Winter 2022

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3D WALL SECTION

WALLS

P1a - EXT. WALL
13MM ALPOLIC ALUMINUM PANEL
WITH WOOD LOOK AND Z TIE O.C. @ 610MM
70MM FURRING CHANNEL
50MM RIGID INSULATION
AIR BARRIER
150MM STEEL STUD W/ BATT INSULATION
VAPOUR BARRIER
13MM GYPSUM BOARD STEEL STUD

P1b - EXT. WALL @ PARAPET
13MM ALPOLIC ALUMINUM PANEL
WITH WOOD LOOK AND Z TIE O.C. @ 610MM
70MM FURRING CHANNEL
50MM RIGID INSULATION
AIR BARRIER
150MM STEEL STUD W/ BATT INSULATION
VAPOUR BARRIER
50MM RIGID INSULATION

P2 - EXT WALL @ GRADE
90MM MASONRY AT BELOW 1F W/ TIES
55MM FURRING CHANNEL
AIR BARRIER
35MM RIGID INSULATION
13MM PLYWOOD SHEATHING
140MM STEEL STUDS
13MM GYPSUM BOARD

P3 - FOUNDATION WALL
BACKFILL
100MM GRAVEL
50MM RIGID INSULATION
WATERPROOFING
200MM FOUNDATION WALL

FLOOR

F1 - FLOOR AT GRADE
13MM WOOD FINISH FLOOR
25MM SUBSHEATHING
50MM RIGID INSULATION
VAPOUR BARRIER
152MM CAST IN PLACE CONCRETE
38MM METAL DECK
VOID UNDERNEATH REACHING TO GRADE

F2 - INT. FLOOR
13MM WOOD FINISH FLOOR
25MM SUBSHEATHING
50MM RIGID INSULATION
152MM CAST IN PLACE CONCRETE
38MM METAL DECK
DROP CEILING?

F3 - CANTILEVER FLOOR
13MM WOOD FINISH FLOOR
25MM SUBSHEATHING
50MM RIGID INSULATION
VAPOUR BARRIER
152MM CAST IN PLACE CONCRETE
AVB BARRIER
125MM RIGID INSULATION
16MM ALUMINUM SOFFIT

