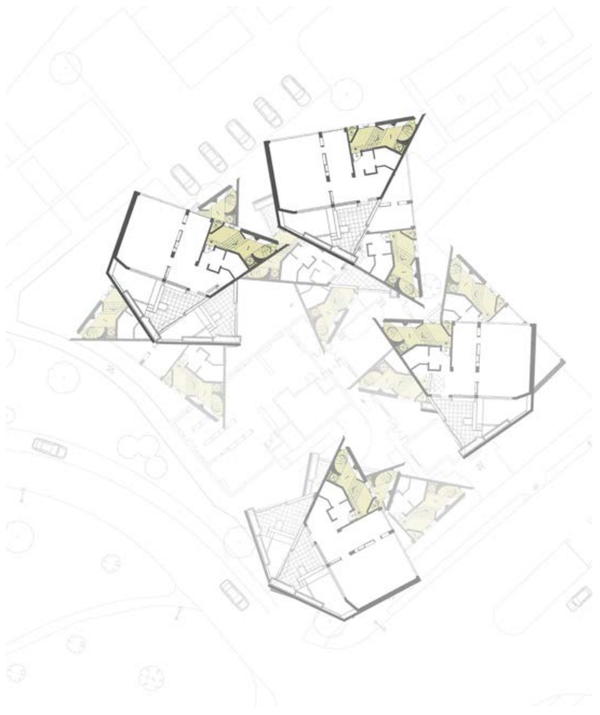






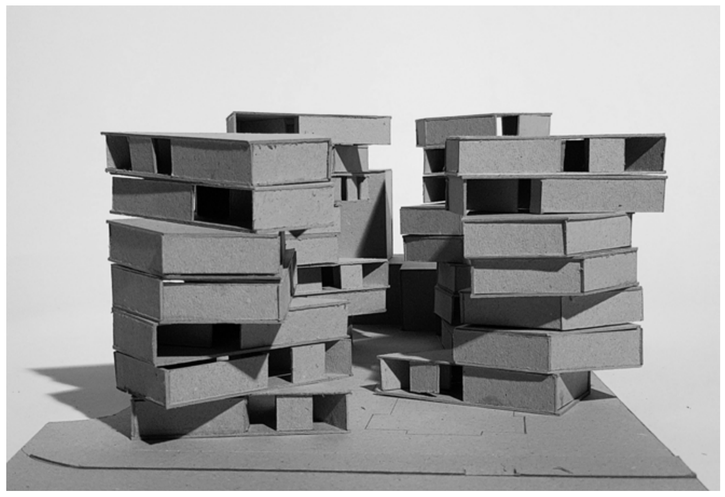
FORMATION OF THE BLOCK: TOWER BLOCK

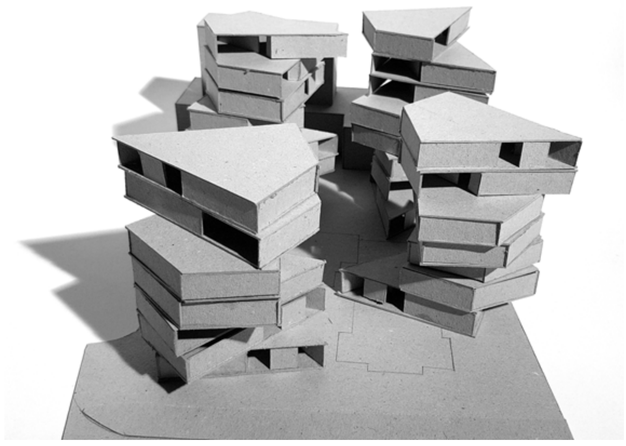
I THOUGHT THE TOWER BLOCK DESIGN WAS QUITE BASIC AND WASN'T WHAT I INTEND MY FINAL DESIGN TO LOOK LIKE HOWEVER **IT DOES SHOW THE HOW HIGH EACH TOWER WILL HAVE TO BE IN ORDER TO FIT 30 DWELLINGS AS WELL AS THE RELATIONSHIP TO THE ROAD AND THE EXISTING ESTATE ON THE NORTH.**
FOR THIS EXPERIMENT I DISREGARDED THE HILL AND THE SITES EXISTING BUILDINGS AS I WANTED IT TO FOCUS PURELY ON THE DESIGN STRATEGY OF THE DWELLINGS ITSELF.



FORMATION OF THE BLOCK: ORIENTATION

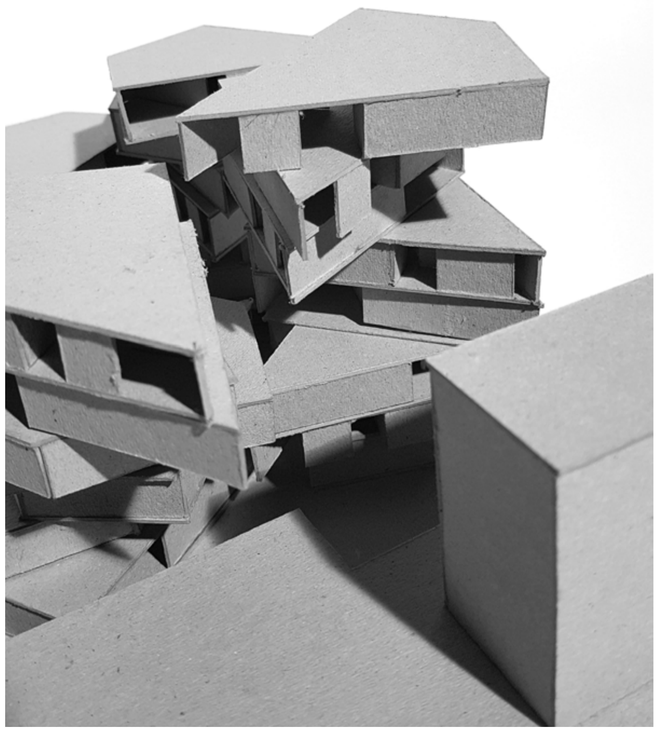
WITH THIS EXPERIMENT I WAS PLAYING WITH THE IDEA OF CHANGING ORIENTATION OF THE PLAN AS THE LEVELS GO UP AS INCREASING VIEW POINTS WAS A BIG FOCUS WHEN CREATING MY STRATEGY ON PLAN. **WHEN CHANGING THE ORIENTATION FROM FLOOR TO FLOOR I WAS FOCUSING ON THE RELATIONSHIP OF THE COURTYARD AND THE BLOCK SO THAT THE BLOCK AS A WHOLE CAN HAVE VARIED VIEWPOINTS.**

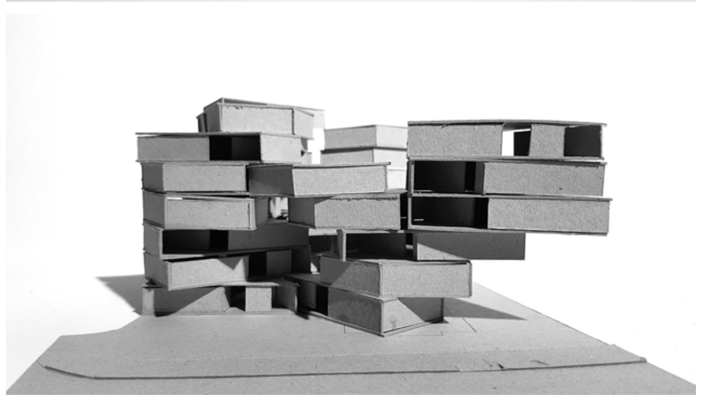


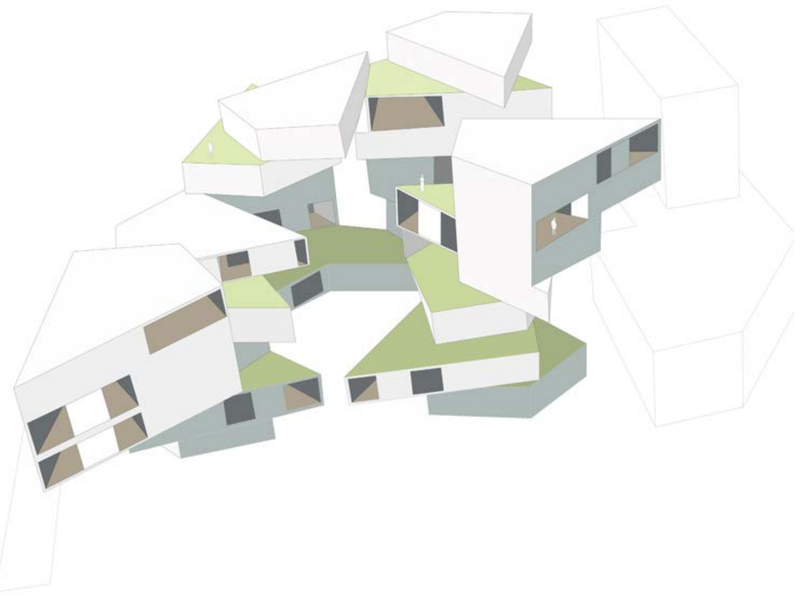


FORMATION OF THE BLOCK: CONNECTIONS

WITH THE LAST EXPERIMENT I WAS PLAYING WITH ORIENTATION WITHIN THE BLOCK FORMAT, AS THIS ENCOURAGED SEPARATIONS FROM BLOCK TO BLOCK **I THOUGHT MY FINAL EXPERIMENT SHOULD SHOW HOW THESE DWELLINGS CAN CONNECT WITH EACH OTHER** LINKING BACK TO MY INITIAL WANTS OF A CLOSER COMMUNITY.







FINAL DESIGN STRATEGY

USING ALL THE KNOWLEDGE I HAVE GATHERED FROM MY PLAN AND MODEL EXPERIMENTS I HAVE DECIDED MY DESIGN STRATEGY IS TO:

AIM TO STRENGTHEN THE INTERNAL COMMUNITY BY CREATING A CENTRAL HUB

INCREASE VIEWPOINTS THROUGH CHANGING OF ORIENTATION

TO ALLOW EVERY FLOOR T0 HAVE ACCESS TO AN OUTSIDE AREA,

MAKING SURE THE CIRCULATION CONTINUED UP TO THEIR FRONT DOOR FEELING LIKE A CONTINUATION OF THE STREET RATHER THAN AN ODD MIDDLE GROUND.

FROM THIS POINT ON I WILL BE WORKING OUT HOW TO INCORPORATE THE EXISTING HALL AND LIBRARY, WHETHER I WILL USE THE HILL TO MY ADVANTAGE, THE LAYOUT OF THE DWELLING AND ITS CIRCULATION AS A WHOLE.

INTERNAL

WHEN DRAWING THE SERIES OF PLANS FOR MY DESIGN STRATEGY I TRIED TO THINK ABOUT THE RELATIONSHIPS BETWEEN SPACE HOWEVER THIS POSED DIFFICULT DUE TO THE RESTRICTIONS OF THE ORIGINAL BENAKI STREET PLAN. BENAKI STREET WASN'T DESIGNED FOR MY SITE AND THIS IS OBVIOUS SO **IT WAS IMPORTANT FOR ME TO NOW TAKE MY DESIGN STRATEGY AND THINK ABOUT WHO IS INHABITING THE SPACE.** THIS WILL BECOME USEFUL INFORMATION WHEN DESIGNING MY CIRCULATION.

TARGET AUDIENCE

THE MOULSECOOMB AREA IS QUITE DIVERSE, YOU HAVE FAMILIES, THE ELDERLY AND DUE TO BRIGHTON UNIVERSITY BEING WITHIN WALKING DISTANCE THERE HAS BEEN AN INFLUX OF STUDENTS OVER THE YEARS ALLOWING ME A CHOICE IN DEMOGRAPHIC.

WITH THE CURRENT GLOBAL PANDEMIC FORCING A LOT OF PROFESSIONALS TO WORK FROM HOME IT POSES THE QUESTION WHETHER IT IS WAS EVER NECESSARY TO WORK IN BIG OFFICES. **WILL WORKING FROM HOME BECOME THE NEW NORMAL IN THE EFFORT TO BECOME MORE HEALTH CONSCIOUS? HOMES CURRENTLY AREN'T DESIGNED FOR THIS BUT IT MIGHT BE AN IDEA TO START.**

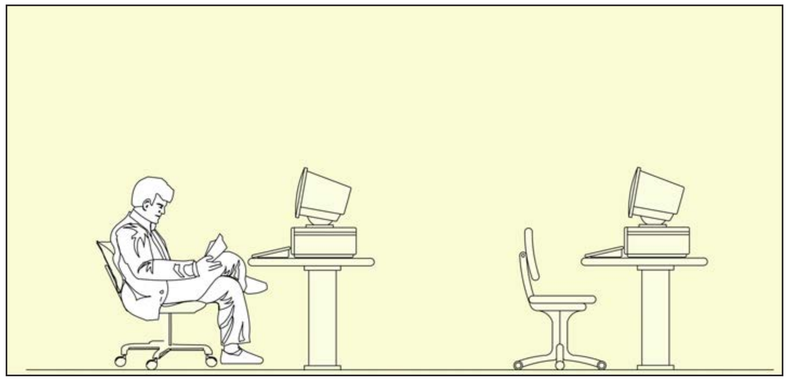
A LOT OF PROFESSIONALS ORIGINALLY LIKED THE IDEA OF WORKING IN THE COMFORT OF THEIR OWN HOME HOWEVER AFTER A WHILE FOUND THAT THEIR ENVIRONMENT WASN'T DESIGNED TO SUIT THIS MAKING IT INCREASINGLY UNCOMFORTABLE: CAUSING PROBLEMS LIKE:

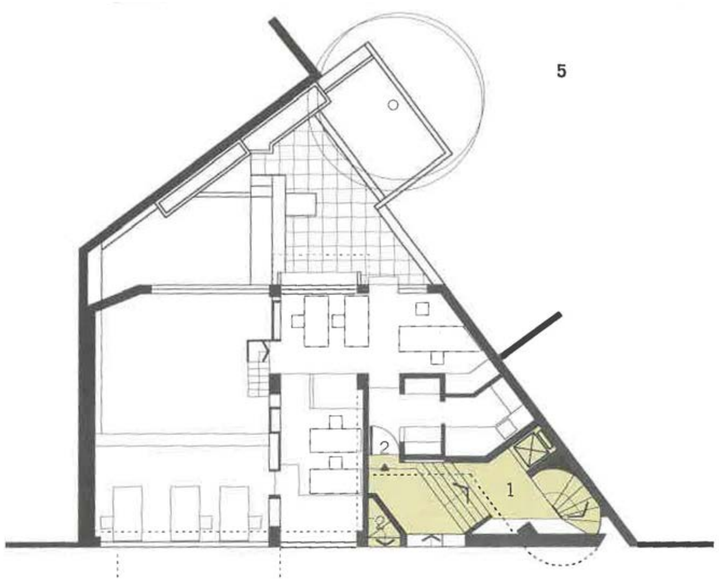
INDIVIDUALS NOW HAVING TO USE THEIR BEDROOM OR LIVING ROOM AS OFFICE SPACE. **THE LACK OF SEPARATION BETWEEN WORK AND HOME POSES A STRESS ON MENTAL HEALTH AS INDIVIDUALS NO LONGER HAVE A SET ENVIRONMENT TO RELAX AND SWITCH OFF THEIR MIND FROM WORK.**

INDIVIDUALS LIVING IN HIGH TOWER BLOCKS NOT HAVING EASY ACCESS TO OUTDOOR FACILITIES OR CHANGES OF ENVIRONMENT.

LACK OF COMMUNITY OR CHANCE TO SEE NEW FACES OUTSIDE OF THE WORK TEAM. BY WORKING FROM HOME THERE IS NO LONGER A NEED TO TRAVEL SO THE AVAILABILITY FOR CHANCE ENCOUNTERS HAVE BEEN DIMINISHED.

I HAVE CHOSEN TO FOCUS ON SINGLE PERSON DWELLINGS FOR BUSINESS PROFESSIONALS IN THE NEW 'WORKING FROM HOME' AGE





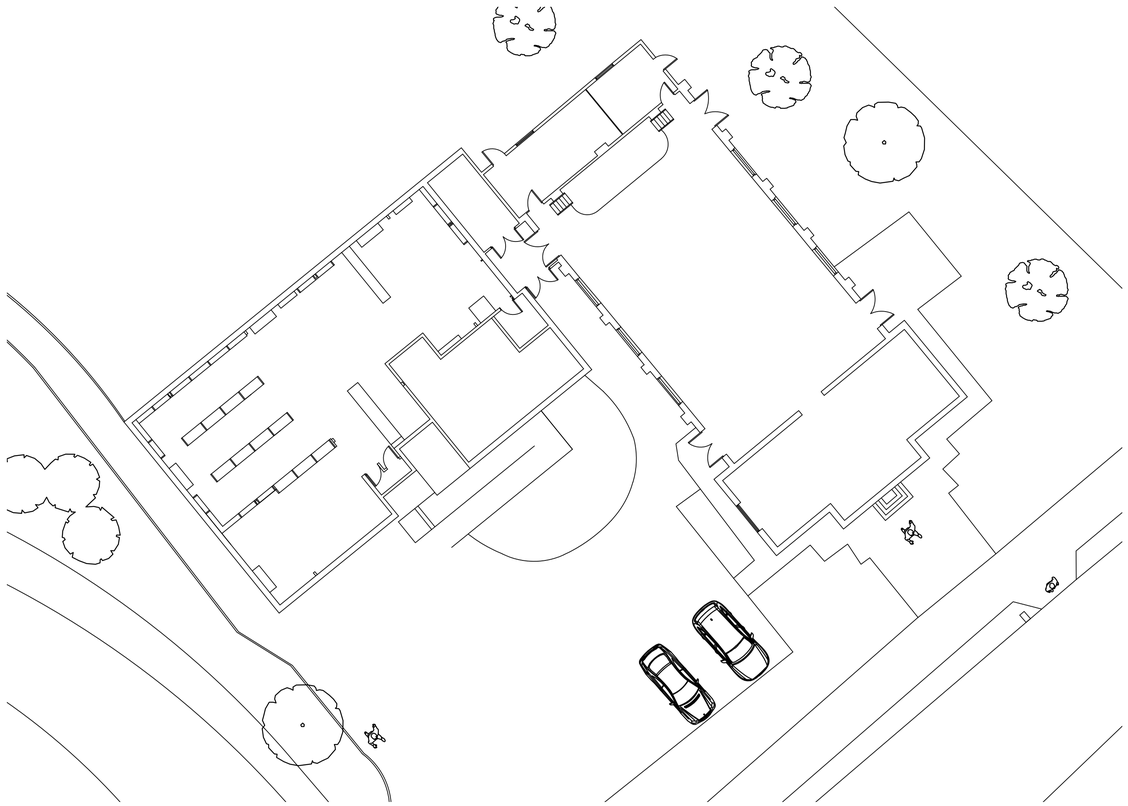
DWELLING INTERIOR

'HOMES FOR TODAY & TOMORROW' BY SIR PARKER MORRIS CHANGED THE WAY I THOUGHT ABOUT THE WAY HOUSING IS LAID OUT. MORRIS'S BOOK REVOLUTIONISED PUBLIC HOUSING IN THE 1960'S TILL THE 1980'S, HOUSES BUILT DURING THAT TIME ARE SOUGHT AFTER TILL THIS DAY DUE TO THE WAY THEY MAXIMISE SPACE AND CATER TO THOSE INHABITING.

