

Rock Island Preservation Commission

Meeting Date: Wednesday, August 25, 2010

Regular Meeting Begins 4:00 p.m.

**Personnel Conference Room
Basement, Rock Island City Hall**

MEETING AGENDA

1. Call to Order
2. Roll Call
3. Approval of the Minutes of the July 28, 2010 Regular Meeting
4. Revised Section 106 Review for 600 11th Avenue, which is also known as Thurgood Marshall School (formerly Grant School)
5. Recap of Weatherization and Energy Efficiency Seminar
6. Update on 2009 CLG Grant: Lincoln School Mothballing
7. Looney Epitaphs at Chippiannock Cemetery – Saturday, August 28
8. Highland Park Historic District Tour by RIPS – Tuesday, Sept. 21
9. Ideas for 2011 CLG Grant
 - A. Reproduction & Update of Picturesque Tri Cities (submitted by Carolyn/Ardo Holmgrain)
10. Other Business
11. Adjournment



**UNAPPROVED MINUTES OF THE
ROCK ISLAND PRESERVATION COMMISSION**

Regular Meeting

4:00 p.m.

July 28, 2010

Location: Personnel Conference Room, Rock Island City Hall, 1528 3rd Avenue, Rock Island, IL

Attendance: (X) Present () Absent

() Steve Andich

(X) Bob Braun

(X) Lendol Calder

(X) David Cordes

(X) Kent Cornish

() Jane Koski

(X) Mark McVey

(X) John Strieter

(X) Stephen Warren

() Jeff Dismer (Assoc.)

(X) Daryl Empen (Assoc.)

() Diane Oestreich (Assoc.)

(X) Linda Anderson (Assoc.)

Staff Present: Alan Carmen, Jill Doak, Ellen Adams

Others Present: Jaime Bramer, Ava Ketter, Brian Hollenback

Chairman Braun called the meeting to order at 4:05 p.m.

Approval of Minutes of the June 23, 2010 Regular Meeting

Commissioner Strieter moved to approve the minutes of the June 23, 2010 regular meeting.

Commissioner McVey seconded the motion, and it passed unanimously.

Case #2010-05 – Consideration of a Certificate of Appropriateness for 1718 21st Street, which is also known as the Ardo-Mitchell House in Highland Park Historic District.

Ms. Adams gave the staff report. She said staff recommended the Commission approve the Certificate of Appropriateness to remove and replace the wood window sash from eight third floor windows with custom made wood windows to match because the request meets the standards of the *Residential Design Guidelines* regarding window replacement. Staff also recommended imposing a 1 year time frame in which reinstallation of new windows must be complete.

Commissioner Strieter asked if storm windows will be installed.

Associate member Anderson replied that their long term plan is to have storm windows installed throughout the house. She added that the speaker at a workshop she recently attended said that there is not a window that cannot be repaired if you are willing to spend the time and money to do so. However, due to the extensive squirrel damage she feels it is best to have the windows replaced.

Commissioner Strieter asked what caused the squirrel damage.

Associate member Anderson explained that a squirrel entered the attic and could not find its way out, and chewed muntins.

Commissioner Cornish moved to accept staff recommendation regarding the Certificate of Appropriateness application.

Commissioner Cordes seconded the motion, and it passed unanimously.

Chairman Braun inquired about Ill Gables, the company completing the interior restoration of the maid's quarters on the home.

Associate member Anderson replied that it is a small local company owned by former Broadway resident Lucy Hotchkiss.

Case #2010-06 – Consideration of a Certificate of Appropriateness for 848 20th Street, which is also known as the Hansgen House.

Ms. Adams gave the staff report. She said staff recommends the Commission approve the Certificate of Appropriateness to replace the damaged door with a custom milled door with no window. The design of the new door is based on that of the old door and will not take away from the historic character of the house.

Commissioner Cornish asked for clarification on the new door panels.

Ms. Ketter explained that the three panels on the bottom of the damaged door will be repeated in place of the window, so that the door will have six panels.

Commissioner Cordes stated that often utility doors of houses built during this period were solid wood panel doors. Around 1900, it was common for door panels to be cut out and replaced with glass. It is likely that the house, built in 1874, originally had a solid wood door.

