

ARCHITECTURAL
PORTFOLIO
2019-2022

HENCY PATEL

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RESIDENTIAL PROJECT

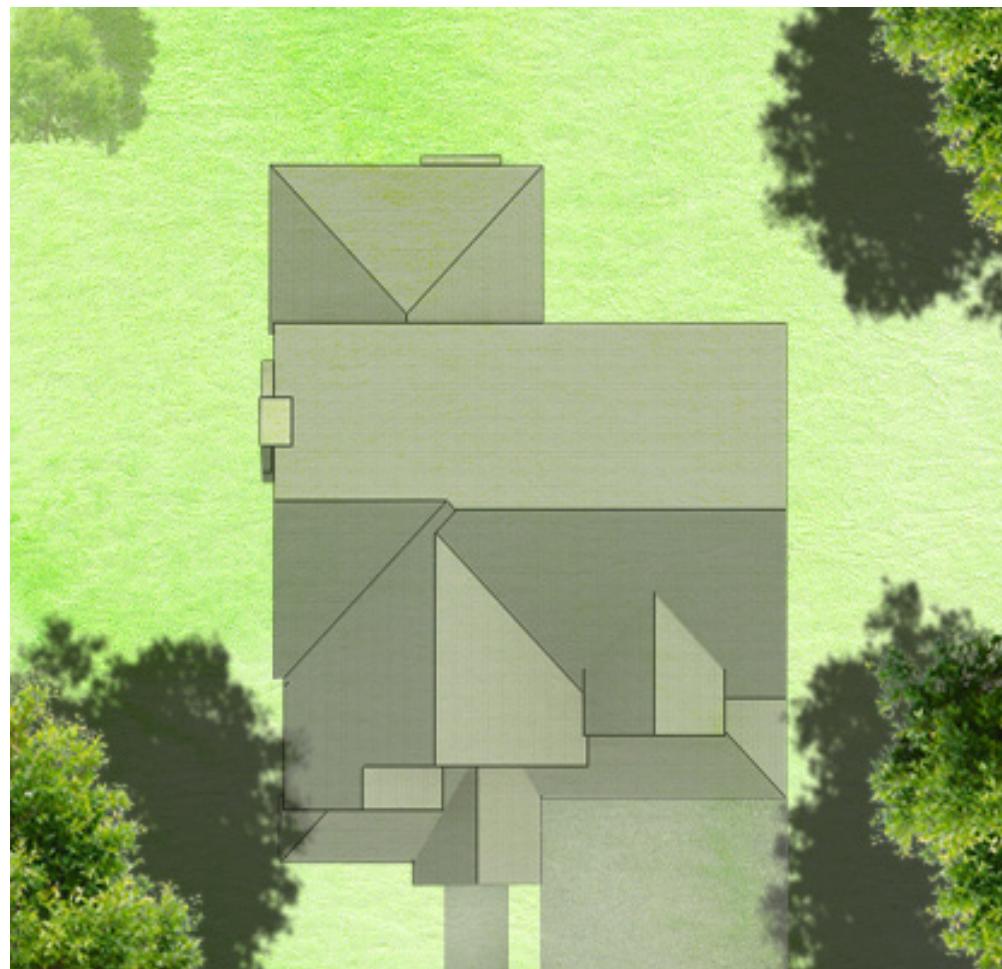
PROJECT YEAR :- 2021

SEMESTER :- 5

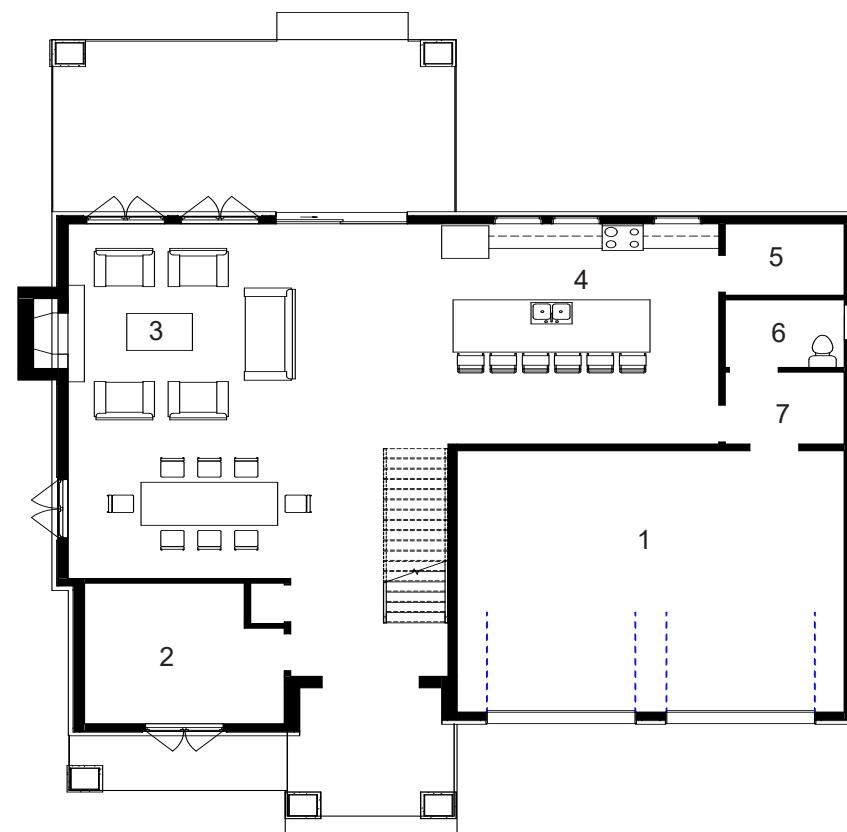
PROJECT LOCATION :- WINDSOR, ON

CONCEPT :- THE PRIMARY OBJECTIVE OF THIS HOUSE IS TO DRAFT AN OPEN SPACE. THE HOUSE HAS A FRONT PORCH WITH A TWO-CAR GARAGE, A REAR PORCH, 3 BEDROOMS, TWO MASTER BEDROOMS, AND A KITCHEN. THE LIVING ROOM IS DIRECTLY IN FRONT OF THE KITCHENETTE. THE DINING ROOM, KITCHEN, AND LIVING ROOM ARE ALL OPEN CONCEPT AND EASY TO WALK AROUND. THE ONE BEDROOM IS ON THE FIRST FLOOR, WHILE THE REST OF THE ROOMS ARE ON THE SECOND FLOOR, PROVIDING PRIVACY. THE EXTERIOR MATERIAL OF THE HOUSE IS DARK GRAY WOOD SIDINGS AND LIGHT STONES.

SITE PLAN



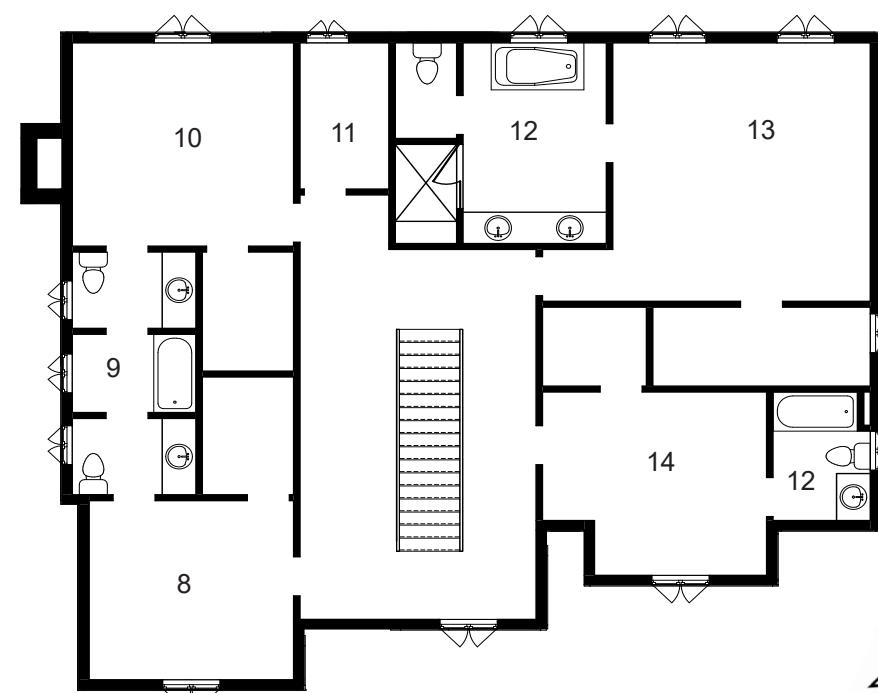
1ST FLOOR PLAN



1

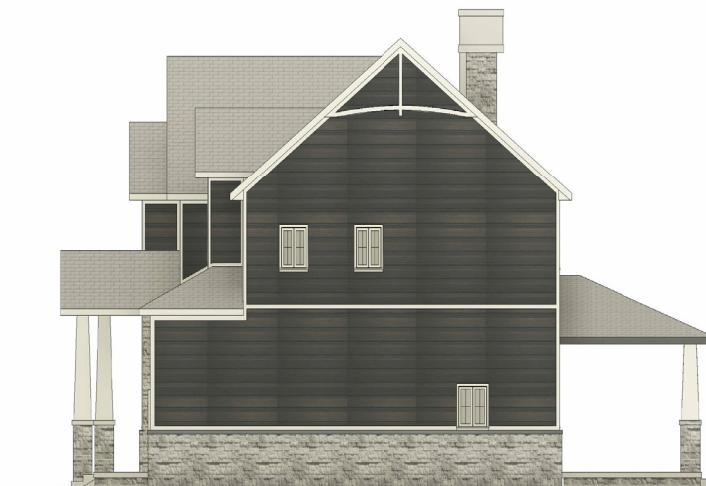
- 1 GARAGE
- 2 BEDROOM 1
- 3 OPEN CONCEPT LIVING ROOM
- 4 OPEN CONCEPT KITCHEN
- 5 STORAGE
- 6 COMMON WASHROOM
- 7 WALK-IN-COOLER
- 8 BEDROOM 2
- 9 JACK & JILL BATHROOM
- 10 BEDROOM 3
- 11 STORAGE
- 12 MASTER BATHROOM
- 13 MASTER BEDROOM 1
- 14 MASTER BEDROOM 2

2ND FLOOR PLAN



0 3 6 9

ELEVATIONS



0 5 10 15

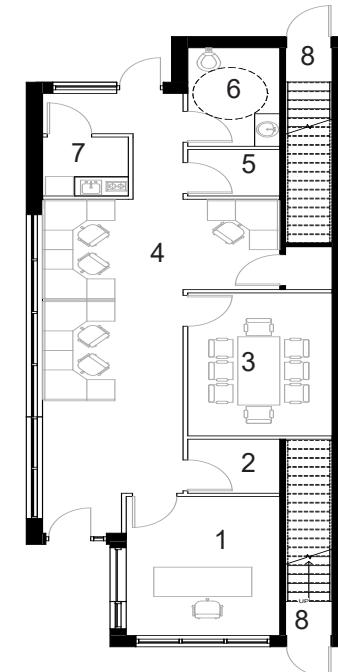
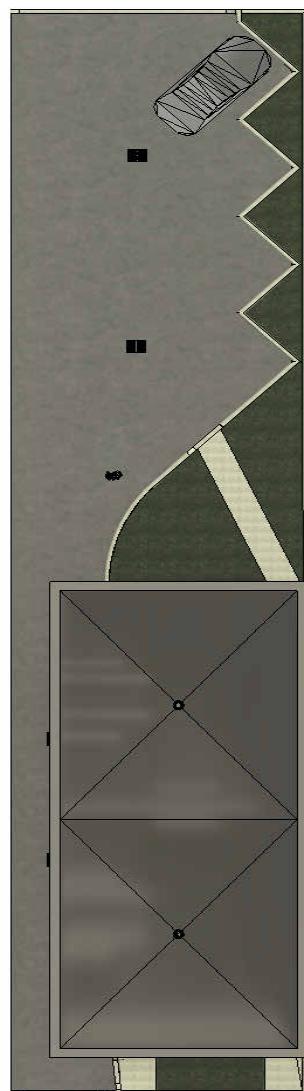
TRINITY

PROJECT YEAR :- 2021

SEMESTER :- 5

PROJECT LOCATION :- WINDSOR, ON

CONCEPT :- THE GOAL OF THIS PROJECT IS TO DRAFT THE TWO-STORY COMMERCIAL BUILDING. THE MAIN FLOOR HAS ALL THE OFFICES, AND THE 2ND FLOOR HAS A LIVE WORK LOFT. THE LOCATION IS WALKERVILLE, SO THIS AREA IS OLD WITH MID-MODERN BUILDINGS AND THE MAJORITY MATERIAL IS BRICK, SO THE PRIMARY GOAL IS TO USE THE MATERIAL IN ACCORDANCE WITH THE SURROUNDING AREA. SO WE USED BROEN BRICK AND GLASS FOR THIS PROJECT.

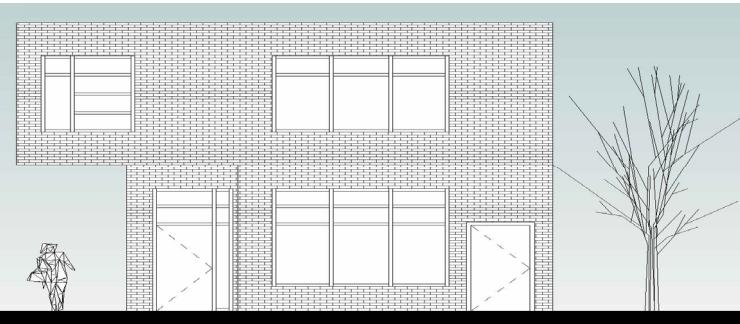


- 1 OWNER'S OFFICE
- 2 OFFICE STORAGE ROOM
- 3 MEETING ROOM
- 4 WORKSTATIONS
- 5 MECHANICAL ROOM
- 6 WASHROOM
- 7 KITCHEN
- 8 STAIRCASE
- 9 OPEN CONCEPT LIVING ROOM
WITH KITCHEN
- 10 BEDROOM#1
- 11 WASHROOM
- 12 BEDROOM#2



0 3 6 9

SOUTH



2



WEST

THE HUB

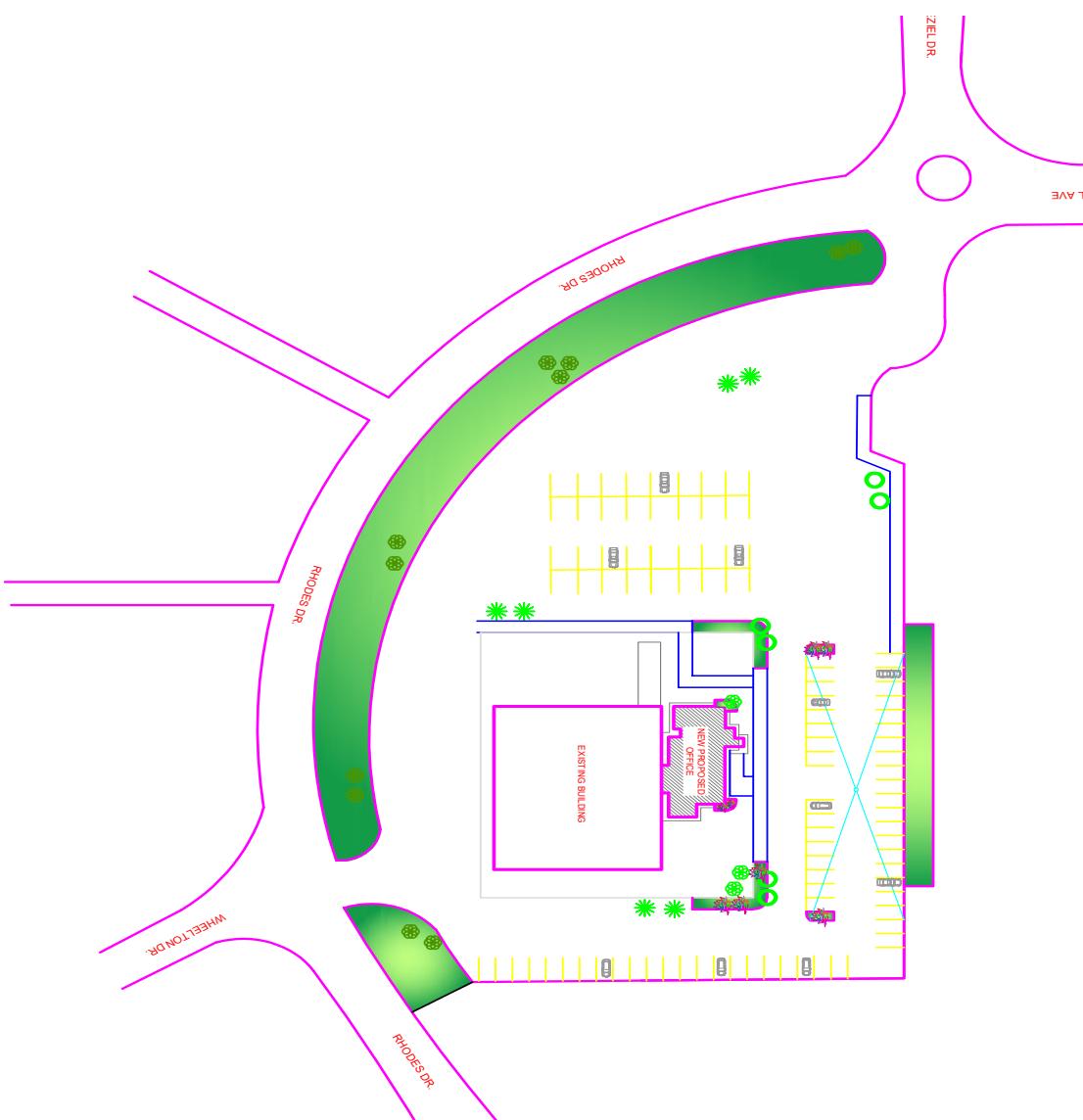
PROJECT YEAR :- 2020

SEMESTER :- 3 (GROUP PROJECT)