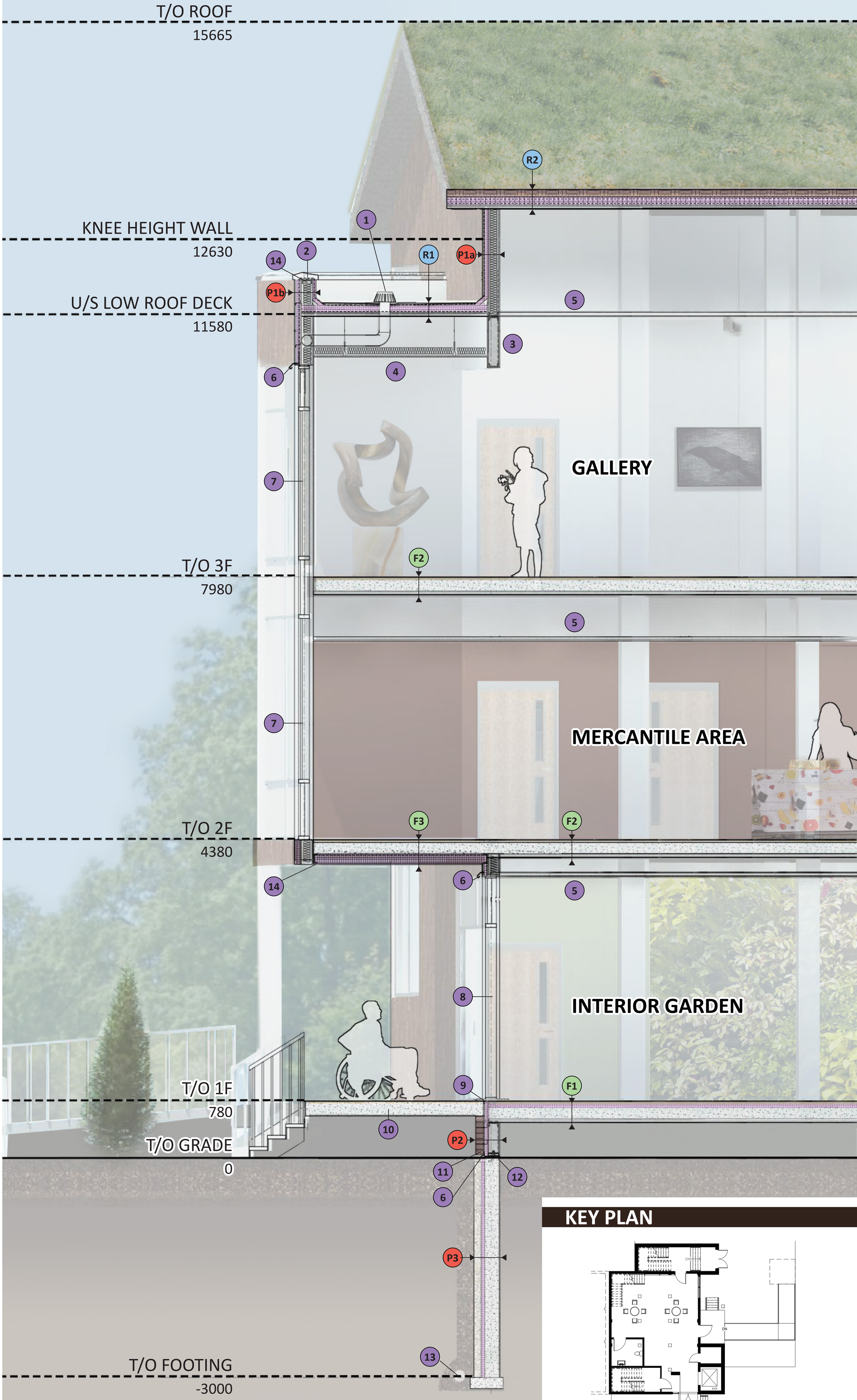
ROOF

R1 - LOW ROOF W/ DROP CEILING
REFLECTIVE ROOF COATING
2 PLY MODIFIED BITUMEN MEMBRANE
13MM ROOF PROTECTION BOARD
50MM RIGID INSULATION (2 LAYERS)
VAPOUR BARRIER
16MM GYPSUM BOARD
38MM STEEL DECK AND JOISTS

R2 - HIGH ROOF
VEGETATION
90MM SOIL MEDIUM
FILTER SHEET
DRAIN MAT
ROOT BARRIER
13MM ROOF PROTECTION BOARD
50MM RIGID INSULATION (2 LAYERS)
AVB BARRIER
16MM GYPSUM BOARD
38MM STEEL DECK AND JOISTS

MISC DETAILS

1 - PREFINISHED METAL STRAINER AND 150MM DRAIN PIPE
2 - CONCRETE PARAPET
3 - STEEL STUD FRAMING
4 - DROP CEILING W/ BATT INSULATION
5 - SUSPENDED CEILING
6 - FLASHING WITH LAP AVB
7 - CURTAIN WALL BY KAWNEER
8 - THERMALLY BROKEN DOOR AND FRAME BY KAWNEER
9 -EXTRUDED ALUMINUM THRESHOLD SET ON SEALANT WATERPROOFING ON EXPOSED CONCRETE
10 - FRONT PORCH
11 - WEEP HOLE
12 - ANCHOR TIE
13 - 100 DIA. WEEP HOLE
14 - C150x13



The section cuts through the entrance and up to the floors above and highlights many of the exterior cladding methods to show how they CONNECT to each other. There is the cantilever that overhangs the ground floor that gives protection from precipitation and gives more room to the upper floors. The interplay between the green roof and the aluminum panel with a wood look gives a naturalistic aesthetic to the whole building without sacrificing the structural integrity or insulation. Additionally, the curtain walls featured shows how open parts of the interior space can be as it overlooks the front. In turn, the people who pass by or approach the building can see the activity within the building— from the interior garden, to the craft and commerce space, to the art gallery, the curtain walls provide a medium to connect those on one side to the other.

Overall, it shows how the front is the most important feature of this building and how both its technical, sustainable, and aesthetic features CONNECT into a cohesive whole.

KEY PLAN

AMIELA NICOLE DACUMOS
MP2.C - FINAL 3D WALL SECTION
ARCHITECTURAL STUDIO 6 - ARCH34231
INSTRUCTOR: JORDAN MARTIN