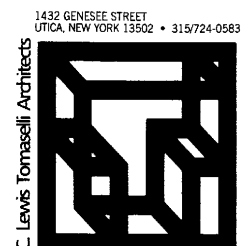


# PROJECT FEASIBILITY REPORT: JPC ENERGY, TECHNOLOGY & MAINTENANCE CENTER CORNHILL DISTRICT, UTICA, NY



JULY 1, 2010

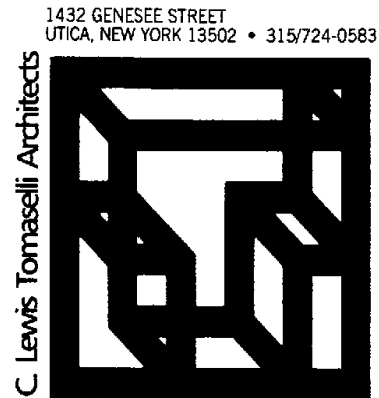
with Overall Cost Study Analysis Update 2015



July 01, 2010

Rev. Maria Scates  
JCTOD Outreach Inc.  
P.O. Box 160  
Utica, NY 13503

Re: Project Feasibility Report  
JPC Energy Technology & Maintenance Center  
Cornhill District, Utica, NY 13501  
CLT Architects Project #0925



Dear Rev. Scates:

We are pleased to present to JCTOD Outreach Inc. the completed Project Feasibility Report for the JPC Energy, Technology & Maintenance Center. As you can see by the following report materials, our investigations and research were comprehensive and detailed in analyzing your program and future needs. CLT Architects has developed Preliminary Design Drawings, 3D models and a cost estimate for the Project to meet your program needs.

CLT Architects has provided the following services in developing the Project Feasibility Report for the Energy, Technology & Maintenance Center.

Utilizing the Program developed with JCTOD Outreach Inc., a 3D computer model has been prepared depicting the Project Site, the Proposed Floor Plans, Elevations and Sections.

Programming meetings took place to establish a Final Program; addressing the site, present and future space needs, functional relationships, and space adjacencies.

Utilizing the above, in-house design studies were prepared that examined various options for solving your project goals. These options were reduced to Preliminary Design Drawings, which are illustrated with a 3D Model and Presentation Floor Plans.

All of the above work has been summarized, assembled into the appended Project Feasibility Report; and is presented to you to conclude this phase of our services.

The above process has allowed for a thorough review of your proposed program needs, and Preliminary Designs, illustrating the approach to reaching your project goals, along with the cost ramifications of the required work.

In order to present the wide range of information in a logical way, we have divided the Project Feasibility Report into the following five parts:

1. **JCTOD Masterplan Drawing**
2. **Project Program**

3. **Preliminary Design Drawings**
4. **Cost Study Analysis**
5. **LEED Spec Requirements**

We trust you will find this Report satisfactory and encouraging as you consider the potential of a fully realized Energy, Technology & Maintenance Center serving the Cornhill Community. We are confident that the implementation of this Report can make the JPC Energy, Technology & Maintenance Center a vital educational and community resource in the twenty first century.

If you have any questions, please do not hesitate to contact our office. We look forward to continuing to work with you on this most challenging and exciting project.

Very truly yours,

C. Lewis Tomaselli Architects

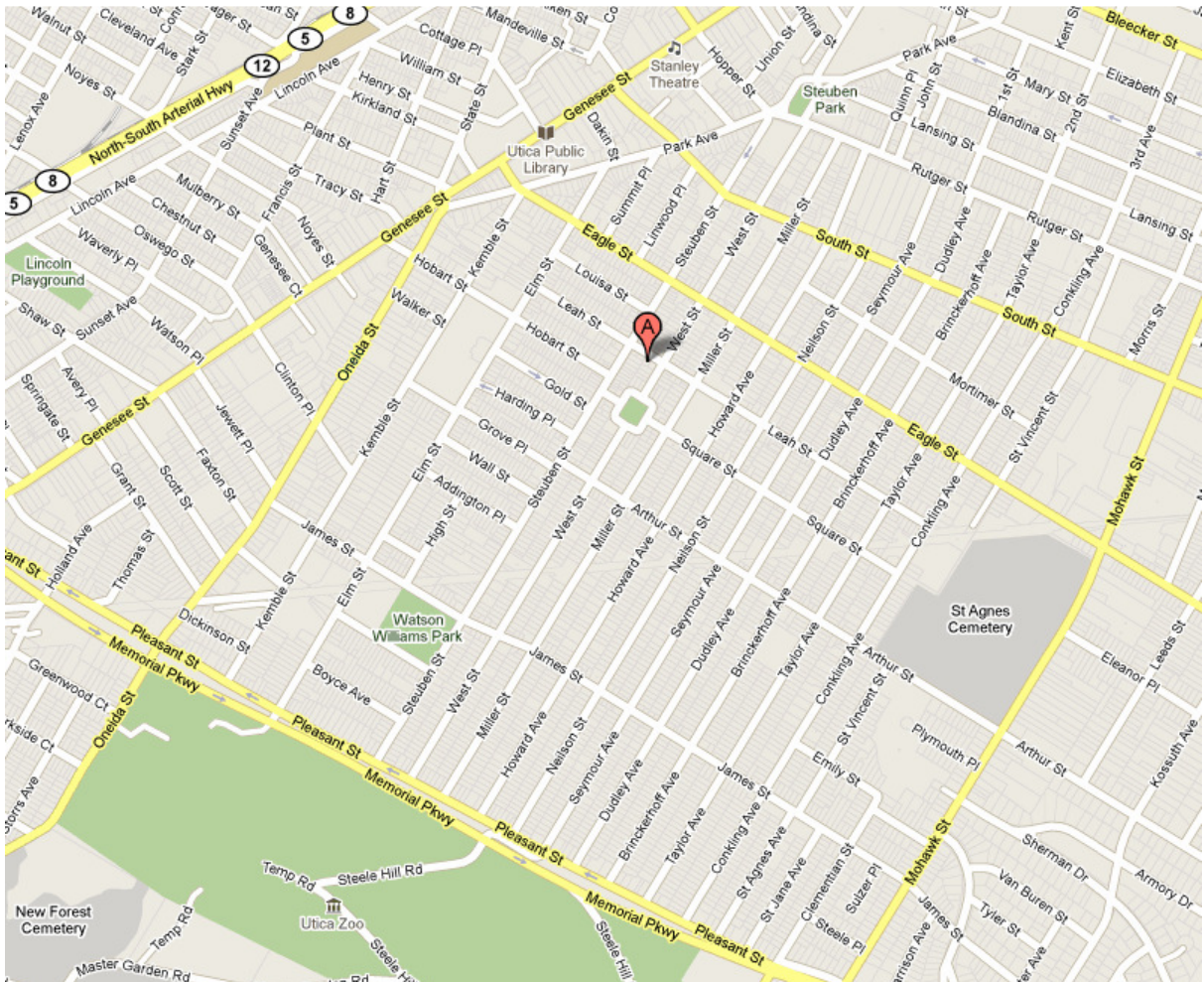
A handwritten signature in black ink, reading "Chuck Tomaselli". The signature is fluid and cursive, with a horizontal line extending from the end of the name.

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Chuck Tomaselli, AIA  
Principal Architect

# JPC ENERGY TECHNOLOGY & MAINTENANCE CENTER

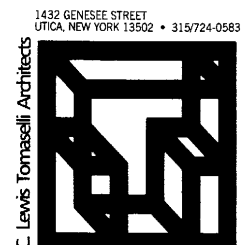
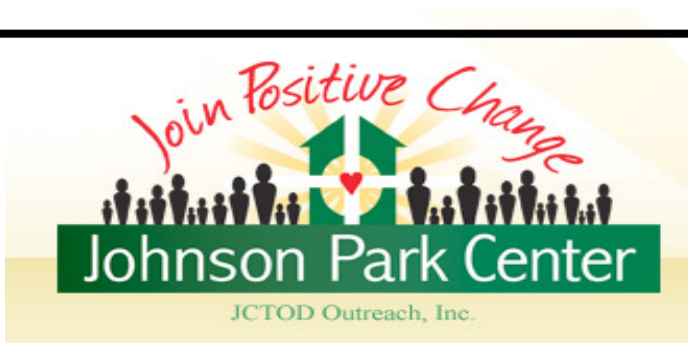
## LOCATION MAP