PROJECT LOCATION :- WINDSOR, ON

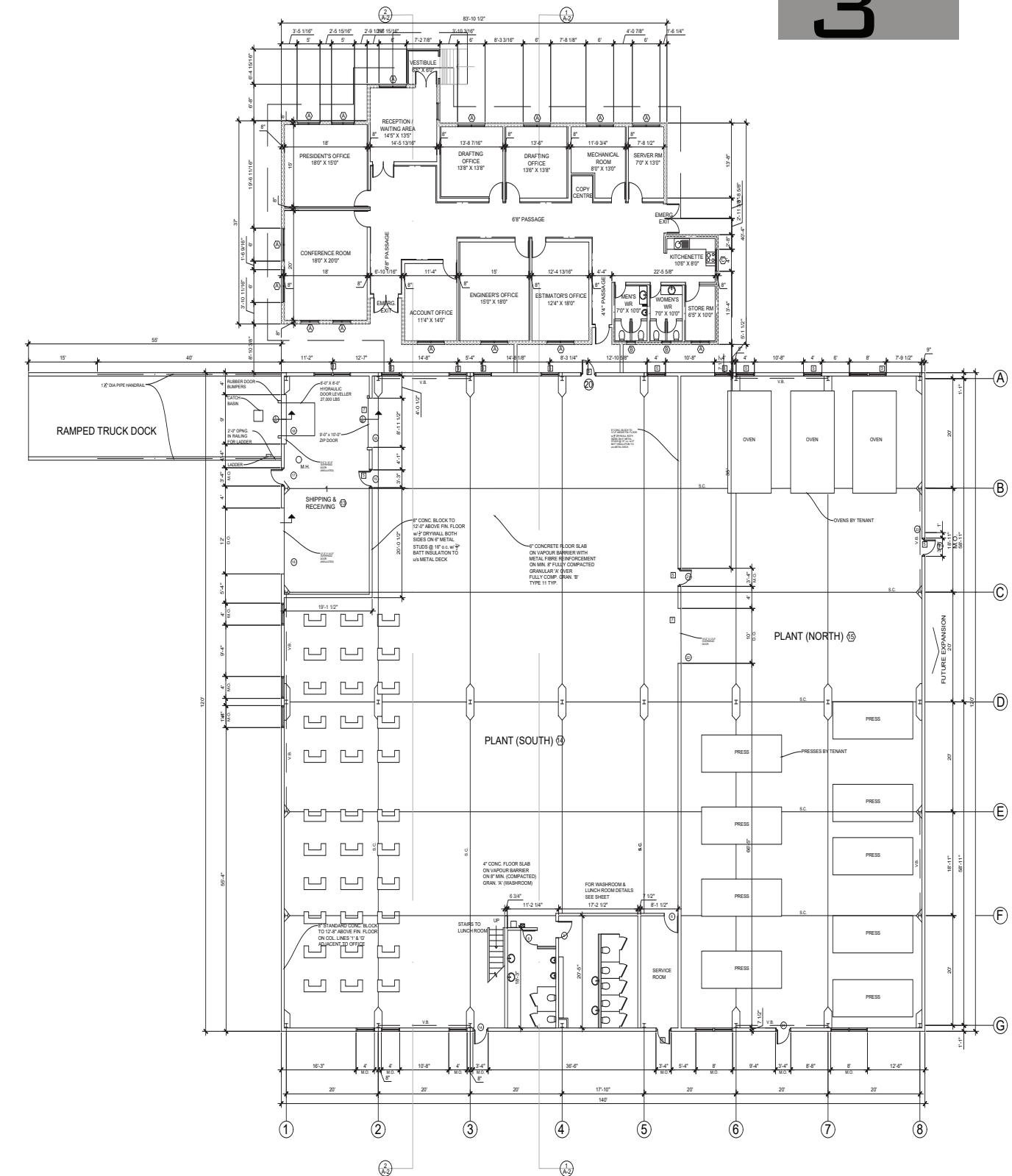
CONCEPT :- THE PROJECT INVOLVED CREATING AN OFFICE FOR AN EXISTING INDUSTRIAL PLANT. THE PROJECT IS LOCATED IN AN INDUSTRIAL AREA, SO IT IS VERY IMPORTANT TO DESIGN IN ACCORDANCE WITH THE ENVIRONMENT. THE CLIENT REQUIREMENT IS TO PROVIDE ACCESS TO THE DESIGN HANDICAP. THE VESTIBULE, GENERAL OFFICE AREA, STORAGE ROOM, KITCHETTE, PRESIDENT'S OFFICE, ENGINEER'S OFFICE, ESTIMATOR'S OFFICE, TWO DRAFTING OFFICES, AND CONFERENCE ROOM ARE ALL INCLUDED IN THE OFFICE.

SITE PLAN

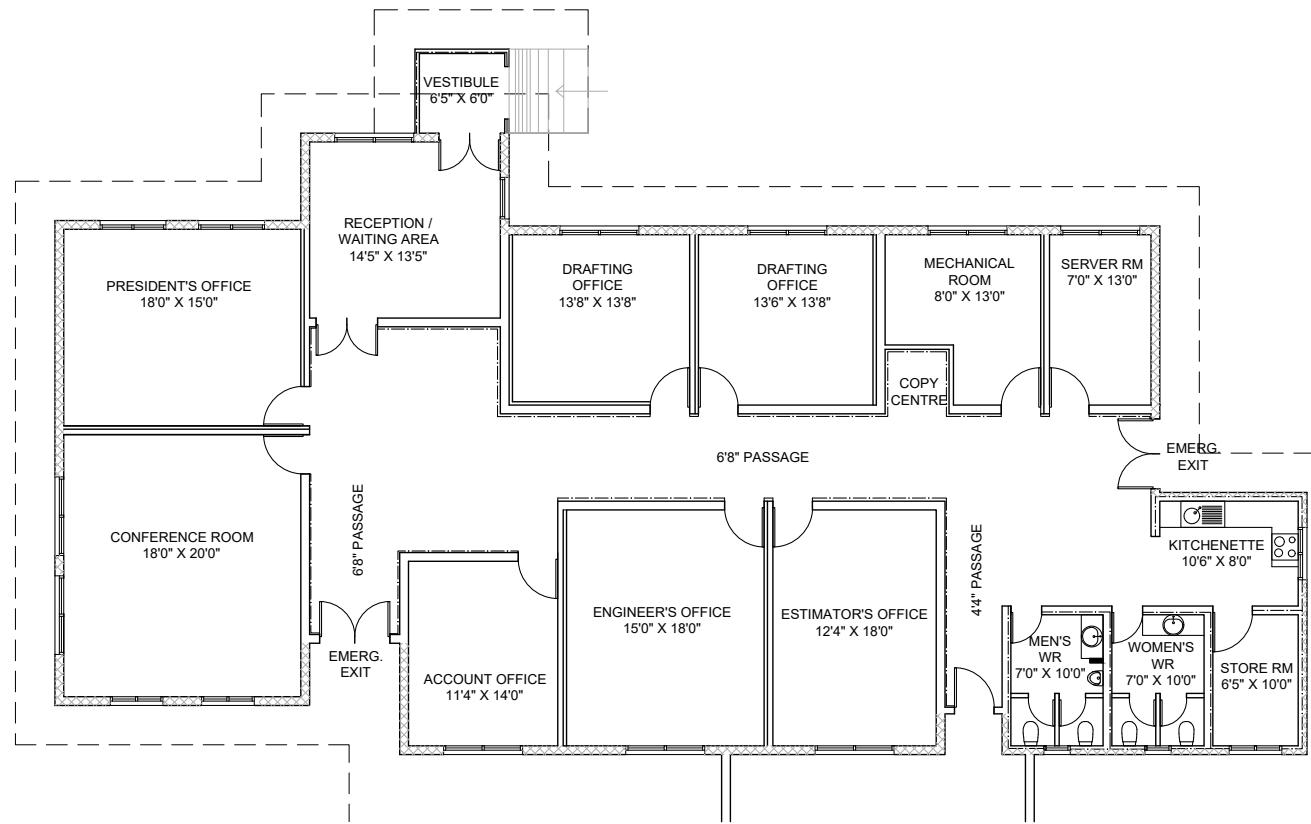


FLOOR PLAN

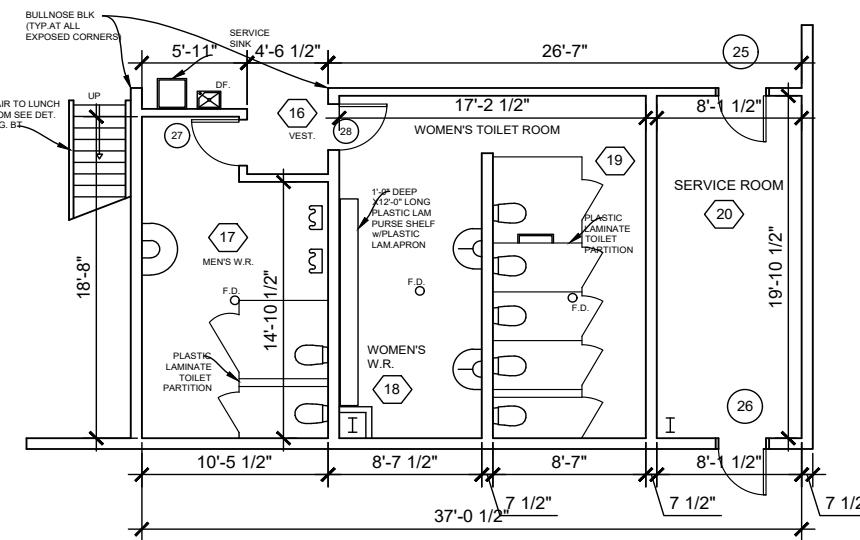
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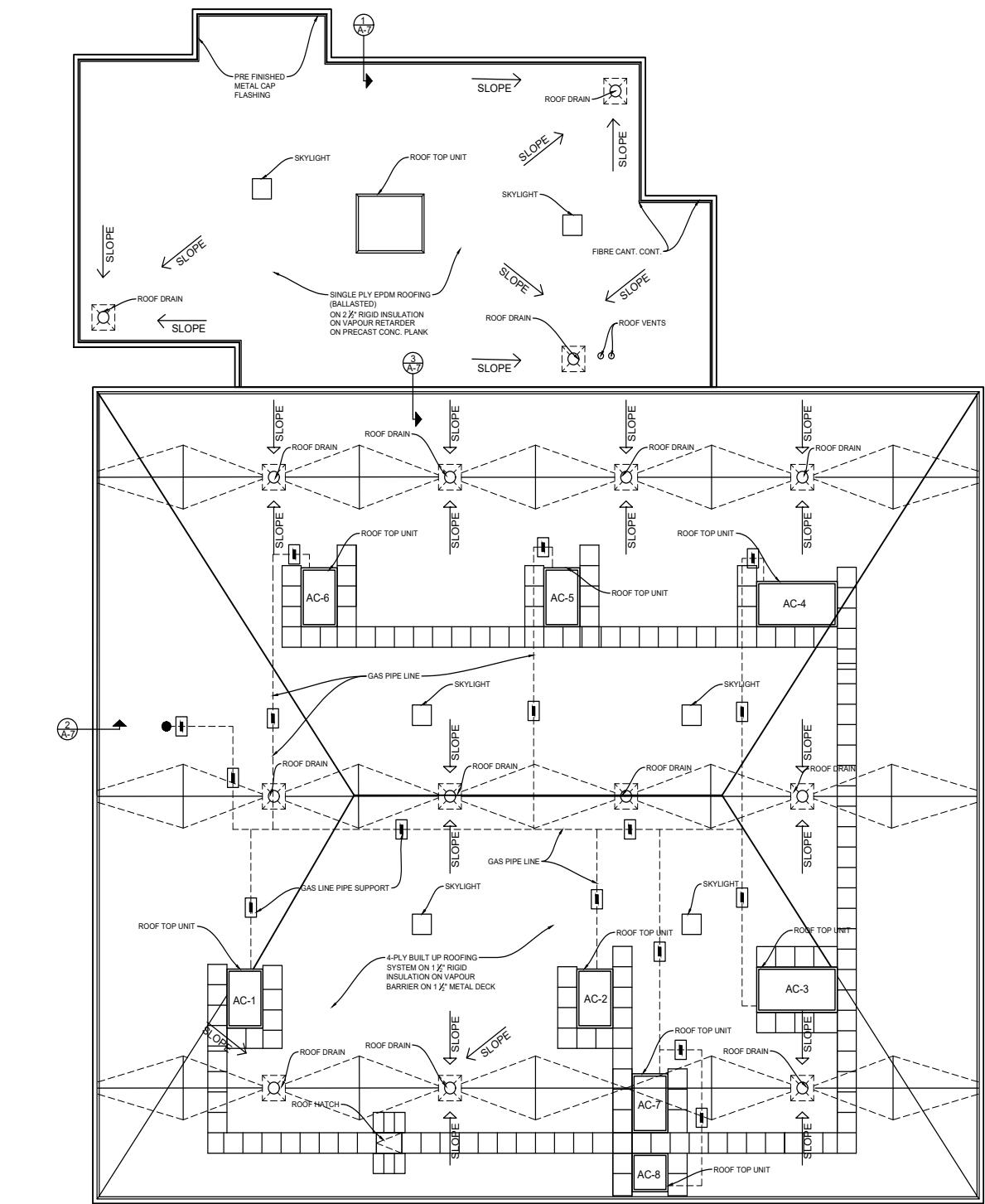
ENLARGE OFFICE FLOOR PLAN



