



**CHAMPAIGN COUNTY BOARD
FACILITIES COMMITTEE AGENDA**

County of Champaign, Urbana, Illinois

Tuesday, September 8, 2020 at 6:30 via ZOOM

Lyle Shields Meeting Room

Brookens Administrative Center

1776 E. Washington St., Urbana, IL 61802

Committee Members:

Stan Harper – Chair	Leah Taylor
Steve Summers – Vice Chair	James Tinsley
Mike Ingram	Jodi Wolken
Jon Rector	Charles Young

Agenda

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I. Call to Order and Roll Call	
II. Approval of Agenda/Addenda	
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• Being accepted remotely through zoom – for instructions go to: https://us02web.zoom.us/j/89270176085	1
V. Communications	
VI. New Business	
A. Update on Humane Society New Construction & Remodel – Executive Director Mary Tiefenbrunn	5-16
B. Update on ITB #2020 002 Courthouse & JDC Video Security Replacement Project (attached)	17-20
C. Update on July 11, 2020 Hailstorm damage to County Buildings and HVAC equipment	21-86
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VIII. Presiding Officer's Report	
A. Future Meeting – Monday, October 5, 2020 @	

IX. Designation of Items to be Placed on the Consent

Agenda

X. Adjournment

All meetings are at Brookens Administrative Center – 1776 E Washington Street in Urbana – unless otherwise noted. To enter Brookens after 4:30 p.m., enter at the north (rear) entrance located off Lierman Avenue.

Champaign County will generally, upon request, provide appropriate aids and services leading to effective communication for qualified persons with disabilities. Please contact Administrative Services, 217-384-3776, as soon as possible but no later than 48 hours before the scheduled meeting.

**CHAMPAIGN COUNTY BOARD
FACILITIES COMMITTEE AGENDA
County of Champaign, Urbana, Illinois**



MINUTES – Pending Approval

DATE: Tuesday August 4, 2020
TIME: 6:38 p.m.
PLACE: Lyle Shields Meeting Room
Brookens Administrative Center, 1776 E. Washington St., Urbana IL 61802
(ZOOM Meeting)

Committee Members

Present: Steve Summers, Jon Rector, Charles Young, Jodi Wolken, Mike Ingram, James Tinsley
Absent: Stan Harper

County Staff: Dana Brenner (Facilities Director), Dan Busey (Recording Clerk)

Others Present: Board Chair Rosales, Jim Gleason (CEO of GHR Engineers)

Minutes

I. Call to Order and Roll Call

Vice Committee Chair Steve Summers called the meeting to order at 6:38 pm.

II. Approval of Agenda/Addenda

Moved by Mr. Ingram to approve the agenda; seconded by Ms. Taylor. Upon Vote, the **Motion Carried Unanimously.**

III. Approval of Minutes – June 2, 2020

MOVED by Mr. Rector to approve the minutes; seconded by Mr. Ingram. Upon vote, the **Motion Carried Unanimously.**

IV. Public Participation

There was no participation by the public.

V. Communications

Board Chair Rosales asked the clerk to note his presence at the meeting. Mr. Young stated that today is Barack Obama's Birthday.

VI. New Business

- A. Final update on ITB#2020-001 METCAD HVAC Replacement Project
Mr. Brenner informed the committee that the project was completed ten days ago. The final pay application has been received and is under review. Additional controls are being added by Alpha controls, in order to detect carbon dioxide and air movement to combat COVID. Mr. Brenner stated that this would be paid through A FEMA COVID Grant.

- B. Update on ITB #2020 002 Courthouse & JDC Video Security Replacement Project
Mr. Brenner referenced Page 6 in the Committee Members packets. Stating that the work at the Courthouse is ninety percent complete. With only a few cameras still being programmed in specific locations in the Courthouse. Johnson Controls will begin work at the Juvenile Detention Center on August tenth. Precautions are being put in place to keep the Juvenile Detention Center COVID free. A three to five day shutdown will take place to fully integrate the new system before the current system becomes obsolete.
- C. Update on July 11, 2020 Hailstorm damage to County Buildings and HVAC equipment
Mr. Brenner gave an overview of the hail damage to County AC Units and rooftops. The Fins on many AC Units were damaged and the roofs of ILEAS and the Courthouse suffered significant damage. Research has been done into the pricing of repairing the hail damage. Jim Gleason, CEO of GHR Engineers, gave recommendations on what should be repaired and what should be replaced. Mr. Gleason recommended the installation of hail guards to County AC Units. Mr. Gleason stated that he will begin the process to report the damage to insurance. Mr. Rector inquired about the County deductible to which Mr. Brenner stated it was fifty thousand dollars.
- D. Update on security glass/screens for County Buildings
Mr. Brenner updated the committee on the work that has been done by Bacon & VanBuskirk providing security glass/screens to County Buildings. The States Attorney, Public Defender, Court Security, Court Rooms, Supervisor of Assessments, Planning and Zoning, Treasurer, County Clerk, Recorder of Deeds and Animal Control have all been provided with different applications of this precaution. The Circuit Clerk's Office will have microphones installed due to problems communicating with the public. The County Clerk's Office will be installing more glass to guard the internal office space.
- E. Update on Covid-19 Sanitization Efforts in County Buildings
Mr. Brenner informed the committee on the ongoing sanitation efforts of the county to combat COVID 19. E-spray guns have been purchased for each building that are used to sanitize the buildings with a chemical that kills COVID 19 on surfaces. Mr. Brenner informed the committee of the schedule and particulars of how the process works.
- F. Discussion of Hosting Urbana Honor Roll World War II Plaque
A discussion was had about placing the Plaque that Honors World War II Veterans in a possible new location within a County Building. The plaque currently resides at the Urbana VFW.

VII. Other Business

None.

VIII. Presiding Officer's Report

- A. Future Meeting – Tuesday, September 8, 2020 @ 6:30pm

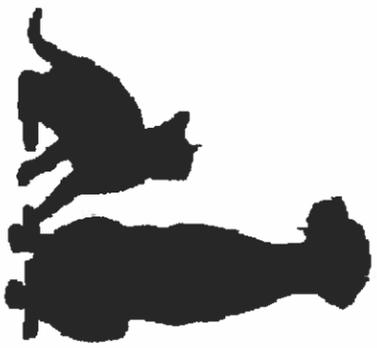
IX. Designation of Items to be Placed on the Consent Agenda
None.

X. Adjournment

The meeting adjourned at 7:18 pm.

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CHAMPAIGN CO. HUMANE SOCIETY

NEW CONSTRUCTION & INTERIOR REMODEL

1911 EAST MAIN STREET

URBANA, ILLINOIS 61802

INDEX OF DRAWINGS

- A1 LOCATION PLAN / ZONING REVIEW
- A2 EXISTING SITE PLAN
- A3 EXISTING FLOOR PLAN - MAIN BUILDING
- A4 PROPOSED SITE PLAN
- A5 PROPOSED PLAN AT MAIN BUILDING
- A6 PROPOSED PLAN AT TRAINING BUILDING
- A7 N/S MAIN BUILDING ELEVATIONS
- A8 E/W MAIN BUILDING ELEVATIONS / TRAINING RENDERINGS
- A9 TRAINING BUILDING ELEVATIONS
- A10 MAIN BUILDING EXTERIOR RENDERINGS
- A11 TRAINING BUILDING EXTERIOR RENDERINGS
- A12 MAIN BUILDING INTERIOR RENDERINGS

VIDEO RENDERING LINK:

