

Ann Arbor City Council Regular Session: January 6, 2014
Email Redactions List Pursuant to Council Resolution R-09-386

	A	B	C	D	E	F	G
1	<u>Received</u>						
	<u>Sent Time</u>	<u>Time</u>	<u>TO</u>	<u>From</u>	<u>CC</u>	<u>Redactions</u>	<u>Reason for Redaction</u>
2	7:12 PM		Mike Anglin	Jeff Hayner		Email address	Privacy
3	7:12 PM		Sally Petersen	Jeff Hayner		Email address	Privacy
4	7:12 PM		Sumi Kailasapathy	Jeff Hayner		Email address	Privacy
5	7:34 PM		Christopher Taylor	Eva Rosenwald		Email address	Privacy
6	8:10 PM		Matt Warba	Craig Hupy	Jody Caldwell, Christopher Taylor, Venita Harrison, Steve Powers, John Hieftje, Chuck Warpehoski, Mike Anglin, Sara Higgins, Kevin Ernst, Kirk Pennington		
7	8:35 PM			Jack Eaton		Email address	Privacy
8	8:43 PM		All City Council Members	Jacqueline Beaudry			
9	8:46 PM		Jacqueline Beaudry	Christopher Taylor			
10	9:07 PM		Ryan Stanton	Tom Slavens	John Hieftje, Michal Porath	Email address	Privacy
11	10:00 PM		Sally Petersen	Henry Brysk		Email address	Privacy
12	10:04 PM		Jack Eaton	Will Greenberg		Email address	Privacy
13	10:07 PM		Stephen Postema, All City Council Members	Kevin McDonald		Email	Attorney-Client Privilege
14							
15							
16							
17							
18							

Alexa, Jennifer

From: Jeff [REDACTED]
Sent: Monday, January 06, 2014 7:12 PM
To: Anglin, Mike
Subject: Traverwood Apartments

I cannot make to to council meeting in time for the PH on Traverwood apartments, had I been able to I would have done my best Lorax impersonation, jumped up on the stump, and spoken for the trees.

There are many hundreds of trees being removed for this project, many of which are landmark trees. Take a look at the survey included in the documents down on the frst floor outside planning.. Pages and pages of trees being removed. Despite the donation of the 2.2 acres of un-developable land next to the park, the poor quality of our remediation program for landmark trees (10-3" trees do not equal 1-30" tree in my opinion) makes this project a net loss.

The most important green spaces are inter-urban green spaces, and the loss of this one is a real blow to the Northside Eco-system. This was a very desirable chunk of land, and I speak for many in our neck of the (rapidly disappearing) woods, when I say I oppose this development, the destruction of the natural wetlands, and the destruction of the established ecosystem.

In addition, I do not support the rezoning, the continued erosion and replacement with residential of our light industrial, office and research zones is bad for the economy. Please consider mentioning these concerns durning discussion of the resolution.

Thank you,

Jeff Hayner

Alexa, Jennifer

From: Jeff [REDACTED]
Sent: Monday, January 06, 2014 7:12 PM
To: Petersen, Sally
Subject: Traverwood Apartments

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Jeff Hayner

Alexa, Jennifer

From: Jeff [REDACTED]
Sent: Monday, January 06, 2014 7:12 PM
To: Kailasapathy, Sumi
Subject: Traverwood Apartments

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Thank you,

Jeff Hayner

Alexa, Jennifer

From: Eva Rosenwald [REDACTED]
Sent: Monday, January 06, 2014 7:34 PM
To: Christopher Taylor; Taylor, Christopher (Council)
Subject: 2020 Wiltshire Court

Nice man called quite concerned about his street not being plowed (you spoke with his wife earlier today). They are completely snowed in, have tried the Snow Hotline listed in your email all day and nobody is picking up the phone. He is requesting that someone come plow the court, where all three (?) houses are snowed in, so he can get to court in the morning. Do you know who to call to make this happen?

Eva

2020 Wiltshire Court

Alexa, Jennifer

From: Warba, Matt
Sent: Monday, January 06, 2014 8:10 PM
To: Hupy, Craig
Cc: Caldwell, Jody; Taylor, Christopher (Council); Harrison, Venita; Powers, Steve; Hieftje, John; Warpehoski, Chuck; Anglin, Mike; Higgins, Sara; Ernst, Kevin; Pennington, Kirk
Subject: RE: 2020 Wiltshire Ct

Craig,

The number for the snow desk is 734-794-6367. The snow desk has not been activated since the City switched over to the voice over IP phone system a few years back. I have attached the hyperlink to the snow removal page that has current information below. I will check any other outward facing pages to ensure that everything is current tomorrow.

<http://www.a2gov.org/government/publicservices/fieldoperations/Pages/SnowRemoval.aspx>

Abbot and Northwood should be complete by Midnight tonight
Wiltshire should be completed by 6:00 a.m.

Sincerely
Matt Warba
Assistant Manager Field Operations

-----Original Message-----

From: Hupy, Craig
Sent: Monday, January 06, 2014 6:49 PM
To: Warba, Matt; Caldwell, Jody
Subject: FW: 2020 Wiltshire Ct

-----Original Message-----

From: Taylor, Christopher (Council)
Sent: Monday, January 06, 2014 5:12 PM
To: Hupy, Craig
Cc: Harrison, Venita; Powers, Steve; Higgins, Sara; Hieftje, John
Subject: 2020 Wiltshire Ct

Hi Craig,

Resident describes trying the 994-SNOW number several times, with no pick up. Understanding that crews are working long, difficult shifts, do you have an ETA for 2020 Wiltshire Ct? The resident there contacted me to report that the street is impassable.

Thank you!

Christopher

Christopher Taylor Member Ann Arbor City Council (Third Ward)
734-834-3600 (c) [New Number]
734-531-1331 (w) [New Number]

734-213-6223 (h) wadeww2434@sbcglobal.net Like me on Facebook at:
<https://www.facebook.com/ChristopherTaylorForAnnArbor>

Alexa, Jennifer

From: Eaton, Jack
Sent: Monday, January 06, 2014 8:35 PM
To: [REDACTED]
Subject: report
Attachments: 721NMainBuildingAssessment-Final.pdf

See attached

Jack Eaton
Ward 4 City Council Member
734-662-6083

**Email messages to me regarding matters related to
City Council business are subject to public disclosure
under the Michigan Freedom of Information Act.**

721 North Main Street



Existing Facility Assessment Final Report

City of Ann Arbor
May 3, 2013

Prepared by:
inFORM studio
SDI-Structures

Mechanical Electrical Engineering Consultants, p.c

Table of Contents

INTRODUCTION:	
Scope and Objective of Report	1
Methodology	1
Report Team	1
Facility Assessment	
Background Statement	2
Existing Building Plan	3
Flood Assessment	4-5
Building Systems	
Exterior Facade:	
Building 1	6-13
Building 2	14-19
Interior:	
Building 1	20-23
Building 2	24-27
Roof:	
Existing Roof Systems	28-29
Building 1 & Building 2	30-33
Electrical Assessment	34-37
Mechanical Assessment	38
Structural Assessment	39
Hazardous Materials	40-41
Accessibility	42-43
Cost Analysis	
Proposals	
721 Gallery and Studios	44-45
Allen Creek Sustainability Center	46-47
721 N. Main Street Architectural Explorations	48-50

Introduction

Scope and Objective of This Report:

The overall goal of this report is to assess and evaluate the existing conditions of the Maintenance Garage structure at 721 N. Main Street; provide recommendations for the treatment and maintenance of the facility; determine related costs and phasing for these treatments; and propose suggestions for possible adaptive re-use potentials which the facility may be redeveloped for.

The items to be evaluated are:

- Previous use of the building and floor areas.
- Structural condition of the framing members.
- Assessment of the structural integrity of the building envelope.
- Assessment of the facilities plumbing systems.
- Assessment of the building electrical systems.
- Provide an estimate of probable cost (repairs | upgrades)
- Suggestions for possible adaptive re-use potential.

Methodology

The information in this report was gathered through on-site observations, as well as by studying written and photographic documentation previously conducted and related to the 721 N. Main Street site. The assessment team consisted of two inFORM studio architects, a structural engineer from SDI (Structural Design Inc.) and a mechanical and electrical engineer from Mechanical Electrical Engineering Consultants PC. Observations consisted of visual and photographic examination of existing conditions and did not include any destructive demolition. Noninvasive observation techniques were used and additional follow-up observations were conducted to confirm conditions and reexamine specific areas.

This report has been prepared by:

inFORM
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Director of Electrical Engineering

Facility Assessment

Background Statement

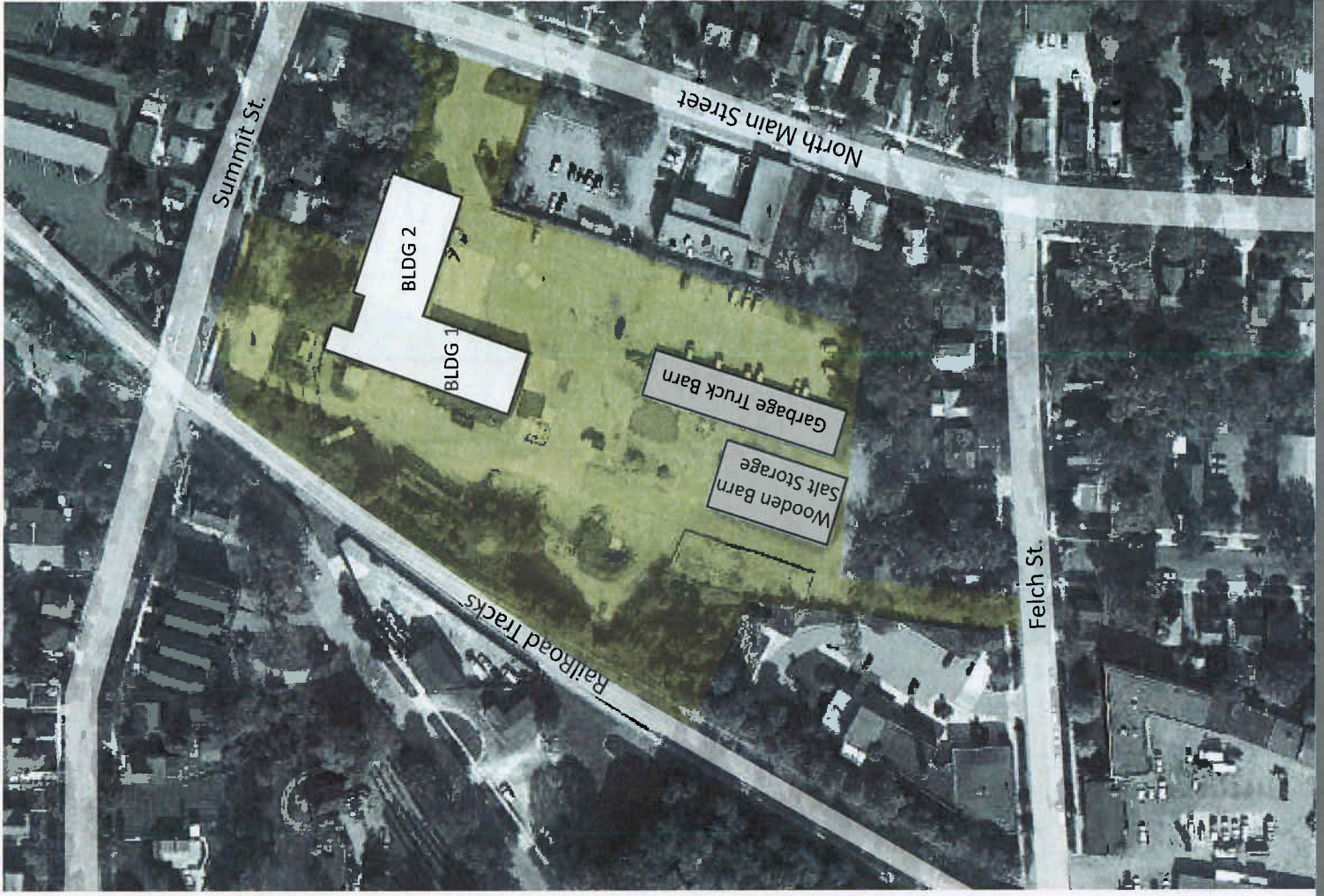
This report pertains to the review and evaluation of the structure located at 721 N. Main Street in Ann Arbor, MI. The 5.1-acre site, was formerly utilized by the City of Ann Arbor Fleet Services Division, contains three existing buildings. Two existing structures located at the south end of the site and within the Allen Creek Floodway (a 5,800 sq.ft. building used to store road salt and a larger 7,220 sq.ft. structure used for vehicle storage) are slated for demolition with the aid of an \$88K Hazard Mitigation Grant from the Federal Emergency Management Agency (FEMA). This assessment focuses on the largest of the three buildings, a former maintenance garage and office facility, located on the north side of the Allen Creek Floodway and within the Flood Fringe (which allows for a 1% Annual Chance Flood Hazard). The building is comprised of an original single story structure built in the early 1900's and a later addition which houses a two-story office component and a high-bay vehicle maintenance area. The structure is currently being used to store waste collection containers and office furniture for the City of Ann Arbor.

Existing Building:

The existing building can be separated into two separate structures (Building 1 & Building 2) with a partial second floor area located along the southern edge of Building 2.

Building 1 (c.1928) is a 65.5'x 185' rectangular shaped structure (12,161 sq.ft.) including a step-down boiler room addition on the north end of the building. Access from the exterior is provided through two (2) man-doors and four (4) overhead doors. This portion of the facility is currently used to house waste collection containers. The existing roof construction consists of painted metal deck supported by lightweight angles and flat plate connectors bolted together to form a series of segmented bowstring trusses with steel purlins running perpendicular to the top truss chords. The steel girders are bearing on steel columns within the double-wythe brick wall. The floor is a concrete slab on grade with a trench drain cut into the slab and running in the north-south direction. A partial basement housing the original Boiler Room is located at the North-West corner of the building. Access was restricted due to flooding at the time of our visit. The walls of the sub-basement are a combination of cast-in-place concrete foundation wall and double-wythe brick.

Building 2 (c.1957) is an 85'x126' jogged rectangular shaped, partial two-story structure (10,186 sq.ft. 1st floor and 2,968 sq.ft. mezzanine). The building has two (2) overhead doors and 3 man-sized doors. The existing roof construction consists of a cementitious, wood fiber roof deck similar to Tectum or PetriCal deck supported by steel steel girders and open web steel joists. The beams and trusses are supported on steel columns along the north and south exterior walls. The exterior wall is a cavity wall consisting of a brick veneer on a concrete masonry unit back-up. The south section of the building consists of a single story office entry, a shop and tool storage room. The second floor mezzanine is accessed by stairs on the East and West ends of the building and lead to administrative areas, washroom and change rooms.



Existing Building Floor Plan

Square Footage:

Building 1: 12,161. SF

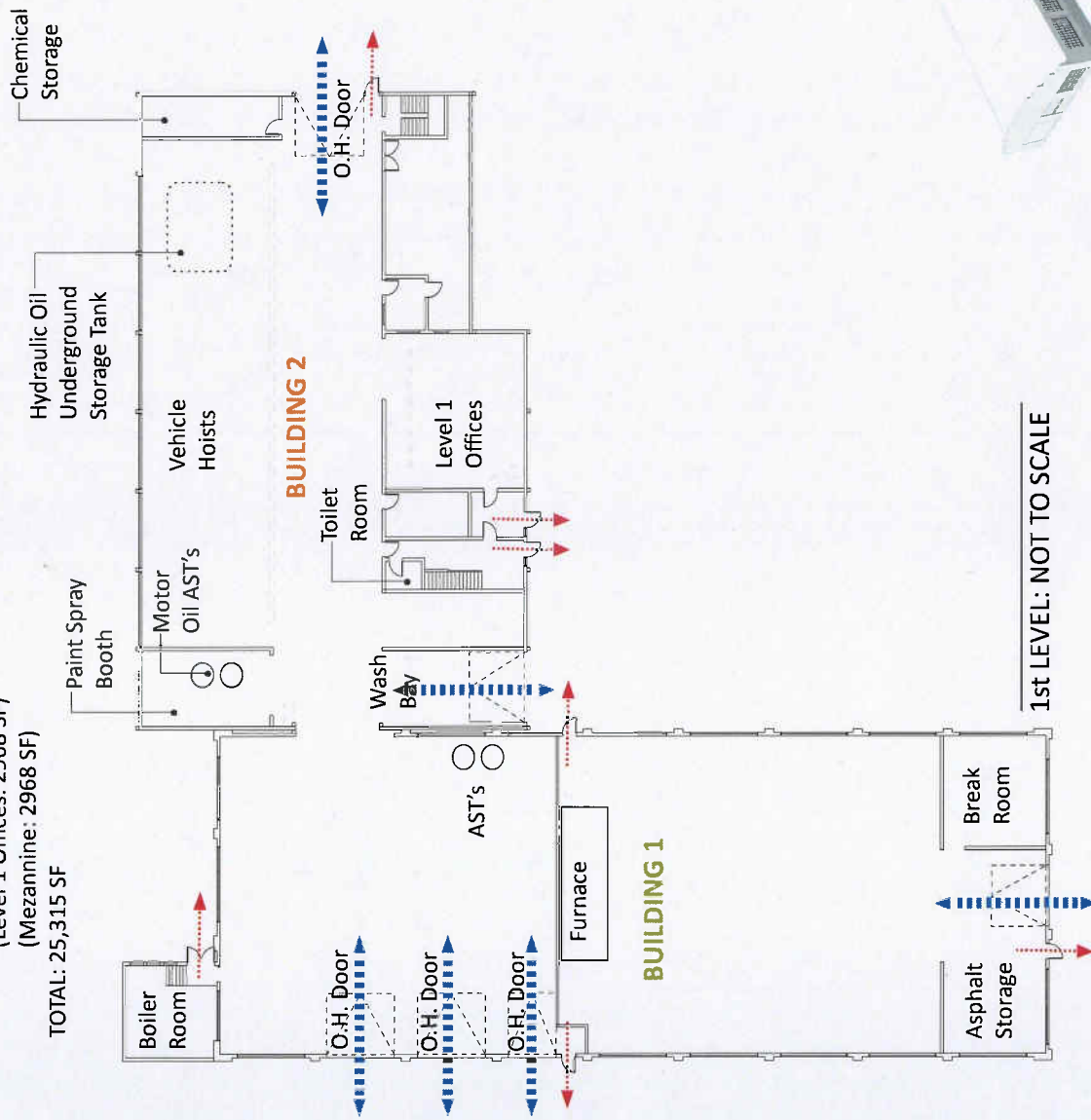
Building 2: 13,154 SF

(High Bay Area: 7218 SF)

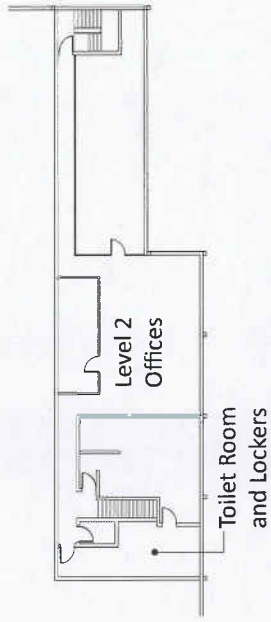
(Level 1 Offices: 2968 SF)

(Mezzanine: 2968 SF)

TOTAL: 25,315 SF



1st LEVEL: NOT TO SCALE



2nd LEVEL: NOT TO SCALE



BUILDING 1 - BUILDING 2 | FLOODPLAIN Description

The 721 N. Main St. Building sits within the flood fringe portion of the Allen Creek floodplain. The flood fringe is defined as “the portion of the floodplain that is outside the floodway. It is generally associated with standing, rather than flowing, water. Typically there is a 1% annual chance of a flood hazard within the flood fringe.

