Tanvi Sharad Halde

ARCHITECTURE | URBAN PLANNING & DESIGN

P O R T F O L I O

Selected Works
2016-Present

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2018
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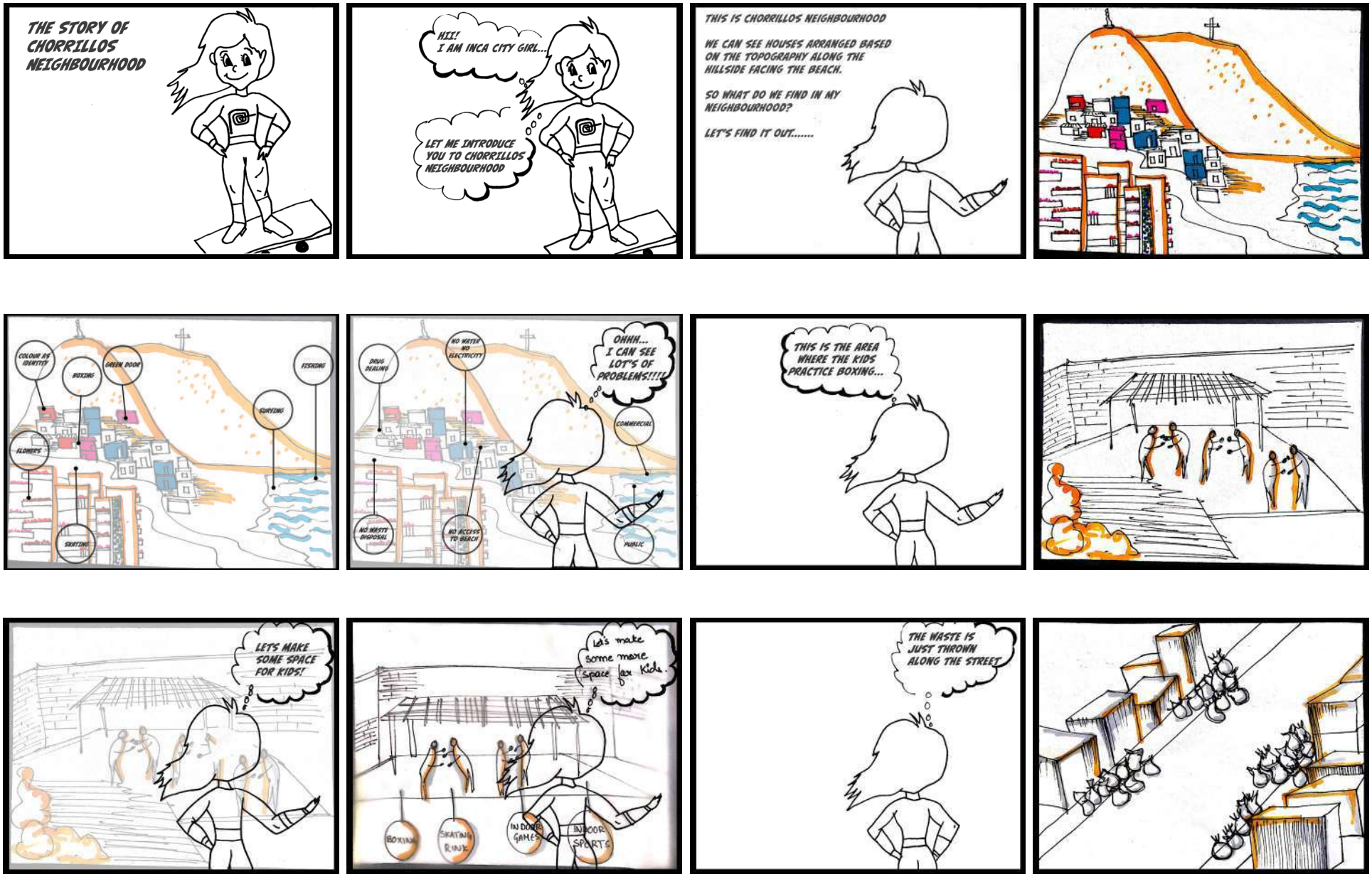
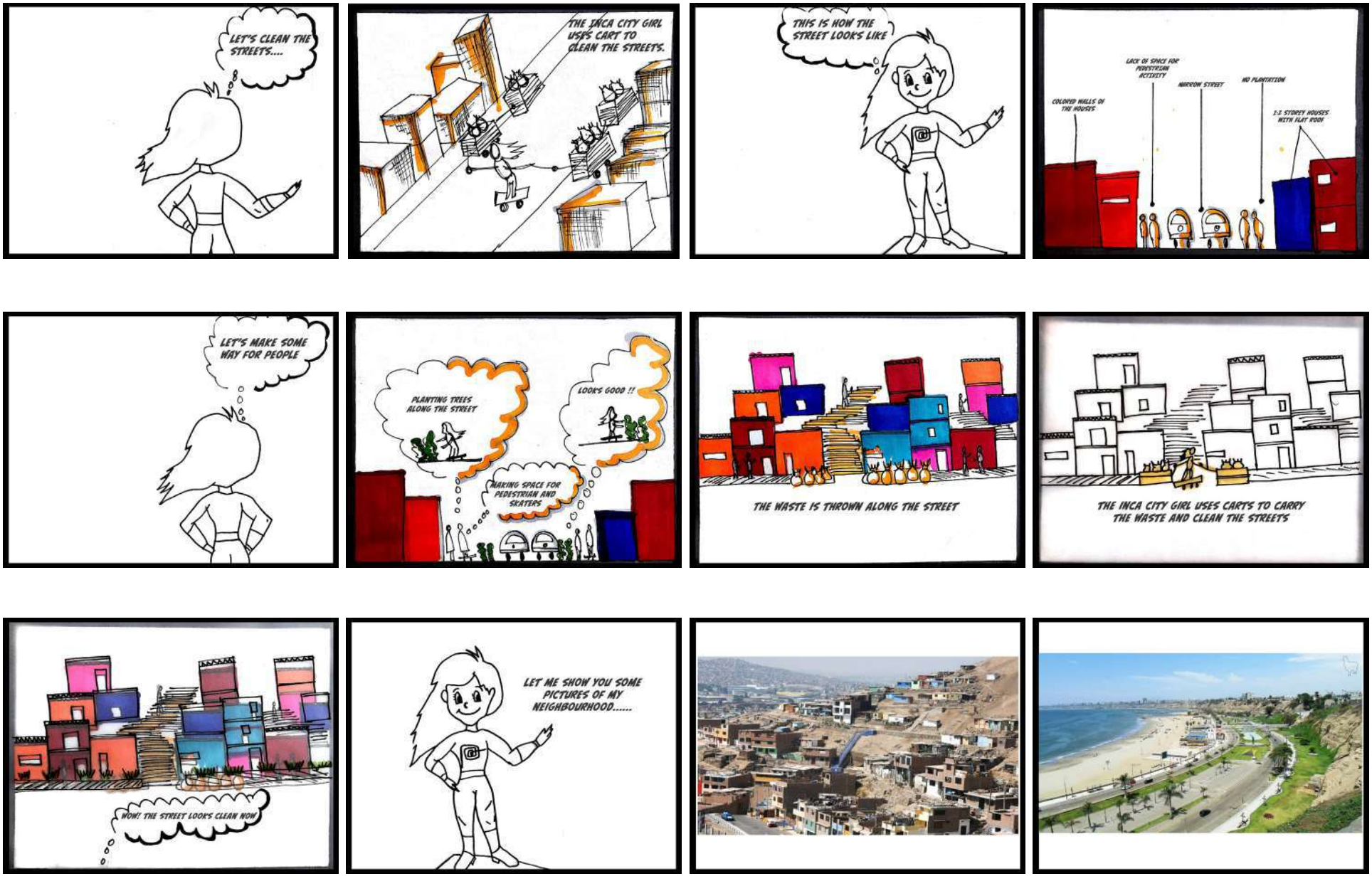
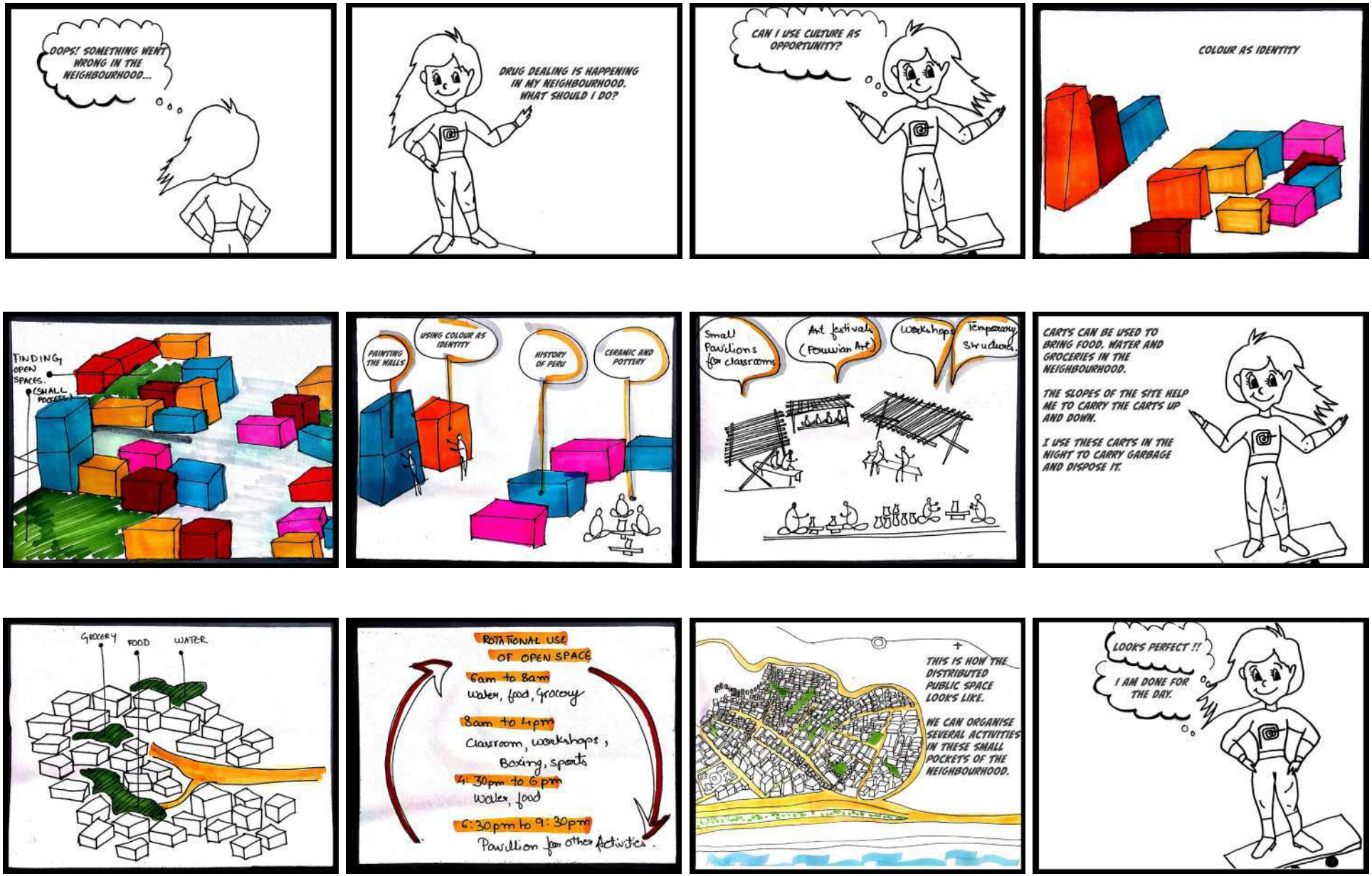
01a Comic Strip

Site analysis for Chorrillos, Peru.





Comic Strip, Site analysis for Chorrillos, Peru



Comic Strip, Site analysis for Chorrillos, Peru

01b "Re-cycling" Neighbourhoods, Chorrillos,Lima.

Waste Re-cycling System as a Tool for Improving Neighbourhood Identity

LEGEND

- Major roads in Neighborhood
- Road connecting to Morro Solar
- Neighborhood Boundary
- Main streets in the selected area
- Street selected for intervention
- Small pockets
- Trees
- Park
- Major Nodes
- Food Caravan
- Waste Disposal Cart

Time-Slots for activities

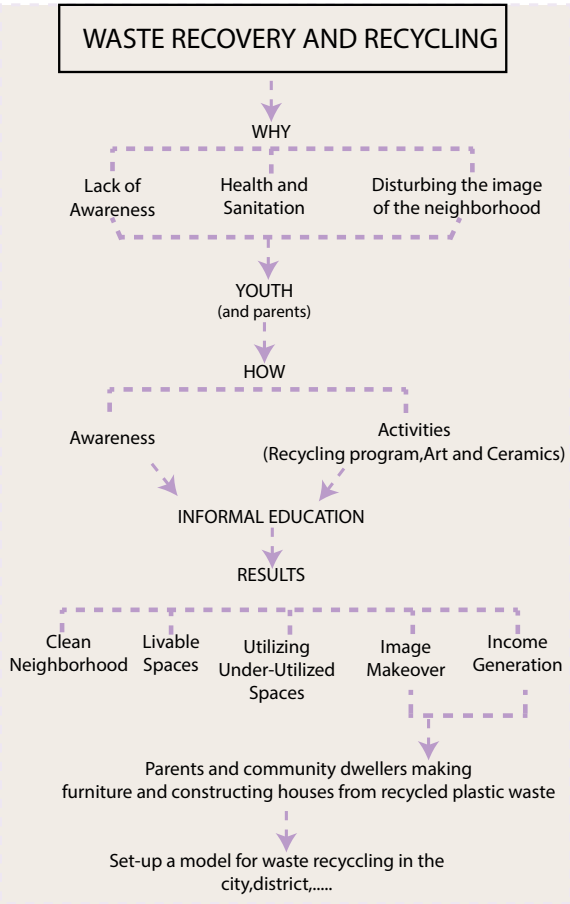
- 6:00am to 8 :00am
- 8:30 am to 12 : 30 am
- 1:00 pm to 5 :00 pm
- 5 :00 pm to 7 :00 pm
- 7: 30 pm to 10 : 00 pm

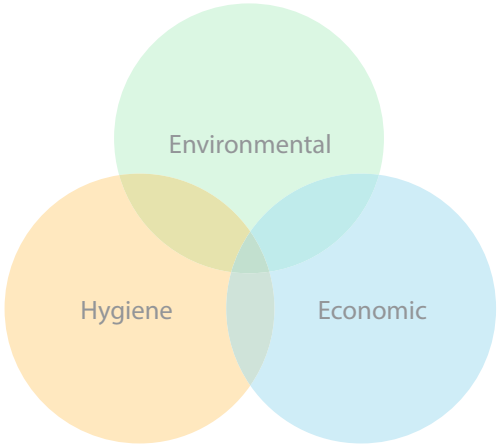
Location 1 : Dwellers throwing waste in garbage bins located at different location in the neighbourhood in the evening.

Location 2 : Dwellers buying vegetables and daily essentials from local vendors in the neighbourhood during afternoon.

Waste recovery and recycling are the most important issues of urbanization in developing countries. Waste disposal systems fails due to lack of awareness amongst the citizens, improper use of the funds provided by the government and inefficient public policies for waste management. This project tackles the waste management issues in Chorrillos, one of informal neighborhoods in Lima, Peru. The project looks at the problems faced by the dwellers due to lack of waste management facilities and proposes design solutions that encourage waste recycle education programs for youth. Temporal design strategies learned from projects in Kigoma-Ujiji, Tanzania and Miraflores, Lima are reviewed to better understand the concept of waste recovery and recycling. This temporal approach will help informal communities to generate local income and achieve healthier and more sustainable neighborhoods.

CONCEPTUAL DIAGRAM:





BE HAPPY:
The small pockets identified in the neighborhood can be used as a pavillion for some recreational activities by the youth and the adults of the community. Since the neighborhood is dense and has no space for a big plaza, these small pockets can act as a binder for the distributed neighborhood.

RECOVER AND RECYCLE:
Most of the waste is usually disposed along the streets which demands a proper waste recovery and recycle program in the neighborhood. Since the site has an topography of slopes carts can be used to carry the garbage outside the neighborhood. The waste will be segregated in dry, wet, Plastic, paper and glass. These materials can be used to recycle the waste by buildings Eco-bricks by the youth. This idea can influence the parents and the adults of the community to be a part of the recycle system. Eco-bricks can be used for making furniture, small items and also for constructing houses. These items can be a source of income generation for the community. The waste disposal system can set -up a model for the entire city.

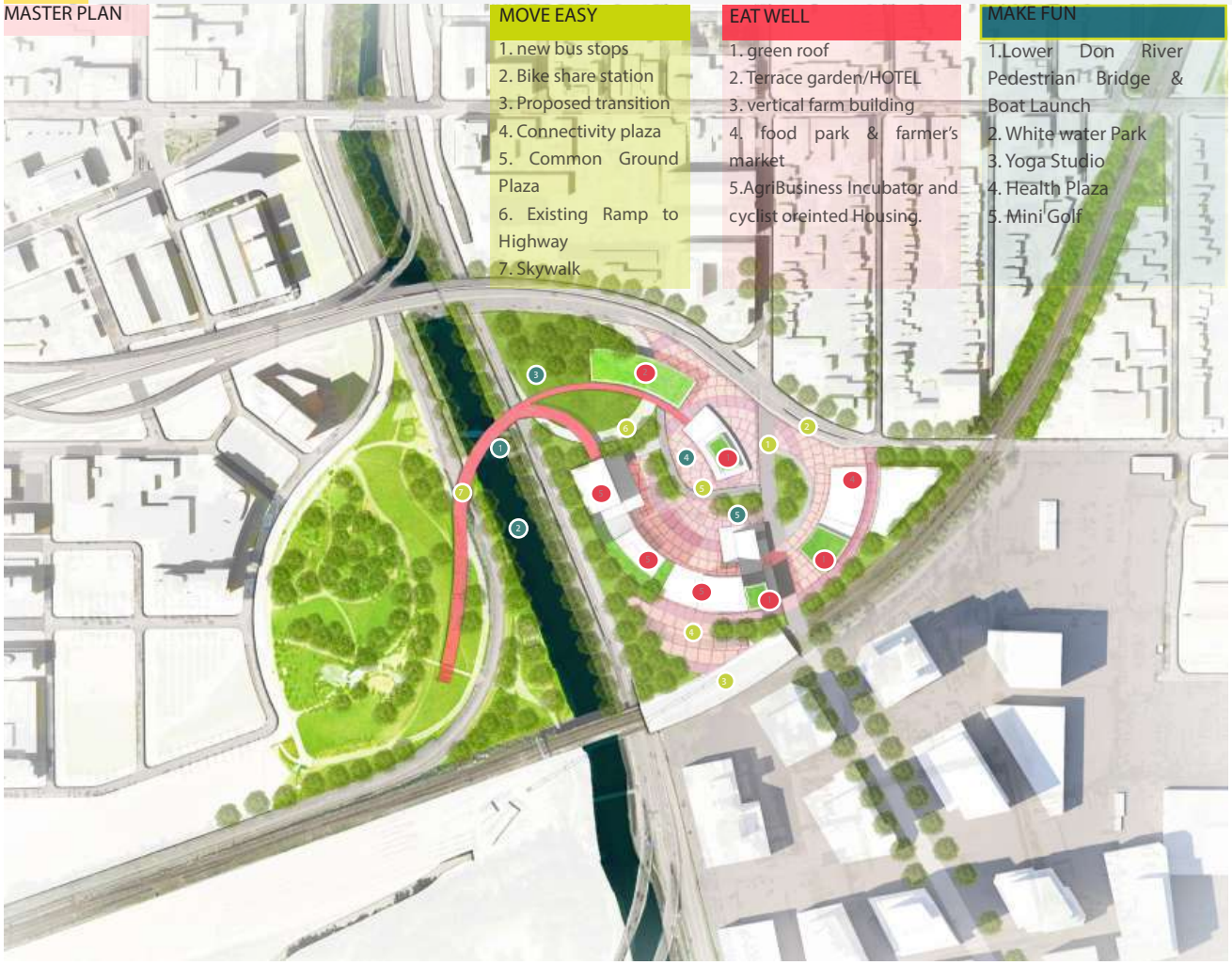
Location 4 : Small vendors selling essential goods in the morning in the neighbourhood.

Location 2 : Local dwellers of Chorillos sell local food in caravans and people from neighbourhood join the community of Chorillos.

Location 4 : Youth seperating waste for recycling

Location 2 : Local dwellers of Chorrillos enjoying the night music event in the evening.

02 Common Ground, Toronto, Canada.



The experiences of Toronto's residents are diverse. But we share much common ground: the need to move around to work, live, and play; the desire for healthy and affordable food; and a love for recreating in our great city.Millions of residents rely on Toronto's transportation systems—from the sidewalk to the streetcar to the subway—to move around the city.

Common Ground is located at the nexus of multiple transit systems. It is a zone of transition—between the bike share fleet, buses, streetcars, and the subway system.

The Common Ground development project makes transitions easy and even fun.More than ever, consumers demand fresh, healthful foods. Common Ground seeks to join and strengthen Toronto's network of urban agriculture, as a site for growing, learning, and connecting. Urban production gardens are located on site and demonstrate the latest in urban agriculture innovation. Produce is available on site and distributed to larger networks of fresh food retailers. Common ground connects passersby with healthy food options, while connecting food advocates around the city.

MOVE EASY:

Common Ground is located at the nexus of multiple transit systems. It is a zone of transition—between the bike share fleet, buses,streetcars, and the subway system. The Common Ground development project makes transitions easy and even fun.

- RAIL ROAD SYSTEM
- EXISTING SUBWAY ROUTE | STATIONS
- POTENTIAL SUBWAY ROUTE AND STATIONS
- EXISTING BUS ROUTE AND STATIONS
- POTENTIAL BUS ROUTE AND STATIONS
- STREETCAR ROUTE
- PARK AND OPENSPACES
- TRAIL SYSTEM
- BIKE SHARE TORONTO
- ART, ATTRACTION AND EVENTS

EAT WELL:

Common Ground strengthens Toronto's network of urban agriculture, as a site for growing, learning, and connecting. Urban production gardens demonstrate the latest in urban agriculture innovation. Produce is available on site and distributed to larger networks of fresh food retailers. Common ground connects passersby with healthy food options, while connecting food advocates around the city.

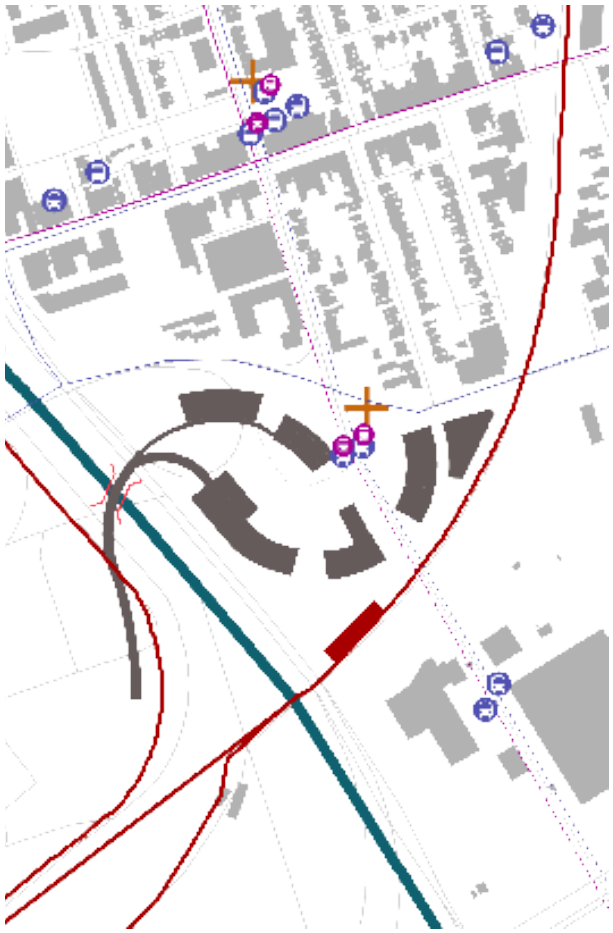
SUPERMARKET AND CONVENIENT STORES

FRESH FOOD STORES

COMMUNITY GARDENS

BUILDINGS:

TRANSIT CONNECTIONS



SITE CIRCULATION:

NEW BUILDINGS

REMOVED STRUCTURE

New Bus Route and Bus Stop.

New streetcar route

Railway

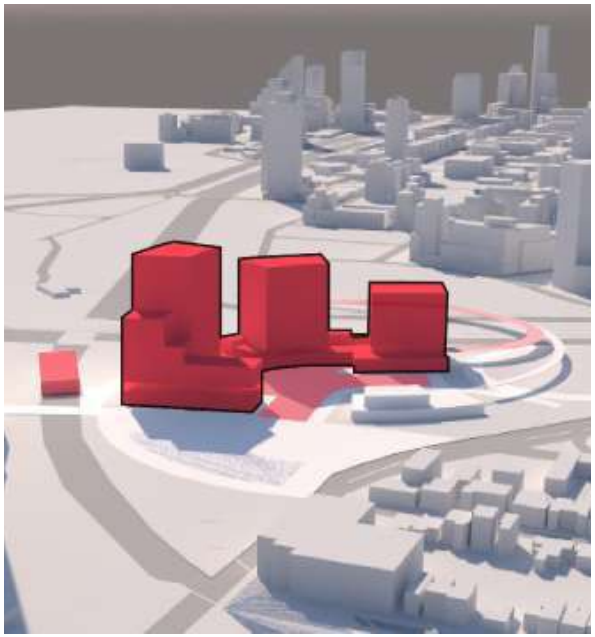
Bikeshare

Bridge

Skywalk | Elevated plaza

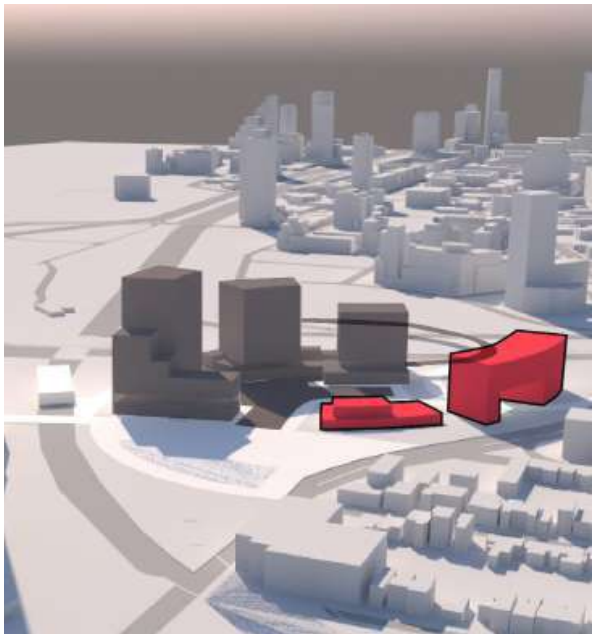
Ground floor plaza

PHASE I :



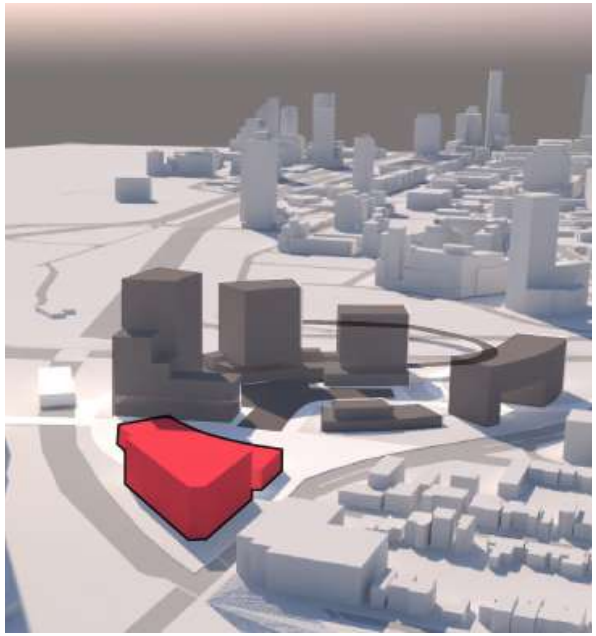
The first three years of development will see the construction of residential, retail, office, and parking facilities. In addition to kickstarting the commercial capacity of the site, the first phase also includes the development of the Lower Don Pedestrian Bridge, connecting the site West of the river both symbolically and physically.