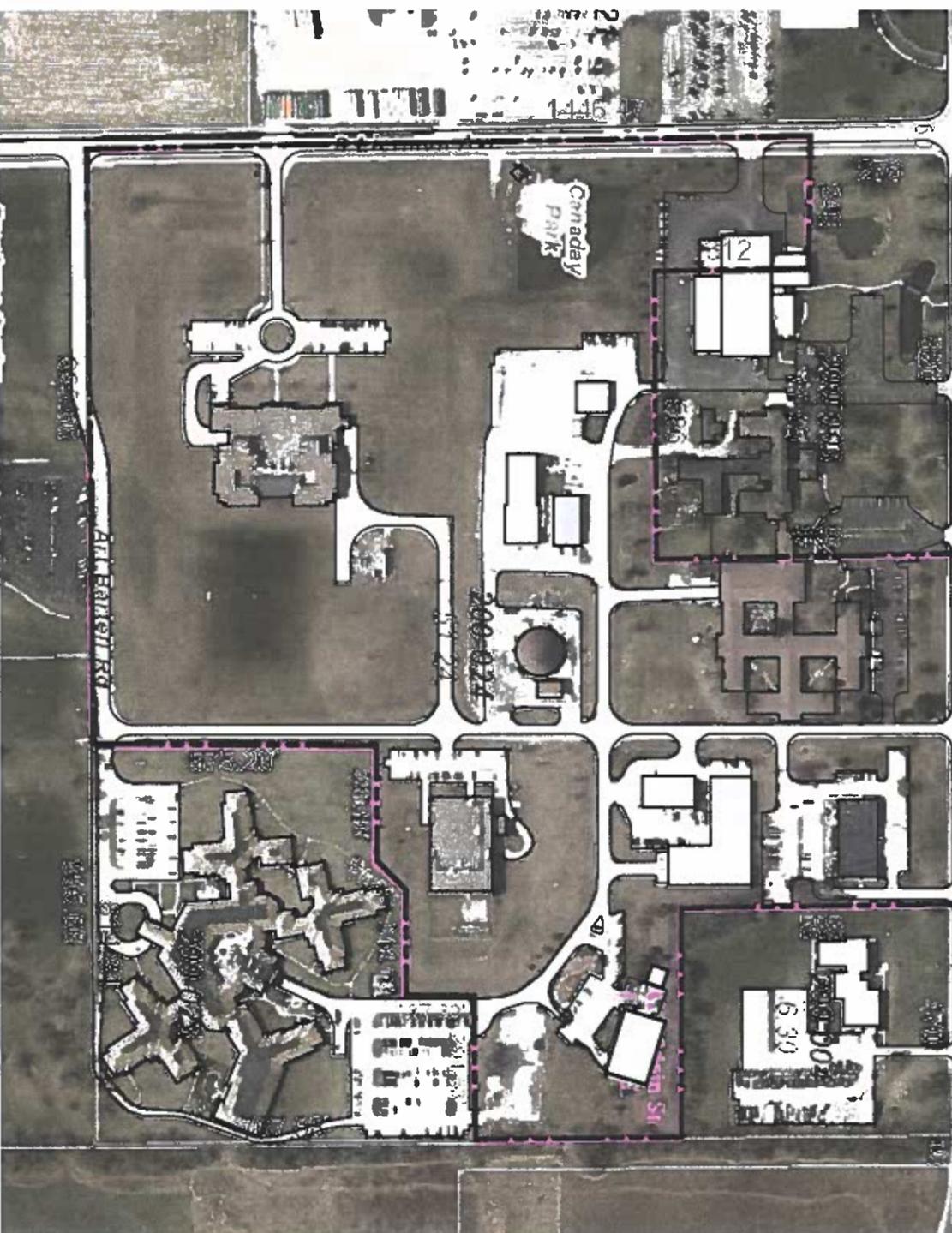
<https://youtube.com/gsgyqsk>

BUILDING SUMMARY

BUILDING AREA:	
MAIN BUILDING EXISTING =	10,180.4 SF.
MAIN BUILDING ADDITION =	2,659.2 SF.
TOTAL MAIN BUILDING AREA =	13,439.6 SF.
TRAINING BUILDING (NEW) =	6,914 SF.
TOTAL BUILDING AREA:	
TOTAL BUILDING AREA =	20,353.6 SF.
PROVIDED VEHICLE PARKING:	
EXISTING PARKING =	21 SPACES, INCLUDING 1 H/A SPACE
NEW PARKING =	20 SPACES, INCLUDING 1 H/A SPACE
TOTAL PARKING PROVIDED =	41 SPACES, INCLUDING 2 H/A SPACES
PROVIDED BICYCLE PARKING:	6 SPACES



2 AERIAL VIEW OF PROJECT SITE
A1 SCALE: NT9



4 LOCATION MAP
A1 SCALE: NT9

PROJECT #: 19019

DATE: 2020 JULY 30

REV/NO/1:

CHAMPAIGN COUNTY HUMANE SOCIETY
NEW CONSTRUCTION & INTERIOR SPACE REMODEL

1911 EAST MAIN STREET
URBANA, ILLINOIS 61802

These drawings and specifications are the property and copyright of Andrew Fell, Architecture and Design and shall not be used on any other work except by written agreement with the Architect. Only written dimensions shall be used. Do not scale drawings. Dimensions shall be verified on the job site. Any discrepancy shall be brought to the notice of the Architect prior to the commencement of any work.

ANDREW FELL
ARCHITECTURE AND DESIGN

616 NORTH HICKORY STREET, SUITE 101
CHAMPAIGN, ILLINOIS 61820
PHONE: 217.285.2880
WWW.ANDREWPELL.COM
EMAIL: andrewfell@comcast.net