The following policies for new and substantially improved buildings in the flood fringe are identified by the City of Ann Arbor:

Standards for new buildings in flood fringe

The NFIP (National Flood Insurance Program | FEMA) recommends that residential uses in the floodplain be discouraged and that the lowest floor of any new residential structure must be elevated to an elevation 1 foot above the 100-year flood elevation.

The lowest floor of any new non-residential structure must be elevated or flood-proofed to an elevation 1 foot above the 100-year flood elevation.

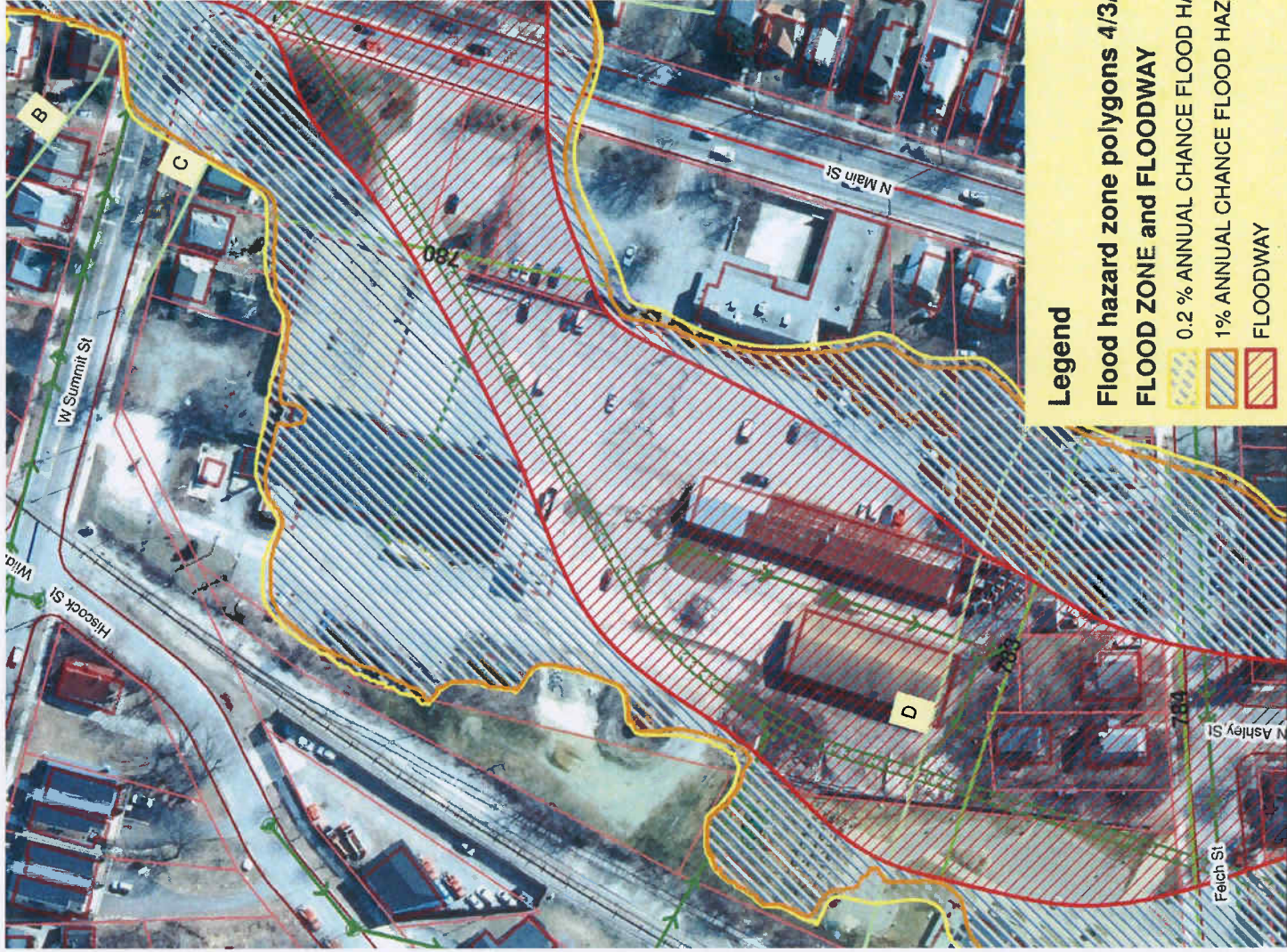
Standards for substantially improved buildings

All structures that are improved in the floodplain and floodway must meet standards for new buildings if the value of the improvements exceeds 50% of the market value of the structure.

The 721 N. Main St. Building has an established finished floor elevation of 778.80'. The 100-year Base Flood Elevation at the site is 781.50'. The substantially improved structure would need to be flood-proofed to an elevation of 782.50', which is 3.70' above the existing finished floor elevation.

An excerpt from the FEMA website below states;
Flood-proofing is any combination of structural and non-structural additions, changes, or adjustments to structures which reduce or eliminate flood damage to real estate or improved real property, water and sanitary facilities, structures and their contents.

The National Flood Insurance Program (NFIP) allows a new or substantially improved non-residential building in an a Zone A, AE, A1-30, AR, AO or AH) to have a lowest floor below the Base Flood Elevation (BFE), provided that the design and methods of construction have been certified by a registered professional engineer or architect as being dry flood-proofed in accordance with established criteria.



Reprinted from the City of Ann Arbor website:
<http://www.a2gov.org/government/communityservices/planninganddevelopment/planning/Documents/7721/7721%20N%20Main%204-3-12%20DFIRM.pdf>

Flood-Proofing Strategies

Direct Source | The U.S. Army Corps of Engineers National Flood Proofing Committee
 http://www.usace.army.mil/Missions/CivilWorks/ProjectPlanning/nfpc.aspx

The adjacent diagram is a **Flood Damage Reduction Matrix** to be used as a reconnaissance and initial assessment tool to assist in selecting the appropriate Flood Damage Reduction measures for site specific criteria.

Drafted by the NFPC (Non-structural Flood Proofing Committee) these measures are permanent or contingent measures applied to a structure and/or its contents that prevent or provide resistance to damage from flooding. Non-structural Flood Proofing measures differ from Structural Flood Proofing measures in that they focus on reducing the consequences on flooding instead of focusing on reducing the probability of flooding. **Structural measures** such as dams, levees, and floodwalls alter the characteristics of the flood and reduce the probability of flooding in the location of interest. **Non-structural measures** alter the impact or consequences of flooding and have little to no impact of the characteristics of flood.

The adjacent matrix provides a quick reference for comparing the applicability of different flood damage reduction measures, a few of which are explained further below;

Elevation - Involves raising the buildings in place so that the structure sees a reduction in frequency and/or depth of flooding during high-water events. Elevation can be done on fill, foundation walls, piers, piles, posts or columns. Selection of proper elevation method depends on flood characteristics such as flood depth or velocity.

Relocation - involves moving the structure to another location away from flood hazards.

Buyout/Acquisition - involves purchase and elimination of flood damageable structures, allowing for relocation away from flood hazards.

Dry Flood Proofing - involves sealing building walls with waterproofing compounds, impermeable sheeting, or other materials to prevent the entry of floodwaters into damageable structures. Applicable in areas of shallow, low velocity flooding.

Wet Flood Proofing - measure allows floodwater to enter the structure, vulnerable items such as utilities appliances and furnaces are relocated or waterproofed to higher locations. By allowing floodwater to enter the structure hydrostatic forces on the inside and outside of the structure can be equalized reducing the risk of structural damage.

Local Levees and Floodwalls - are freestanding structures located away from the building that prevent the encroachment of floodwaters.



US Army Corps Of Engineers

National Nonstructural/Flood Proofing Committee

US Army Corps of Engineers



National Nonstructural/Flood Proofing Committee

FLOOD DAMAGE REDUCTION MEASURES	NON-STRUCTURAL MITIGATION MEASURES												STRUCTURAL MITIGATION MEASURES						
	Elevation on Foundation Walls	Elevation on Piers	Elevation on Columns or Posts	Elevation on Piles	Elevation on Fill	Relocation	Buyout/Acquisition	Levees and Floodwalls	Levees and Floodwalls with Flood Gates	Dry Flood Proofing	Wet Flood Proofing	Food Warning	Food Plan	Food Preparation	NFIP	Channel	Dams	Diversions	
FLOOD DAMAGE REDUCTION MATRIX	Shallow (<3 ft)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moderate (3 to 6 ft)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Deep (greater than 6 ft)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Flood Velocity	Slow (less than 3 fps)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Moderate (3 to 5 fps)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Fast (greater than 5 fps)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Flash Flooding	Yes (less than 1 hour)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	No	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Ice and Debris Flow	Yes	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	No	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Site Location	Coastal Flood Plain	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Beach Front	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Interior (Low Velocity)	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Suburban Flood Plain	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Soil Type	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Characteristics	Impermeable	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Structure Foundation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Building Characteristics	Slab on Grade	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Crawl Space	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Construction	Basement	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Structure Construction	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Building Characteristics	Concrete or Masonry	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Metal	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Condition	Wood	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Excellent to Good	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Building Characteristics	Fair to Poor	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Structure Protected	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Characteristics	Cost to Implement	M	M	M	M	M	H	M	M	L	L	L	L	L	L	L	H	H	H
	Potential Flood Insurance Cost Reduction (Residential)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Potential Flood Insurance Cost Reduction (Commercial)	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Characteristics	Potential Adverse Flooding Impact on Other Property	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Reduction in Admin Costs of NFIP	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Reduction in Costs of Disaster Relief	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Characteristics	Reduction in Emergency Costs	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Reduction in Damage to Public Infrastructure	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Potential for Catastrophic Damages if Design Elevation Exceeded	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Structure Characteristics	Promotes Flood Plain Development	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Environmental	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Ecosystem Restoration Possible	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Structure Characteristics	Potential Adverse Environmental Impact	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Recreation	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Recreat on Potential	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Structure Characteristics	Community Remains Intact	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Population Protected	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Structure Characteristics	Potential Structure Marketability Increase	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

1 NFIP Flood Mitigation may vary but it is usually buyout/acquistic
 2 Not generally recommended
 3 Buyout/acquistion only
 4 Elevation only
 5 Post FEMA construction only
 6 Post FEMA structures elevation on fill
 7 Yes, if project provides 100 year or greater protection
 8 Yes, if in flood plains less frequent than the 100-year
 Y-Yes
 N-No
 L-Low
 M-Medium
 H-High
 May 2010

The US Army Corps of Engineers National Flood Proofing Committee (NFPC) is available to assist in any aspect of formulating and implementing nonstructural flood damage reduction measures and realizing the opportunities that exist with nonstructural.

For more information, please contact the NFPC Chairman @ dil-cenwo-nfpc@usace.army.mil or visit the NFPC website at www.nwo.usace.army.mil/nfpc

BUILDING 1 | EXTERIOR ENVELOPE ASSESSMENT

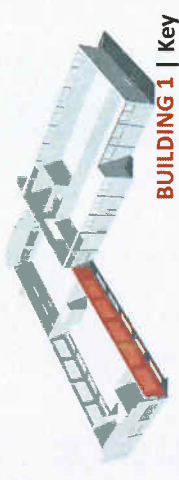
East Elevation

The East elevation is divided into six separate bays. Access to the high-bay area of the building is provided through a single man-sized entry door in the northern most bay of the facade. Large sash windows with concrete sills occupy the remaining bays.

Existing Conditions

Brick

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Brick is in poor condition and has deteriorated and crumbled in several areas with signs of thermal expansion and water infiltration damage.
 - Vegetation growth from the foundation wall at grade was observed. The growth ranges from small twigs to larger and sturdier roots which have been cut back to the wall.
 - Mortar is in poor condition and has deteriorated and fallen away in many locations across the facade.
 - Wood fascia secured to the brick wall behind the existing eaves trough is decaying or completely rotted through in several locations.
 - Precast concrete coping at brick pilasters is stained and worn. The mortar joint between the brick and concrete has been compromised and has allowed water to infiltrate the wall cavity.
 - Lack of adequate expansion and control joints in the brick facade has resulted in damage and failure in the system due to thermal expansion.



Paint | Sealant

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Minimal use of sealant and paint observed. No sealant or expansion joint material between brick and steel door frame. Joint sealant between windows and brick has deteriorated.

Windows

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Steel Sash Windows
 - Steel window sashes are corroded and in poor condition. No exterior paint remains on the steel. Glazing putty has deteriorated and cracked, and may potentially contain asbestos fibers.
 - Spray-on insulation has been applied to the existing steel sash windows, jambs, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane has deteriorated exposing the spray-on insulation to the exterior elements in many areas. Spray-on insulation is also exhibiting signs of deterioration.
 - Lintel appear to be in poor condition and exhibiting signs of moderate corrosion in areas where it could be observed below the spray-on insulation.

Doors

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Man Doors
 - There is one man sized door and it is in very poor condition. The door appears to be unpainted plywood mounted on heavy duty hinges that are very rusted. However, the door is operable and lockable.
 - There is a gap beneath the door several inches high that allows pest and insect infiltration.
 - This door does not provide thermal protection.
 - The steel jamb is very rusted throughout, yet is in operable condition.





E1.1 The gutter has disconnected from hangers at many locations along the existing fascia. Several hangers have broken and fallen away from the building. The gutter is sagging and deteriorated in locations where water cannot drain.



E1.4 An open joint between the fascia and South Elevation parapet wall was observed. The wood fascia board is in poor condition and is displaying signs of severe rot and deterioration. There appears to be structural failure in the South Elevation parapet wall which is bowing towards the north.



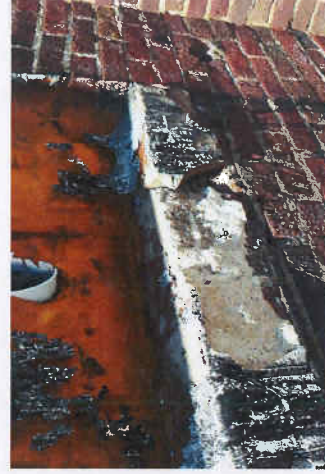
E1.2 The existing brick and mortar joints appear to be in poor condition in concentrated areas along the base of the building. In many areas the mortar has completely deteriorated and the brick has spalled, flaked and cracked away. In some areas the bricks have come completely loose and have exposed the inner wall cavity to both air and water infiltration.



E1.5 The entry door is an untreated wood door in poor condition. Visible signs of deterioration and rot were observed. A substantial door undercut is allowing air and water to infiltrate the building. The adjacent steel jambs are exhibiting signs of moderate corrosion. The concrete slab at the door threshold appears worn and deteriorated. Existing hinges are in poor condition with moderate levels of corrosion. The door knob is in good condition.



E1.3 Spray-on insulation has been applied to the existing steel sash windows, jamba, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane has deteriorated exposing the spray-on insulation to the elements. Original application of the fluid applied membrane has left staining on the concrete window sills and adjacent face brick.



E1.6 The existing concrete sill has failed at some locations in the window bays. The pre-cast material has cracked and separated from the building exposing the interior wall system to water and air infiltration. The mortar joint between the outer brick wythe and concrete sill has deteriorated in many locations.



E1.7 Three of the four existing downspouts tie into conductors as part of the existing storm drainage system for the building. A single downspout at the SE corner of the building is disconnected and damaged and currently discharges onto the adjacent concrete paving. Overall the downspouts and conductors appear to be in fair condition with evidence of semi-recent maintenance.

BUILDING 1 | EXTERIOR ENVELOPE ASSESSMENT

South Elevation

The South Elevation has a stepped parapet condition which rises above the barrel roof framing of the building and provides a vertical termination point for the vaulted condition. An overhead door is situated in the center of the facade and it is flanked by a covered door opening to the west and a steel sash window unit to the east.

Existing Conditions

Brick

Excellent Good Fair Poor

- Brick is in poor condition and has deteriorated and crumbled in several areas with signs of thermal expansion and water infiltration damage. The brick parapet is bowing and bulging northwards and in very poor condition. A section of the brick wall in the SE bay below the existing window opening has failed and collapsed inward.
- Mortar is in poor condition and has deteriorated and fallen away in many locations across the facade.
- Precast concrete coping at the parapet is stained and worn. The mortar joint between the brick and concrete has been compromised and has allowed water to infiltrate the wall cavity.
- Lack of adequate expansion and control joints in the brick facade has resulted in damage and failure in the system due to thermal expansion.
- An original steel sash window unit and brick base has been removed in the SW bay and infilled with a newer concrete masonry unit wall.

Paint | Sealant

Excellent Good Fair Poor

- Minimal use of sealant and paint observed. Joint sealant between windows and brick has deteriorated.
- Remnants of joint sealant between the overhead door and door jamb remains, however large sections of the wood jamb have rotted away or have been removed.

Windows

Excellent Good Fair Poor

- Steel window sashes are corroded and in poor condition. No exterior paint remains on the steel. Glazing putty has deteriorated and cracked. Glazing putty may contain asbestos fibers.
- Spray-on insulation has been applied to the existing steel sash windows, jambs, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane has deteriorated exposing the spray-on insulation to the exterior elements in many areas. Spray-on insulation is also exhibiting signs of deterioration.

Doors

Excellent Good Fair Poor

- Man Doors
 - An existing opening has been covered with a sheet of untreated plywood; exhibiting moderate signs of decay and rot. No perimeter sealant or hardware was observed. The wood sheathing is secured to the existing brick wall with corroding fasteners.
- Overhead Door
 - Seal is completely broken and existing wood jambs have either deteriorated or have been removed. The door has separated from the adjacent brick facade creating large gaps and allowing for water, air and bird infestation. Concrete slab deterioration is evident at the door threshold. Adjacent brick surfaces have been patched with C.I.P. concrete.