**CORNHILL DISTRICT  
UTICA, NY 13501**

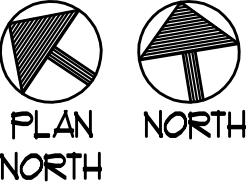
# JCTOD MASTERPLAN DRAWING

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- JCTOD BUILDINGS/PROPERTIES
1. JCTOD HEADQUARTERS & EXECUTIVE DIRECTOR RESIDENCE WITH NEW STORAGE SHED - CCI PROJECT
  2. EMERGENCY FAMILY SHELTER & FEEDING PROG.
  3. FOOD PANTRY NUTRITION AND COMM. DEV. OFFICE
  4. JPA I - HOUSE (WITH FUTURE PLAYGROUND)
  5. JPA II - HOUSE (WITH FUTURE PLAYGROUND)
  6. MAINTENANCE/WORKSHOP - CCI PROJECT
  7. FUTURE COMMUNITY GARDEN SHOWN
  8. JPA III - HOUSE
  9. JPA III - HOUSE
  10. JPA VI - RESIDENCE
  11. FUTURE JCTOD - ENERGY & TECHNOLOGY BUILDING (GREEN PROJECT) - CCI PROJECT
  12. JCTOD VII - RESIDENCE
  13. ALUMNI HOUSE
  14. JPA VIII - RESIDENCE
  15. JPA III - RESIDENCE
  16. JPA VI - RESIDENCE
  17. STORAGE & RECYCLING SHED - CCI PROJECT
  18. BOARD MEMBERS RESIDENCE
  19. FUTURE JCTOD - CHILD CARE CENTER & PLAYGROUND (GREEN PROJECT) - CCI PROJECT
  20. MRS. WILKES RESIDENCE
  21. JCTOD IV - RESIDENCE
  22. JCTOD V - RESIDENCE (GARAGE ADDITION)
  23. JCTOD V - RESIDENCE (GREEN PROJECT)
  24. JCTOD IV - POWELL - WEST MEMORIAL PLAZA
  25. JCTOD V - RESIDENCE (GREEN PROJECT)
  26. BOARD MEMBERS RESIDENCE



MAP LEGEND

- JCTOD TARGET AREA
- JCTOD EXISTING BUILDINGS
- PROPOSED BUILDING PROJECTS (SHOVEL READY)
- JCTOD EXISTING LAND
- HOPE VI PROJECTS
- CITY OF UTICA PROPERTIES
- UNDER CONTRACT/ ASSOCIATED PROPERTIES

PROPERTIES WITHIN JCTOD TARGET AREA

ARTHUR STREET	
ADDRESS	OWNER
201 ARTHUR STREET	TALERICO, LAURA
202-206 ARTHUR ST.	MURRAY, JOSEPH
208 ARTHUR STREET	MEENAN, CYNTHIA J.
210-12 ARTHUR STREET	JCTOD OUTREACH, INC.
214 ARTHUR STREET	FIGUEROA, JUAN CARLOS
218 ARTHUR STREET	FIGUEROA, JUAN CARLOS
222 ARTHUR STREET	GIGLIOTTI, RONALD L. J.

JOHNSON SQUARE	
ADDRESS	OWNER
1 JOHNSON SQUARE	JCTOD OUTREACH, INC.
2-4 JOHNSON SQUARE	JCTOD OUTREACH, INC.
3 JOHNSON SQUARE	JCTOD OUTREACH, INC.
5 JOHNSON SQUARE	JCTOD OUTREACH, INC.
6 JOHNSON SQUARE	JCTOD OUTREACH, INC.
7 JOHNSON SQUARE	JCTOD OUTREACH, INC.
8 JOHNSON SQUARE	JCTOD OUTREACH, INC.

10 JOHNSON SQUARE	HAUKINS, BOBBY
11 JOHNSON SQUARE	GARY, CLYNELL DENISE
12 JOHNSON SQUARE	UTICA URBAN RENEWAL
13 JOHNSON SQUARE	JCTOD OUTREACH, INC.
14 JOHNSON SQUARE	JCTOD OUTREACH, INC.
15 JOHNSON SQUARE	JCTOD OUTREACH, INC.
16 JOHNSON SQUARE	JCTOD OUTREACH, INC.
18-20 JOHNSON SQ.	JCTOD OUTREACH, INC.
19 JOHNSON SQUARE	JCTOD OUTREACH, INC.
22 JOHNSON SQUARE	ERVIN, VENICE
26 JOHNSON SQUARE	JCTOD OUTREACH, INC.

LEAH STREET	
ADDRESS	OWNER
200 LEAH STREET	REBUILD MOHAWK VALLEY
204 LEAH STREET	SANABRIA, ABELINO
205 LEAH STREET	CITY OF UTICA
211 LEAH STREET	ASTAFAN, LOUIS J.
212 LEAH STREET	ST. PAUL'S BAPTIST CHURCH
216 LEAH STREET	ST. PAUL'S BAPTIST CHURCH

MILLER STREET	
ADDRESS	OWNER
1220 MILLER STREET	REBUILD MOHAWK VALLEY
1222 MILLER STREET	HAUKINS, JAMES
1224 MILLER STREET	ST. PAUL'S BAPTIST CHURCH
1300 MILLER STREET	ST. PAUL'S BAPTIST CHURCH
1302 MILLER STREET	ST. PAUL'S BAPTIST CHURCH
1306 MILLER STREET	MARTIN, JESSE L.
1308 MILLER STREET	FRINK, JANET B.
1310 MILLER STREET	FRINK, JANET B.
1312 MILLER STREET	UTICA URBAN RENEWAL
1316 MILLER STREET	UTICA URBAN RENEWAL
1320 MILLER STREET	STEUBAN MANOR, LLC
1324 MILLER STREET	NAVEDO, CARLOS
1400 MILLER STREET	JCTOD OUTREACH, INC.
1404 MILLER STREET	CLYNELL, DENISE GARY
1406 MILLER STREET	MT. ZION MINISTRIES CHURCH
1408 MILLER STREET	GONZALEZ, SANTIAGO
1410 MILLER STREET	DELANEY, LEROY
1412 MILLER STREET	TORRES, MARIA
1414 MILLER STREET	PENTECOSTAL HOUSE
1416 MILLER STREET	JCTOD OUTREACH, INC.
1418 MILLER STREET	RIVERA, FABIAN A III
1420 MILLER STREET	PIECHOWICZ, LEO J.
1422 MILLER STREET	MURPHY, NANCY M.
(VACANT) MILLER ST.	MURPHY, NANCY M.
1428 MILLER STREET	JCTOD OUTREACH, INC.
1430 MILLER STREET	JCTOD OUTREACH, INC.
1500 MILLER STREET	MOSELEY, GARY
1502 MILLER STREET	KAY, ROSE D.
1506 MILLER STREET	CITY OF UTICA

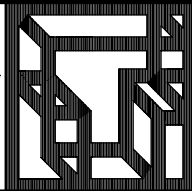
SQUARE STREET	
ADDRESS	OWNER
1000 SQUARE STREET	NE CONF CORP OF TTH
2000 SQUARE STREET	JCTOD OUTREACH, INC.
201-203 SQUARE ST.	JCTOD OUTREACH, INC.

STEUBAN STREET	
ADDRESS	OWNER
1233 STEUBAN STREET	JEFFERSON, JEROLD
1237 STEUBAN STREET	JEFFERSON, ARNETTE
1301 STEUBAN STREET	REBUILD MOHAWK VALLEY
1305 STEUBAN STREET	REBUILD MOHAWK VALLEY
1309 STEUBAN STREET	REBUILD MOHAWK VALLEY
1311 STEUBAN STREET	THACH, BOUN
1315 STEUBAN STREET	NIEVES, PEDRO J.
1317 STEUBAN STREET	ARDON HERRERA, ELSY
1319 STEUBAN STREET	CITY OF UTICA
1321 STEUBAN STREET	FETTES, RICHARD L.
1323 STEUBAN STREET	FETTES, RICHARD L.
1325 STEUBAN STREET	HAUKINS, BOBBY
1327 STEUBAN STREET	FLORES, IVONE
1401 STEUBAN STREET	MALLACE, CATHERINE
1403 STEUBAN STREET	GILMORE, FREDDIE
1411 STEUBAN STREET	STELLOS, MARIO
1413 STEUBAN STREET	CLARK, ARTHUR L.
1417 STEUBAN STREET	CITY OF UTICA
1419 STEUBAN STREET	BARRY, MARTIN W.
1423 STEUBAN STREET	COLUCCI, MICHAEL
1425 STEUBAN STREET	COLUCCI, ANTHONY
1427 STEUBAN STREET	LE, PHU H.
1429 STEUBAN STREET	LE, PHU H.
1433 STEUBAN STREET	CHAU, THAI
1435 STEUBAN STREET	TERRELL, MARY ANN
1501 STEUBAN STREET	CITY OF UTICA
1503 STEUBAN STREET	MURRAY, JOSEPH
1505 STEUBAN STREET	SPICER, GERALD K.