A1

PROPERTY LINE

EXISTING MILCH PATH
TO BE REMOVED

EXISTING BERM

BRICK PAVING
TO BE REMOVED

EXISTING TREES
TO BE REMOVED

EXISTING GARAGE
TO BE REMOVED

REMOVE EXISTING
ASPHALT PARKING
LOT

REMOVE PORTION OF
EXISTING CONCRETE

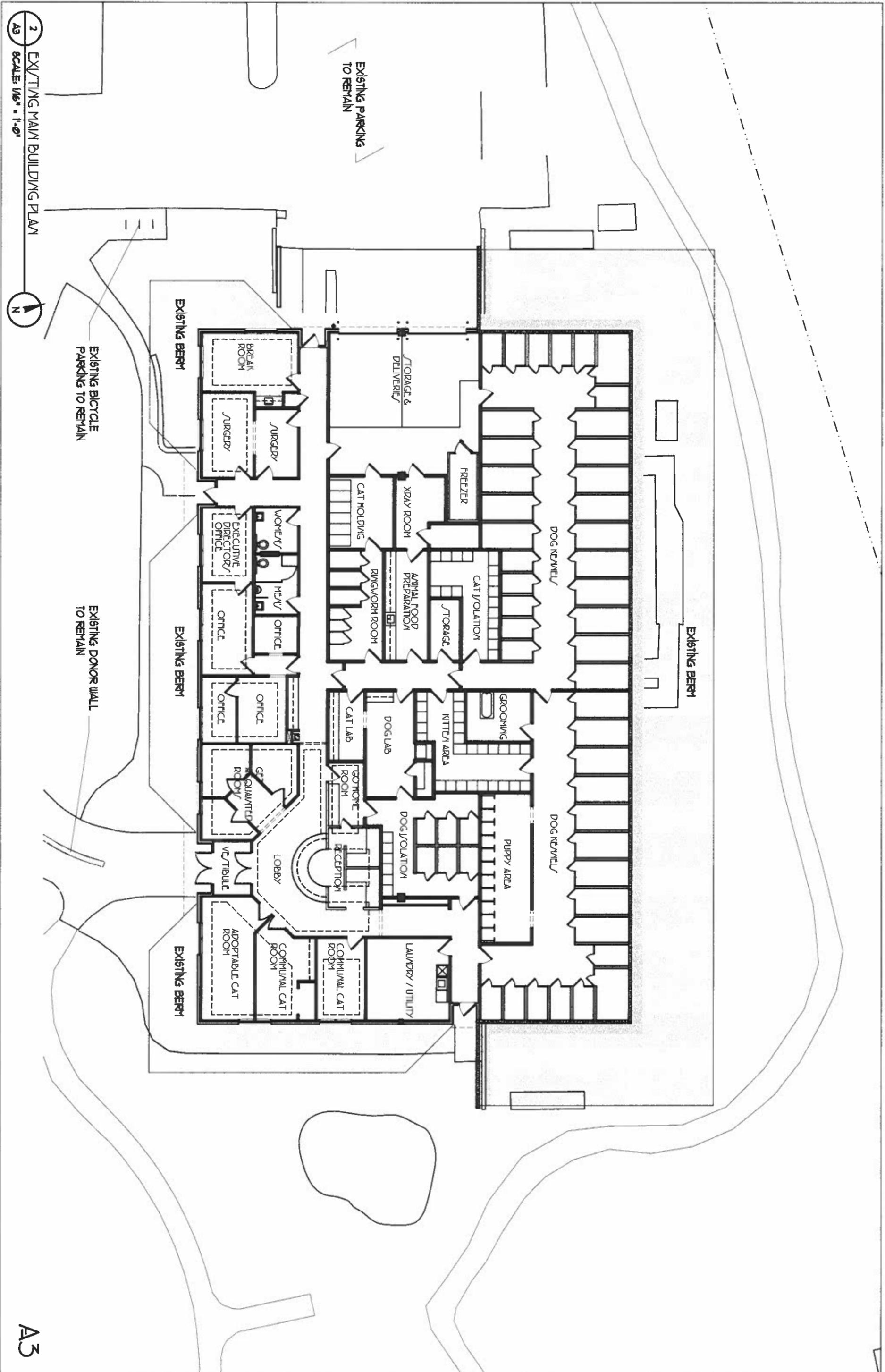
EXISTING PARKING
TO REMAIN

REMOVE AREA OF
EXISTING CONCRETE
AND PLANTINGS

EXISTING MONUMENT
SIGN TO REMAIN

PROPERTY LINE

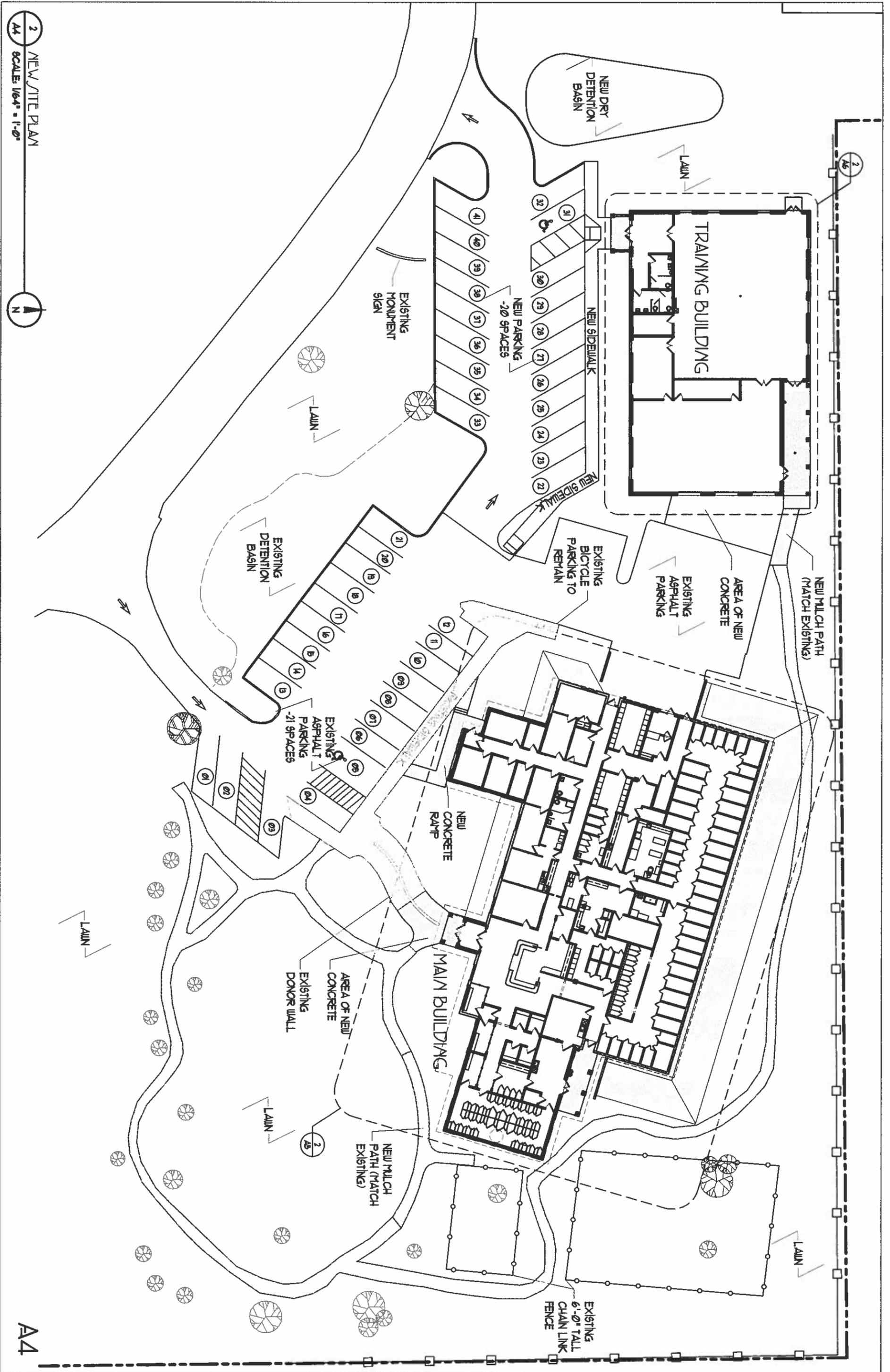




2 EXISTING MAIN BUILDING PLAN
 A3 SCALE: 1/8" = 1'-0"



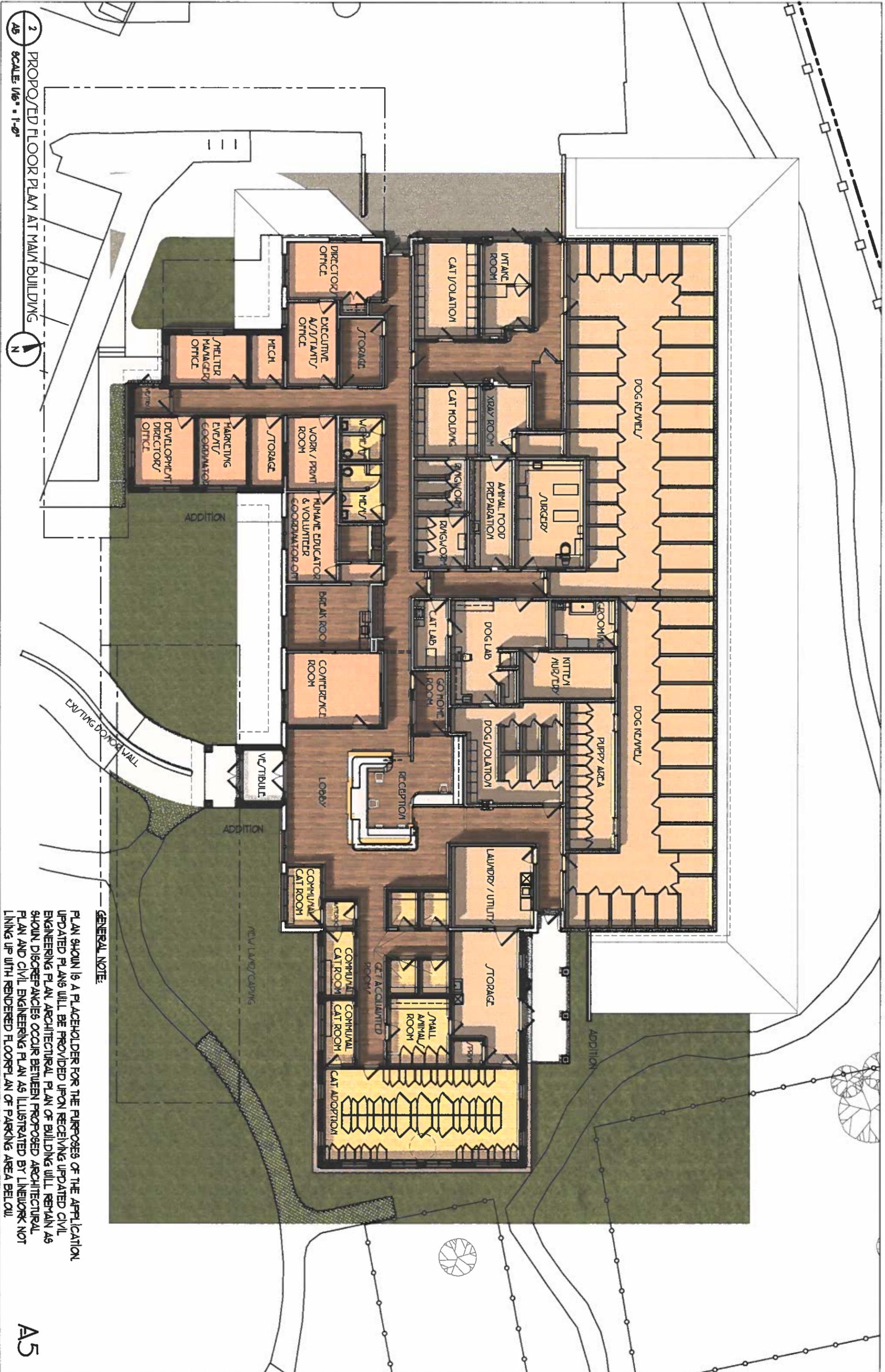
A3



2 NEW SITE PLAN
 A4 SCALE: 1/8" = 1'-0"



A4



2 PROPOSED FLOOR PLAN AT MAIN BUILDING
 AS SCALE: 1/8" = 1'-0"



GENERAL NOTE:

PLAN SHOWN IS A PLACEHOLDER FOR THE PURPOSES OF THE APPLICATION. UPDATED PLANS WILL BE PROVIDED UPON RECEIVING UPDATED CIVIL ENGINEERING PLAN ARCHITECTURAL PLAN OF BUILDING WILL REMAIN AS SHOWN. DISCREPANCIES OCCUR BETWEEN PROPOSED ARCHITECTURAL PLAN AND CIVIL ENGINEERING PLAN AS ILLUSTRATED BY LINEWORK NOT LINED UP WITH RENDERED FLOORPLAN OF PARKING AREA BELOW.

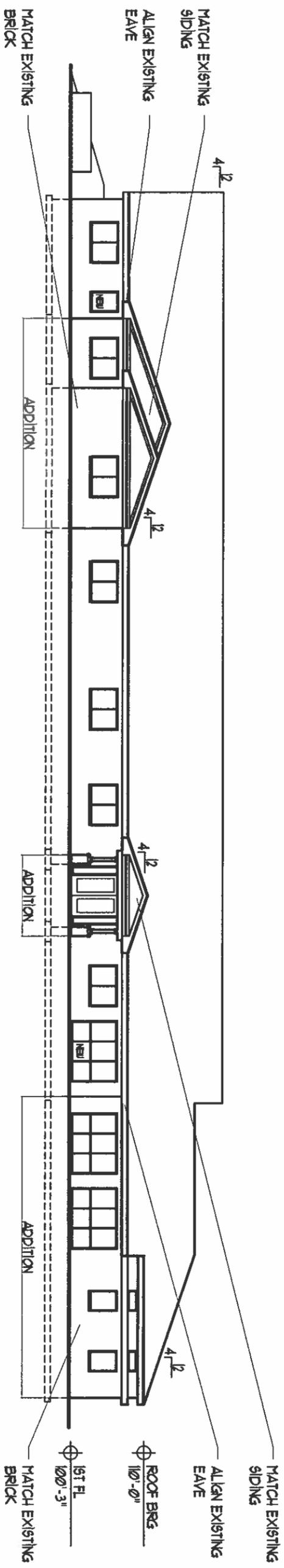
AS



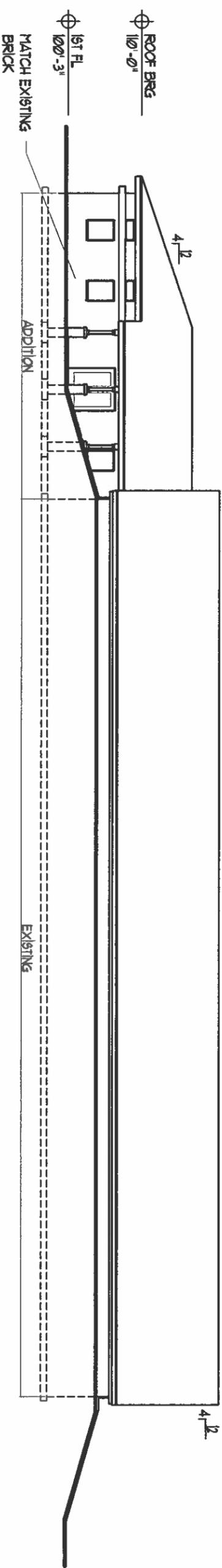
2 PROPOSED FLOOR PLAN AT TRAINING BUILDING
 A6 SCALE: 1/8" = 1'-0"

GENERAL NOTE:
 PLAN SHOWN IS A PLACEHOLDER FOR THE PURPOSES OF THE APPLICATION. UPDATED PLANS WILL BE PROVIDED UPON RECEIVING UPDATED CIVIL ENGINEERING PLAN ARCHITECTURAL PLAN OF BUILDING WILL REMAIN AS SHOWN. DISCREPANCIES OCCUR BETWEEN PROPOSED ARCHITECTURAL PLAN AND CIVIL ENGINEERING PLAN AS ILLUSTRATED BY LINEWORK NOT LINKING UP WITH RENDERED FLOORPLAN OF PARKING AREA BELOW.