Commissioner McVey stated concern over the language of "improved security" as a reason for approving the new door. This could allow people to use that argument for things other than doors.

Ms. Doak suggested that when the motion is made, it does not include comments related to security, only those related to the appropriateness of the door.

Commissioner Cordes moved to approve the replacement door as described because the request for the alteration is reasonable and will not take away from the historic character of the house or neighborhood.

Commissioner Calder seconded the motion, and it was approved unanimously.

Case #2010-07 – Consideration of a Certificate of Appropriateness for 1703 21st Street, which is located in Highland Park Historic District.

Ms. Adams gave the staff report. She said staff recommends the Commission approve the removal of an existing French gothic picket fence with a similarly designed higher fence with smaller picket spacing. The proposed fence is appropriately designed and will not negatively impact the historic fabric of the property or neighborhood.

Commissioner Cornish moved to accept the staff recommendation regarding the Certificate of Appropriateness.

Commissioner McVey seconded the motion, and it passed unanimously.

CLG Grant Update

Ms. Doak passed around the Weatherization Workshop flyer to Commissioners. 2,000 were printed and 1,900 brochures will be mailed. Watch Hill, Park View, 1918 Government Housing, and Bel Air addresses, as well as significant structures that did not make the MoSUS list, were added to the mailing list. Course descriptions in the flyer are based on information speakers provided.

Ms. Doak explained that the order of speakers for the residential track will be: Windows with Bob Yapp, Insulation and Quick Fixes with Tom Ayers, Energy Audit with Richard Walker and Les Wilson, and Mechanical Systems with Yapp. Mr. Yapp agreed to speak on mechanical systems since engineers from KJWW were not comfortable talking on this subject for historic residential properties. The non-residential track order will be: Insulation and Quick Fixes with Ayers, Energy Audit with Wilson and Walker, Windows with Yapp, and Mechanical Systems with Phillip Richards. Lunch speaker will be Bob Weigel.

Ms. Doak requested available commissioners to help the day of the event. Volunteers will be needed to sit at the registration table, moderate tracks, and guide tours if necessary. Quarters One will be open for attendees to explore and take self-guided tours.

Chairman Braun agreed to do the welcome address. Commissioners McVey, Cornish, Cordes, and Empen volunteered for any help that is needed. Anyone else who can volunteer should notify Ms. Doak.

Ms. Doak stated that she expects around 50 people to register. There will likely be a room with auditorium-style seating for the welcome address and a separate room with round tables for each track. The luncheon will be at the Arsenal Golf Club.

Commissioner Cordes volunteered to print off online materials on the Quarters One rehab, which include drawings and floor plans.

Chairman Braun stated that the Arsenal put together a brochure on Quarters One. Ms. Doak will inquire about the brochure.

Ms. Doak explained that the \$16.35 charge is for lunch, which was higher than expected. Online registration will not be possible; it would add a \$3 charge. In the future, a PayPal agreement will be looked into.

Commissioner Empen stated that for the Broadway Tour of Homes, only one person paid using PayPal.

Ms. Doak added that the workshop postcard was sent to Iowa Main Street and Iowa CLGs. Many have responded requesting more information. She feels it will be good to have people from other communities.

Commissioner Cordes asked if any information went to the Iowa State Historic Preservation Office.

Ms. Doak said that the flyer will be emailed so that it can be forwarded.

Comment on Final PUD Amendment for Jackson Square, which is also known as the Illinois Oil Products Building

Mr. Carmen gave the report. He explained that there were only two changes since the preliminary plan review. The number of parking spaces has increased and there will be a project sign parallel to 4th Avenue between the two entrances to the property so that passerby will be informed of the project. Site plan and details of construction have not changed. GROWTH is now the owner of the property. They have begun cleanup and landscaping improvements. Environmental action will be taken in the near future.

Commissioner Calder inquired about the lighting diagram in the agenda packet. Mr. Carmen explained that it identifies where lighting poles are and the throw and intensity of the lights. There is a requirement that no more than 1 foot-candle of light be present at the property line in order to minimize spillover light.

Commissioner Strieter asked if lighting will be LED.

Mr. Carmen and Mr. Hollenback were unsure.

Mr. Hollenback announced that the ground breaking will probably take place in mid-September. He thanked the Commission for providing comments on the Neighborhood Stabilization Program infill housing plans.