WEST STREET	
ADDRESS	OWNER
1219 WEST STREET	REBUILD MOHAWK VALLEY
1223 WEST STREET	ASTAFAN, LOUIS
1226 WEST STREET	WRIGHT, MARGARET L.
1228 WEST STREET	WRIGHT, MARGARET
1300-02 WEST STREET	JCTOD OUTREACH, INC.
1301 WEST STREET	MOREL, RICHARD
1303 WEST STREET	CROSBLEY, JOHN R.
1304 WEST STREET	JCTOD OUTREACH, INC.
1305 WEST STREET	HOLLIMAN, LAURENCE
1306 WEST STREET	JCTOD OUTREACH, INC.
1307 WEST STREET	FIGUEROA, IRMA
1308 WEST STREET	JCTOD OUTREACH, INC.
1309 WEST STREET	JACKSON, ETHEL L.
1402 WEST STREET	JCTOD OUTREACH, INC.
1404 WEST STREET	JCTOD OUTREACH, INC.
1406 WEST STREET	JCTOD OUTREACH, INC.
1408 WEST STREET	WOLFE, NANCY E.
1409 WEST STREET	JCTOD OUTREACH, INC.
1411 WEST STREET	JCTOD OUTREACH, INC.
1410-12 WEST STREET	WILKERSON, EMMA
1413 WEST STREET	JCTOD OUTREACH, INC.
1414 WEST STREET	JCTOD OUTREACH, INC.
1416 WEST STREET	JCTOD OUTREACH, INC.
1417 WEST STREET	JCTOD OUTREACH, INC.
1418 WEST STREET	JCTOD OUTREACH, INC.
1419 WEST STREET	JCTOD OUTREACH, INC.
1420 WEST STREET	JCTOD OUTREACH, INC.
1421 WEST STREET	GRANT, CRAIG
1500 WEST STREET	MEENAN, CYNTHIA J.
1504 WEST STREET	RUTGER MANOR, LLC
1505 ABC WEST STREET	LOPEZ, AMADO

JOHNSON PARK WEST ST. MASTER PLAN  
PREPARED FOR JCTOD OUTREACH, INC.  
CORNHILL DISTRICT, UTICA, NEW YORK

Lewis Tomasselli Architects

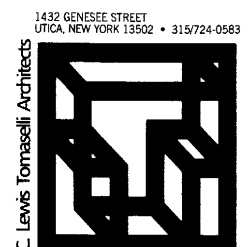
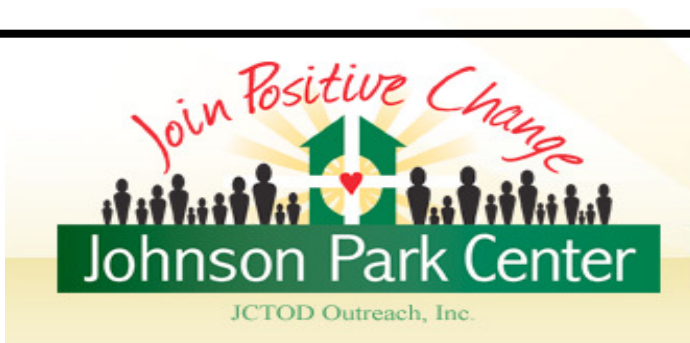


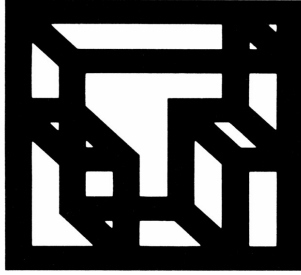
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checked by		CLT
approved by		CLT
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project number		0823

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sheet of	2

# PROJECT PROGRAM

.





## JCTOD Energy Technology & Maintenance Center

200 Square Street  
Utica, New York 13501

January 5, 2009

CLT # 0925

**Space Program:** Vocational workshops for educating the community in green technologies.

### Geothermal Piping Workshop

Teaching Area	140.0 sq. ft.
Workshop	904.0 sq. ft.
Loft Storage	140.0 sq. ft.
Wash Station	16.0 sq. ft.

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<b>Sub-totals for Geothermal Piping Workshop</b>	<b>1,200.0 sq. ft.</b>
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### Weatherization/Solar Panel Workshop

Teaching Area	140.0 sq. ft.
Workshop	904.0 sq. ft.
Loft Storage	140.0 sq. ft.
Wash Station	16.0 sq. ft.

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<b>Sub-totals Weatherization/Solar Panel Workshop</b>	<b>1,200.0 sq. ft.</b>
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### Carpentry Workshop

Teaching Area	140.0 sq. ft.
Workshop	904.0 sq. ft.
Loft Storage	140.0 sq. ft.
Wash Station	16.0 sq. ft.

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<b>Sub-totals for Water Storage Workshop</b>	<b>1,200.0 sq. ft.</b>
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### Biofeed/Gardening/Composting Workshop

Teaching Area	140.0 sq. ft.
Workshop	504.0 sq. ft.
Loft Storage	140.0 sq. ft.
Greenhouse	400.0 sq. ft.
Wash Station	16.0 sq. ft.
Water Storage	0.0 sq. ft.

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<b>Sub-totals Biofeed/Gardening/Composting Workshop</b>	1,200.0 sq. ft.
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### Maintenance Bay

Workshop	1,704.0 sq. ft.
Service Bays (2)	1,360.0 sq. ft.
Teaching Area	344.0 sq. ft.
Equipment Storage	80.0 sq. ft.
Wash Station	16.0 sq. ft.

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<b>Sub-totals for Maintenance Bay</b>	1,800.0 sq. ft.
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### Common Spaces

Entry Vestibule	100.0 sq. ft.
Men's Room	120.0 sq. ft.
Women's Room	120.0 sq. ft.

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<b>Sub-totals for Common Spaces</b>	340.0 sq. ft.
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### Staff Area

Director's Office	120.0 sq. ft.
Staff Lounge/Work	100.0 sq. ft.
Staff Toilet	40.0 sq. ft.