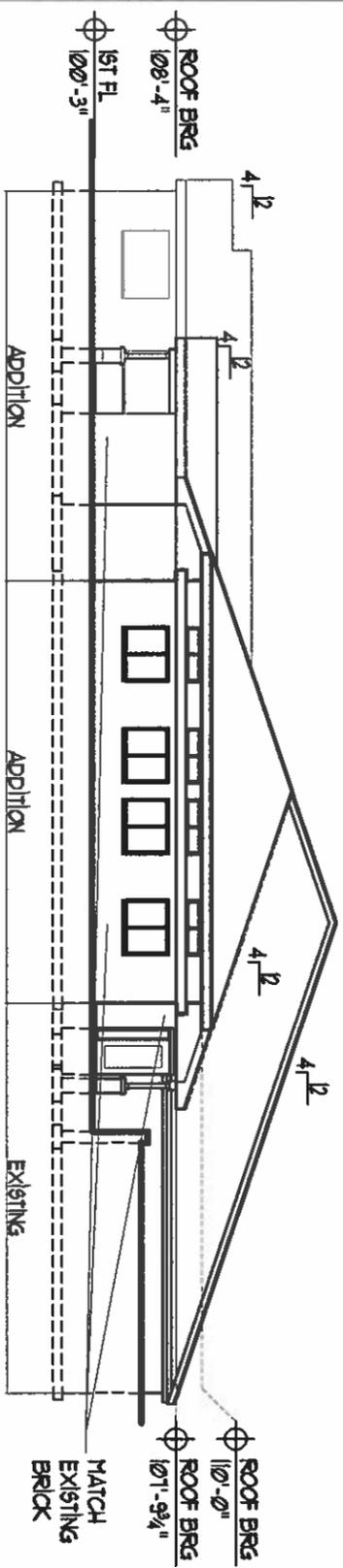
A6



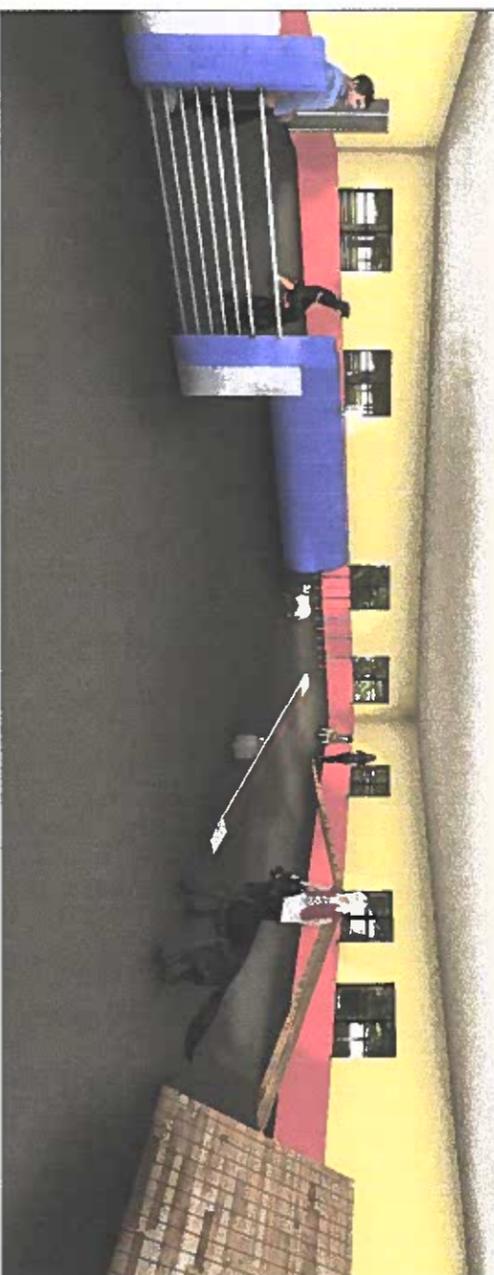
1 SOUTH ELEVATION AT MAIN BUILDING
 A7 SCALE: 1/8" = 1'-0"



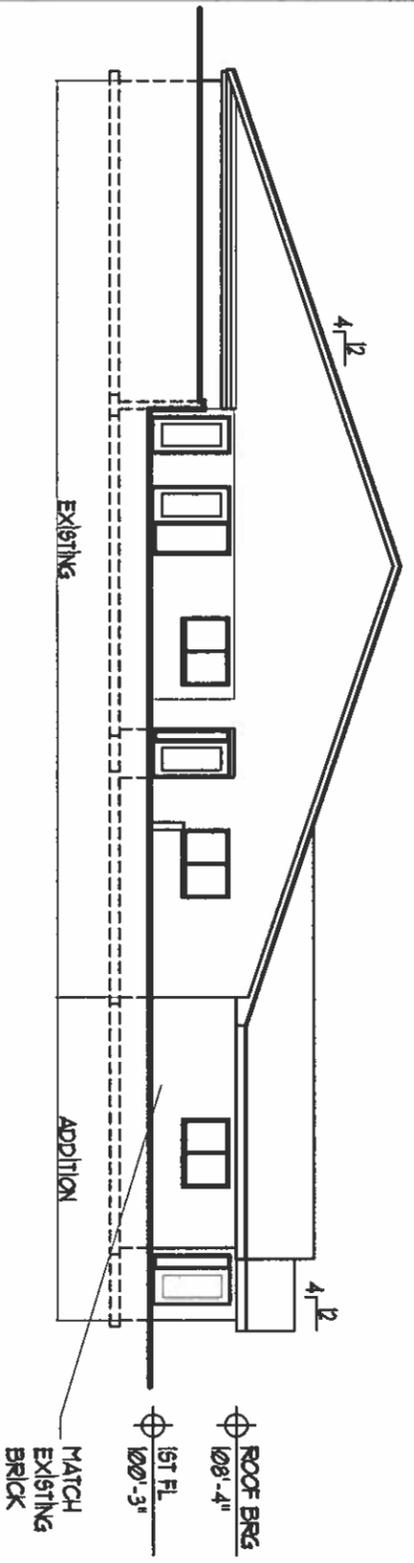
2 NORTH ELEVATION AT MAIN BUILDING
 A7 SCALE: 1/8" = 1'-0"



1 EAST ELEVATION AT MAIN BUILDING
 A8 SCALE: 1/8" = 1'-0"



3 VIEW AT TRAINING ROOM
 A8 SCALE: NTS

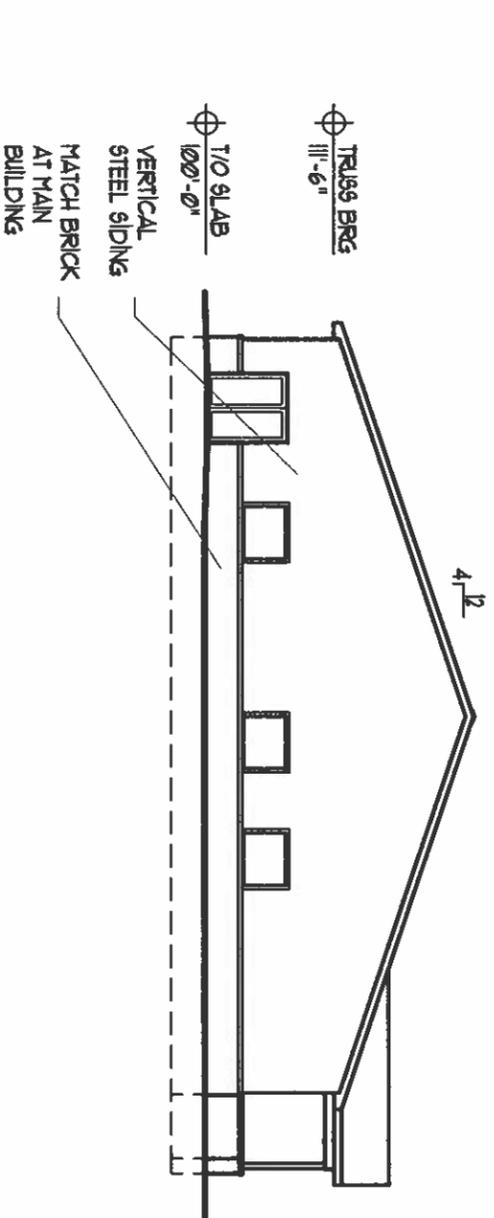
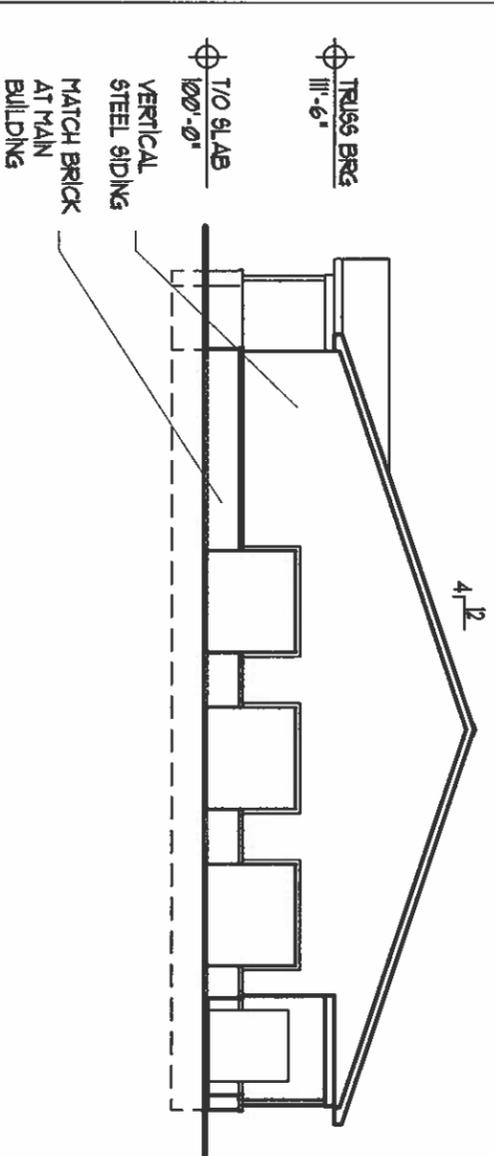
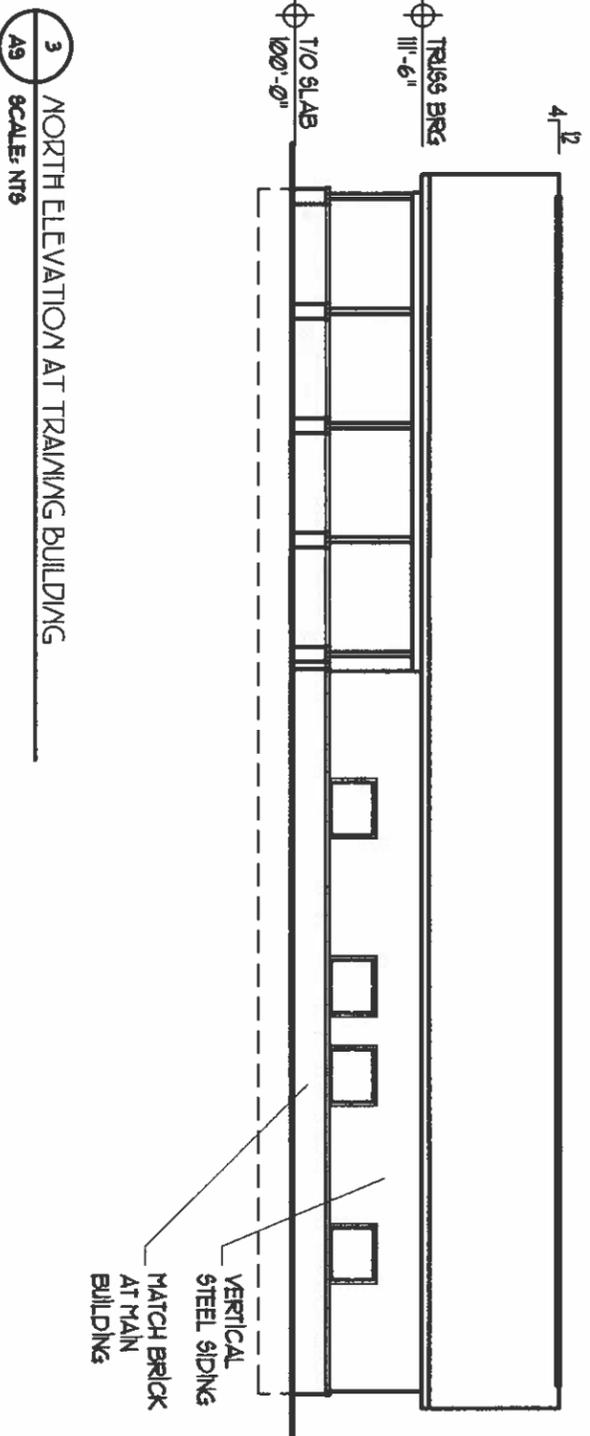
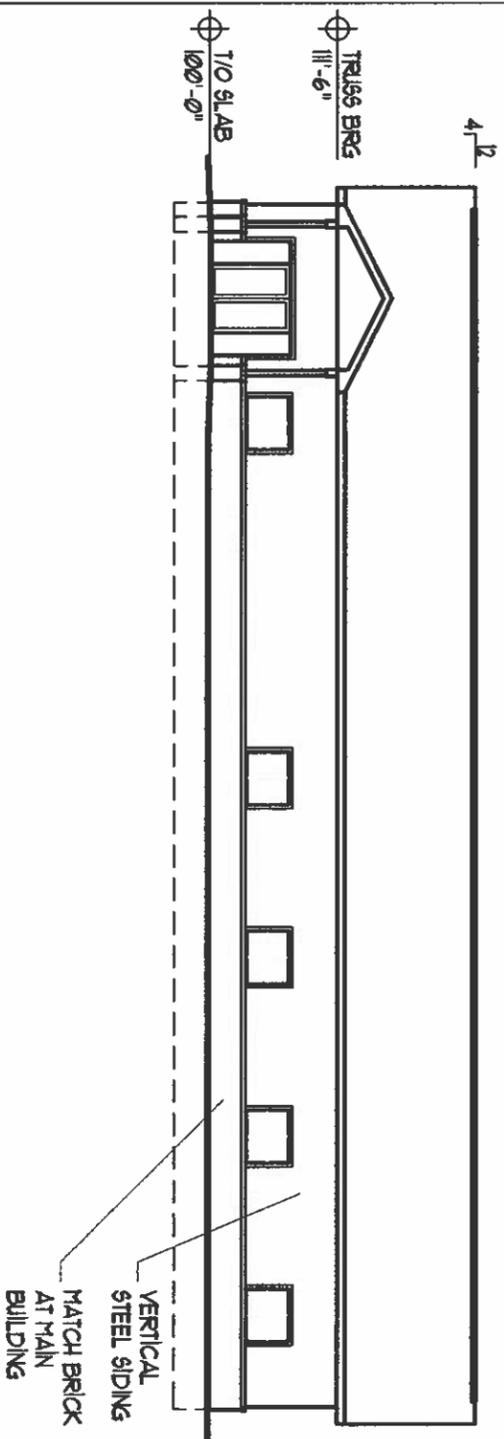