WASHROOM PLAN



ROOF PLAN

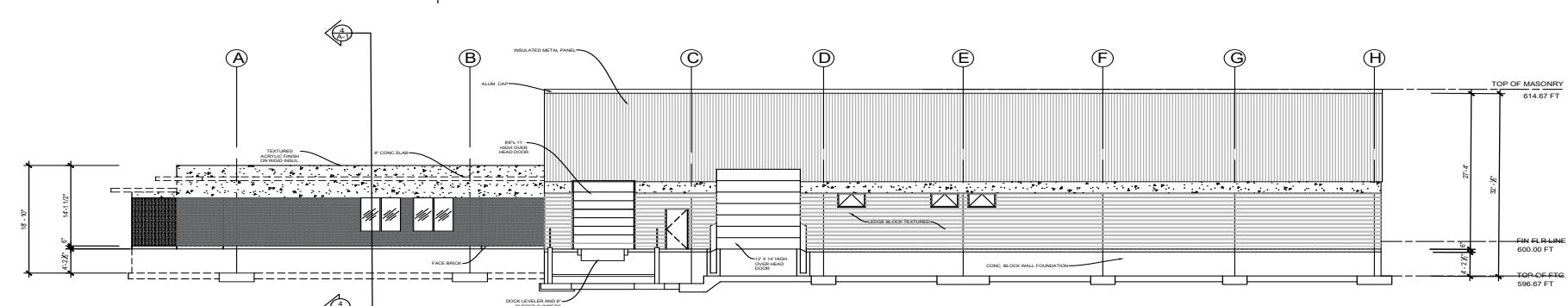
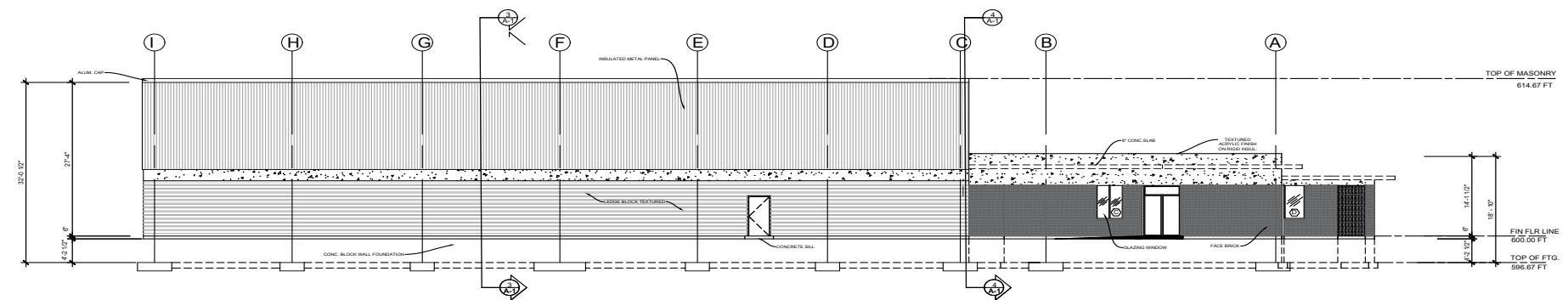
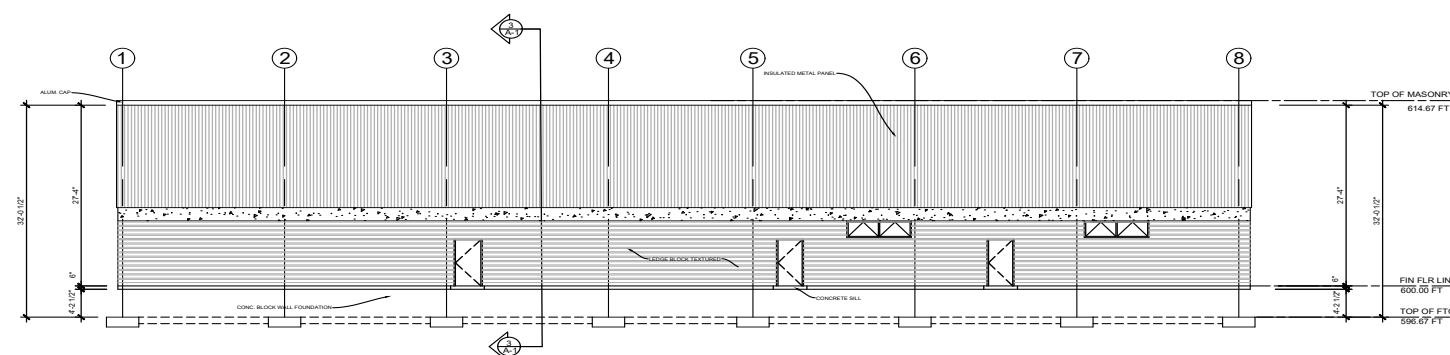
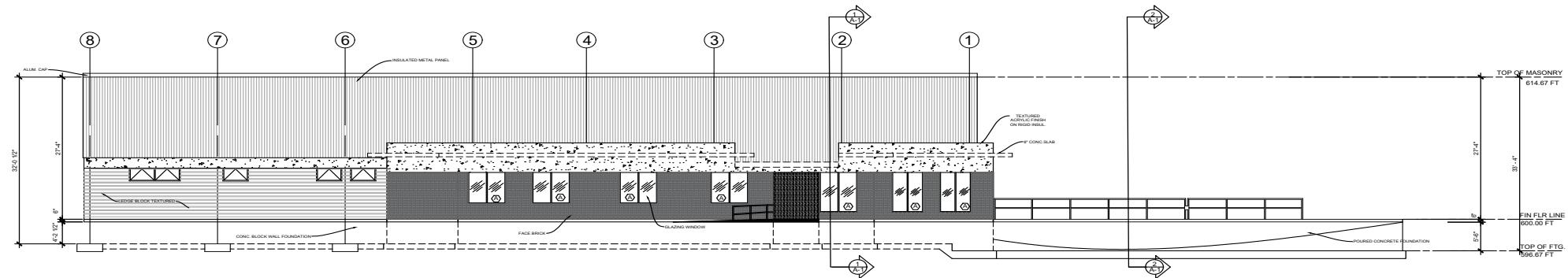


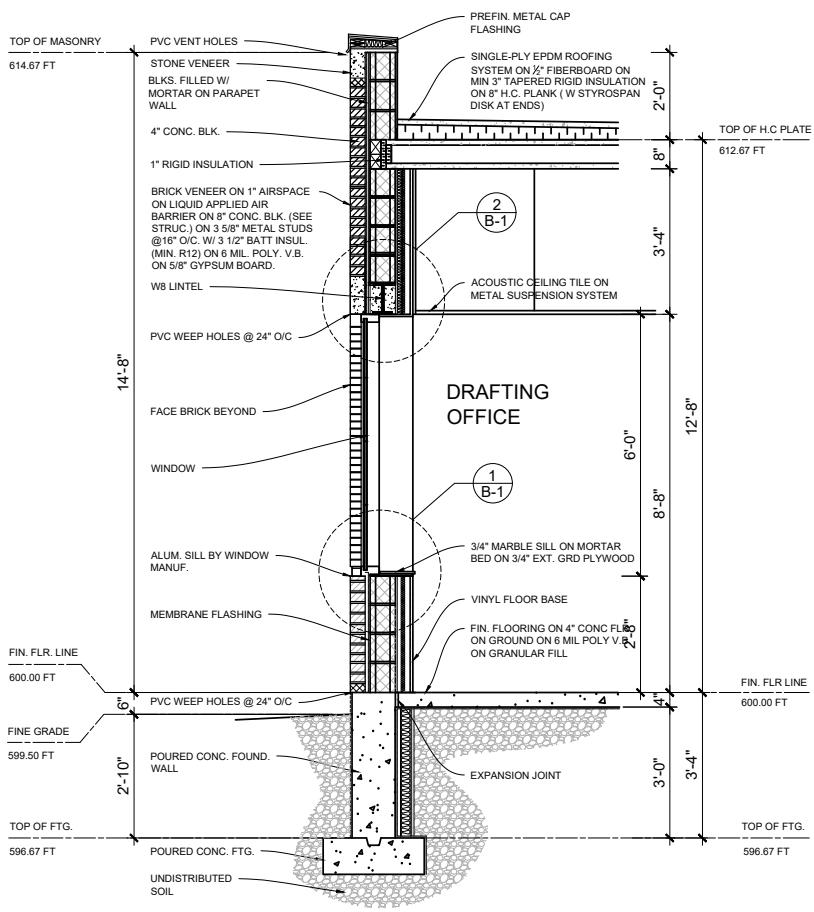
SOUTH

NORTH

WEST

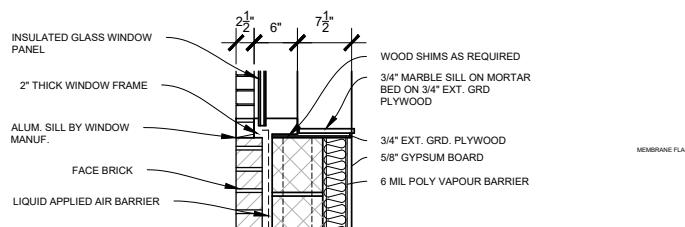
EAST



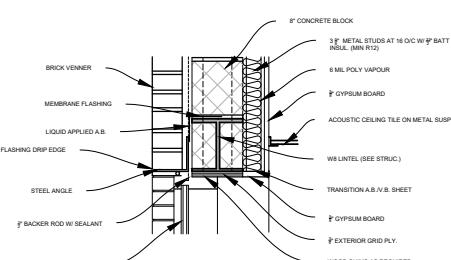


OFFICE WALL SECTION THROUGH WINDOW

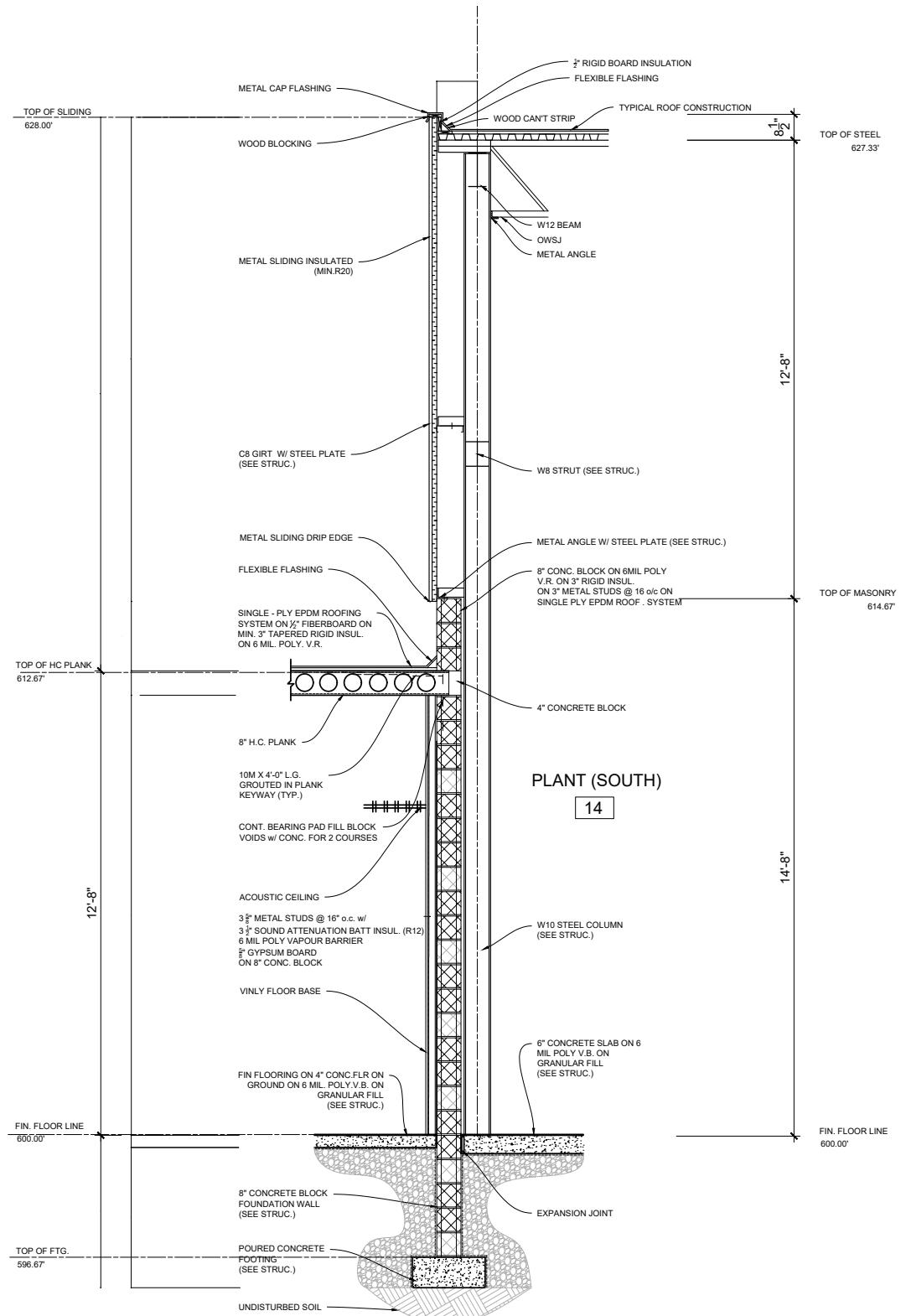
SCALE: 1/2" = 1'-0"



SILL DETAIL



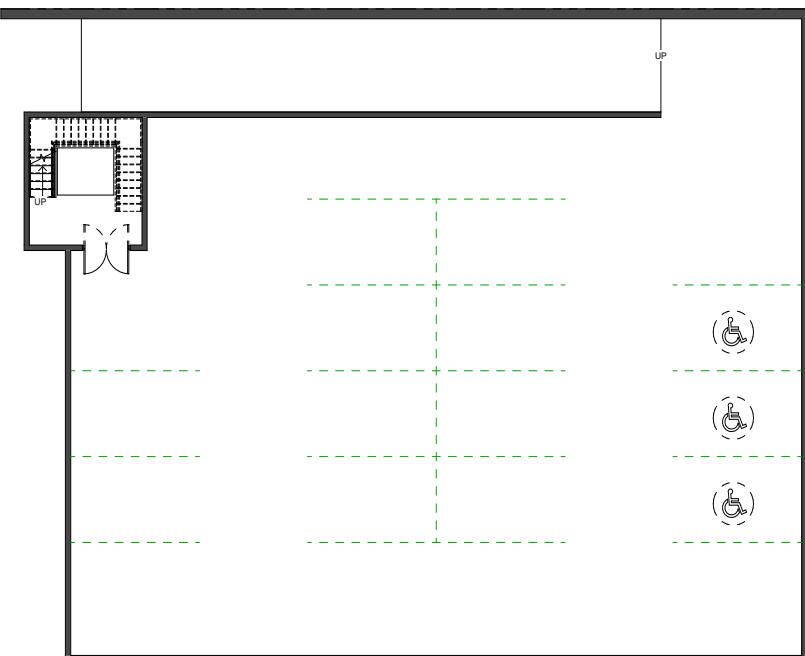
WINDOW HEADER



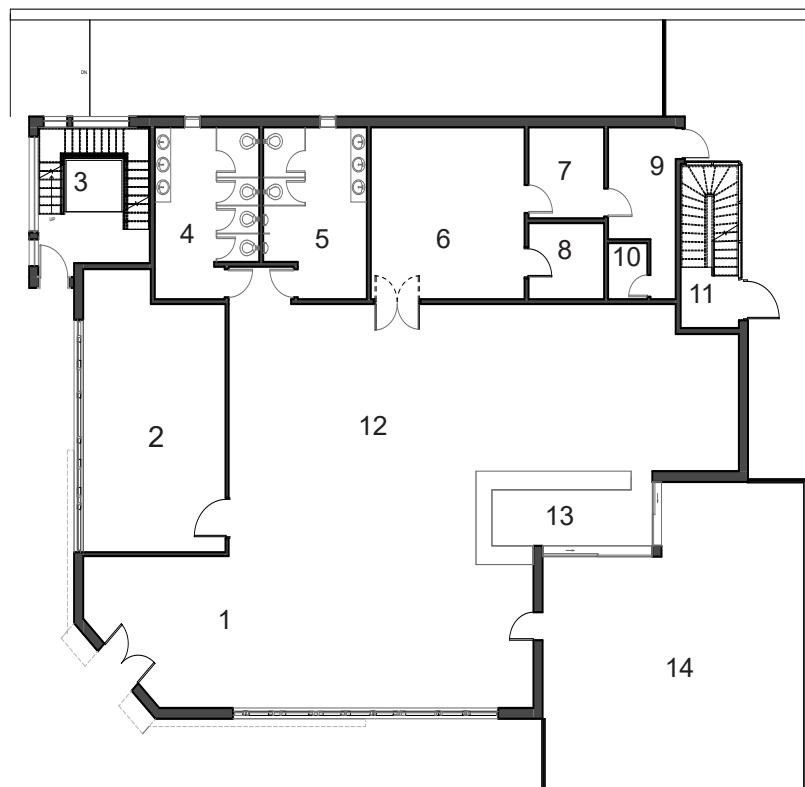
OFFICE & PLANT WALL SECTION

A-1 SCALE: 1/2" = 1'-0"