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<b>Sub-totals for Water Staff Area</b>	260.0 sq. ft.
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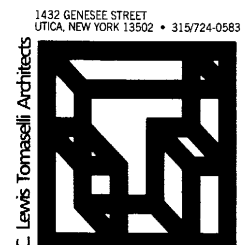
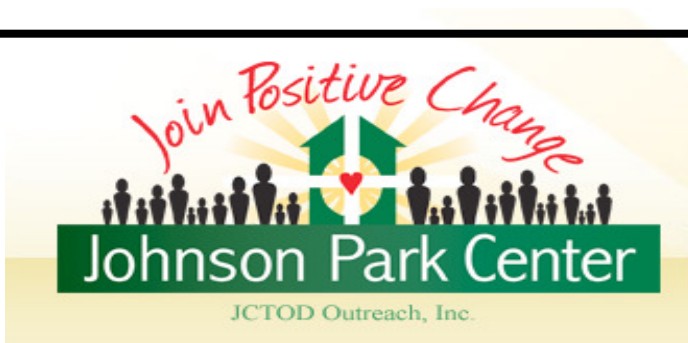
<b>BUILDING AREA</b>	7,200.0 sq. ft.
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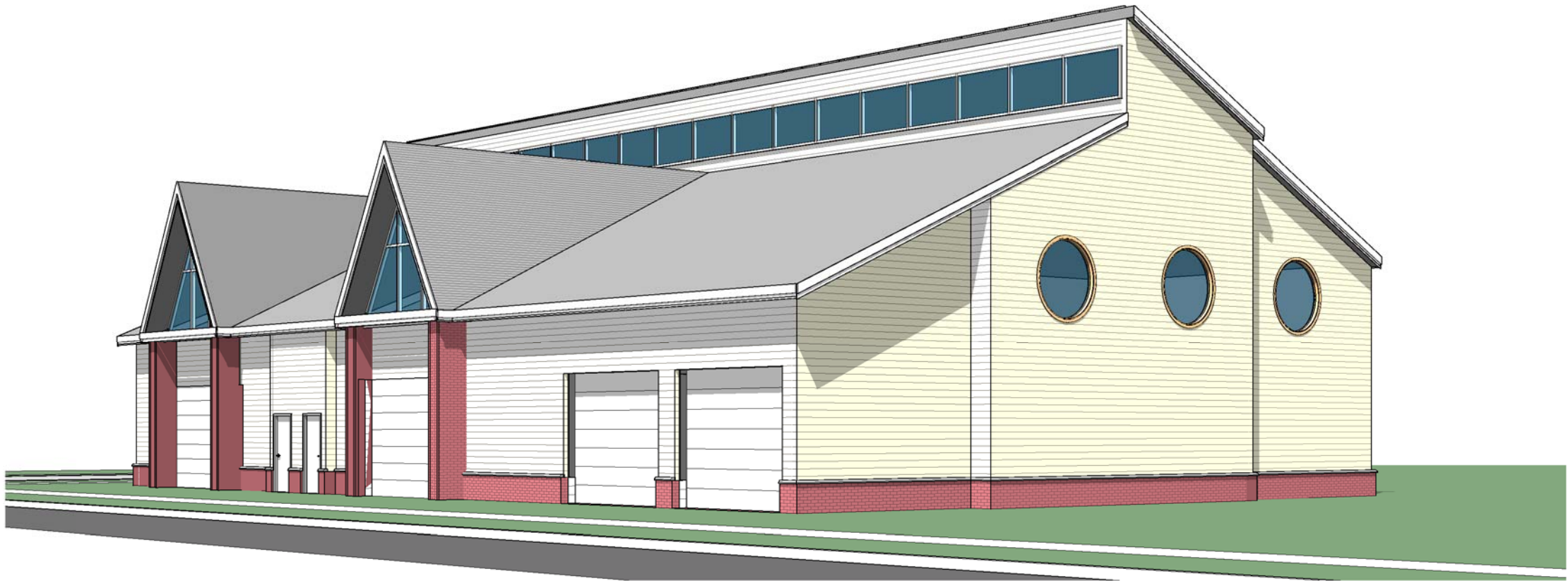
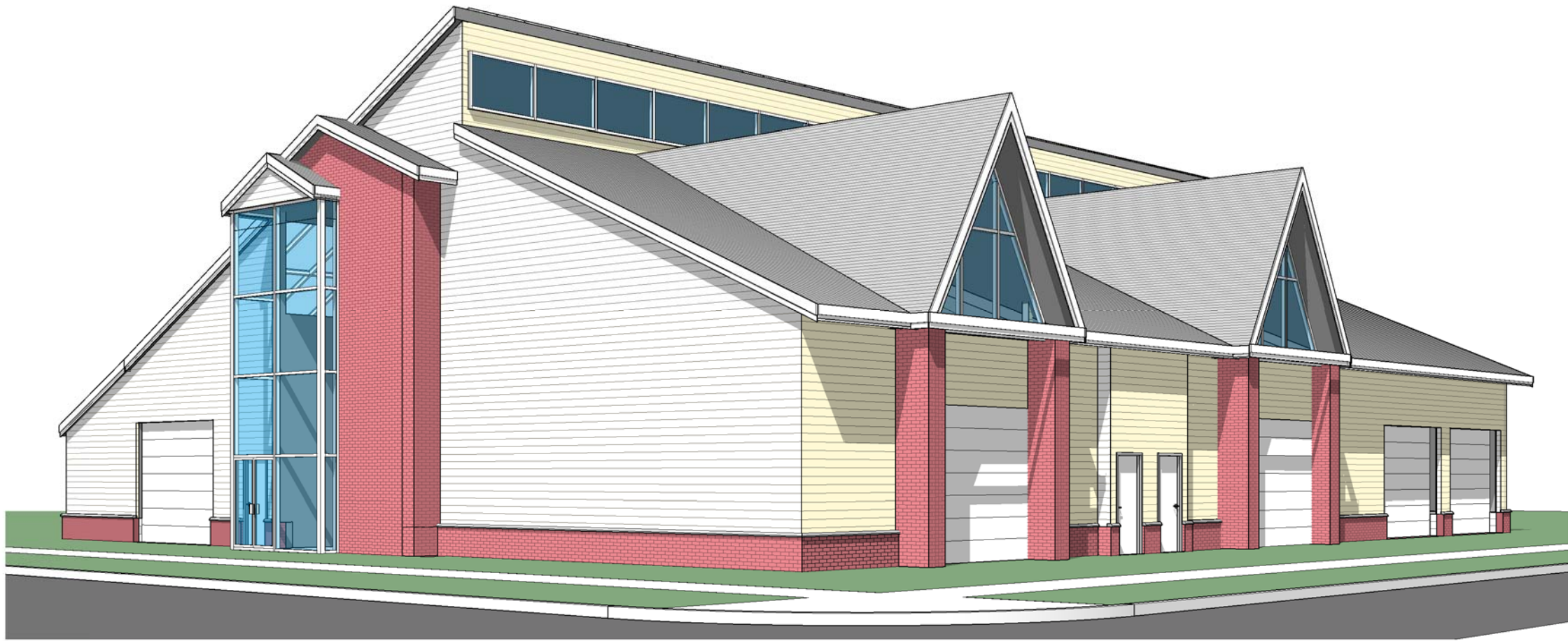
Walls & Circulation @ 15%	1,080.0 sq. ft.
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<b>TOTAL BUILDING AREA</b>	<b>8,280.0 sq. ft.</b>
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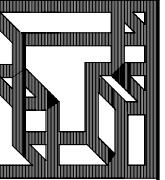
# PRELIMINARY DESIGN DRAWINGS

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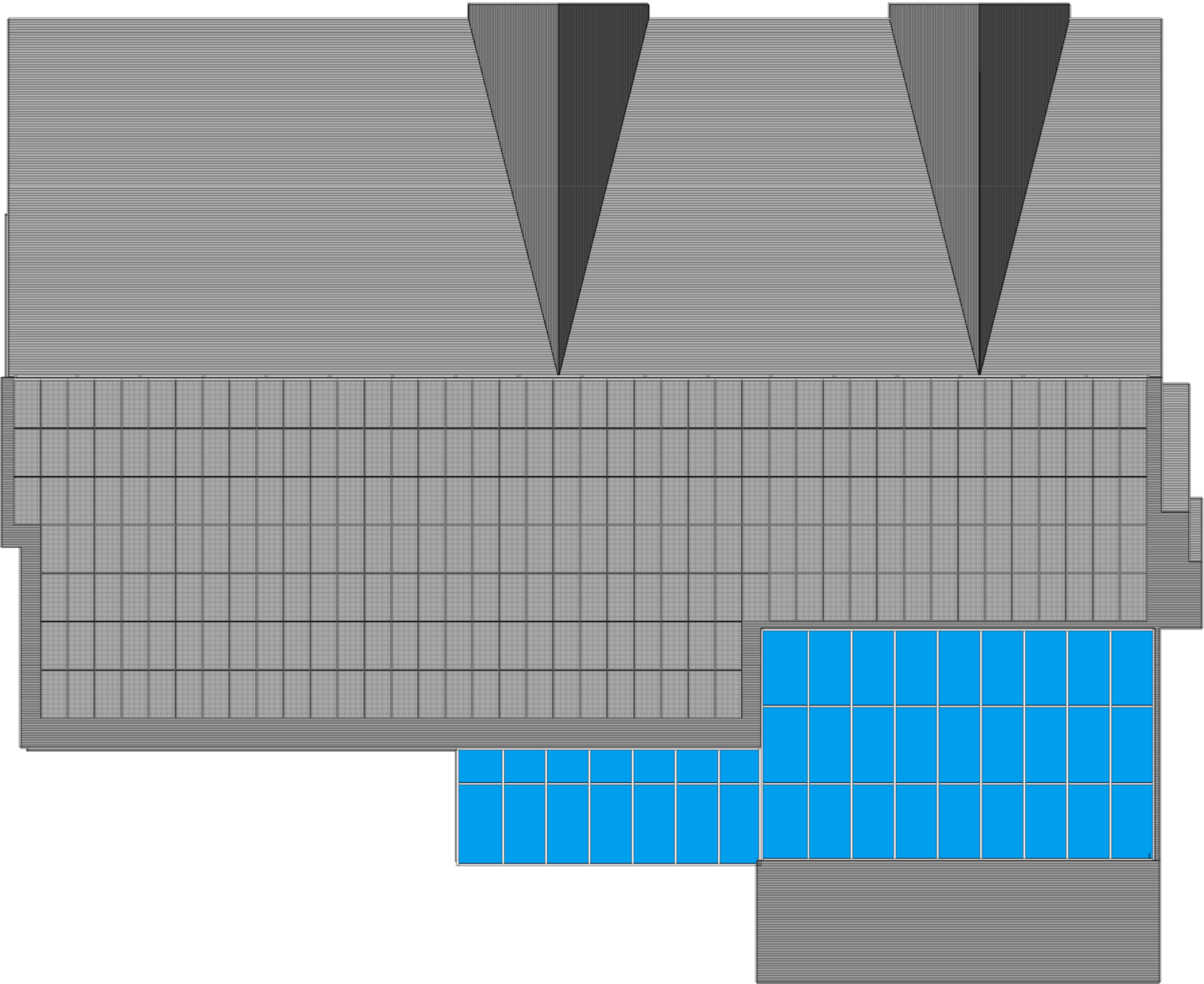