2 WEST ELEVATION AT MAIN BUILDING
 A8 SCALE: 1/8" = 1'-0"



4 VIEW AT TRAINING ROOM
 A8 SCALE: NTS

A8





1 RENDERING AT MAIN BUILDING ENTRY
A10 SCALE: NT8



2 RENDERING AT MAIN BUILDING
A10 SCALE: NT8

4 RENDERING AT MAIN BUILDING
A10 SCALE: NT8

A10



1 RENDERING AT TRAINING BUILDING
All SCALE: NT9

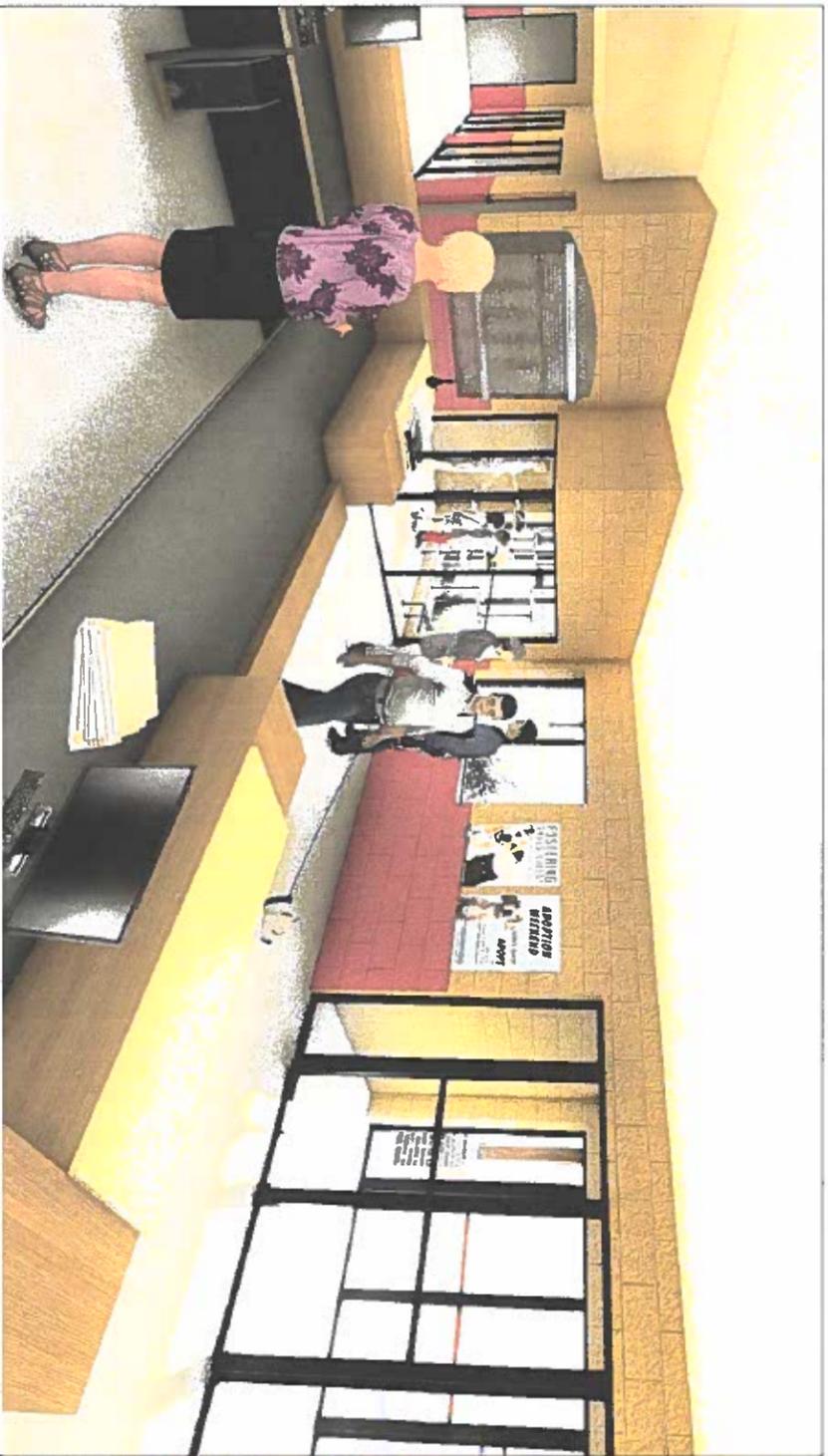


2 RENDERING AT TRAINING BUILDING
All SCALE: NT9

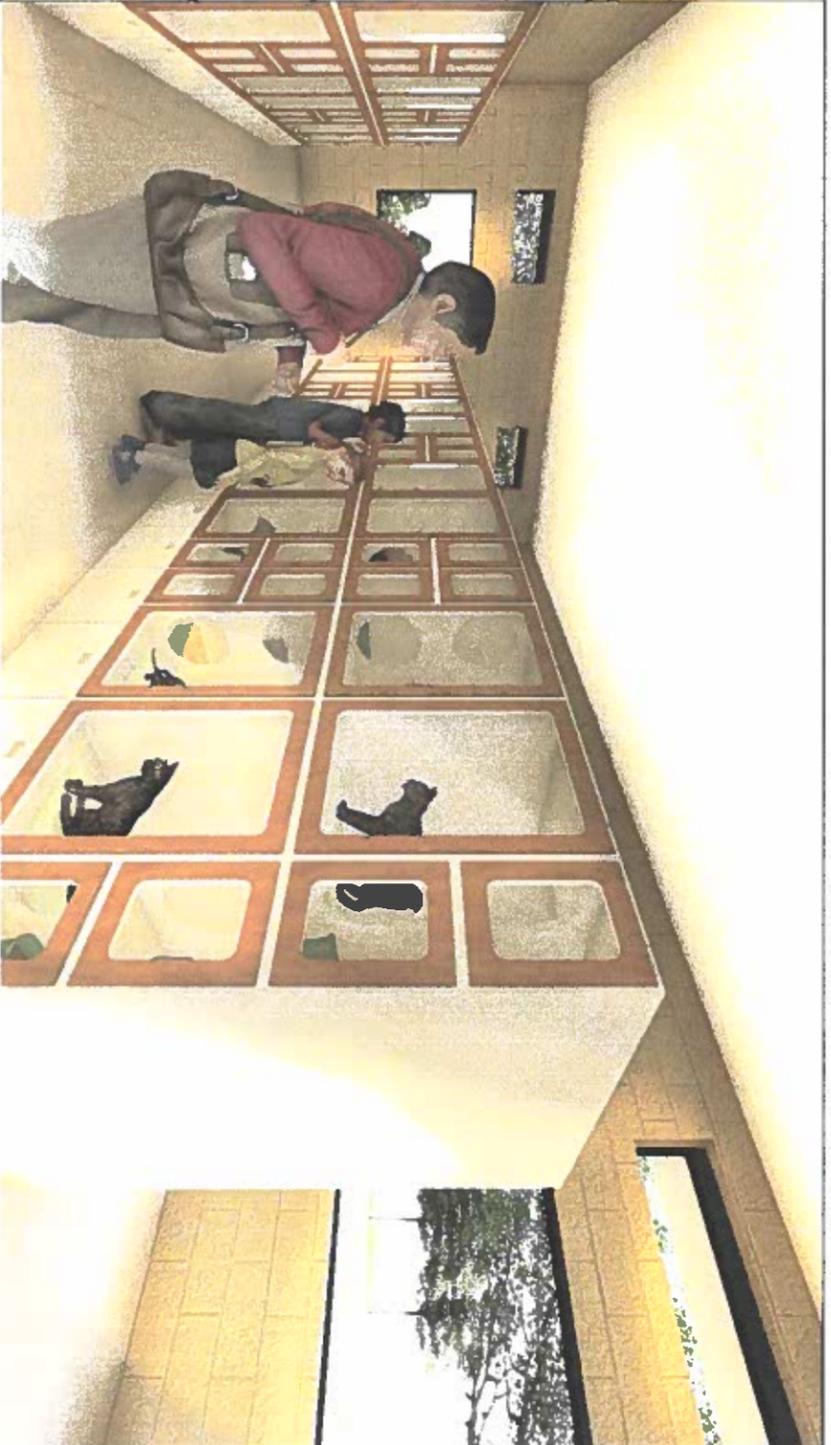


4 RENDERING AT TRAINING BUILDING
All SCALE: NT9

A11



1 VIEW AT MAIN LOBBY
A12 SCALE: NT9



3 VIEW AT CAT ADOPTION ROOM
A12 SCALE: NT9



2 VIEW AT COMMUNAL CAT ROOM
A12 SCALE: NT9



4 VIEW AT NEW SURGICAL SUITE
A12 SCALE: NT9

A12

GHR Engineers and Associates, Inc.

Mechanical and Electrical Consulting Engineers

Meeting Notes

August 25, 2020

7257 / 7261

Project Name: Security Camera and Master Control Systems Upgrade
Champaign County Courthouse / Juvenile Detention Center

Meeting Date: August 25, 2020

Meeting Time: 2:00 pm

Meeting Location: Web Meeting

Purpose of Meeting: Weekly Construction Meeting.

In attendance:

Randy Justin	Johnson Controls
Zach Roethlisberger	Johnson Controls
Lucas McGill	GHR

Topics discussed

Action by

1. General
 - a. LVS/D1 will be done with project after video surveillance portion of work is complete. Bryant Securities will be JCI's Subcontractor for the rest of the project - card reader wiring, PLC, etc.
2. Courthouse
 - a. Video surveillance is complete at the Courthouse.
 - b. Michelle has remote access to video management software.
 - c. OSSI and JCI to be on site on Thursday. LEM to review with Dana and Keith.
 - d. New Intercom is on JCI's radar - Dana to discuss with Michelle and Lucas and GHR to weigh in on needs of bollards.
 - e. Need card reader and card reader wiring submittal.
 - i. What is the reader being used? Zach to send over cut sheets for both reader types.

3. JDC
 - a. Camera wiring has been installed.
 - b. Camera install in progress.
 - c. GHR to review rack drawing shop ASAP.
 - d. Camera install to be complete by Friday - tentative.
4. Card Reader Wiring
 - a. Change order has been signed by GHR and Owner.
 - b. JCI to send change order back today with signature.
5. Pay Application
 - a. Pay application still in progress - should be out Friday.

Please review these notes and notify the author within seven days of any additions and/or corrections.

Meeting notes prepared by:

Lucas McGill

LEM/smh

cc: 7257 and 7261 Meeting Notes
All in Attendance
Dana Brenner - Champaign County - Facility Director
Matt Snyder - Johnson Controls

2020.08.25 Meeting Notes.LEM.wpd

GHR Engineers and Associates, Inc.

Mechanical and Electrical Consulting Engineers

Meeting Notes

September 1, 2020

7257 / 7261

Project Name: Security Camera and Master Control Systems Upgrade
Champaign County Courthouse / Juvenile Detention Center

Meeting Date: September 1, 2020

Meeting Time: 2:00 pm

Meeting Location: Web Meeting

Purpose of Meeting: Weekly Construction Meeting.

In attendance:

Dana Brenner	CCAS
Randy Justin	Johnson Controls
Zach Roethlisberger	Johnson Controls
Matt Snyder	Johnson Controls
Piotr Lewandowski	Johnson Controls
Lucas McGill	GHR

Topics discussed

Action by

1. Courthouse
 - a. Asked about removal of cameras with respect to existing ceiling holes.
 - i. County to replace ceiling tiles.
 - b. LEM to follow up with Jack about existing camera locations (how many ceiling tiles are needed and are there back boxes).
 - c. LEM and Dana to meet on site to locate intercom bollard.
 - i. Will need a concrete / steel protection bollard.
 - ii. Will discuss intercom wiring routing, too.
 - d. Would like to start phase 2 (door access, and PLC install) on September 14, 2020.
 - i. Two weeks at most for card reader wiring install.
 - ii. LEM and Dana to discuss phase 2 transition with Michelle.
 - e. LEM to review card reader shop drawings.

2. JDC
 - a. As of end of day Friday - all cameras (except ten) were installed. This is probably complete by today.
 - b. LEM to get power installed by end of this week or early next week.
 - c. Dana to discuss phase 2 transition with Keith again and respond to team.

3. Pay Application
 - a. Pay application has been reviewed (for pay application no. 1 and no. 2). Pay application no. 1 has been processed.

Please review these notes and notify the author within seven days of any additions and/or corrections.

Meeting notes prepared by:

Lucas McGill

LEM/smh

cc: 7257 and 7261 Meeting Notes
All in Attendance

2020.09.01 Meeting Notes.LEM.wpd

Champaign County Roof Damage - Hail Storm July 11. 2020

	<u>Replacement Cost</u>	<u>Actual Cash Value</u>	<u>Deductable</u>	<u>Net Claim</u>	<u>Depreciation</u>	<u>Net if Depreciation Recovered</u>
Animal Control	\$ 52,097.60	\$ 33,636.60	\$ 5,000.00	\$ 28,636.60	\$ 18,461.00	\$ 47,097.60
Brookens Administration Center	\$ 596,019.78	\$ 487,317.31	\$ 5,000.00	\$ 482,317.31	\$ 108,702.47	\$ 591,019.78
Courthouse	\$ 334,879.51	\$ 221,602.44	\$ 5,000.00	\$ 216,602.44	\$ 113,277.07	\$ 329,879.51
Highway Garage						
Highway Maintenance						
Highway Salt Brine Storage	\$ 1,967.02	\$ 1,911.62	\$ 1,911.42	\$ -	\$ 55.60	\$ -
Emergency Management Garage						
ILEAS	\$ 268,324.57	\$ 173,593.19	\$ 5,000.00	\$ 168,593.19	\$ 94,731.38	\$ 263,324.57
JDC	\$ 20,519.30	\$ 19,964.68	\$ 5,000.00	\$ 14,964.68	\$ (554.62)	\$ 15,519.30
METCAD	\$ 129,463.45	\$ 99,560.10	\$ 5,000.00	\$ 94,560.10	\$ 29,903.35	\$ 124,463.45
Physical Plant/Election/Coroner	\$ 311,484.56	\$ 278,829.54	\$ 5,000.00	\$ 273,829.54	\$ 32,655.02	\$ 306,484.56
Satellite Jail	\$ 62,451.74	\$ 23,481.74	\$ 5,000.00	\$ 18,481.74	\$ 38,970.00	\$ 57,451.74
Salt Dome	\$ 75,976.56	\$ 61,540.05	\$ 5,000.00	\$ 56,540.05	\$ 14,436.51	\$ 70,976.56
Sheriff's Garage	\$ 93,481.05	\$ 69,440.85	\$ 5,000.00	\$ 64,440.85	\$ 24,040.20	\$ 88,481.05
Sheriff's Office/Downtown Jail						
TOTALS	\$ 1,946,665.14	\$ 1,470,878.12	\$ 51,911.42	\$ 1,418,966.50	\$ 474,677.98	\$ 1,894,698.12