PHASE II :



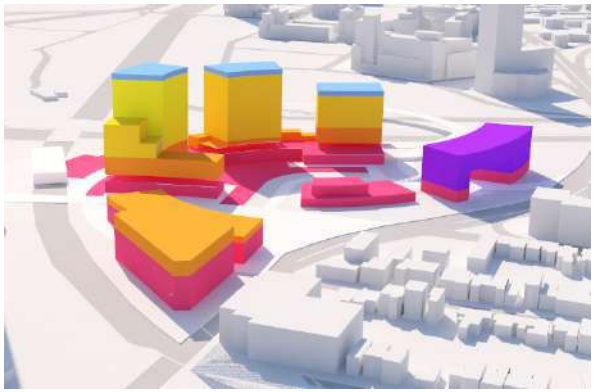
Building on the momentum of the first three years, a riverfront hotel and conference center will be constructed, further increasing cash flow at Common Ground. Small retail and affordable residential units will also be added during this phase.

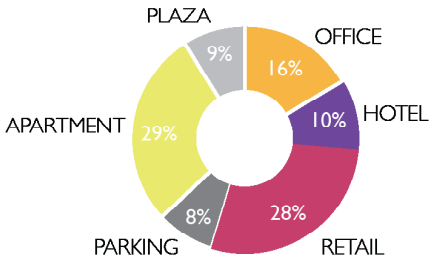
PHASE III :



The next four years will see the site mature as a new food hub facility makes Common Ground a centerpiece of nearby neighborhoods. Production gardens and fresh food retail will demonstrate the latest in urban agriculture innovation.

PROPOSED LAND USE :





PROGRAMS :

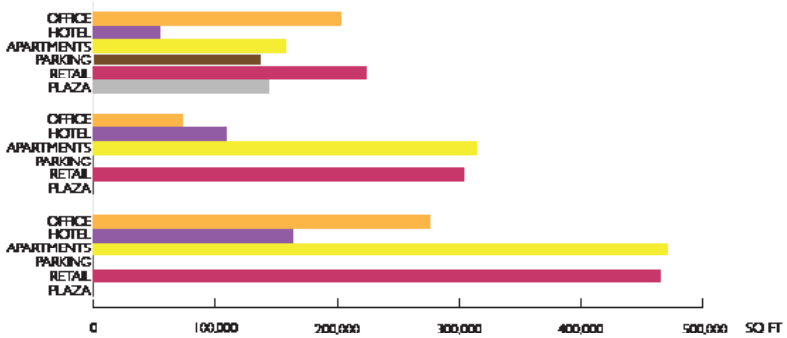
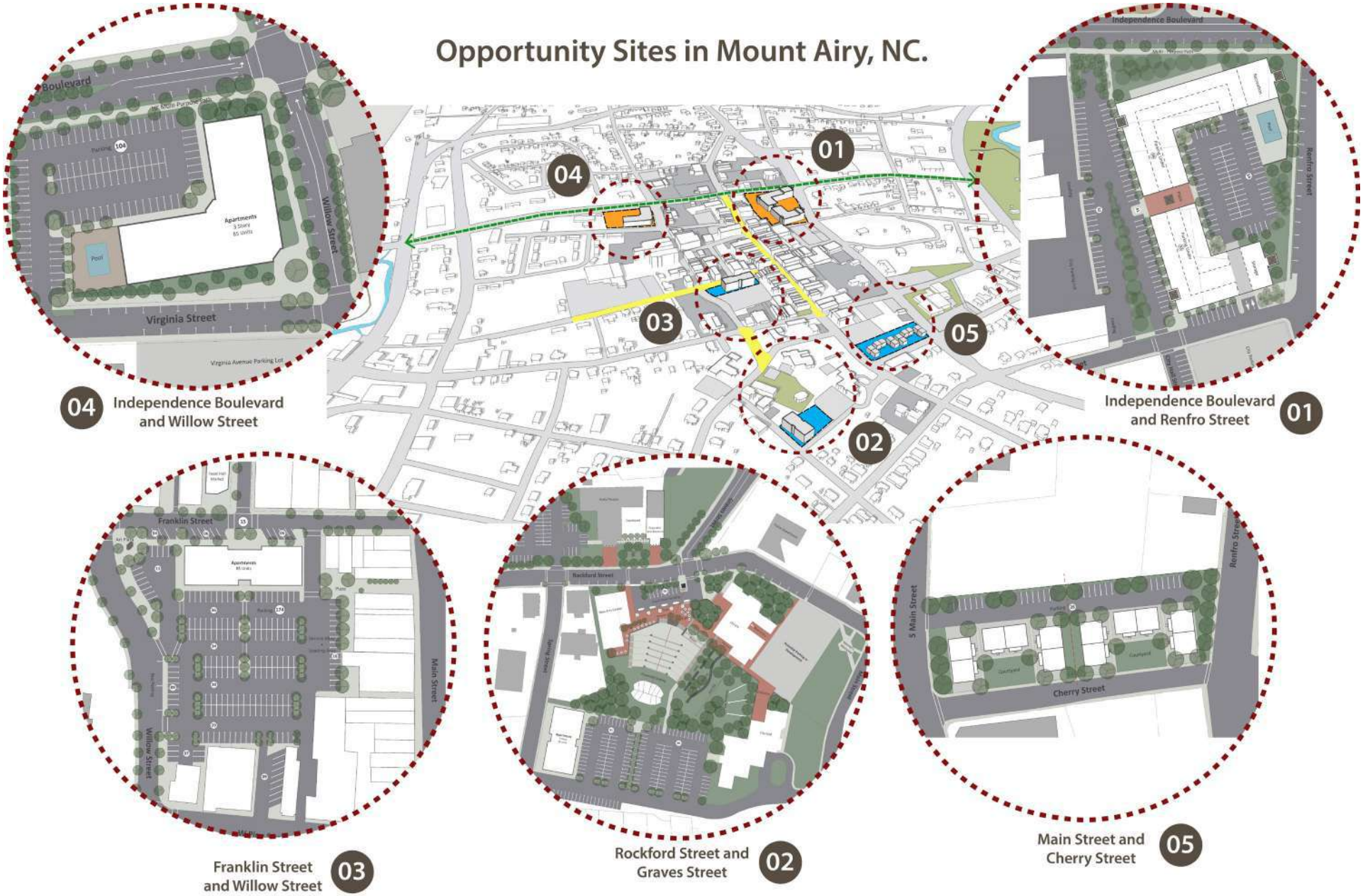


Image showing the common public space.

Image showing the bridge connecting the Downtown and the Common ground.

Common Ground, Toronto, Canada.

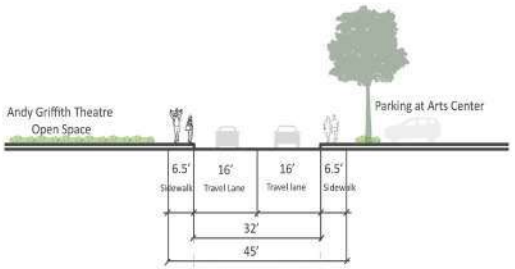
03 Downtown Master Plan and Future Land - Use, Mount Airy, North Carolina



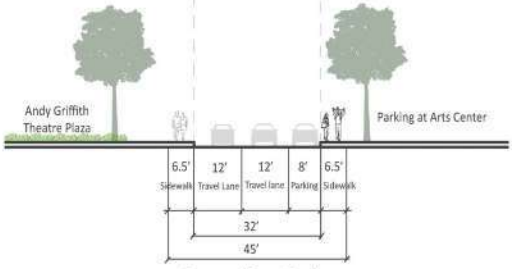
Site Analysis for Mt. Airy Downtown

Opportunity Site 02

Rockford street and Graves Street

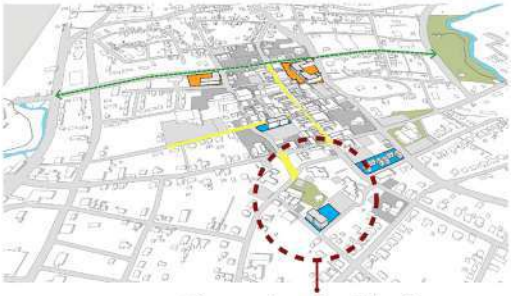


Existing Street Section



Proposed Street Section

Rockford Street

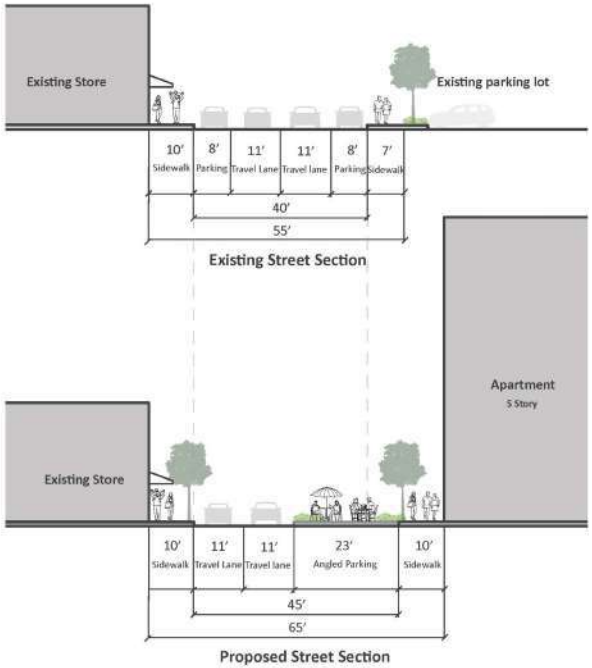


Opportunity Site 2

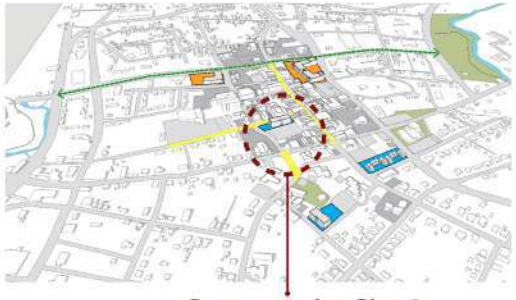
Master plan - Opportunity site 02

Opportunity Site 03

Franklin Street and Market Street



Franklin Street at Market Street

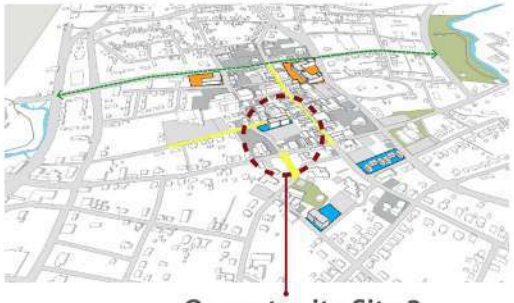


Opportunity Site 3

Master plan - Opportunity site 03

Opportunity Site 03

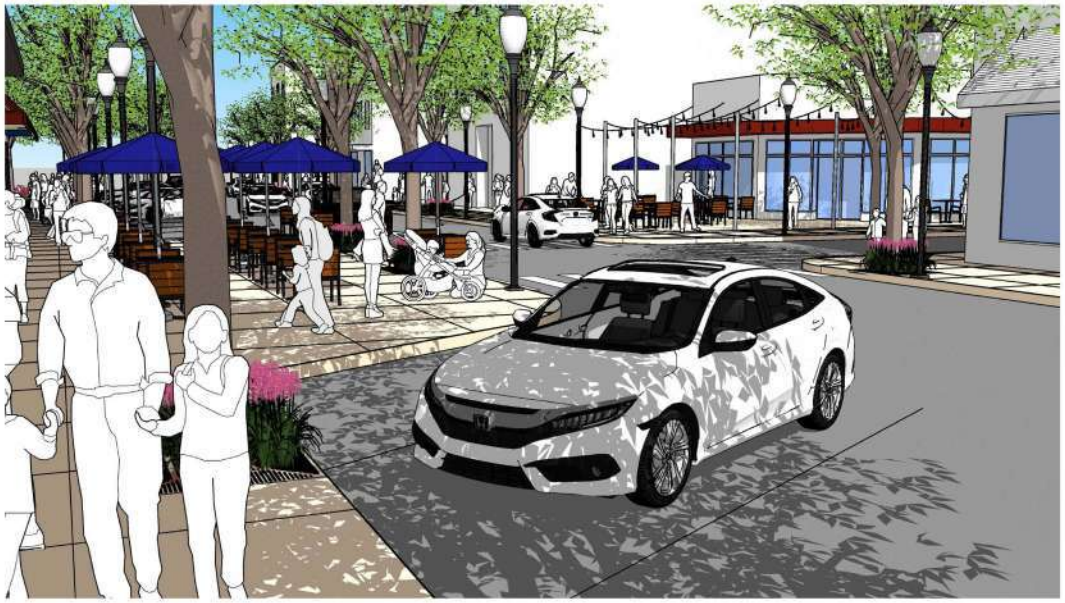
Franklin Street and Market Street Views

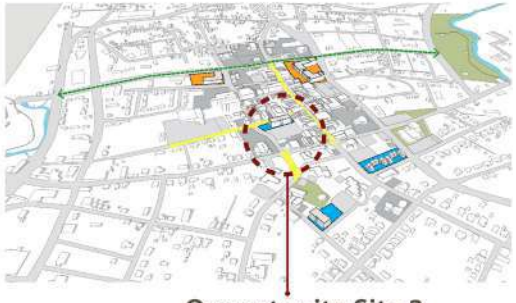


Opportunity Site 3

Opportunity Site 03

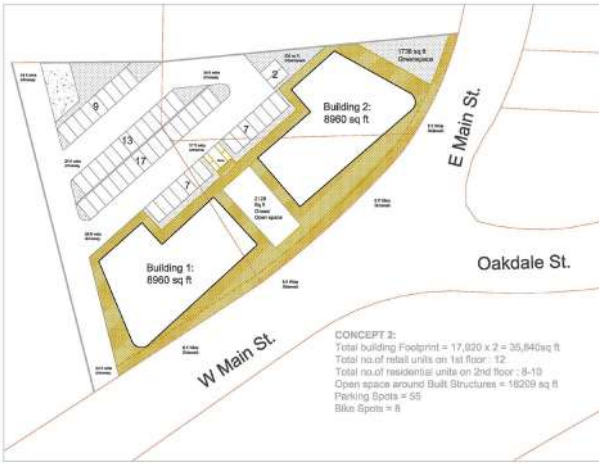
Franklin Street and Market Street Views





Opportunity Site 3

04 Deep River Square, Jamestown, North Carolina, USA



Site Plan - Site Analysis and Ground Floor Plan

Top - Bottom view for the site

Bird's Eye View showcasing the site, structures, dog's park and parking area

Storefront and pedestrian sidewalk

Outdoor restaurants, storefront and residential units on upper storey

The primary objective of this project has been to develop urban design and planning concepts for an upcoming mixed-use complex in Downtown Jamestown, NC. The site is located along E and W Main Street and comprises 35,000 sq ft area to be developed into a mixed-use commercial and residential area. As of 2022, the site consists of three dilapidated and vacant structures, which the Town of Jamestown aims to demolish and re- construct into a mixed- use commercial complex with shops and public spaces on first level and dwelling units on second level.

The proposed Concept comprises of 2 structures with 12 units (approx. 1000 sq ft ea.) on first level (total: 18,000 sq ft) along with 8 residential units on second level with a central open space (18,200 sq ft), along with parking spaces for cars and bikes and ideas for landscaping.

Deep River Square, Jamestown, North Carolina.

Main entrance and central plaza

Central Plaza - Mural, Amphitheatre and outdoor restaurants.

Storefront and Pedestrian area

Rear view - Parking area

Deep River Square, Jamestown, North Carolina.

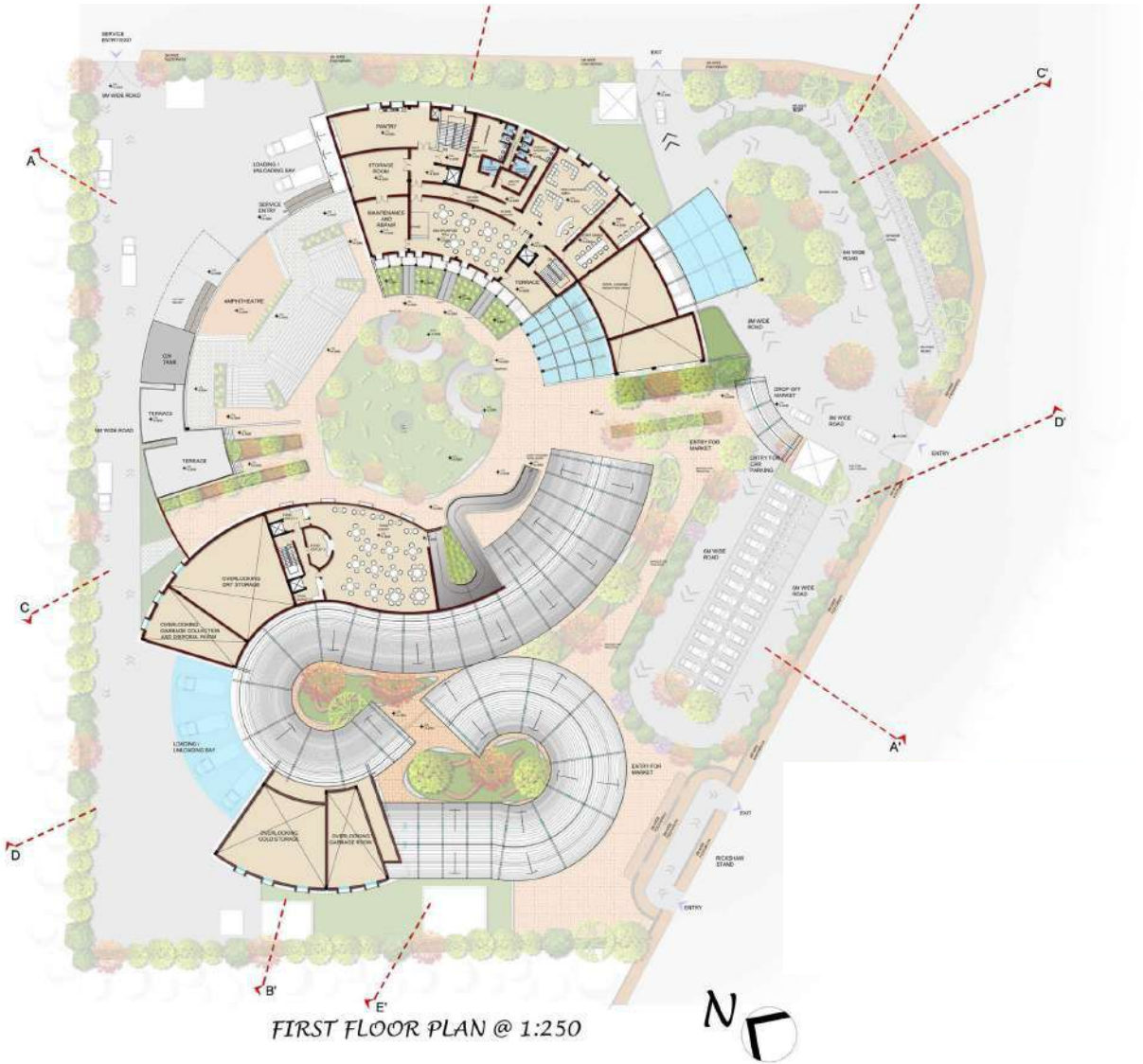
05 Haat Bazaar, Mumbai,India.

GROUND FLOOR PLAN
@ 1:250

SECTION AA' @ 1:250

Haat Bazaars are the markets that generally take place on a weekly basis in a playground or an open field, which is accessible to most families in a village. Difficulty or even inability to access the market because of lack of access to transportation represents an obstacle for local farmers to earn a supplemental income by selling their products. The project Understanding the relationship between rural and urban markets, the history, origin and evolution of market places. The project includes analysis and esign to bridge the gap between the urban and rural scenarios and creating an environment for farmer's weekly market at an urban scale. The project includes a market space connected to public spaces to establish a connection between local vendors and metro city dwellers of Navi- Munbai, India.

Aerial view of the site



FIRST FLOOR PLAN @ 1:250

SECTION BB' @ 1:250

ISSUES:

Lack of temporary sales space for producers at peak periods.

· Lack of temporary buying space for assembly traders.

· Produce being sold in open can surfer spoilage.

· Inadequate site security and overnight storage facilities.

· Poor layout, inhibiting customer flow.

· Insufficient circulation space.

· Insufficient loading and unloading space.

· Inadequate drainage facilities.

· Poor hygiene.

· A strong demand for permanent trading spaces.

· Storage

· Transportation

AIM:

Understanding the relationship between Urban and Rural Markets.

· To creator an cultural exchange platform for the vendors at Urban level.

· Solving issues related to connectivity between the rural and urban areas.

· To provide a rural focal point.

· Identifying the location for trade at urban level.

· Improving the hygiene of the markets and storage units.

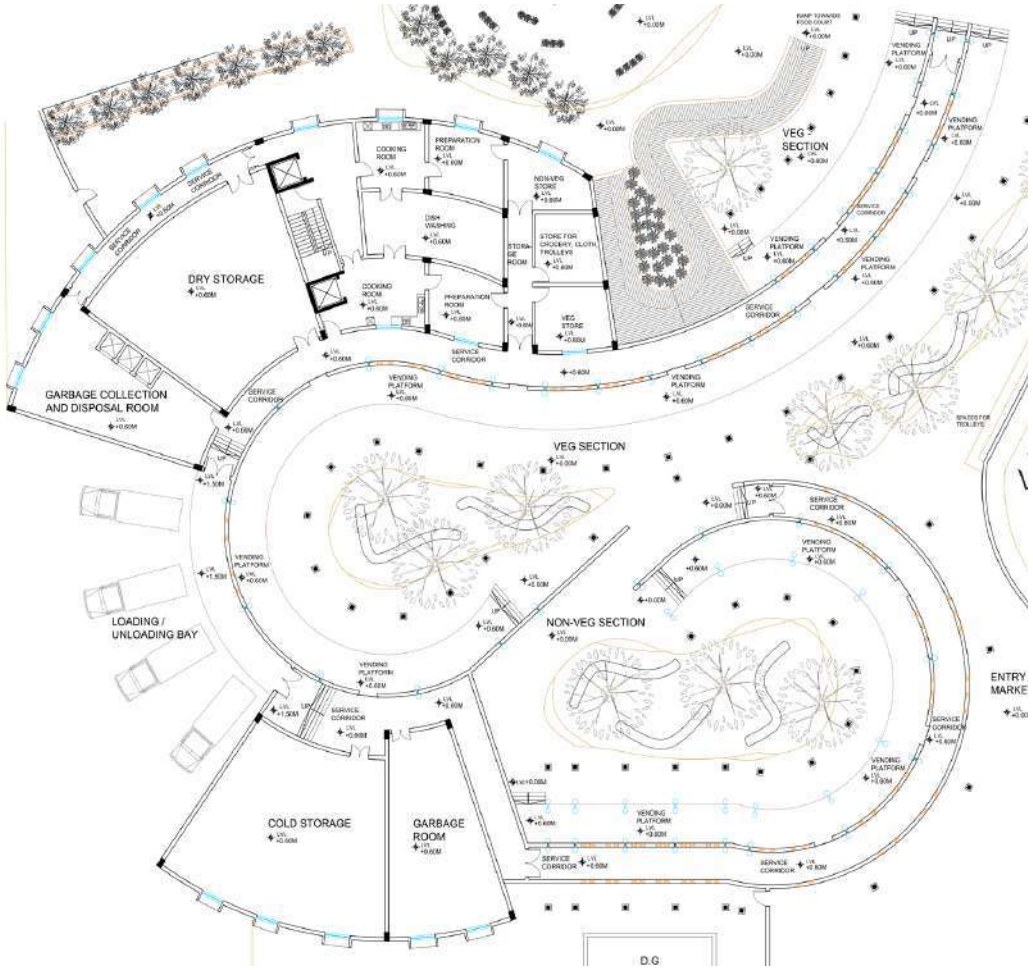
·Reviving the concept of weekly mfarmer's maket in modern context.

View of the Central Kitchen, Amphitheatre and service area.

Aerial view of the food courts, Alcoves and recreational space

Elevation showing food courst and vending section

Section through the Non- Veg market



Plan showing the Vending section for Market area along with dry storage for vegetables and fruits and cold storage for fish and meat supported by service area.

The concept is to provide a platform for local vendors. The design helps to create a connection between urban visitors and rural vendors.Perishable food will be available for urban residents on direct interaction basis for weekly or monthly time.

The Design includes: A Haat bazaar, Storage room, Food courts, Amphitheatre and open spaces for varied activities.