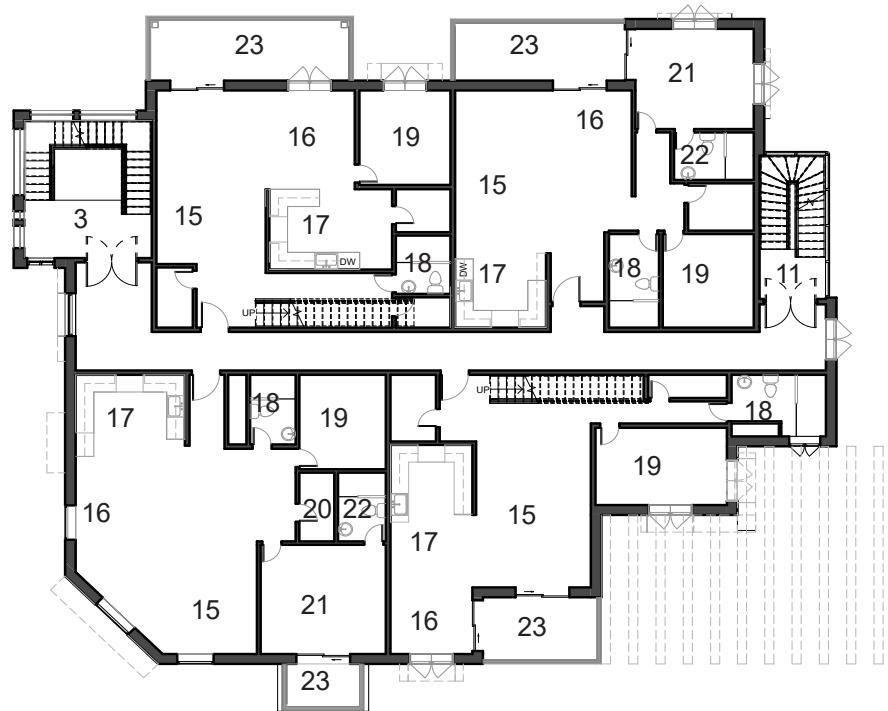
CONCEPT :- THE PLANNED PROPOSAL WAS FOR A FIRST-FLOOR RESTAURANT AND A TWO-STORY RESIDENTIAL BUILDING WITH BARRIER-FREE ACCESS AND PARKING IN THE BASEMENT. THIS PROPERTY IS LOCATED AT 1706 WYANDOTTE STREET EAST. THE TOWN OF OLD WALKERVILLE PLACES A STRONG EMPHASIS ON WALKABILITY, WHICH WAS ALSO A MAJOR CONSIDERATION IN THIS DESIGN. THESE FLOOR DESIGNS DEPICT A RESTAURANT THAT IS BOTH INTERACTIVE WITH THE STREET AND EASY TO CONSTRUCT. TO MATCH OUR STRUCTURE IN THE OLD WALKERVILLE, WE CHOSE A COMBINATION OF BRICK AND STUCCO, AS MOST OF THE BUILDINGS ARE OF THE OLD TYPE.

SITE PLAN**BASEMENT PLAN**

- | | |
|----|---------------------------|
| 1 | RECEPTION |
| 2 | FORMAL SEATING |
| 3 | MAIN STAIRCASE CABIN |
| 4 | FEMALE WASHROOM |
| 5 | MALE WASHROOM |
| 6 | KITCHEN |
| 7 | STORE ROOM |
| 8 | WALK-IN-COOLER |
| 9 | UTILITY ROOM |
| 10 | OFFICE |
| 11 | SECONDARY STAIRCASE CABIN |
| 12 | INFORMAL SEATING |
| 13 | INDOOR/OUTDOOR BAR |
| 14 | OUTDOOR PATIO |

1ST FLOOR PLAN

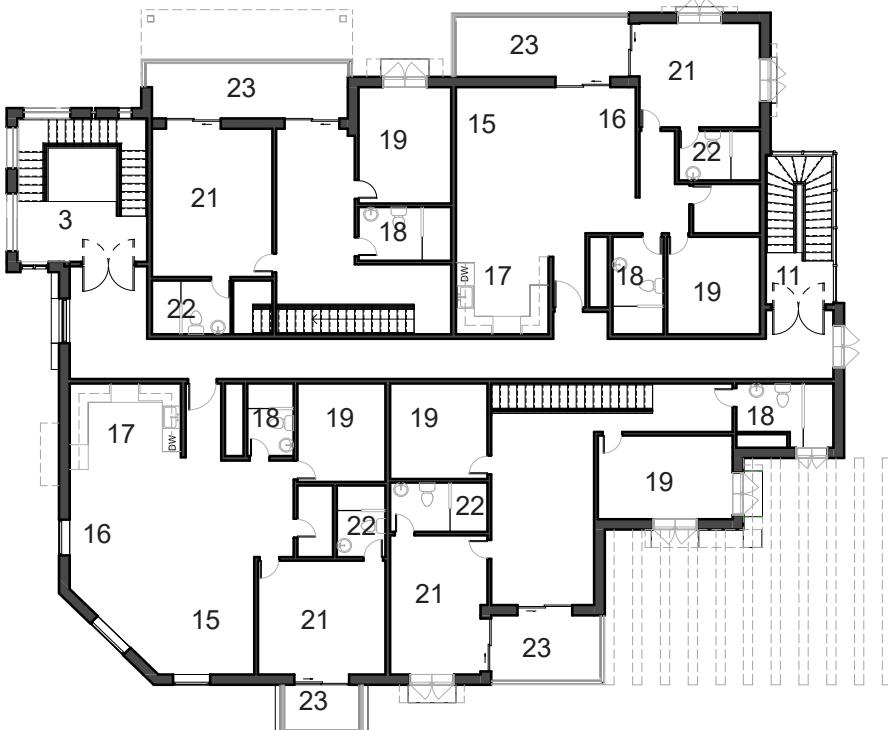
2ND FLOOR PLAN



- 3 MAIN STAIRCASE CABIN
- 11 SECONDARY STAIRCASE CABIN
- 15 LIVING AREA
- 16 DINNING AREA
- 17 KITCHEN
- 18 COMMON BATHROOM
- 19 BEDROOM 1
- 20 LAUNDRY ROOM
- 21 MASTER BEDROOM
- 22 MASTER BATHROOM
- 23 BALCONY



3RD FLOOR PLAN

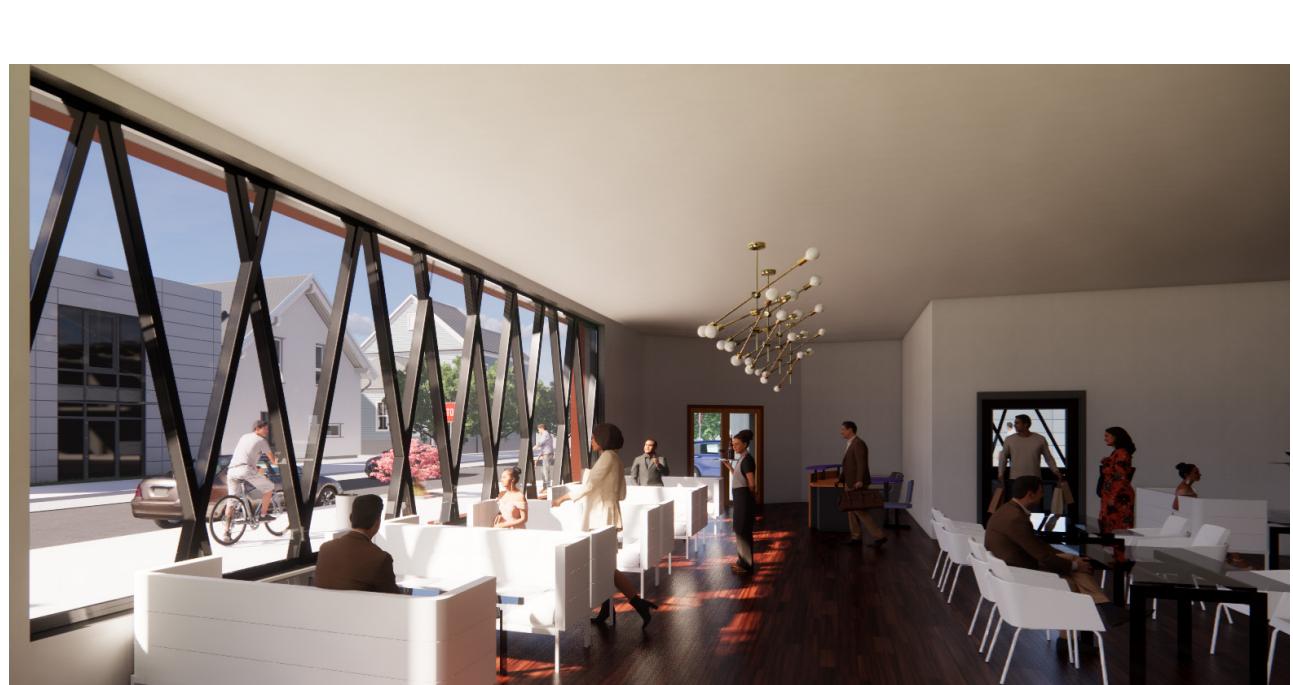


0 3 6 9





THE RESTAURANT CAN ACCOMMODATE 400 PERSONS. THE RESTAURANT FEATURES AN OPEN BAR THAT SERVES BOTH INSIDE AND OUTSIDE THE RESTAURANT, THEREFORE THE OPEN IDEA OF THE BAR DRAWS MORE PEOPLE TO THE PREMISES. THERE ARE FORMAL AND INFORMAL DINING AREAS IN THE RESTAURANT. IT ALSO FEATURES AN OUTDOOR PATIO WHERE YOU MAY DINE.



A FOUR-UNIT APARTMENT IS LOCATED IN A MIXED-USE BUILDING. TWO OF THEM ARE PENTHOUSES, AND THE OTHER TWO ARE TWO-BEDROOM APARTMENTS. LIVING ROOM, KITCHEN, DINING ROOM, STORAGE, COMMON WASHROOM, BALCONY, 1 BEDROOM, AND 1 MASTER BEDROOM WITH ATTACHED BATHROOM ARE ALL INCLUDED IN THIS 2 BEDROOM APARTMENT.



ON THE FIRST FLOOR, THE PENTHOUSE FEATURES A LIVING ROOM, STORAGE, KITCHEN, DINING AREA, BALCONY, COMMON BATHROOM, AND ONE BEDROOM, WHILE THE SECOND FLOOR HAS A LOBBY AREA, BALCONY, ONE MASTER BEDROOM WITH MASTERTBATHROOM, ANOTHER BEDROOM, AND A COMMON BATHROOM.

TRANSIT WINDSOR

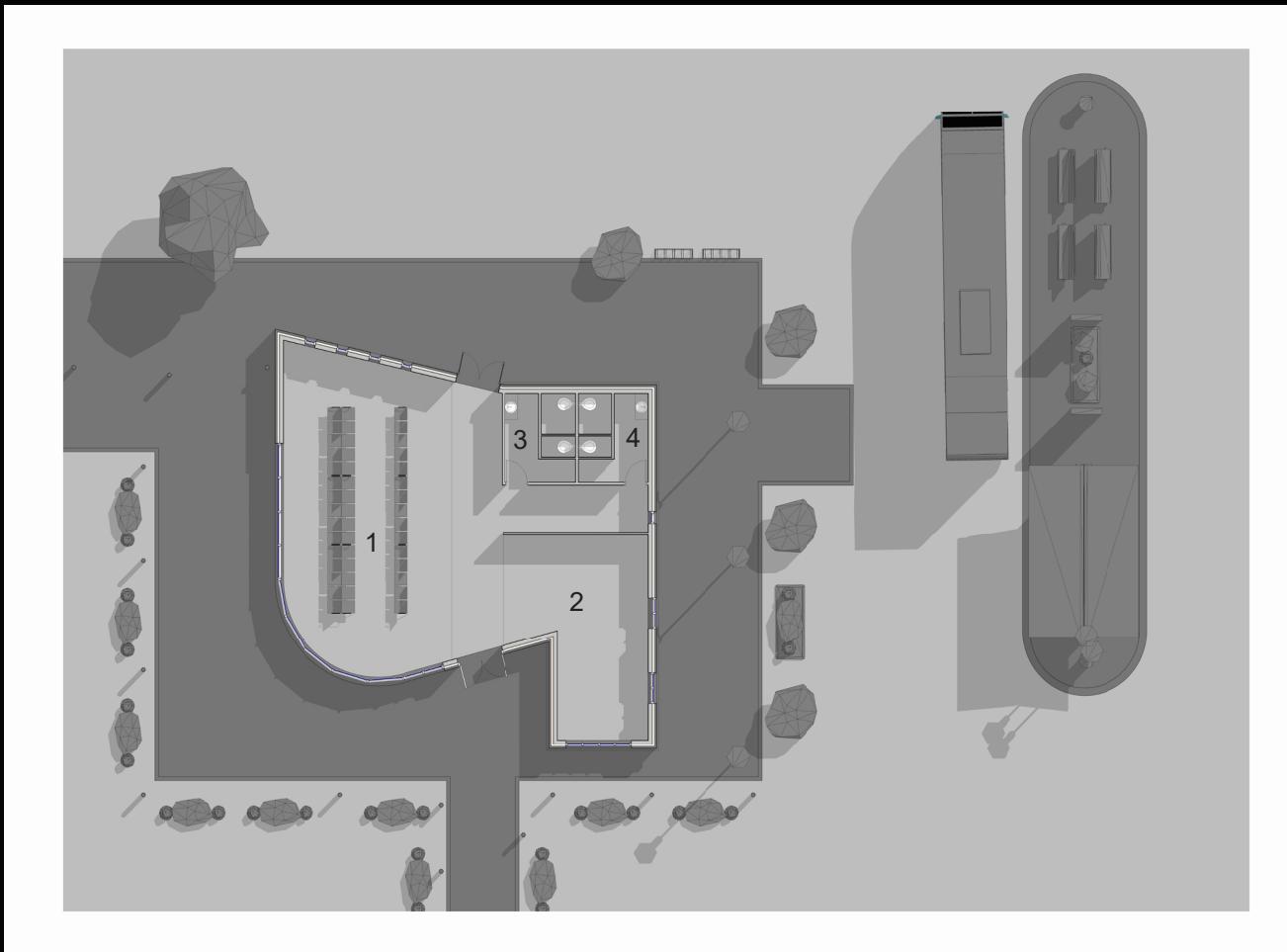
PROJECT YEAR :- 2022

SEMESTER :- 6

PROJECT LOCATION :- WINDSOR, ON

5

CONCEPT :- A NEW BUS DEPARTMENT NEAR THE WFCU ARENA IS REQUIRED AS A RESULT OF TRANSIT WINDSOR EXPANSION. THE NEW BUS STOP WILL BE AT THE INTERSECTION OF MCHUGH STREET AND LUZON RD. THE BUS DEPOT DESIGN INCLUDES DISTINCT AREAS SUCH AS A WAITING AREA FOR BUS PASSENGERS, A SEATING AREA FOR A MINIMUM OF 30 PEOPLE, AND A CONVENIENCE STORE AND WASHROOM.