Commissioner Cordes made a motion that the Commission comment favorably to the Planning Commission regarding the final PUD along with the variance needed for additional parking spaces.

Commissioner Calder seconded the motion.

Associate member Anderson stated her support for the two step review process. She feels it is very important for historic buildings and areas because once plans are passed, that is the development that we are left with. She is glad that the Commission is allowed to participate in the review process. She encouraged the Commission to study project details carefully so that they know what they are agreeing to while they have the opportunity to comment.

The motion to comment favorably passed unanimously.

Commissioner Cordes asked Mr. Hollenback the origin of the Jackson Square name.

Mr. Hollenback explained that the Jackson family owned the Illinois Oil Company and the building for several decades.

Looney Epitaphs at Chippiannock Cemetery

Ms. Doak showed the Commission the poster publicizing the Saturday, August 28th event. She explained why the Commission is helping with the event: The idea for the epitaphs came from a Commissioner in 1994. The Commission has since co-sponsored the event, though it has not taken place for five years. The Chippiannock Cemetery Heritage Foundation has now matured enough to be able to support the event alone.

Ms. Doak expects that event will draw a large crowd due to the popularity of the Looney story. Because of this, volunteers will be needed. The event is from 1 to 3 p.m. and volunteers will be needed between noon and 4 p.m. to man the ticket and concessions tables and guide tours. If interested in volunteering, let Jill know and Greg Vogeles will contact you. Greg can be contacted directly at 788.6622. Mr. Vogeles is grateful for Commissioners' help and will place them where they feel most comfortable.

Associate member Anderson told the Commission that the event is a lot of fun to work. She explained that guides simply walk small groups from gravesite to gravesite. Little talking is involved.

Ms. Doak said that there will be 10 characters instead of the usual 16. The vignettes were written by Dick Stahl, the first Quad Cities Poet Laureate. He also wrote a poem for the epitaphs which he will read at the beginning of the event.

Other Business

Chairman Braun asked if anyone knew anything about the First Church of Christ Scientist and the Immanuel Lutheran Church buildings, which have supposedly been sold.

Mr. Carmen stated that no zoning action, permit, or other work is currently being done on the First Church of Christ Scientist building. The roof is in disrepair, so there is concern that the interior will be damaged. Immanuel Lutheran has broken ground on their new church at 24th Street and 33rd Avenue.

Commissioner Cornish said that Immanuel Lutheran's intention is to use some of the glass from the old building in the new church. He heard that Immanuel Lutheran just wants to get rid of their old building.

Mr. Carmen added that it is difficult to find good reuse options for old religious buildings.

Commissioner Warren stated that a large part of the 10-acre Rock Island Center for Math and Science property is in disarray. He feels that the chain link fence between 21st and 22nd Streets along 16th Avenue should be removed because it is unsightly and serves little purpose. He hopes that the School District will take better care of the property.

Associate member Anderson asked if the City is planning on repairing the brick street that was torn up during construction of RICMS.

Mr. Carmen stated that it will be repaired, using brick.

There being no further business, the Commission adjourned at 5:10 p.m.

Respectfully submitted,

Alan Carmen, Secretary
Rock Island Preservation Commission

REPORT

TO: Preservation Commission

FROM: Jill Doak, Urban Planner II
Alan M. Carmen, Planning & Redevelopment Administrator

DATE: August 16, 2010

SUBJECT: Comment on Revised Section 106 Review for 600 11th Avenue

When telecommunications antennae are placed atop a building, the federal licensing action triggers comments by the State Historic Preservation Office (SHPO) under the auspices of the National Historic Preservation Act of 1966 and its implementing regulations in 36 CFR 800: "Protection of Historic Properties." The Illinois Historic Preservation Agency's (IHPA) Review & Compliance Division completes the Section 106 Review. For the original Section 106 review, and this revision, IHPA has requested the Rock Island Preservation Commission (as a Certified Local Government) comment on the proposed project.

Background on Section 106

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires Federal agencies to take into account the effects of their undertakings on historic properties, and afford the Advisory Council on Historic Preservation a reasonable opportunity to comment.