7321 Champaign County Administrative Services - Hail Damage

9.01.2020

Location of Equipment

- Brookens POD 100



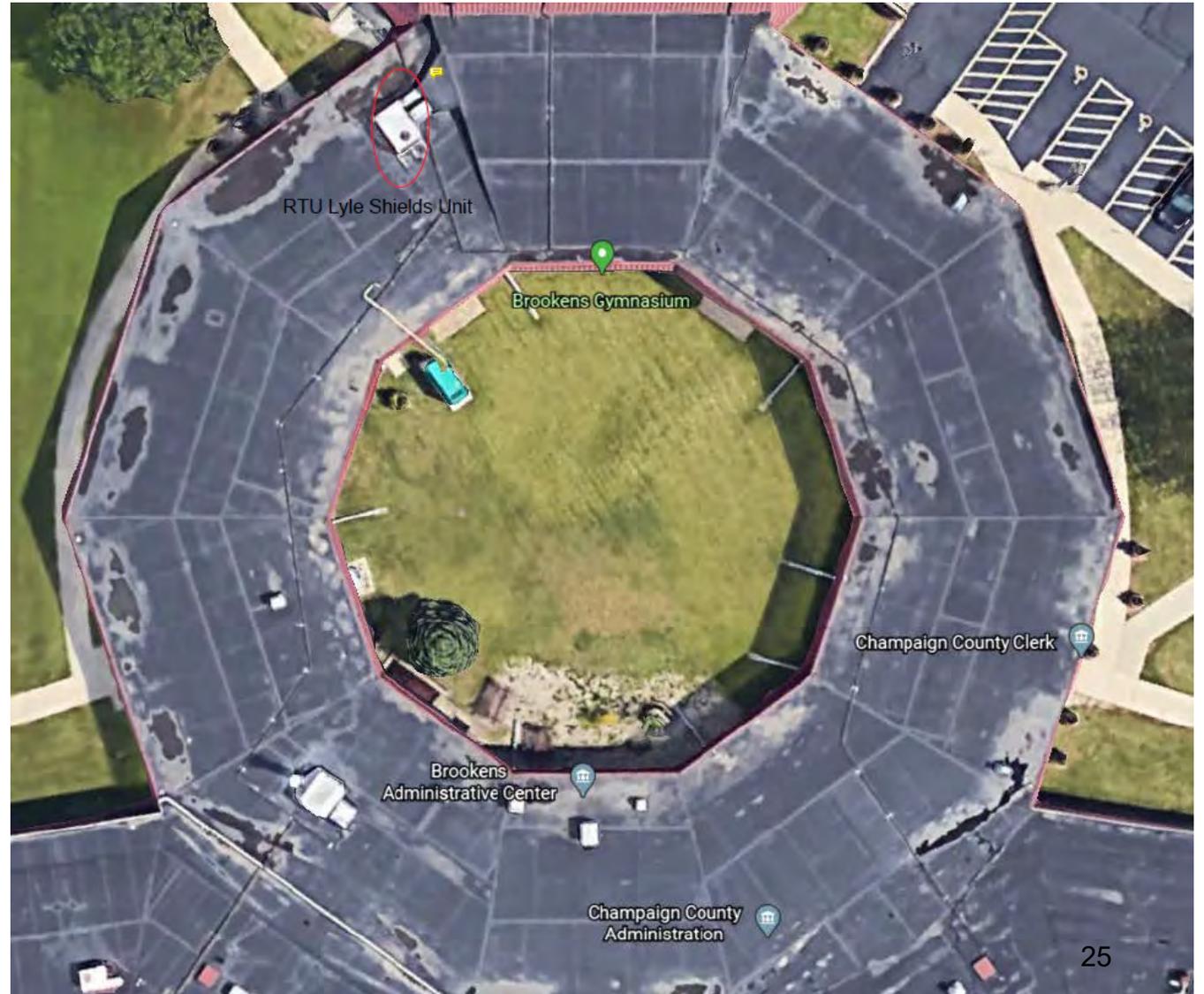
Location of Equipment

- Brookens POD 200



Location of Equipment

- Brookens POD 300



Location of Equipment

- Brookens POD 400



Location of Equipment

- JDC Roof



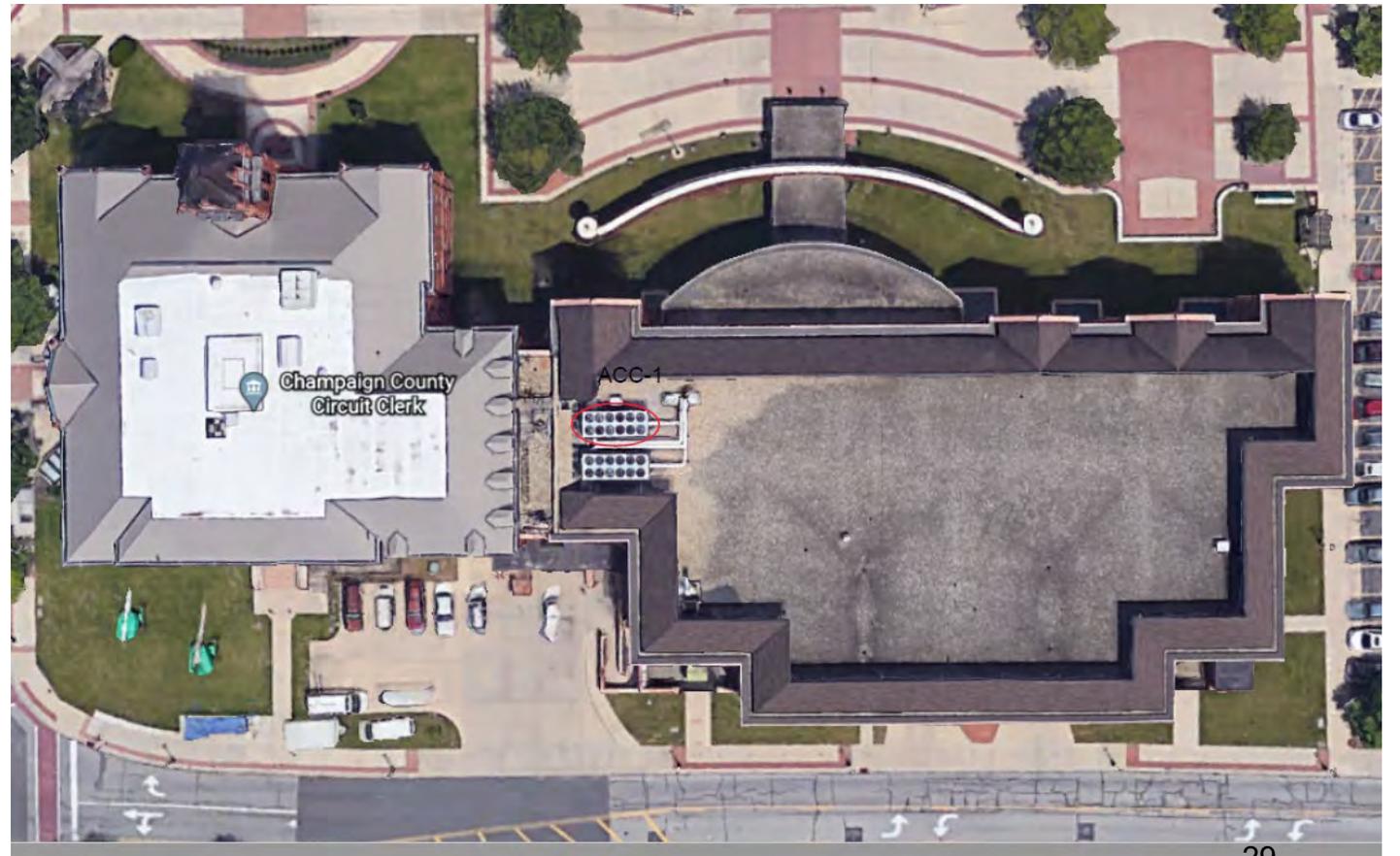
Location of Equipment

- Satellite Jail Roof



Location of Equipment

- Champaign County Courthouse



Location of Equipment

- METCAD



Damage Report on every
RTU on each Building

Photos of Damage

Brookens POD 100

- RTU-1
- 5-ton Trane RTU
- 30 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-2
- 10-ton Trane RTU
- 30 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-3
- 10-ton Trane RTU
- 30 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-4
- 10-ton Trane RTU
- 30 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-5
- 4-ton Lennox RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-6
- 5-ton Lennox RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-7
- 5-ton Lennox RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-9
- 7.5-ton Lennox RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 100

- RTU-10
- 4-ton Lennox RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 200

- Mental Health Condenser
- 7.5-ton York Condensing Unit
- 30 years old for which condenser coil cannot be obtained and evaporator coil must be replaced



Photos of Damage

Brookens Ground Level

- ACC-1
- 90-ton Carrier Chiller
- No combing of coils necessary



Photos of Damage

Brookens Ground Level

- ACC-2
- 100-ton Carrier Chiller
- No combing of coils necessary



Photos of Damage

Brookens POD 300

- RTU Lyle Shields Unit
- 10-ton Trane RTU
- 28 years old for which replacement condenser coil cannot be obtained



Photos of Damage

Brookens POD 400

- RTU-1
- 5-ton Carrier RTU
- ~30 years old for which replacement condenser cannot be obtained



Photos of Damage

Brookens POD 400

- RTU-2
- 5-ton Carrier RTU
- ~30 years old for which replacement condenser cannot be obtained



Photos of Damage

Brookens POD 400

- RTU-3
- 6-ton Carrier RTU
- ~30 years old for which replacement condenser cannot be obtained



Photos of Damage

Brookens POD 400

- RTU-4
- 12.5-ton Carrier RTU
- ~1 year old unit where damage is to the point that a replacement unit is necessary



Photos of Damage

Brookens POD 400

- RTU-5
- 6-ton Carrier RTU
- ~30 years old for which replacement condenser cannot be obtained



Photos of Damage

Brookens POD 400

- RTU-6
- 6-ton Carrier RTU
- ~30 years old for which replacement condenser cannot be obtained



Photos of Damage

JDC Roof

- RTU-1
- 4-ton AAON RTU
- Replacement of condenser coil necessary



Photos of Damage

JDC Roof

- RTU-2
- 25-ton AAON RTU
- Replacement of condenser coil necessary



Photos of Damage

JDC Roof

- RTU-3
- 15-ton AAON RTU
- Replacement of condenser coil necessary



Photos of Damage

JDC Roof

- RTU-4
- 16-ton AAON RTU
- Replacement of condenser coil n



Photos of Damage

JDC Roof

- RTU-1
- 16-ton AAON RTU
- Replacement of condenser coil necessary



Photos of Damage

Satellite Roof

- ACCU-1
- 70-ton Carrier ACCU
- Replacement of condenser coil necessary



Photos of Damage

Satellite Roof

- ACCU-2
- 70-ton Carrier ACCU
- Replacement of condenser coil necessary



Photos of Damage

Satellite Roof

- ACCU-3
- 70-ton Carrier ACCU
- Replacement of condenser coil necessary



Photos of Damage

Satellite Roof

- ACCU-4
- 70-ton Carrier ACCU
- Replacement of condenser coil necessary



Photos of Damage

Satellite Roof

- ACCU-5
- 3-ton Data Aire Condenser
- 24 years old for which condenser coil cannot be replaced



Photos of Damage

Courthouse Roof – North Side

- ACC-1
- 200-ton Trane Chiller
- Condenser coils too damaged to comb out; condenser coil replacement necessary



Photos of Damage

METCAD Roof

- Trane Split System Heat Pump
- Condenser coil replacement necessary



Photos of Damage

METCAD Roof

- 5-ton Vertiv ACCU
- Condenser Coil Replacement Necessary



POD 100 Budget Estimate (1/2)

POD 100	
5-ton Trane RTU-1 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 5 Ton R-410A PKGD Unitary Gas/Electric Trane Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	4121
TOTAL:	\$9,721
10-ton Trane RTU-2 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$1,300
Installation Cost:	\$1,700
Reconnect ductwork, gas, power and controls:	\$2,000
Test & Balance Cost:	\$800
New 10 Ton R-410A PKGD Unitary Gas/Electric Trane Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	8241
TOTAL:	\$14,841
10-ton Trane RTU-3 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$1,300
Installation Cost:	\$1,700
Reconnect ductwork, gas, power and controls:	\$2,000
Test & Balance Cost:	\$800
New 10 Ton R-410A PKGD Unitary Gas/Electric Trane Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	8241
TOTAL:	\$14,841
10-ton Trane RTU-4 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$1,300
Installation Cost:	\$1,700
Reconnect ductwork, gas, power and controls:	\$2,000
Test & Balance Cost:	\$800
New 10 Ton R-410A PKGD Unitary Gas/Electric Trane Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	8241
TOTAL:	\$14,841
4-ton Lennox RTU-5 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 4 Ton Unitary Gas/Electric Lennox Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	8430
TOTAL:	\$14,030