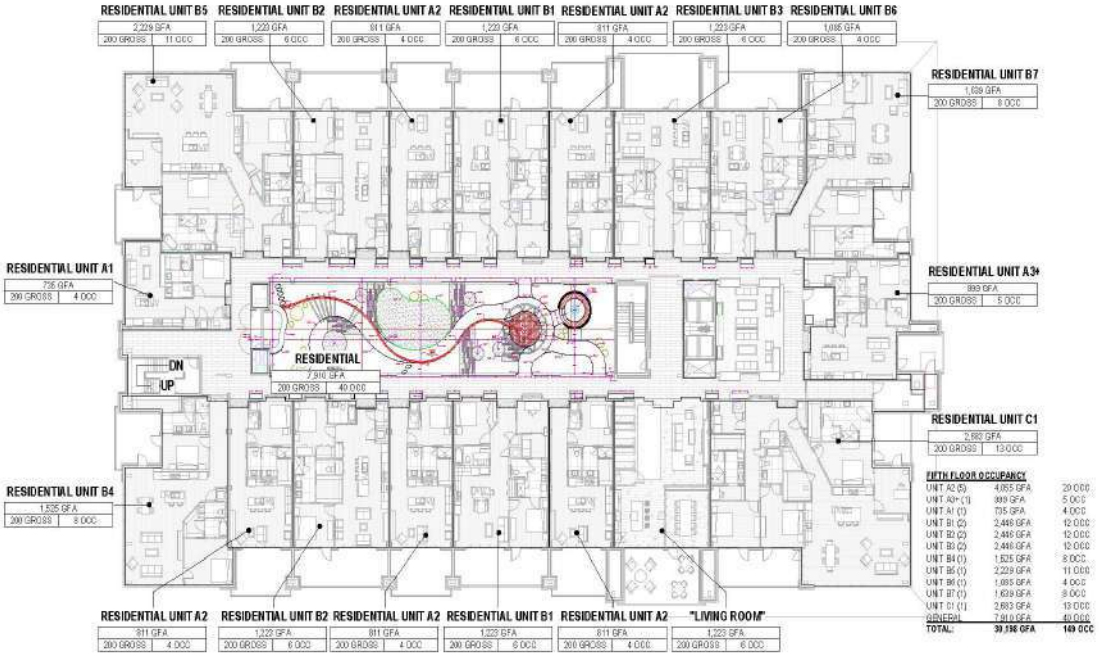
Interior view of the vending section

Front Elevation of the building showing admin building and workshop area

View showing workshop areas and alcoves

Haat Bazaar, Mumbai, India.

06 Fountains at Gateway, Murfreesboro, TN, USA

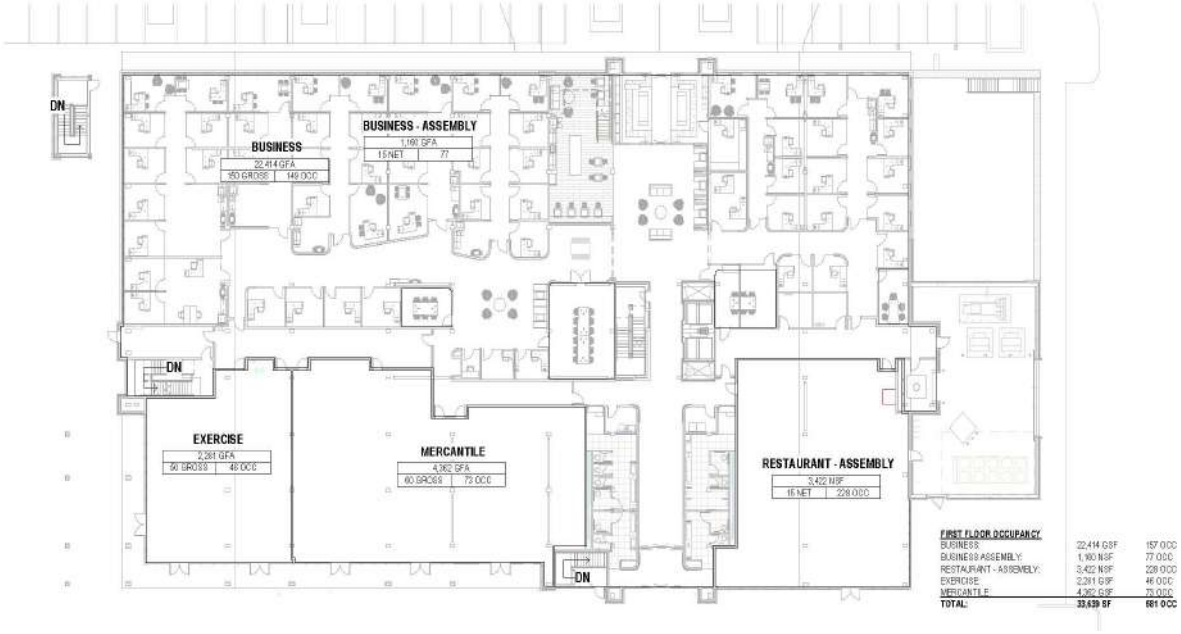


Typical Floor Plan (Third Floor)

Fountains at Gateway is a Mixed-used project that includes commercial spaces, offices and residential apartment. With a building footprint of 35,000 GSF, the building is 5 stories tall and 75 FT high. The first and second floor comprises of offices, stores and restaurants, while third - fifth floor comprises of residential units. On the third storey, a landscape atrium is located with interior garden, kid's play area and waterfall. The skylight located the rooftop level provides natural sunlight throughout the atrium.

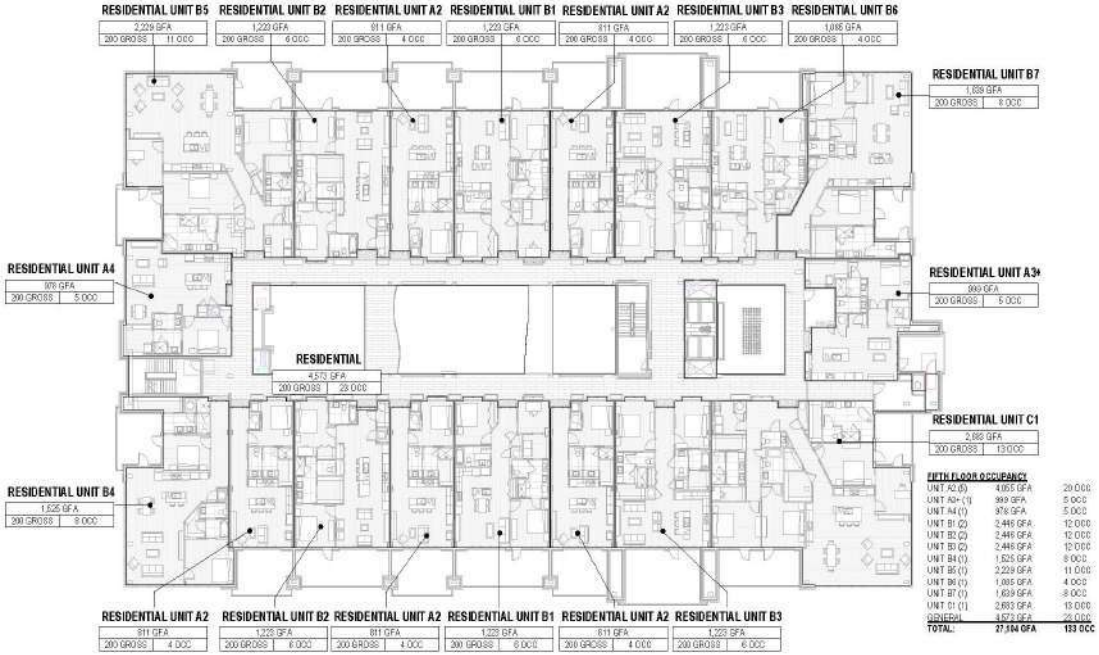
My role included development of schematic design, design development, and construction document set. Worked closely with the design team and assists to complete projects on aggressive schedules. Coordinating with MP&E and civil consultants to assure the implementation of all associated building codes and lifesafety codes.

Fountains at Gateway, Murfreesboro, Tennessee, USA.