C. Lewis Tomassini, Architect

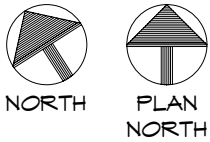


JPA ENERGY TECHNOLOGY &  
MAINTENANCE CENTER  
CORNHILL DISTRICT, UTICA, NY

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drawn by	JDC
checked by	CLT
approved by	CLT
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project number	0925
sheet title	PROP. 3D VIEWS
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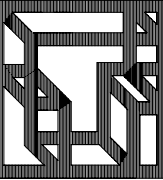


① **PROPOSED ROOF PLAN**  
3/32" = 1'-0"

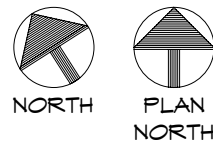
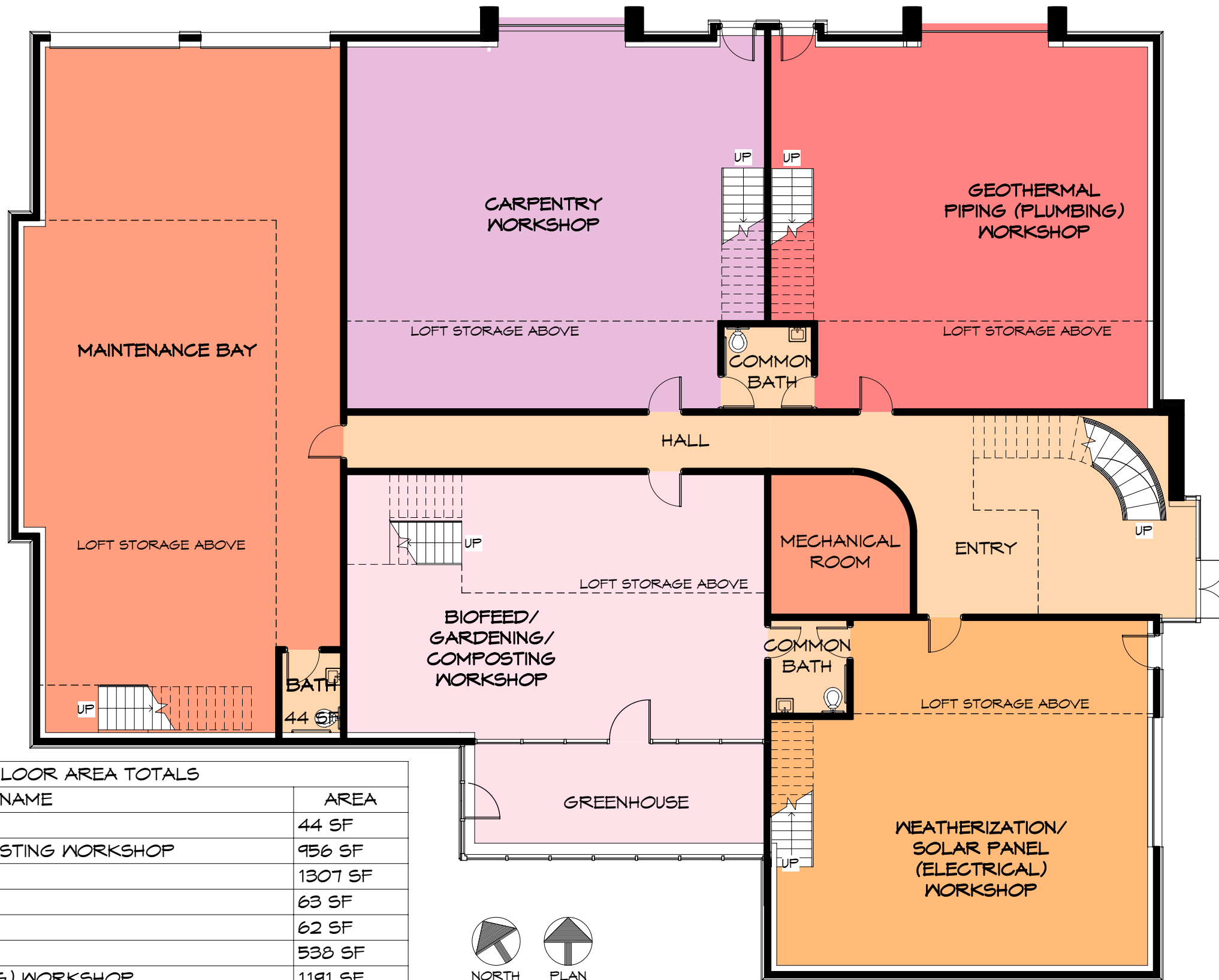


JPA ENERGY TECHNOLOGY &  
MAINTENANCE CENTER  
CORNHILL DISTRICT, UTICA, NY

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checked by	CLT
approved by	CLT
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sheet title	PROP. ROOF PLAN
sheet number	P-2
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revision	
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drawn by	JDC
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approved by	CLT
scale	As Indicated
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sheet title	PROP. GROUND FLOOR PLAN
sheet number	P-3
SHEET OF	

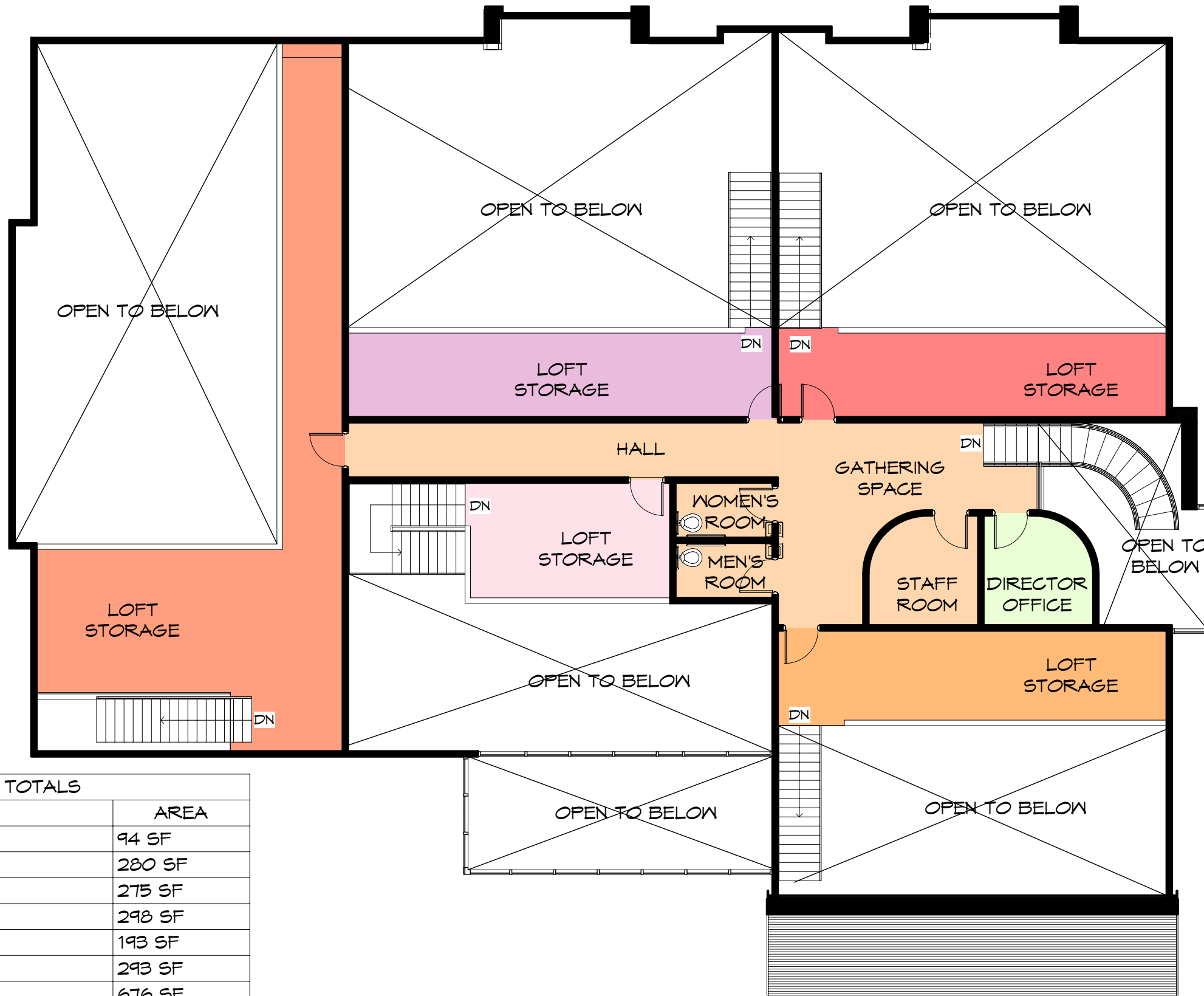
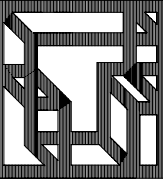