1 WAITING AREA

2 CONVENIENCE STORE

3 WOMEN'S WASHROOM

4 MEN'S WASHROOM

0 5 10 15



WALKERVILLE

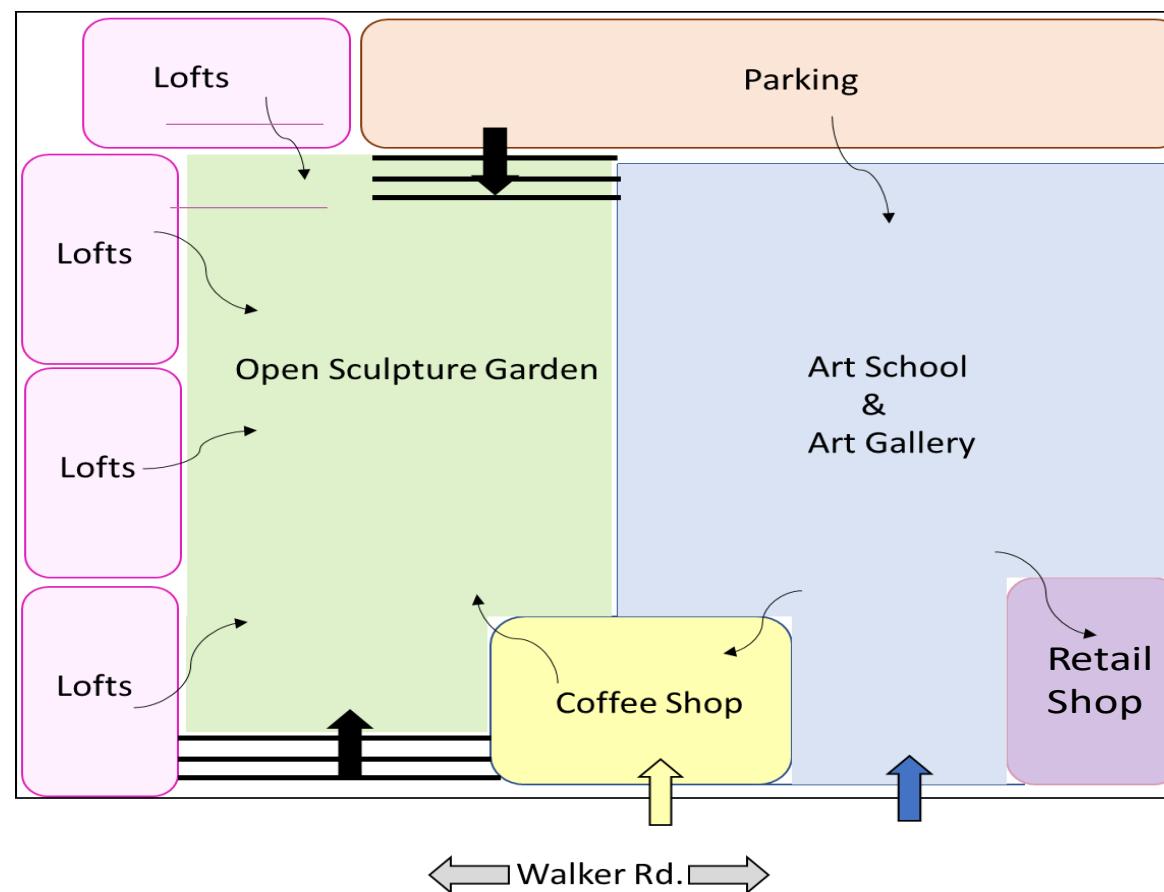
PROJECT YEAR :- 2022

SEMESTER :- 6(GROUP PROJECT)

PROJECT LOCATION :- WINDSOR, ON

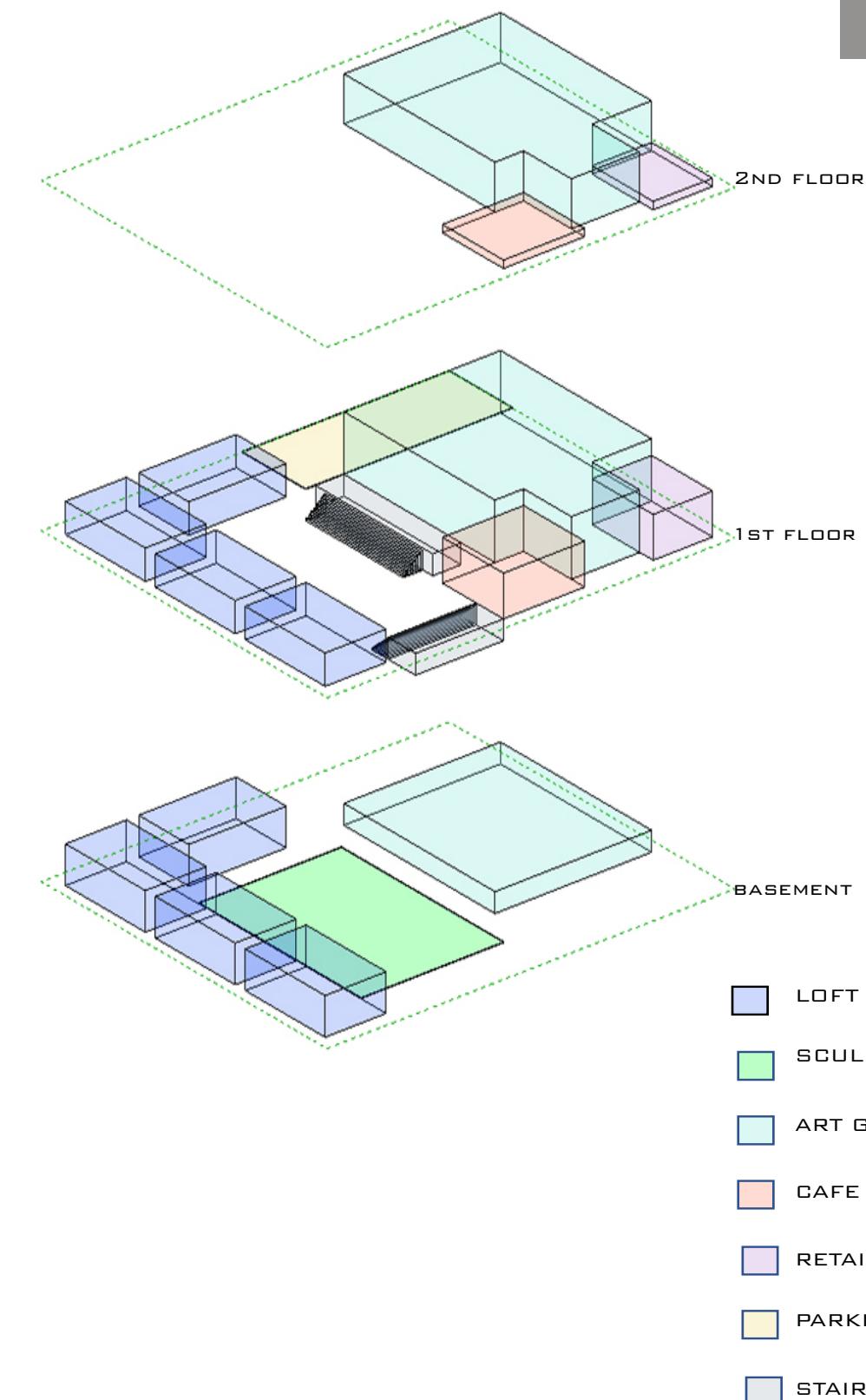
CONCEPT :- THE PROJECT IS FOR A THREE-STORY MIXED-USE BUILDING ON THE WEST SIDE OF WALKER ROAD IN WINDSOR, WITH EDNA AS THE CLOSEST CROSS STREET. 825 WALKER RD IS THE ADDRESS. THE CHALLENGE IS TO BUILD A RETAIL SPACE WITH A COFFEE SHOP ON THE GROUND LEVEL, AN ART GALLERY AND ART SCHOOL ABOVE THAT, AND FOUR APARTMENTS WITH DIFFERENT LAYOUTS ABOVE THAT. FIT WITH THE NEIGHBORHOOD'S PHYSICAL AND CULTURAL DEMOGRAPHICAL SURROUNDINGS. THE BUILDING WILL HAVE A FRONTAGE ON WALKER ROAD, WITH ALL PARKING IN THE BACK. IN ORDER TO INFLUENCE CHANGE IN HOW PEOPLE AND AUTOMOBILES INTERACT. THE SITE IS LOCATED IN BETWEEN INDUSTRIAL AND RESIDENTIAL AREA SO TO MATCH THE SURROUNDRING AREA MATERIAL'S WE USED BRICK , GLASS AND METAL CLADDING .

SCHEMETIC PLAN

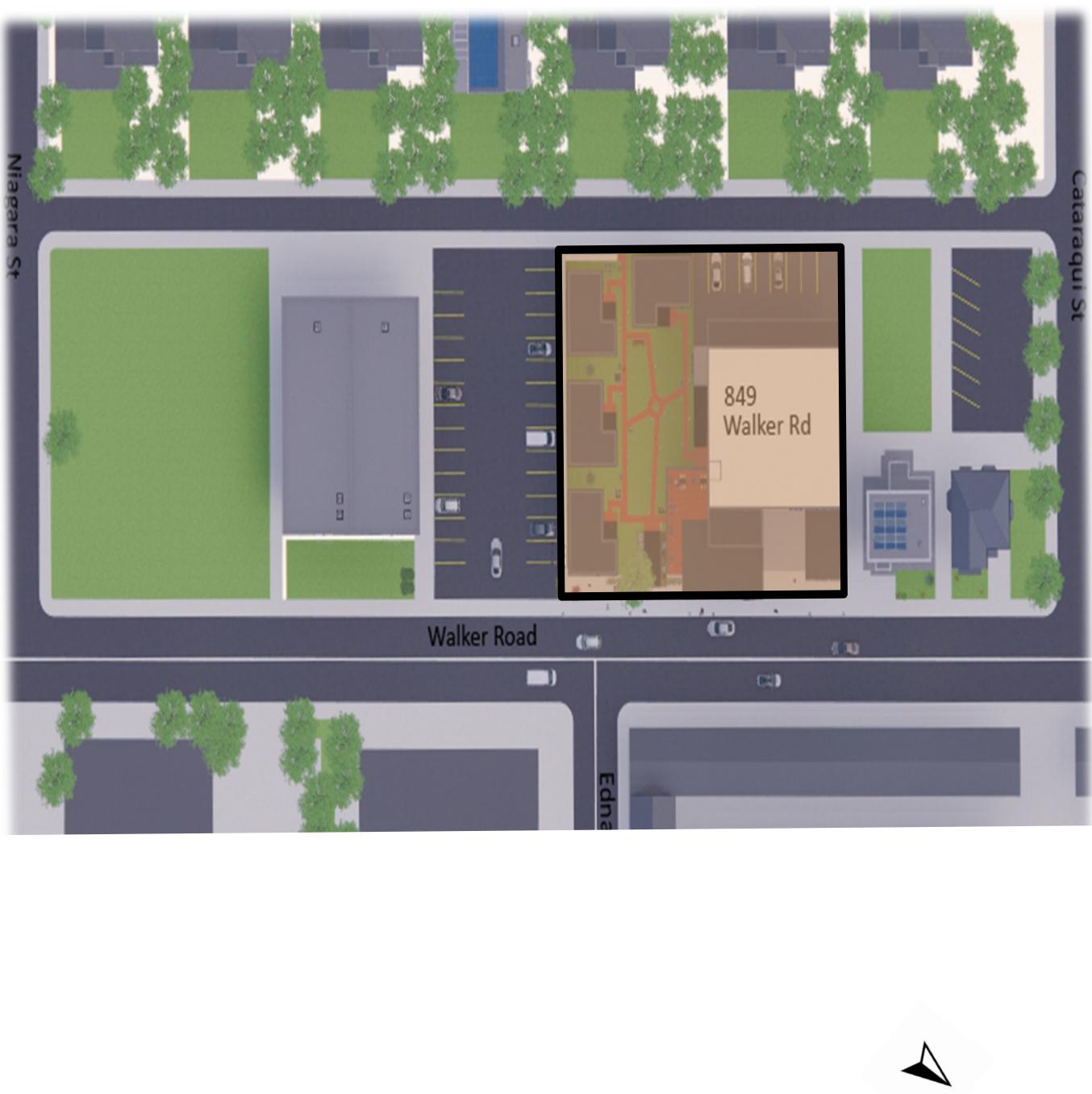


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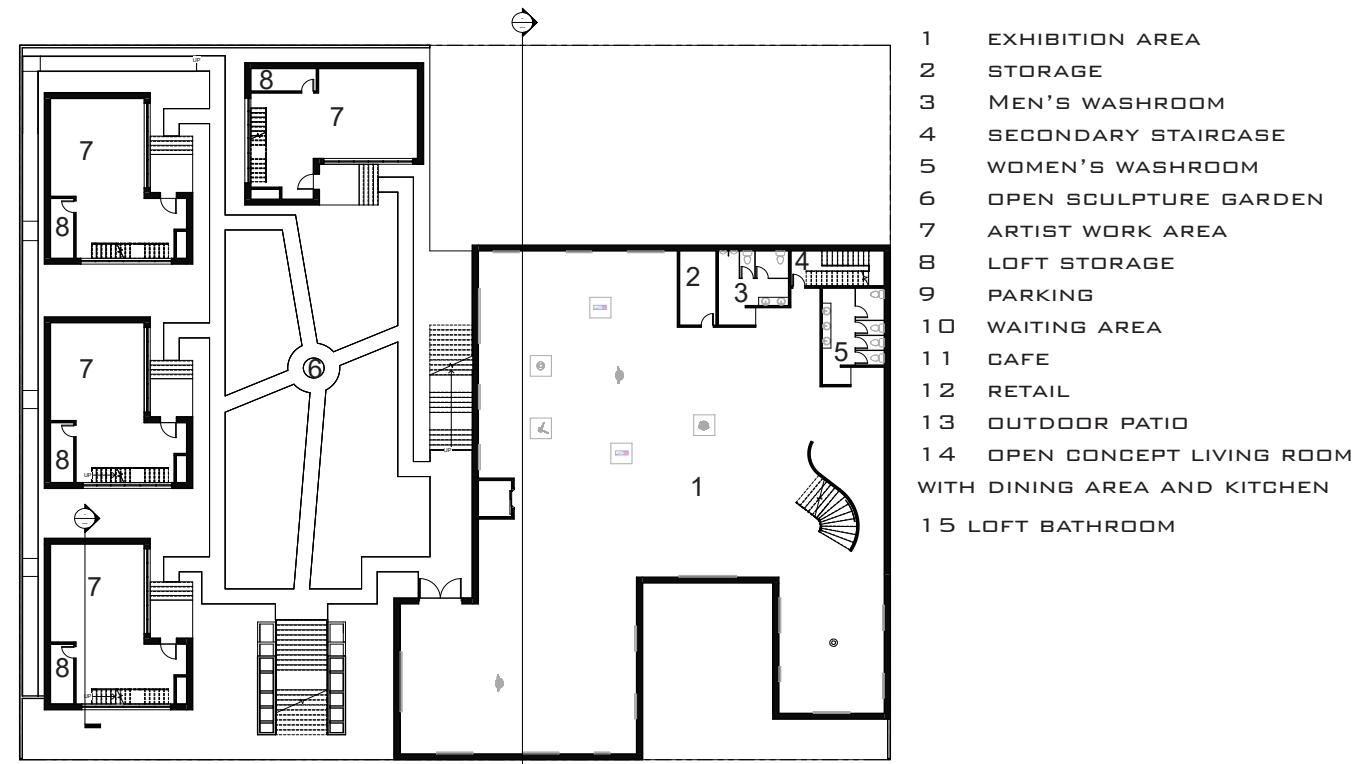
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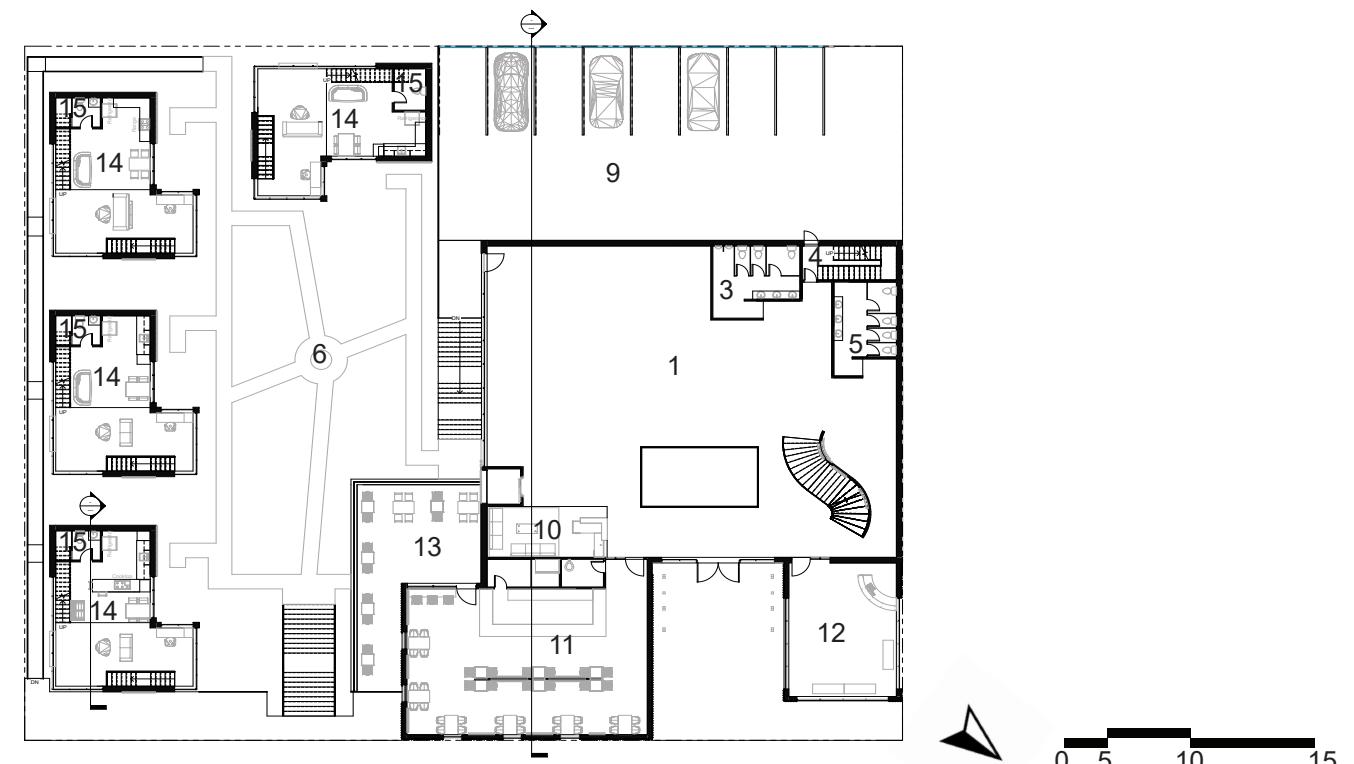
SITE PLAN