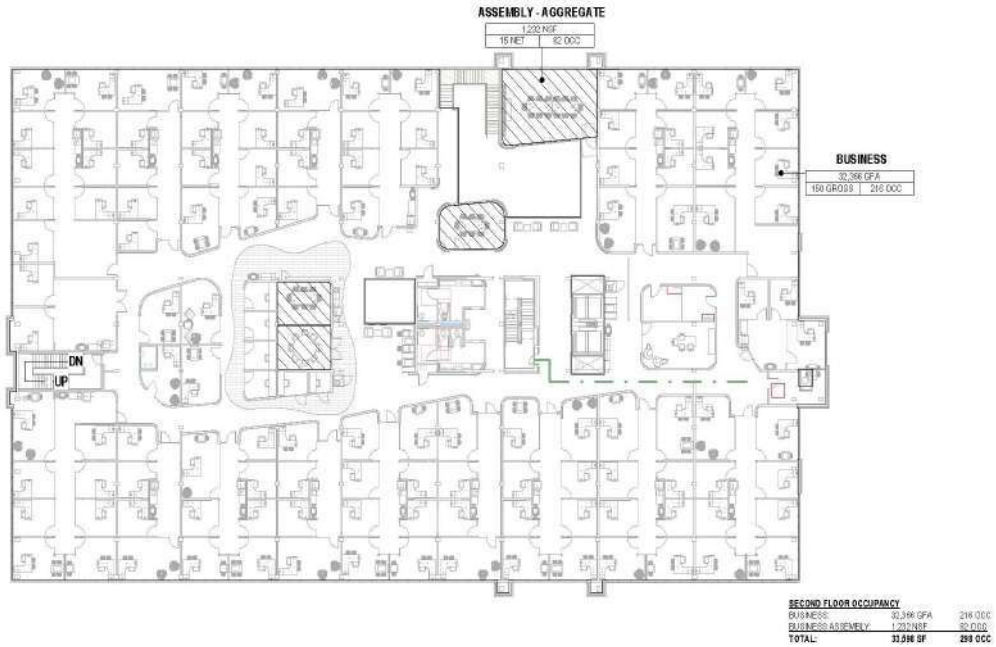


First Floor Plan

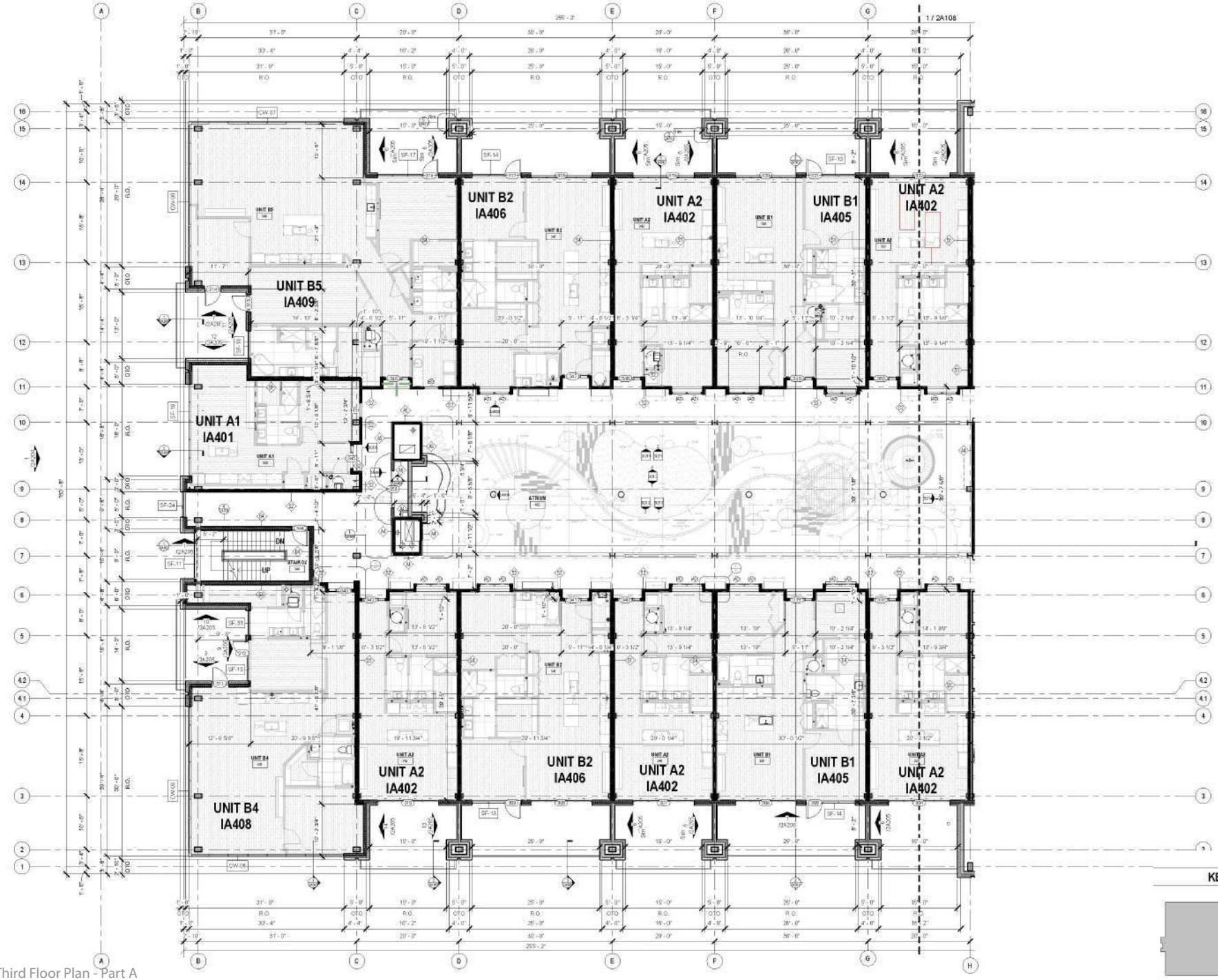
Basement Floor Plan

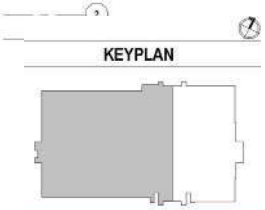


Fourth - Fifth Floor Plan

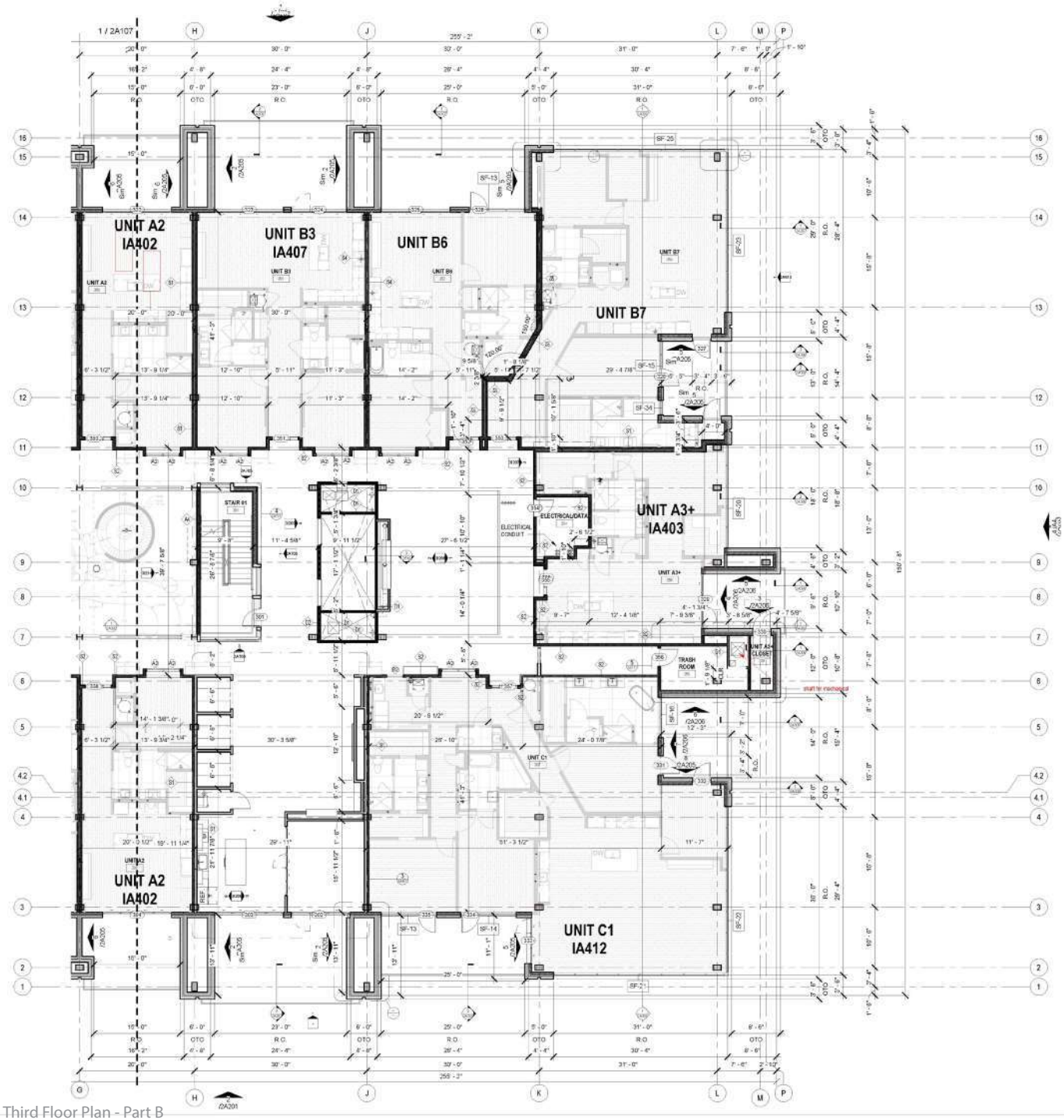


Second Floor Plan

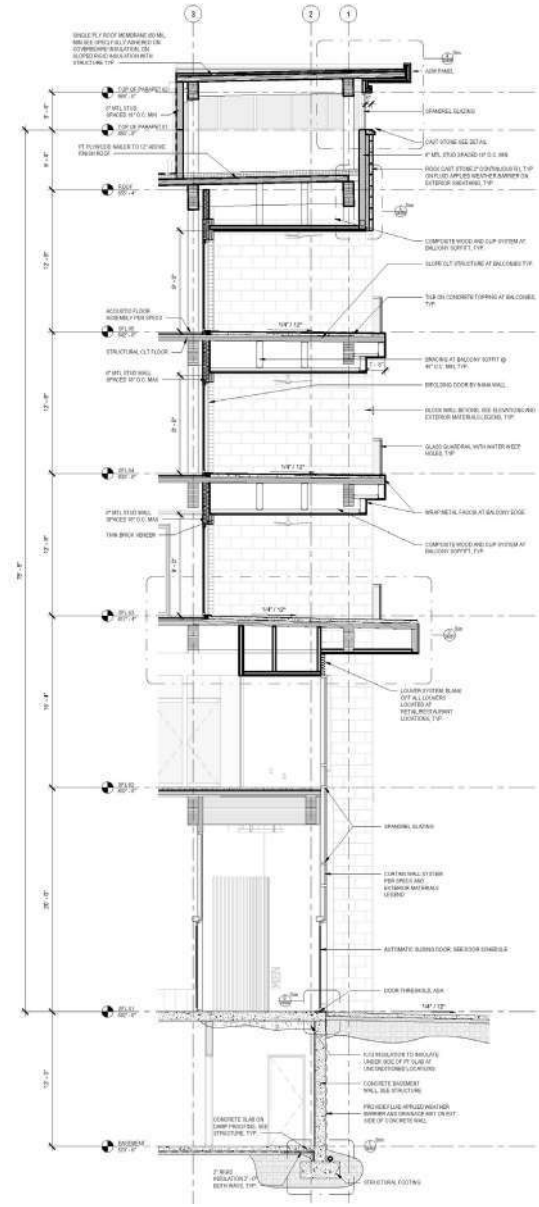




Third Floor Plan - Part A

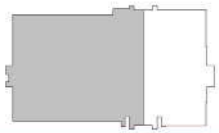


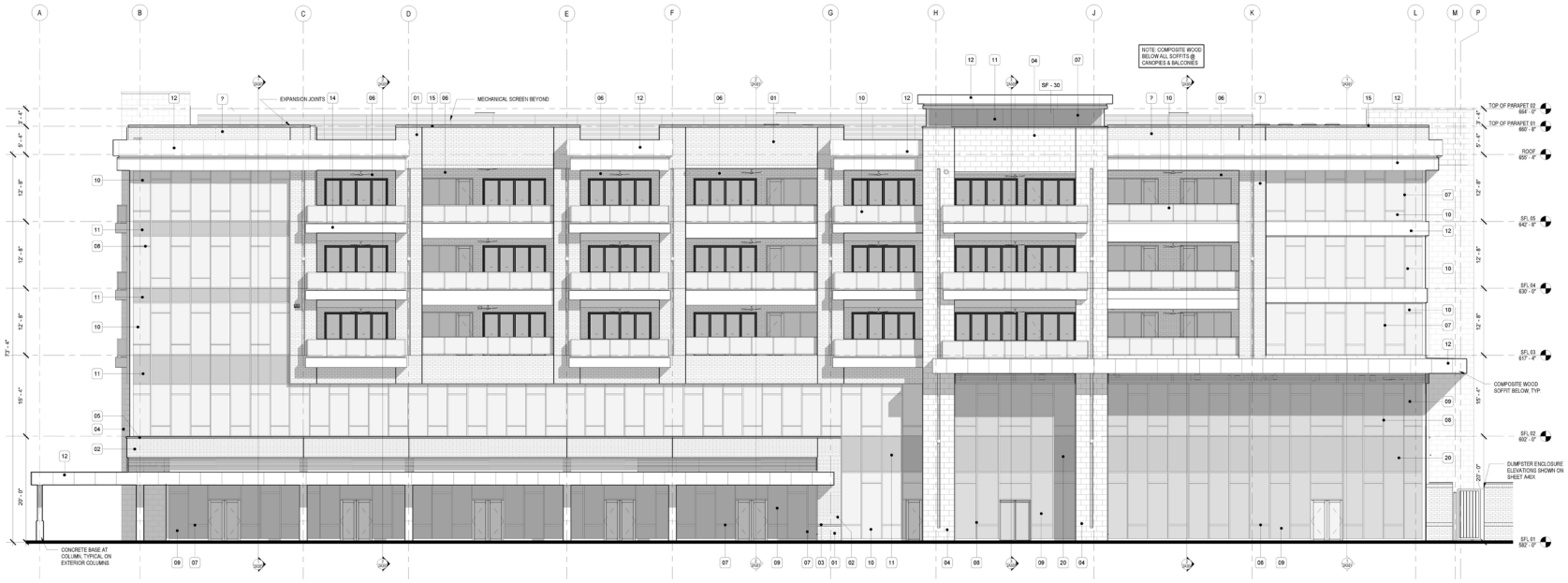
Third Floor Plan - Part B



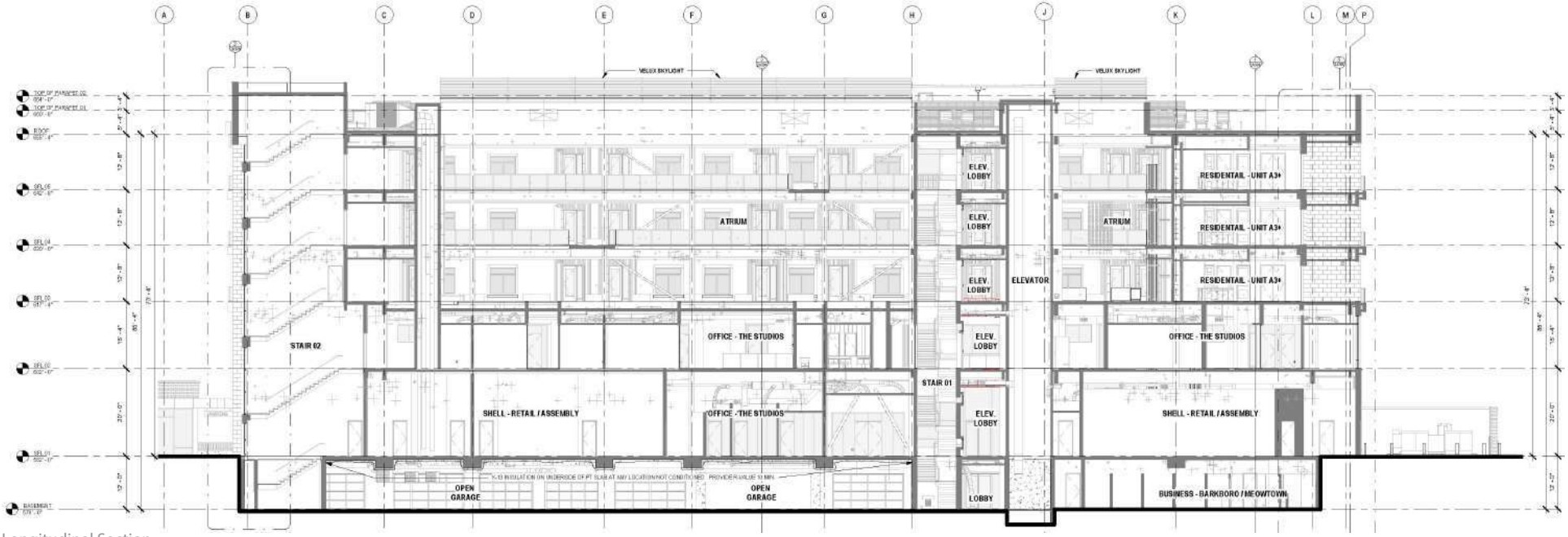
Wall Section through Balconies

KEYPLAN



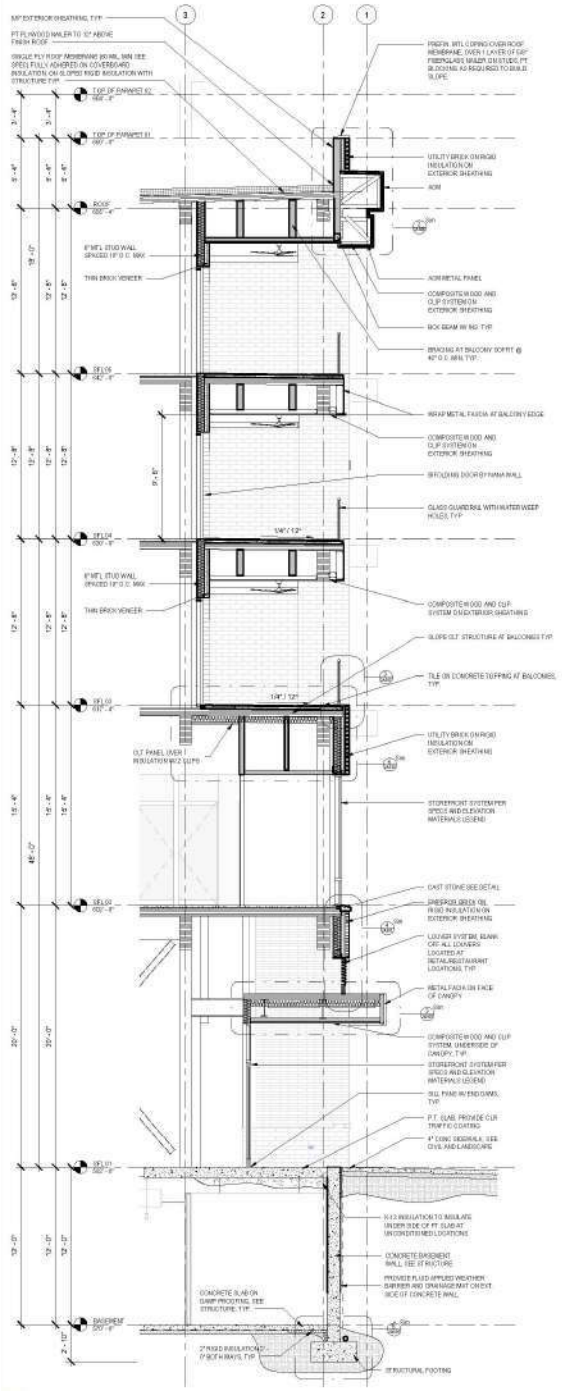


East Elevation

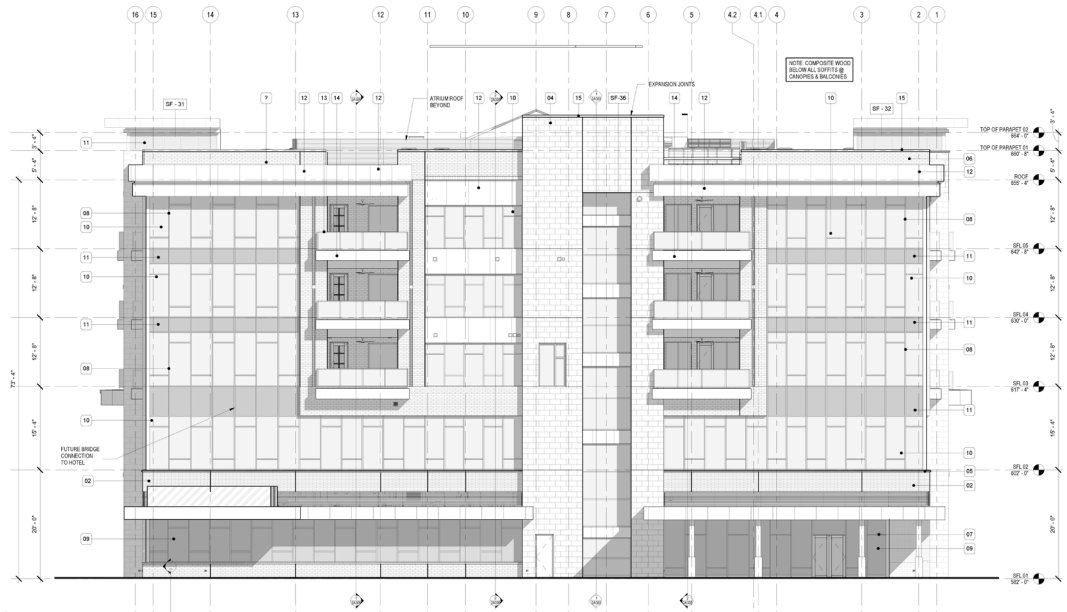


Longitudinal Section

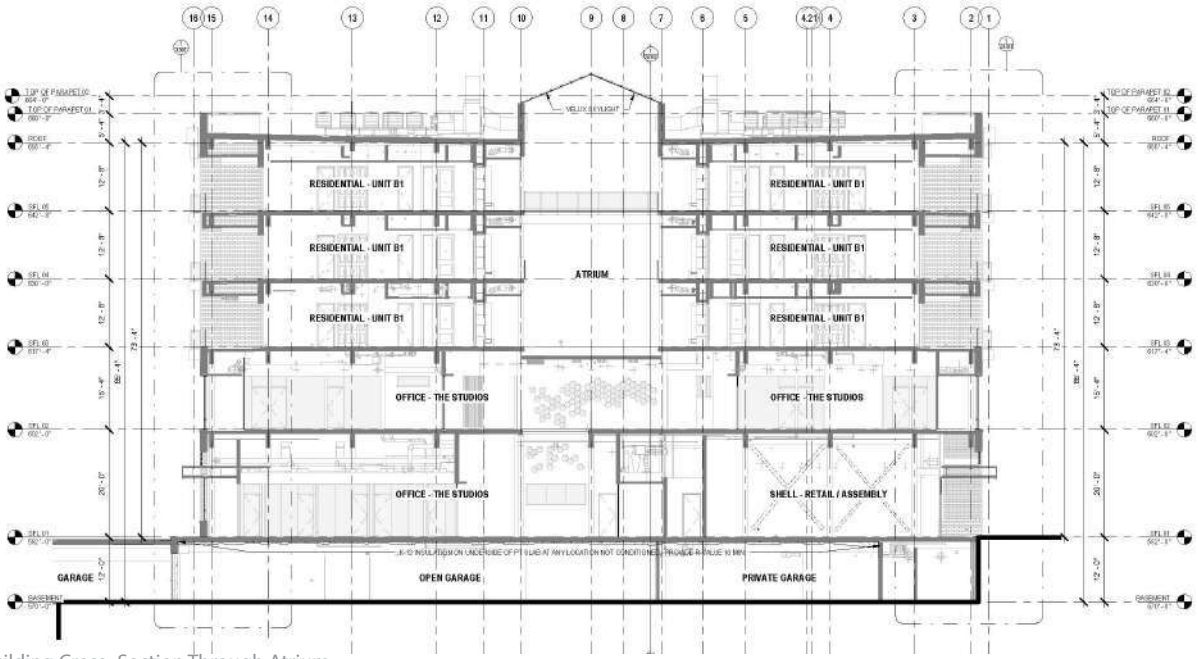
Fountains at Gateway, Murfreesboro, Tennessee, USA.



Wall Section through Balconies



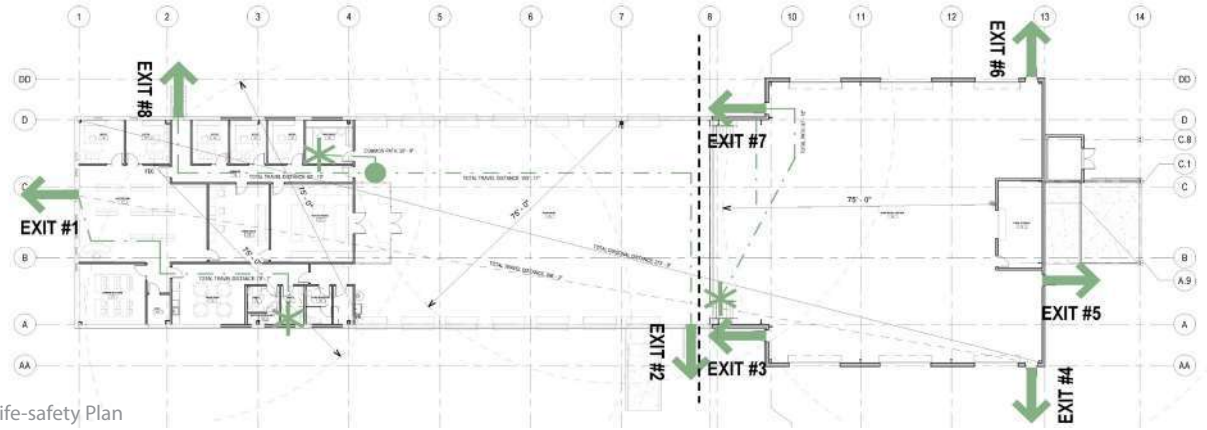
South Elevation



Building Cross- Section Through Atrium

Fountains at Gateway, Murfreesboro, Tennessee, USA.

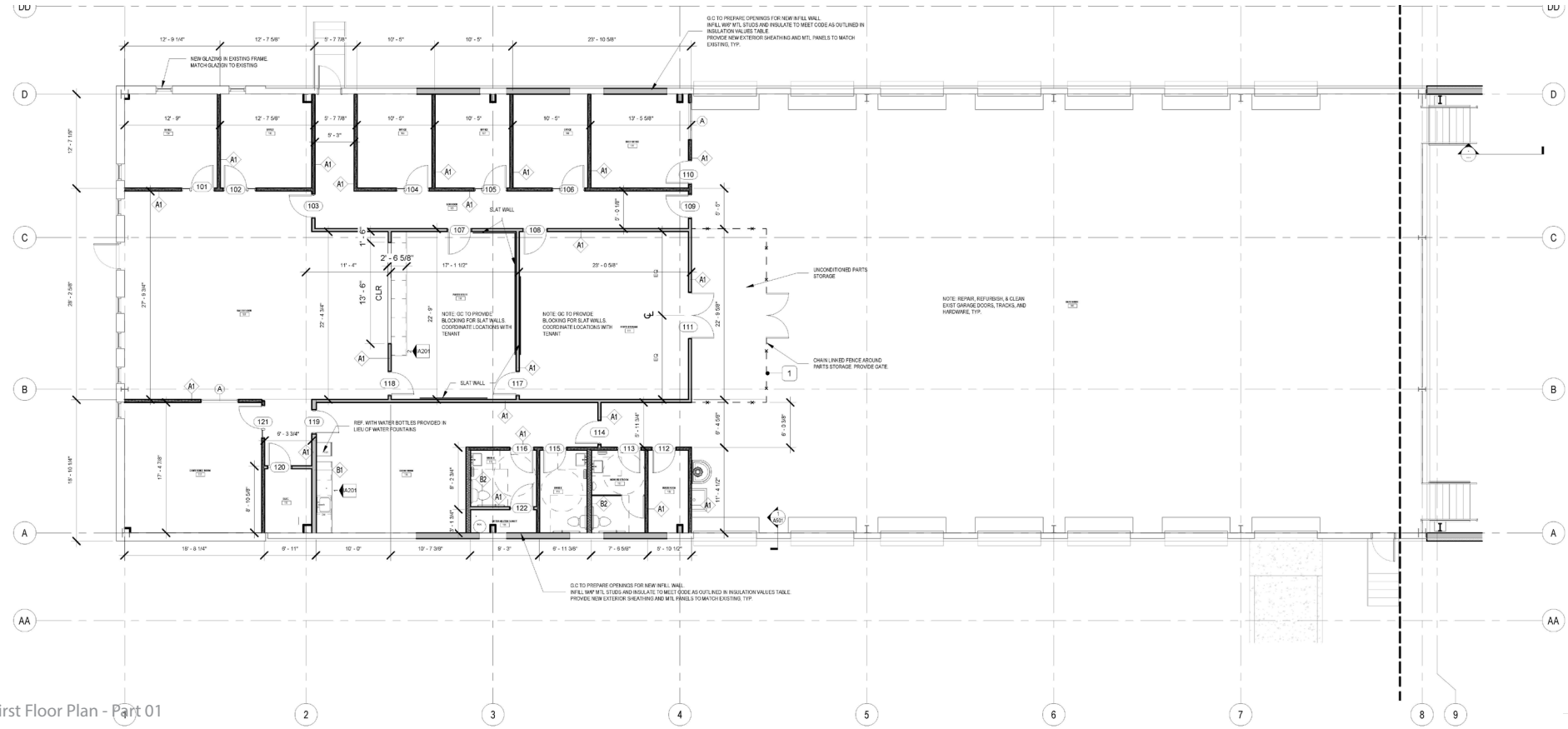
07 122 Charter Place - Alterra, Lebanon, TN, USA



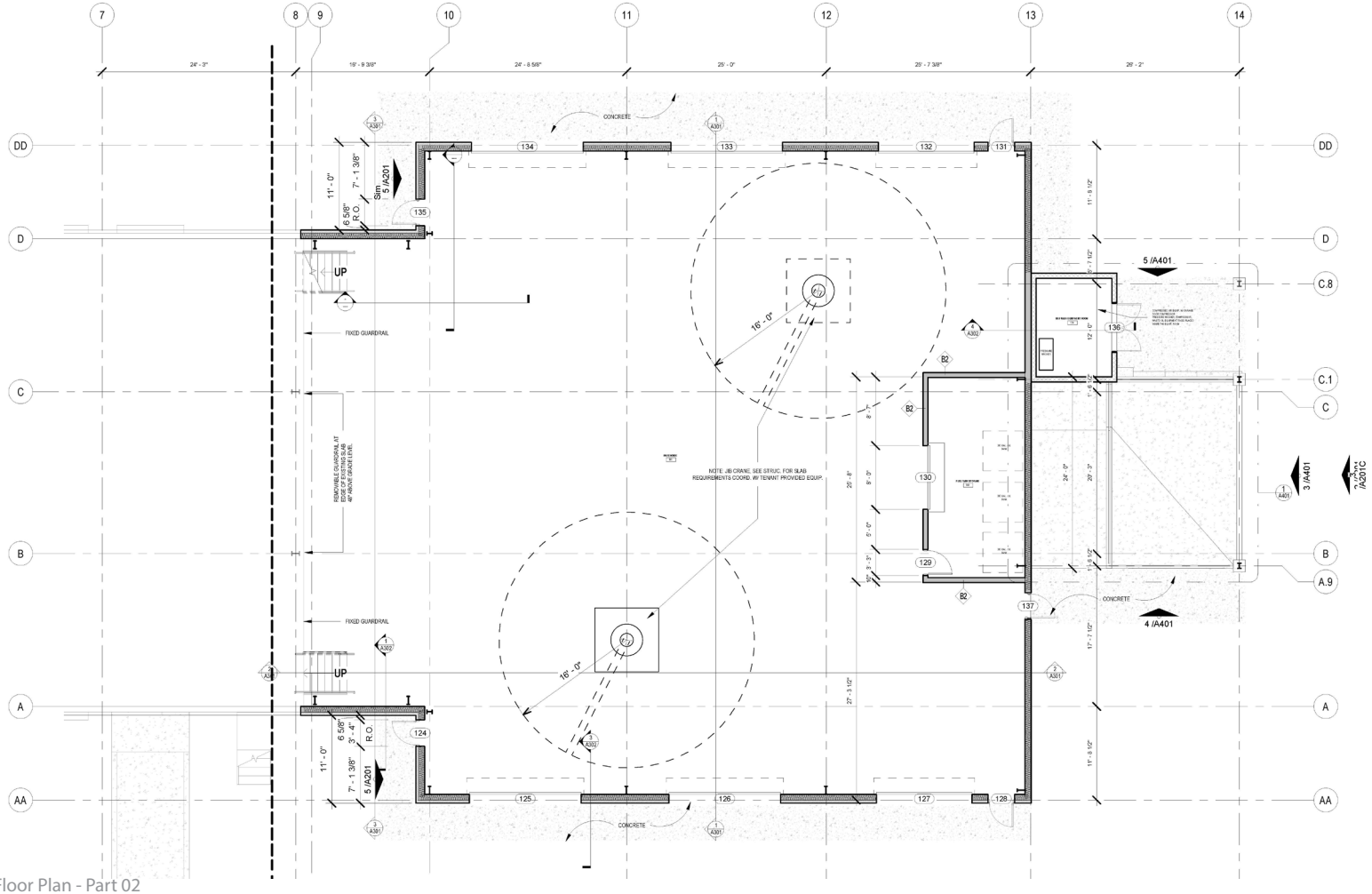
Life-safety Plan

122 Charter Place - Alterra is a warehouse renovation and addition project. The project consists of existing warehouse buidling of 10,221 SF which is renovated interiorly for addition od new offices and sales office area. On the rear side of the existing building there is an addition of a PEMB structure of 6,954 SF.

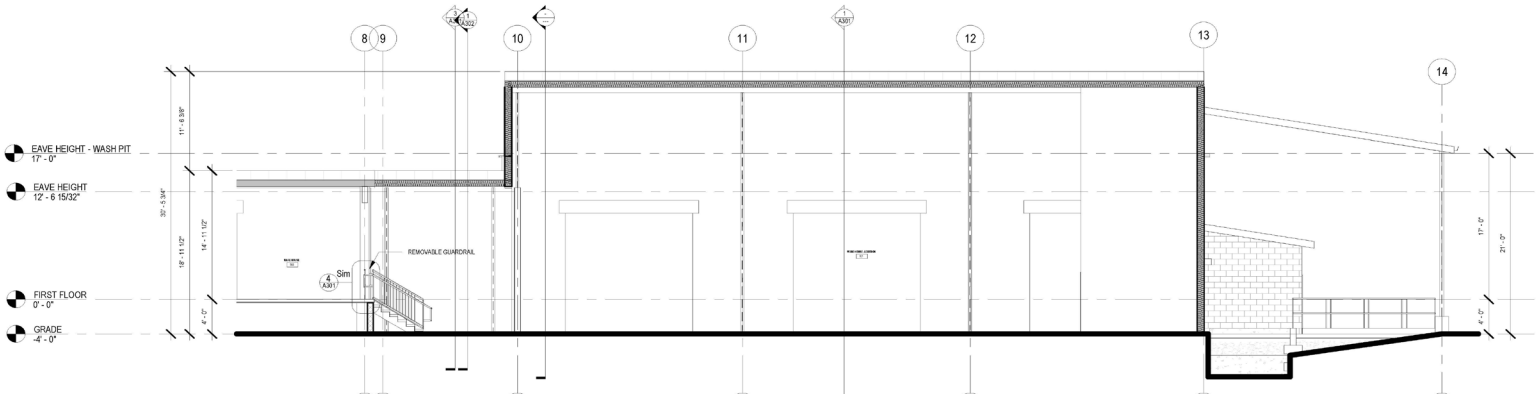
The PEMB structure will be used to store JIB cranes for sales purpose with a wash bay section for trucks on the southern side of the building.



First Floor Plan - Part 01



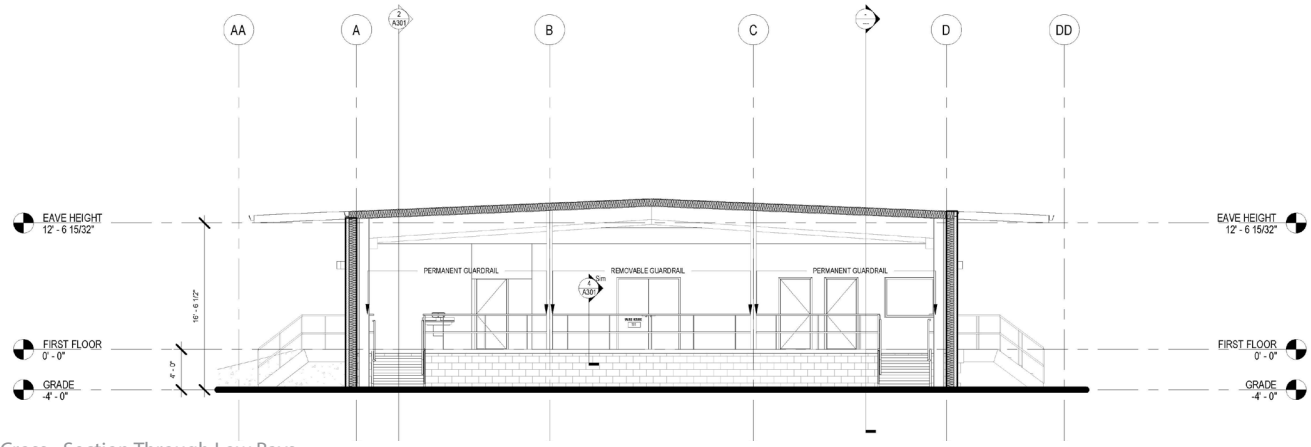
First Floor Plan - Part 02



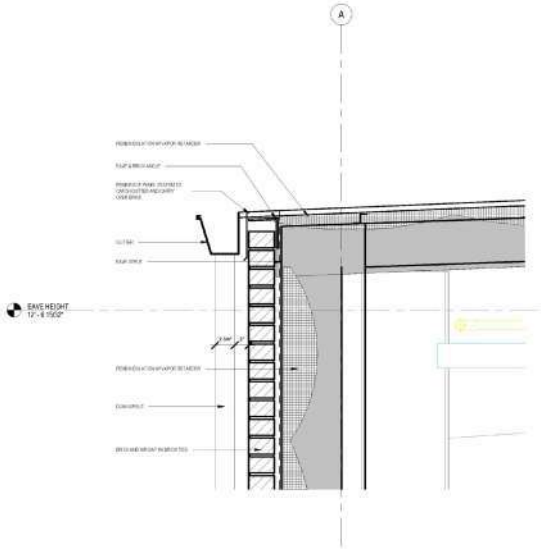
Transverse Section

Key Plan

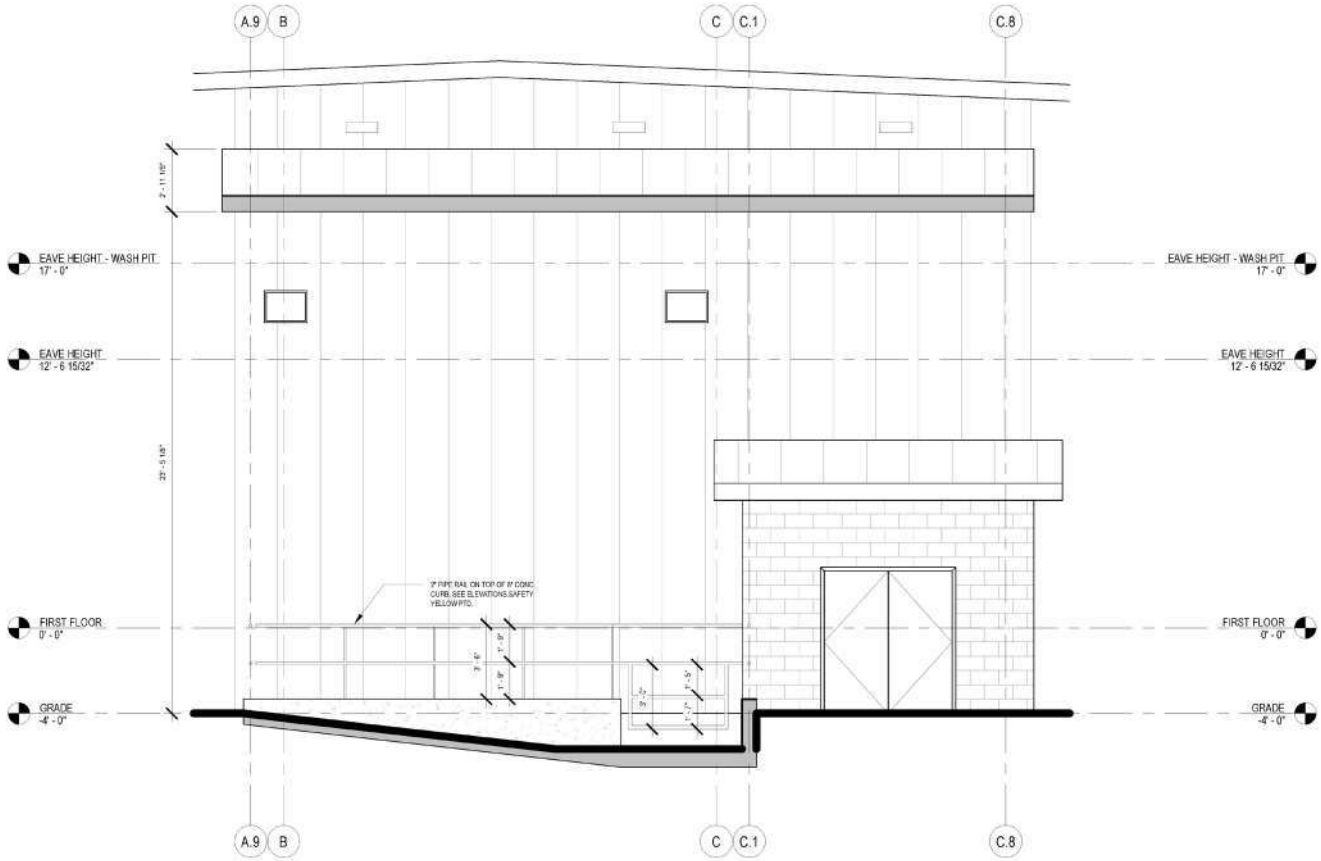
122 Charter Place - Alterra, Lebanon, Tennessee, USA.



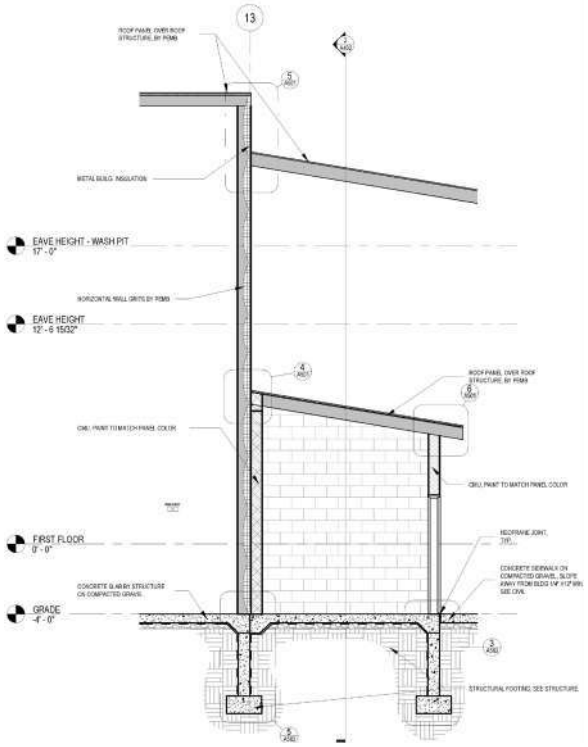
Cross - Section Through Low Bays



Detail of Gutter at Brick

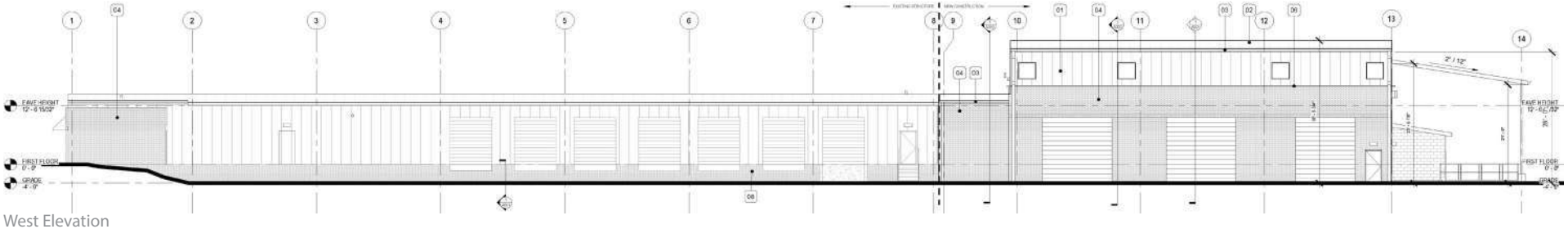


Wash bay section

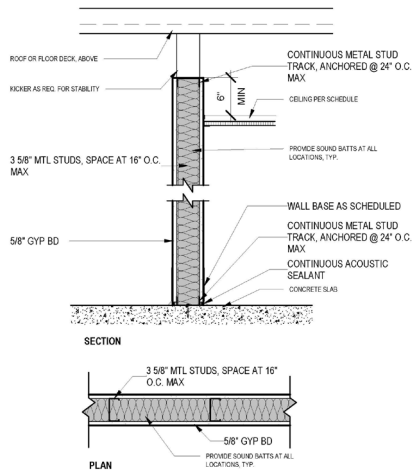


Section through warehouse wall

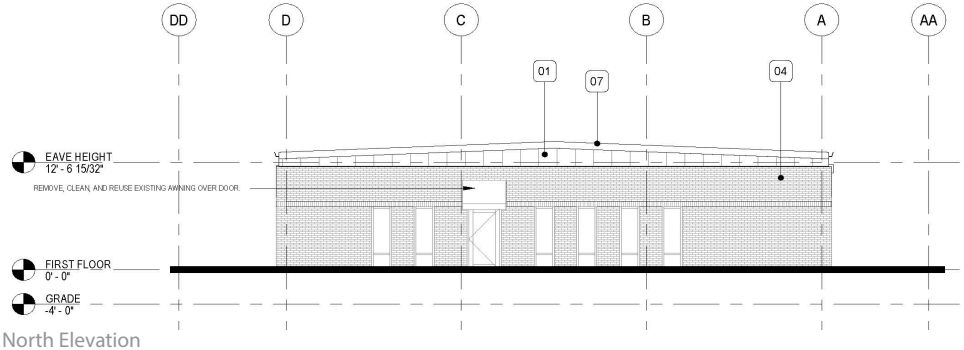
122 Charter Place - Alterra, Lebanon, Tennessee, USA.