# PROPOSED FIRST FLOOR PLAN

1 3/32" = 1'-0"

GROUND FLOOR AREA TOTALS	
ROOM NAME	AREA
BATH	44 SF
BIOFEED/ GARDENING/ COMPOSTING WORKSHOP	956 SF
CARPENTRY WORKSHOP	1307 SF
COMMON BATHROOM	63 SF
COMMON BATHROOM	62 SF
ENTRY	538 SF
GEOHERMAL PIPING (PLUMBING) WORKSHOP	1191 SF
GREENHOUSE	302 SF
MAINTENANCE BAY	1812 SF
STAFF LOUNGE	163 SF
WEATHERIZATION/ SOLAR PANEL (ELECTRICAL) WORKSHOP	1087 SF
SUBTOTAL GROUND FLOOR AREAS	7525 SF
WALLS & CIRCULATION	539 SF
TOTAL GROUND FLOOR AREA	8064 SF





LOFT AREA TOTALS	
ROOM NAME	AREA
DIRECTOR'S OFFICE	94 SF
GATHERING SPACE	280 SF
LOFT STORAGE	275 SF
LOFT STORAGE	298 SF
LOFT STORAGE	193 SF
LOFT STORAGE	293 SF
LOFT STORAGE	676 SF
MEN'S ROOM	44 SF
STAFF ROOM	94 SF
WOMEN'S ROOM	44 SF
SUBTOTAL LOFT FLOOR AREAS	2291 SF
WALLS & CIRCULATION	580 SF
TOTAL LOFT FLOOR AREA	2871 SF

1 PROPOSED LOFT FLOOR PLAN  
3/32" = 1'-0"

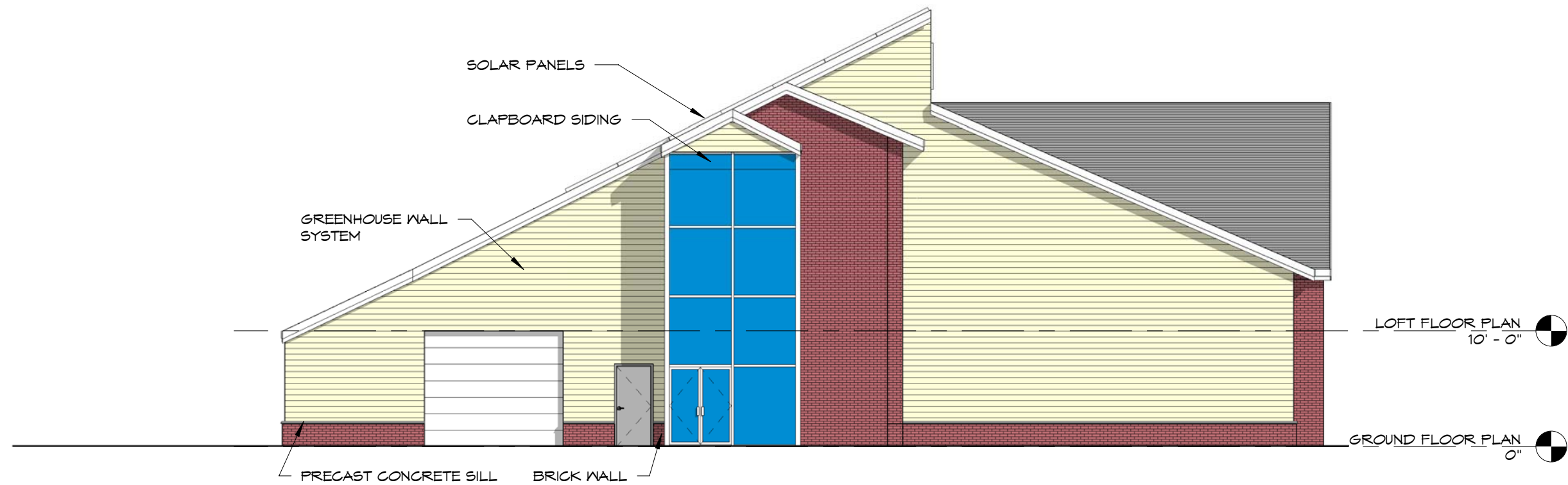


NORTH

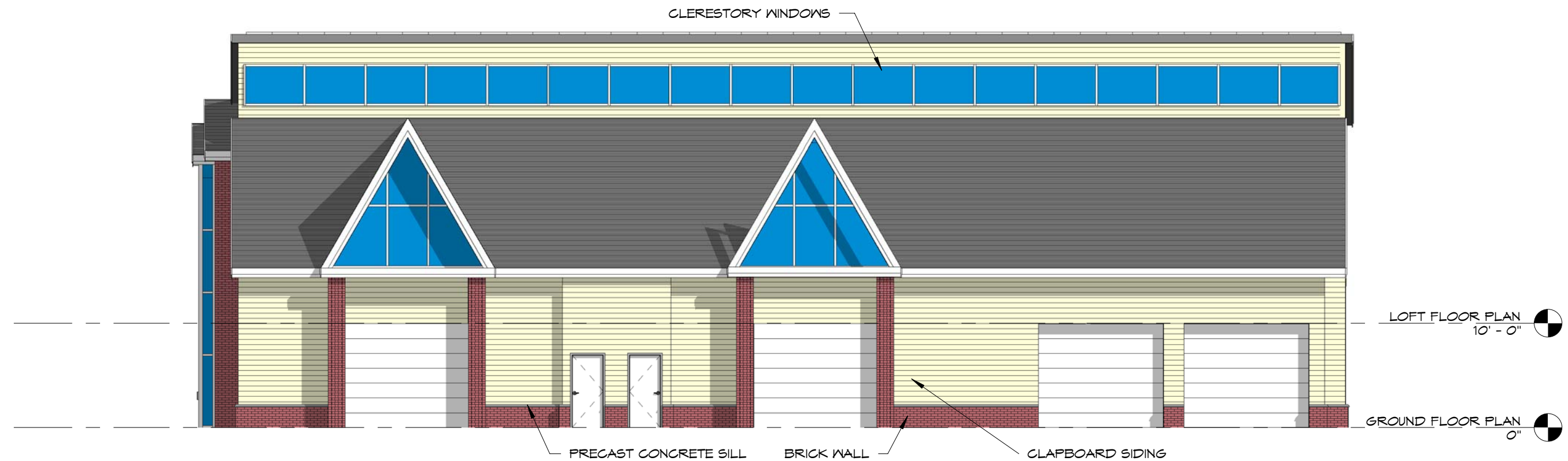


PLAN NORTH

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date	01/01/10
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checked by	CLT
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project number	0925
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sheet number	P-4
SHEET	OF