If the agency's undertaking could affect historic properties, the agency determines the scope of appropriate identification efforts and then proceeds to identify historic properties in the area of potential effects. The agency reviews background information, consults with the SHPO and others, seeks information from knowledgeable parties, and conducts additional studies as necessary. Districts, sites, buildings, structures, and objects listed in the National Register are considered; unlisted properties are evaluated against the National Park Service's published criteria, in consultation with the SHPO. If questions arise about the eligibility of a given property, the agency may seek a formal determination of eligibility from the National Park Service. Section 106 review gives equal consideration to properties that have already been included in the National Register as well as those that have not been so included, but that meet National Register criteria. If the agency finds that no historic properties are present or affected, it provides documentation to the SHPO and, barring any objection in 30 days, proceeds with its undertaking. If the agency finds that historic properties are present, it proceeds to assess possible adverse effects, which are then negotiated and mitigated between concerned parties.

Local Consultation

Usually concurrently with a review, IHPA also notifies the consultants that comments of the Rock Island Preservation Commission are desired. Public involvement is a key ingredient in successful Section 106 consultation, and the views of the public should be solicited and considered throughout the process. While a public hearing is not necessary, the local consultation is part of a published agenda and discussion by those knowledgeable about the building and its context.

Conclusions of Previous Section 106 Review

The Preservation Commission and IHPA conducted a Section 106 review in January and February, 2010, respectively. After review of the historic significance of 600 11th Avenue, which is the current Thurgood Marshall School and previously was known as Grant School, it was determined that the building could be eligible for the National Register. The request was to place antennae on top of the building. These antennae were to be approximately six feet tall, extending about four feet above the existing parapet. The antennae were to be placed on apparatus that resembled football tackling sleds in three locations surrounding the central chimney on the oldest part of the building, facing the north, south and east. It was determined only a small portion of the antennae will be visible from ground level. The surrounding neighborhood consists of one and a half story residences, none so tall that they would have a very good view of the school's roof. In addition, no historic fabric was to be disturbed with the installation of the antennae and they could easily be removed. A small compound area was to be established on the east side of the building, in the recessed space next to the south addition. The mechanicals in this area were to be surrounded by a fence and conduit will run up the wall to the antennae on the roof. It was determined the location was fine because it was not the primary façade and was in a recessed area.

The Preservation Commission commented to IHPA that there would be "No Adverse Effect" for installation of antennae of the style previously proposed at 600 11th Avenue. IHPA concurred with the determination of "No Adverse Effect."

Revised Section 106 Review

Consequently, it has been found that the roof structure would not support the ballast loading required of the “sled” antennae. Therefore, the consultants are proposing a different design that will be mounted to the chimney. The mounts will not extend above the chimney, plus will probably not be visible from the main (north) façade. The mounts will be painted the same color as the brick. The antennae system is relatively unobtrusive and easily removable. In addition, the supporting mechanicals have been removed from the secondary façade on the east side of the building and relocated to the rear (south) of the building in a recessed area. In addition, a small GPS system and coax cables will run up the wall from the mechanical compound to the southwest corner of the center (main) building. The compound and coax cables are the utilitarian side of the building, in a recessed area, and will not be very visible.

Please see the attached photographs illustrating views and the simulated appearance of the antennae on the chimney, along with site plan drawings.

Recommendation

Staff recommends the Preservation Commission comment to IHPA that the revised location and design of the antennae at 600 11th Avenue will have “No Adverse Effect” on the historic property.



Integrated Environmental Solutions

3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

August 3, 2010

GSS Project #V09139

Ms. Jill Doak, Urban Planner II
Rock Island Preservation Commission
City of Rock Island
1528 Third Avenue
Rock Island, IL 61201-8678

**RE: IHPA #014121409 – ROCK ISLAND BOARD OF EDUCATION – THURGOOD
MARSHALL (GRANT SCHOOL), 600 11TH AVENUE, ROCK ISLAND, ILLINOIS**

Dear Ms. Doak:

Please find enclosed a copy of the additional information submitted to the Illinois Historic Preservation Agency in regard to proposed cellular antennas on the roof top of the school at the above-referenced location.

Previously, the plan called for telecommunications equipment to be sled-mounted on the roof of the building. However, due to structural concerns, the plan has been modified to a chimney mounted system. Photographs, diagrams and plans have been included to illustrate the change.