THE BOOK MENTIONED THE **BEST WAY TO DESIGN HOUSING WAS NOT TO ASSIGN GENERALISED ROOMS BUT TO RECOGNISE THE ACTIVITIES NEEDED IN THE HOME AND ASSES WHAT IS NEEDED FOR THOSE ACTIVITIES TO TAKE PLACE.** WHILE THINKING OF MY DAILY ROUTINE I CAME UP WITH 6 ESSENTIAL ACTIVATES AND WHAT WAS NEEDED FOR THEM TO TAKE PLACE.

ACTIVITIES:

COOK: FOOD STORAGE, PREPARATION COUNTER, SINK, COOKER, FRIDGE, MICROWAVE
SLEEP: BED
EAT: TABLE AND CHAIRS
RELAX: SOFA
WASH: SHOWER, BATH, SINK
GET DRESSED: WARDROBE, DRESSER,SHOE STORAGE

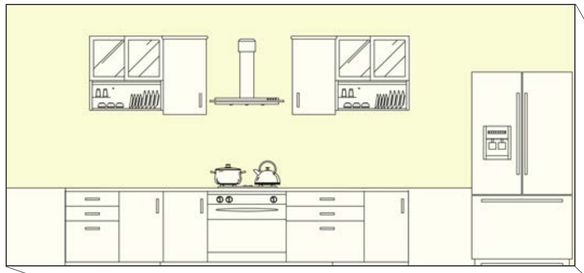


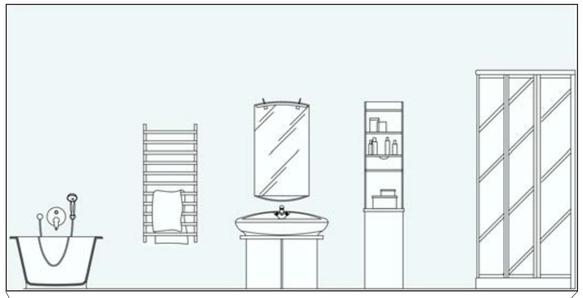
COMMUNAL AREA

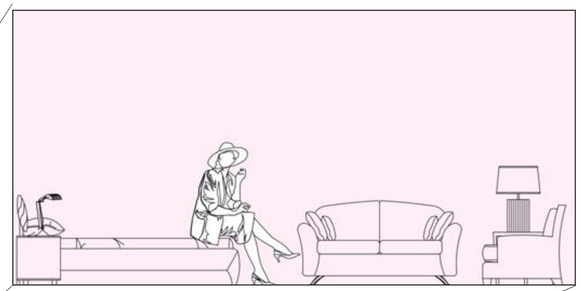
INSTEAD OF DEMOLISHING THE EXISTING LIBRARY AND HALL I THOUGHT TO USE PART OF THE BUILDINGS AS COMMUNAL AREAS AIDING IN PROVIDING VISUAL SEPARATION.

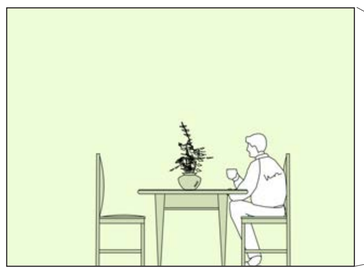
ACTIVITIES:

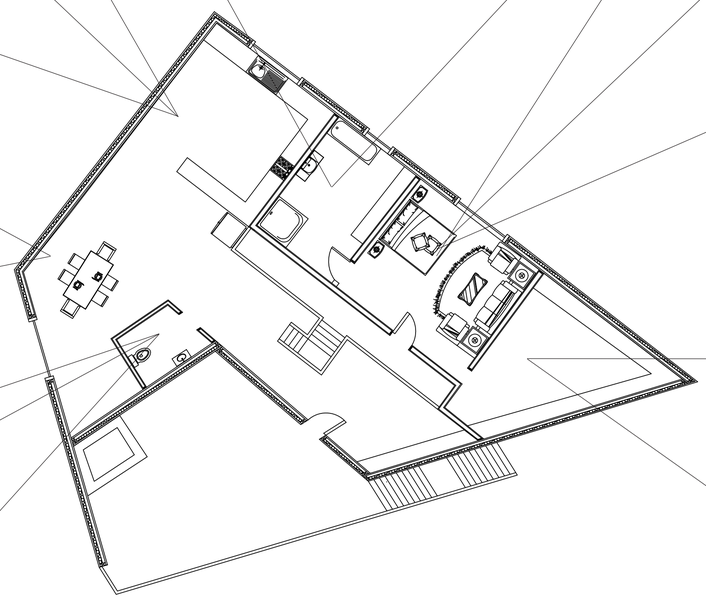
WORK: COMPUTER, DESK,PRINTER, FILE STORAGE
CLEAN: WASHING MACHINE, DRYER

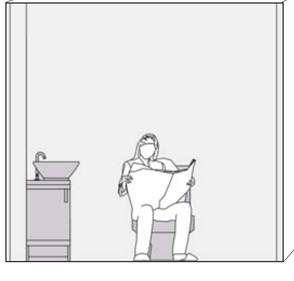


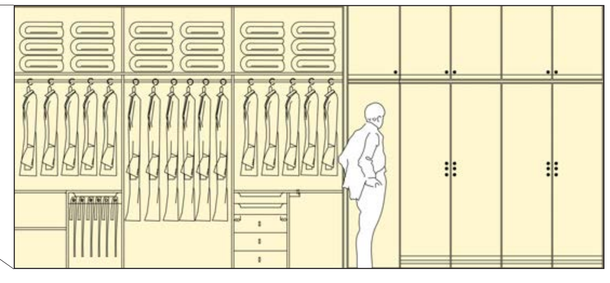












DWELLING LAYOUT

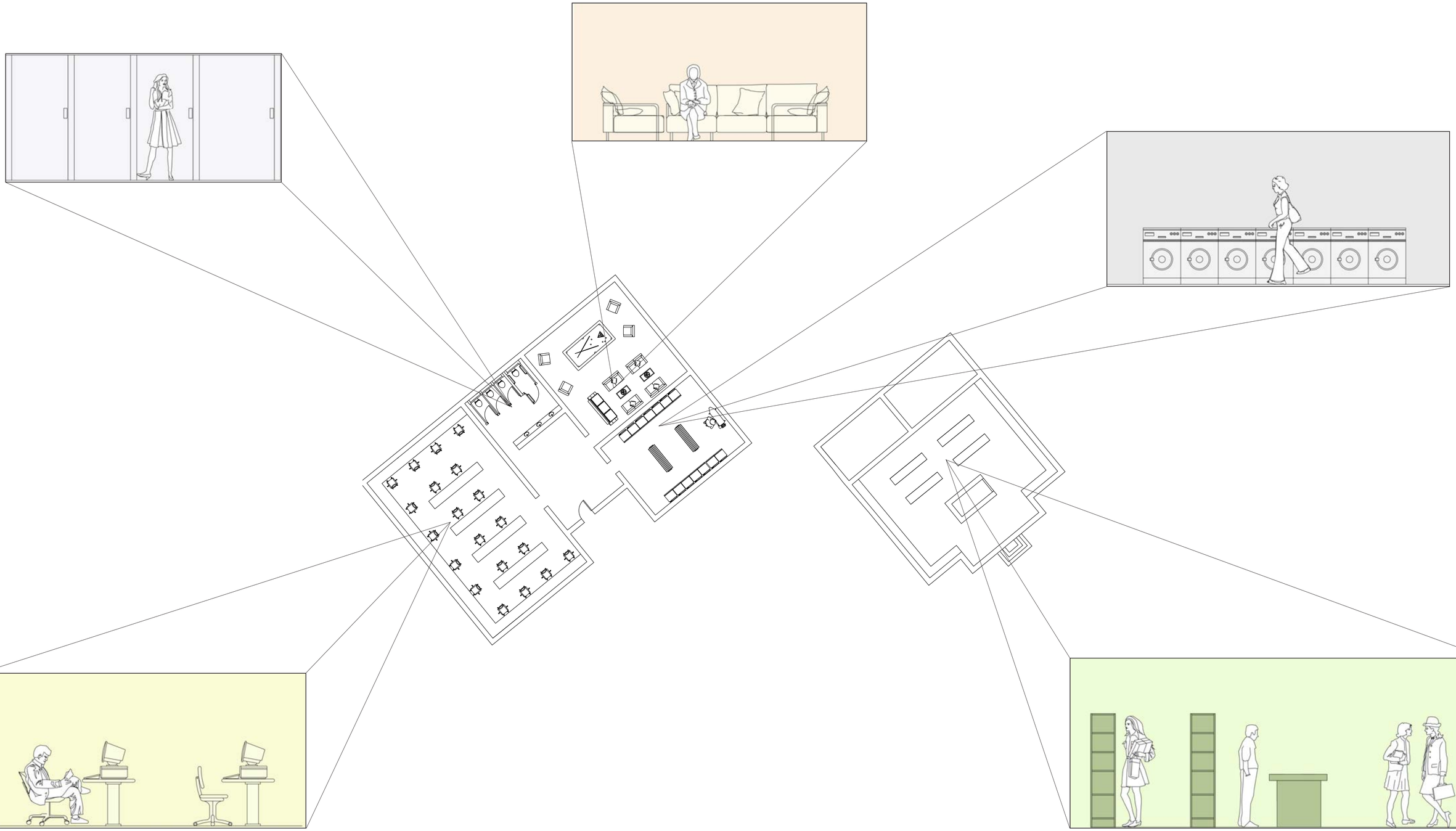
I ORGANISED THE 6 ACTIVITIES IN THE CONFINES OF THE PLAN MAKING SURE THAT:

COOKING AND EATING AREA MUST BE NEXT TO EACH OTHER

SLEEPING AND RELAXING AREA SHOULD BE IN ONE SPACE

THE SLEEPING, WASH AND GET DRESSED AREAS SHOULD BE NEAR EACH OTHER

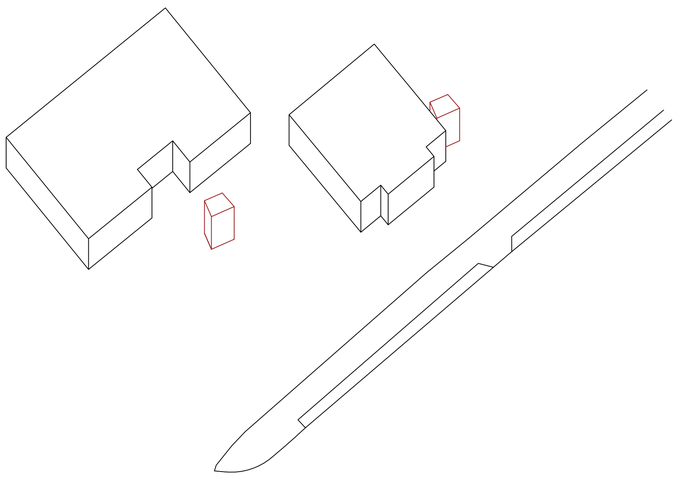
TO FOR-FILL THESE NEEDS I CAME UP WITH THIS SPACIAL LAYOUT. I SEPARATED THE SLEEP, WASH AND GET DRESSED AREAS FROM THE REST OF THE ACTIVITIES BY USE OF A MEZZANINE FLOOR. **I DECIDED TO ADD A SMALL MEZZANINE FLOOR TO ADD A MENTAL SEPARATION BETWEEN THE RESTING SPACE AND THE REST OF THE HOUSE.**

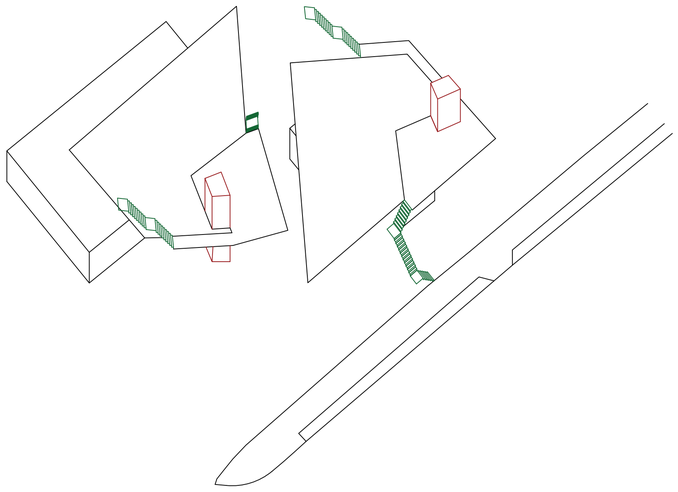


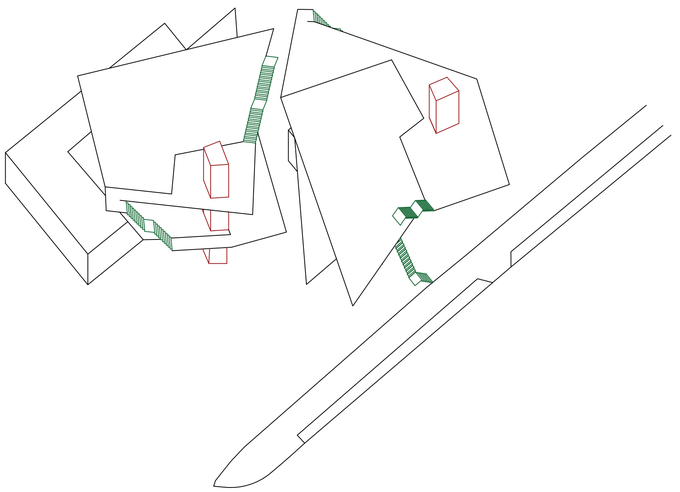
COMMUNAL AREA LAYOUT

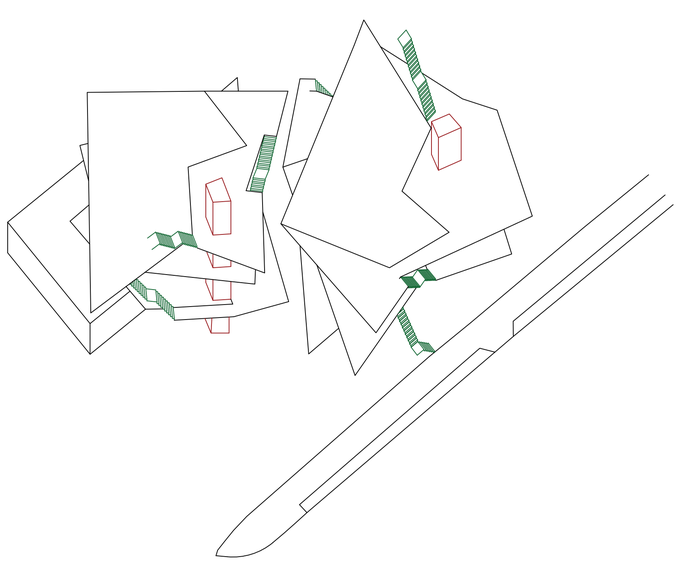
BY KEEPING THE OFFICE SPACE AND LAUNDRY ROOM IN A SEPARATE AREA FROM THE DWELLINGS IT WILL NOT ONLY HELP THE INHABITANTS MEET PEOPLE THAT LIVE IN THE OTHER DWELLINGS AIDING IN STRENGTHENING THE INTERNAL COMMUNITY BUT IT WILL HELP TO **PRESERVE KEEPING THE MENTAL IDEA OF WORK AND HOME SEPARATE.**

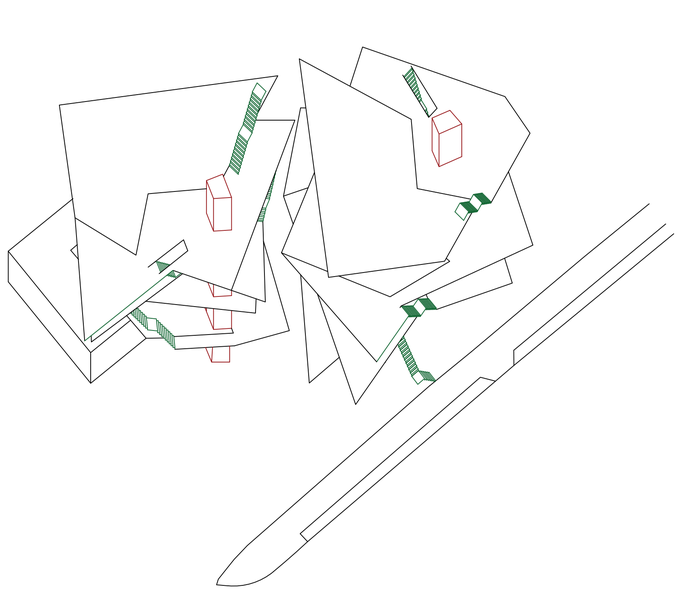
I ALSO DECIDED TO INCLUDE A COMMUNAL LOUNGE IN THE OLD LIBRARY AREA AND A SMALL LOCAL SHOP IN THE OLD HALL LOCATION. THE REASON FOR THE SHOP WAS INSPIRED BY FRANCE AS THEY OFTEN LEAVE DEVELOP A GOOD RAPPORT WITH THERE LOCAL SHOPS TO THE EXTENT OF EVEN LEAVING THERE KEYS TO THEM IF THEY WERE GOING AWAY ETC. I WANTED TO HAVE THAT SAME RELATIONSHIP BETWEEN THE RESIDENCE AND THE SHOP BY HAVING IT AS A POST OFFICE AND A GROCERY SHOP WHERE PEOPLE CAN GET THEIR ESSENTIALS

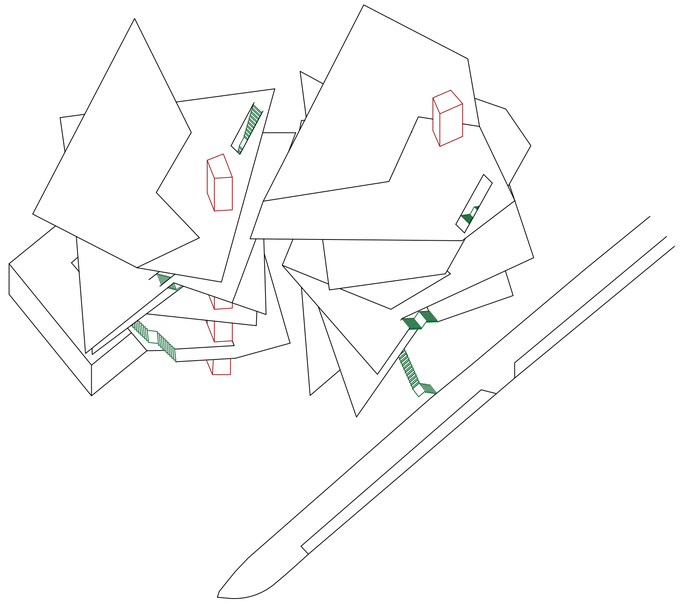








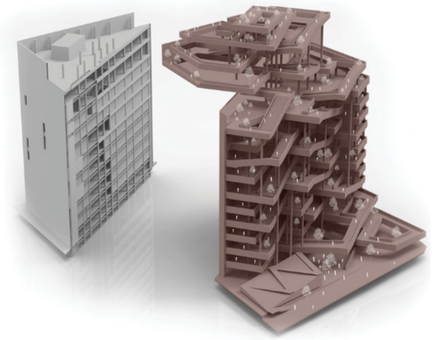




ROTATING AROUND A CORE DESIGN PROPOSAL

AFTER FINALISING MY DESIGN STRATEGY AND THE CONTENTS ON MF MY DWELLINGS I FELT IT WAS TIME TO START CREATING MY DESIGN PROPOSALS USING EVERYTHING I HAVE LEARNT SO FAR THROUGH EXPERIMENTATION.