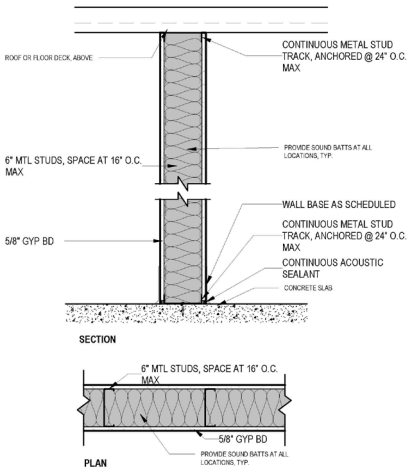
West Elevation



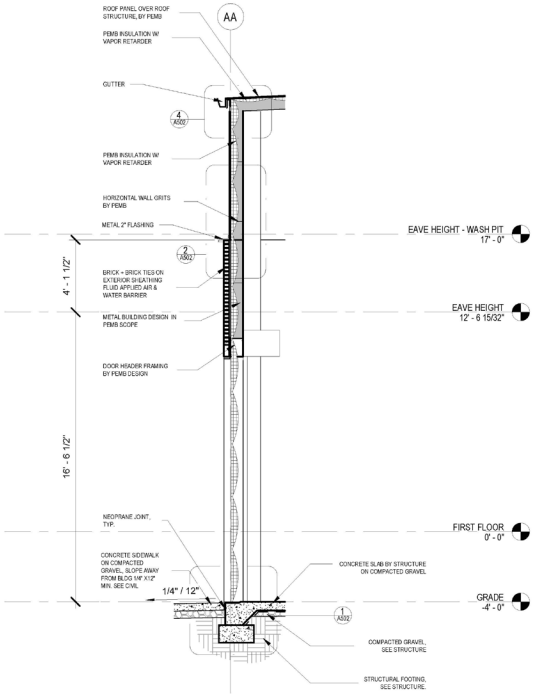
6" Metal Stud to deck wall detail



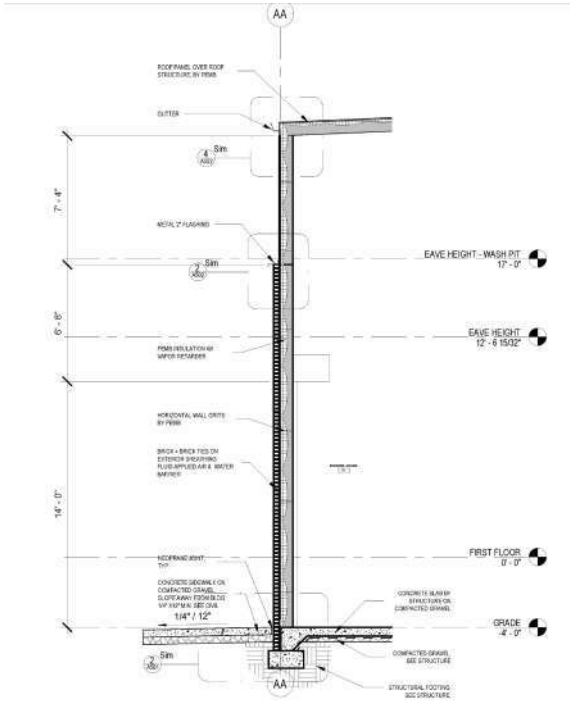
North Elevation



3 5/8" Metal Stud wall detail

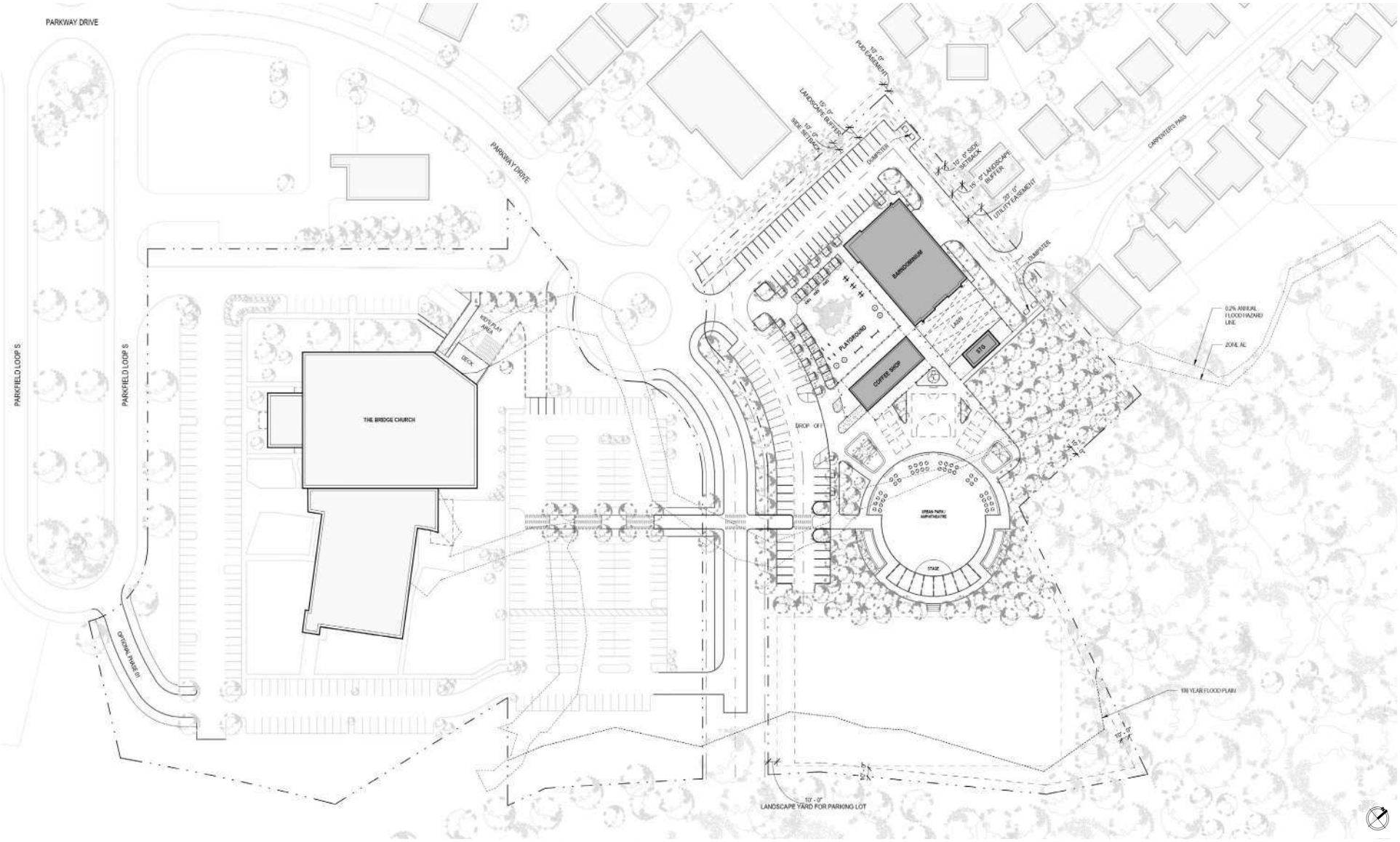


Section through Tall Bays



Section Through warehouse wall

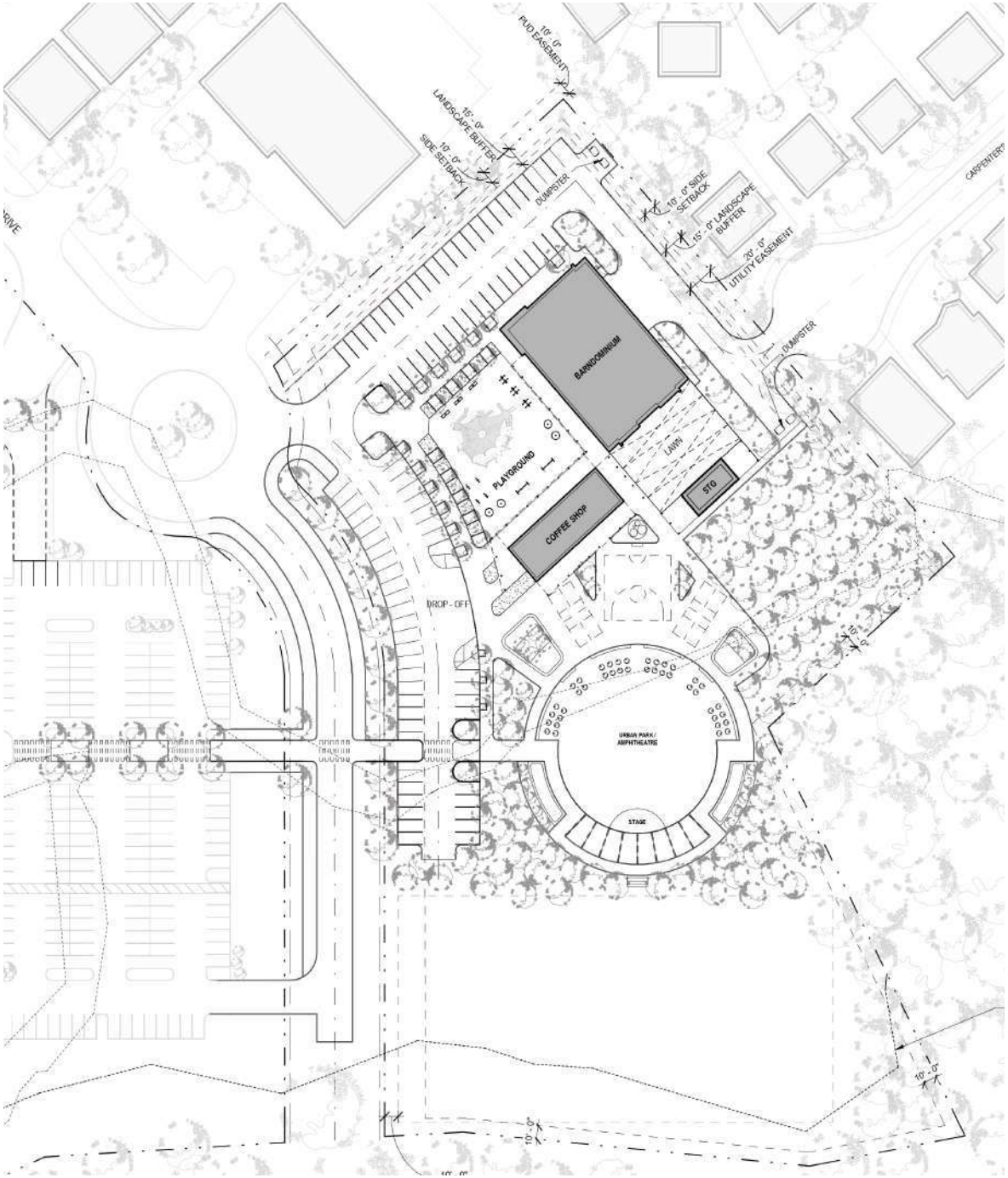
08 Bridge Church Renovation and Master Plan, Franklin, TN, USA



Master Plan

The project aims to renovate the existing Church building and expand as a event space and cafeteria which could be rented for event for people of all faiths. The project focuses on the concept of "People first, buildings later". As we approach the site, we see a central kid's play area surrounded by the Barndominium and Cafeteria buildings.

Bridge Church, Franklin, Tennessee, USA.



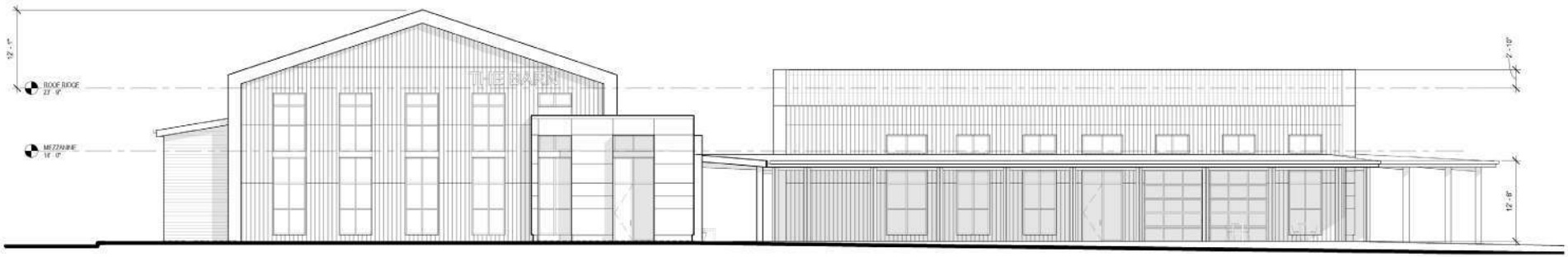
Master Plan - Barndominium with lawn on rear, Cafeteria, Kid's Play area, Amphitheatre with sports area.

The Master Plan development initiated with site study, zoning, and ordinances requirements followed by parking counts. The master plan includes a Barn building that will accommodate a event space along with service areas and restrooms and a pantry.

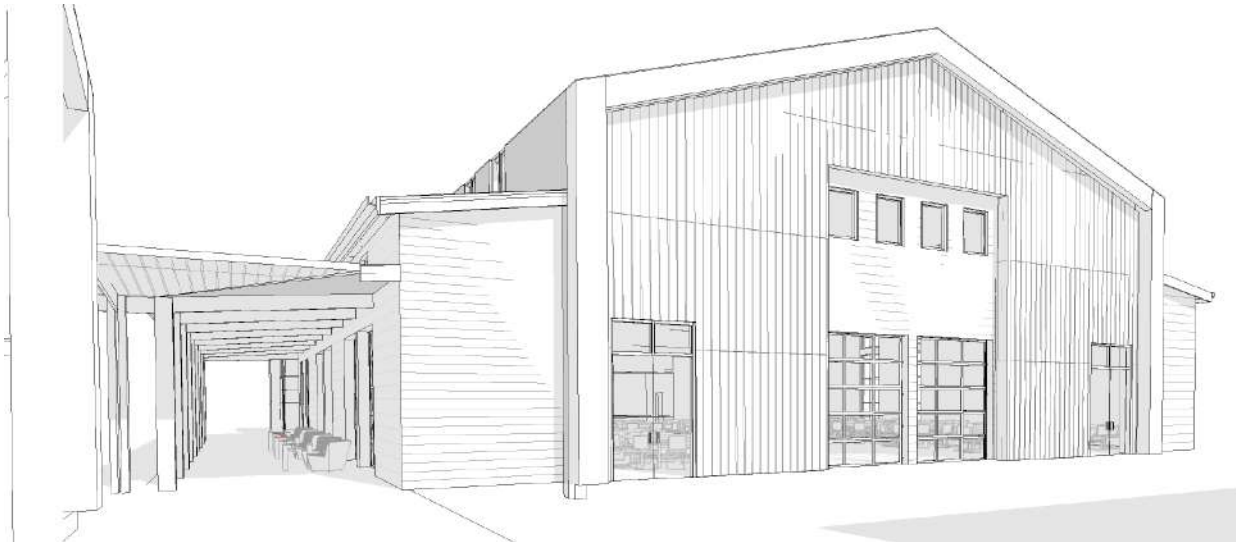
The Barndominium has a lawn behind it to host events in open air. The cafe will be serviced during the days when the event is being hosted. The Barn Building and the Cafeteria are located to open up in the central courtyard facing the kid's play area. On the rear side of the cafeteria follows the amphitheater or urban park surrounded by spaces carved to be used by pedestrians. As we proceed further, the site includes a open lawn to be used as a soccer court

Bridge Church, Franklin, Tennessee, USA.

South Elevation



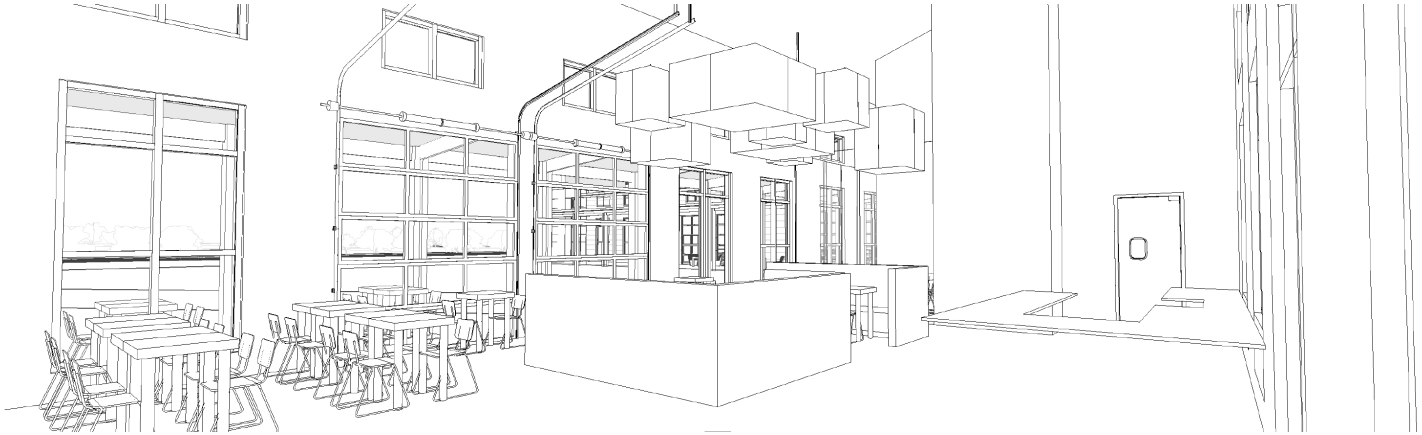
West Elevation



Rear Elevation of Barndominium

The project involved the renovation of the existing church building and developing a master plan for accommodating a barndominium, cafeteria, amphitheater, kid's play area, and sports field. The project involved proposing new spaces within the existing church building to accommodate mentoring areas for kids and teenagers, volunteer service rooms, and the expansion of a storage area.

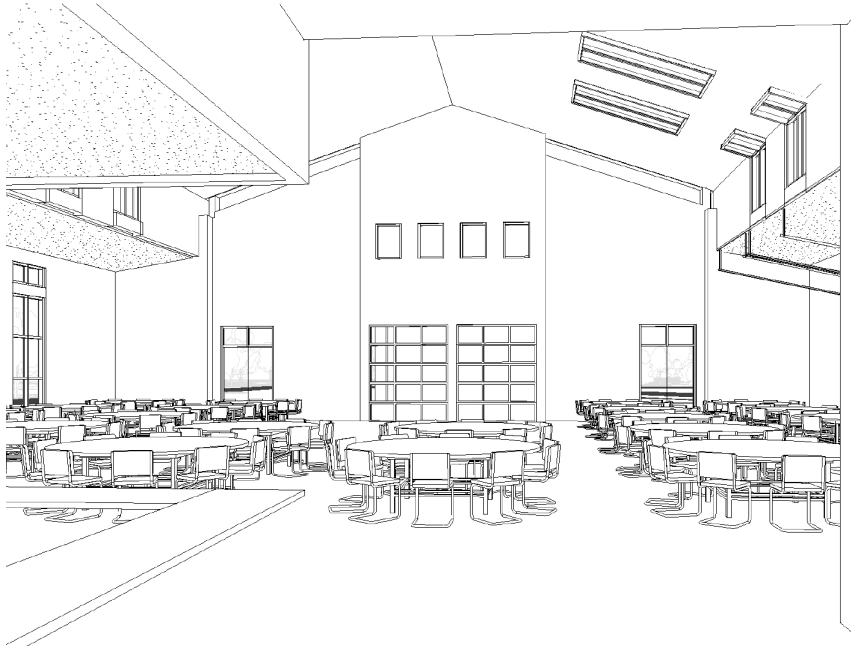
Bridge Church, Franklin, Tennessee, USA.



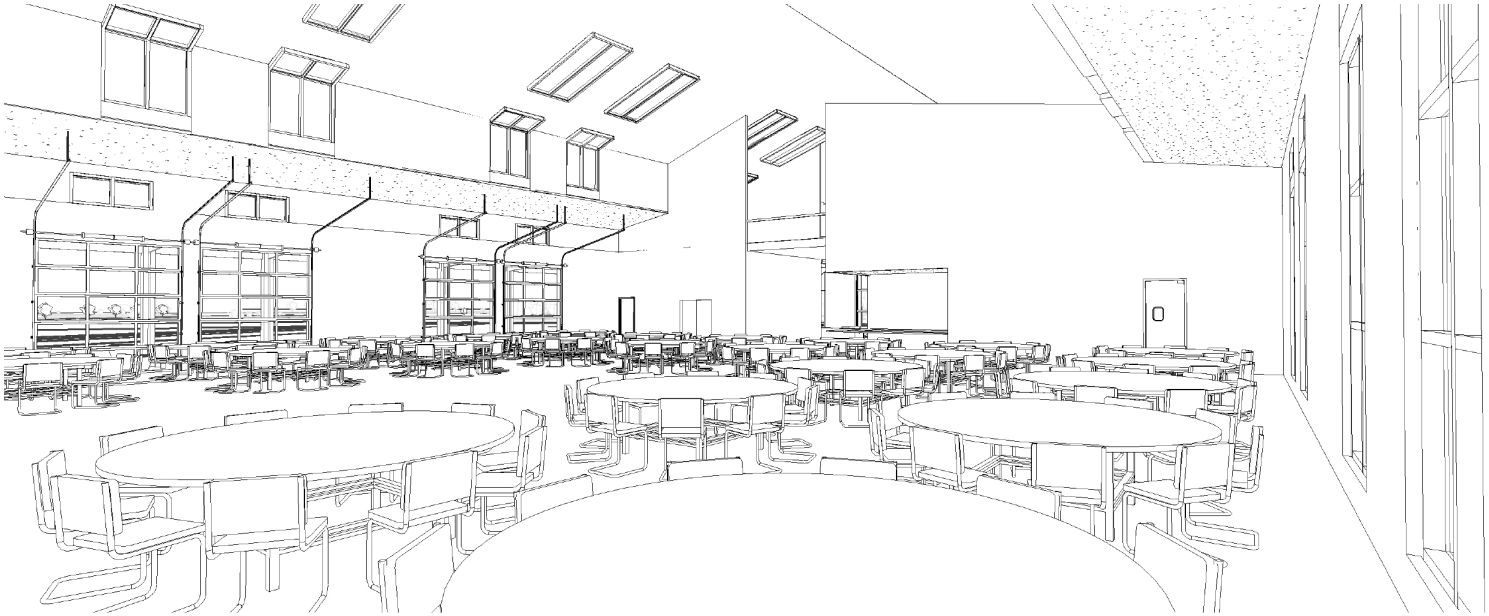
Interior view of Cafe

Bridge Church, Franklin, Tennessee, USA.

Cafeteria - Lounge Area



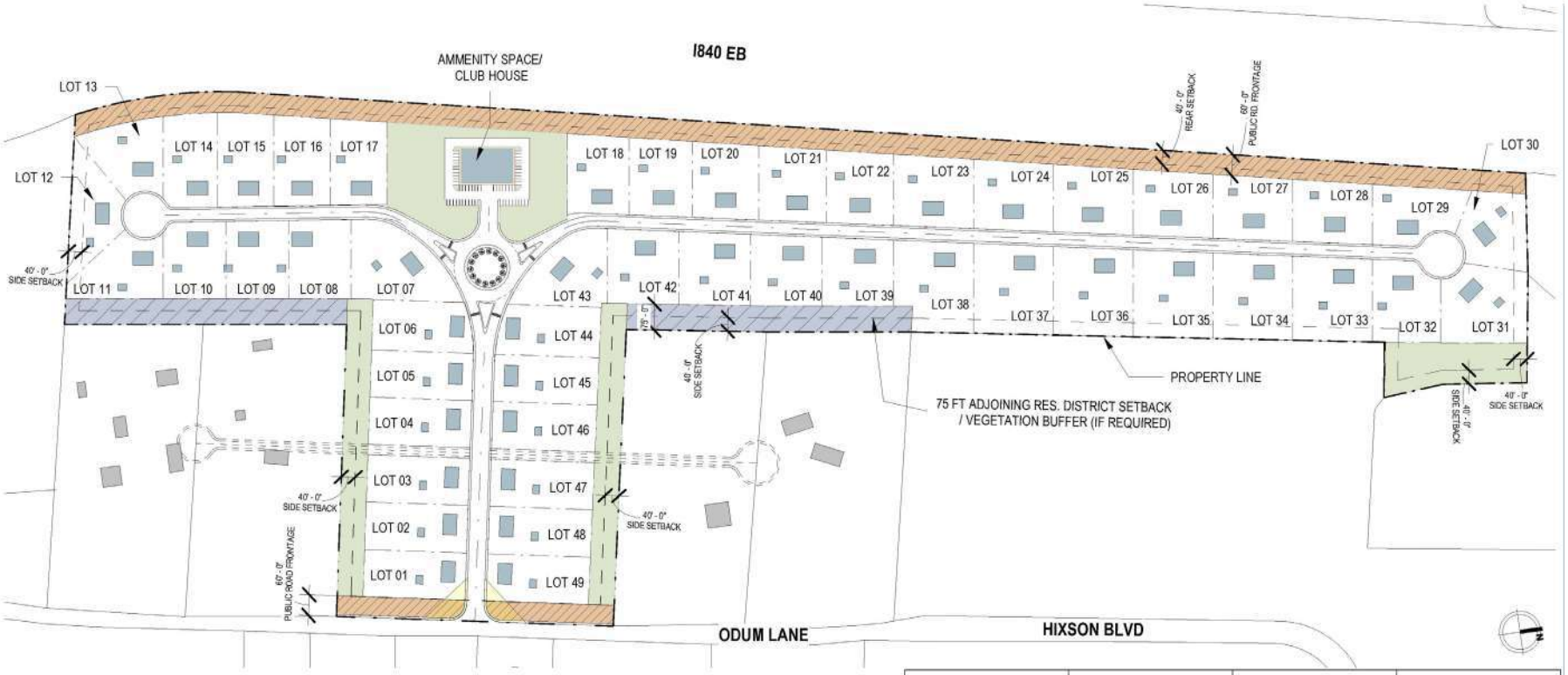
Barndominium - Event Seating



Barndominium

Bridge Church, Franklin, Tennessee, USA.