GSS, Inc. respectfully requests the review and approval of this change from the Rock Island Preservation Commission. We can be reached at (515) 331-2103 (phone); (515) 331-1728 (fax) or email us at gss@gssmidwest.com with questions.

Thank you for your prompt attention to this matter,

GSS, Inc.

A handwritten signature in black ink, appearing to read 'Eugene J. Blazenko', written in a cursive style.

Eugene J. Blazenko, P. Geol



3311 109th Street • Urbandale, Iowa 50322
Tel: 515.331.2103 • Fax: 515.331.1728
gss@gssmidwest.com

Integrated Environmental Solutions

August 3, 2010

GSS Project #V09139

Ms. Anne E. Haaker, Deputy State Historic Preservation Officer;
Ms. Emilie Eggemeyer, Project Reviewer
Illinois Historic Preservation Agency
1 Old State Capitol Plaza
Springfield, IL 62701-1512

**RE: IHPA #014121409 – ROCK ISLAND BOARD OF EDUCATION – THURGOOD
MARSHALL (GRANT SCHOOL), 600 11TH AVENUE, ROCK ISLAND, ILLINOIS**

Dear Ms. Haaker and Ms. Eggemeyer:

As a follow-up to our phone conversation on June 29, 2010, we herewith submit additional information on the chimney mounted telecommunications equipment option at the above referenced location in Rock Island, Illinois.

To review the situation, we originally submitted plans for sled mounted telecommunication equipment on the roof of the school and received your concurrence of “no adverse effect” on February 11, 2010. Our client thereafter informed us that a structural review of the building indicated the roof would not hold the ballast loading that would be required for sled mounted telecommunications equipment. Therefore our client now proposes to mount antennas on the existing chimney using a bracket system.

There are multiple benefits of this plan. The proposed chimney mount will not require penetration of the mortar or brick and will not harm the structural integrity of the building or the chimney. This option also decreases the number of antennas mounted on the structure from six to three. Also, the chimney sits further back from the sides of the building than would the originally planned sleds and the chimney mount equipment will be color matched to that of the existing chimney. (Ref. photo sims and drawings).

For your review, we have included several photos and diagrams that demonstrate the minimized visual impact of the chimney mount option. These include:

- A photograph of the east façade looking northwest. Please note that the chimney is not visible from this vantage point. Also, please refer to the enclosed streetscape photos that were included in our original submittal wherein the chimney is not visible or is only partially visible.
- A “Before” photograph of the west façade looking east that shows the chimney.
- An “After” simulation of the west façade depicting the chimney mounted equipment.
- A “Before” photograph of the chimney itself.
- An “After” simulation of the chimney with the chimney mounted equipment.

- Site and roof plans, A-1, A-3 and A-4, showing the rooftop and building profile. Also included is drawing 3 of 3 from our original submittal. This drawing shows the relative location of the originally proposed sled mounts and the chimney mount.
- A diagram of the chimney mounted equipment system.

This information is also being sent to Jill Doak at the Rock Island Preservation Commission for their review and approval. We respectfully request your concurrence that the chimney mount plan will also have "no adverse effect" on historic properties. We can be reached at (515) 331-2103 (phone); (515) 331-1728 (fax) or email us at gss@gssmidwest.com with questions.

Thank you for your prompt attention to this matter,

GSS, Inc.