BASEMENT PLAN



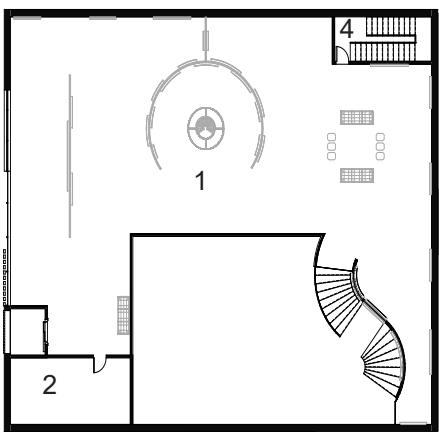
1ST FLOOR PLAN



2ND FLOOR PLAN



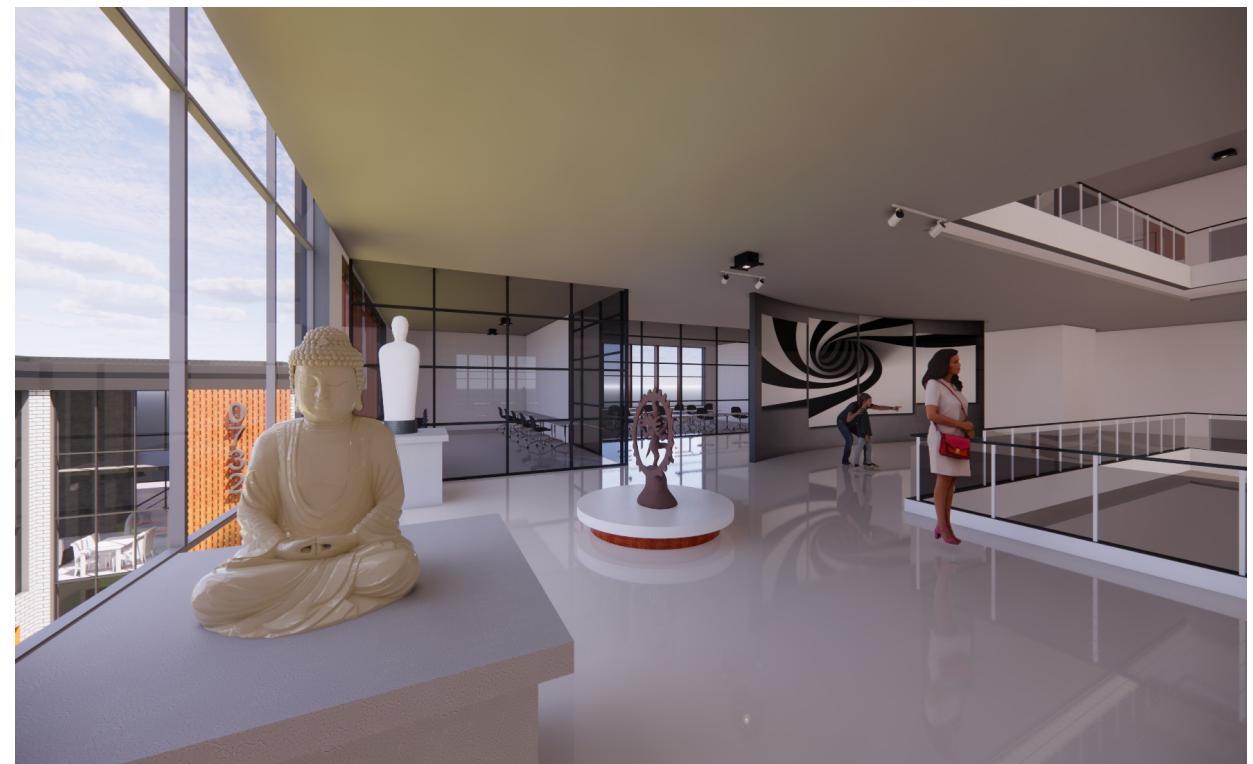
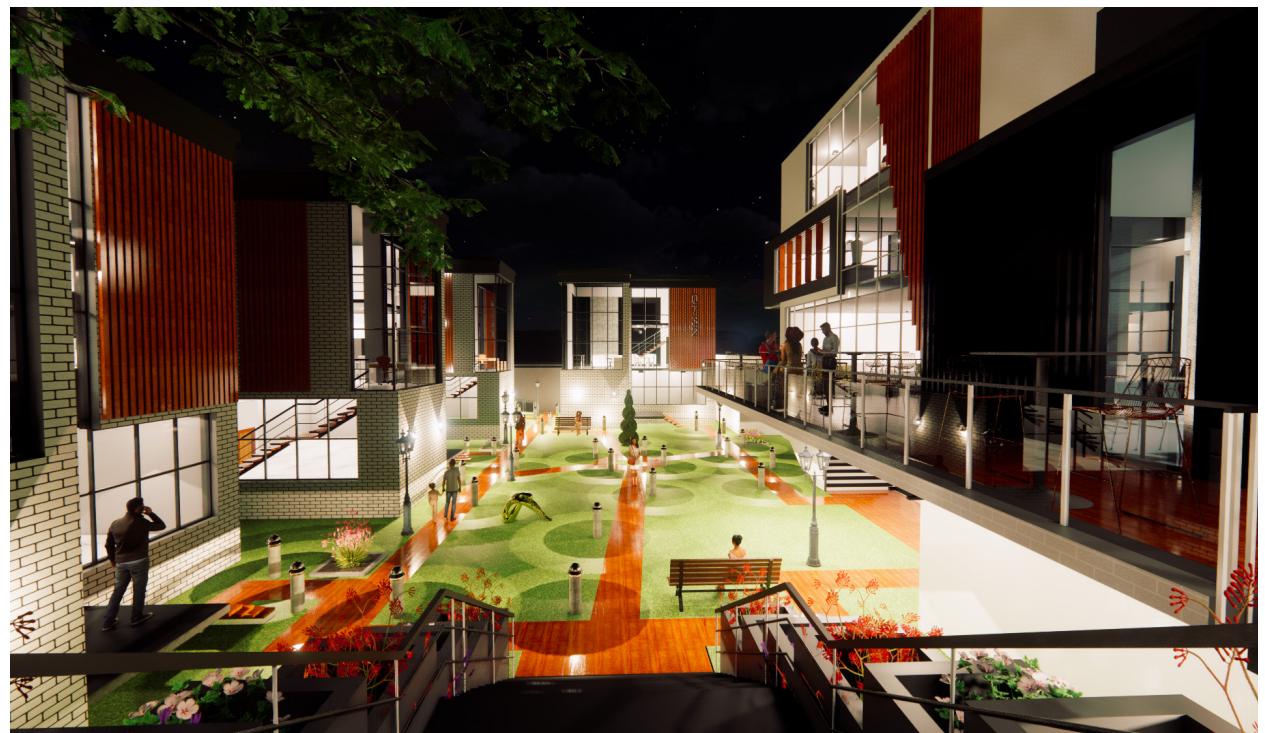
3RD FLOOR PLAN



- 1 EXHIBITION AREA
- 2 STORAGE
- 3 MEN'S WASHROOM
- 4 SECONDARY STAIRCASE
- 5 WOMEN'S WASHROOM
- 6 OPEN SCULPTURE GARDEN
- 7 ARTIST WORK AREA
- 8 LOFT STORAGE
- 9 PARKING
- 10 WAITING AREA
- 11 CAFE
- 12 RETAIL
- 13 OUTDOOR PATIO
- 14 OPEN CONCEPT LIVING ROOM WITH DINING AREA AND KITCHEN
- 15 LOFT BATHROOM
- 16 ART SCHOOL
- 17 LOFT BEDROOM

0 3 6 9







URBAN RENEWAL

PROJECT YEAR :- 2021

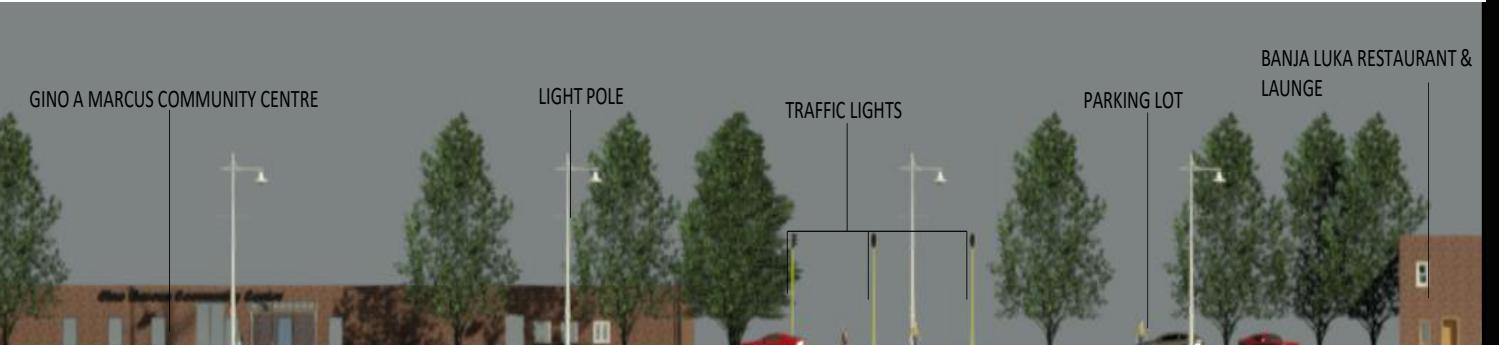
SEMESTER :- 5(GROUP PROJECT)

PROJECT LOCATION :- DROUILLARD ROAD DISTRICT/ FORD CITY , WINDSOR, ON

CONCEPT :- FOR OUR ENVIRONMENTAL DESIGN PROJECT ON THE DOUILLARD ROAD DISTRICT, WE KNEW THAT WE HAD A COUPLE OF MAIN IDEAS TO FOCUS ON THAT WERE IMPORTANT TO THIS AREA. FIRST OF ALL, FORD CITY IS IN A HISTORIC DISTRICT FOR WINDSOR. OVER THE PAST ONE HUNDRED YEARS, THE CAR INDUSTRY HAS SHAPED THIS CITY, AND PROVIDED AN EMPLOYER TO HELP THE CITY GROW AND BECOME WHAT IT IS. THE FORD CITY ARCH IS A MONUMENT TO HONOUR THIS HISTORY. WE HAVE ALSO INCLUDED A TRAFFIC CIRCLE IN THIS AREA TO SLOW TRAFFIC DOWN TO LOOK AT THE AREA, AND HELP WITH PEDESTRIAN CROSSINGS. IN THE PARK, WE HAVE ADDED A SCULPTURE PARK AND PROVIDED AN OUTDOOR CONCERT STAGE TO GIVE PEOPLE A DESTINATION, AND CREATE MEMORIES. THE SCULPTURE PARK WILL BE OPEN YEAR AROUND AND WE HOPE TO ADD IN INTERESTING SCULPTURE'S BUT ALSO THE MINI METAL CAR SCULPTURES THAT ARE POPULAR AROUND WINDSOR TO REPRESENT THE CITY. WE HAVE ALSO ADDED BLEACHERS TO HELP SPECTATOR'S FEEL COMFORTABLE DURING THE MANY SOCCER GAMES THAT ARE PLAYED HERE. IN THE FUTURE, A PUBLIC WASHROOM COULD BE ADDED NEAR THE SPLASH PAD AND PARK IN THE BACK OF THE PARK TO PROVIDE COMFORT FOR VISITORS TO THIS AREA. ALONG THE SCULPTURE PARK PATH, AND ALONG DOUILLARD STREET, WE HAVE ADDED MORE STREET LIGHTS, BENCHES, AND BUS SHELTERS TO PROVIDE THE AREA WITH A MORE PEDESTRIAN FRIENDLY/ SAFE ATMOSPHERE. A NEW BUS DEPOT AND PARKING, HAS BEEN ADDED IN A LITTLE PATCH OF LAND NEAR THE TRAIN TRACKS TO PROVIDE VISITORS TO THIS AREA FOR PERHAPS AN OUTDOOR CONCERT OR FESTIVAL WITH AMPLE PARKING AND TRANSPORTATION SERVICES. MORE PUBLIC PARKING HAS ALSO BEEN ADDED ACROSS THE STREET TO PROVIDE PARKING FOR THIS AREA. OUR INFILL BUILDING, THE DOUILLARD BOOKSTORE IS A NEW LIBRARY AND CITY LOCATION THAT WILL BE RUN AS A FREE PUBLIC DESTINATION WITH CHILDREN'S WALK-IN PROGRAMS. THERE WILL BE A PROGRAMS FOR YOUNG KIDS UNDER FIVE NOT IN SCHOOL DURING THE DAY, AND AN AFTER SCHOOL PROGRAM CONNECTED TO THE GINO MARCUS AFTER SCHOOL PROGRAM. THIS IS FOR KIDS TO HANG OUT AT THE CAFÉ, AND MEET, BUY AND READ BOOKS IN A SAFE ENVIRONMENT. THIS INFILL BUILDING WE HAVE DESIGNED IS LOCATED ACROSS KITTY CORNER FROM THE GINO MARCUS COMMUNITY CENTER. WE HAVE ALSO ADDED A BIKE LANE ON EITHER SIDE OF THE MAIN STREET OF DOUILLARD ROAD TO CATER TO PEDESTRIANS IN THIS AREA. LASTLY, THE BOOKSTORE AND CAFÉ WILL BE OPEN IN THE EVENINGS AS WELL, FOR THE COFFEE CROWD, AND HAS SPACE FOR SMALL EVENTS AND BOOK READINGS. PUBLIC PARKING IS LOCATED AT THE BOOKSTORE AND AT GINO MARCUS COMMUNITY CENTER FOR THIS AREA, AS WELL AS DOWN THE STREET NEAR THE PARK. WE HOPE ALL OF THESE THINGS ENCOURAGE THE COMMUNITY TO FEEL SAFE IN THIS AREA AGAIN, AND USE THESE SPACES TO INCREASE OUR WINDSOR CULTURE. THE CAFÉ WILL ALSO BE WELCOME TO THE BOXING CLUB GYM MEMBERS DOWN THE STREET AS THEY KEEP LATE HOURS. FOR OUR INFILL BOOKSTORE/ LIBRARY WE HOPE TO ATTRACT ALL WALKS OF LIFE TO USE THIS AREA AND BENEFIT FROM IT. HOPEFULLY THIS WILL ALSO ATTRACT MORE BUSINESSES FOR AREA INFILL DEVELOPMENTS AND SHOPS. THE SCULPTURE OF THE ANGEL IN THE TRAFFIC CIRCLE IS DESIGNED AS A LANDMARK BUT ALSO A MEMORIAL TO THE PAST HOLY ROSARY CATHOLIC CHURCH, WHICH EXISTED IN THIS COMMUNITY BY FOR MANY YEARS AND WAS A STAPLE TO THE COMMUNITY.