BUILDING 1 | Key





S1.1

A section of the outer brick wall has failed below the window and has buckled toward the building interior. In many areas the mortar has completely deteriorated and the brick has spalled, flaked and cracked away. In some areas the bricks have come completely loose and have exposed the inner wall cavity to both air and water infiltration. Concrete window sill is deteriorated and cracked.



S1.4

The existing brick at the SW corner of the building is in extremely poor condition. At the base and in sections throughout the entire wall, the mortar has completely deteriorated and the brick has spalled & flaked. Typical root causes can be attributed to frost or water which has leaked into the brick structure at any entry point (i.e. a crack; or at openings in the roof or window and door penetrations.)



S1.2

It appears that an area of deteriorating brick adjacent to the overhead door has been replaced with cast-in-place concrete. The concrete is in poor condition and has cracked and deteriorated in many areas. The weather stripping at the overhead door has been removed and large gaps have allowed for air and water infiltration. Evidence of bird infestation was observed.



S1.5

Newer galvanized cap flashing has been applied over the brick parapet wall on the west end of the South Elevation. An open joint between the fascia and South Elevation parapet wall was observed. The wood fascia board is in poor condition and is displaying signs of severe rot and deterioration. Mortar has completely deteriorated in some areas of the parapet wall and the brick has spalled and cracked in many locations.



S1.3

The top portion of the wall and parapet of the South Elevation is bulging and bowing northwards. Signs of bond-brick or bond-course failure was observed and it should be noted that this is an extremely dangerous existing condition.

Diagonal stepped-cracking in the brick wall between the window head and brick pilaster was noted as well. In general Building 1 is lacking adequate control and expansion joints to accommodate thermal movement of the brick facade. Coupled with issues of water infiltration, the thermal expansion of the brick has caused significant damage to the facade.



S1.6

Newer galvanized cap flashing has been applied over the brick parapet wall on the west end of the South Elevation where a portion of the parapet has been re-built with non-matching brick. The parapet is bulging and bowing northwards, exhibiting signs of bond-brick or bond-course failure. Original steel sash window unit and concrete sill has been removed and a concrete masonry unit (CMU) infill wall has been constructed in the existing opening. The joints and CMU appear to be in Good-to-Fair condition. Two fire extinguisher cabinets have been secured to the face of the CMU wall. The fire extinguisher is missing from the western-most cabinet.

The existing brick at the SW corner of the building is in extremely poor condition. The brick and mortar have completely deteriorated at the base and in sections throughout the entire wall.

BUILDING 1 | EXTERIOR ENVELOPE ASSESSMENT

West Elevation

The West elevation is divided into nine separate bays. Access to the high-bay area of the building is provided through a single man-sized entry door adjacent to an overhead door. There are three steel overhead doors providing access to the high bay portion of the building that also has access to building 2. Large sash windows with concrete sills occupy the remaining bays.

Existing Conditions

Brick

Excellent Good Fair **Poor**

- Brick is in poor condition and has deteriorated and crumbled in several areas with signs of thermal expansion and water infiltration damage.
- Mortar is in poor condition and has deteriorated and fallen away in many locations across the facade.
- Wood fascia secured to the brick wall behind the existing eaves trough is decaying or completely rotted through in several locations.
- Precast concrete coping at brick pilasters is stained and worn. The mortar joint between the brick and concrete has been compromised and has allowed water to infiltrate the wall cavity.
- Lack of adequate expansion and control joints in the brick facade has resulted in damage and failure in the system due to thermal expansion.

Paint | Sealant

Excellent Good Fair **Poor**

- Minimal use of sealant and paint observed. Spray foam insulation has been applied between the brick and wood jambs at some of the overhead door locations.

Windows

Excellent Good Fair **Poor**

- Steel Sash Windows
- Steel window sashes are corroded and in poor condition. No exterior paint remains on the steel. Glazing putty has deteriorated and cracked and may contain asbestos fibers.
- Spray-on insulation has been applied to the existing steel sash windows, jambs, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane has deteriorated exposing the spray-on insulation to the exterior elements in many areas. Spray-on insulation is also exhibiting signs of deterioration.
- The original steel sash window in the southernmost bay of the facade has been removed and infilled with concrete masonry unit (CMU).

Doors

Excellent Good Fair **Poor**

- Man Door
- The untreated plywood door is in poor condition and exhibiting noticeable signs of decay. Hardware is severely corroded. Steel jamb is moderately corroded and in poor condition.
- Overhead Doors
- The three overhead doors are not part of the original building design. The openings have been cut into the existing bays and the original steel sash window and brick removed. The doors are all in poor condition. Existing weather stripping has deteriorated or has been removed. **OH-1** - Wood jambs are in Fair-to-Poor condition. Door is in Fair-to-Poor condition. Concrete slab deterioration observed at threshold. **OH-2** - Wood jambs are in Poor condition exhibiting signs of rot and decay. Door is in Fair-to-Poor condition. **OH-3** - Steel column jambs are in Fair condition. Northern plate has been removed from jamb side exposing a cross-section of the brick cavity wall to water and air infiltration. Door is in Fair-to-Poor condition. Concrete slab deterioration observed at threshold.



BUILDING 1 | Key





W1.1
Typical Window Bay;
Spray-on insulation has been applied to the existing steel sash windows, jambs, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane has deteriorated exposing the spray-on insulation to the elements. Original application of the fluid applied membrane has left staining on the concrete window sills and adjacent face brick.



W1.4
The existing brick base is in poor condition. The mortar has completely deteriorated and the brick has spalled and cracked. Typical root causes can be attributed to frost or water which may have leaked into the brick cavity. Lack of proper flashing and weep holes in the first course of masonry above finished ground level has contributed to the damage as water entering the cavity could not properly drain.



W1.2
A section of the existing steel window sash and glazing has been removed to accommodate the installation of a louvered vent. A sheet of untreated, moderately deteriorated plywood creates a perimeter seal at the glazing opening. Sealant between the steel sash and plywood sheathing has deteriorated.



W1.5
A portion of the existing brick wall has been removed to accommodate the insertion of an overhead door and associated structure. A section of the original brick wall has been replaced with a concrete masonry unit infill wall. The steel jamb structure is in fair condition. A jamb cover plate (missing on the opposite side of the door) is tack welded to the jamb column and exhibiting signs of moderate corrosion.



W1.3
The existing brick and mortar joints appear to be in poor condition. In many areas the mortar has completely deteriorated and the brick has spalled and cracked away. The brick facade is penetrated by pipes and conduit with no joint sealant around the perimeter of the opening.

Diagonal stepped-cracking in the brick wall between the overhead door and adjacent brick pilaster was observed. A jamb plate which once connected to the steel structural support of the overhead door and sealed along the edge of the brick has been removed exposing the interior wall cavity to air, water and bird infestation.



W1.6
It appears that the original brick was cut to create an opening for a steel frame and man-door. The joint at the perimeter of the frame and brick appears to have been patched with a grout mixture that extends beyond the joint to the adjacent brick facade.

A section of the original window opening has been patched with matching brick. Diagonal stepped-cracking in the brick wall between the original window head and adjacent brick pilaster was noted.

The adjacent wood jamb at the overhead door is in poor condition and exhibiting signs of moderate decay. Spray foam insulation has been applied to the joint between the brick and the jamb and remains exposed.

BUILDING 1 | EXTERIOR ENVELOPE ASSESSMENT

North Elevation

The North Elevation has a stepped parapet condition which rises above the barrel roof framing of the building and provides a vertical termination point for the vaulted condition. A northern appendage houses a semi-recessed boiler room and coal bin.



BUILDING 1 | Key

Existing Conditions

Brick

Excellent Good Fair Poor

- Brick is in fair-to-poor condition. Some evidence of deterioration and damage from thermal expansion was observed. Some defacing (graffiti) of the existing brick facade is evident.
- Mortar is in poor condition and has deteriorated and fallen away in locations where thermal expansion or water infiltration has occurred.
- Precast concrete coping at the parapet is stained and worn.
- The brick at the upper portion of the chimney appears to be newer and the height has been extended from the original chimney design.
- Open holes and drilled penetrations in the brick facade were observed.
- Some efflorescence observed at the lower brick wall of the boiler room appendage.

Paint | Sealant

Excellent Good Fair Poor

- Minimal use of sealant and paint observed. Joint sealant between windows and brick has deteriorated. Brick has deteriorated. Glazing putty may contain asbestos fibers.
- Remnants of joint sealant between the overhead door and door jamb remains, however large sections of the wood jamb have rotted away or have been removed.

Windows

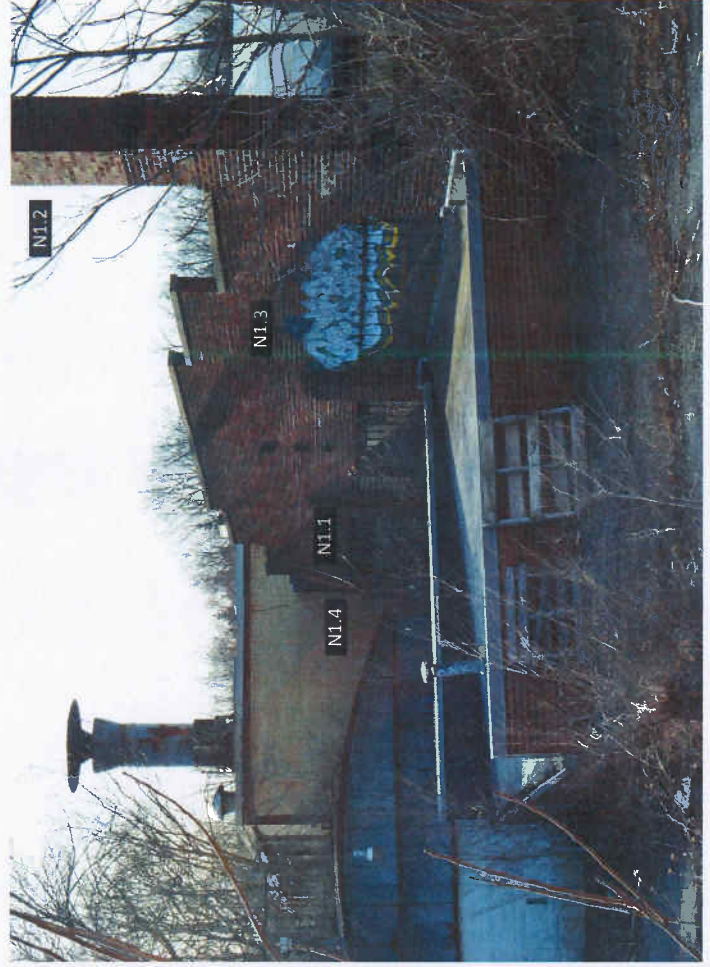
Excellent Good Fair Poor

- Steel window sashes are corroded and in poor condition. No exterior paint remains on the steel. Glazing putty has deteriorated and cracked.
- Spray-on insulation has been applied to the existing steel sash windows, jamb, head and sill; bonding to the steel and glazing. The original fluid applied weather-resistant membrane remains relatively intact with only small sections of the spray on insulation exposed.
- Boiler room windows are situated at grade and have been patched with plywood sheathing and spray-on insulation. The steel window sash is corroded and several of the glass panes are broken. Thermal and moisture damage at the lintel has caused bond separation between the mortar and brick.

Doors

Excellent Good Fair Poor

- Man Door
- A painted plywood door and wood frame provide access to the boiler room. The paint is in poor condition and the wood at the frame and door is exhibiting signs of decay and rot. The hinges and handle are painted but appear to be moderately corroded. Open joints between the brick facade and door frame are open allowing for water & air infiltration. The mortar joint at the lintel has deteriorated and spray-on foam has been used to seal a larger gap at the door head. The door undercut is open and sits 2" +/- above grade.





N1.1 Spray-on insulation has been applied to the existing steel sash windows, jambs, head and sill; bonding to the steel and glazing. The northern exposure, out-building and vegetation have protected the original fluid applied weather-resistant membrane, which remains relatively intact. Small sections of the spray on insulation are cut open and exposed.

An existing louver mounted on plywood sheathing sits within a section of the steel sash window. The louver is moderately corroded and the fluid applied membrane has deteriorated in some locations exposing the plywood to the exterior elements.

The existing brick is in Poor-to-Fair condition. Some stepped cracking was observed at the window head. Unsealed drilled penetrations in the brick facade were observed.



N1.2 It appears that the short chimney of the original structure was later expanded (possibly due to insufficient draft), increasing the overall height of chimney. The added brick appears to be in Fair condition with minimal wear and deterioration of the mortar joint. Aesthetically, the brick is a close match to the existing brick facade.

The existing brick and mortar joints below the expanded chimney are in Fair-to-Poor condition. The mortar has deteriorated moderately and section of the brick have spalled and flaked.



N1.3 The existing brick along the end of the parapet at the approximate location of the vaulted roof line is in poor condition. The mortar has completely deteriorated and sections of brick appear very loose and disconnected from the system. Root cause is likely water infiltration at the flashed joint between the parapet wall and roof.

Some ivy growth was noted along the North facade. The concrete coping at the parapet appears to have deteriorated creating an open joint condition between slabs of coping. This open joint would contribute to water infiltration along the parapet wall.



N1.4 The 1 1/2" wide expansion joint between Building 1 & Building 2 appears to be in fair condition. Set back 8" is a copper waterstop which is grouted in place along the continual length of the opening. Some deterioration of the existing brick at Building 1 was observed, as sections of the corner condition have crumbled and broken.

BUILDING 2 | EXTERIOR ENVELOPE ASSESSMENT

South Elevation

The South elevation is divided into two sections as the facade steps to the north after five (5) column bays. Two man-sized entry doors provide access to a first floor administrative zone while a single overhead door offers access to the high-bay area of Building 2.

Existing Conditions

Brick

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Brick and grouted joints appear to be in Good-to-Fair condition overall.
 - Minor wear and few signs of mortar deterioration and cracking requiring minor repointing.
 - Some areas of minor wear and cracking. Small drilled holes were observed which will require some minor patching and repair.

Paint | Sealant

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Paint on the existing steel columns was in fair-to-poor condition with rust staining on the upper portions of the steel.
 - Caulking joint between brick and steel column is in poor condition. It has dried and cracked away in many areas exposing the inner cavity to the exterior elements.

Windows

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Steel Sash Windows
 - Steel is corroded appears to be moderate-to-light in many areas of the sash, frame and sub-frame. The existing glazing putty is dried and cracked and in some areas has fallen away from the window. Glazing putty may contain asbestos fibers. Exterior paint has flaked away from the exterior and misalignment of the sash in some of the panes was observed. Overall the existing steel windows appear to be in fair-to-poor condition. The glass panes are intact and some of the panes have been cracked.
 - Awning Windows
 - Single-pane, aluminum clad wood awning windows appear to be in fair condition. Some minor paint wear at interior frame.

Doors

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Man Doors
 - Doors are in poor condition. Steel doors appear to be in fair-to-poor condition however door hardware has been removed. Wood jamb and head are showing moderate signs of decay. Paint has deteriorated. Wood threshold in poor condition. Signs of insect infestation in jamb interior.
 - Overhead Door
 - Poor condition with a large open crack in the insulated door. Seal is completely broken at the perimeter and has separated from the adjacent brick wall in some locations. A large gap has provided access for many insects. Some slab deterioration evidenced at threshold. Adjacent bollards are bent and moderately deteriorated.



BUILDING 2 | Key



S2.1

Exterior weather stripping at overhead door has been removed or has broken away from the door jamb. Door perimeter is open to air and insect infiltration.



S2.2

Sealant between steel jamb and brick has completely dried and cracked away in some areas exposing the interior cavity of the wall to air and insect infiltration.

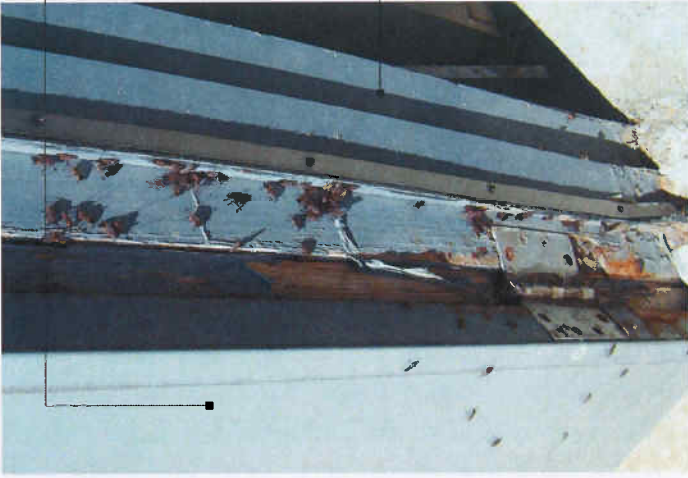


Paint on the existing steel columns has deteriorated in areas and signs of minor to moderate corrosion was observed.

Some deterioration in the concrete slab at the overhead door threshold. Evidence of air infiltration and insect infiltration at large gap between door and steel jamb.

S2.4

Steel entrance door is in fair condition, however painted wood jambs and head are showing signs of severe rot and deterioration. Sections of the wood jamb have been pulled away and cracked and signs of water damage at the slab level were observed. Insect infiltration was observed and it appears that the integrity of the wood jamb has been compromised by insect habitation.



Concrete slab deterioration was noticeable at the door threshold and base of the adjacent side-light window.

Door hardware in Fair-Poor condition showing signs of corrosion and separation from the wood frame.

S2.5

The wood framed side-light window is showing signs of deterioration and rot. The paint has flaked and peeled away and the glazing caulking at the window perimeter has deteriorated leaving the interior open to further air infiltration. Signs of water damage at the slab level and insect infiltration were observed.



S2.3

Steel window sash and lintel above overhead door appears to be moderately corroded. Air and water infiltration at joints between the glass and steel sash were observed where the glazing putty has deteriorated. Exterior paint on the upper steel columns and steel windows has deteriorated and/or been stained with rust.



S2.6

The existing brick veneer and mortar joints appear to be in good-to-fair condition with minor signs of deterioration. The caulked joint between the brick and steel column has cracked and opened along the entire facade. As a result the inner wall cavity has been exposed to both air and water infiltration.



BUILDING 2 | EXTERIOR ENVELOPE ASSESSMENT

East Elevation

The East elevation is the main entry elevation as one approaches from N. Main Street. Access to the high-bay area is provided through a single overhead door and adjacent man-door within a panelized bay. The openings are flanked by brick veneer to the north & south.

Existing Conditions

Brick	Good	Poor
Excellent	Fair	Poor

- Brick and grouted joints appear to be in good condition overall. Some separation of the brick at the NE corner of the facade was observed.
- Minor wear and few signs of mortar deterioration and cracking requiring minor repointing.
- Where the South Elevation jogs, the brick has been broken and poorly patched to accommodate the installation of mechanical and electrical pipes and conduit for the ground mounted A/C unit.