POD 100 Budget Estimate (2/2)

5-ton Lennox RTU-6 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 4 Ton Unitary Gas/Electric Lennox Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	10538
TOTAL:	\$16,138
5-ton Lennox RTU-7 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 5 Ton Unitary Gas/Electric Lennox Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	10538
TOTAL:	\$16,138
RTU-8: Not damaged	
7.5-ton Lennox RTU-9 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$1,000
Installation Cost:	\$1,400
Reconnect ductwork, gas, power and controls:	\$1,900
Test & Balance Cost:	\$800
New 7.5 Ton Unitary Gas/Electric Lennox Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	15810
TOTAL:	\$21,710
4-ton Lennox RTU-10 (Replace RTU)	
Crane cost (shared for POD 100)	\$800
Disconnect duct, gas, power and controls:	\$800
Installation Cost:	\$1,200
Reconnect ductwork, gas, power and controls:	\$1,400
Test & Balance Cost:	\$800
New 4 Ton Unitary Gas/Electric Lennox Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	8430
TOTAL:	\$13,430
POD 100 TOTAL:	\$135,690

POD 400 Budget Estimate (1/2)

POD 400	
5-ton Carrier RTU-1 (Replace RTU)	
Shared Crane Cost for POD 400:	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 5 Ton Unitary Gas/Electric Carrier Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	6636
TOTAL:	\$12,236
5-ton Carrier RTU-2 (Replace RTU)	
Shared Crane Cost for POD 400:	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,500
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 5 Ton Unitary Gas/Electric Carrier Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	6636
TOTAL:	\$12,236
6-ton Carrier RTU-3 (Replace RTU)	
Shared Crane Cost for POD 400:	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,800
Reconnect ductwork, gas, power and controls:	\$1,800
Test & Balance Cost:	\$800
New 6 Ton Unitary Gas/Electric Carrier Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	\$8,294
TOTAL:	\$14,394
12.5-ton Carrier RTU-4 (Replace RTU)	
Shared Crane Cost for POD 400:	\$800
Disconnect duct, gas, power and controls:	\$2,400
Installation Cost:	\$2,400
Reconnect ductwork, gas, power and controls:	\$2,600
Test & Balance Cost:	\$800
New 12.5 Ton Unitary Gas/Electric Carrier Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	\$16,583
TOTAL:	\$25,583
6-ton Carrier RTU-5 (Replace RTU)	
Shared Crane Cost for POD 400:	\$800
Disconnect duct, gas, power and controls:	\$900
Installation Cost:	\$1,600
Reconnect ductwork, gas, power and controls:	\$1,600
Test & Balance Cost:	\$800
New 6 Ton Unitary Gas/Electric Carrier Rooftop Unit + 10% (note: prorated from lump sum based on tonnage of each unit)	\$8,294
TOTAL:	\$13,994

JDC Budget Estimate (1/2)

JDC	
4-ton AAON RTU-1 (Replace Condenser)	
Evacuate Refrigerant Cost:	\$400
Remove Condenser Coil Cost:	\$800
Crane Cost (one at a time):	\$1,500
Install Cost:	\$1,800
Recharge w/ Refrigerant Cost:	\$800
Startup Cost:	\$1,000
Remove and Replace Condenser Fans:	\$700
Replacement Condenser Coil Cost +10%:	\$1,522
Replacement Condenser Fan Motor Cost +10%:	\$259
Replacement Condenser Fan Blade Cost +10%:	\$73
TOTAL:	\$8,854
25-ton AAON RTU-2 (Replace Condenser)	
Evacuate Refrigerant Cost:	\$1,200
Remove Condenser Coil Cost:	\$1,500
Crane Cost (one at a time):	\$1,500
Install Cost:	\$2,800
Recharge w/ Refrigerant Cost:	\$1,400
Startup Cost:	\$1,000
Remove and Replace Condenser Fans:	\$1,200
Replacement Condenser Coil Cost +10%:	\$5,376
Replacement Condenser Fan Motor Cost +10%:	\$302
Replacement Condenser Fan Blade Cost +10%:	\$86
TOTAL:	\$16,364
15-ton AAON RTU-3 (Replace Condenser)	
Evacuate Refrigerant Cost:	\$1,100
Remove Condenser Coil Cost:	\$1,400
Crane Cost (one at a time):	\$1,500
Install Cost:	\$2,400
Recharge w/ Refrigerant Cost:	\$1,100
Startup Cost:	\$1,000
Remove and Replace Condenser Fans:	\$1,000
Replacement Condenser Coil Cost +10%:	\$5,174
Replacement Condenser Fan Motor Cost +10%:	\$302
Replacement Condenser Fan Blade Cost +10%:	\$86
TOTAL:	\$15,062

Satellite Budget Estimate (1/3)

Satellite Jail	
70-ton Carrier ACCU-1 (Replace R-22 Condenser and Evaporator Coil)	
Jail to relocate prisoners system by system	-
Evacuate and reclaim R-22 refrigerant	\$1,200
Disconnect power and controls and the ACCU	\$600
Remove existing R-22 evaporator coil	\$2,300
Remove existing R-22 refrigerant piping	\$1,000
Modify existing roof nails to accept new ACCU, WAG	\$1,000
Remove existing ACCU and put new ACCU	\$2,400
Crane change, long pick	\$1,500
Material cost and swap coil and ACCU (quote) + 5%	\$51,000
Install new evaporator coil (difficult access)	\$4,000
Allow for duct mods and re-insulation	\$3,000
New refrigerant piping and accessories. Long sum (do not duplicate)	15,000
Refrigerant piping installation	\$3,500
Refrigerant connections both ends including specialties	\$1,200
Pump down and change the system	\$2,000
Power connection to ACCU	\$900
Revise/reconnect existing pneumatic controls. WAG	\$5,000
Inside test and balance (One unit at a time)	\$1,200
Misc 5%	\$4,700
TOTAL:	\$101,500
70-ton Carrier ACCU-2 (Replace R-22 Condenser and Evaporator Coil)	
Jail to relocate prisoners system by system	-
Evacuate and reclaim R-22 refrigerant	\$1,200
Disconnect power and controls and the ACCU	\$600
Remove existing R-22 evaporator coil	\$2,300
Remove existing R-22 refrigerant piping	\$1,000
Modify existing roof nails to accept new ACCU, WAG	\$1,000
Remove existing ACCU and put new ACCU	\$2,400
Crane change, long pick	\$1,500
Material cost and swap coil and ACCU (quote) + 5%	\$51,000
Install new evaporator coil (difficult access)	\$4,000
Allow for duct mods and re-insulation	\$3,000
New refrigerant piping and accessories. Long sum (do not duplicate)	
Refrigerant piping installation	\$3,500
Refrigerant connections both ends including specialties	\$1,200
Pump down and change the system	\$2,000
Power connection to ACCU	\$900
Revise/reconnect existing pneumatic controls. WAG	\$5,000
Inside test and balance (One unit at a time)	\$1,200
Misc 5%	\$4,700
TOTAL:	\$86,500

Satellite Budget Estimate (2/3)

70-ton Carrier ACCU-3 (Replace R-22 Condenser and Evaporator Coil)	
Jail to relocate prisoners system by system	-
Evacuate and reclaim R-22 refrigerant	\$1,200
Disconnect power and controls and the ACCU	\$600
Remove existing R-22 evaporator coil	\$2,300
Remove existing R-22 refrigerant piping	\$1,000
Modify existing roof nails to accept new ACCU, WAG	\$1,000
Remove existing ACCU and put new ACCU	\$2,400
Crane change, long pick	\$1,500
Material cost and swap coil and ACCU (quote) + 5%	\$51,000
Install new evaporator coil (difficult access)	\$4,000
Allow for duct mods and reinsulation	\$3,000
New refrigerant piping and accessories. Long sum (do not duplicate)	
Refrigerant piping installation	\$3,500
Refrigerant connections both ends including specialties	\$1,200
Pump down and change the system	\$2,000
Power connection to ACCU	\$900
Revise/reconnect existing pneumatic controls. WAG	\$5,000
Inside test and balance (One unit at a time)	\$1,200
Misc 5%	\$4,700
TOTAL:	\$86,500
70-ton Carrier ACCU-3 (Replace R-22 Condenser and Evaporator Coil)	
Jail to relocate prisoners system by system	-
Evacuate and reclaim R-22 refrigerant	\$1,200
Disconnect power and controls and the ACCU	\$600
Remove existing R-22 evaporator coil	\$2,300
Remove existing R-22 refrigerant piping	\$1,000
Modify existing roof nails to accept new ACCU, WAG	\$1,000
Remove existing ACCU and put new ACCU	\$2,400
Crane change, long pick	\$1,500
Material cost and swap coil and ACCU (quote) + 5%	\$51,000
Install new evaporator coil (difficult access)	\$4,000
Allow for duct mods and reinsulation	\$3,000
New refrigerant piping and accessories. Long sum (do not duplicate)	
Refrigerant piping installation	\$3,500
Refrigerant connections both ends including specialties	\$1,200
Pump down and change the system	\$2,000
Power connection to ACCU	\$900
Revise/reconnect existing pneumatic controls. WAG	\$5,000
Inside test and balance (One unit at a time)	\$1,200
Misc 5%	\$4,700
TOTAL:	\$86,500

POD 100 Hail Guard Budget Estimate

POD 100	
5-ton Trane RTU-1	
Labor:	\$500
Hail Guards	\$1,056
10-ton Trane RTU-2	
Labor:	\$600
Hail Guards	\$1,056
10-ton Trane RTU-3	
Labor:	\$600
Hail Guards	\$1,056
10-ton Trane RTU-3	
Labor:	\$600
Hail Guards	\$1,056
10-ton Trane RTU-4	
Labor:	\$600
Hail Guards	\$1,056
4-ton Lennox RTU-5	
Labor:	\$450
Hail Guards	\$250
5-ton Lennox RTU-6	
Labor:	\$500
Hail Guards	\$250
5-ton Lennox RTU-7	
Labor:	\$500
Hail Guards	\$250
RTU-8: Not damaged	
7.5-ton Lennox RTU-9	
Labor:	\$550
Hail Guards	\$250
4-ton Lennox RTU-10	
Labor:	\$450
Hail Guards	\$250
Total:	\$11,880