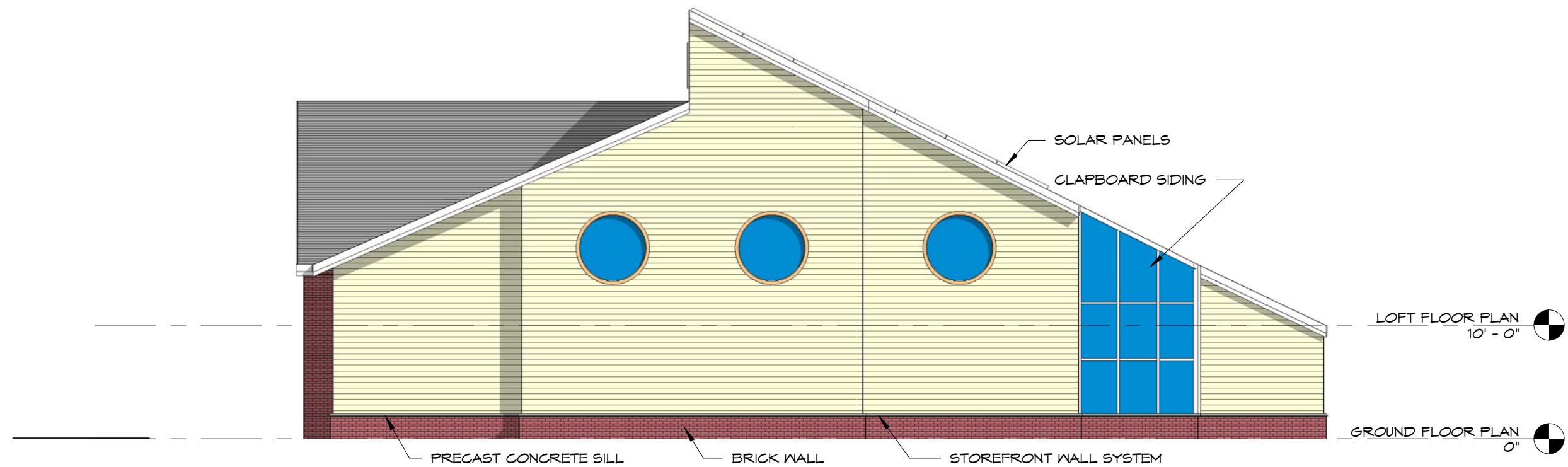
PROPOSED EAST ELEVATION  
 ① 3/32" = 1'-0"



PROPOSED NORTH ELEVATION  
 ② 3/32" = 1'-0"

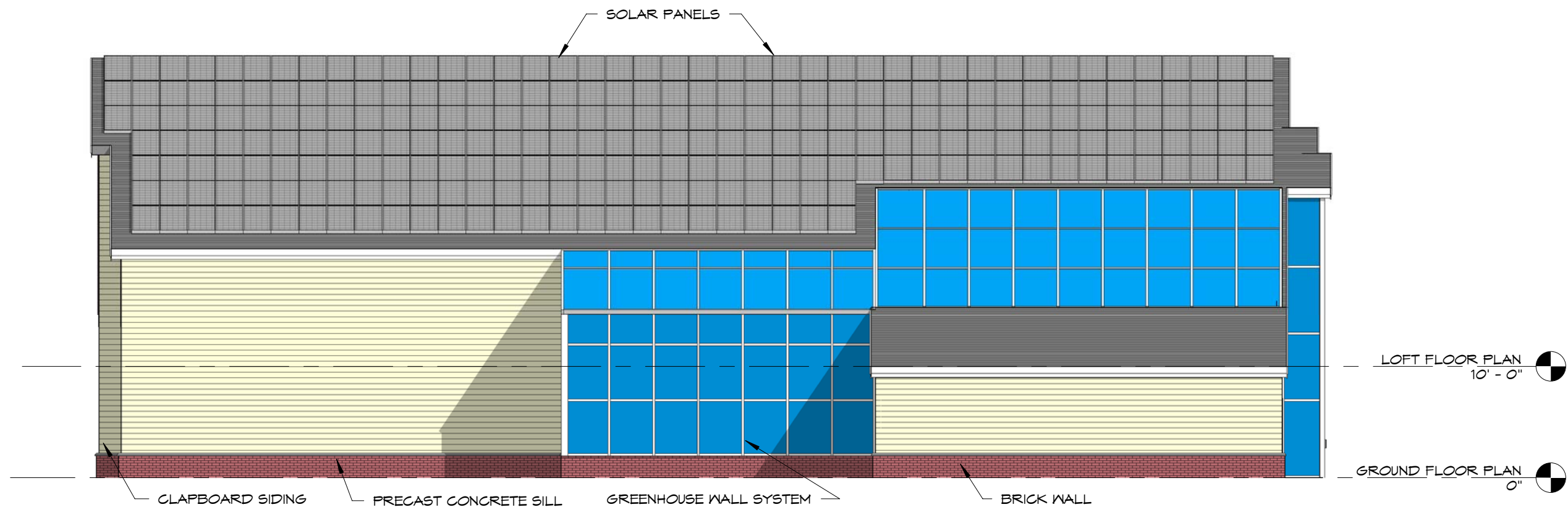
JPA ENERGY TECHNOLOGY &  
 MAINTENANCE CENTER  
 CORNHILL DISTRICT, UTICA, NY

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revision	
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checked by	CLT
approved by	CLT
scale	3/32" = 1'-0"
project number	0925
sheet title	PROP. NORTH & EAST ELEVATION
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## PROPOSED WEST ELEVATION

①  $3/32" = 1'-0"$



## PROPOSED SOUTH ELEVATION

②  $3/32" = 1'-0"$

JPA ENERGY TECHNOLOGY &  
MAINTENANCE CENTER  
CORNHILL DISTRICT, UTICA, NY

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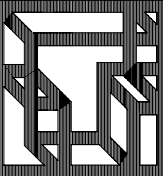
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checked by CLT  
approved by CLT  
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WEST  
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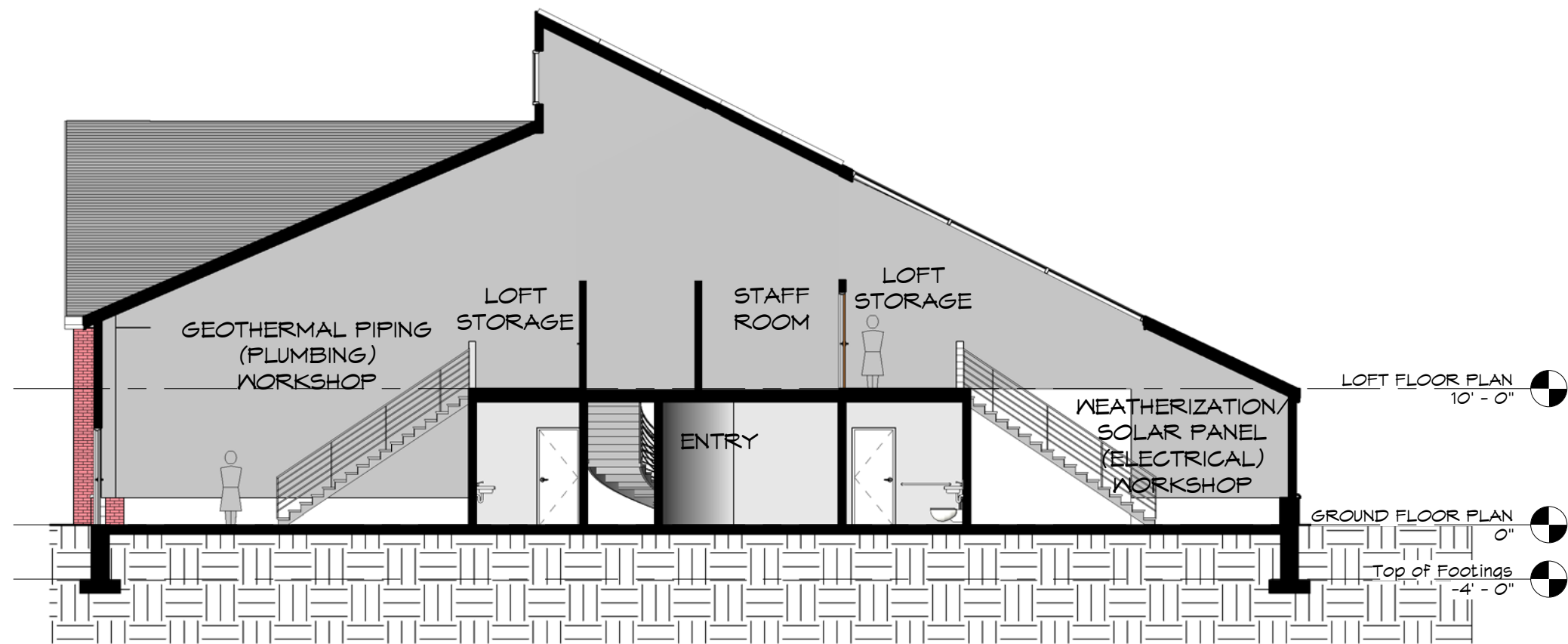
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SHEET OF



JPA ENERGY TECHNOLOGY &  
MAINTENANCE CENTER  
CORNHILL DISTRICT, UTICA, NY



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drawn by JDC

checked by CLT

approved by CLT

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A-A

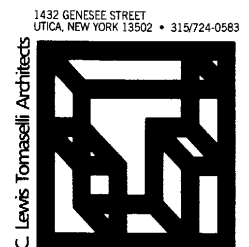
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SHEET OF

# COST STUDY ANALYSIS

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# COST STUDY ANALYSIS UPDATE

The following Cost Study Analysis was prepared in 2010 which included an anticipated Construction Date in 2012. We have recently reviewed our Cost Study Analysis and evaluated the impact of escalation on the Construction Cost in the Project Area. As a result we have determined that an annual three percent (3%) Construction Cost escalation for the intervening four years is applicable for the Project.