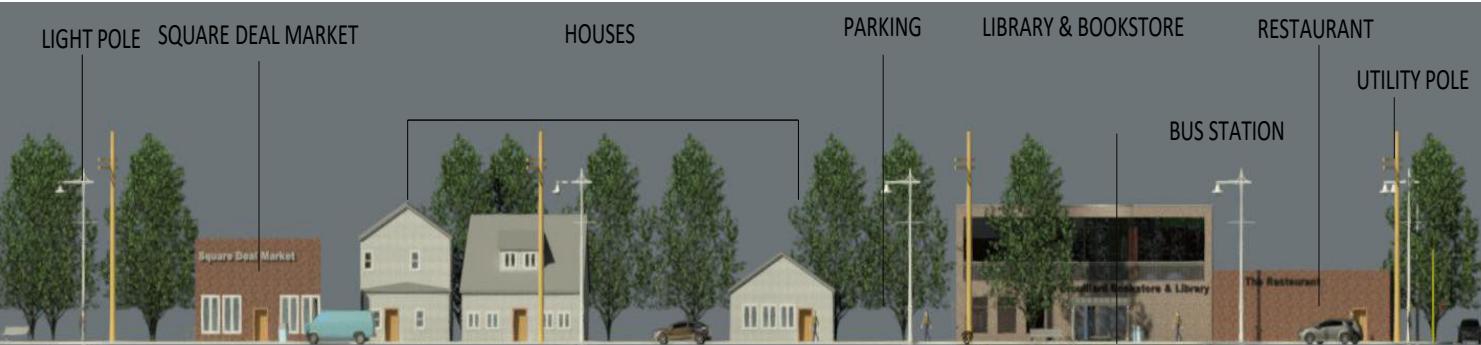
7



TRANSIT BUS DEPOT
NEAR THE SCULPTURE
GRADEN



TRAFFIC CIRCLE &
FORD CENTRE MEMORI-
AL ARCH



TRILLIUM TOWN HALL

PROJECT YEAR :- 2021

SEMESTER :6

PROJECT LOCATION :- ONTARIO

CONCEPT :- A NEW TOWN HAS BEEN FOUNDED IN NORTHERN ONTARIO AS A RESULT OF THE MERGING. THE CONSOLIDATION OF PUBLIC FUNCTIONS INTO A SINGLE NEW TOWN HALL IS PART OF THIS MUNICIPAL RESTRUCTURING. THE TOWN HALL WILL HAVE FOUR DISTINCT PARTS, INCLUDING CHAMBERS FOR THE TOWN COUNCIL AND OFFICES FOR THE MAYOR, DEPUTY MAYOR, AND CHIEF ADMINISTRATIVE OFFICER (CAO). FINANCE, TAXES, AND OTHER BILL-PAYING DEPARTMENTS ARE EXAMPLES OF DEPARTMENTS THAT REQUIRE FREQUENT COMMUNICATION WITH THE GENERAL PUBLIC. DEPARTMENTS WITH LIMITED PUBLIC ENGAGEMENT WHERE CITIZENS CAN APPLY FOR BUILDING PERMITS OR INQUIRE ABOUT ZONING, REGULATIONS, ROADS, PARKS, AND OTHER ISSUES. LOBBIES, CORRIDORS, EXITS, WASHROOMS, AND OTHER CIRCULATION AREAS. THE PROJECT HAS A MODERN AESTHETIC AND IS CONSTRUCTED OF CONCRETE PANELS, METAL PANELS, METAL CLADDINGS, AND GLASS.

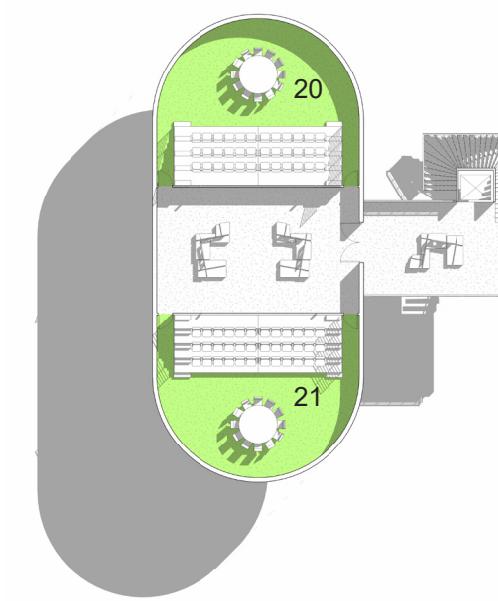
SITE PLAN



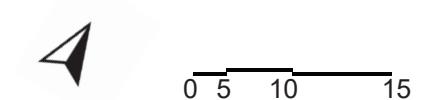
1ST FLOOR PLAN



- FINANCE
- ENGINEERING
- ADMINISTRARTION
- COUNCILE CHAMBERS



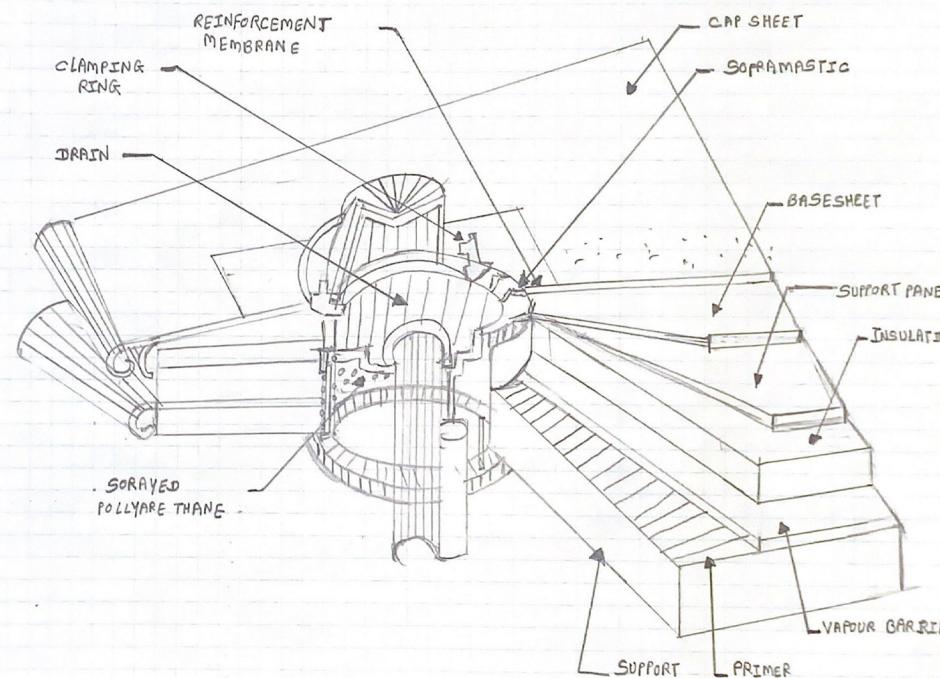
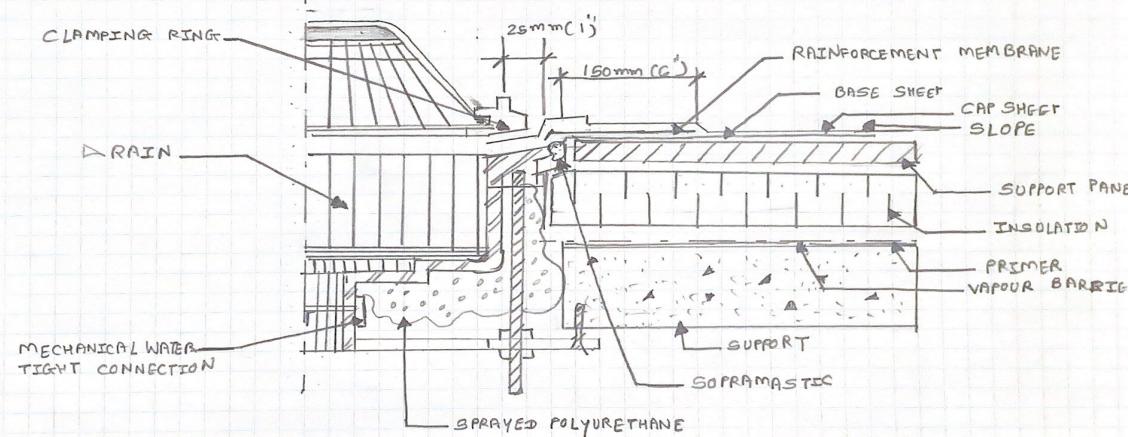
- 1 WAITING AREA
- 2 CLERICAL AREA
- 3 TREASURER'S OFFICE
- 4 FINANCE MEETING ROOM
- 5 STORAGE & JANITOR ROOM
- 6 PUBLIC MEN'S WASHROOM
- 7 PUBLIC WOMEN'S WASHROOM
- 8 STAFF LUNCH ROOM
- 9 ADMIN ASSISTANT
- 10 CONFERENCE ROOM
- 11 CAO's OFFICE
- 12 DEPUTY MAYORS OFFICE
- 13 MAYOR'S OFFICE
- 14 PLAN EXAMINATION OFFICE
- 15 ENGINEERING MEETING ROOM
- 16 CHIEF BUILDING INSPECTOR'S OFFICE
- 17 PUBLIC WORKS ENGINEER
- 18 STAFF WOMEN'S WASHROOM
- 19 STAFF MEN'S WASHROOM
- 20 COUNCIL CHAMBER 1
- 21 COUNCIL CHAMBER 2