THIS PROPOSAL WAS INSPIRED BY MY ALTERNATING VIEW POINTS MODEL STRATEGY. **AS YOU GO UP TO THE NEXT LEVEL THE PLAN ROTATES AROUND A LIFT CORE ALLOWING SUBTLE CHANGES IN VIEWPOINT GIVING EACH DWELLING A UNIQUE EXPERIENCE**



Indoor Department Store

Outdoor Vertical Walkway

TEHRAN EYE BY FARSHAD MEHDI ZADEH DESIGN (FMZD)

TEHRAN EYE IS A VERTICAL STREET DESIGNED BY ARCHITECTURE PRACTICE FMZD. FMZD WAS GIVEN THE TASK TO REDESIGN THE FACADE OF THE NINE FLOOR TEHRAN EYE SHOPPING CENTER LOCATED IN THE CAPITAL OF IRAN.

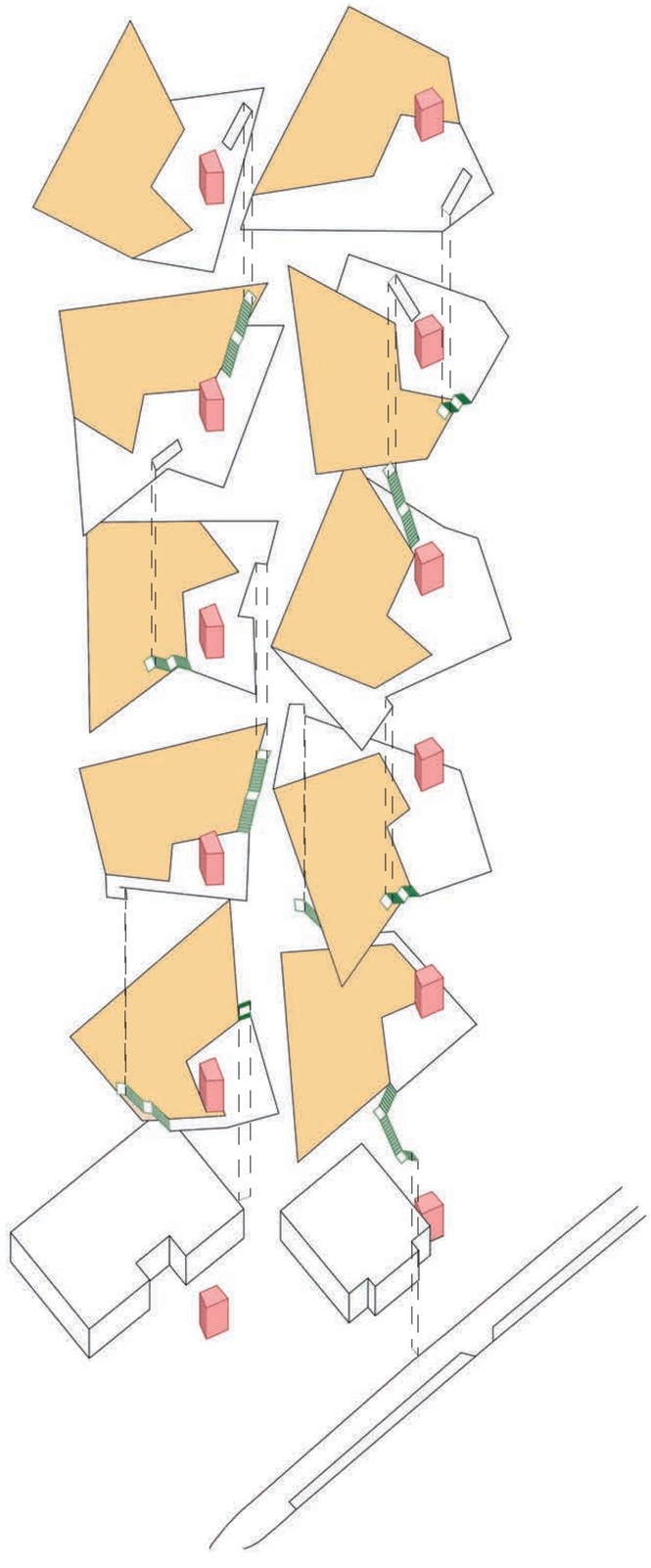
THE EXISTING SHOPPING CENTRE ISA GENERIC CONCRETE STRUCTURE WITH NOTHING TO DRAW YOUR EYE TO THE SHOPPING CENTRE OTHER THAN ITS HEIGHT. BY ADDING A VERTICAL CIRCULATION IT CREATES EXTERNAL EXCITEMENT LURING PEOPLE INTO THE SPACE.

I LIKED THIS IDEA FOR MY DESIGN BECAUSE I DON'T WANT PEOPLE TO FEEL AT HOME WHEN THEY REACH THE BOTTOM OF THERE BLOCK, I WANT THEM TO FEEL AT HOME AS SOON AS THEY GET TO THERE DOOR WHETHER THEY ARE ON THE FIRST FLOOR OR FIFTH. **THE EXTERNAL CIRCULATION FACADE WOULD BE PERFECT FOR MY BUILDING AS IT'S CHANGING ORIENTATION CONSTANTLY THIS CAN BE A WAY OF GIVING THE DESIGN A CONSISTENT STRUCTURE.**

SEPARATING THE DWELLING FROM THE EXTERNAL STRUCTURE

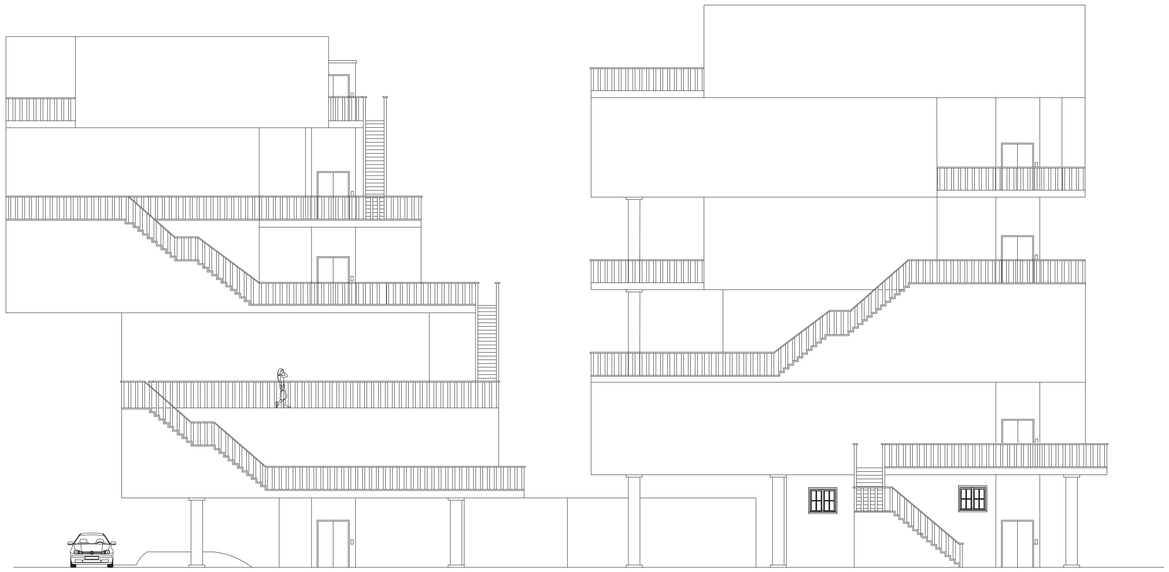
WHEN THINKING OF HOW MY PROPOSAL WOULD WORK ARCHITECTURALLY THE ONLY PRACTICAL THING I FELT TO DO WAS SEPARATE THE DWELLING STRUCTURE FROM THE EXTERNAL COURTYARD/ CIRCULATION STRUCTURE. **THIS WILL ALLOW EASE IN DESIGN AS I WILL BE ABLE TO FOCUS ON WHAT IS THE BEST ORIENTATION FOR BOTH ELEMENTS RATHER THAN HAVING TO COMPROMISE**. ITS ALSO A BENEFICIAL STRATEGY DUE TO ANYONE BEING ABLE TO WALK PAST YOU BUILDING, TO **DIMINISH THE VIBRATIONS RUNNING THROUGH THE BUILDING** TO THE DWELLING IT WILL NOW BE SEPARATED.

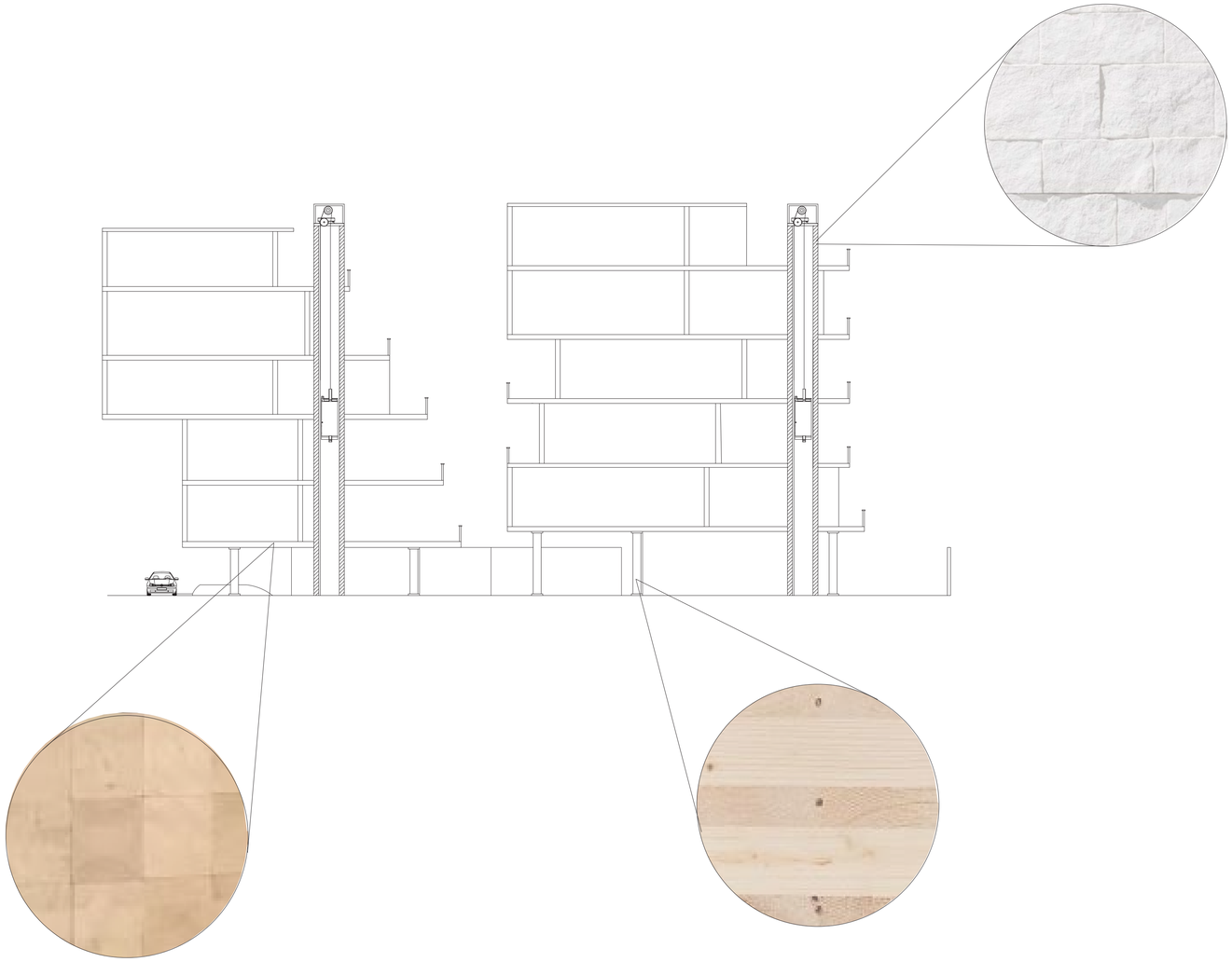
SEPARATING THE DWELLING FROM THE EXTERNAL STRUCTURE



CIRCULATION BREAKDOWN

TO FURTHER UNDERSTAND THE CONNECTION BETWEEN FLOORS I EXPLODED THE AXO FOCUSING SOLELY ON THE CIRCULATION. **THE DWELLING IS SHOWN IN PEACH TO SHOW THE SEPARATION OF THE PRIVATE DWELLING AND THE PUBLIC CIRCULATION**



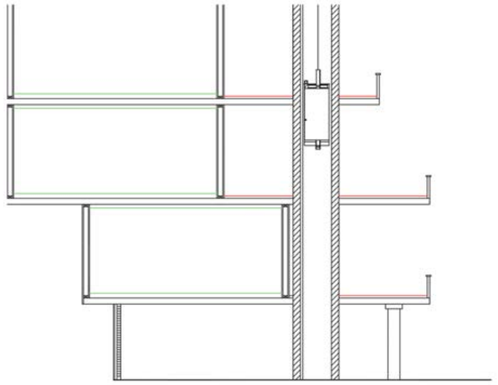


PLANS AND SECTION

I THEN CREATED PLANS AND SECTIONS TO UNDERSTAND WHETHER THIS WOULD WORK STRUCTURALLY AND START THE CONVERSATION ABOUT MATERIALS.

DUE TO THE STRUCTURAL OVERHANGS AND INCONSISTENT PLACEMENT OF FLOOR PLANS USING A MATERIAL AS HEAVY AS STONE WOULD NOT BE PRACTICAL DESPITE MY INITIAL WANT FOR A MONOLITHIC APPEARANCE.

I DECIDED ON USING CLT SLABS AS A BASE WITH CLT WALLS SITTING ON TOP PUTTING THE MAJORITY OF THE PRESSURE ON THE FLOOR NOT THE WALLS. THIS WILL ALLOW ME TO CHANGE THE ORIENTATION OF EACH LEVEL MUCH EASIER WITHOUT HAVING A NEGATIVE IMPACT STRUCTURALLY. **FOR SUPPORT I WILL USE GULAM COLUMNS WITH STEEL REINFORCEMENTS AND A STONE LIFT CORE.**

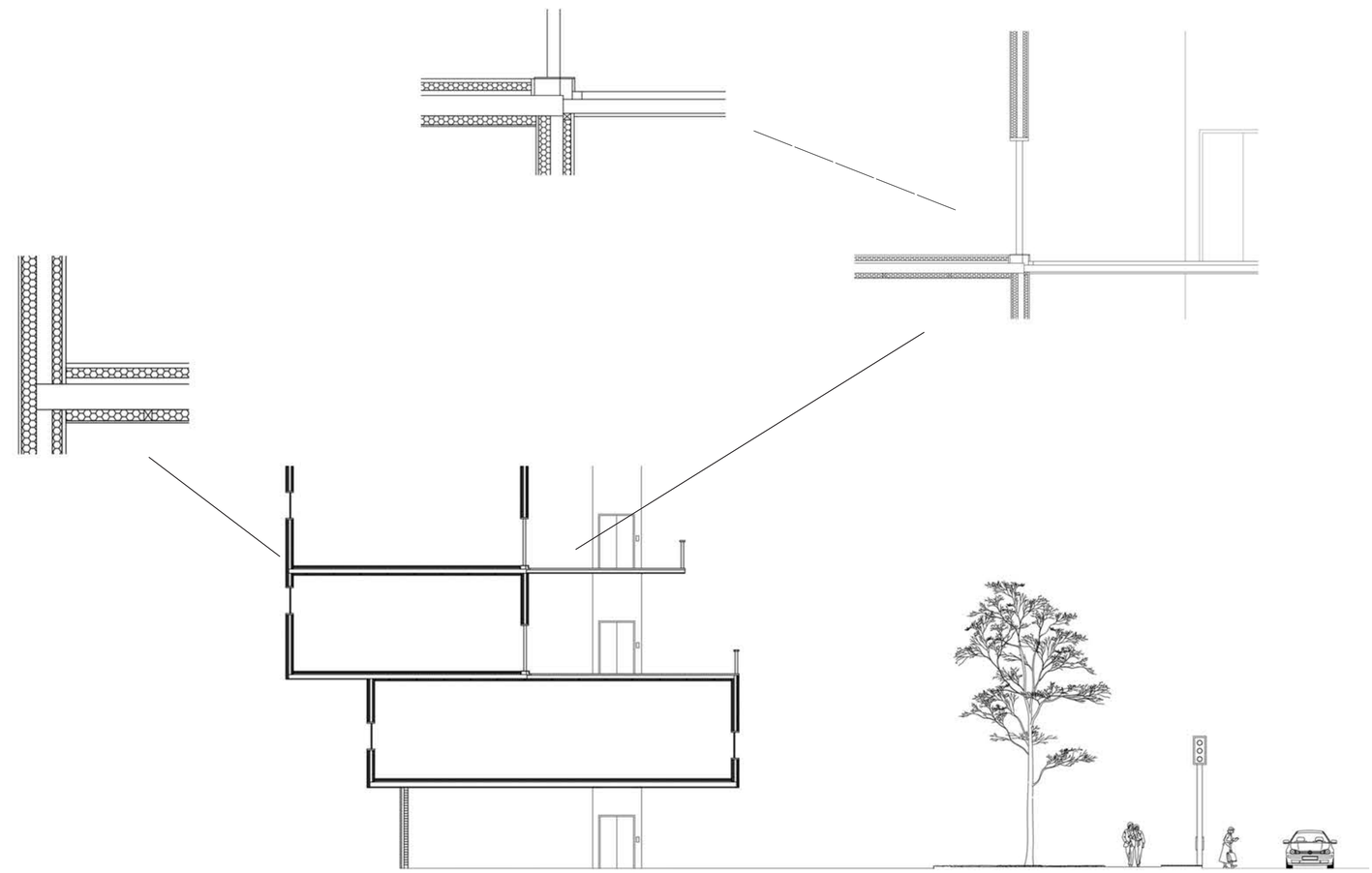


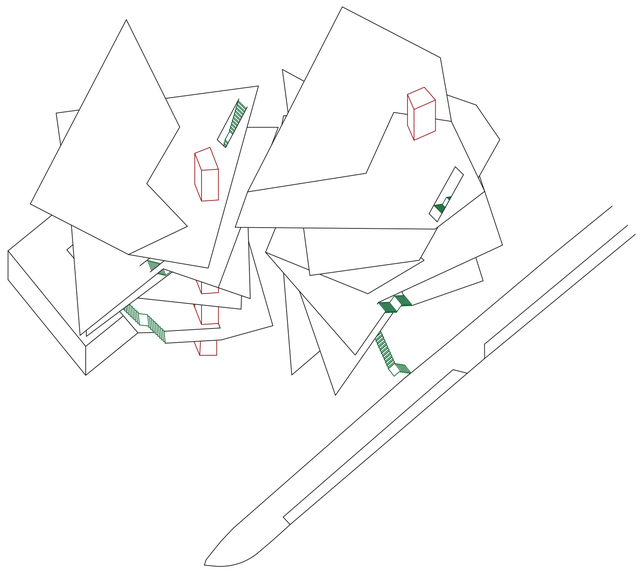
THRESHOLD

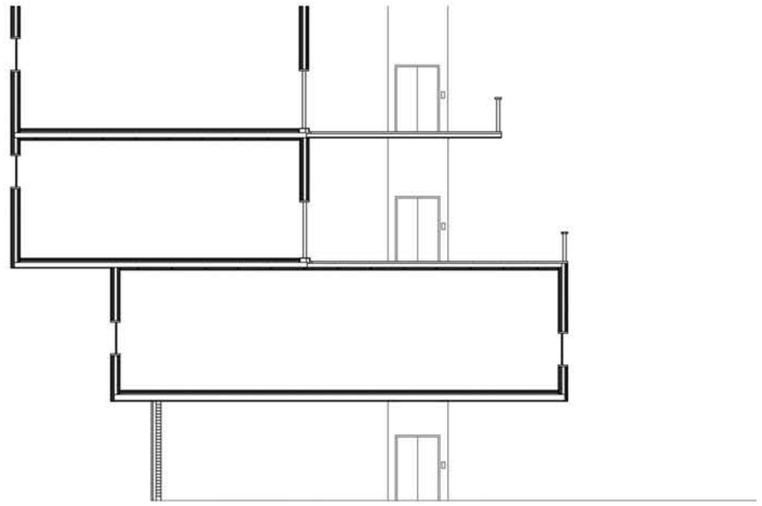
THE THRESHOLD BETWEEN INSIDE AND OUTSIDE WAS A MAJOR CONCERN FOR ME FROM A NOISE PERSPECTIVE ESPECIALLY DUE TO THE FACT THAT THE OUTSIDE AREA IS PUBLIC SO ANYONE CAN WALK PAST WHILE GOING TO THEIR DWELLING.