Eugene J. Blazenko, P. Geol

Cc: Jill Doak, Rock Island Preservation Commission



Integrated Environmental Solutions

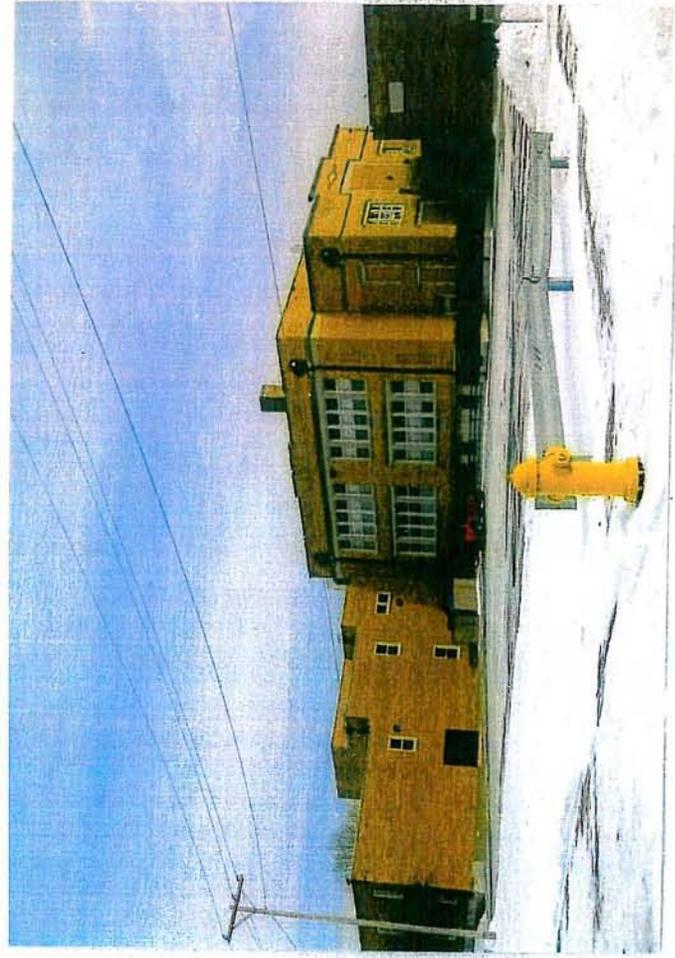


Thurgood Marshall School East Façade Looking Northwest

Chimney Is Not Visible



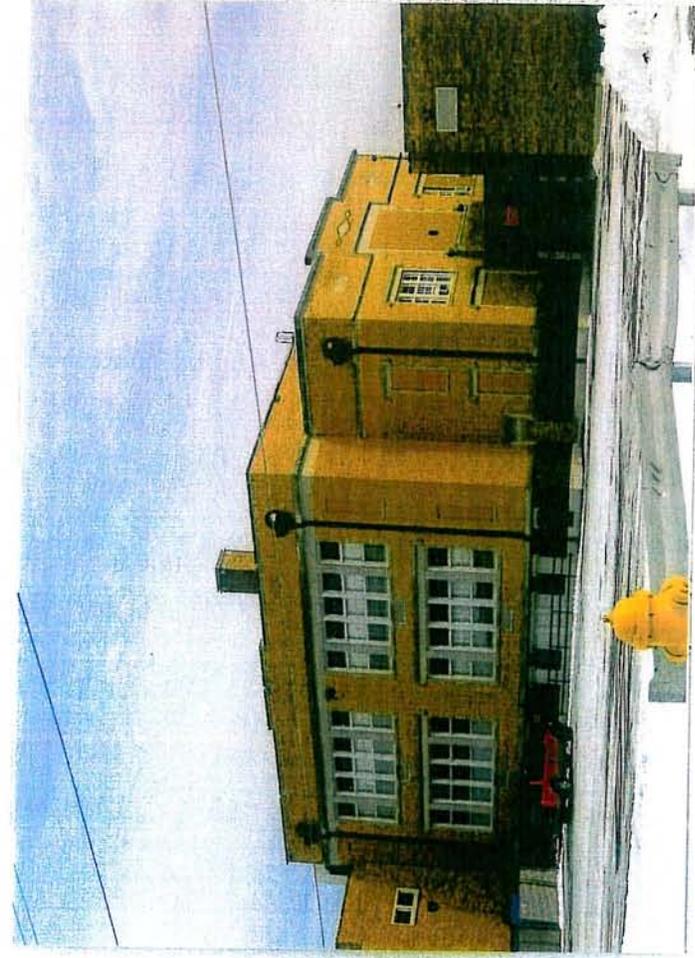
Thurgood Marshall School West Façade Looking East