Cement Panels	Good	Poor
Excellent	Fair	Poor

- Painted 'Cemesto' panels appear to be fair condition. Open perimeter joints and signs of deteriorating caulking between the panels has led to water and air infiltration at the interior.
- 'Cemesto' is a waterproof & fire-resistant panel comprised of a sugar cane fiber insulating core surfaced (both sides) with asbestos and cement and would require abatement.

Paint Sealant	Good	Poor
Excellent	Fair	Poor

- Paint on the existing steel columns and 'Cemesto' panels appears to be in fair-to-poor condition with minor rust staining observed.
- Caulking joint between brick and steel column is in poor condition. It has dried and cracked away in many areas exposing the inner cavity to the exterior elements.

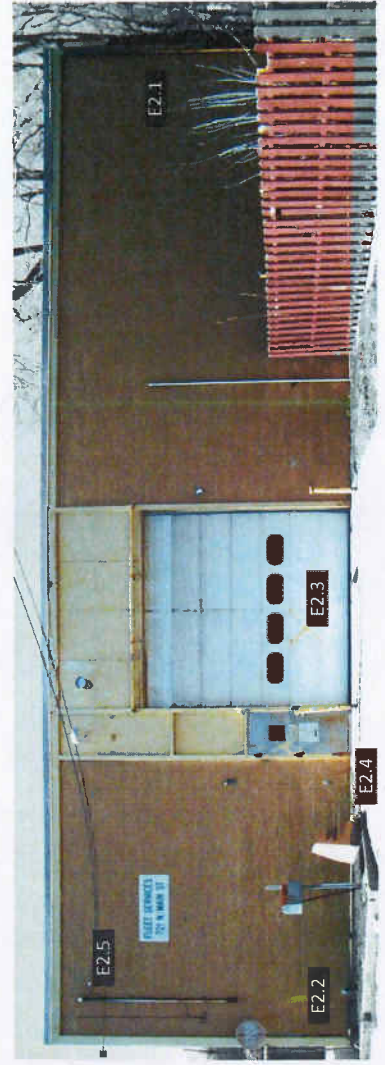
Windows	Good	Poor
Excellent	Fair	Poor
	N/A	

Doors	Good	Poor
Excellent	Fair	Poor

- Man Door
 - Steel door and frame appear to be in Fair-to-Poor condition. Steel door is showing moderate signs of corrosion at base. Hinges are completely corroded. Steel column/frame is displaying signs of moderate corrosion at base condition. Hinges have been relocated leaving holes from the original hinges in the steel column. Interior door window frame with wire glass is heavily corroded.
- Overhead Door
 - Door is damaged and folded in many locations. Poor condition with a large open crack in the insulated door. Weather stripping is broken in many areas and large gaps at the door perimeter has resulted in air and water infiltration. Adjacent bollards are bent and moderately deteriorated.



BUILDING 2 | Key





E2.1 Separation between the brick facade and steel column has occurred at NE corner of the building (see structural assessment for further evaluation). The resulting aperture between the brick and steel structure has caused separation of the joint sealant and exposed the internal cavity wall system to water, insect and air infiltration.

Signs of moderate corrosion along the face and at the base of the steel column was observed. The painted surface of the steel column has deteriorated with only small patches of paint remaining on the exposed structure.



E2.2 The existing brick veneer and mortar joints appear to be in good-to-fair condition with minor signs of deterioration at the base of the steel column above the concrete foundation wall. The joint sealant between the brick and steel column has cracked and opened in many areas. The inner wall cavity has been exposed to both air and water infiltration.



E2.3 Insulated face of the overhead door has been damaged in multiple locations. Weather stripping has broken away in many areas and the perimeter of the door has been breached by air and water infiltration. Adjacent key operator switch has been disconnected and signs of adjacent corrosion and deterioration were observed.



E2.4 Steel door and frame appear to be in Fair-to-Poor condition with moderate signs of corrosion at the base of the frame and the door. Hinges are completely corroded.

Steel column/frame is displaying signs of moderate corrosion at base condition.



E2.5 Image of partial East Elevation at jog in South Elevation wall. Brick and grouted joints appear to be in good condition with some damage where the brick has been patched to accommodate the installation of mechanical/electrical conduits and PVC pipe vents for the ground mounted residential air conditioning units.



S2.6 Enlarged image of the damage done to the brick veneer to accommodate the installation of mechanical/electrical conduits and PVC pipe vents.

BUILDING 2 | EXTERIOR ENVELOPE ASSESSMENT

North Elevation

The North Elevation of building number 2 is divided into 8 bays. Six of the bays have steel sash windows in 15'x19' openings accessing the interior high bay area that spans level one and two. The majority of the glazing is covered with foam insulation panels that are rotted and blackened in color. There are no access doors on this wall. This portion of the property is adjacent to private property with a barbed wire fence making it difficult to access.

Existing Conditions

Brick

Excellent **Good** **Fair** Poor

- Brick and grouted joints appear to be in good condition overall. Some separation of the brick at the NE corner of the facade was observed.
- Minor wear and few signs of mortar deterioration and cracking requiring minor repointing.
- At the North/East corner, the brick panels and block wall underneath have separated from the steel structural columns, leaving a gap 1-3 inches.

Paint | Sealant

Excellent Good **Fair** **Poor**

- Paint on the existing steel columns appears to be in fair-to-poor condition with minor rust staining observed.
- Caulking joint between brick and steel column is in poor condition. It has dried and cracked away in many areas exposing the inner cavity to the exterior elements.

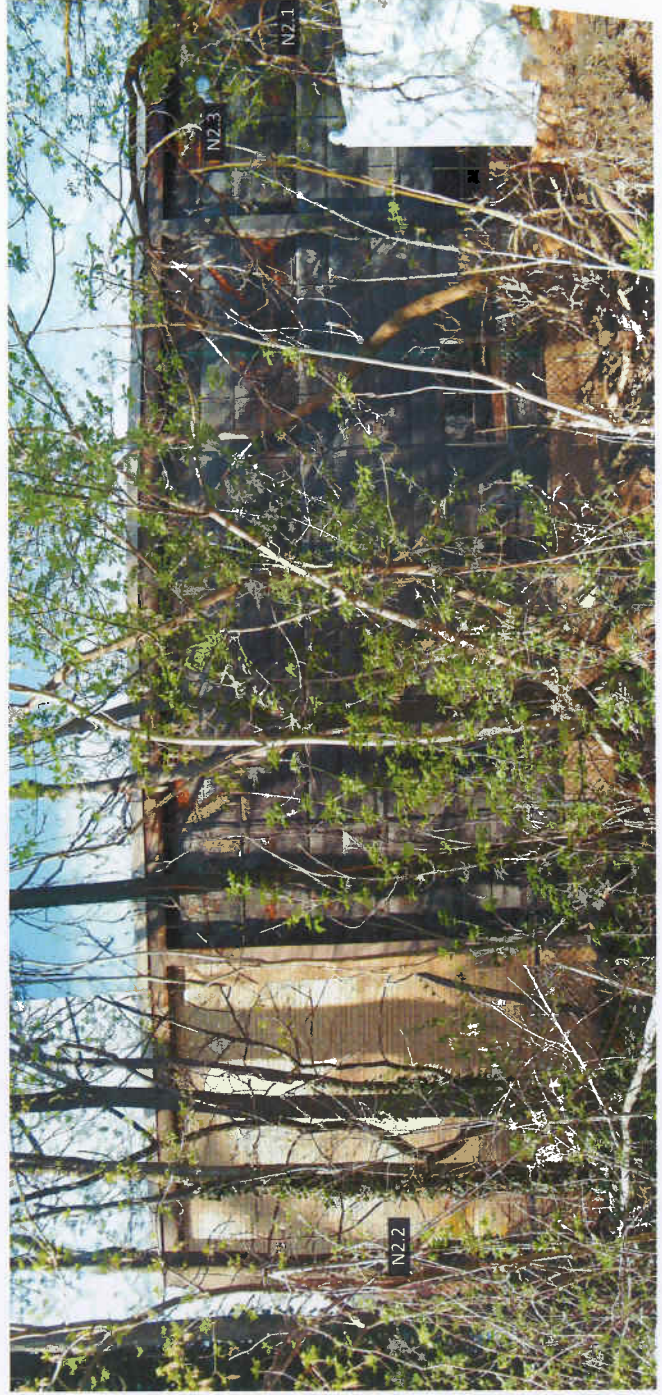
Windows

Excellent Good **Fair** **Poor**

- Steel Sash Windows
 - Steel corrosion appears to be moderate-to-light in many areas of the sash, frame and sub-frame. The existing glazing putty is dried and cracked and in some areas has fallen away from the window. Glazing putty may contain asbestos fibers.
 - sows appear to be in fair-to-poor condition. The glass panes are mostly intact, however some of the panes have been cracked.
 - The glazing is covered with rotted insulation panels that have adhered to the glazing and sash.



BUILDING 2 | Key





N2.1
Glazing is mostly covered with foam insulation panels that are rotted and blackened in color.



N2.2
Steel structural columns are separated from brick paneling.



N2.3
Flashing at roof line is separated.

Steel columns are corroded.

BUILDING 1 | INTERIOR ASSESSMENT

Building 1 Description

Building 1 is a 14,115 sq.ft. structure with a step-down boiler room addition on the north end of the building. Access from the exterior is provided through three (3) man-doors and four (4) overhead doors. The existing floor plan is relatively open and currently being utilized as a staging area for City of Ann Arbor waste & recycling collection containers. A single floor-to-structure demising wall separates the building into two main areas.

Existing Conditions

Floor

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Existing 6" concrete slab is worn with moderate cracking and spalling in areas.
 - Signs of water damage to the slab at overhead door and man door thresholds was observed. Moderate cracking and staining.
 - A linear section of the slab (running North-South) has been cut to provide drainage to an interior catch basin. Sections of the slab edge along the trench have crumbled and deteriorated.
 - A make-shift trench extending from the catch basin to the entry door at the east facade has been cut into the slab. Deterioration of the concrete at the edge conditions was noted.

Walls

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Interior brick wythe is in poor condition and has deteriorated and crumbled in several areas with signs of thermal expansion and water infiltration damage.
 - Paint has flaked away in areas where the brick was originally painted and the mortar has deteriorated in many locations throughout the interior.
 - The volume of stacked waste and recycling containers prevented a thorough examination at the perimeter. Some areas of the brick were soft to the touch and easily crumbled. Paint may have lead content.
 - Diagonal stepped-cracking in the brick wall at the window lintel condition was observed.
 - The interior demising wall remains intact and insulated at the perimeter and penetration openings. Overall the wall appears to be in fair condition.

Windows

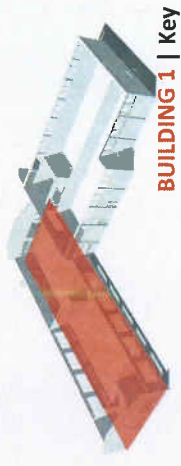
- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Steel Sash Windows on all four exterior walls are single pane and thermally inefficient.
 - Steel window sashes are corroded and in poor condition. Interior paint is worn and the glazing putty has deteriorated and cracked. Glazing putty may contain asbestos fibers.
 - Many panes of glass are broken and/or missing.
 - Sealant at perimeter joints around windows is dried and cracked. Open joints to the exterior were observed and are contributing to current air and water infiltration issues.

Doors

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Overhead Doors
 - The existing interior condition of the four (4) insulated overhead doors ranges from Fair-to-Poor. The perimeter seal around every door is breached or missing. Joints between the jamb conditions and existing brick wall are open and allowing water, air and wildlife infestation.
 - Overhead door suspension system appears to be intact.
 - Man Door
 - Existing doors are in poor and rapidly deteriorating condition. In general, the hardware is corroded and perimeter seal has failed. Undercut openings are missing sweeps or gaskets allowing for water, air and insect infiltration.

Ceiling

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Exposed steel decking is in Fair-to-Poor condition. Paint is flaking or has completely deteriorated in some areas. Sections of the deck have been patched with galvanized sheet metal. Signs of moderate corrosion at the edge condition were observed.



BUILDING 1 | Key



Existing Boiler Room is situated partially below grade. The room contained several inches of standing water which was not draining at the time of observation.

Interior brick wythe is in Fair-to-Poor condition. Deterioration, cracking and spalling at the joint between the roof and wall was observed.

Standing water just inside the entry threshold of the overhead door was observed. The brick adjacent to the door openings is heavily deteriorated and dislocated resulting in exposure to water, air and insect infiltration.

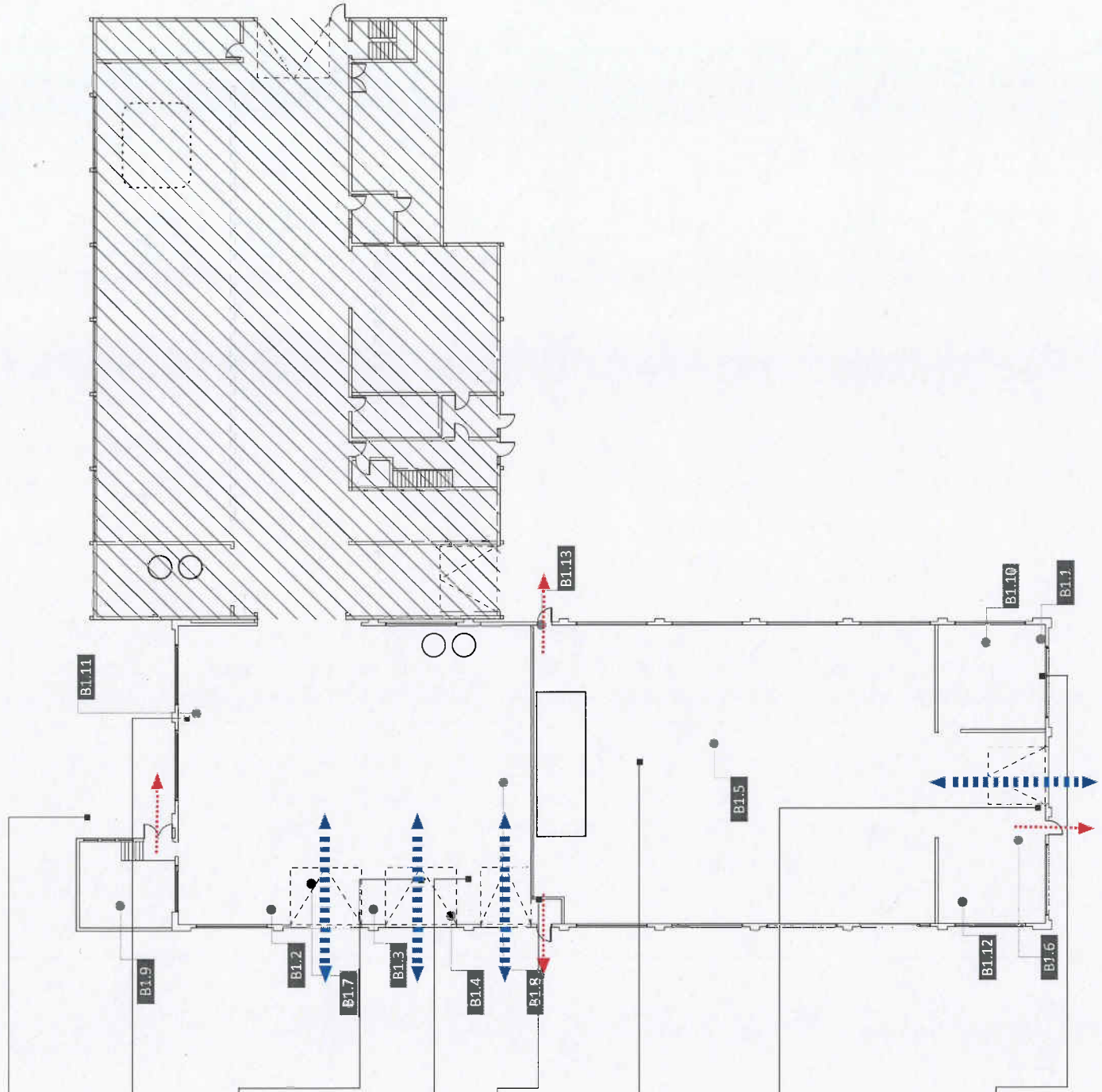
Penetration in the roof has allowed water to infiltrate into the enclosed building.

The brick is heavily deteriorated around the perimeter of the overhead door. Evidence of spalling and mortar decomposition was observed. Columns adjacent to the opening are moderately corroded.

A diverting trench has been cut into the concrete slab, providing a drainage avenue for surface accumulation to an internal catch basin. Sections of the slab edge along the cut have crumbled and deteriorated.

Existing overhead door jamb is heavily deteriorated. An area of deteriorating brick adjacent to the overhead door has been replaced with cast-in-place concrete which has cracked and deteriorated in many areas. Large gaps at the door perimeter are open to the elements exposing the interior to air and water infiltration.

A section of the brick wall below the steel sash window has completely failed and has collapsed inward. The interior and exterior brick wythes have completely separated from the window sill. The concrete window sill has cracked and broken away.





B1.1

A section of the outer brick wall has completely failed at the interior of the 'Break Room' and is buckling inward. There has been an obvious attempt to stabilize the wall with a 2x4 knee wall which has buckled inward as well. Water infiltration at the slab and interior cavity of the double brick wythe wall was evident. Many bricks have come completely loose from the system and are scattered around the area. The concrete window sill has cracked and fallen away and the steel sash window base spans from jamb-to-jamb unsupported. Large openings to the exterior were apparent.



B1.4

The entry door in the East Elevation is in poor condition. Visible signs of deterioration and rot were observed. The perimeter of the door is unsealed and a large gap at the undercut is allowing air and water to infiltrate the building. The adjacent steel jambs are exhibiting signs of moderate corrosion. The concrete slab at the door threshold appears worn and deteriorated. Existing hinges are in poor condition with moderate levels of corrosion.



B1.2

Interior wall condition adjacent to the overhead door is in poor condition. Patched grout and spray foam insulation have been utilized in an attempt to seal the perimeter. Open joints at the jamb and head of the door allow for water and air infiltration.



B1.5

A linear trench has been cut into the existing concrete slab. The edges of the trench have crumbled and deteriorated. In general the slab is worn with moderate cracking and spalling in areas



B1.3

Sections of the original brick adjacent to the overhead door in the South facade have been patched with cast-in-place concrete. The joint between the concrete and brick has opened and the concrete has cracked and deteriorated in many areas. Large gaps at the perimeter of the overhead door have allowed air and water infiltration. Evidence of bird infestation was observed.



B1.6

Paint at the exposed steel deck has completely deteriorated in some areas. Signs of moderate corrosion at the edge condition adjacent to the North and South parapet walls were observed.



