Foisié Innovation Studio
Worcester Polytechnic Institute
01
PROJECT FUNDAMENTALS


**DESIGN DRIVERS**

- **Enhance Campus Connections**
- **Appropriate context fit**
  - Scale relationship
  - Massing articulation
  - Materiality
- **High performance building [100-year life span]**
- **Efficient square footage and optimized/integrated programs**
- **Adaptable spaces**
- **Iconic, innovative and state-of-the-art**
- **LEED certified building**
FITTING IN WITHIN WPI’S BUILT ENVIRONMENT
A SPECTRUM OF BUILDINGS

BOYNTON HALL

THINK
Institutional Looking
Traditional Forms
Articulated Massing
Styled Expression

IMPACT
Timeless Looking
Contemporary Forms
Clean Massing
Vanguard Expression

MAKE
Industrial Looking
Traditional Forms
Simplified Massing
Robust Expression

WASHBURN SHOPS
PROGRAM ADJACENCIES

ACTIVE TEACHING & LEARNING CENTER

Active Learning Classroom: Shared
Office of Undergraduate Studies
Active Learning Classroom: GPS

GLOBAL IMPACT LAB

I + E

GLOBAL IMPACT LAB

I + E

MAKER HUB

Robotics Undergraduate Teaching Lab
Maker Space
Collaborative Project Workspace

THE LINK

Active Learning Classroom: GPS
Global Impact Lab Suite
I + E Center Suite
NGO / Companies in Residence/Incubator

BUBBLE DIAGRAM
2014 MASTER PLAN
CREATING CONNECTIONS
ALUMNI GYM FOOTPRINT
UNDERGROUND UTILITIES
EXISTING CLIMATE DIAGRAM
SOLAR AND WIND CONDITIONS
INDEX

IDEAL BUILDING FOOTPRINT
SIZE AND MASSING

HARRINGTON AUDITORIUM

RUBIN CAMPUS CENTER

HIGGINS LAB

BUILDING EDGE CLOSE ALIGNS WITH CURRENT RAMP EDGE
LANDSCAPE PLAN
EXTERIOR WALKWAYS

EMERGENCY VEHICLES / PEDESTRIAN WALK

FUTURE PROMENADE
LANDSCAPE PLAN
EXTERIOR WALKWAYS AND NODES

FUTURE PROMENADE
EMERGENCY VEHICLES / PEDESTRIAN WALK
GREEN CAMPUS CENTER FOUNTAIN
HARRINGTON HIGGINS
QUAD
LANDSCAPE PLAN
DEFINING A HEART
PROCESS 01
INTERVIEW SCHEME

Tall Corner Glass Volume - No Basement
PROCESS 02
HIGH RISE

Cantilevered Corner - No Basement Program
PROCESS 03
SKETCHES
PROCESS 03
SKETCHES
PROCESS 04
BASIC MASSING
PROCESS 05
SUBTRACT THE ROOF
PROCESS 06
VIEWS OUT
PROCESS 07
SOLAR EXPOSURE
PROCESS 08
ICONIC CORNER
PROCESS 09
DAYLIGHT INTO THE HEART
PROCESS 10
DIAGONAL LINK
PROCESS 11
CURRENT MASSING
03 EXPERIENCE
VIEW FROM THE QUAD
COMPLETING THE QUAD
MAIN ENTRANCE
DEFINING THE CORNER
SALVAGE AND RE USE
INCORPORATING HISTORY NEAR THE PROJECT
CONNECTOR
LINKING OPEN SPACES
SALVAGE AND RE USE
INCORPORATING HISTORY NEAR THE PROJECT
RESIDENTIAL ENTRANCE
VIEW FROM NORTHWEST
RESIDENTIAL ENTRANCE
DEFINING AN ‘ADDRESS’
VIEW FROM FOUNTAIN
VIEW FROM NORTHEAST
VIEW FROM BEECH TREE CIRCLE
OPTION 1
VIEW FROM BEECH TREE CIRCLE
OPTION 2
FIRST FLOOR AERIAL
MAIN LOBBY, CAFÉ & ROBOTICS
FIRST IMPRESSION
TECH SUITES
COLLABORATION ZONE
MAKER SPACE
INTER CONNECTED SPACES
ATRIUM COLLABORATION SPACE
VIEW FROM SECOND FLOOR
ATRIUM COLLABORATION SPACE
RESIDENTIAL FLOOR PLAN
FLOORS 3-5

LOUNGE

LAUNDRY ROOM

TECH SUITE

LOUNGE
RESIDENTIAL AERIAL