BY HAVING THE DWELLING AND THE CIRCULATION AS TWO DIFFERENT STRUCTURES WILL DIMINISHES THIS AS THE VIBRATIONS FROM WALKING WON'T CARRY INSIDE. THE INCREASED INSULATION IN THE WALLS AND CEILING WILL ALSO PREVENT THIS

TO ACHIEVE THIS I PLAN TO JUST HAVE ONE CLT SLAB FROM THE DWELLING AND A SEPARATE CLT SLAB WITH MORE INSULATION FOR OUTSIDE SUPPORTED BY COLUMNS WHERE NEEDED AND THE STONE LIFT CORE.







ROTATING AROUND A CORE DESIGN PROPOSAL CONCLUSION

AFTER WORKING THROUGH THIS DESIGN I CONCLUDED IT JUST WOULDN'T WORK.

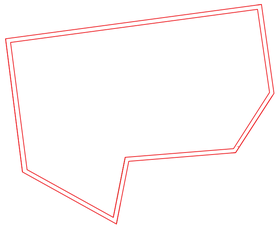
THE STRUCTURAL OVERHANGS AREN'T THOUGHT THROUGH CAUSING STABILITY PROBLEMS

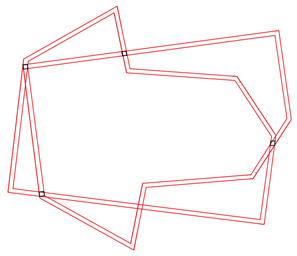
COLUMNS APPEARING ONLY AT THE BOTTOM BUT NO WHERE ELSE FOR SUPPORT MAKING THE ENTIRE FLOOR HAVE ONLY THE LIFT AS A STRUCTURAL CORE THAT ISN'T EVEN IN THE CENTER TO DISTRIBUTE LOADS EFFICIENTLY

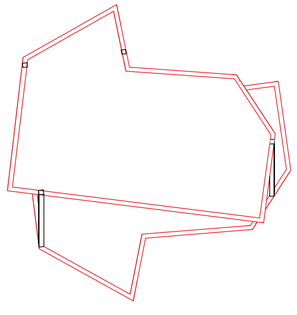
ZERO CONSISTENT WALLS GOING ALL THE WAY THROUGH THE BUILDING

HOWEVER WHAT I DO LIKE IS THE FACT THAT YOU CAN VISUALLY SEE THE CIRCULATION FROM THE OUTSIDE

IT MIGHT BE WORTH LOOKING BACK TO THE BLOCK MODEL STRATEGY TO HAVE A MORE CONSISTENT STRUCTURE RUNNING THROUGH



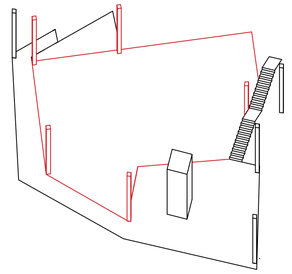


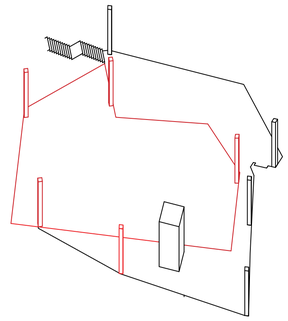


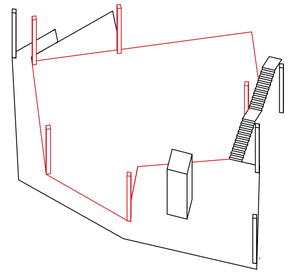
ALTERNATING BLOCK DESIGN PROPOSAL

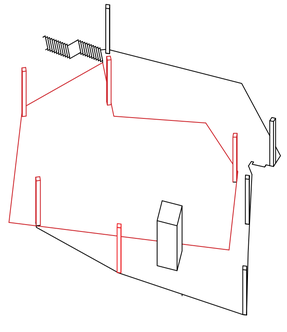
THE PROBLEM WITH MY LAST PROPOSAL IS THAT I DIDN'T THINK ABOUT THE STRUCTURAL ASPECT OF MY DESIGN BOTH INTERNALLY WITHIN THE DWELLING AND EXTERNALLY WITHIN THE COURTYARD AND CIRCULATION.

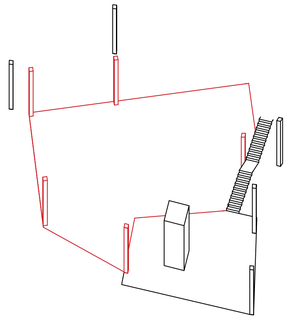
DUE TO MY **DESIGN FLIPPING BACK AND FORTH AS YOU GO UP** THE BLOCK NO WALLS CONNECT CONTINUOUSLY HOWEVER BY PUTTING BOTH MIRRORED **PLANS ON TOP OF EACH OTHER I WAS ABLE TO SEE WHERE THE COMMON POINTS OF INTERSECTION WERE IN ORDER TO IMPLEMENT COLUMNS RUNNING THROUGH THE BUILDING** TO ALLOW A CONSISTENT STRUCTURE RUNNING THROUGH

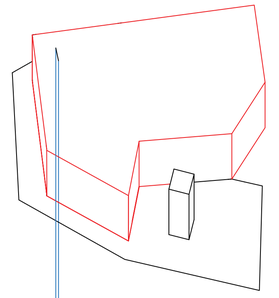


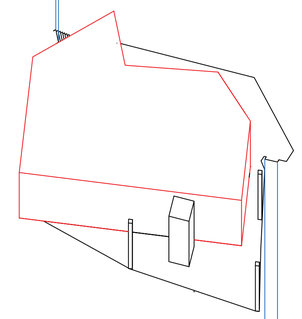


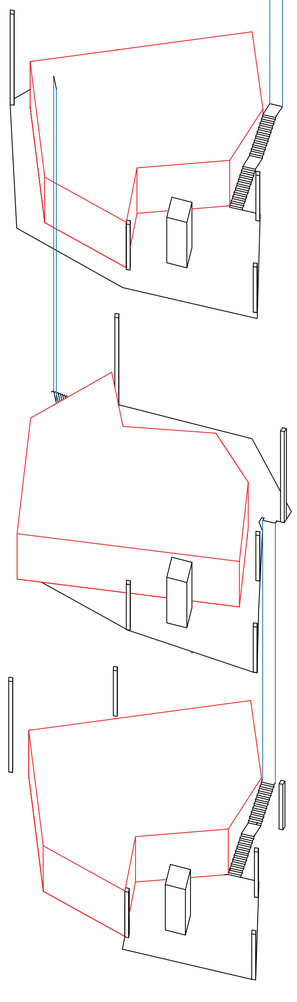


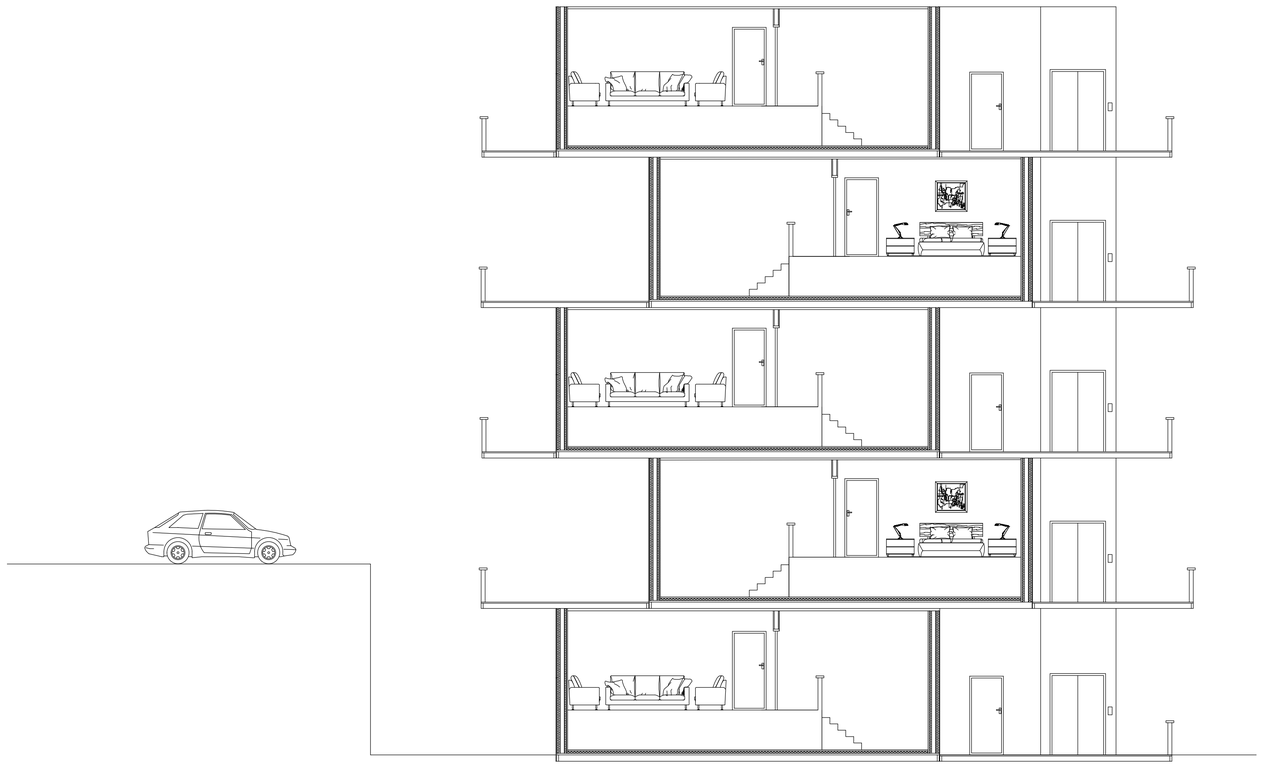








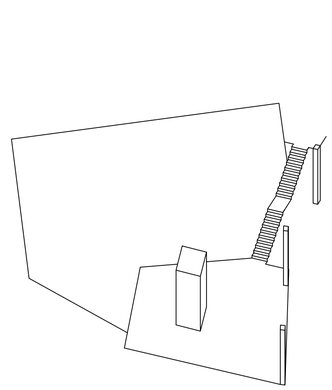


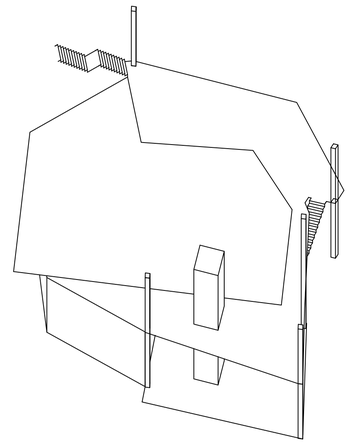


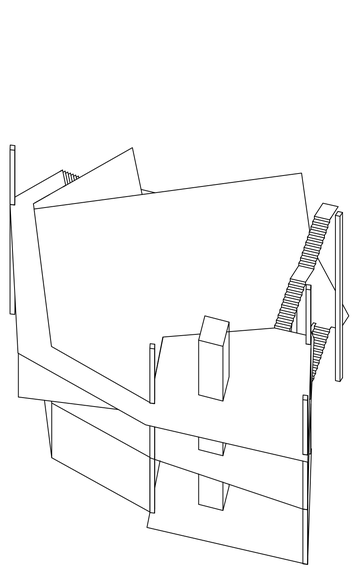
PLAN AND SECTION

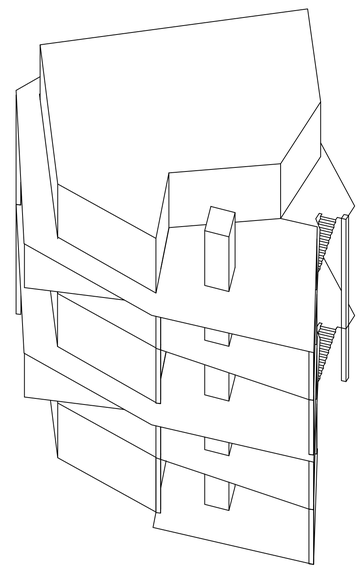
ON THE SITE PLAN I TRIED TO THINK ABOUT WAYS OF INCORPORATING THE REST OF THE SELSFIELD COMMUNITY TO THE SITE BY HAVING ACCESS TO LEWES ROAD BY GOING THROUGH THE CENTRE OF THE SITE. ALTHOUGH THIS WAS A RUSHED ATTEMPT AT A SITE CIRCULATION IT IS WORTH LOOKING INTO IN MORE DEPTH.

AS WELL AS THE SITE CIRCULATION BEING SOMETHING I HAVE TO DEVELOP **I ALSO NEED TO WORK ON THE RELATIONSHIP BETWEEN THE 5 METER LEVEL CHANGE** AND MY SITE BECAUSE RIGHT NOW I'M PRETENDING IT DOESN'T EXIST WHEN IN REALITY IT DOES.









ALTERNATING BLOCK PROPOSAL CONCLUSION

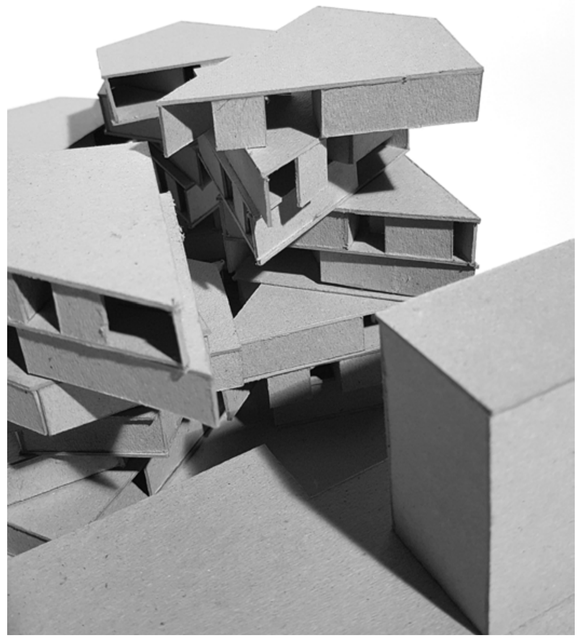
ALTHOUGH MY DESIGN IS STRUCTURALLY INTACT IT IS VISUALLY BORING COMPARED TO WHERE I ENVISIONED MY DESIGN TO GO. CREATING THIS DESIGN WAS INCREDIBLY DISHEARTENING SO IT IS WORTH GOING BACK NOT ONLY TO MY MODEL STRATEGIES BUT **BACK THROUGH EVERYTHING I HAVE DONE AND FIGURE OUT WHAT I LIKED ABOUT EACH PIECE OF WORK TO MAKE SURE ALL THOSE ELEMENTS ARE IN MY FINAL PROPOSAL**.

PLAN STRATEGY

WHAT I LIKED ABOUT MY DESIGN STRATEGY WAS THE CENTRAL HUB IN THE CENTRE BUT HAVING SMALL ALLEYWAYS FOR PEOPLE TO PEAK THROUGH AND CATCH A GLIMPSE AT WHAT'S GOING ON INSIDE.

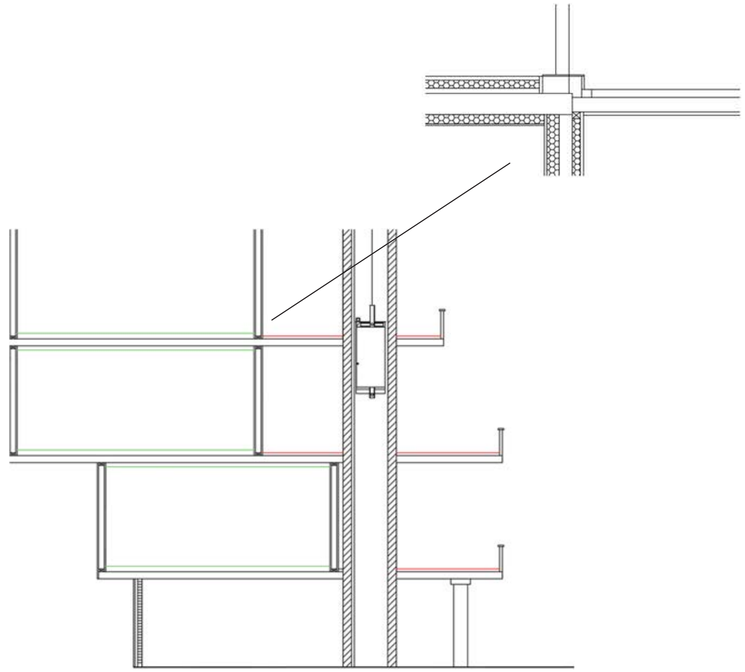
THIS LINKS TO MY FIRST INTEREST OF THE IDEA OF THE 'NOSY NEIGHBOUR' WHERE PEOPLE IN THERE DWELLINGS ARE ABLE TO SEE ALL AROUND THE SITE BUT THOSE EXTERNAL TO THE COMMUNITY ARE ONLY ALLOWED A GLIMPSE.

THE RELATIONSHIP BETWEEN THE INTERNAL COMMUNITY AND EXTERNAL COMMUNITY



MODEL STRATEGY

WITH MY MODEL EXPERIMENTS WHAT I LIKED WAS THE ALTERNATING DWELLINGS AS YOU GO UP THE BLOCK, THE OPEN COURTYARD SPACES AT EVERY FLOOR AND THE CONNECTION BETWEEN BLOCKS.