BI.7

The steel deck and paint in some areas remains intact and in fair condition. Minor signs of paint deterioration and corrosion were observed in some areas. Similarly, the paint finish on the existing steel structure appears intact with minor signs of deterioration.



BI.10

A painted wood framed plywood partition in the SE corner of the building served as an employee Break Room. Garbage, refuse and miscellaneous pieces of furniture litter the area. the plywood partition appears to be in fair condition.



BI.8

The steel deck and paint in some areas remains intact and in fair condition. Minor signs of paint deterioration and corrosion were observed in some areas. Similarly, the paint finish on the existing steel structure appears intact with minor signs of deterioration.



BI.11

The steel windows appear to be heavily corroded in the sash, frame and sub-frame. The glazing putty has completely deteriorated or is dried and cracked. Interior paint has flaked away and some panes have been painted. Overall the existing steel windows appear to be in poor condition. Many of the glass panes are cracked. The exterior spray-on insulation prevents visibility or light penetration to the interior.



BI.9

The existing Boiler Room is situated partially below grade and was flooded with water at the time of observation. The concrete slab is approximately 4'-6" below grade. Access to an adjacent Coal Bin storage is provided by a single man-door in the western wall which could not be accessed.

Two existing steel sash windows are situated in the east wall of the boiler room. Sections of the steel sash have been removed and covered with untreated plywood sheathing and spray-on insulation. The steel window sash is corroded and several of the glass panes are broken.

A painted plywood door and wood frame provide access to the exterior from the boiler room landing. The frame and door are exhibiting signs of decay and rot. Open joints between the brick facade and door frame are open allowing for water & air infiltration.



BI.12

Asphalt storage area. Steel columns have been installed and sheathed in the SW corner of the building to create an area for asphalt storage. Remnants of asphalt remain on the surrounding structure and slab.



BI.13

An operable interior steel door connects the north and south sections of Building 1 through the interior demising wall. The door is in fair condition.

The untreated exterior plywood door is in poor condition with noticeable signs of decay. The interior hardware is severely corroded. The steel jamb is moderately corroded and in poor condition.

BUILDING 2 | INTERIOR ASSESSMENT | 1st Floor HIGH BAY AREA

Building 2 | 1st Floor Description

The first floor of Building 2 is 10,168 sq. ft. and served as a former municipal garage built in 1957. The primary use of the main level was for vehicle repair and maintenance. The highbay area is supported on the first floor by a wash area, paint room, stock room and administrative offices. A second floor mezzanine is accessed by two separate stairways at the SE and SW corners of the building.



Existing Conditions

Floor

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- The existing 5 inch thick concrete slab is slightly worn with some areas of minor deterioration.
 - The slab is penetrated by trench drains and vehicle lift equipment. The trench drains appear to be blocked with collected dirt and refuse. The trench drain cover is moderately corroded and in poor condition.
 - Areas of standing water at the slab were observed in the Paint Room. Sections of the slab were discolored and have been stained a yellow. A thorough inspection of the entire slab condition could not be made due to the amount of office furniture currently being stored in this area of the building.

Walls

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Concrete Masonry Unit (Exterior Walls)
 - The interior masonry of the exterior wall system is in fair condition with signs of minor deterioration at the window unit locations. Based on the building's construction documents, the exterior wall is an 8 inch masonry wall with 4" concrete masonry unit on the interior and a 4" brick on the exterior. The details do not indicate the presence of an airspace or insulation in the exterior wall assembly. Continuous wall flashing over the concrete foundation grade beam is indicated at the base of the wall assembly. The painted finish on the exterior wall is in fair condition and has faded and worn with age.
 - Concrete Masonry Unit (Interior Walls)
 - The interior partitions are constructed 8" masonry units and are in fair condition. The painted finish has worn with age but appears to be intact.
 - Gypsum Board with wood framing (Interior Walls)
 - The interior gypsum board partition assembly is in fair-to-poor condition. Minor deterioration of the wall was observed at the base. The painted finish is in fair condition with noticeable

Windows

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Aluminum Projected Sash Windows
 - The operable aluminum sash windows in the North elevation of the first floor are moderately corroded and in poor condition. The existing glazing putty at the single pane glass is dried or completely absent. Glazing putty may contain asbestos fibers. Spray-on insulation has been applied to exterior of the window and is limiting the amount of natural light penetrating the floor plate.

Doors

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Man Doors
 - Steel doors in South and East elevations are generally in poor condition. Perimeter sealant has deteriorated and insect infestation was observed in the wood jamb of the entry door in the South elevation.
 - Overhead Door
 - In East elevation is in poor condition. Large sections of the joint between the jamb and brick wall are open and allowing water and air infiltration. The rail and suspension system appears to be corroded but intact.

Ceiling

- | | | | |
|-----------|------|------|------|
| Excellent | Good | Fair | Poor |
|-----------|------|------|------|
- Exposed 2 inch Tectum deck is in Fair-to-Poor condition. Large sections of water stained Tectum and areas of water infiltration were observed.
 - The existing steel joist and truss structure has not been previously painted.



BUILDING 2 | INTERIOR ASSESSMENT | 2nd Floor MEZZANINE

Building 2 | Mezzanine Description

The 2,968 sq.ft. mezzanine is a former administrative office and support space. A single male toilet room serves the entire building. The City of Ann Arbor has modified the upper floor plan from the original drawings, partitioning the larger open office area and creating a corridor and smaller private offices.



Existing Conditions

Floor

- Excellent Good Fair **Poor**
- Concrete Slab
- The existing 4 1/2 inch thick concrete slab on corrugated steel deck is slightly worn with areas of minor deterioration and cracking.
- Resilient Tile
- The existing tile is in poor condition and has deteriorated with age. Water damage to the floor tile in the mezzanine was observed as well. Asbestos was a very popular ingredient in floor tiles and mastic between 1920 and 1960. Further lab test using polarized light microscopy to identify the presence of asbestos in air or dust samples is recommended.
- Carpet
- The existing carpet is in extremely poor condition. The carpet has been heavily damaged and stained by water infiltration.

Walls

- Excellent Good Fair **Poor**
- Concrete Masonry Unit (Exterior Walls)
- The interior masonry of the exterior wall system is in fair condition. Based on the building's construction documents, the exterior wall is an 8 inch masonry wall consisting of 4" concrete masonry unit on the interior and a 4" brick on the exterior. The details do not indicate the presence of an airspace or insulation in the exterior wall assembly. Thru-wall flashing is also indicated over the steel beams at the mezzanine structure. The painted finish on the interior surface of the exterior wall is in fair condition.
- Concrete Masonry Unit (Interior Walls)
- The interior partitions are constructed 8" masonry units and are in fair condition. The painted finish has worn with age but appears to be intact.
- Gypsum Board/Wood Panel finish with wood framing (Interior Walls)
- The interior gypsum board partition assembly is in fair-to-poor condition. Minor deterioration of the wall was observed at the base. The painted finish is in fair condition with noticeable wear.

Windows

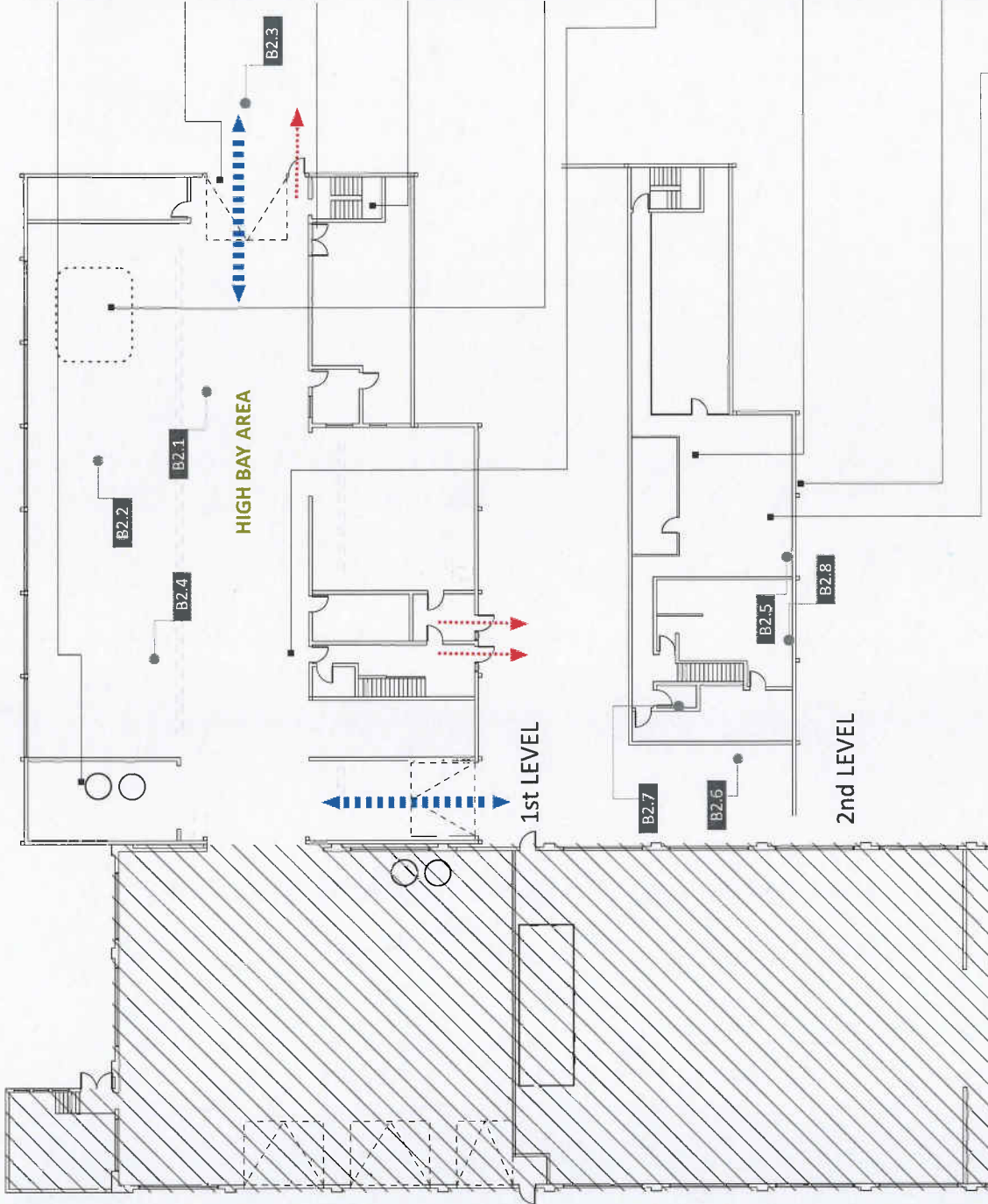
- Excellent Good Fair **Poor**
- Aluminum Projected Sash Windows
- The sash, frame and sub-frame of the steel windows in the south wall appear to be moderately corroded. The existing glazing putty is dried and cracked and in some areas has fallen away from the window. Glazing putty may contain asbestos fibers. Interior paint has flaked away from the exterior and some misalignment of the sash was observed. Overall the existing steel windows appear to be in poor condition. The glass panes are intact and some of the panes have been broken.
- Awning Windows
- Three sections of the original steel sash windows in the SE portion of the mezzanine has been removed and replaced with face brick and punched single-pane, aluminum clad wood awning window. The punched windows appear to be in fair condition. Some minor paint wear at interior frame was observed.

Doors

- Excellent Good Fair **Poor**
- Interior doors are generally in poor condition. Lack of maintenance and age have contributed to the general deterioration of the door hardware

Ceiling

- Excellent Good Fair **Poor**
- Lay-in Ceiling Tile
- 2x4 lay-in ceiling is in poor repair. Water damage and staining were observed. Many tiles have decayed and crumbled under the weight of infiltrating water. The ceiling grid is slightly corroded in areas but remains intact.
- Roof Decking/Ceiling Tile
- Tectum roof deck is in Poor condition. Sections of water stained Tectum and areas of water infiltration were observed.
- The existing steel joist structure has not been painted.



Dirty ponding water was observed in the location of the original Paint Room. Sections of the concrete slab in the room are discolored and stained yellow.

Painted cement panels installed at interior above overhead door and adjacent man door. Original drawings identify the material as 'Cemesto', a waterproof & fire-resistant panel comprised of a sugar cane fiber insulating core surfaced (both sides) with asbestos and cement.

Existing steel pan stairway with concrete treads in good condition. Existing guard and hand rail at the stair and landing does not meet current code requirements.

Steel grating mezzanine provides access to concrete roof of the chemical storage room and a roof access hatch. Mezzanine and painted finish appear to be in good condition.

Sections of the exposed Tectum roof deck are stained with evidence of water infiltration and point to larger issues with the existing roof membrane.

Extensive use of resilient floor tile in the upper mezzanine administrative area is in poor condition. Asbestos was a very popular ingredient in floor tiles and mastic between 1920 and 1960.

The steel sash windows are moderately corroded and the glazing putty is dried and cracked. Some sections of glass are cracked.

Existing 2x4 lay-in ceiling tile is in poor condition and heavily damaged in some areas due to water infiltration through the Tectum roof deck above.

PHASE 1 ESA

A phase 1 Environmental Site Assessment performed by JIR | SmithGroup on October 18th, 2012 identifies the following potential or existing environmental contamination liabilities in Building 1;

“Two waste oil ASTs and two hydraulic oil ASTs were located in the central section of the maintenance garage. A stain on the ground was observed and kitty litter was placed on top of the stain. These two areas require further inquiry to determine if they are a REC.”

Evidence of a hoist system was identified in two locations within the maintenance garage. Hoist systems that include underground piping to convey hydraulic oil typically maintain a reservoir of hydraulic oil below grade in a UST. Because overhead piping for the hoist was not identified, these two areas require further inquiry to determine if USTs are located beneath the building and meet the definition of an REC.”



B2.1

A raised steel mezzanine provides access to the concrete roof deck of the Chemical Storage/ Tire Storage where the roof access hatch is located. The steel structure of the mezzanine appears to be in good condition. The painted finish is worn and deteriorating slightly with age.



B2.2

The existing concrete slab has worn and cracked in some areas but is generally in fair condition. Three derelict vehicle bays with lifts with jack hole shaft below finish floor plate are set in the northern portion of the floor plate. Access to a hydraulic oil underground storage tank was observed. The equipment is moderately corroded. A crane hoist and associated structure is positioned east of the vehicle bays.



B2.3

The overhead door and adjacent man-door in the East elevation are in poor condition with perimeter seals breached allowing water and air infiltration. Panels above the doors are identified on the original drawings as "Cemesto", an asbestos-based cement board. The door hardware and suspension system for the overhead door appears to be moderately corroded.



B2.4

The vehicle Paint Room is partitioned from the main high bay area with a painted concrete masonry unit wall in fair condition. Standing water. An above ground storage tank is positioned within the space. Ponding water and damaged Tectum roof deck was observed in this location. The concrete slab is discolored and stained.



B2.5

The sash, frame and sub-frame of the steel windows in the south wall of the mezzanine level are heavily corroded and deteriorating. The existing glazing putty is dried and cracked. The single pane glass is broken in some areas and lacks thermal efficiency.



B2.6

The interior painted concrete masonry units appear to be in fair to good condition. The wall base has deteriorated in many areas and is in poor condition. The plumbing fixtures appear to be in fair condition. The water is currently turned off in the building so functionality of the fixtures could not be determined.



B2.7

Exposed Tectum roof deck is in poor condition as sections of stained and decaying roof deck were identified at areas of water infiltration on the mezzanine level. The roof joist structure appears to be moderately corroded in areas where water has entered the building.



B2.8

The existing lay-in ceiling is in poor repair. Water damage and staining were observed throughout the mezzanine level. Furniture and refuse litter the space. Many ceiling tiles have decayed and crumbled under the weight of infiltrating water. The floor finishes in the mezzanine are generally in poor condition and beyond repair. Resilient tile has been water damaged and is deteriorating.

BUILDING 1 - BUILDING 2 | ROOF ASSESSMENT

Description

Building 1

The original documents identify the original roofing material as a Built-Up 4-Ply 20 Year Bonded Roof system over steel deck running perpendicular to the channel purlin and barrel vaulted structure below. The original BUR has been removed and a newer single ply membrane roof has been installed over the original structure. The composition of the materials between the membrane and steel deck could not be determined. Drainage occurs along the East and West elevations in the form of roof gutters and downspouts which connect directly into the storm water system.

Building 2

The original documents identify the original roof material as a Built-Up Roof (BUR) system on a 2" pre-cast deck. It would appear that at some point after 1975 the existing BUR was removed and replaced with a Modified Bitumen (MB) roof; an asphalt-based cousin of the Built-up-Roof and ideally suited for low-slope or "flat" roof structures. The MB roof increased resistance to brittleness at cold temperatures, provided greater flow resistance at high temperatures, and increased elasticity. The surfacing appears to be a factory applied mineral surface coating. The roof perimeter is flashed with metal coping. The supporting roof deck appears to be a 2" Tectum T&G panel installed perpendicular to the roof structure. It does not appear that the roof is insulated.



Existing Conditions | Building 1

Roof

Excellent Good Fair Poor

- Portions of the existing single ply membrane appear to be in fair condition.
- Sections of membrane adjacent to the eave and fascia condition remain unsecured to the roof sheathing and are lapped into the gutter.
- Open joints at the intersection of the roof membrane and parapet wall were observed. Access to the roof and further inspection of the joint along the length of parapet wall at the North and South end of the building is required.
- The membrane roof and flashing at the boiler room building appendage on the north elevation appears to be in Good-to-Fair condition.
- The existing gutter is disconnected from hangers at many locations along the existing fascia. The gutter is sagging and deteriorated in locations where water cannot drain.

Existing Conditions | Building 2

Roof

Excellent Good Fair Poor

- The existing Modified Bitumen roof appears worn and moderately deteriorated. Sections of base flashing at the roof curbs are deteriorated and require replacement.
- Sections of the roof appear to have been stained by the presence of standing water.
- Vegetative debris from adjacent trees has collected on the North end of the building.
- Areas of perimeter cap flashing have distorted and bent allowing for water and air infiltration.





R2.1

View looking west of the existing Modified Bitumen (MB) roof. The mineral surface coating appears worn and some staining is noticeable. Flashing at the roof curbs is moderately deteriorated. From the interior it is apparent that the Tectum roof deck has sustained moderate to heavy damage from water infiltration. This potential structural instability prevented a thorough examination of the condition of all roof penetrations.



R1.1
View looking South of the Single-Ply membrane roof system installed over the Boiler Roof appendage on the North side of the building. The membrane appears to be in Good-to-Fair condition.