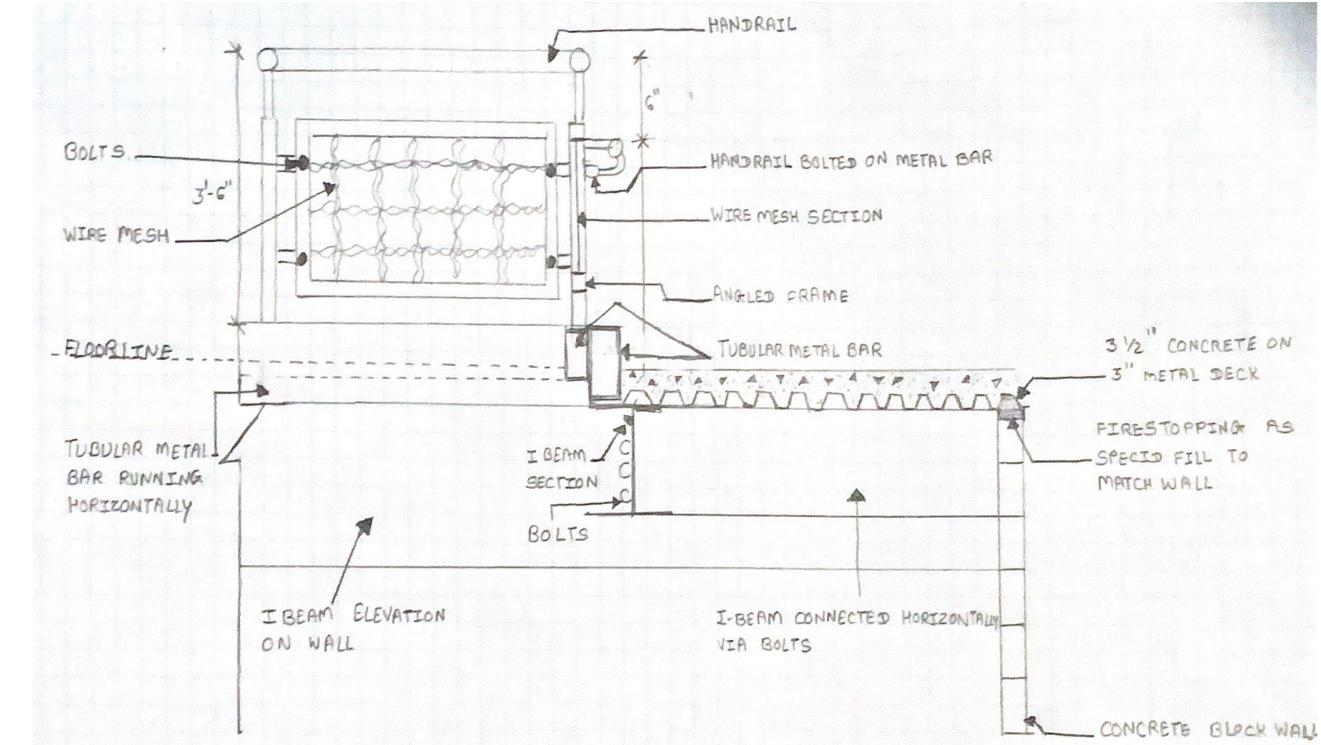


DETAILS

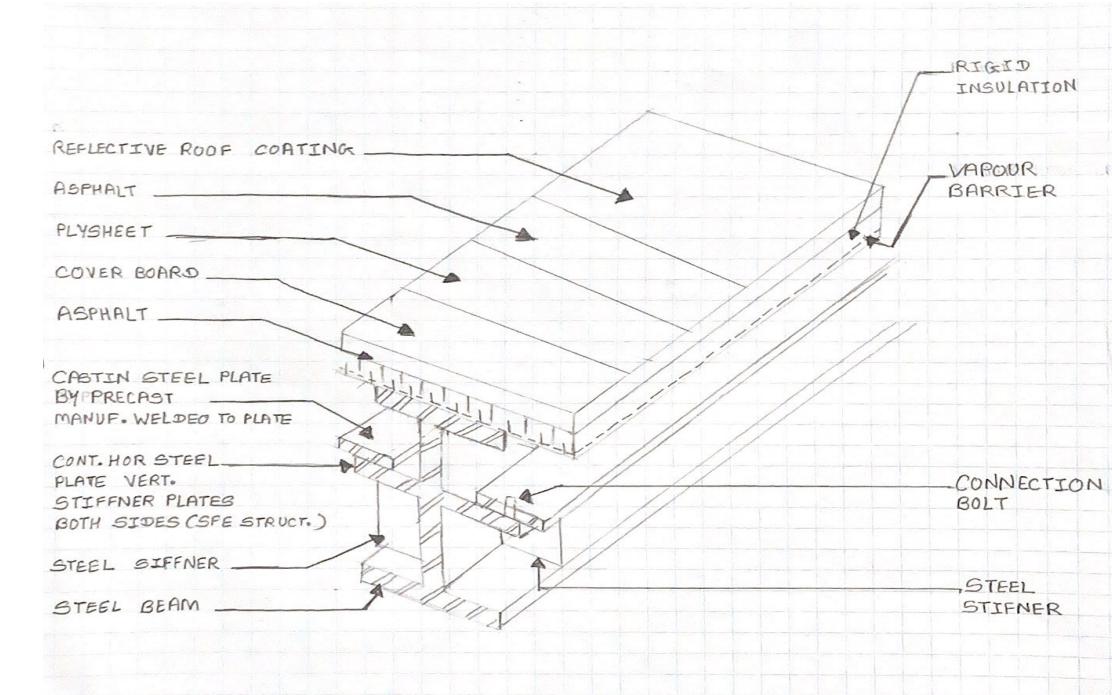
ROOF DRAIN DETAIL



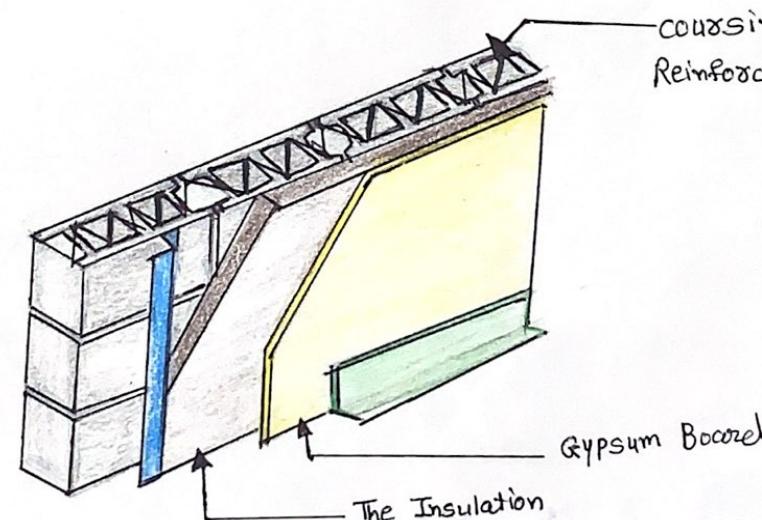
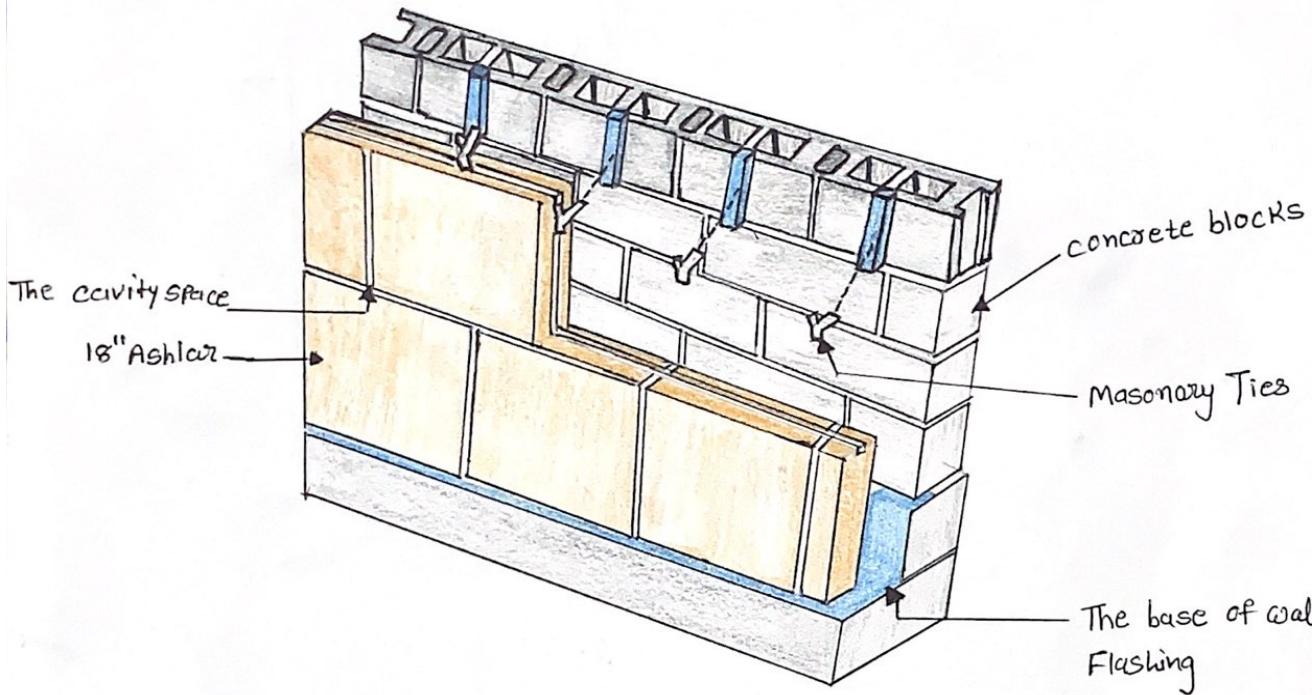
STAIR SECTION DETAIL



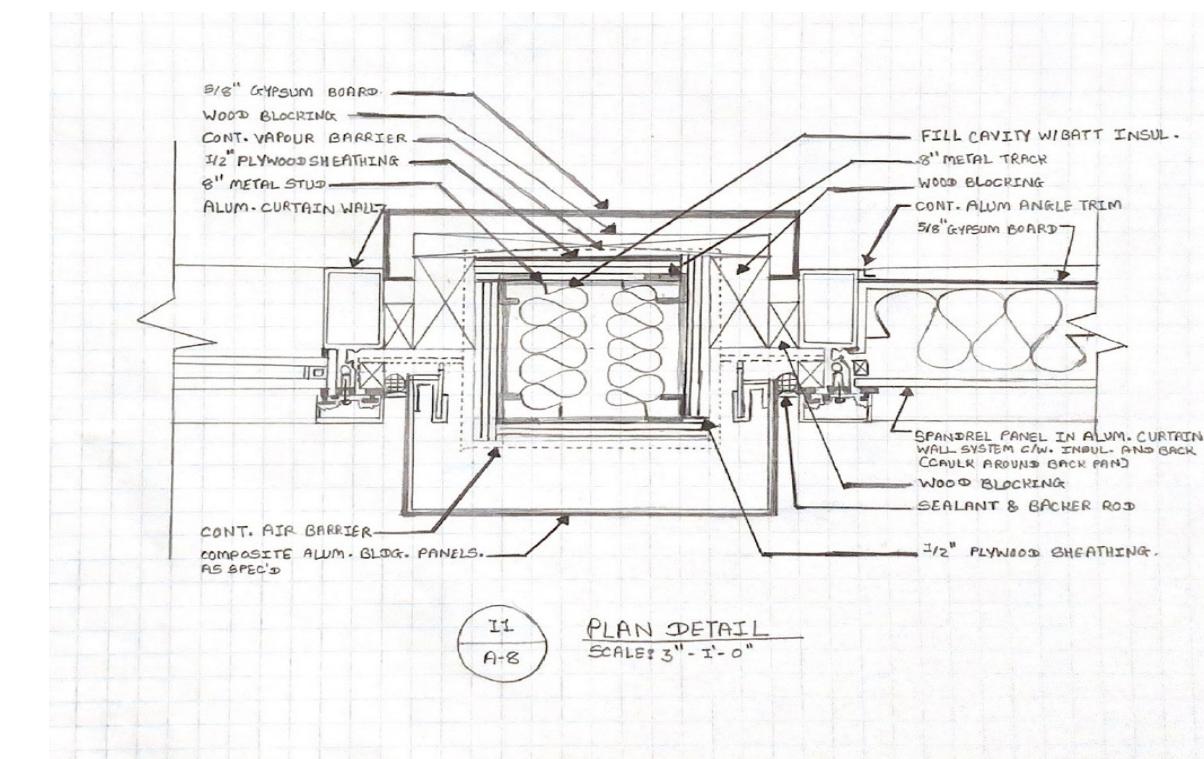
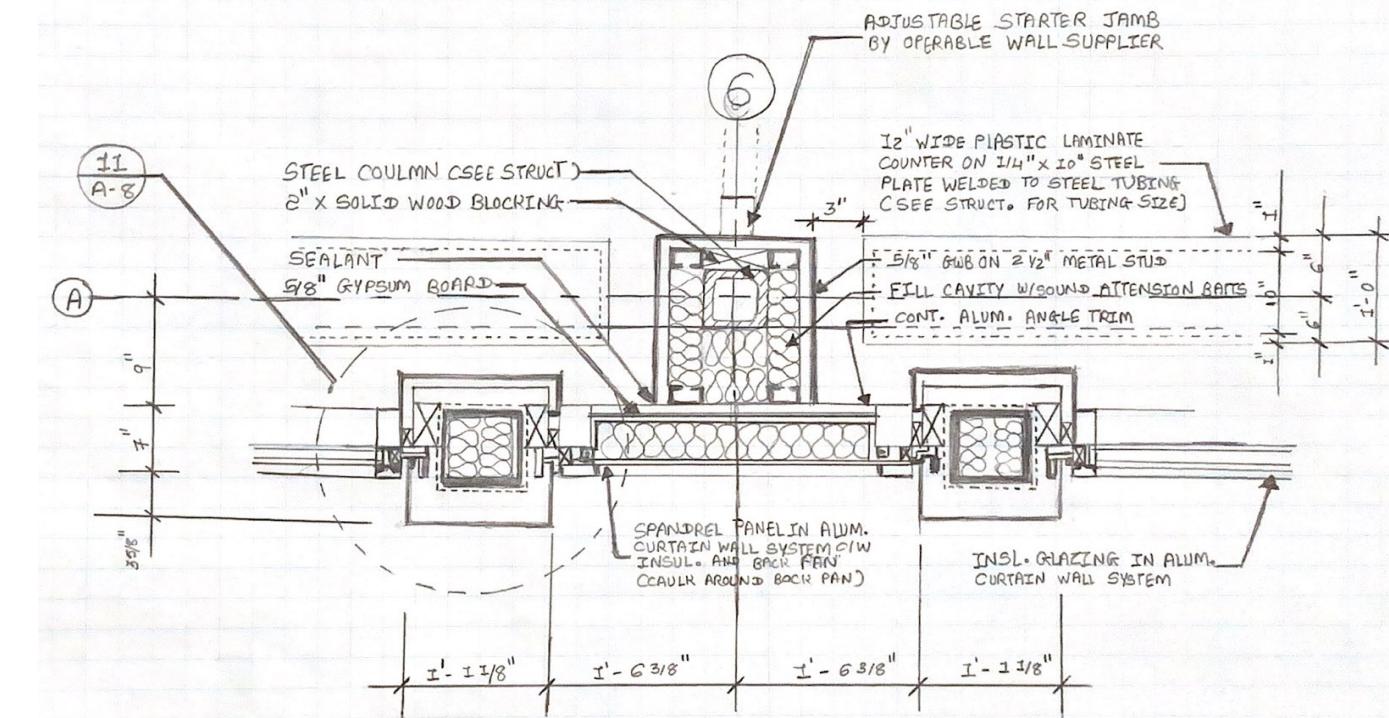
BEAM DETAIL



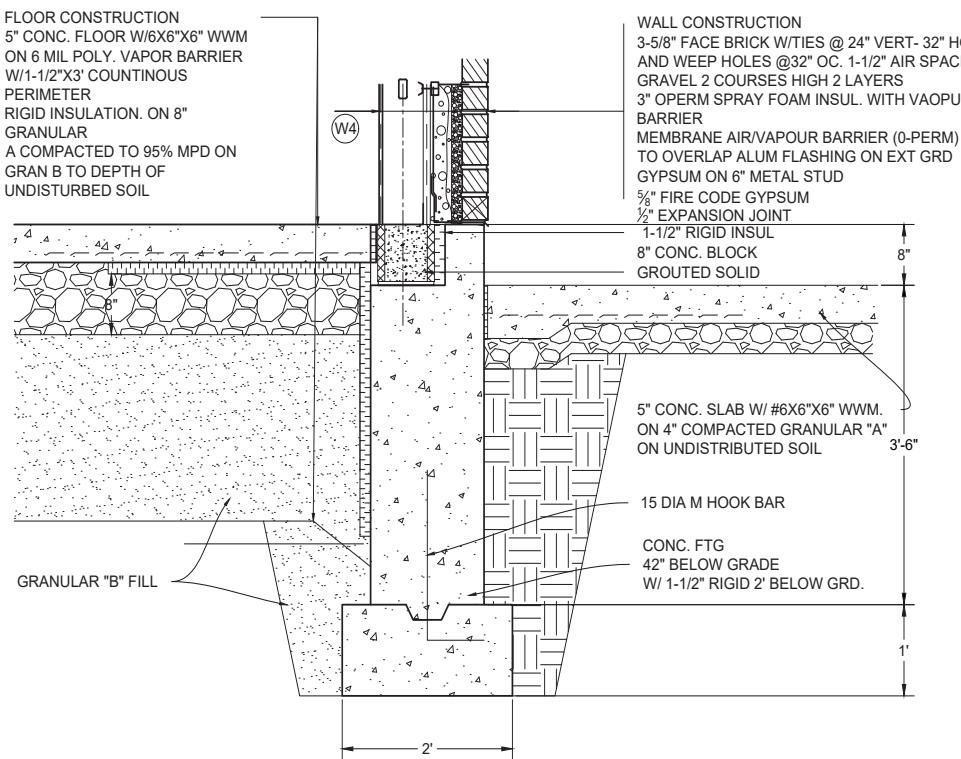
CAVITY WALL DETAIL



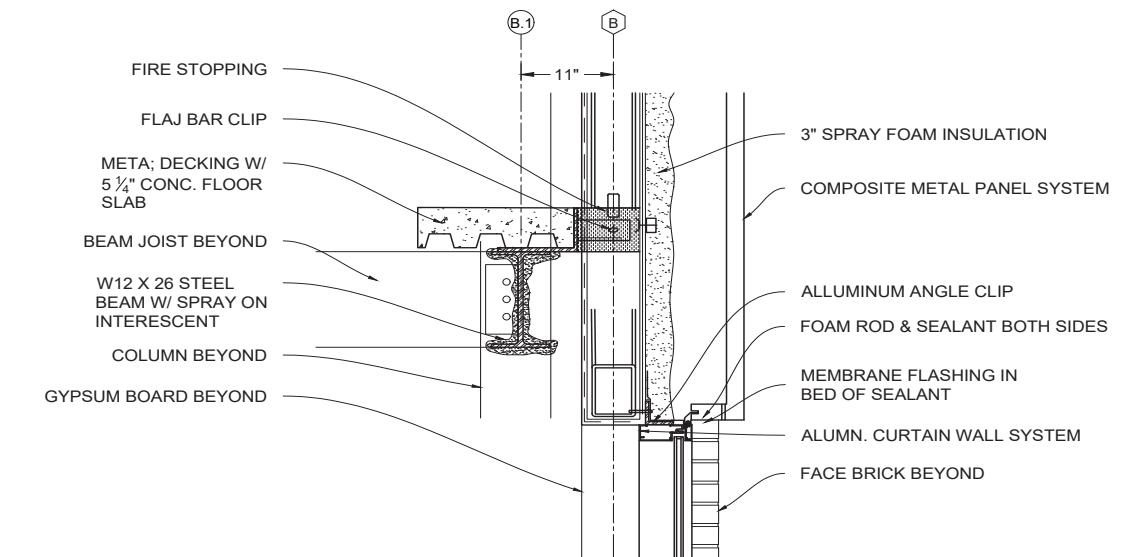
PLAN DETAIL



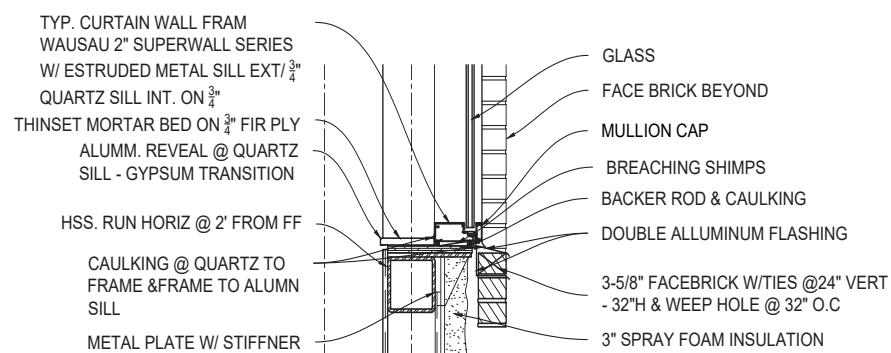
FOUNDATION DETAIL



WALL DETAIL



CURTAIN WALL DETAIL



3D FOUNDATION DETAIL