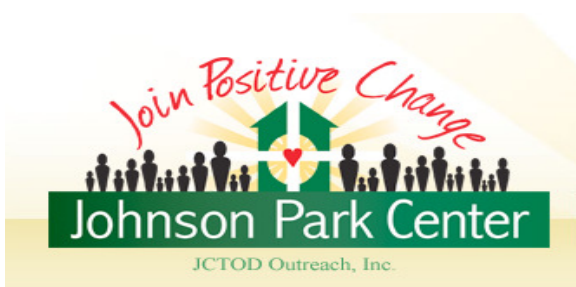
Accordingly, the Total Construction Cost shown on the Cost Study Analysis of \$3,436,488 for 2012 adjusted to include escalation calculates out to be \$3,983,832 for a June 2017 Construction Start.



Prepared By:

A handwritten signature in black ink that reads "Chuck Tomasselli".

Date: 1/08/15



# Cost Study Analysis

## JPA Energy Tech. & Maintenance Center

Project #: 0925

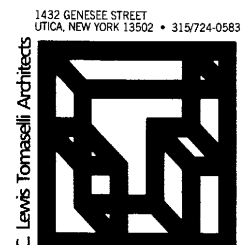
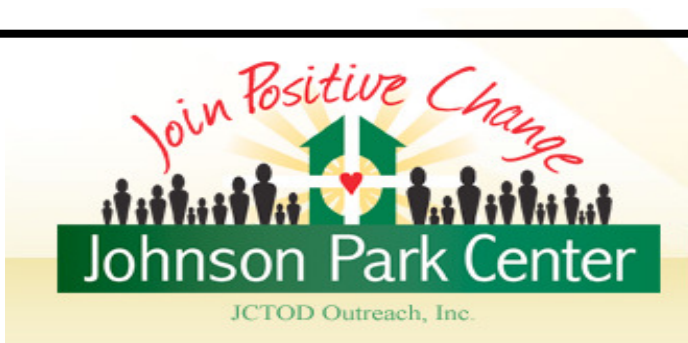
Project Square Footage: 10,952

Date: 07/01/10

	Cost	Cost/SF
1 General Requirements	\$95,000.00	\$8.67
2 Site Work	\$133,600.00	\$12.20
a. Asbestos Removal	Not Included	\$0.00
3 Concrete	\$109,520.00	\$10.00
4 Masonry	\$115,000.00	\$10.50
5 Metals	\$262,848.00	\$24.00
6 Wood & Plastics	\$62,000.00	\$5.66
7 Thermal & Moisture Protection	\$110,000.00	\$10.04
8 Doors & Windows	\$100,000.00	\$9.13
9 Finishes	\$275,000.00	\$25.11
10 Specialties	\$40,000.00	\$3.65
11 Equipment	\$30,000.00	\$2.74
12 Furnishings	\$75,000.00	\$6.85
13 Special Construction	\$0.00	\$0.00
14 Conveying Systems	\$75,000.00	\$6.85
15 Mechanical		
a. Heating/Ventilation	\$820,000.00	\$74.87
b. Plumbing	\$100,000.00	\$9.13
c. Fire Protection	\$42,000.00	\$3.83
16 Electrical		
a. Electrical	\$240,000.00	\$21.91
b. Solar Panels	\$270,000.00	\$24.65
<b>Subtotal</b>	<b>\$2,954,968.00</b>	<b>\$269.81</b> per S.F.
Contingency 5%	\$147,748.40	
Builder's Overhead & Profit 10%	\$310,271.64	
Bond	\$23,500.00	
<b>TOTAL</b>	<b>\$3,436,488</b>	<b>\$314</b> per S.F.

# LEED SPEC REQUIREMENTS

.



## **SECTION --- LEED Requirements**

### **PART 1 -- GENERAL**

- 1.1 Related Documents
- 1.2 Summary
- 1.3 Definitions
- 1.4 Submittals
  - A. General
  - B. LEED submittals
  - C. Project Materials Cost Data
  - D. LEED Action Plans
  - E. LEED Progress Reports
  - F. LEED Documentation Submittals:

### **PART 2 – PRODUCTS**

- 2.1 RECYCLED CONTENT OF MATERIALS -- MR Credit 4:

- 2.2 REGIONAL MATERIALS -- MR Credit 5:

- 2.3 LOW-EMITTING MATERIALS

- A. EQ Credit 4.1
- B. EQ Credit 4.2
- C. EQ Credit 4.4

### **PART 3 – EXECUTION**

- 3.1 Construction Waste Management:
  - A. MR Credit 2
- 3.2 Construction Indoor Air Quality Management
  - A. EQ Credit 3.1

**END OF SECTION**

## **SECTION – CONSTRUCTION WASTE MANAGEMENT**

### **PART 1 – GENERAL**

- 1.1 Related Documents
- 1.2 Drawings
- 1.3 Summary
  - A. Administrative and procedural requirements
- 1.4 Definitions
  - A. Construction Waste
  - B. Demolition Waste
  - C. Disposal
  - D. Recycle
  - E. Salvage
  - F. Salvage and Reuse
- 1.5 Performance Requirements
  - A. General

- B. Salvage/Recycle Requirements
- 1.6 Submittals
  - A. Waste Management Plan
  - B. Waste Reduction Progress Reports
  - C. Waste Reduction Calculations
  - D. Records of Donations
  - E. Records of Sales
  - F. Recycling and Processing Facility Records
  - G. Landfill and Incinerator Disposal Records
  - H. LEED Submittal
- 1.7 Quality Assurance
  - A. Regulatory Requirements
  - B. Waste Management Meeting
- 1.8 Waste Management Plan
  - A. General
  - B. Waste Identification
  - C. Waste Reduction Work Plan
  - D. Cost/ Revenue Analysis
- 1.

## PART 2 – PRODUCTS (Not Used)

## PART 3 – EXECUTION

- 3.1 Plan Implementation
  - A. General
  - B. Waste Management Coordinator
  - C. Training
  - D. Site Access and Temporary Controls
- 3.2 Recycling Construction Waste, General:
  - A. General
  - B. Recycling Receivers and Processors
  - C. Recycling Incentives
  - D. Procedures
- 3.3 Recycling Construction Waste
  - A. Packaging
  - B. Site-Clearing Waste
- 3.4 Disposal of Waste
  - A. General
  - B. Burning

**End of Section**



**Additional LEED Requirements apply and at a minimum will be added for:**

Section 2200 – Site Work  
Section 2221 – Trenching & Backfilling  
Section 2511 – Underdrains  
Section 2512 – Site Concrete  
Section 2630 – Concrete Sidewalks  
Section 2636 – Stone Curb  
Section 2780 – Unit Pavers  
Section 3300 – Cast-In-Place Concrete  
Section 4200 – Unit Masonry  
Section 5120 – Structural Steel  
Section 5130 – Steel Deck  
Section 5400 – Cold-Formed Metal Framing  
Section 5500 – Miscellaneous Metal  
Section 6100 – Rough Carpentry  
Section 6200 – Finish Carpentry  
Section 7150 – Vapor Barrier  
Section 7200 – Building Insulation  
Section 7240 – Roof Insulation  
Section 7540 – Roofing System  
Section 7600 – Flashing and Trim  
Section 8110 – Hollow Metal Work  
Section 8210 – Wood Doors  
Section 8400 – Aluminum Entrances and Store Front System Windows  
Section 8520 – Aluminum Windows  
Section 8710 – Finish Hardware  
Section 8800 – Glass & Glazing  
Section 9250 – Gypsum Drywall  
Section 9310 – Ceramic Tile  
Section 9510 – Acoustical Ceilings  
Section 9650 – Resilient Flooring  
Section 9680 – Carpeting  
Section 9900 – Painting  
Section 10500 – Metal Lockers

**\*\*Append LEED Submittal Forms**