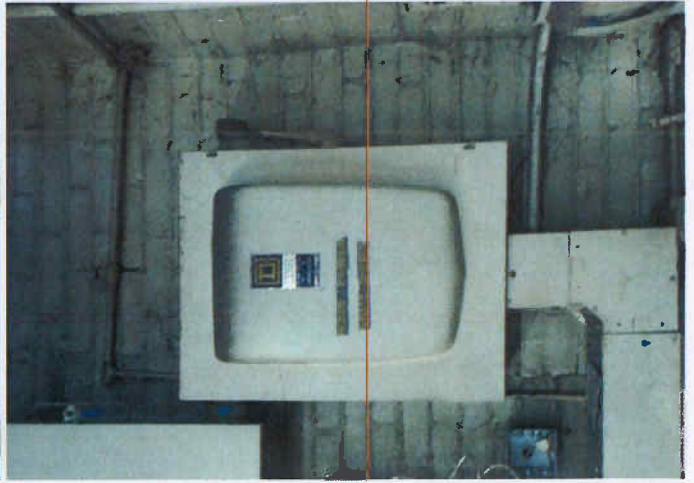
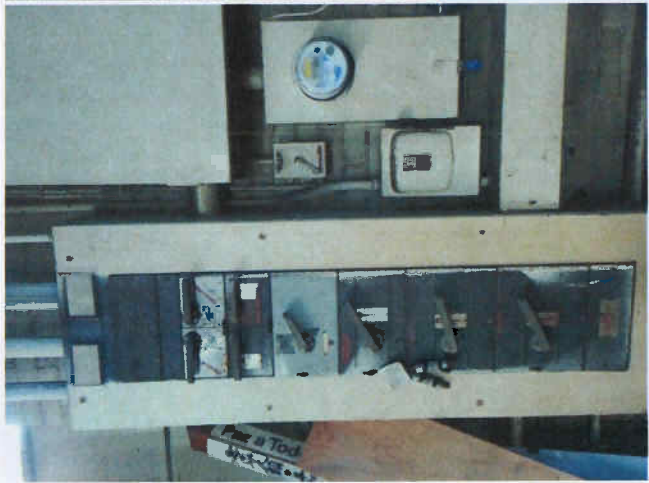


R1.2
Flashed membrane connection at the North and South parapet walls appears to have been compromised. Joints in the envelope have allowed air and water infiltration as evidenced by the condition of the existing parapet brick wythe walls. The existing gutter has disconnected from the fascia in areas along the East and West elevations.



R1.3

Viewed from a distance, the overall condition of the existing single ply membrane appears to be fair. However, loose sections of membrane at the East and West eaves appear to be unsecured and are lapped into the gutter. Lack of roof access prevented a thorough examination of the condition of all roof penetrations.

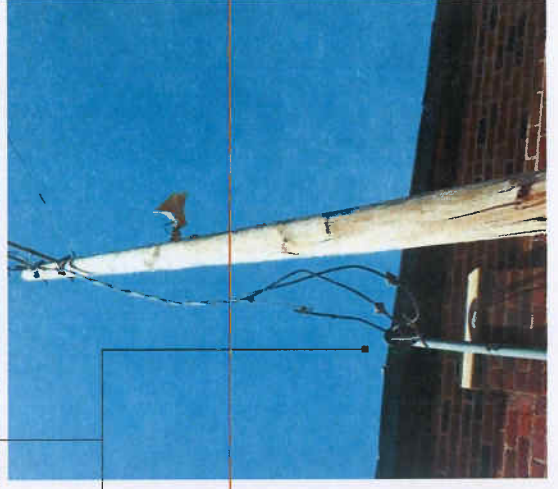


Power
The main electrical service for Building 1 and Building 2 is located in the northwest corner of Building 1. The existing service is rated 400 amperes at 120/240 Volt, 3-Phase, 4-Wire and is served by an overhead drop from a utility pole on the north side of the building. The main disconnect switch is a 400 ampere fusible type, manufactured by Square D. The service is secondary metered through an indoor current transformer cabinet with DTE Energy kilowatt-hour meter. The main distribution panelboard is a Vacuum break Fuse Center rated 400 amperes at 120/240 Volt, 3-Phase, 4-Wire, and is manufactured by Bull Dog Electric. There are no visible dates on any of the equipment nameplates; however the equipment appears to be 40-50 years old and past its useful life.

Building 1 is also provided with a second electrical service drop on the south side of the building. This service may be a temporary service drop, but could not be determined due to rubbish inside the building. This overhead service drop is rated 200 amperes at 120/240 Volt, 1-Phase, 3-Wire, is served from a utility pole on the south side of the building, and terminates in a 200 ampere fusible disconnect switch mounted on the building exterior. This service is secondary metered through a DTE Energy kilowatt-hour meter mounted on the building exterior.



BUILDING 1 | Key



Interior Lighting

Lighting in Building 1 is panel switched at small single-phase load centers located throughout the space. The space is illuminated by a combination of open strip fluorescent lighting fixtures and low-bay type enclosed HID luminaires. In the east half of Building 1, most of the open strip fluorescent lights have been upgraded from T12 to T8 lamps, however the fixtures are very old and dirty. The enclosed HID luminaires are not energy-efficient and are past their useful life. In the west half of Building 1, there are a few T12 open strip fluorescent lighting fixtures to supplement the main lighting system which consists of low-bay type enclosed HID luminaires. There are also some open-type HID luminaires that appear older than the enclosed fixtures, and did not appear to have been in use for several years. The HID luminaires are not energy-efficient and are past their useful life. There was no emergency lighting units provided in Building 1, and very few exit signs resulting in a path of egress that is not properly identified or illuminated.



Telephone Service

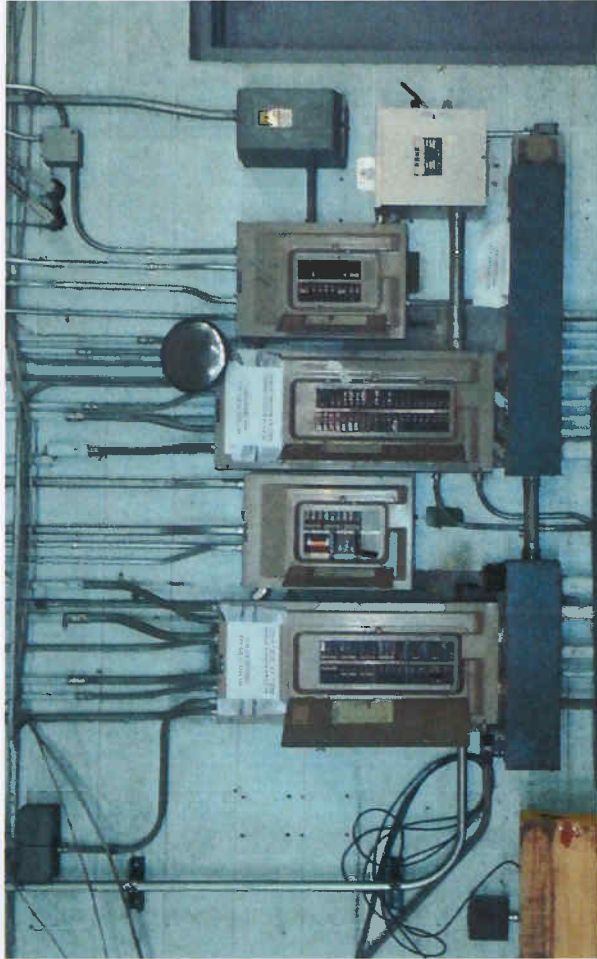
There is a plywood telephone backboard located near the entry door to Building 1 with an old telephone demarcation enclosure. It is not known whether there are any active phone lines within the enclosure.



BUILDING 2 | Key

Power

The main electrical service for Building 2 is located in the northwest corner of Building 1, and is described in the Building 1 section of this report. There is a group of single-phase and three-phase panelboards located in the garage area of Building 2 that serves the local lighting and receptacle circuits. The panels are Cutler-Hammer load centers, and some of the breakers are missing leaving the panelboard interiors open to the environment. There is no visible date on the panelboard nameplates, however the equipment appears to be approximately 20 years old, and nearing the end of their useful life.



Interior Lighting

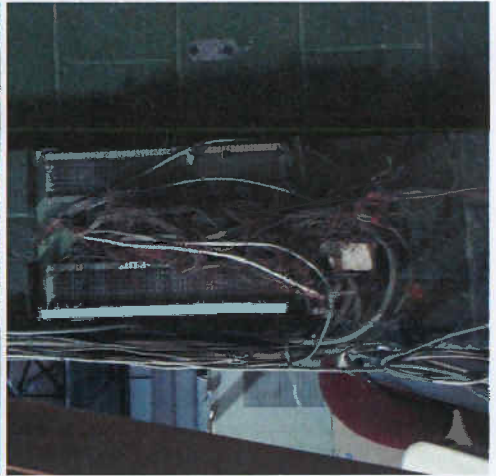
Lighting in Building 2 is panel switched at single-phase load centers located throughout the space. The space is illuminated by a combination of open strip fluorescent lighting fixtures and low-bay type enclosed HID luminaires. Most of the open strip fluorescent lights have been upgraded from T12 to T8 lamps, however the fixtures are very old and dirty. The enclosed HID luminaires are not energy-efficient and are past their useful life. There was no emergency lighting units provided in Building 2, resulting in a path of egress that is not properly illuminated. There are LED type exit signs to identify the path of egress.



There is an existing paint booth in Building 2 that has not been in use for some time. There are existing fluorescent explosion proof lighting fixtures with T12 lamps in this area that are not in use, and have since been replaced with open strip fluorescent fixtures with T8 lamps.

Telephone Service

There is an existing overhead telephone service drop along the south elevation of Building 2. Below the service drop there is also a 2 inch conduit that is stubbed up from underground and then penetrates into the building. It appears this conduit may have been used for incoming phone or cable lines as well.



There are some punch-down blocks with old telephone wiring located throughout the building. The wiring and terminations are in poor condition and need to be replaced.



Exterior Lighting & Branch Circuit Power

The site area lighting is provided primarily by DTE Energy street lighting type lighting fixtures, mounted to utility poles and to the building exterior. The site lighting appears sufficient to illuminate the parking and driveway areas of the site.

There are a few building mounted wall pack HID lighting fixtures located at exterior overhead doors. The fixture lenses are badly yellowed. The fixtures are damaged and likely not working.



BUILDING 1 | Key

Plumbing

Sanitary

There is an existing trench drain that runs down the center of the building which is deteriorating badly in some locations and is full of dirt and debris, the catch basin at the south end of the drain was also full of dirt. The sanitary system appears to be in poor condition and should be cleaned out and videoed to determine the actual condition and location of the underground lines.



HVAC

It appears that the building was originally heated by a gas fired steam boiler that was removed some time ago. Some of the original steam and condensate piping still remains.

A gas fired, roof mounted make-up air unit was added to the building, and served the southern portion of the building, the unit appears to be in very poor condition and has not functioned in years.

The southern portion of the building also had a floor mounted waste oil heater. This unit also appears to be in poor condition, the casing is badly rusted and the unit does not appear to have been used for a long time.

Domestic Water

It appears there was a domestic water meter along the east side of the building near the south end. The meter has been removed and the piping has been left abandoned, the municipal water service from the street is a 1-1/2". It appears that the entire domestic water system will need to be replaced, the piping is galvanized and been abandoned for quite some time. The original drawings for building 2 indicate there was a 2" domestic water service in the boiler room at the north end of the building but this could not be verified because the boiler room was flooded and non-accessible. There were no plumbing fixtures located in Building 1.



Miscellaneous

The northern portion of the building was used for vehicle service, there is compressed air and oil piping running throughout the space and hose reels mounted above. Waste oil and hydraulic oil tanks still remain, these tanks appear to be single wall tanks.



There are underground fuel storage tanks located just east of the building, and a fuel dispensing island south of the building. From our visual inspection we were not able to determine the type of tanks installed, there was also a Veeder Root monitoring and control system with the main panel located in Building 2. The fuel dispensing pumps have also been removed from the dispensing island.





Plumbing

Sanitary

Based on the original building drawings there are two different sanitary systems inside the building. One of the systems connects all the floor drains on the lower level and runs through a oil interceptor at the east end of the building, the plans indicate there is an underground storage tank for this interceptor just outside the east wall. The other sanitary system picks up all the plumbing fixtures in the building, these two systems connect together outside the east end of the building. The sanitary piping should be cleaned and videoed to determine the actual condition.



Domestic Water

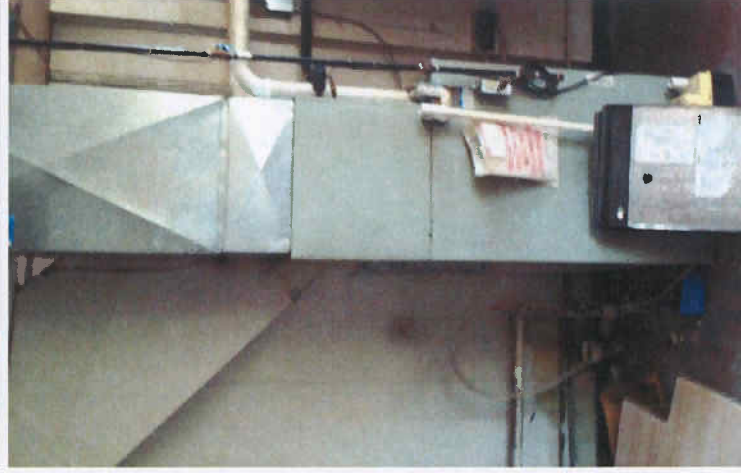
Domestic water was originally fed from a meter located in the old boiler room in Building 1, the piping has been abandoned and should be replaced if the building is to be reused. The fixtures are old and could possibly be reused if the flush valves were rebuilt or replaced however they should be replaced with new low flow fixtures.



HVAC

The high bay shop area was originally heated by steam unit heaters that were fed from the boiler located in Building 1, the unit heaters and piping still remain. The piping has been abandoned for such a long time it is most likely full of scale and not reusable, steam system are also typically not used anymore.

The two story Office area was last served by two high efficiency gas furnaces with remote air cooled condensers, there is one system for the lower level and one for the upper. The units appear to be in fair to poor condition and have not been used recently, because of limited ceiling heights the ductwork is exposed and both units have single point returns at the units. Finned tube radiators also remain throughout the office area from the old steam system.





Miscellaneous

Similar to Building 1 there are compressed air and oil lines running through portions of the high bay service area in Building 2.

There are remnants of an old paint spray booth with exhaust ducts that run up through the roof, this is of no possible use and will need to be removed.



BUILDING 1 - BUILDING 2 | STRUCTURAL ASSESSMENT

Description

Building 1

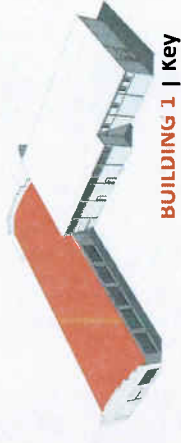
The original documents identify the existing structural components.

- Foundation (at column bearing) 24" Concrete Wall on 48"W x 12"D Footing at 6'-0" Below Grade
- Slab 6" Concrete Slab reinforced w/ 6"x6" WWM No.6
- Columns 6" Wide Flange Column | Knee-Braced (20'-0" column bays - set flush with 8" brick wall)
- Lintels 6" Steel Channel with L 4"x3"x1/4"
- Roof Structure Steel Bowstring Truss (63'-6" clear span) with 9" Channel Purlin
- Roof Deck Steel Deck

Building 2

The original documents identify the existing structural components.

- Foundation (at column bearing) 9 1/8" Wide Grade Beam spanning between 15" x 13" Concrete Piers at column locations
- Columns 6" x 6" @ 19.55# Square Tube Steel at building perimeter (Typical Bay 15'-9")
- Lintels 5"x1/4" Plate & 6"x3/16" Plate continuous weld to 8"C 11.5 Channel.
- Roof Structure Truss T-1 (Built-Up Steel Angle Truss) w/ Steel Joists (SJ 124)
- Roof Deck 2" Precast Roof Deck (Tectum)



BUILDING 1 | Key



BUILDING 2 | Key

Existing Conditions | Building 1

Overall Structure

Excellent Good Fair Poor

Intermediate Steel Columns at Exterior Brick Walls

Fair

Brick and mortar is generally in sound condition. Steel Columns and base plates exhibiting signs of moderate corrosion at the base. Additional investigation behind existing brick wall recommended to assess overall condition. Many areas inaccessible.

Exterior End Wall Parapets

Poor

South parapet has deflected significantly and must be replaced. North Parapet shows some deflection.

Window and Door Lintels

Fair

Significant rusting of window and door lintels is present. Replacement of lintels will be needed at some point in the future, though not immediately.

Roof Framing

Fair

Roof framing condition varies, with repair needed in some areas.

Existing Conditions | Building 2

Overall Structure

Excellent Good Fair Poor

Steel Frame

Good

Steel structural frame is generally in good condition, without damage or modification. The east end wall has shifted somewhat on its foundation perhaps due to previous construction. Some immediate repair is appropriate.

CMU | Brick Wall Infill

Good

Masonry infill and brick is generally in good condition, without damage or modification.

East Mezzanine

Good

The mezzanine is an addition and well built, though sits construction may have contributed to shifting of the adjacent steel frame.

Roof Framing

Fair

Roof framing condition varies, with repair needed in some areas.

BUILDING 1 - BUILDING 2 | HAZARDOUS MATERIALS

Description

Older structures typically contain some form of hazardous materials which require attention and handling during renovation or demolition. Identified below are potential material concerns which may require further investigation at the 721 N. Main Street Site.

The 2012 **Phase 1 ESA** (Environmental Site Assessment) performed by SmithGroupJJR and Tetra Tech identified a number of REC's (Recognized Environmental Condition) within the interior of the 721 N. Main Street site, including:

1. Soil beneath concrete in maintenance building where hydraulic oil underground storage tank (UST) leaked and the associated trench was filled in with concrete.
2. Soil surrounding the sumps located in the wash bay area

In addition, the following items which are not RECs but may warrant further consideration were identified in the completion of the Phase I ESA:

3. Allen Creek Drain, a listed Part 201 site, located beneath the subject property;
4. Unlabeled but potential asbestos containing tiles within the maintenance building;
5. Labeled 'asbestos containing' wrapped pipes observed within the maintenance building;
6. Soil beneath concrete in southern end of maintenance building where asphalt was stored;
7. Stained concrete within the maintenance building near the motor oil tanks;
8. Stained concrete within the maintenance building near the spent antifreeze, hydraulic oil, and waste oil tanks;
9. Hoist system, including underground piping and an associated reservoir of hydraulic oil within the maintenance building.

In addition to the items identified in the Phase I ESA it should be noted that the 721 N. Main St. building was built during an era when Asbestos, Lead Based Paint (LBP), Polychlorinated Biphenyls (PCBs), and Mercury were commonly used in building components and equipment. The products listed below are a sampling of building materials which may warrant further on-site investigation. These products may or may not be present at the 721 N. Main site, but if found can be potentially dangerous or harmful to human health or the environment and require abatement and remediation.

