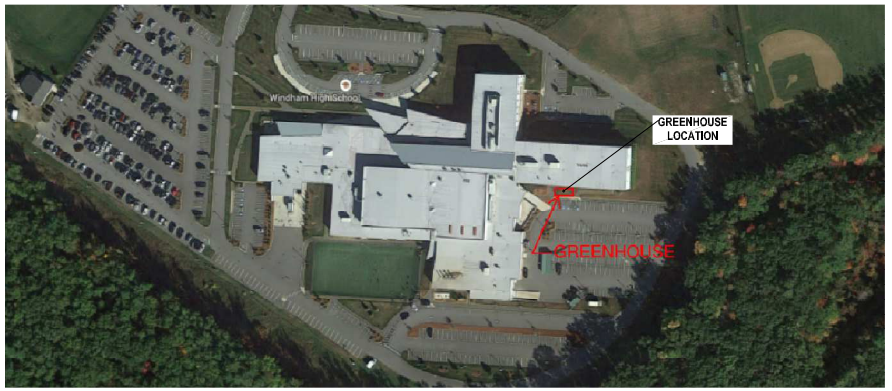
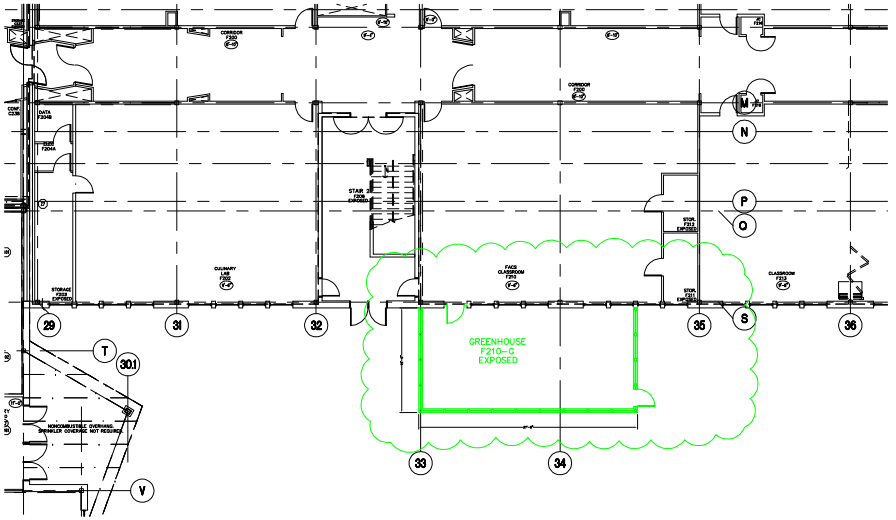
EXISTING SOUTH ELEVATION
NO SCALE

PROPOSED SOUTH ELEVATION
NO SCALE

PROPOSED EAST ELEVATION
NO SCALE



SITE LOCATION PLAN
NO SCALE



CONCEPTUAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

Windham Endowment for Community Advancement

WINDHAM ENDOWMENT FOR COMMUNITY ADVANCEMENT
P.O. BOX 4315, WINDHAM, NH 03087
603.437.0666 www.windhamendowment.org

WINDHAM SCHOOL DISTRICT

GREENHOUSE PROJECT

64 LONDON BRIDGE ROAD
WINDHAM, NH 03087

NO.	DESCRIPTION	DATE
1		
2		

CONTENT:
CONCEPTUAL LOCATION PLAN, FLOOR PLAN, SECTION, RENDERING, NOTES

DRAWN BY: MJV
PROJECT NO: V
DATE: MAY 16, 2013
REVISED:
SCALE: AS NOTED

A-1

Project Phase
CONCEPTUAL DESIGN

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Windham School District Greenhouse Curriculum Integration Plan: - high level draft

The Greenhouse will allow the Windham School District (WSD) to expand the curriculum and opportunities for students in a variety of areas at a variety of grade levels. It will provide needed space for students to conduct experiments and to enhance discovery learning.

The plan is for the greenhouse to be integrated into the following classes:

- Biology –Students will learn about botany and conduct experiments to explore the intricacies of plant growth.
- Botany- Students will explore the science of botany at a deeper and more hands-on level.
- Cooking- Students will grow herbs, vegetables, and other edible plants for use in cooking.
- Art- Students will utilize the plants growing as models for art projects.
- Business- Students will market and sell plants grown in the greenhouse.

All students will have access to the greenhouse at multiple points during their years in the WSD through the required science curriculum. Students will have additional opportunities to benefit from the greenhouse through elective courses as well.

Proposed Architecture and Site Requirements

Greenhouse structure will require:
Polycarbonate structure approximately 16' by 37'
Site prep and foundation with conduit for electrical and water
Flooring
Heating, cooling and ventilation systems
Computerized watering system
Benches/tables
Shelving and bins for equipment and potting materials (storage area)
Storage Area
Preparation area
Equipment: drain trays, stakes, trowels, pots

Site must have:
Access to electricity and water
Room to support storage shed and preparation area
South facing exposure
Convenient access by students

High Level Estimated Schedule

1	Identify Site for Greenhouse	completed
2	Fund Raising Initiatives	6/2010 through 7/2015
3	Engineering & Design for site and structure	6/2015 through 8/2015
4	Present proposal to School Board for final approval	7/2015 through 8/2015
5	Begin construction	8/2015 through 9/2015
6	Complete construction	9/2015
7	Equip structure with required materials	9/2015 through 10/2015
8	Document maintenance procedures	10/2015 through 11/2015
9	Early life support/transition provided by Project Team	10/2015 through 6/2017

GALVANIZED STEEL STRUCTURE

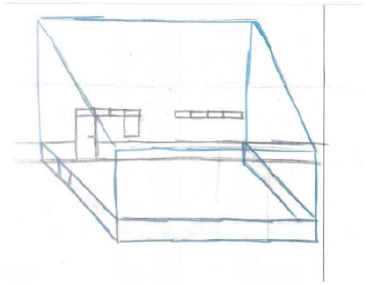
HEATING SYSTEM

VENTILATION SYSTEM

LIGHTING

IRRIGATION

ENHANCED LEARNING OPPORTUNITIES



STUDENT CONCEPT
NO SCALE

STUDENT CONCEPT
NO SCALE

STUDENT CONCEPT
NO SCALE

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WINDHAM SCHOOL DISTRICT

GREENHOUSE PROJECT

64 LONDON BRIDGE ROAD
WINDHAM, NH 03087

NO.	DESCRIPTION	DATE
1		
2		

GREENHOUSE

CONTENT: STUDENT CONCEPTUAL RENDERINGS AND PICTURES

DRAWN BY: MW
PROJECT NO: 0
DATE: MAY 16, 2015
REVISED:
SCALE: AS NOTED

A-2

Project Phase: CONCEPTUAL DESIGN

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