09 Charles Hawkins Retainer - Site Study and Area estimations



SITE PLAN FOR SINGLE FAMILY (RESIDENTIAL DEVELOPMENT)

MASSING KEY

- EXISTING BUILDING
- NEW BUILDING - SINGLE FAMILY
- ADJOINING RESIDENTIAL DISTRICT SETBACK / VEGETATION BUFFER (IF REQUIRED)
- 125 FT NO OBSTRUCTION ZONE FROM PUBLIC ROAD INTERSECTION
- PUBLIC ROAD FRONTAGE

NOTE: ANY ROW DEDICATIONS WILL NEED TO BE COORD. W/ CITY AND MAY AFFECT MASSING.

** MIN. LOT ASSUMPTION, SURVEY REQ. TO VERIFY.

SITE DATA

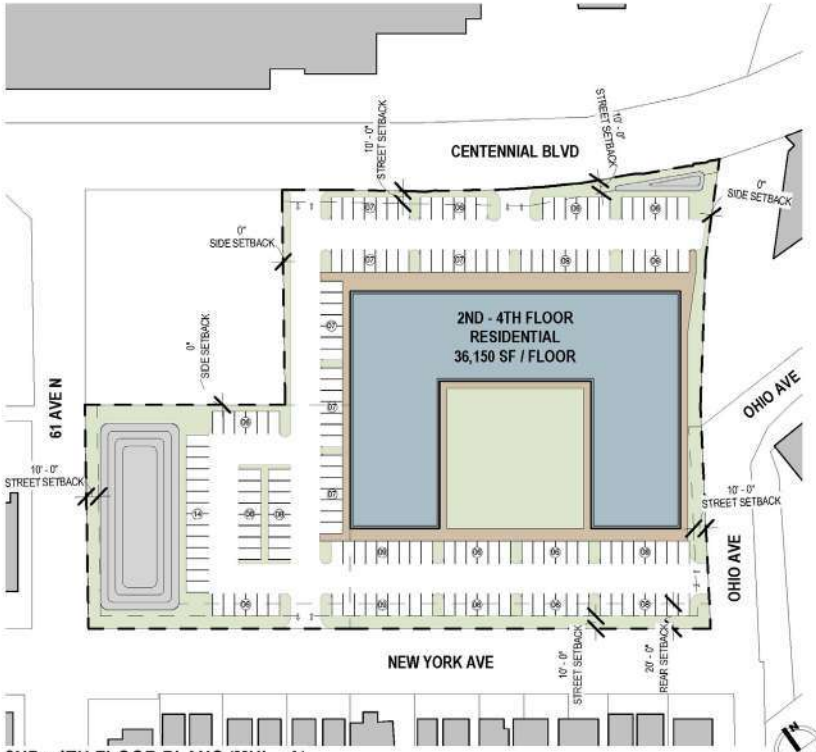
327 ODUM LANE (SETBACK FOR ENTIRE PARCEL):
CURRENT ZONING: A1
PARCEL AREA - +/- 48.48 AC
MIN. LOT AREA: 15,000 SQ FT
MIN. LOT WIDTH: N/A
MIN. PUBLIC ROAD FRONTAGE: 60 FT
MAX LOT COVERAGE: BUILDING AREA - 50% OF THE TOTAL LOT
MIN. FRONT SETBACK: 40FT
MIN. REAR SETBACK: 40 FT
MIN SIDE SETBACK: 40 FT
MIN. ADJOINING RES. DISTRICT SETBACK: 75 FT
MAX HEIGHT : 3 STORIES
MIN. TREE SAVE - 15%

327 ODUM LANE (SETBACK FOR INDIVIDUAL LOTS):
*SETBACKS ARE CONSIDERED FOR LOTS SERVED BY PUBLIC SEWER SYSTEM

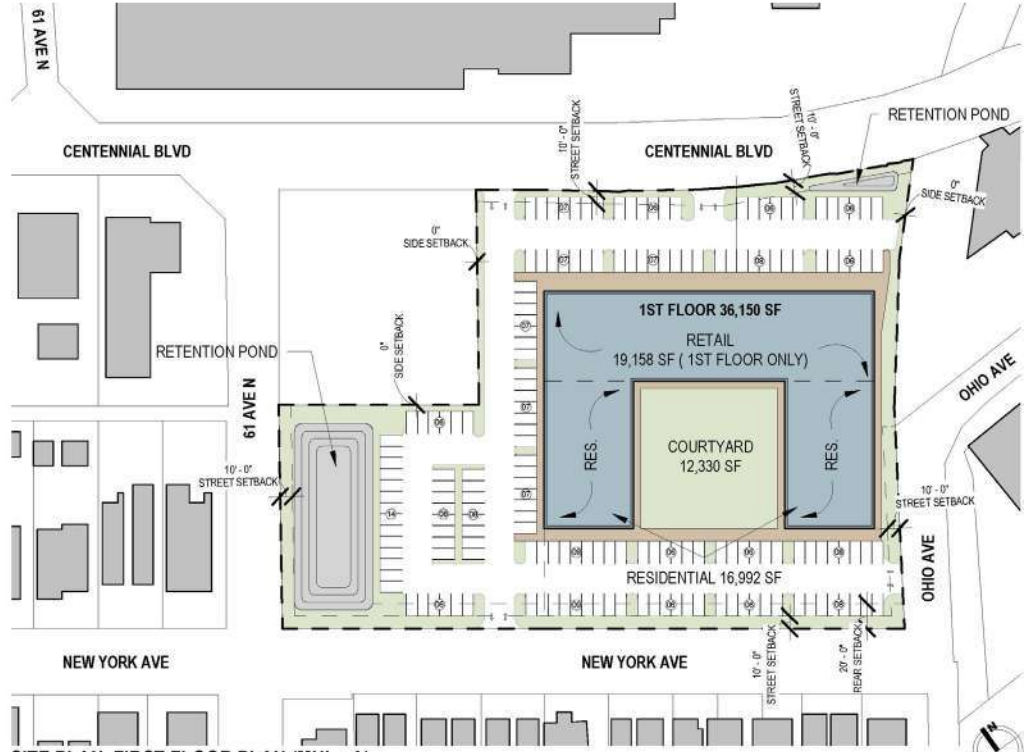
MIN. LOT AREA: 40,000 SQ FT
MIN. LOT WIDTH: 100 FT,
LOT WIDTH AT CUL-DE-SAC - 75 FT
MAX. LOT COVERAGE - 35%
MIN. PUBLIC ROAD FRONTAGE: 60 FT
MIN. FRONT YARD: 30 FT
MIN. REAR YARD: PRINCIPAL STRUCTURE - 40 FT
ACCESSORY STRUCTURE - 10 FT
MIN SIDE YARD: PRINCIPAL STRUCTURE - 20 FT (1-2 STORIES)
ACCESSORY STRUCTURE - 10 FT
3 STORIES STRUCTURE - 30 FT
MIN. ADJOINING RES. DISTRICT SETBACK: 75 FT
MAX HEIGHT : 3 STORIES

LOT AREAS		LOT AREAS		LOT AREAS		LOT AREAS	
Name	Area	Name	Area	Name	Area	Name	Area
LOT 01	40451.12 SF	LOT 14	42354.64 SF	LOT 26	43564.54 SF	LOT 39	40529.19 SF
LOT 02	40451.12 SF	LOT 15	44208.69 SF	LOT 27	42335.22 SF	LOT 40	42255.29 SF
LOT 03	40451.12 SF	LOT 16	42178.62 SF	LOT 28	41105.90 SF	LOT 41	43425.55 SF
LOT 04	40451.12 SF	LOT 17	40061.60 SF	LOT 29	40088.80 SF	LOT 42	44396.47 SF
LOT 05	40451.12 SF	LOT 18	40774.96 SF	LOT 30	40227.14 SF	LOT 43	46869.52 SF
LOT 06	41782.86 SF	LOT 19	40728.48 SF	LOT 31	53372.32 SF	LOT 44	42551.59 SF
LOT 07	56527.98 SF	LOT 20	42047.09 SF	LOT 32	44159.01 SF	LOT 45	41347.37 SF
LOT 08	41447.08 SF	LOT 21	41755.61 SF	LOT 33	55953.49 SF	LOT 46	41173.57 SF
LOT 09	40910.77 SF	LOT 22	40878.20 SF	LOT 34	56937.74 SF	LOT 47	40961.57 SF
LOT 10	40051.70 SF	LOT 23	47252.50 SF	LOT 35	57924.82 SF	LOT 48	40787.77 SF
LOT 11	40285.02 SF	LOT 24	46023.18 SF	LOT 36	58911.89 SF	LOT 49	40613.97 SF
LOT 12	40244.71 SF	LOT 25	44793.86 SF	LOT 37	59898.97 SF		
LOT 13	40342.64 SF			LOT 38	56943.90 SF		

327 Odum Lane, Lebanon, TN



2ND - 4TH FLOOR PLANS (MUL - A)



SITE PLAN, FIRST FLOOR PLAN (MUL - A)

MASSING KEY

- NEW BUILDING
- EXISTING BUILDING

PROPOSED
ZONING: MUL -A

SITE DATA

CURRENT ZONING: R6, CS, OV - UZO.
PROPOSED ZONING: MUL - A
MIN. LOT AREA: N/A
MIN. LOT WIDTH: N/A
MIN. FRONTAGE REQUIREMENT: 00 FT
MAX LOT COVERAGE: N/A
MAX DENSITY: N/A
MAX FAR: 1.00
MAX ISR: 0.90
MIN. FRONT SETBACK: 00 FT
MIN. REAR SETBACK: 20 FT
MIN SIDE SETBACK: 00 FT
MIN STEP-BACK: 15 FT
MAX HEIGHT : 4 STORIES IN 60 FT
MAX HEIGHT IN BUILT-TO-ZONE: 3 STORIES IN 45 FT
MAX BUILD-TO-ZONE: 0-15 IN UZO, 0-80 OUTSIDE OF THE UZO
STREET SETBACK: 10 FT

NOTE: ANY ROW DEDICATIONS WILL NEED TO BE COORD. W/ CITY AND MAY AFFECT MASSING.
**NOTE: RE-ZONING LAND / OR A SP WILL BE REQUIRED TO ACQUIRE THIS PROPOSED CONCEPT.

BUILDING AREA BREAKDOWN

APPROX. SITE AREA: 3.32 AC / 144,619.20 SF*
144,619.20 x 1 (FAR) = 144,619.20 SF
PERVIOUS SURFACE = 144,619.20 x 10% = 14,461.92 SF

1ST FLOOR:	36,150 +/- SF OF MULTI -FAMILY RES
	(19,158 +/- SF OF GEN. RETAIL + 16,992 +/- SF OF RES)
2ND - 4TH FLOOR:	36,150 +/- SF OF MULTI -FAMILY RES
TOTAL BUILDING:	144,600 GSF

MUL - A : 144,600 SF

*SURVEY REQUIRED TO DETERMINE ACTUAL LOT SIZE AND SETBACKS TO VERIFY MASSING
***NOTE:** BUILDING SET BEYOND SETBACKS TO GAIN ADDITIONAL HEIGHT PER SLOPE OF HEIGHT CONTROL PLANE.

PARKING ESTIMATES

MULTI-FAMILY: NON-UZO: 1 SPACE PER BEDROOM UP TO 2 BEDROOMS;
0.5 SPACES PER BEDROOM FOR EACH ADDITIONAL BEDROOM.
UZO: 1 SPACE PER STUDIO AND/OR 1 BEDROOM, 1.5 SPACES PER 2+ BDS

GEN. RETAIL: NON-UZO:1 SPACE PER 200 SF
UZO:FIRST 2,000 SF EXEMPT; 1 SPACE PER 200 SF FOR 2,000 to 50,000 SF.

144,600 @ 22% EFFICIENCY = 31,812 +/- GSF

PARKING ESTIMATES

BUILDING AREAS:
7 GEN. RETAIL UNITS TOTAL @ 2,736 SF +/- AVG/UNIT PROVIDED AT FIRST FLOOR
EST. PARKING REQUIRED FOR RETAIL = 86 SPACES

111 UNITS TOTAL @ 900 SF +/- AVG./UNIT

28 STUDIO UNITS X 1	= 28 SPACES
48 ONE BED UNITS X 1	= 48 SPACES
35 TWO+ BED UNITS X 1.5	= 52.5 SPACES
EST. PARKING REQUIRED FOR MUL.FAMILY	= 128.5 SPACES
UZO TOTAL MAX. SPACES	= 214.5 SPACES MAX.

REDUCTION = 8 SPACES (ON STREET PARKING ACCESS)
= 215 - 8 = 207 SPACES (MAX.)

1ST FLOOR OPEN PARKING GARAGE @ 142/FL = 174 SPACES

207 PARKING SPACES REQUIRED (MAX.), **174 PARKING SPACES PROVIDED**

*PARKING REQUIREMENTS MUST BE FINALIZED ONCE BUILDING FOOTPRINT HAS BEEN DETERMINED
*CIVIL SITE PLAN MUST BE APPROVED BY CITY/ZONING, FINAL SQUARE FOOTAGE APPROVED THROUGH CITY PROCESS.

10 Hyatt JDV, Murfreesboro, TN, USA

The project involved analyzing the site, height regulations, master planning, and schematic massing for the hotel building with parking requirements and service areas. Program analysis for Atrium, hotel lobby, restaurants, banquet hall, and hotel rooms with amenities such as gymnasium, family areas and kid's play area.

MAJOR AND COLLECTOR STREET PLAN

MURFREESBORO PIKE - T3-M-AB7-JM
FRONTAGE ZONE: 18" MIN
PEDESTRIAN TRAVELWAY (SIDEWALK): 8 FT
GREEN ZONE: 6 FT
PROTECTED BIKEWAY: 2 FT PROTECTED BUFFER, 6 FT BIKEWAY STANDARD.
STANDARD LANE: 10' - 11'
TOTAL ROW REQ.: 124'
HALF ROW REQ. : 62'

NOTE: ANY ROW DEDICATIONS WILL NEED TO BE COORD. & CONF. W/ CITY AND MAY AFFECT MASSING.

ZONING INFO

CURRENT ZONING: CL
PROPOSED ZONING: OG
COMMUNITY CHARACTER: D - OC
MIN. LOT AREA: N/A
MAX FAR: 1.5
MAX JSR: 0.80
MIN. REAR SETBACK: 20 FT
MIN SIDE SETBACK: 5 FT
STREET SETBACK: 20 FT
MAX HEIGHT AT SETBACK LINE : 30 FT
SLOPE OF HEIGHT CONTROL PLANE (V TO H) : 1.5 TO 1

SITE INFO

APPROX. SITE AREA: 6.93 AC/ 301,871 SF*
MAX FAR (1.5) = 301,871 x 1.5 = 452,806.5 SF
ADDITIONAL ALLOWABLE BUILDING = 452,806.5 - 150,000 SF = 302,806 SF
MAX JSR (0.80) = 301,871 X 0.80 = 241,497 SF

LEGEND

- HOTEL ROOMS
- COMMERCIAL / RESTAURANT
- OFFICE
- WINTER GARDEN & PROMENADE
- AMMENITY
- LUCKEY CLIMBER
- PARKING GARAGE
- BUILDING SERVICES
- STAIR & CIRCULATION
- STUDIO
- 1 BD
- 2 BD
- 3 BD

Master Plan

FOURTH - TWELFTH FLOORS
STUDIOS/CONDOS: 90 UNITS
04 1 BD UNITS
02 2 BD UNITS
04 3 BD UNITS
10 TOTAL UNITS / FLOOR

THIRD FLOORS
STUDIOS/CONDOS: 16 UNITS
09 STUDIO UNITS
07 1 BD UNITS
16 TOTAL UNITS

FOURTH - FIFTH FLOOR
HOTEL ROOMS:
29 STANDARD ROOMS
06 SUITES
35 TOTAL UNITS / FLOOR

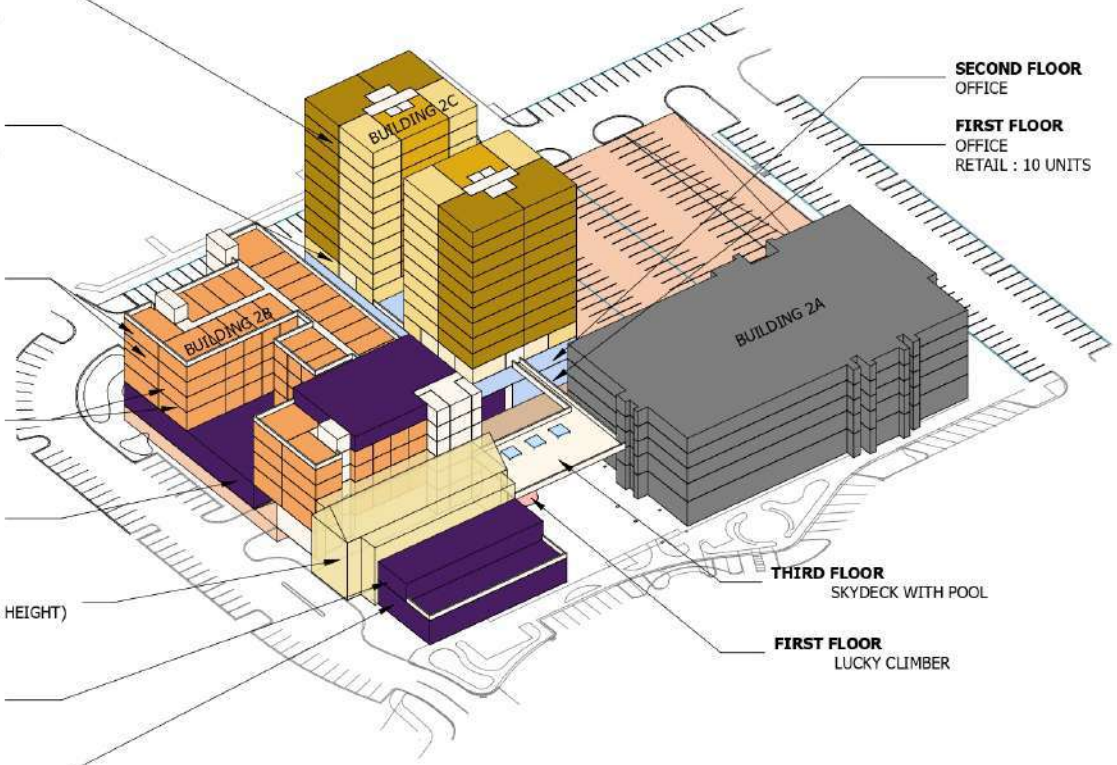
SECOND - THIRD FLOOR
HOTEL ROOMS:
28 STANDARD ROOMS
05 SUITES
33 TOTAL UNITS / FLOOR

FIRST FLOOR
RETAIL / COMMERCIAL

FIRST FLOOR
WINTER GARDEN (DOUBLE HEIGHT)

SECOND FLOOR
EVENT SPACE

FIRST FLOOR
RESTAURANT



SECOND FLOOR
OFFICE

FIRST FLOOR
OFFICE
RETAIL : 10 UNITS

THIRD FLOOR
SKYDECK WITH POOL

FIRST FLOOR
LUCKY CLIMBER

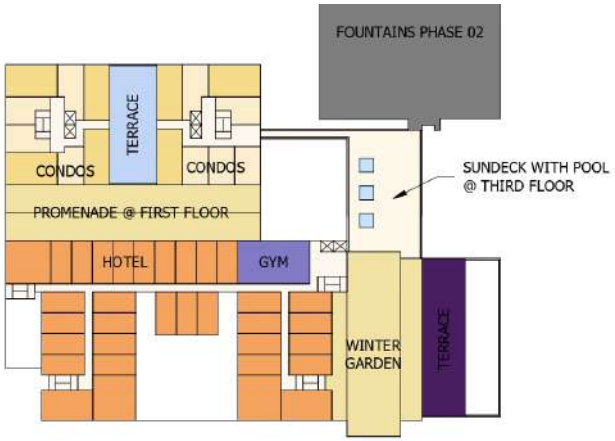
BUILDING 2A:
FOUNTAINS PHASE 02

BUILDING 2B: HYATT JDV
TOTAL AREA: 135,491 SF
HOTEL - 132 ROOMS
RETAIL - 10 BOUTIQUE UNITS
(SHOPPING ARCADE VIEWING ATRIUM)
01 RETAIL/ COMMERCIAL UNIT
(TOWARDS STREET)
RESTAURANT- 12,438 SF
EVENT SPACE - 3,534 SF
AMMENITIES:
FULL SWING, GYMNASIUM & FAMILY AREA - 4,824 SF

BUILDING 2C: OFFICE AND APARTMENT
TOTAL AREA: 162,500 SF
RETAIL - 10 BOUTIQUE UNITS
(SHOPPING ARCADE VIEWING ATRIUM)
OFFICE - 23,517 SF

MUL. FAMILY:
TOTAL UNITS = 106 UNITS
STUDIOS = 09 UNITS = 9%
01 BD = 43 UNITS= 40%
02 BD = 18 UNITS = 17%
03 BD = 36 UNITS = 34%
TOTAL:106 UNITS

LEGEND
- HOTEL ROOMS
- COMMERCIAL / RESTAURANT
- OFFICE
- WINTER GARDEN & PROMENADE
- BUILDING SERVICES
- STAIR & CIRCULATION
- AMMENITY
- LUCKEY CLIMBER
- PARKING GARAGE
- STUDIO
- 1 BD
- 2 BD
- 3 BD



Third Floor Plan

Second Floor Plan

FOURTH - TWELFTH FLOORS
STUDIOS/CONDOS: 90 UNITS
04 1 BD UNITS
02 2 BD UNITS
04 3 BD UNITS
10 TOTAL UNITS / FLOOR

THIRD FLOORS
STUDIOS/CONDOS: 16 UNITS
09 STUDIO UNITS
07 1 BD UNITS
16 TOTAL UNITS

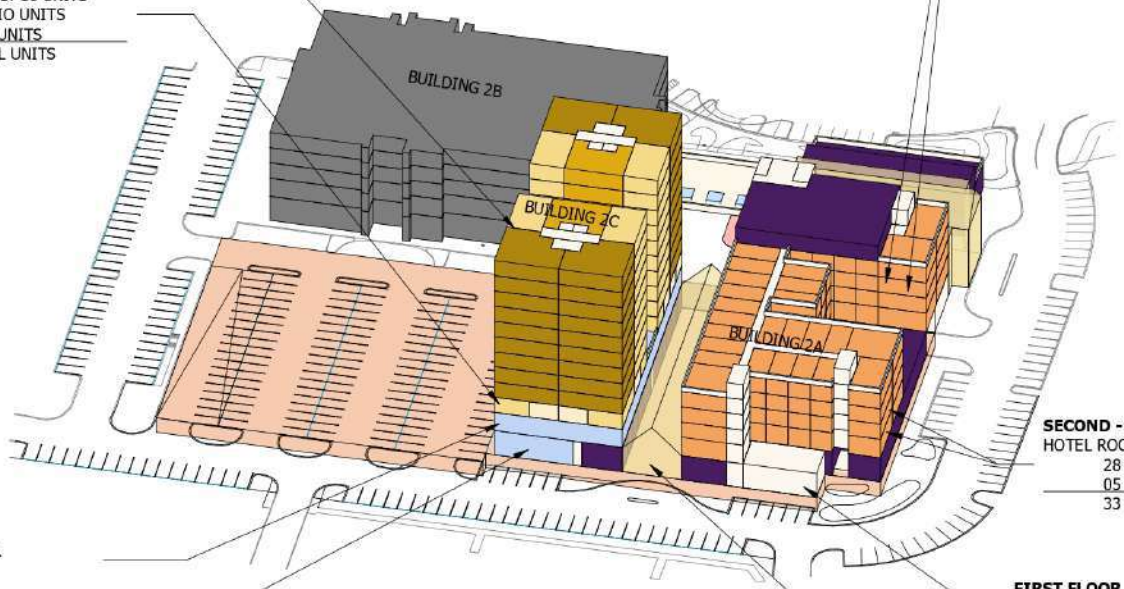
FOURTH - FIFTH FLOOR
HOTEL ROOMS:
29 STANDARD ROOMS
06 SUITES
35 TOTAL UNITS / FLOOR

BUILDING 2A:
FOUNTAINS PHASE 02

BUILDING 2B: HYATT JDV
TOTAL AREA: 135,491 SF
HOTEL - 132 ROOMS
RETAIL - 10 BOUTIQUE UNITS
(SHOPPING ARCADE VIEWING ATRIUM)
01 RETAIL/ COMMERCIAL UNIT
(TOWARDS STREET)
RESTAURANT- 12,438 SF
EVENT SPACE - 3,534 SF
AMMENITIES:
FULL SWING, GYMNASIUM & FAMILY AREA - 4,824 SF

BUILDING 2C: OFFICE AND APARTMENT
TOTAL AREA: 162,500 SF
RETAIL - 10 BOUTIQUE UNITS
(SHOPPING ARCADE VIEWING ATRIUM)
OFFICE - 23,517 SF

MUL. FAMILY:
TOTAL UNITS = 106 UNITS
STUDIOS = 09 UNITS = 9%
01 BD = 43 UNITS= 40%
02 BD = 18 UNITS = 17%
03 BD = 36 UNITS = 34%
TOTAL:106 UNITS