Asbestos - The following list of products within the 721 N. Main building which may warrant further investigation includes but is not limited too; Cement Wallboard; HVAC Duct Insulation; Boiler Insulation; Vinyl Floor Tile; Flooring Backing; Pipe Insulation (corrugated air-cell, block, etc.); Construction Mastics (floor tile, carpet, ceiling tile, etc.); Heating and Electrical Ducts; Acoustical Plaster; Electric Wiring Insulation; Ceiling Tiles and Lay-in Panels; Roofing Felt; Base Flashing; Taping Compounds (thermal); Caulking/ Putties and Joint Compounds.

Lead (LBP) - The primary source of lead in buildings is from paint. Lead may also be present in industrial coatings that are used for corrosion control, such as paint used on metal surfaces. Sources of potential lead exposure include; contaminated dust, soil adjacent to buildings, deteriorated paint, lead pipes, and lead roof flashings used to protect roof penetrations.

Polychlorinated Biphenyls (PCB) - A very stable chemical which has been used as dielectric fluid in various types of electrical equipment and heat transfer systems including transformers, fluorescent light ballasts, and capacitors as well as some paints.

Mercury - Fluorescent Lamps (Mercury filled 4' & 8' Utube, circline, and compact fluorescent lamps are the most common types of fluorescent bulbs encountered), High Intensity Discharge Lamps (mercury lights, street lights, security lights); Mercury-Containing Tilt Switches (e.g., freezer lamps, boiler control switches, some 'soft' light switches); Mercury-Containing Thermostats and Silent Wall Switches (mercury was used as an electrically conductive switching mechanism).

BUILDING 1 - BUILDING 2 | BARRIER FREE ACCESSIBILITY

Summary of Barriers and Solutions:

Building 1 is a one story structure with no vertical circulation. There are three man sized door openings. Each of the two operable door openings have accessibility barriers which can be remediated with repair of thresholds and upgrading doors and hardware.

Building 2 is a two story structure. There is no elevator, which creates inaccessibility to the upper floor. Each of these doors has barrier issues such as threshold obstructions, improper hardware, and improper clearances. Building entry can be remedied with repairs to the threshold and upgrades to doors and hardware. The vertical circulation can be remedied with the installation of an elevator. Additionally the upstairs offices, hallways, and bathroom have accessibility issues that do not comply with ADA requirements for clearance. The downstairs lavatory does not have proper ADA clearances.



BUILDING 2 | Key



Accessible Approach/Entrance:

Building 1:

There are two operable man sized doors in this portion of the building. They are located on the east and west sides of the structure. The approaches are both at grade level and do not require stairs or ramps. The routes both have proper horizontal clearances for passage. Both of these entries have cracked and crumbling slab at the thresholds which would cause accessibility issues for wheelchair access and for people with visual disabilities. Repairing, filling, and patching the concrete is recommended. Both of the doors have improper hardware and issues with the doors being difficult to push open from a seated position.

Building 2:

There are three operable man sized doors in Building 2. They are located on the east and south facades of the structure. The approaches are at grade level and do not require stairs or ramps. The routes have proper horizontal clearances for passage. Minor slab deterioration may contribute to accessibility issues for wheelchair and people with visual impairment. Repairing, filling, and patching the concrete is recommended. Presently the threshold edges are higher than the ADA limit of 1/4" above grade.



Parking and Drop off Areas:
 There is ample space and flat surface parking with drop-off areas near building entrances available for handicapped vehicular use.



Access to offices:
 The administrative space on the first floor of Building 2 appears to be accessible. However due to the amount of objects currently being stored in the facility it is difficult to make a full assessment. The mezzanine level administrative space in Building 2 has both corridors and door clearances which fail to meet ADA requirement.



Usability of Toilet Rooms:
 The existing toilet room located on the mezzanine level of Building 2 can only be reached by use of existing stairways. As a result there are no barrier free accessible toilet rooms in the facility. Additionally, the toilet room does not meet the appropriate mounting heights and accessory requirements for ADA compliance.



Vertical Circulation:
 There are two stairways in Building 2 which provide access to the administrative mezzanine and toilet room. There is no elevator in the existing building and no barrier free access to the second level toilet rooms. There are no existing ramps.



Upper Level Toilet room.

Lower Level Toilet room.

Estimate of Probable Cost | Base Building Shell

Cost analysis of bringing existing building shell to a maintainable condition. This does not include interior renovations and/or improvements other than the building envelope, basic services, and code compliance.

This is a conceptual estimate only. Estimates are based on field observations, existing drawings, current regional construction cost data, and assumed required improvements.

2013.2044.00 721 N. Main - Ann Arbor

A GENERAL REQUIREMENTS

GEOTECHNICAL

SUBTOTAL GENERAL REQUIREMENTS	\$3,129
	\$3,129

B SITEWORK

G10 SITE PREPARATION

2010 SITE DEMOLITION	\$13,243
2015 SITE ENVIRONMENTAL	\$62,865

G20 SITE IMPROVEMENTS

2030 PEDESTRIAN PAVING	\$20,914
2040 SITE DEVELOPMENT	\$20,879
2050 LANDSCAPING	\$35,000

G30 SITE MECHANICAL UTILITIES

3010 WATER SUPPLY	\$17,931
3020 SANITARY SEWER	\$4,714
3030 STORM SEWER	\$9,272

G40 SITE ELECTRICAL UTILITIES

4020 SITE LIGHTING	\$31,918
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SUBTOTAL SITE ELECTRICAL UTILITIES

	\$33,600
	\$33,600

C BUILDING SHELL

B1 DEMOLITION & REMEDIATION

5010 Selective Building Demolition	\$218,418
5020 Environmental Remediation	\$250,212

SUBTOTAL DEMOLITION & REMEDIATION

	\$305,519
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B2 FOUNDATIONS & FLATWORK

5040 FLATWORK	\$85,621
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SUBTOTAL FOUNDATIONS & FLATWORK

	\$3,331
	\$85,621

B3 BUILDING SHELL

5060 STRUCTURAL FRAMING

5070 EXTERIOR ENCLOSURE	\$111,723
5080 ROOFING	\$22,811

SUBTOTAL BUILDING SHELL

	\$6,966
	\$6,966

B4 INTERIORS

6010 INTERIOR CONSTRUCTION

6020 INTERIOR FINISHES	\$74,771
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SUBTOTAL INTERIORS

	\$4,129
	\$4,129

B5 PLUMBING, HVAC, ELECTRICAL

8010 PLUMBING SYSTEMS

8020 FIRE PROTECTION	\$38,480
8030 HVAC SYSTEMS	\$102,692

SUBTOTAL PLUMBING, HVAC, ELECTRICAL

	\$294,578
	\$264,053

SUBTOTAL BUILDING SHELL

	\$27,055
	\$27,055

SUBTOTAL

Contractor's Gen Requirements

Contractor's Overhead

Contractor's Profit

	\$89,011
	\$8,900
	\$4,900

SUBTOTAL

Design Contingency

	\$110,000
	\$22,000

721 N. Main - Ann Arbor

25,867 SF	\$132,000	\$3,414,374
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The estimate of probable costs outlined below assumes a mid range cost of \$132/SF. This number will vary from approximately \$120-\$145/SF.

BUILDING SHELL | TOTAL PRELIMINARY COST ESTIMATE: \$3,104,040 - \$3,750,715.

2013.2044.00 721 N. Main - Ann Arbor

A GENERAL REQUIREMENTS

B SITEWORK

C BUILDING SHELL

	25,867 SF	\$80.44	\$3,129
	25,867 SF	\$89.01	\$2,302,311

SUBTOTAL

Contractor's Gen Requirements

Contractor's Overhead

Contractor's Profit

	10.0%	\$8.90	\$230,231
	5.0%	\$4.90	\$126,627
	7.0%	\$7.20	\$186,142

SUBTOTAL

Design Contingency

	25,867 SF	\$110.00	\$2,845,312
	20.0%	\$22.00	\$569,062

721 N. Main - Ann Arbor

25,867 SF	\$132,000	\$3,414,374
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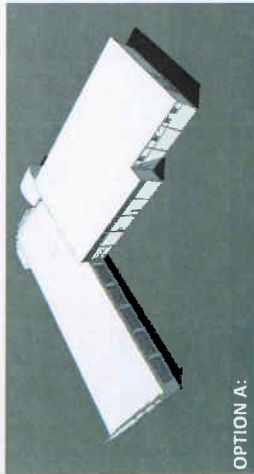
Estimate of Probable Cost | Proposed Interior Retrofits

Assembly Use Proposal 1: 721 Gallery & Studios

Educational Use Proposal 2: Sustainability Center

Base Building Shell Renovation Cost Range: \$3,104,040 - \$3,750,715

Base Building Shell Renovation Cost Range: \$3,104,040 - \$3,750,715



OPTION A:

Option A is a complete interior renovation of existing Building 1 & Building 2.

721 Gallery & Studios | Option A

Total Square Footage: 25,315 SF (Building 1 & 2)

Cost per Square Foot (Range): \$100 - \$160/SF

Estimated Interior Cost Range:
\$2,586,700-4,138,720

**TOTAL Cost Range of Interior + Exterior Shell:
\$5,690,740-7,888,435**

Sustainability Center | Option A

Total Square Footage: 25,315 SF (Building 1 & 2)

Cost per Square Foot (Range) \$120 - \$180/SF

Estimated Interior Cost Range:
\$3,104,040-4,656,060

**TOTAL Cost Range of Interior + Exterior Shell:
\$6,208,080-8,406,775**

721 Gallery & Studios | Option B

Total Square Footage: 10,284 SF (Building 2)

4,765 (Entry Addition)

2,968 SF (Mezzanine Storage)

6,879 SF (Exterior Pavilion)

Interior Cost/Square Foot (Range)
\$100-\$160/SF (Bldg 2) = \$1,028,400-\$1,645,440
\$140 - \$190/SF (Entry Addition) = \$667,000 - \$905,350
\$50- \$70/SF (Mezzanine Storage)=\$148,400-\$207,760
\$50 - \$80/SF (Exterior Pavilion)= \$343,905-\$550,320

Estimated Interior Cost Range: \$2,487,850 - \$3,308,870

**TOTAL Cost Range of Interior + Exterior Shell:
\$5,291,890 - \$7,059,585**

Sustainability Center | Option B

Total Square Footage: 10,284 SF (Building 2)

4,765 (Entry Addition)

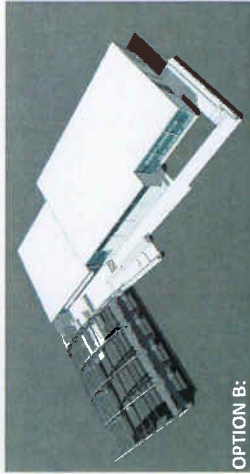
2,968 SF (Mezzanine Storage)

6,879 SF (Exterior Pavilion)

Interior Cost/Square Foot (Range)
\$120 - \$180/SF (Building 2) = \$1,234,080-\$1,851,120
\$140 - \$190/SF (Entry Addition) = \$667,000 - \$905,350
\$50- \$70/SF (Mezzanine Storage) = \$148,400-\$207,760
\$50 - \$80/SF (Exterior Pavilion)= \$343,905-\$550,320

Estimated Interior Cost Range: \$2,393,530 - \$3,514,550

**TOTAL Cost Range of Interior + Exterior Shell:
\$5,497,570 - \$7,265,285**



OPTION B:

Option B proposes a partial demolition of Building 1, conversion of building 1's existing structure and exterior walls to an outdoor pavilion space. Option B includes the renovation of Building 2 and new addition at entry.

Option B reduces interior conditioned space from 25,315 SF to 18,017 SF.

It is likely that a reduction in interior conditioned spaces will impact annual energy and maintenance costs.

Potential Use | 01 Assembly | 721 Gallery and Studios

721 Gallery and Studios is a flexible use cultural site that serves the creative and cultural communities of Ann Arbor. The site is a mix of small studio spaces and large clear-span halls with early 20th century character and ample natural lighting. Large open gathering spaces operate as a flexible hub for a variety of community uses. The space is additionally suited to function as a site for art & theatrical exhibitions, entertainment venues, large civic meetings, private social events, and pop-up markets which support local vendors, food growers and crafts people. The open transitional floor plate and adjacency to downtown Ann Arbor (which is in need of flexible gathering space) position 721 N. Main St. as a unique and dynamic addition to Ann Arbor's thriving cultural community.

721 Gallery and Studios is located within a buffer zone between a neighborhood of 20th century residential homes to the west and the busy commercial main street corridor to the east. The site, as it exists today, is devoid of activity and has fallen into disrepair. However it is rich with potential. Creating a gallery and assembly space will activate this region and promote community connectivity and further development of the North Main Street Corridor. Working in collaboration with non-profit groups, community leaders, and local governmental agencies, 721 Gallery and Studios will activate a site that has suffered years of urban decline. 721 Gallery and Studios will be a vital catalyst, transforming the North Main Street corridor into an active arts community.

The building is composed of two distinct clear-span floor plates in an L-shaped configuration with a large interior connection between them. 19,711 square feet of open area would serve as the exhibition hall and gallery space. An additional 3,078 square feet on the main level (below the existing mezzanine) would be used as studio space, support offices, small meeting rooms and storage. Without an existing elevator, the 3,078 sq. mezzanine would serve as an upper level storage space.

Although the site is near downtown, foot traffic to this area is light. By including an adjacent outdoor space as a potential exhibition venue, the site has the potential to become an important part of Ann Arbor's current summer festivals and activities. 721 Gallery and Studio will draw visitors to the area and activate the North Main St. corridor.

721 Gallery and Studio Objectives;

- To become an aesthetically beautiful venue for cultural events, exhibitions, and meetings.
- Enhance the quality of life for the residents and workers in Ann Arbor and nearby neighborhoods of Waterhill, Kerrytown and North Main.
- Become a catalyst for cultural and real estate development of the North Main Street Corridor.
- Promote the arts communities of Ann Arbor and provide a setting for local crafts people and entrepreneurs to create, share, and collaborate.

721 Gallery and Studio will provide;

- Studio spaces for artists and crafts people
- A cultural destination site for residents and visitors to Ann Arbor.

- Indoor exhibition space that can be used for many uses including artists gallery, music venue, theatrical performances, pop up markets for local vendors, food growers, and entrepreneurs.
- Outdoor exhibition space that will become a vital part of local festivals & culture.

Zoning & Allowed Uses

Zoned PL (Public Land) | The intended uses include Cultural Services, such as museums and art galleries. Land uses also include Civic Center.

Parking Requirements

Section 5:167 of the Ann Arbor, Michigan, Code of Ordinances line (80) states that Parking and bicycle spaces for uses not specified shall be determined by the planning and development services manager, based upon requirements for similar uses.

Without interruption of the proposed Allen Creek Greenway site development, the existing site could potentially accommodate parking along the West and North-West ends of the site with access from both N. Main Street & W. Summit Street. Additionally the existing parking lot at the Ann Arbor Community Center (625 N. Main Street) could be developed as a shared lot to support the 721 Gallery and Studios.

Precedent Study | 01-A
monOrchid Building | Downtown Phoenix Arts Collaboration



Phoenix, Arizona | www.monorchid.com

Located in the heart of the arts district in downtown Phoenix, the monOrchid building offers space for events, weddings, photo/video production, art exhibits and small businesses. The monOrchid is a 14,000 sq ft space comprised of open exhibition space, office pods, and two world-class photo cycloramas. The varied connected spaces house multiple creative businesses and offer unique settings for cultural events within the masonry walls and soaring natural wood bow trusses. Originally a warehouse constructed in 1937 by Del Webb, the building is an excellent example of adaptive-reuse in the City's core. Through ten years of renovation and invention, the building has morphed into a place for collaboration, creativity and celebration.

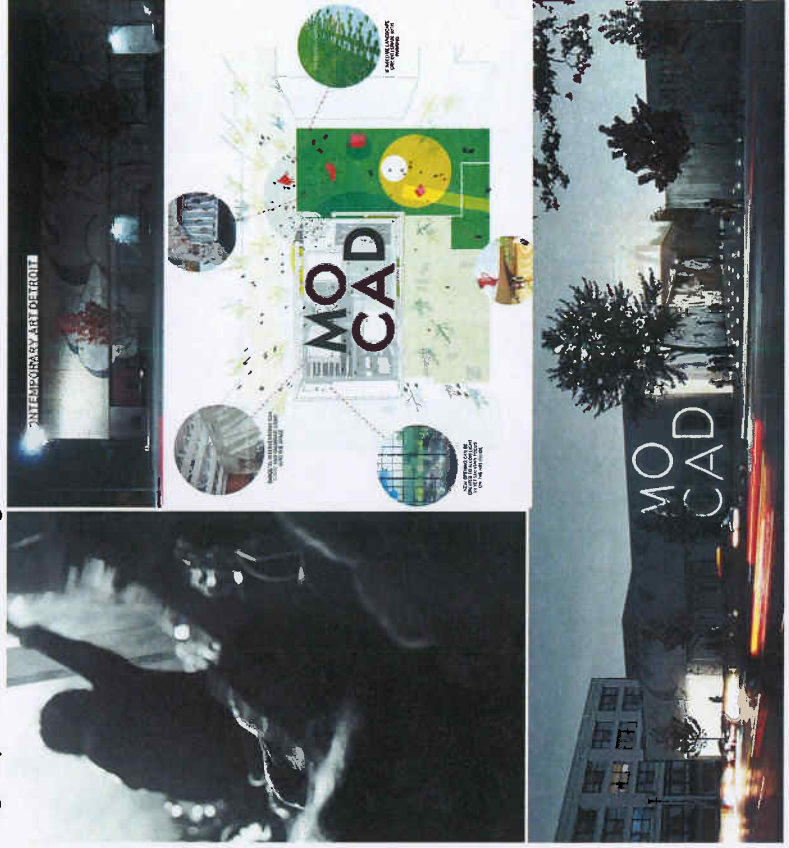
Completed/January 2003
 Building Use Events, weddings, photo/video production, art exhibits, and small businesses
 Size 14,000 SF
 Stories Two

Precedent Study | 01-B
Museum of Contemporary Art Detroit (MoCAD)

Located on Woodward between the Detroit Symphony Orchestra and the Detroit Institute of the Arts, Wayne State University and the College for Creative Studies, the museum is an innovative addition to Detroit's vibrant Midtown neighborhood, and functions as a hub for the exploration of emerging ideas in the contemporary arts. The 22,000 square foot building, a former auto dealership, has been simply renovated to maintain its historic character. With its raw, flexible and cavernous spaces, the building is well suited to the exhibition of contemporary art. The museum offers an ambitious series of public programs including lectures, musical performances, films, literary readings and educational activities for children. The MOCAD Store includes merchandise not sold in the metropolitan area, including specialized art and culture magazines, journals and books, as well as limited edition artists t-shirts and other functional objects.