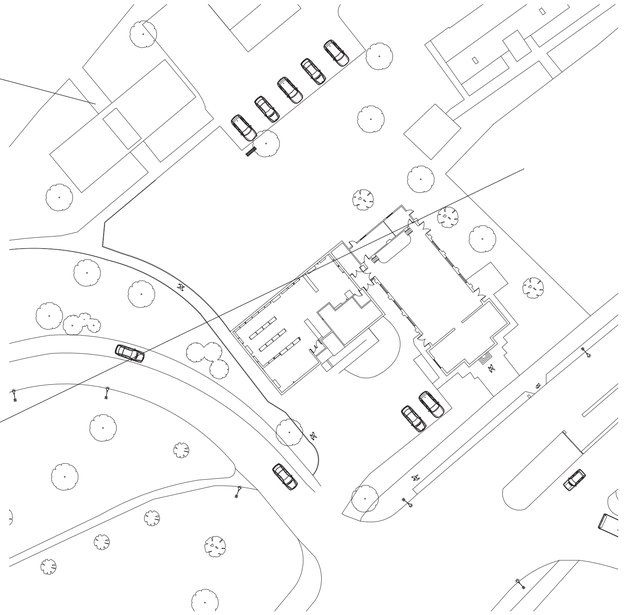


SEPARATED STRUCTURES

THE IDEA OF HAVING TWO SEPARATE STRUCTURES FOR THE INTERNAL DWELLING AND THE EXTERNAL CIRCULATION REALLY GAVE ME THE ABILITY TO BE MORE EXPERIMENTAL AND I HAVEN'T TAPPED INTO THAT YET.

LOOKING BACK

NOW THAT I HAVE REMEMBERED WHY I AM DESIGNING I NOW KNOW WHERE I WANT TO TAKE THIS DESIGN FOR MY FINAL PROPOSAL. **WHEN LOOKING BACK IT WAS ALSO MADE CLEAR THAT I CAN NO LONGER IGNORE THE SURROUNDING ESTATES AND THE 5 METER LEVEL DIFFERENCE ON SITE.**

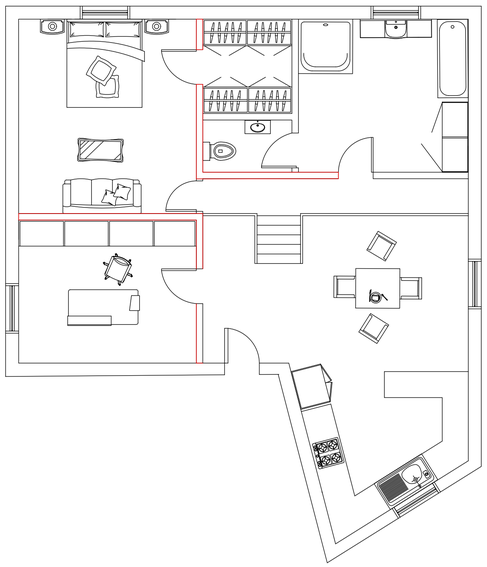


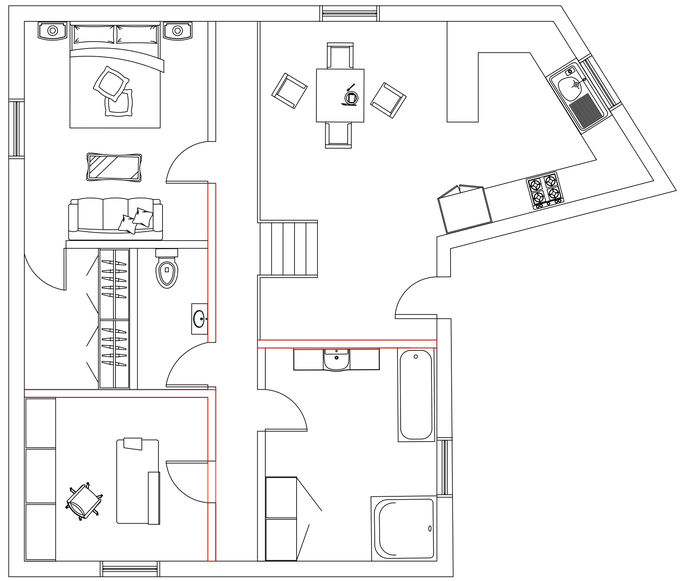
MY SITE

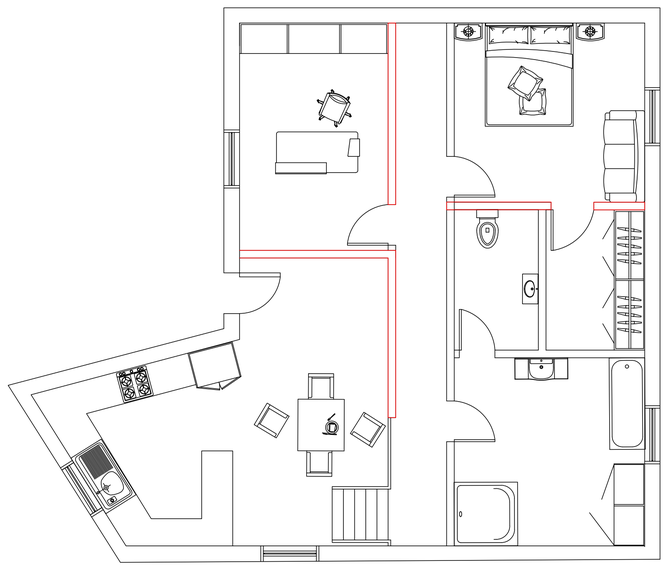
AS YOU CAN SEE ON THE MAP MY SITE IS A TINY PORTION OF THE HUNDREDS OF DWELLINGS THAT ARE IN THE SELSFIELD COMMUNITY, IT IS IMPORTANT NOT TO SHUT THEM OUT ESPECIALLY AS BEFORE MY SITE WOULD BE A WAY PEOPLE ON THE TOP ESTATES WOULD WALK DOWN THE HILL TO LEWES ROAD. BY IGNORING THE REST OF THE COMMUNITY I WILL BE DOING A DISSERVICE TO THOSE THAT REGULARLY USE THAT WAY.

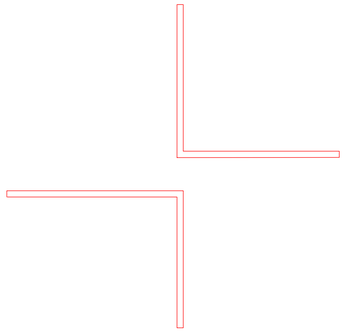
SELSFIELD DRIVE CONNECTION

SO FAR I HAVE BEEN FOCUSED ON THE CONNECTION BETWEEN DWELLINGS IN ONE BLOCK I HAVE FAILED TO CONSIDER THE RELATIONSHIP BETWEEN THE INTERNAL COMMUNITY I AM CREATING AND THE REST OF THE COUNCIL HOUSES IN SELSFIELD DRIVE. AS MENTIONED IN THE BRIEF **MY SITE WILL BECOME THE STARTING POINT OF SELSFIELD DRIVE SO EVEN THOUGH I WANT MY SITE TO HAVE ITS OWN IDENTITY I WANT IT TO STILL LINK WITHIN ITS CIRCULATION**.







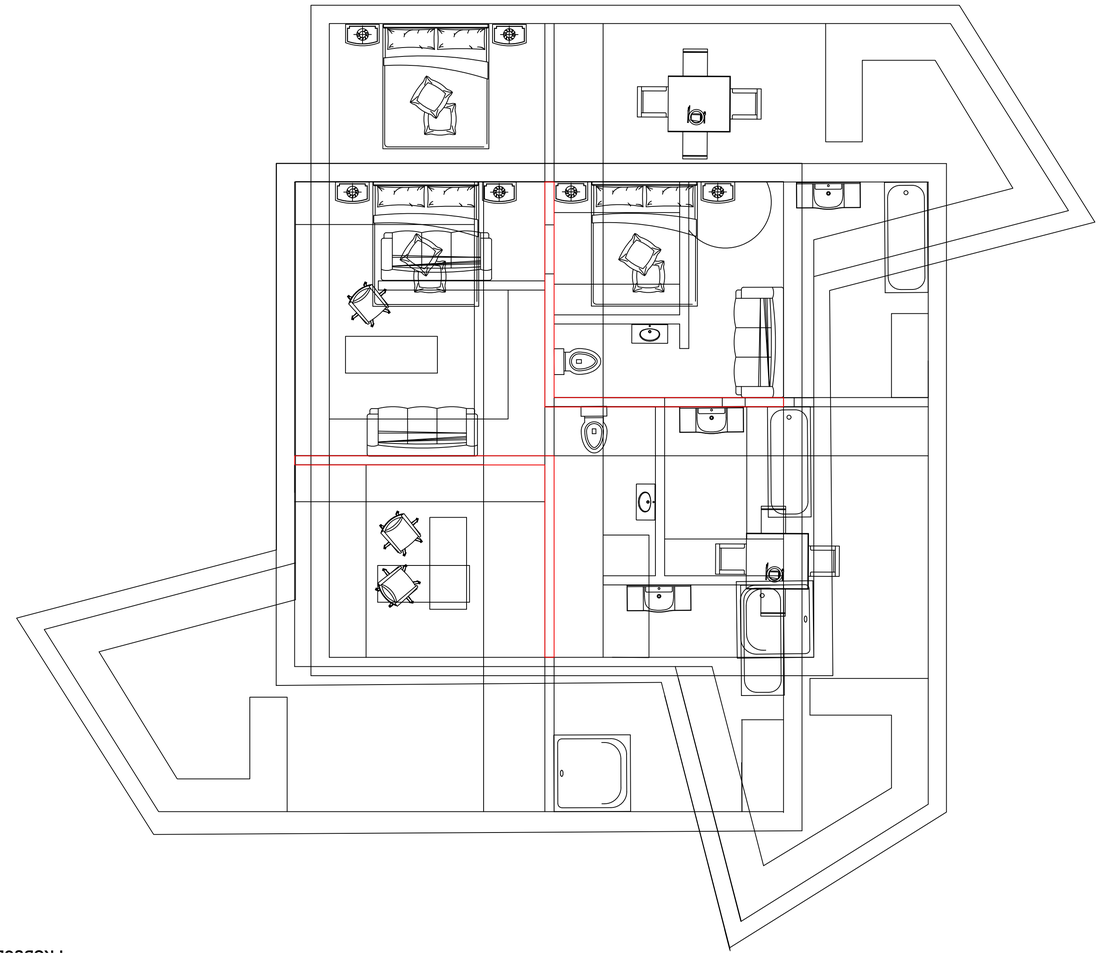


CHANGING OF THE PLAN

I HAVEN'T CHANGED THAT MUCH OF THE PLAN IN TERMS OF CONTENT I JUST **ADDED AN OFFICE FOR THE BUSINESS PROFESSIONALS TO WORK FROM HOME** AND CHANGED THE SIZE AND LOCATION OF THE ROOMS

THE PROBLEM I HAD LAST TIME WAS THAT I WAS TRYING TO MAKE CHANGES IN ORIENTATION TO FIT THE PLAN SO I COULD KEEP IT THE SAME THROUGHOUT, HOWEVER THAT ISN'T POSSIBLE.

INSPIRED BY THE BLOCK PROPOSAL I **CREATED 3 PLANS THAT TURN TO CHANGE ORIENTATION AFTER THE 3RD PLAN, PLAN 1 AND 2 REPEATS (TOTAL 5 LEVELS)**. WHEN CREATING THE PLANS **I PICKED 4 KEY INTERNAL WALLS THAT I WANTED TO CONSISTENTLY GO UP THE BUILDING TO PROVIDE INTERNAL STABILITY (RED)**. I ALSO MADE SURE THAT WET ROOMS WERE NEAR EACH OTHER AS WELL.



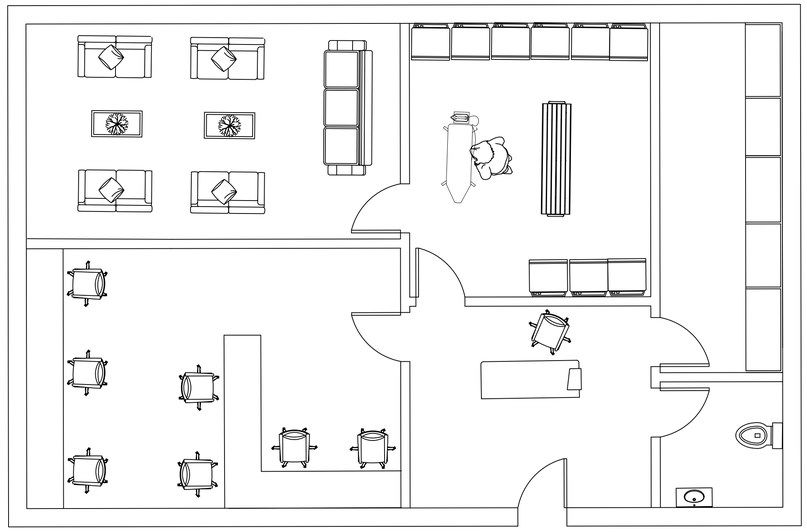
DWELLING STRUCTURE

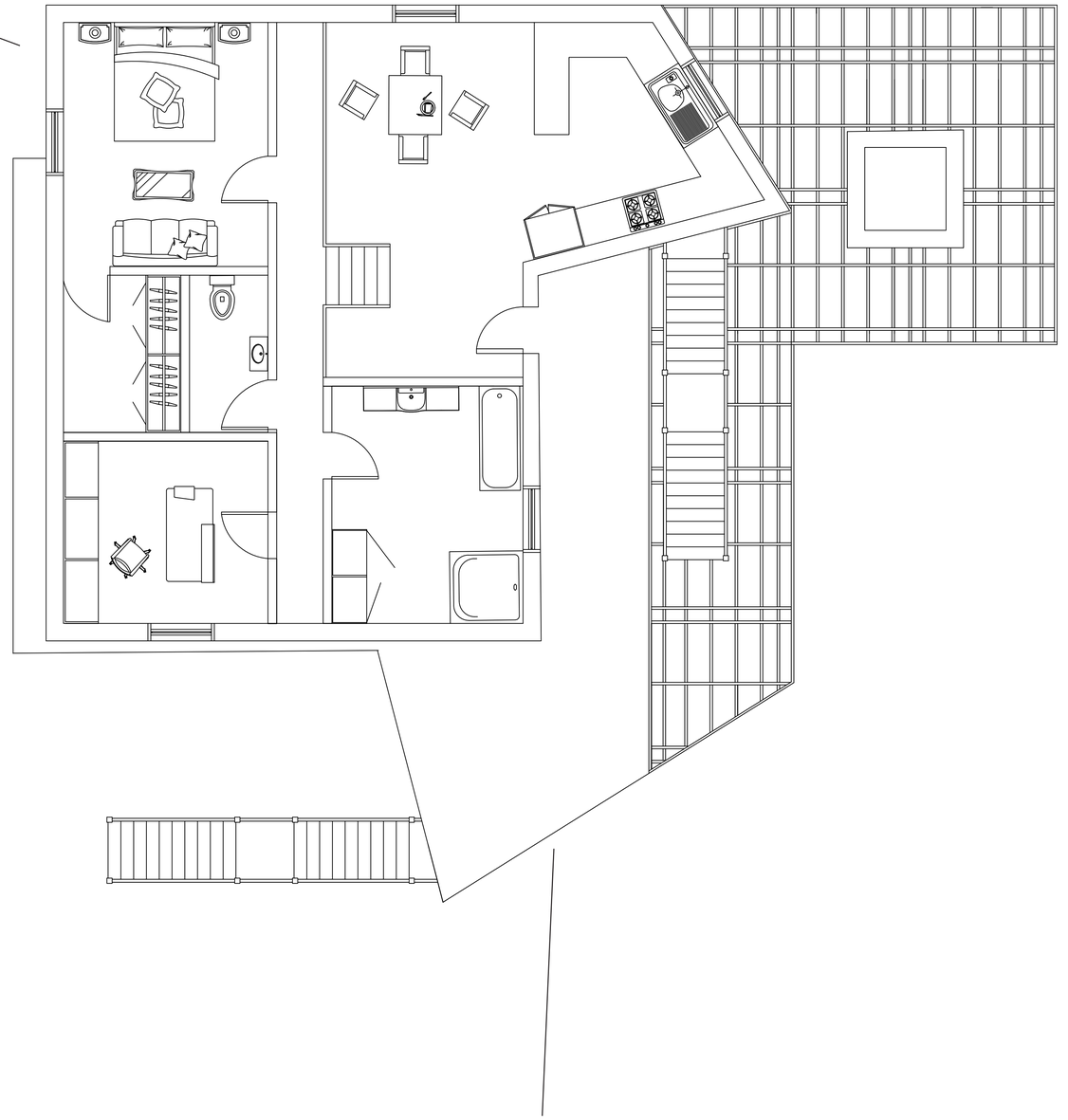
I DECIDED FOR THE DWELLING STRUCTURE I DECIDED TO KEEP THE IDEA OF HAVING CLT SLABS AS THE MAIN STRUCTURE WITH CLT WALLS PLACED ON TOP MAKING SURE THOSE FOUR WALLS RUN CONSISTENTLY DOWN THE ENTIRE BUILDING

OVERHANG STRUCTURE

I ALSO MADE THE CHOICE TO HAVE A MULTI LEVEL DECKING INSPIRED EXTERNAL STRUCTURE WITH STEEL BEAMS AND JOISTS RUNNING THROUGH FOR STRUCTURAL SUPPORT WITH WOODEN CLADDING COVERING IT. THIS WILL BE SUPPORTED BY STEEL REINFORCED GULAM COLUMNS AND A STEEL LIFT STRUCTURE.

ALTHOUGH I WANTED TO STICK TO USING WOOD AS MY MAIN MATERIAL STEEL IS ONLY BEING USED FOR REINFORCEMENT AS MY DESIGN IS A COMPLEX STRUCTURE.





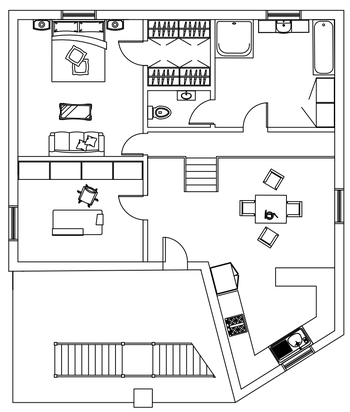
OLD LIBRARY STRUCTURE

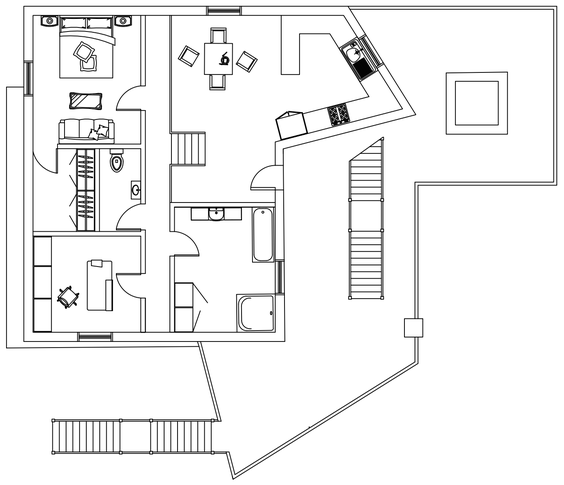
I AM KEEPING ONLY THE OLD BRICK LIBRARY BUT MAKING IT SMALLER AND MOVING IT SLIGHTLY ON SITE. DUE TO THE FACT THAT I AM ALREADY DECREASING ITS SIZE I AM ABLE TO MOVE THE BUILDING WITHOUT FEAR OF NEEDING TO SAVE EVERY SINGLE BRICK TO RE-USE. THE BRICK WILL WORK AS THE CONTRAST WOULD HELP TO DISTINGUISH THE FACT THAT THIS IS NOT A DWELLING BUT A COMMUNITY CENTER.