SECOND - THIRD FLOOR
HOTEL ROOMS:
28 STANDARD ROOMS
05 SUITES
33 TOTAL UNITS / FLOOR

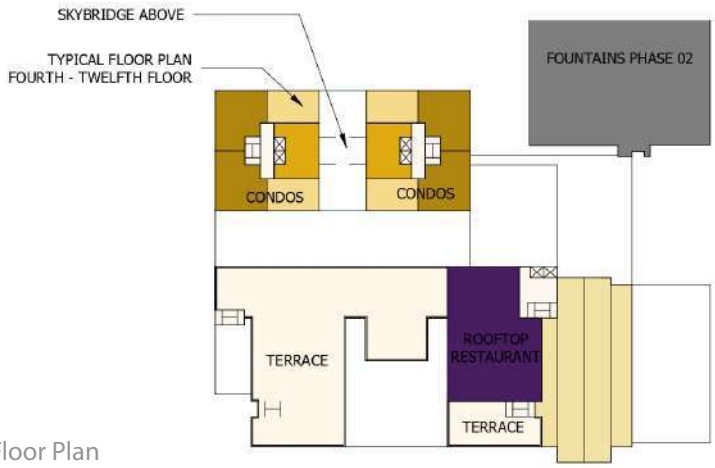
SECOND FLOOR
OFFICE

FIRST FLOOR
OFFICE
RETAIL : 10 UNITS

FIRST FLOOR
SERVICE CORNER

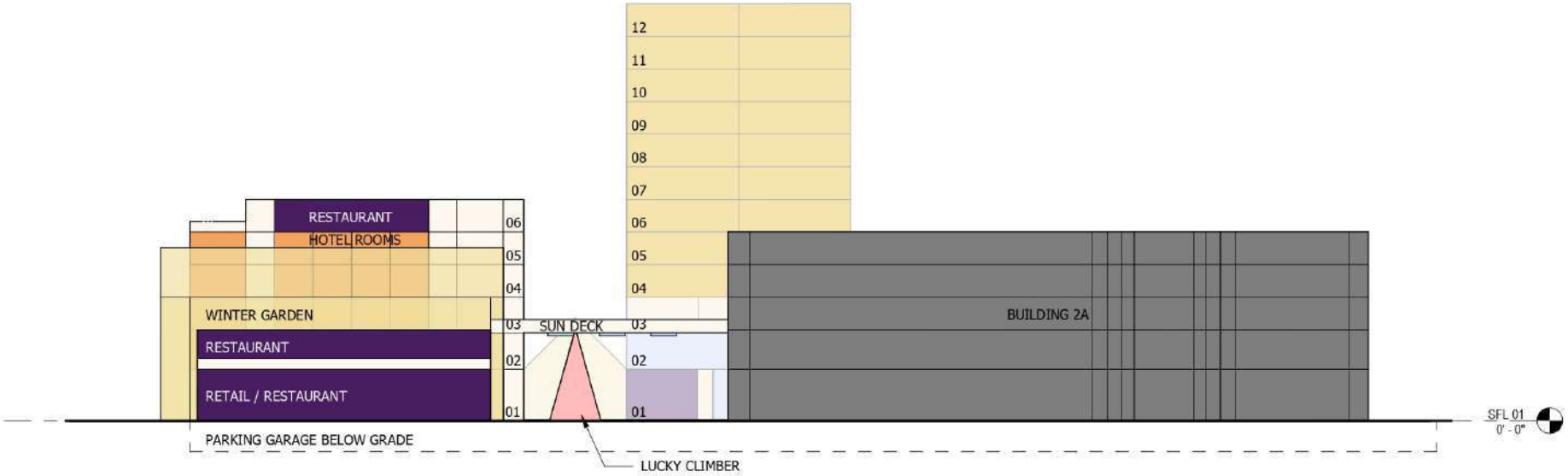
FIRST FLOOR
PROMENADE

LEGEND
- HOTEL ROOMS
- COMMERCIAL / RESTAURANT
- OFFICE
- WINTER GARDEN & PROMENADE
- BUILDING SERVICES
- STAIR & CIRCULATION
- AMMENITY
- LUCKEY CLIMBER
- PARKING GARAGE
- STUDIO
- 1 BD
- 2 BD
- 3 BD

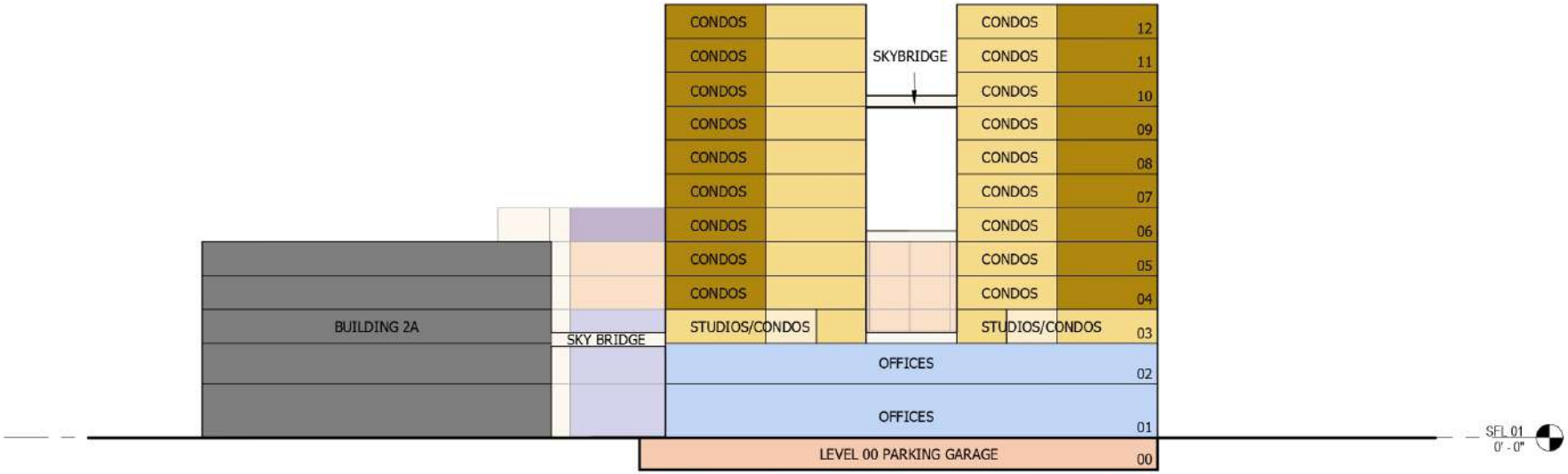


Sixth Floor Plan

Fourth - Fifth Floor Plan



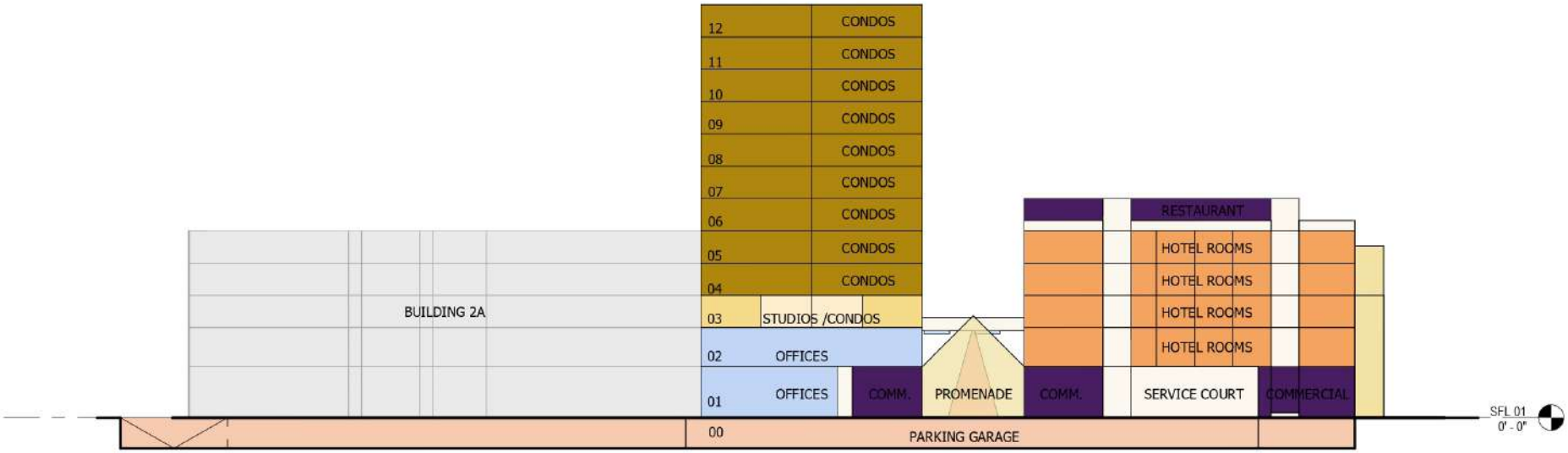
Section D - Building 2A - 2B



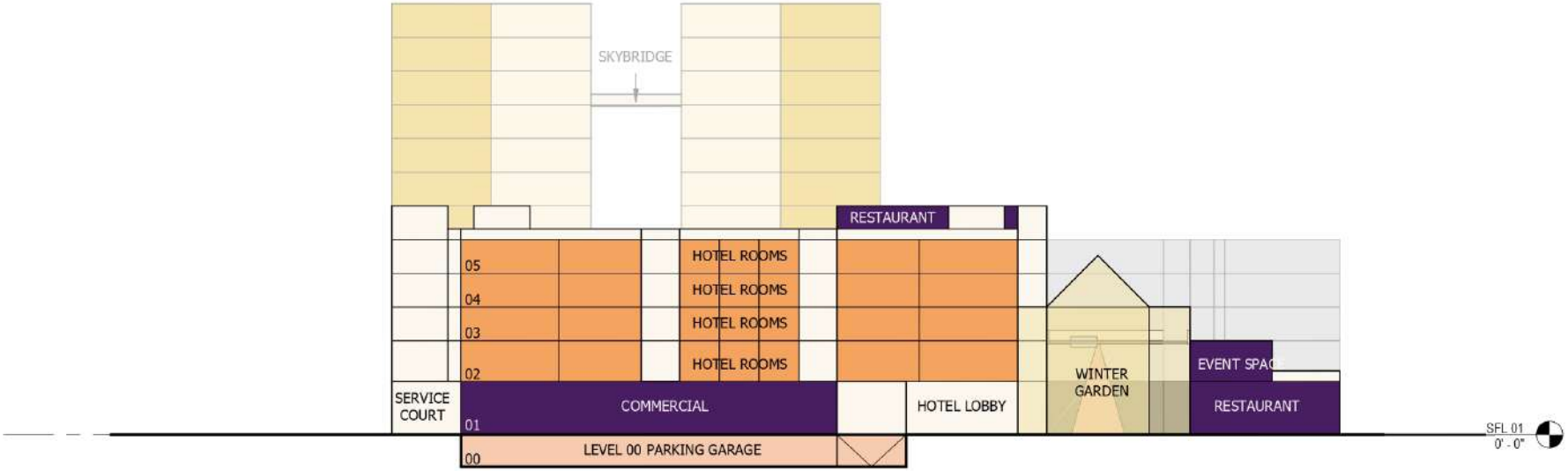
Section B - Building 2A - 2C

LEGEND

- HOTEL ROOMS
- COMMERCIAL / RESTAURANT
- OFFICE
- WINTER GARDEN & PROMENADE
- AMMENITY
- LUCKEY CLIMBER
- PARKING GARAGE
- BUILDING SERVICES
- STAIR & CIRCULATION
- STUDIO
- 1 BD
- 2 BD
- 3 BD



Section C - Building 2B - 2C



Section A - Building 2B

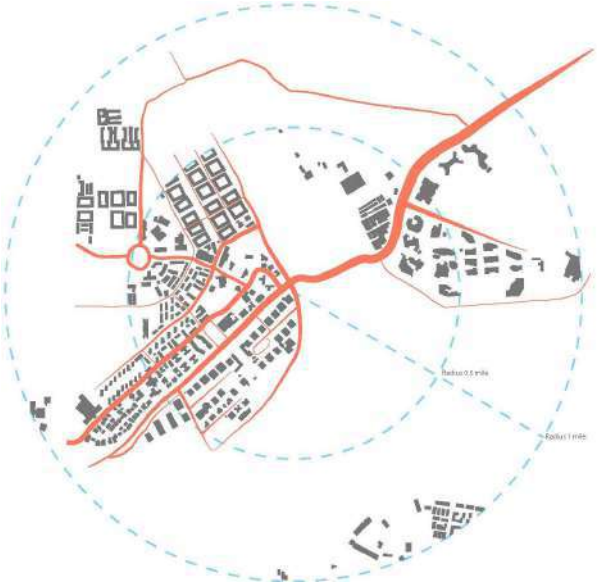
LEGEND

- HOTEL ROOMS
- COMMERCIAL / RESTAURANT
- OFFICE
- WINTER GARDEN & PROMENADE
- AMMENITY
- LUCKEY CLIMBER
- PARKING GARAGE
- BUILDING SERVICES
- STAIR & CIRCULATION
- STUDIO
- 1 BD
- 2 BD
- 3 BD

11 Connecting the Nodes: A better relationship between Transit- Oriented Development and Pedestrian connectivity.

Area selected for street intervention in Mumbai, India.

The above figure shows the street highlighted in yellow which is the selected area for analysis of the proposed street condition. The street is selected on basis of the high pedestrian and vehicular activity. The street is 0.62 mile (1 km) in length. The highlighted area is analysed using observation method and mapping analysis to provide street interventions and policy changes in Development plan for Mumbai, India.



Area selected for street intervention in Mumbai, India.

The project focuses on the Metro System in Mumbai, India and explores the relationship between TOD and pedestrian connectivity. The selected node at Metro Line 1 is analysed and design guidelines are provided for upcoming Metro Line 2 in Mumbai, India.

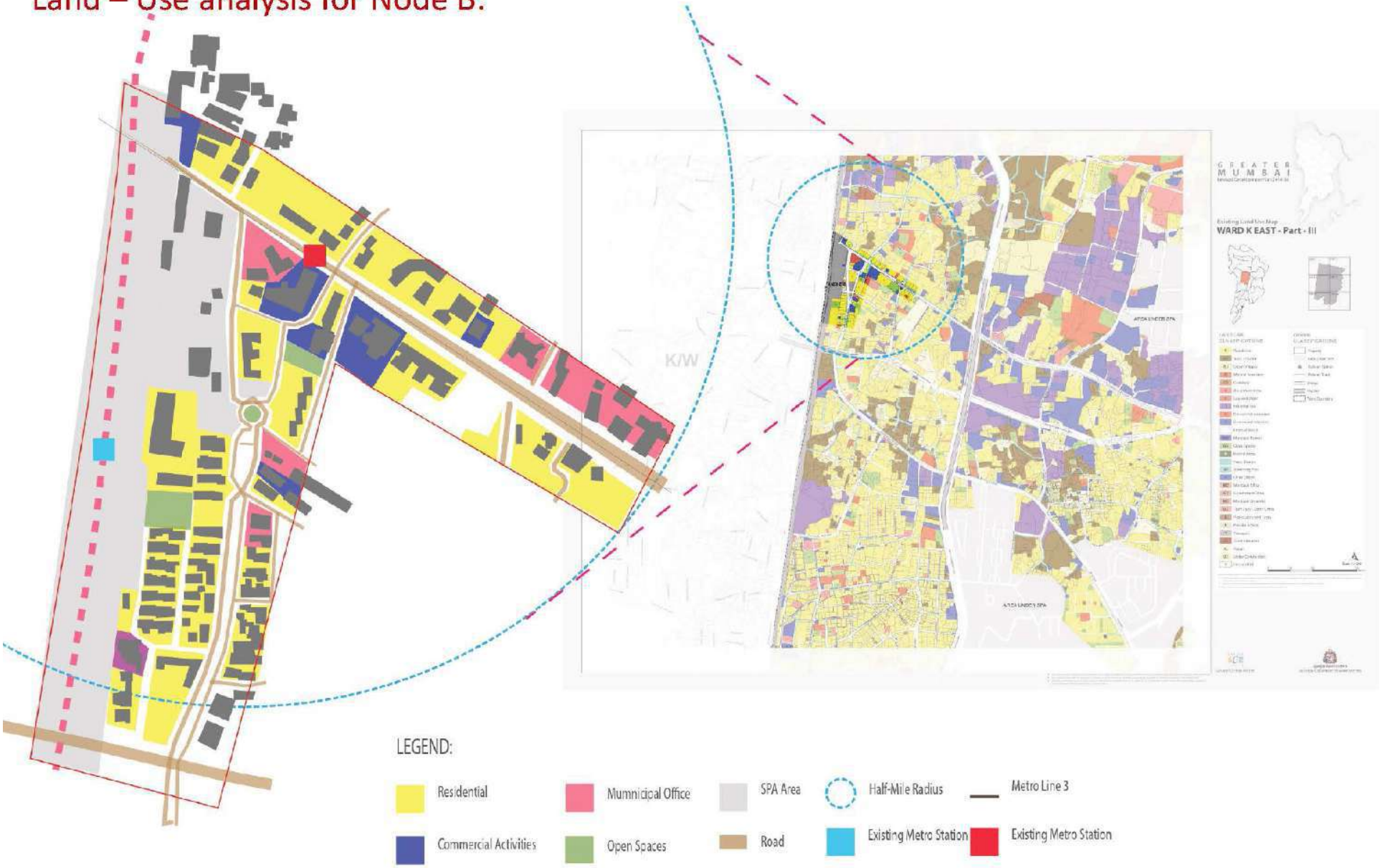
Land - Use analysis for Node A :

LEGEND:

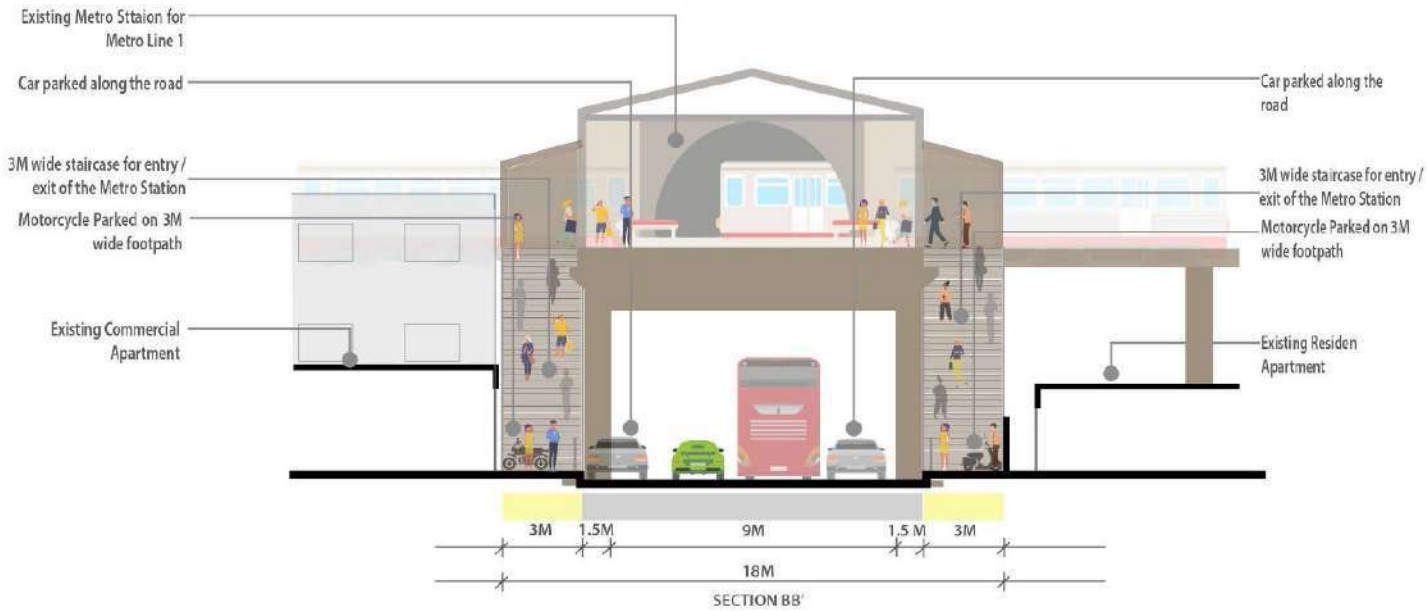
- Residential
- Commercial Activities
- Mumnicipal Office
- Open Spaces
- SPA Area
- Road
- Half-Mile Radius
- Metro Line 2
- Metro Line 3
- Proposed Metro Station

See the attached report for writing sample – Connecting the Nodes.

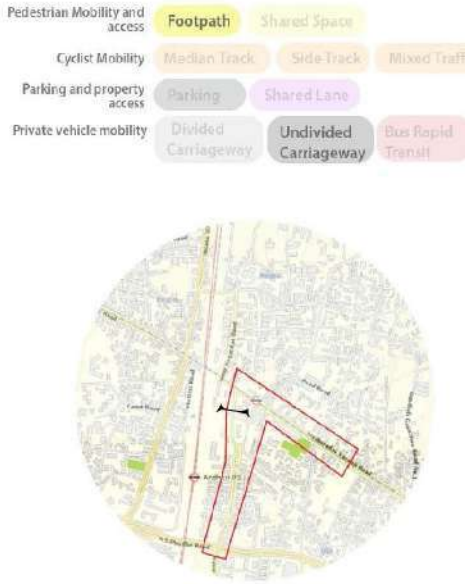
Land – Use analysis for Node B:



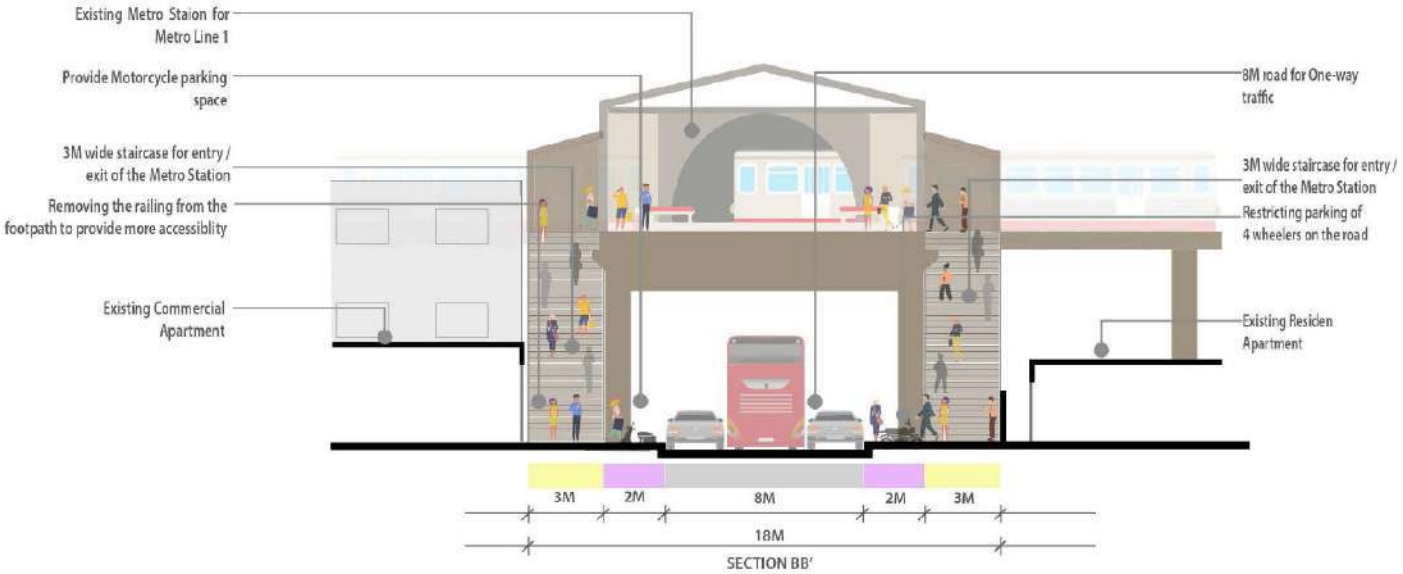
See the attached report for writing sample – Connecting the Nodes.



Existing Section for road showing Metro Station for Line 1

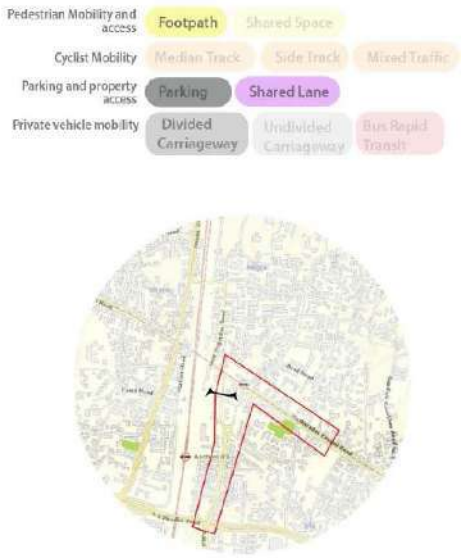


Key Map

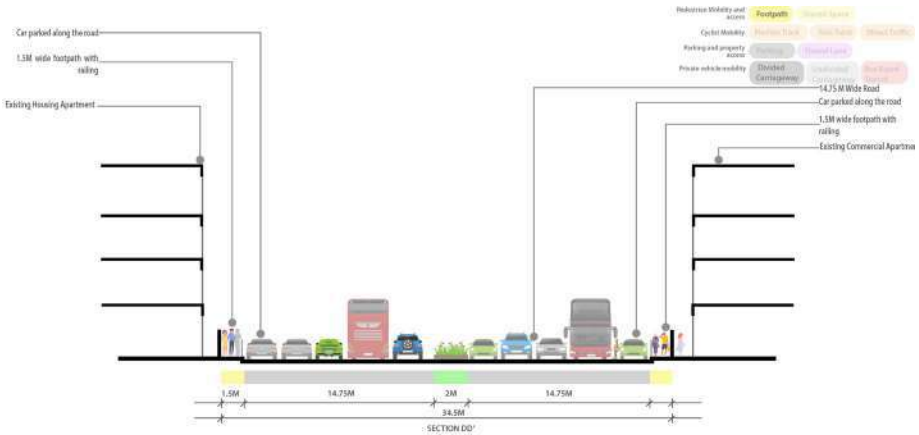


Street analysis as per street design guidelines

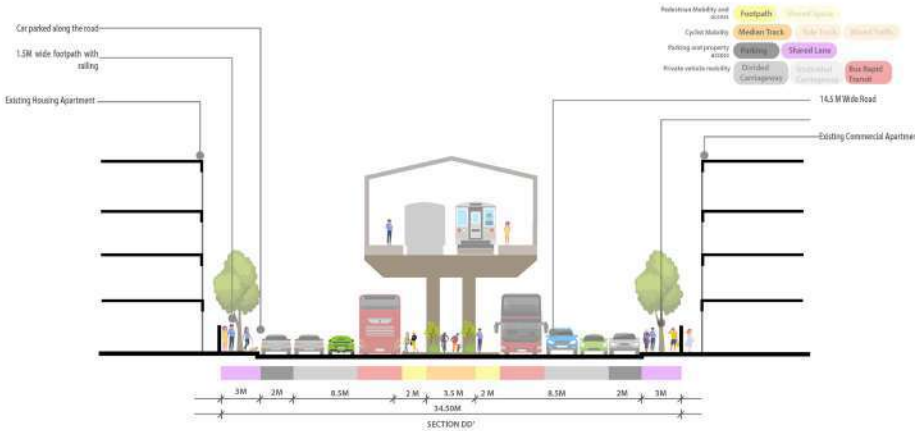
Design proposal



Key Map



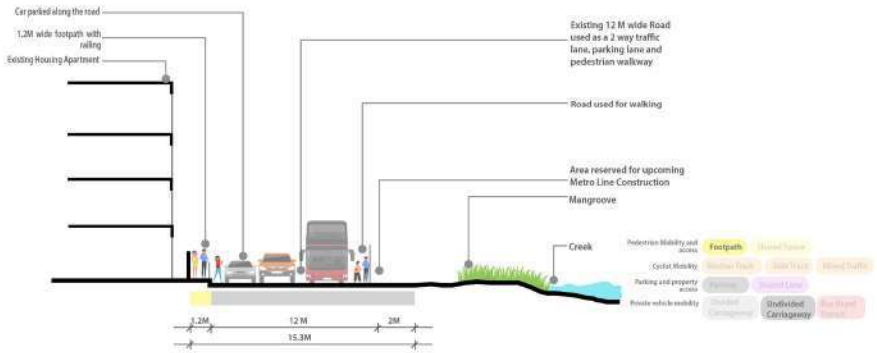
Existing Section for road where Metro Line 2 will be constructed



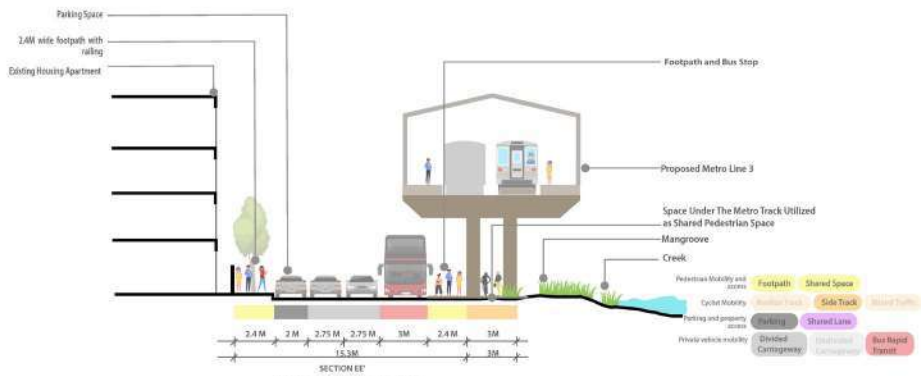
Proposed Street Section

Design proposal for Metro Line 2

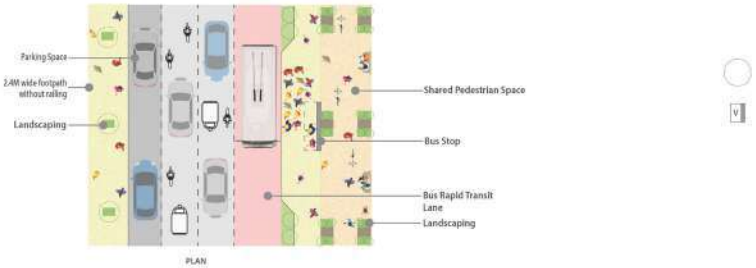
The above section shows the street section in Mumbai in 2019 and provides design guidelines to be implemented in 2022 when the metro line 2 will be constructed.