Completed/January 2006
 Building Use Gallery, lectures, musical performances, films, literary readings and educational activities
 Size 22,000 SF
 Stories One

Detroit, Michigan | www.mocadetroit.org



Potential Use | 02 Educational Services | Sustainability Center

The proposed Sustainability Center located at 721 N. Main St. envisions the resurgence of the 721 N. Main street site as a vibrant educational facility where a green Ann Arbor is fostered through the incorporation of civic engagements, green business incubation, sustainable construction education & training and city-wide policy innovations which promote a more comprehensive and efficient approach towards healthier buildings and communities.

Working with non-profit business and local governmental agencies, the proposed Sustainability Center will serve as an engine for ecological, economic and social change towards a sustainable society. The center will operate as a 'living system' to explore all aspects of sustainable living and how a sustainable lifestyle contributes to the general health and well being of Ann Arbor and the surrounding region.

The proposed Sustainability Center will accelerate the principles of green design, becoming a sustainable catalyst further expand the image of Ann Arbor as a "green economy" while providing a new model for urban redevelopment and adaptive reuse. Through empowerment of the local community, encouraging people to take leadership and transform their own environments into healthy places to live, work and play, the Sustainability Center aims to enhance the quality of life for all residents in the City of Ann Arbor.

Sustainability Center Objectives;

- Increase public and private collaboration to bring a comprehensive and efficient approach to promote greener, healthier buildings and communities.
- Enhance quality of life for the residents and workers in Ann Arbor and surrounding communities.
- Expand the image of Ann Arbor as a model of an equitable, sustainable green economy.
- Establish credible green policies and programs across the city and region through innovative public-private collaboration.

Sustainability Center will provide;

- A collaborative environment and resource for the Allen Creek Greenway Conservancy and other groups or individuals focused on issues concerning community sustainability throughout the region.
- Resources for developers regarding green building techniques and financing tools for sustainable development
- A center for organizing and youth leadership in environmental stewardship
- A green cafe serving locally grown food
- A coordinating center for policy around sustainability issues
- An incubator for startup businesses pursuing environmentally sustainable practices
- Technical assistance to businesses that desire to reduce its carbon footprint by incorporating pollution prevention mechanisms and/or employing best practices in their relevant industries that will do the same
- A sustainable solutions lab for public education, hands-on training and demonstrations
- A destination site for sustainable reuse of existing structures.

Zoning & Allowed Uses

Zoned PL (Public Land) | The intended uses are designed to classify publicly owned uses and land and permit the normal principal and incidental uses required to carry out governmental functions and services which includes the proposed use as an Educational Center.

Parking Requirements

Section 5:167 of the Ann Arbor, Michigan, Code of Ordinances line (80) states that Parking and bicycle spaces for uses not specified shall be determined by the planning and development services manager, based upon requirements for similar uses.

Without interruption of the proposed Allen Creek Greenway site development, the existing site could potentially accommodate parking along the West and North-West ends of the site with access from both N. Main Street & W. Summit Street. Additionally the existing parking lot at the Ann Arbor Community Center (625 N. Main Street) could be developed as a shared lot to support the ACSC.

Precedent Study | 02-A Chicago Center for Green Technology



Chicago, Illinois | www.chicagogreentech.org

The Chicago Center for Green Technology (CCGT) is the first rehabilitated municipal building in the nation to receive the LEED® Platinum rating from the U.S. Green Building Council. Former Mayor Richard M. Daley dedicated the building in 2002 and it has gone on to become a national model for sustainable design and technology.

The Center serves as the most comprehensive green design educational resource in the Midwest, promoting and advancing sustainable homes, workplaces and communities to enhance the quality of urban life. The CCGT works facilitate this through educational programming and training, research and demonstration and by acting as a resource network.

Completed/January	2003
Building Use	Commercial office, Industrial, Assembly
Size	32,000 SF
Stories	Two
Cost	\$5,400,000 (excluding land cost)
Occupancy	Typically occupied by 35 people, 50 hours per person per week; and 100 visitors per week, 2 hours per visit.

Precedent Study | 02-B Omega Center for Sustainable Living

The Omega Center for Sustainable Living (OCSL) demonstrates and teaches what is possible through innovative educational programs which offer visitors and students a path toward a sustainable and regenerative future. The OCSL is a wastewater filtration facility that is designed to use the treated water for garden irrigation and in a greywater recovery system. Omega uses the system and building as a teaching tool in its educational program designed around the ecological impact of its campus.

“The OCSL is a dynamic, living and breathing demonstration of how interconnected we all are with the world around us. Our goal is to help people re-examine how they relate to the world by showing them what’s possible in terms of environmental sustainability, green energy, and regenerative design.” Skip Backus, Omega CEO.

Completed/January	2010
Building Use	Education, Assembly
Size	6,200 SF
Stories	One
Cost	\$4,200,000 (excluding land cost)
Occupancy	Open for visiting tours and group appointments from April to November

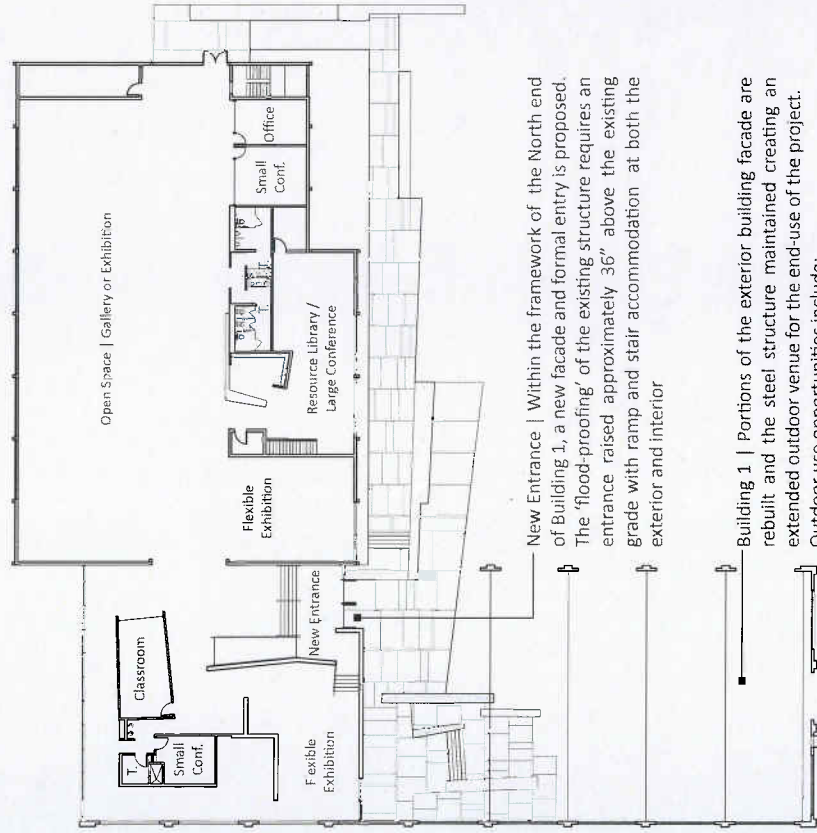
Rhinebeck, New York | www.omega.org



721 N. Main Street | Architectural Explorations

This proposal envisions the resurgence of the 721 N. Main Street site as a vibrant and creative urban hub where the local community can thrive in environmental, economic and social health. The heart, pride and creativity of Ann Arbor are the roots and catalyst for local and regional change.

Through empowerment of the local community and encouraging people to take leadership in transforming their own environments into healthy places to live, work and play, the 721 N. Main St. site aims to enhance the quality of life for residents, students and craftsmen in the City of Ann Arbor. The site will serve as a creative community and professional resource hub. In addition to the interior use (i.e. Gallery & Studios or the Sustainability Center) the project aims to create a series of restorative site interventions through sustainable urbanism and green infrastructure practices; extending into the community as part of Allen Creek Greenway revitalization effort. A green roof at the new entry addition, water cleansing biotopes, rain gardens and a public plaza provide opportunities for education and collaboration within a healthy urban setting.

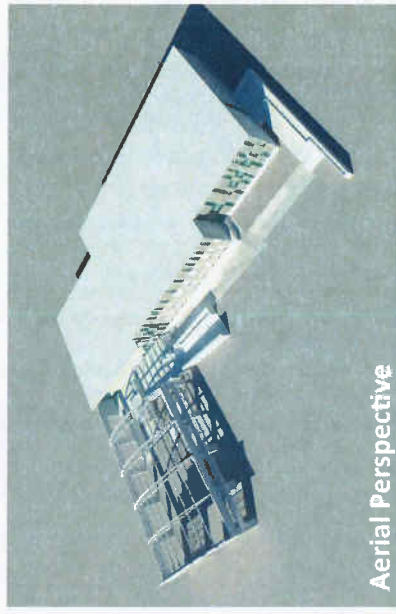


New Entrance | Within the framework of the North end of Building 1, a new facade and formal entry is proposed. The 'flood-proofing' of the existing structure requires an entrance raised approximately 36" above the existing grade with ramp and stair accommodation at both the exterior and interior

Building 1 | Portions of the exterior building facade are rebuilt and the steel structure maintained creating an extended outdoor venue for the end-use of the project. Outdoor use opportunities include:

- Outdoor Art Gallery (coordinating with summer festivals)
- Music Venue (coordinating with summer festivals)
- Pop up Market/bazaar for local entrepreneurs, food growers and crafts people
- Theatrical Performances
- Private Social Events (weddings, parties... etc.)

Floor Plan

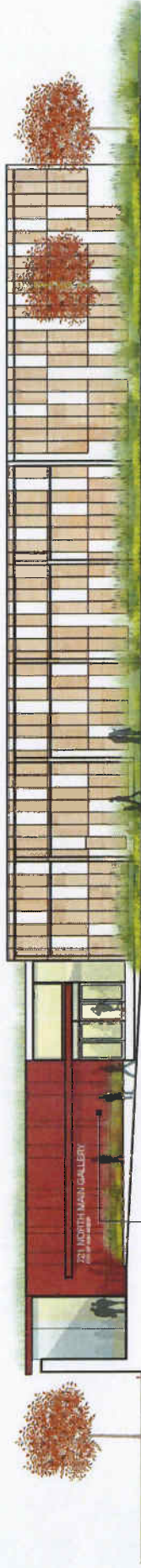


- Outdoor Art Gallery (coordinating with summer festivals)
- Music Venue (coordinating with summer festivals)
- Pop up Market/bazaar for local entrepreneurs, food growers and crafts people
- Theatrical Performances
- Private Social Events (weddings, parties... etc.)



South Elevation (Shading Panels Collected)

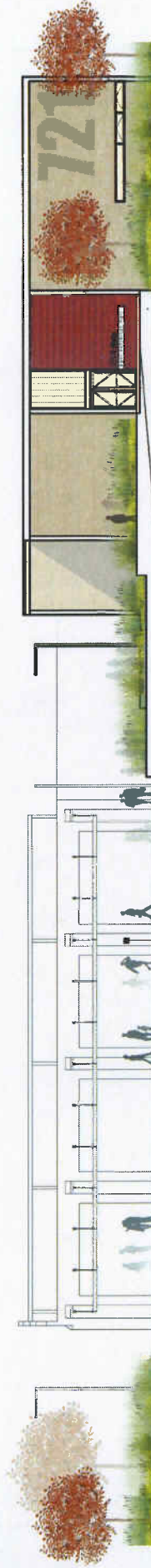
Utilized as a projection surface for outdoor evening film festivals.



New Entrance | Within the framework of the North end of Building 1, a new facade and formal entry is proposed. The 'flood-proofing' of the existing structure requires an entrance raised approximately 36" above the existing grade with ramp and stair accommodation at both the exterior and interior

South Elevation (Adjustable Shading Panels)

Exterior LED ground lighting of the facade could create a multi-color panel display.



East Elevation

Building 1 | Portions of the exterior building facade are rebuilt and the steel structure maintained creating an extended outdoor venue for the end-use of the project.

Outdoor use opportunities include;

- Outdoor Art Gallery (coordinating with summer festivals)
- Music Venue (coordinating with summer festivals)
- Pop up Market/bazaar for local entrepreneurs, food growers and crafts people
- Theatrical Performances
- Private Social Events (weddings, parties... etc.)



Building 1 | Portions of the exterior building facade are rebuilt and the steel structure maintained creating an extended outdoor venue for the end-use of the project.

New Entrance | Within the framework of the North end of Building 1, a new facade and formal entry is proposed. The 'flood-proofing' of the existing structure requires an entrance raised approximately 36" above the existing grade with ramp and stair accommodation at both the exterior and interior.

Building 2 | The existing brick building facade is maintained and repaired. Windows are replaced with high-performance glazing and wood slat panels (reclaimed and fabricated from the existing salt storage building on site) act as a whimsical glazing scrim along the southern elevation



721 North Main | Entry Perspective

Alexa, Jennifer

From: Beaudry, Jacqueline
Sent: Monday, January 06, 2014 8:43 PM
To: *City Council Members (All)
Cc: Powers, Steve; Postema, Stephen; Bowden (King), Anissa
Subject: DC-1 Amendments
Attachments: Meter Policy (6-jan-2013).pdf

Hello:

The proposed amendments are in the packet, but for your information, here they are.

Jacqueline Beaudry, City Clerk

City Clerk's Office | Guy C. Larcom City Hall | 301 E. Huron, 2nd Floor · Ann Arbor · MI · 48104
734.794.6140 (O) · 734.994.8296 (F) |
jbeaudry@a2gov.org | www.a2gov.org



Think Green! Please don't print this e-mail unless absolutely necessary.

Whereas, The 2011 City/DDA Parking Agreement ("The Agreement") set forward that a City policy regarding the permanent removal of on-street metered parking spaces would be established;

Whereas, The Agreement provides that the DDA has the sole authority to determine the removal of parking meter spaces, subject to the administrative approval of the City;

Whereas, The DDA and City staff have considered the costs and implications of the removal of on-street metered parking spaces and agree that removal of on-street parking spaces should be minimized through collaborative efforts and consideration of alternatives;

Whereas, The availability of right-of-way is a finite resource and loss of on-street parking spaces drives the creation of public parking spaces in constructed facilities at a significant public cost; and

Whereas, The DDA has determined the cost of constructed parking facilities based on current experience;

RESOLVED, City Council adopts the following policy:

- In instances where the removal of one or more on-street parking meter spaces is not initiated by the City or DDA, or does not constitute a community benefit, but instead is of more localized benefit to a development or project, a fee is hereby established effective ~~December 16, 2013~~ January 6, 2014, as (a) \$45,000/parking meter space; and (b) Lost Revenue/parking meter space, payable to the City of Ann Arbor.

- "Lost Revenue" with regard to any parking meter space shall equal ten (10) years net present value of revenue from such space, calculated on a base equal to the average of three (3) years trailing revenue from such space.

- Monies received by the DDA pursuant to (a) above shall be accounted for as restricted funds and used only for parking system capital projects. Monies received by the DDA pursuant to (b) above shall be accounted for as parking revenue received in the ordinary course of business, subject to the terms of the City-DDA Parking Agreement.

- Given that there is a finite amount of curb area in the public right of way, space removal fees shall not be waived or offset by relocating parking meters to any other location in the City public right-of-way, unless such meters are located on the parcel(s) associated with the development or project.

- The City of Ann Arbor shall pass through space-removal fees received to the DDA for use in connection with the parking system, and as with other components of plan review, charge the project for the costs attributable to the City's implementation of this policy.

- The City Administrator shall review the DDA's determination of whether space removal would constitute a community benefit, and is authorized to reverse such determination if, in the City Administrator's reasonable discretion, the DDA has incorrectly evaluated the existence of "community benefit".

- The City Administrator shall consider the following non-exclusive factors when reviewing the DDA's determination of whether the removal of one or more on-street parking meter spaces would constitute a community benefit:

- the likely community effects of the proposed alternate usage;
- the long- and short-term effects on the parking system of the proposed removal;

- o the public health, safety or welfare effects of the proposed removal; and
- o the breadth and duration of Petitioner's activity in the community.

RESOLVED, That the City Council requests that the DDA draft and approve a policy that provides for the determination of "community benefit" based upon the non-exclusive factors articulated above;

RESOLVED, Payment would be required at the time a City permit or Traffic Control Order is issued that would include the removal of one or more parking meter spaces.

Sponsored by: Councilmember Taylor

Alexa, Jennifer

From: Taylor, Christopher (Council)
Sent: Monday, January 06, 2014 8:46 PM
To: Beaudry, Jacqueline
Subject: Amendment in [brackets]

Given that there is a finite amount of curb area in the public right of way, space removal fees shall not be waived or offset by relocating parking meters to any other location in the City public right-of-way, unless such meters are located [in the right of way] associated with the development or project.

Alexa, Jennifer

From: Tom Slavens [REDACTED]
Sent: Monday, January 06, 2014 9:07 PM
To: ryanstanton@mlive.com
Cc: Hieftje, John; Michal Porath
Subject: Plowing of Tremont Dr. and Tremont Lane

Dear Sir:

Please have Tremont Drive and Tremont Lane plowed as soon as possible. I am trying to sell a house on Tremont Lane, and the sale is being hampered by the city's failure to plow Tremont Lane and Tremont Dr.

Mr. Hieftje sees that such action is accomplished, but he is not a mind-reader and needs fellow Democrats like myself to keep him informed.

Sincerely,

Thomas P. Slavens

Alexa, Jennifer

From: [REDACTED]
Sent: Monday, January 06, 2014 10:00 PM
To: Petersen, Sally
Subject: Snow days for garbage collection

It is quite understandable that severe weather can deter garbage (and recycle, not always synchronized) collection, and I have no quarrel with that. What I do find annoying is that they don't let us in on the secret when this happens. The crews ordinarily ignore the cans unless they are fully in the roadway, so the cans just sit there day after day in the way of the snowplows. Our pick-up day is Wednesday, deferred to Thursday last week. There was no announcement, so the cans sat out there undisturbed on Thursday, Friday and Saturday. It is obvious that pick-up will not be on schedule this week, but they apparently do not intend to tell us. By contrast, Ypsi did report delayed service to MLive. Since the official switchboard does not allow human interaction, could you please intervene?

Henry Brysk
3032 Cedarbrook Road
Ann Arbor, MI 48105

[REDACTED]

Alexa, Jennifer

From: William Greenberg [REDACTED]
Sent: Monday, January 06, 2014 10:04 PM
To: Eaton, Jack
Subject: 721 Main Building Details

Mr. Eaton,

I didn't receive that document about the 721 Main Street building you showed me at the meeting. Would you mind forwarding it to me? Thank you.

--

Will Greenberg
Senior News Editor
The Michigan Daily
University of Michigan '16