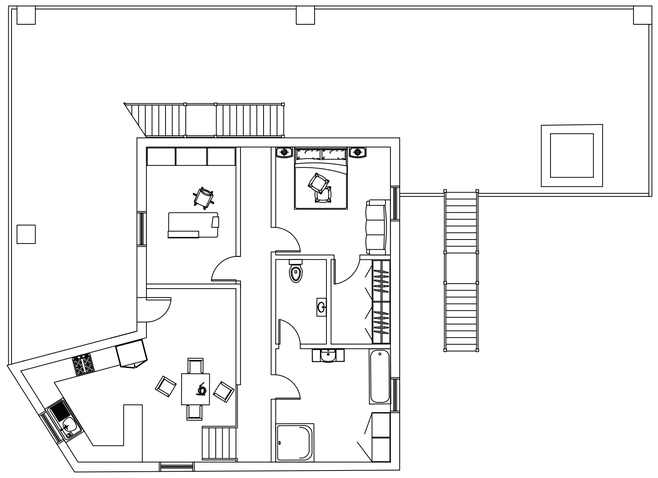
I**NSIDE THE CENTER IS A COMPUTER ROOM** WITH PRINTING FACILITIES, A **LAUNDRY ROOM** AS NO DWELLING WILL HAVE A PERSONAL WASHING MACHINE OR DRYER FORCING PEOPLE TO HAVE CHANCE INTERACTIONS WITH PEOPLE ALL OVER THE BLOCK. THERE IS ALSO A **CHILL ROOM** WITH COUCHES AND A TV FOR PEOPLE TO SOCIALISE, LASTLY THERE IS **FRONT DESK WITH STAFF STORAGE ROOM WHERE YOU CAN COLLECT YOUR POST OR FOLLOW UP ON PROBLEMS OR QUERIES REGARDING YOUR APARTMENT**.

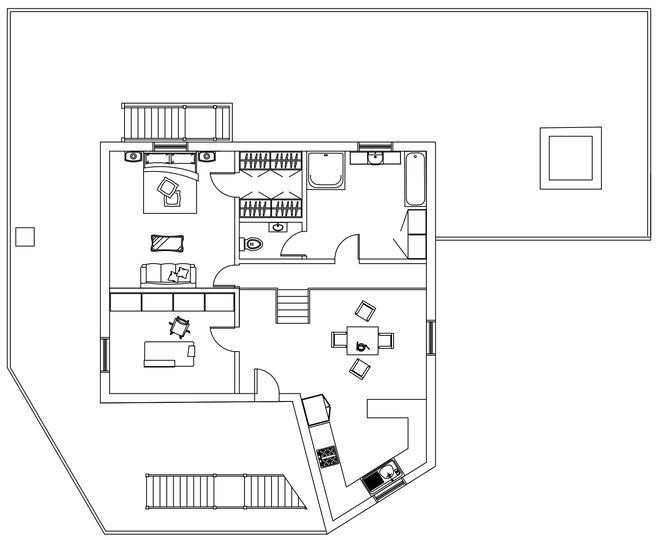
TERRACE ROOF INSPIRED STRUCTURE

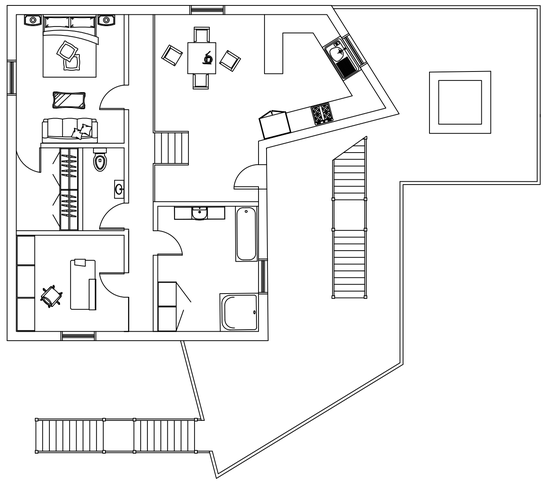
DUE TO THERE BEING **SOME AREAS WHERE THE PERSON MAY BE WALKING ON TOP OF SOMEONES CEILING** IT DIDN'T MAKE SENSE TO TRY AND CONTINUE THE DECKING STRUCTURE ON TOP OF THERE ROOF, INSTEAD **I THOUGHT TO DO A TERRACE ROOF INSPIRED STRUCTURE THAT THE DECKING CAN CONNECT TO.** THE CLADDING WILL CONTINUE FROM THE DECKING OVER TOP OF THE ROOF TO SHOW CONSISTENCY.





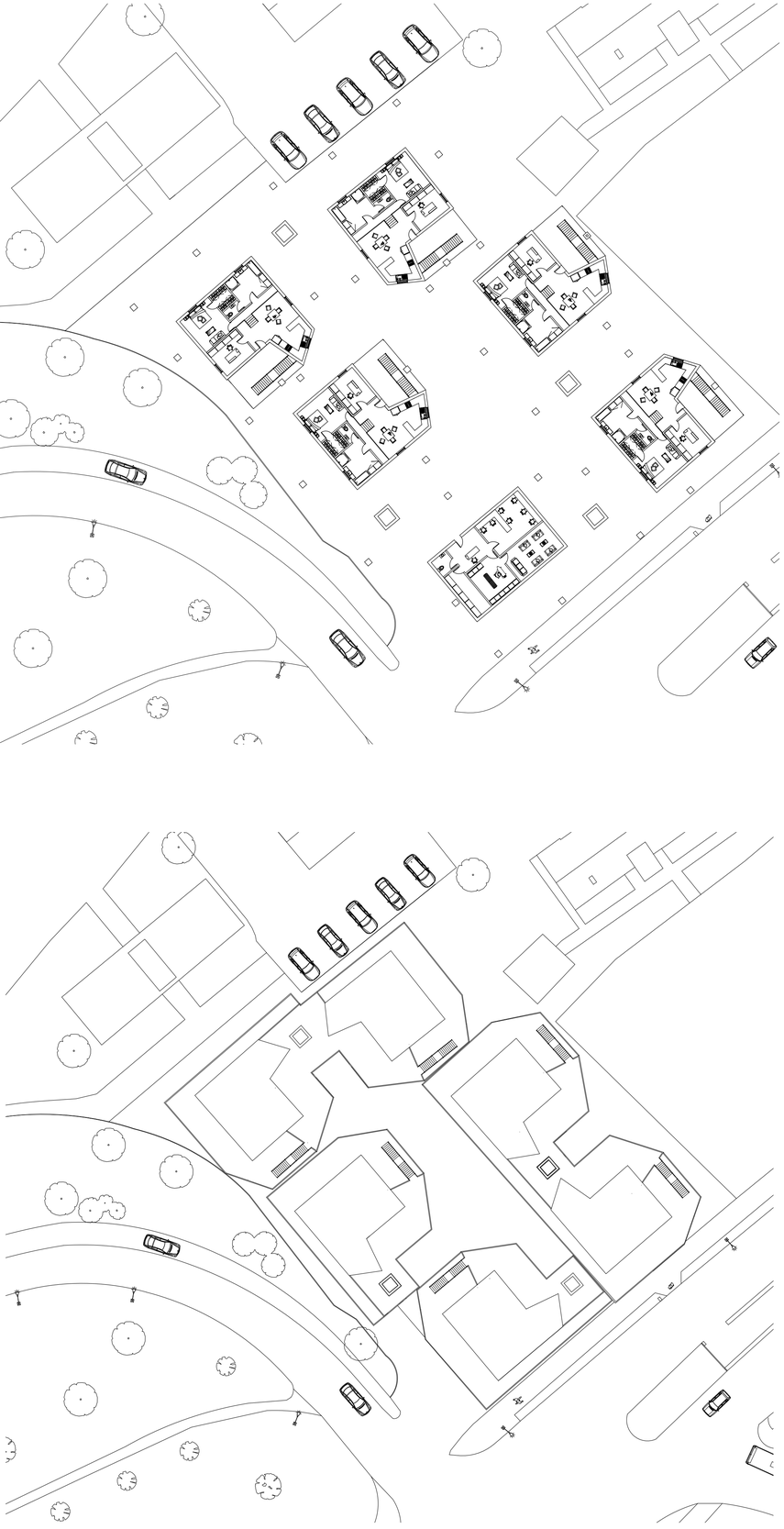


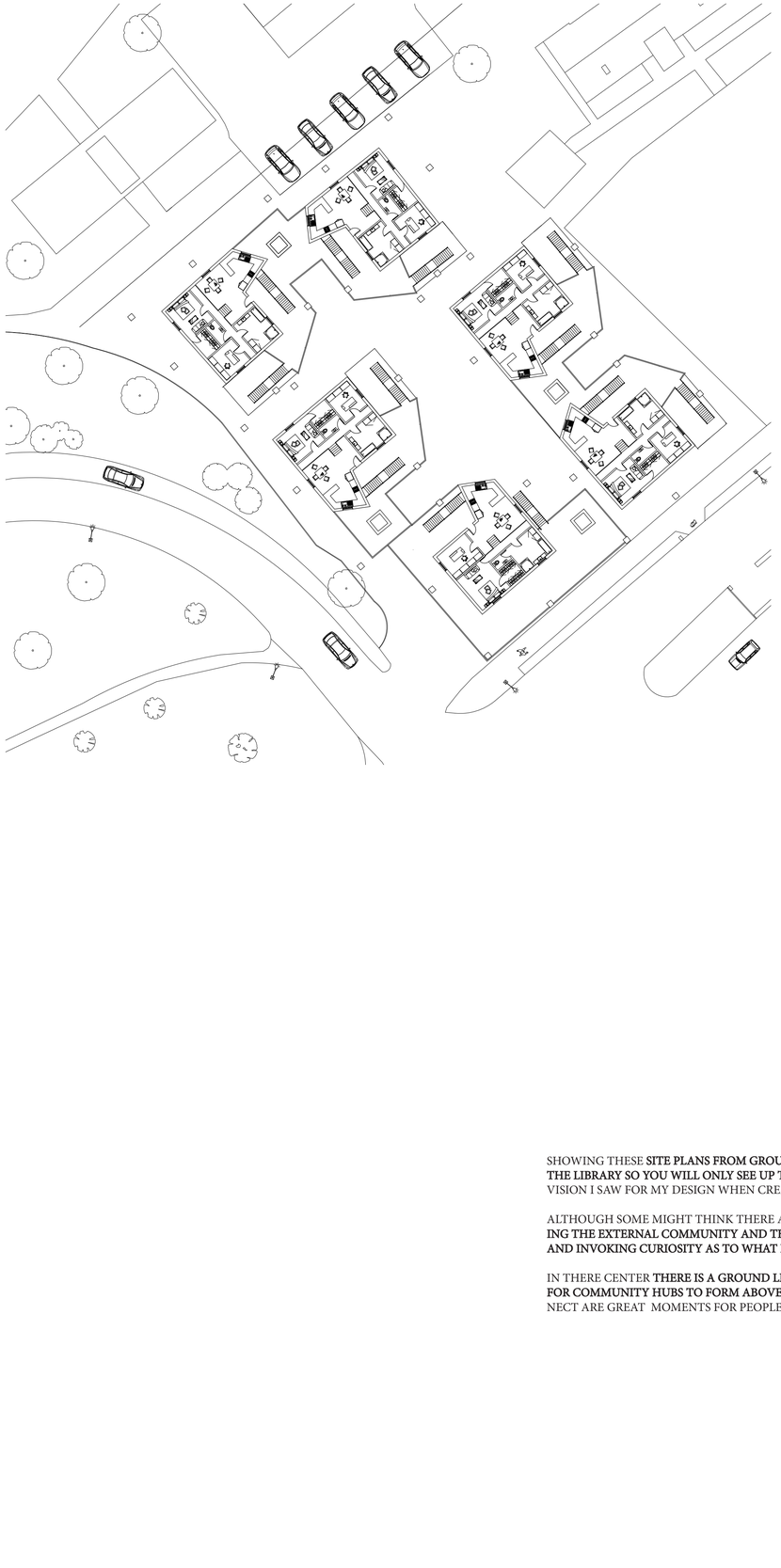


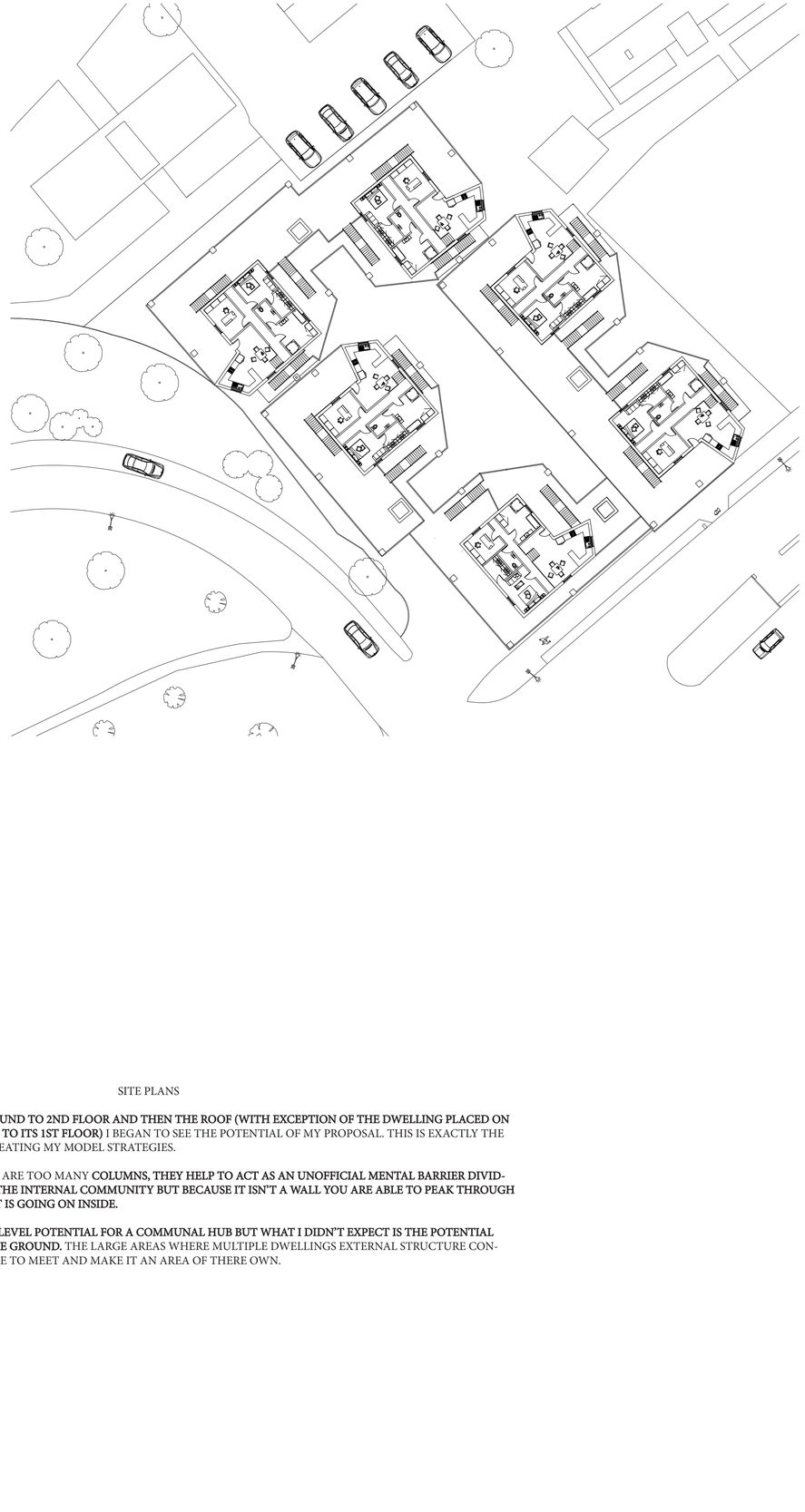


DWELLING FLOOR PLANS

HERE I HAVE SHOWN EACH FLOOR PLAN STARTING FROM GROUND TO THE 5TH FLOOR AS SEPARATE ENTITIES (NOT SHOWING HOW THEY STACK ON TOP OF EACH OTHER).





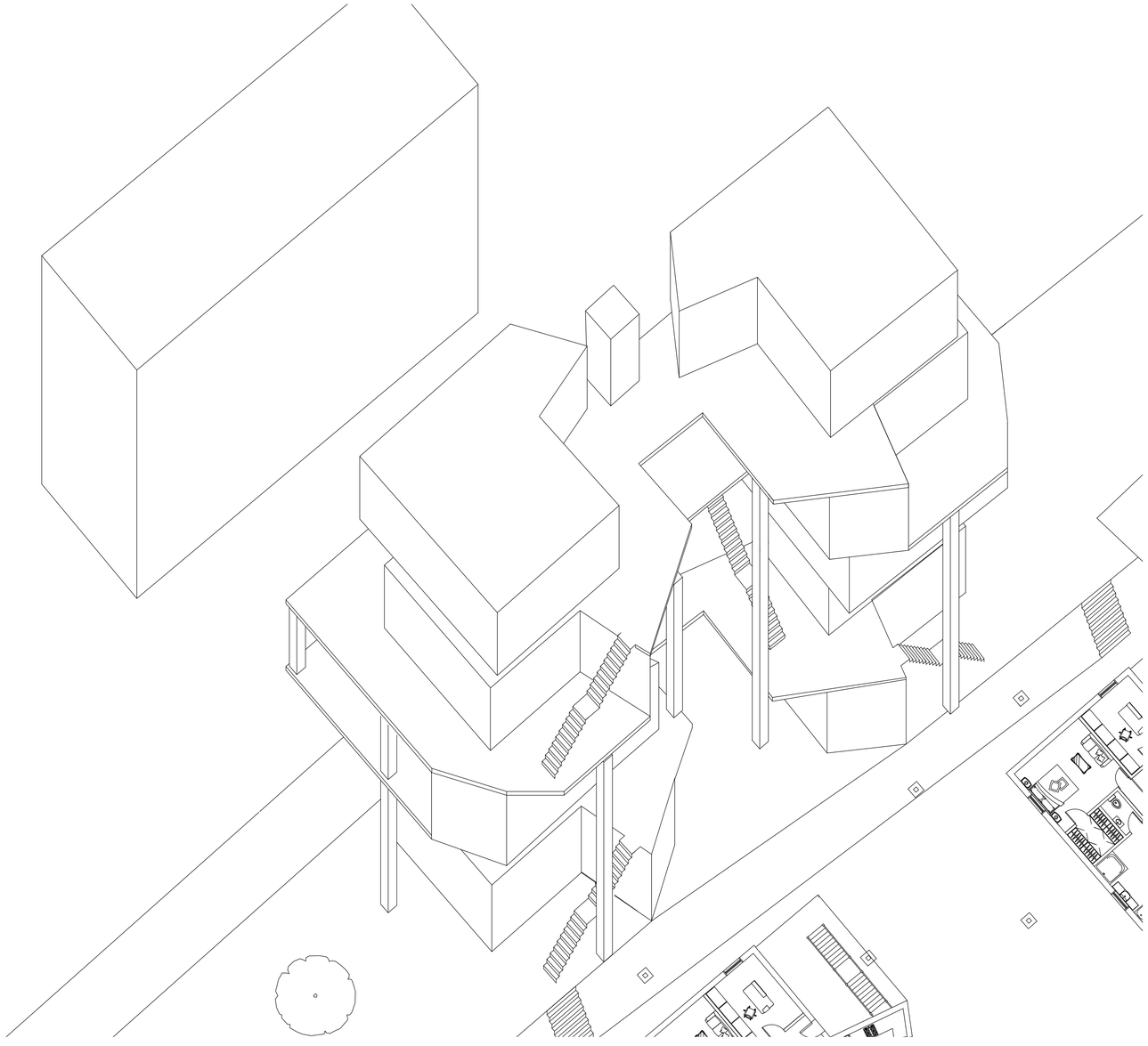


SITE PLANS

SHOWING THESE **SITE PLANS FROM GROUND TO 2ND FLOOR AND THEN THE ROOF (WITH EXCEPTION OF THE DWELLING PLACED ON THE LIBRARY SO YOU WILL ONLY SEE UP TO ITS 1ST FLOOR)** I BEGAN TO SEE THE POTENTIAL OF MY PROPOSAL. THIS IS EXACTLY THE VISION I SAW FOR MY DESIGN WHEN CREATING MY MODEL STRATEGIES.