Existing Section for road where Metro Line 3 will be constructed



Proposed Street Section



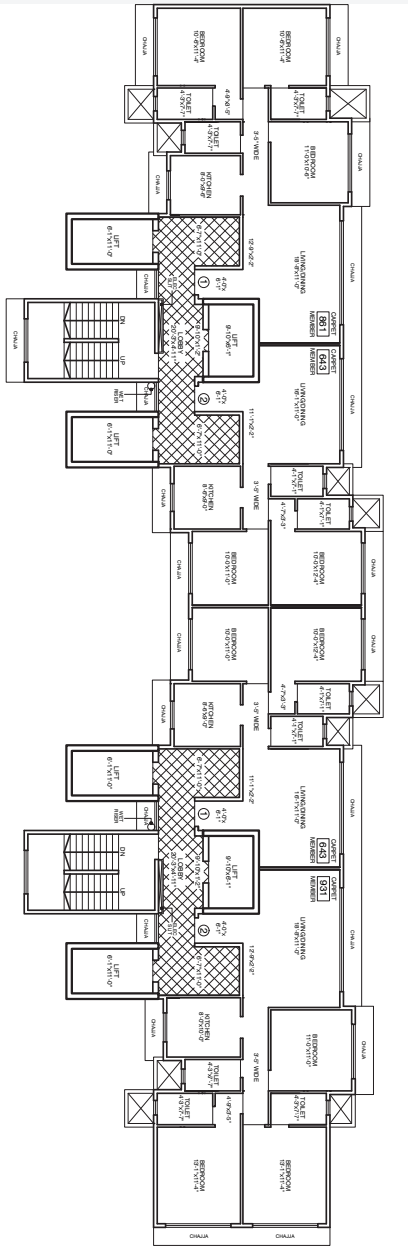
Design proposal for Metro Line 2

A colour co-ordinated scale is created for street template design which will be easier to relate to the street redesign manual.

12a Ashok Samrat CHS, Mumbai, India.

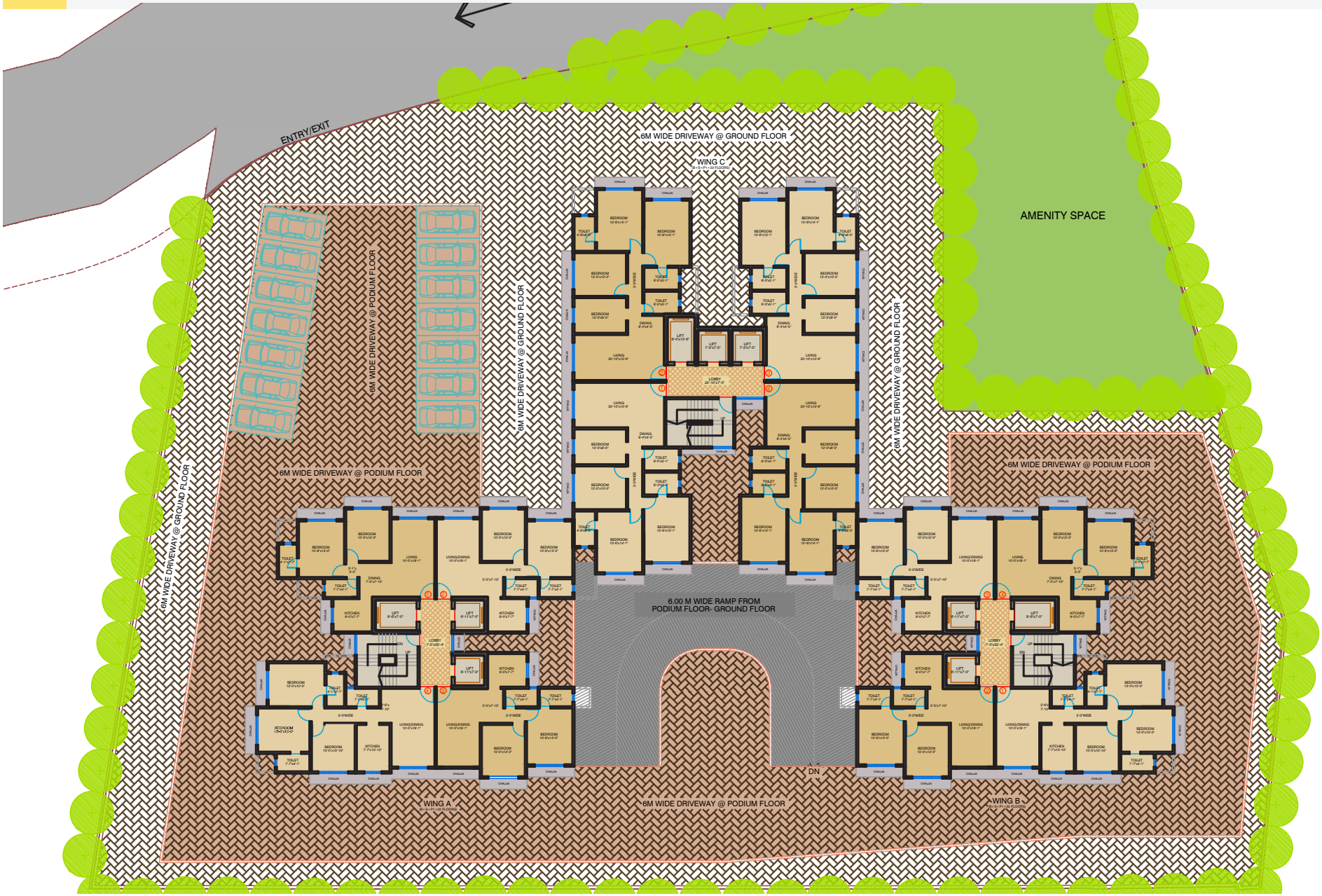
Site Plan Layout

12b Jade Apartment, Mumbai, India.



Typical Floor Plan

12c Mehra Property, Mumbai,India.



Mehra Property, Mumbai India

Site Zoning, Development of the site and planning of residential apartment

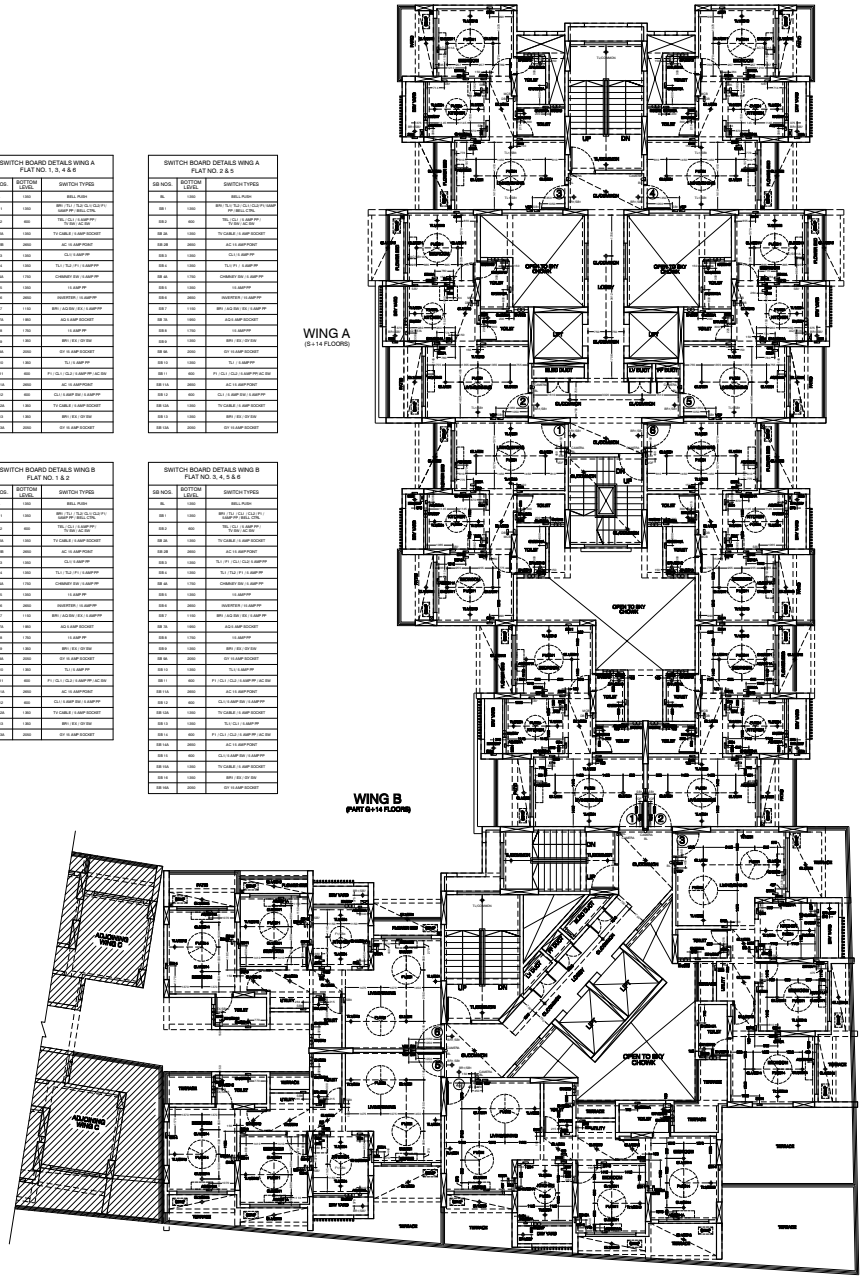
WING A
(B+S+P1+22 FLOORS)

Typical floor Plan For Wing A

WING C
(B+S+P1+22 FLOORS)

Typical floor Plan For Wing C

12e Bachraj Landmark, Mumbai, India.



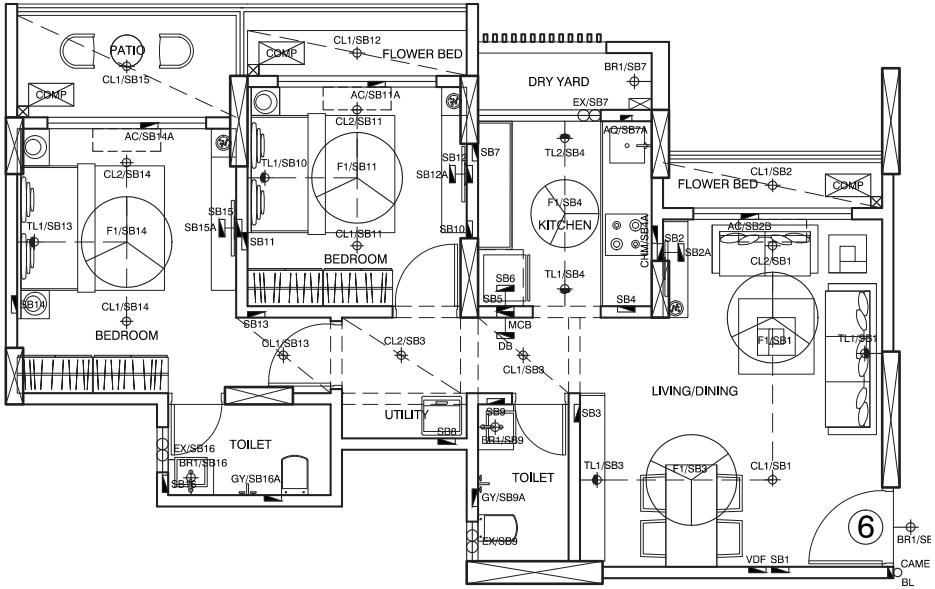
SWITCH BOARD DETAILS WING A FLAT NO. 1, 3, 4 & 6		
SB NOS.	BOTTOM LEVEL	SWITCH TYPES
BL	1350	BELL PUSH
BR 1	1350	BR1 / TL1 / TL2/ CL1 / CL2/ F1 / 5AMP PP / BELL CTRL
BR 2	400	TV1 / CL1 / 5 AMP PP / TV SW / AC SW
SB 2A	1350	TV CABLE / 5 AMP SOCKET
SB 2B	2600	AC 15 AMP POINT
SB 3	1350	CL1 / 5 AMP PP
SB 4	1350	TL1 / TL2 /F1 / 5 AMP PP
SB 4A	1750	CHIMNEY SW / 5 AMP PP
SB 5	1350	15 AMP PP
SB 6	2600	INVERTER / 15 AMP PP
SB 7	1150	BR1 / AC2 SW / EX / 5 AMP PP
SB 7A	1400	AC3 5AMP SOCKET
SB 8	1750	15 AMP PP
SB 9	1350	BR1 / E9 / GY SW
SB 9A	2000	GY 15 AMP SOCKET
SB 10	1350	TL1 / 5 AMP PP
SB 11	600	F1 / CL1 / CL2 / 5 AMP PP / AC SW
SB 11A	2600	AC 15 AMP POINT
SB 12	600	CL1 / 5 AMP SW / 5 AMP PP
SB 12A	1350	TV CABLE / 5 AMP SOCKET
SB 13	1350	BR1 / E9 / GY SW
SB 13A	2000	GY 15 AMP SOCKET

SWITCH BOARD DETAILS WING A FLAT NO. 2 & 5		
SB NOS.	BOTTOM LEVEL	SWITCH TYPES
BL	1350	BELL PUSH
BR 1	1350	BR1/ TL1/ TL2/ CL1/ CL2/ F1/ 5AMP PP / BELL CTRL
BR 2	400	TV1 / CL1 / 5 AMP PP / TV SW / AC SW
SB 2A	1350	TV CABLE / 5 AMP SOCKET
SB 2B	2600	AC 15 AMP POINT
SB 3	1350	CL1 / 5 AMP PP
SB 4	1350	TL1/ F1 / 5 AMP PP
SB 4A	1750	CHIMNEY SW / 5 AMP PP
SB 5	1350	15 AMP PP
SB 6	2600	INVERTER / 15 AMP PP
SB 7	1150	BR1 / AC2 SW / EX / 5 AMP PP
SB 7A	1400	AC3 5AMP SOCKET
SB 8	1750	15 AMP PP
SB 9	1350	BR1 / E9 / GY SW
SB 9A	2000	GY 15 AMP SOCKET
SB 10	1350	TL1 / 5 AMP PP
SB 11	600	F1 / CL1 / CL2 / 5 AMP PP / AC SW
SB 11A	2600	AC 15 AMP POINT
SB 12	600	CL1 / 5 AMP SW / 5 AMP PP
SB 12A	1350	TV CABLE / 5 AMP SOCKET
SB 13	1350	BR1 / E9 / GY SW
SB 13A	2000	GY 15 AMP SOCKET

SWITCH BOARD DETAILS WING B FLAT NO. 1 & 2		
SB NOS.	BOTTOM LEVEL	SWITCH TYPES
BL	1350	BELL PUSH
BR 1	1350	BR1 / TL1 / TL2/ CL1 / CL2/ F1 / 5AMP PP / BELL CTRL
BR 2	400	TV1 / CL1 / 5 AMP PP / TV SW / AC SW
SB 2A	1350	TV CABLE / 5 AMP SOCKET
SB 2B	2600	AC 15 AMP POINT
SB 3	1350	CL1 / 5 AMP PP
SB 4	1350	TL1 / TL2 /F1 / 5 AMP PP
SB 4A	1750	CHIMNEY SW / 5 AMP PP
SB 5	1350	15 AMP PP
SB 6	2600	INVERTER / 15 AMP PP
SB 7	1150	BR1 / AC2 SW / EX / 5 AMP PP
SB 7A	1400	AC3 5AMP SOCKET
SB 8	1750	15 AMP PP
SB 9	1350	BR1 / E9 / GY SW
SB 9A	2000	GY 15 AMP SOCKET
SB 10	1350	TL1 / 5 AMP PP
SB 11	600	F1 / CL1 / CL2 / 5 AMP PP / AC SW
SB 11A	2600	AC 15 AMP POINT
SB 12	600	CL1 / 5 AMP SW / 5 AMP PP
SB 12A	1350	TV CABLE / 5 AMP SOCKET
SB 13	1350	BR1 / E9 / GY SW
SB 13A	2000	GY 15 AMP SOCKET

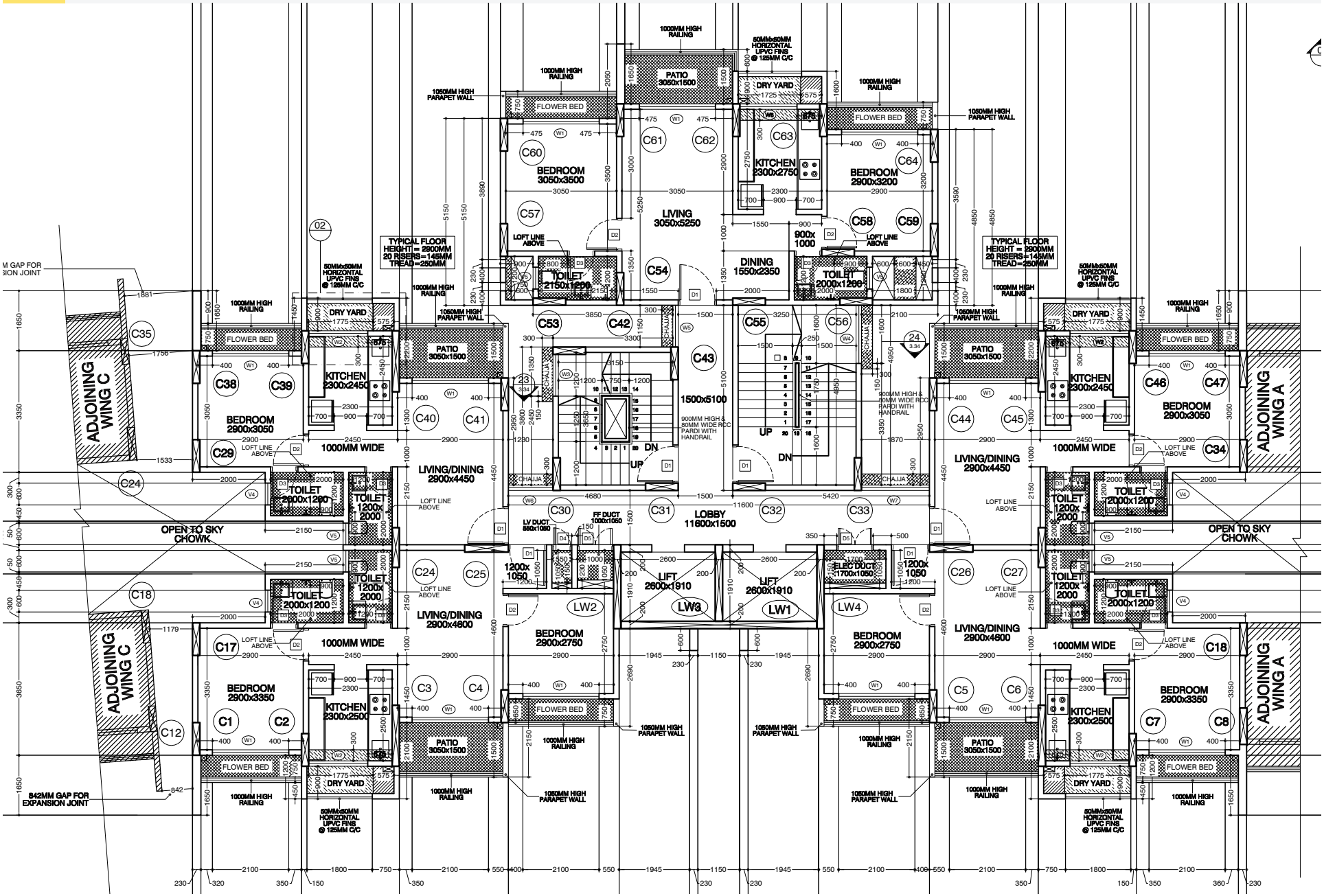
SWITCH BOARD DETAILS WING B FLAT NO. 3, 4, 5 & 6		
SB NOS.	BOTTOM LEVEL	SWITCH TYPES
BL	1350	BELL PUSH
BR 1	1350	BR1 / TL1 / TL2/ CL1 / CL2/ F1 / 5AMP PP / BELL CTRL
BR 2	400	TV1 / CL1 / 5 AMP PP / TV SW / AC SW
SB 2A	1350	TV CABLE / 5 AMP SOCKET
SB 2B	2600	AC 15 AMP POINT
SB 3	1350	TL1 / F1 / CL1 / CL2/ 5 AMP PP
SB 4	1350	TL1 / TL2 /F1 / 5 AMP PP
SB 4A	1750	CHIMNEY SW / 5 AMP PP
SB 5	1350	15 AMP PP
SB 6	2600	INVERTER / 15 AMP PP
SB 7	1150	BR1 / AC2 SW / EX / 5 AMP PP
SB 7A	1400	AC3 5AMP SOCKET
SB 8	1750	15 AMP PP
SB 9	1350	BR1 / E9 / GY SW
SB 9A	2000	GY 15 AMP SOCKET
SB 10	1350	TL1 / 5 AMP PP
SB 11	600	F1 / CL1 / CL2 / 5 AMP PP / AC SW
SB 11A	2600	AC 15 AMP POINT
SB 12	600	CL1 / 5 AMP SW / 5 AMP PP
SB 12A	1350	TV CABLE / 5 AMP SOCKET
SB 13	1350	BR1 / E9 / GY SW
SB 13A	2000	GY 15 AMP SOCKET

Electrical drawing for Bachraj Landmar, Mumbai, India.



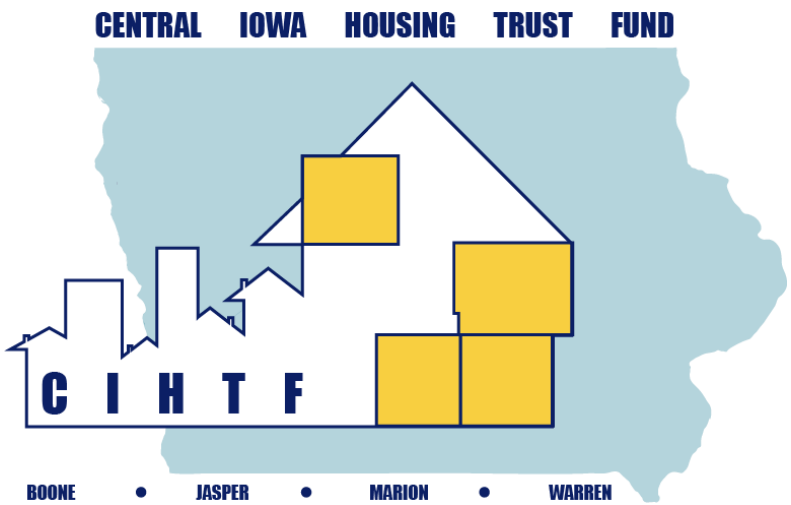
Electrical drawing for a tyical Unit of Bacheraj Landmark.

12f Poonam Park View ,Mumbai,India.



Working Drawing for Residential Building

14 Branding



The Central Iowa Housing trust fund project involved talking and interviews housing inspectors understand the process of funds collection, review for eligible applicants, and requirements for the housing grant. I worked closely with a group of Board members for four counties of Central Iowa to provide them assistance in the inspection process, hiring criteria fir inspector, creating application forms for grants, designing the logo, and website for the Central Iowa Housing Trust fund.

Website: https://cihtf.org/

The rain campaign is a localized effort by communities across the Des Moines metro, led by the Polk Soil & Water Conservation District, to enable one to be a part of the solution towards better managing stormwater runoff to improve local water quality. The project involved developing a Business card for the rain campaign for the distribution of Quarantine 12 pack in Iowa.

Website: https://raincampaign.org/nativeplants/

T H A N K Y O U

Tanvi Halde

Digital portfolio: www.tanvisharad.art