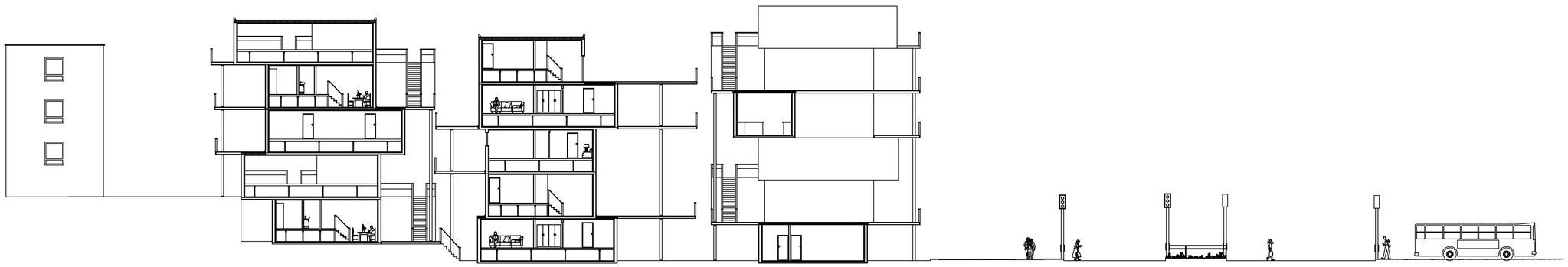
ALTHOUGH SOME MIGHT THINK THERE ARE TOO MANY **COLUMNS, THEY HELP TO ACT AS AN UNOFFICIAL MENTAL BARRIER DIVIDING THE EXTERNAL COMMUNITY AND THE INTERNAL COMMUNITY BUT BECAUSE IT ISN'T A WALL YOU ARE ABLE TO PEAK THROUGH AND INVOKING CURIOSITY AS TO WHAT IS GOING ON INSIDE.**

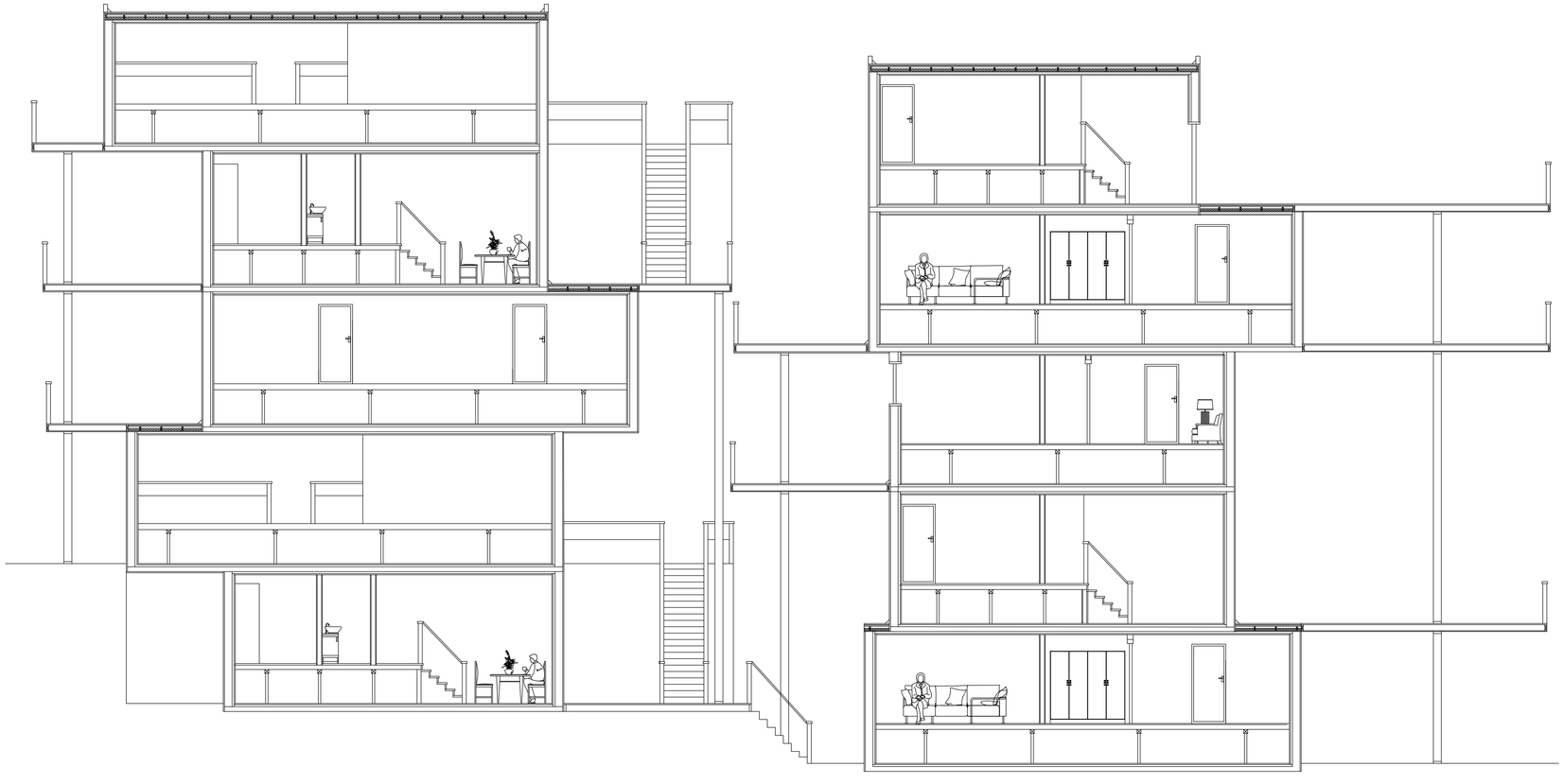
IN THERE CENTER **THERE IS A GROUND LEVEL POTENTIAL FOR A COMMUNAL HUB BUT WHAT I DIDN"T EXPECT IS THE POTENTIAL FOR COMMUNITY HUBS TO FORM ABOVE GROUND.** THE LARGE AREAS WHERE MULTIPLE DWELLINGS EXTERNAL STRUCTURE CONNECT ARE GREAT MOMENTS FOR PEOPLE TO MEET AND MAKE IT AN AREA OF THERE OWN.



CONNECTION TO SELSFIELD

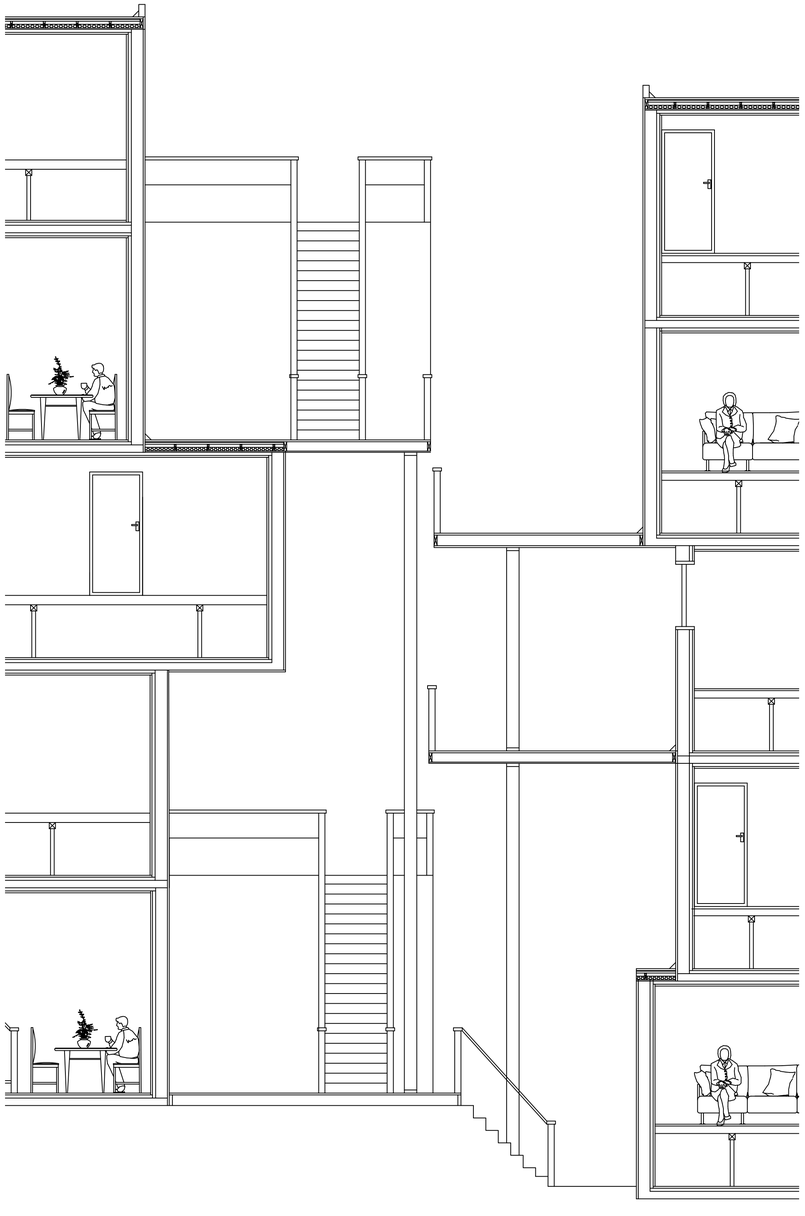
AFTER CREATING THOSE PLANS I MADE A SMALL DEVELOPMENT TO MAKE THE SITE ACCESSIBLE TO THE SURROUNDING SELSFIELD COMMUNITY. **FOR THE BACK TWO DWELLINGS I RAISED THE GROUND HEIGHT BY 1.5 METERS SO THAT THE 1ST FLOOR WOULD LINE UP PERFECTLY WITH THE ESTATE BEHIND. BY DOING THIS THE SELSFIELD COMMUNITY WILL FEEL AT ONE WITH THE NEW BUILD AS THEY HAVE TO WALK THROUGH THE SAME CIRCULATION AS EVERYONE ELSE ON THE SITE TO GET DOWN TO LEWES ROAD.** IT WAS IMPORTANT FOR ME NOT TO SEGREGATE THE SELSFIELD COMMUNITY AND I FEEL THIS CHANGE CORRECTS THIS.

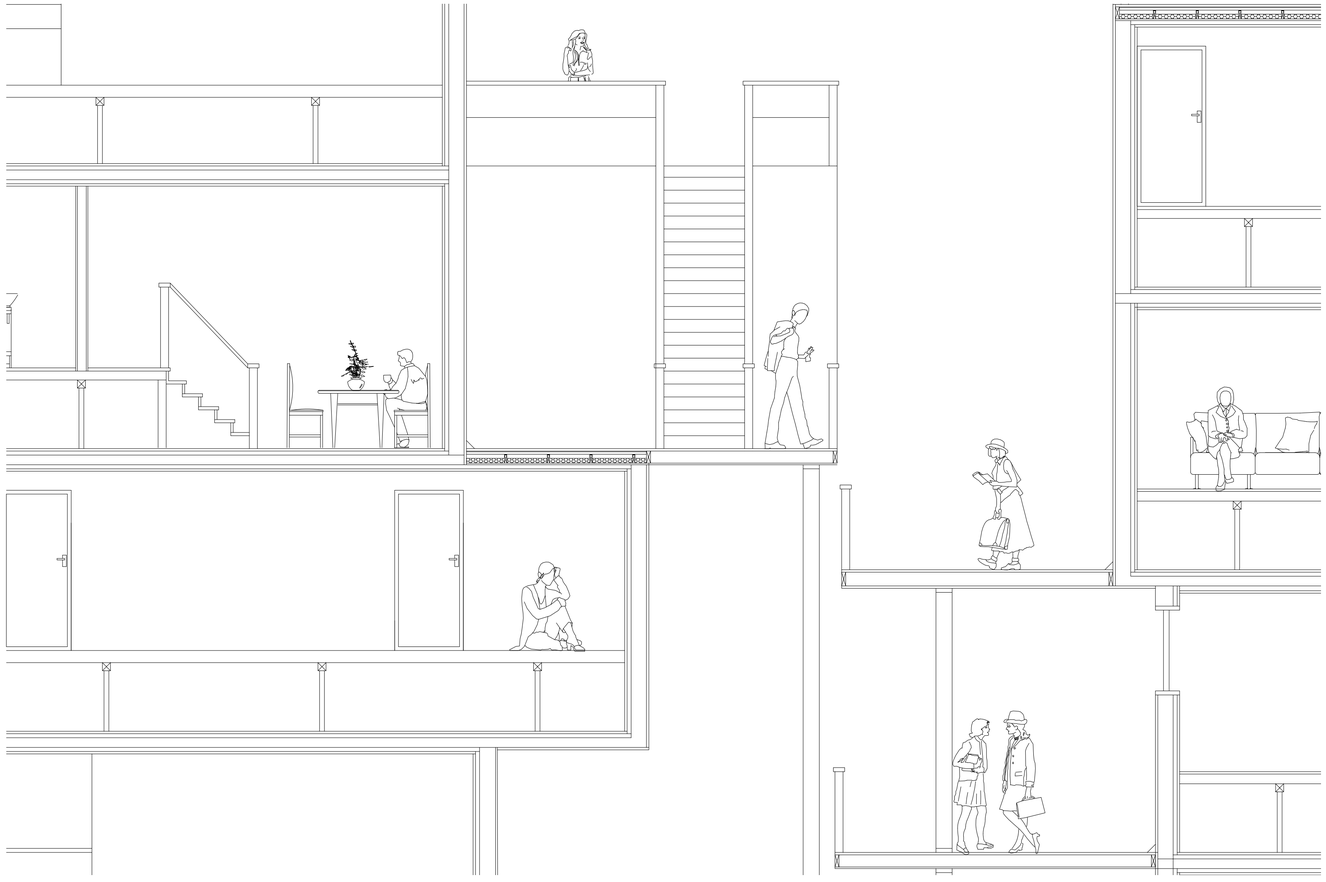




SITE SECTION

BY RAISING THE GROUND LEVEL FOR THE BACK DWELLING THIS CREATED AN INTERESTING PLAY WITH LEVELS NO MATTER WHERE YOU ARE YOUR VIEW WILL BE DIFFERENT.

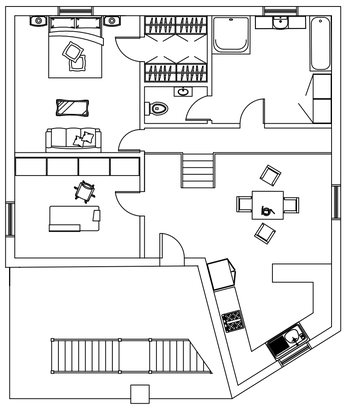


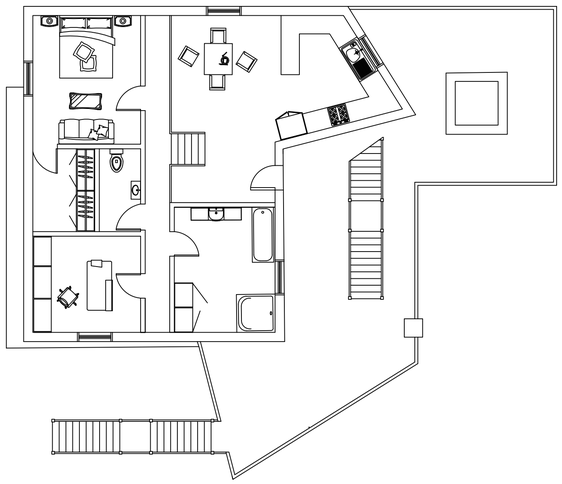


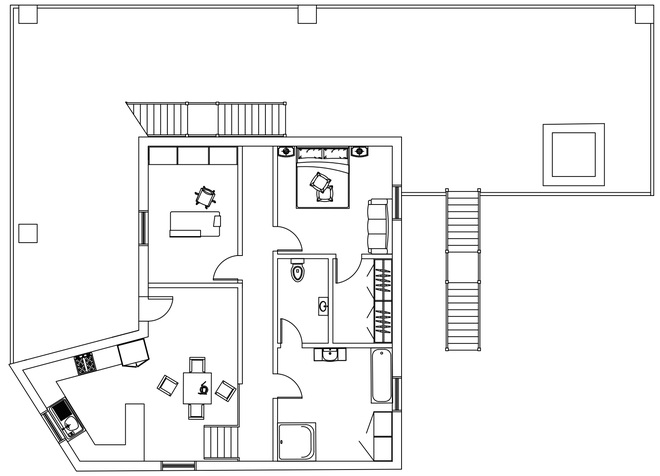
CONCLUSION

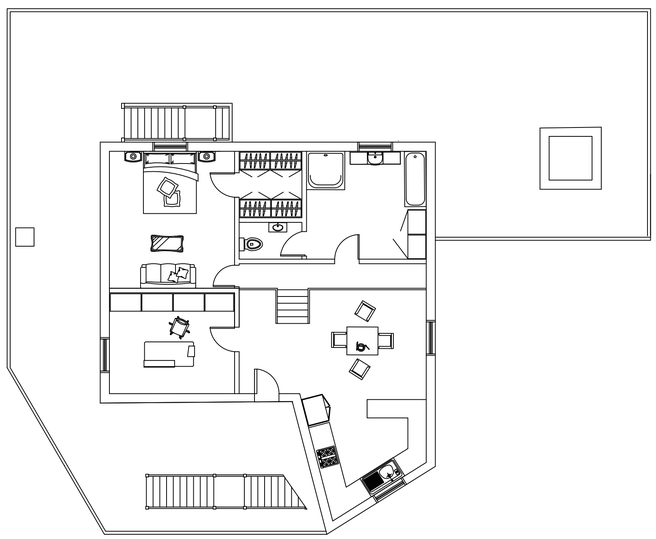
I FEEL MY DESIGN HAS ACHIEVED THE VISION I WAS TRYING TO CREATE FROM THE START, ALTHOUGH THERE WERE MOMENTS WHERE I WAS FRUSTRATED THAT I COULDN'T FIGURE OUT HOW TO CREATE THE VISION THAT WAS IN MY HEAD OR WHETHER IT WAS EVEN ARCHITECTURALLY POSSIBLE BUT I PUSHED THROUGH AND ACHIEVED EVERY DESIGN GOAL I SET OUT FROM THE START OF THE PORTFOLIO.

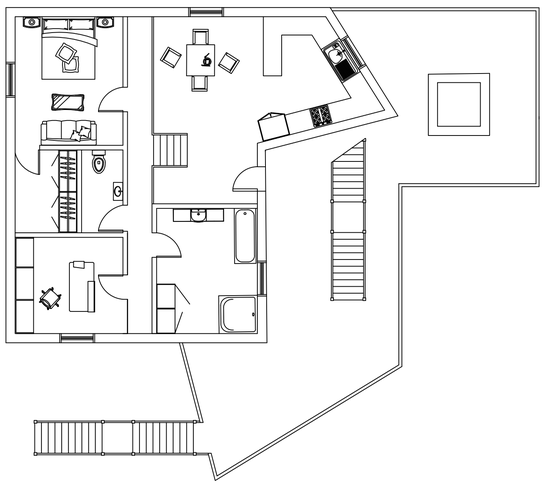
ORIGINAL SCALE DRAWINGS TO FOLLOW

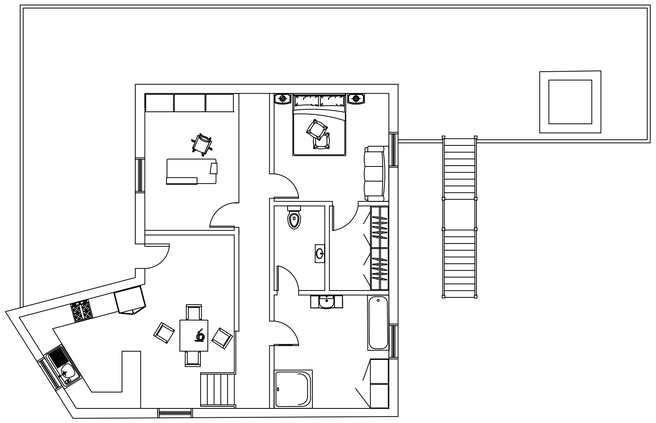


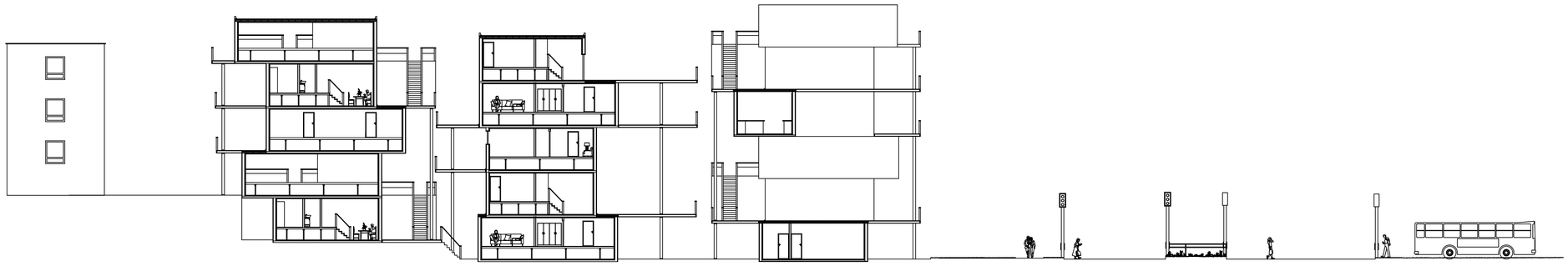




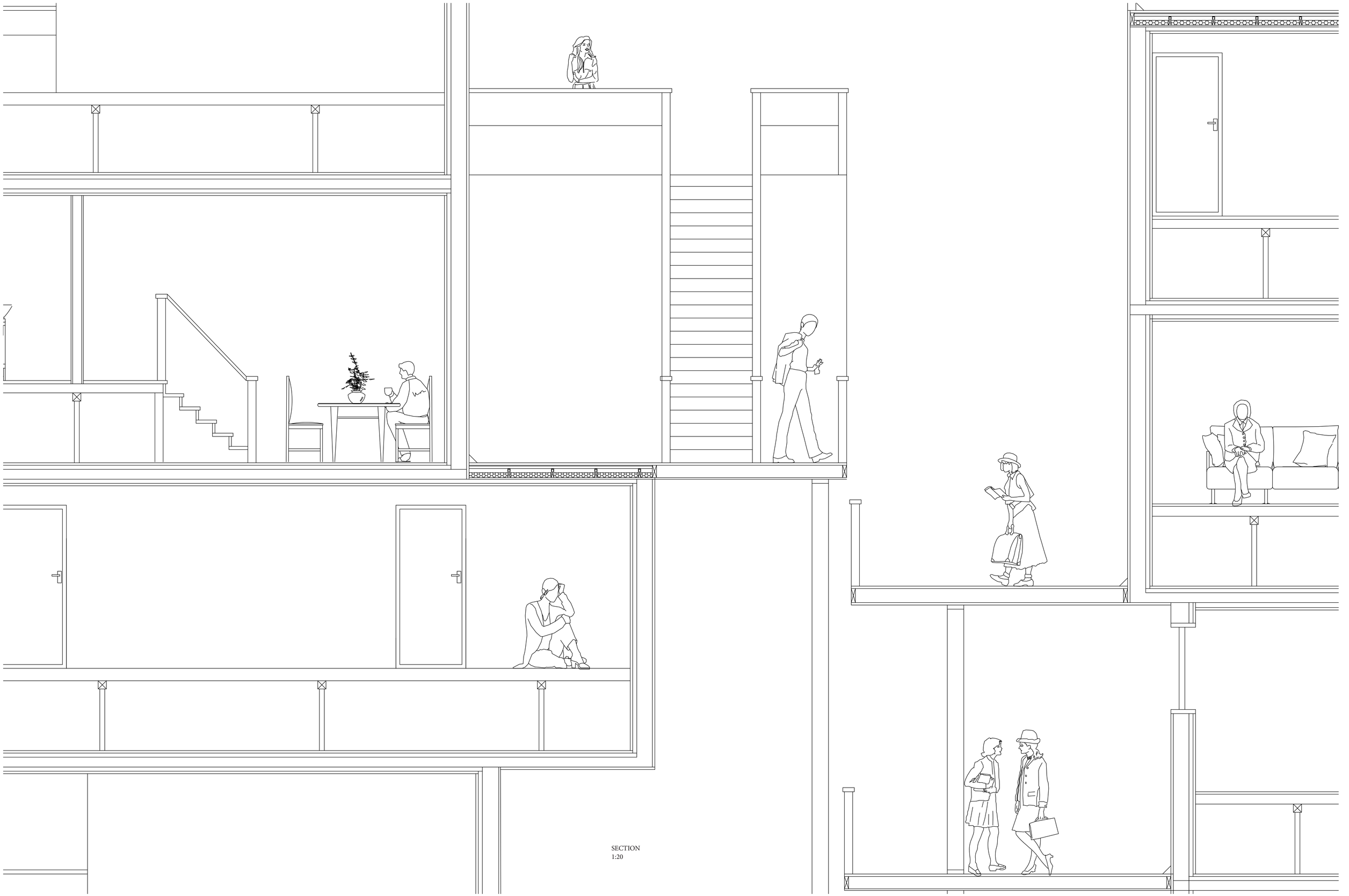








SITE SECTION
1:200



SECTION
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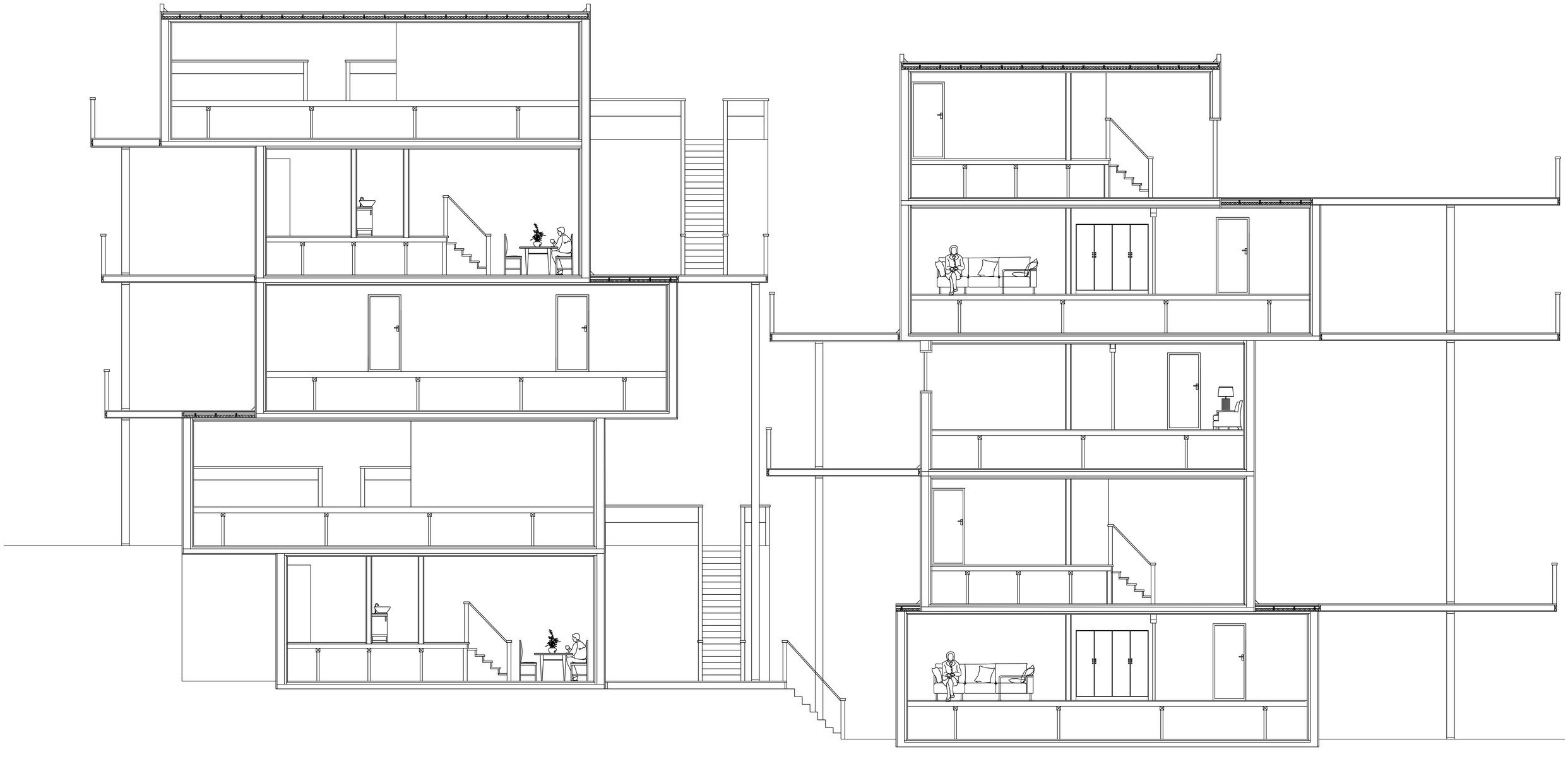

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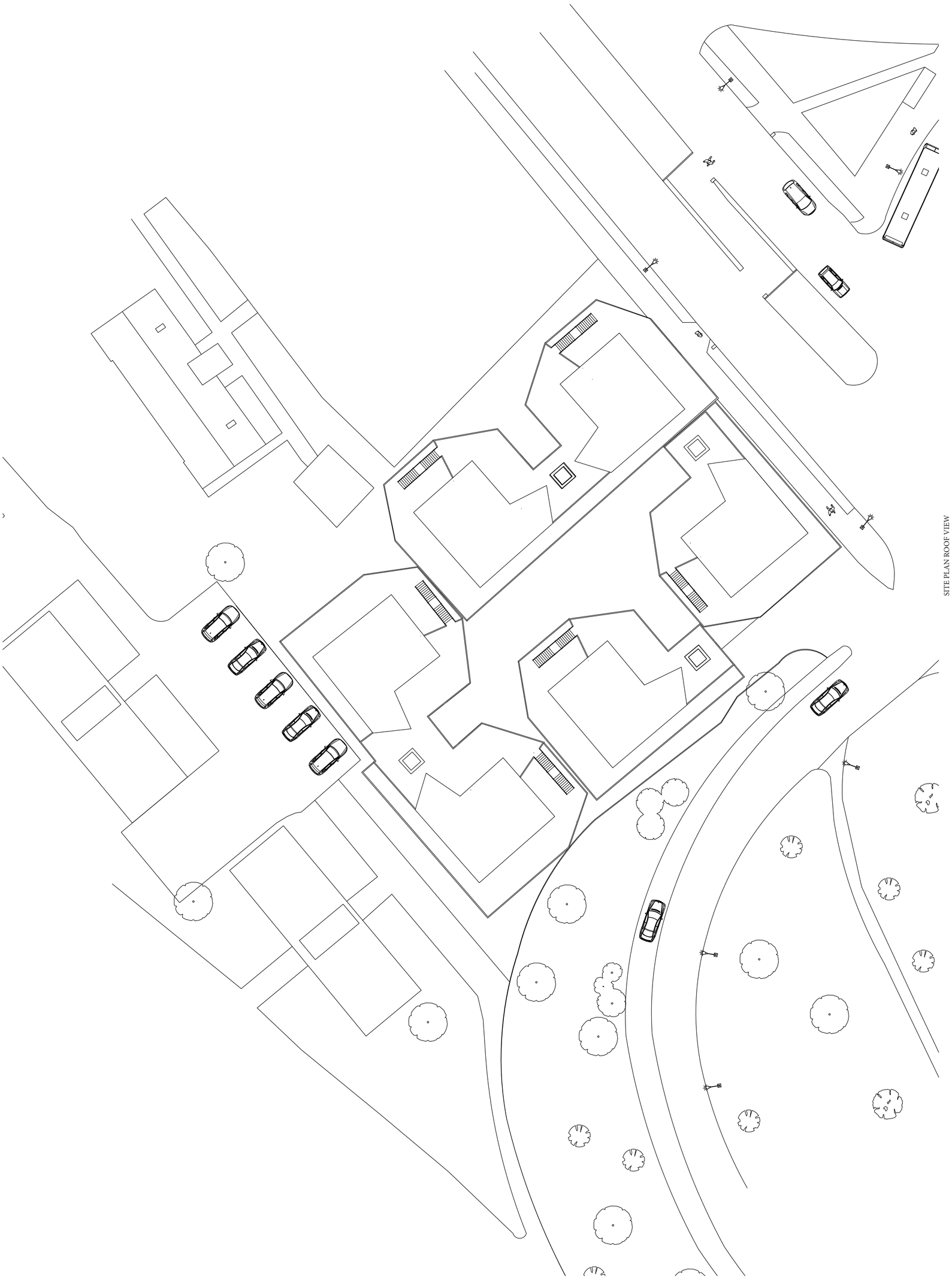
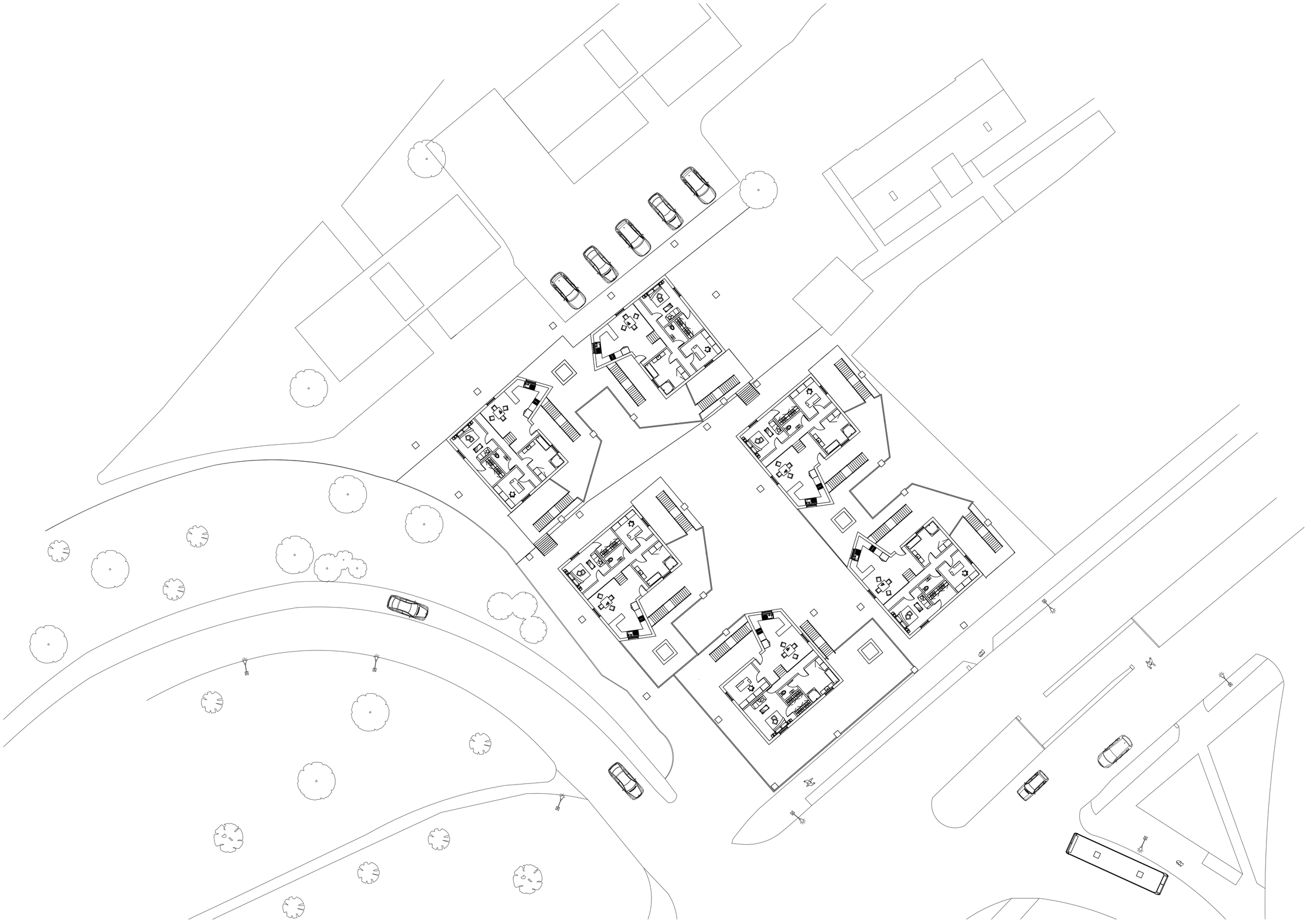
PRODUCED BY AN AUTODESK STUDENT VERSION



SITE PLAN ROOF VIEW
1:200



SITE PLAN 1ST FLOOR
1:200