West Façade, Thurgood Marshall School in Rock Island Looking Northeast



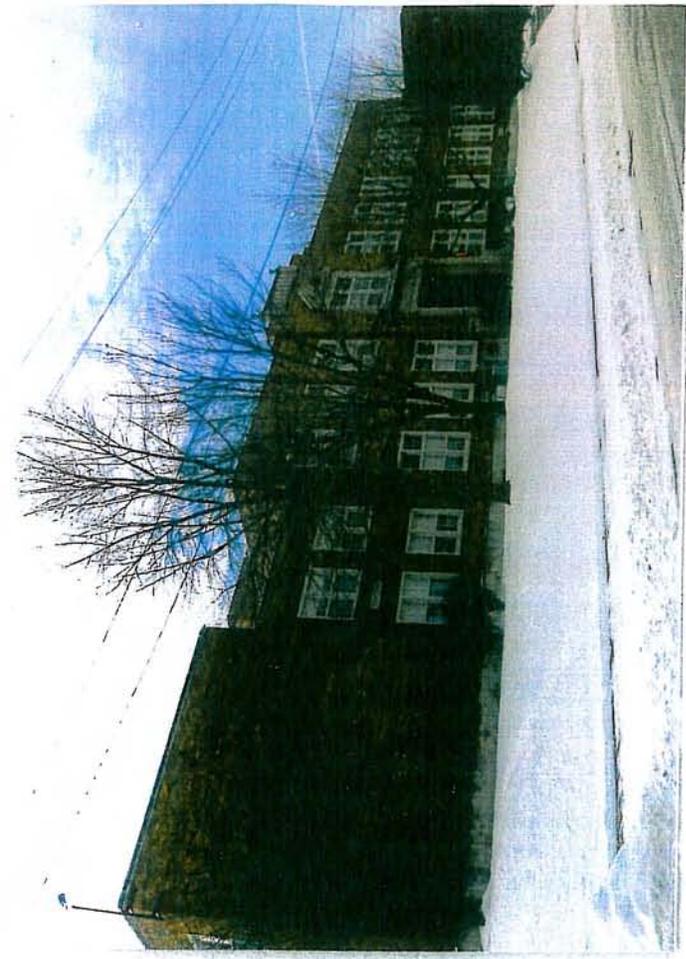
North Façade, Thurgood Marshall School Looking Southeast



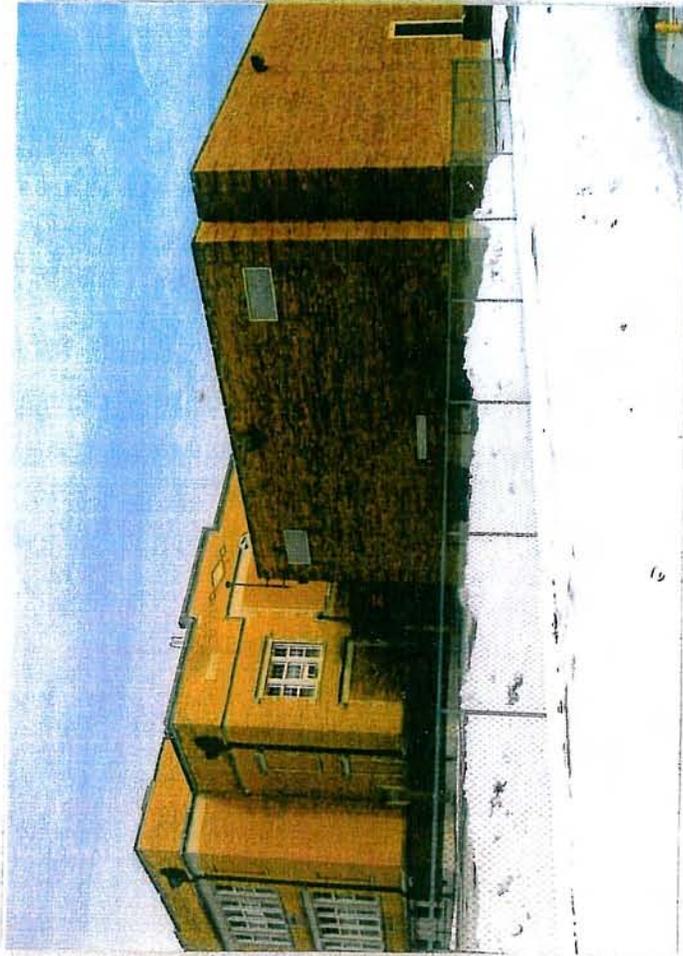
West Façade, Thurgood Marshall School Looking Northeast



East Façade, Thurgood Marshall School Looking Northwest



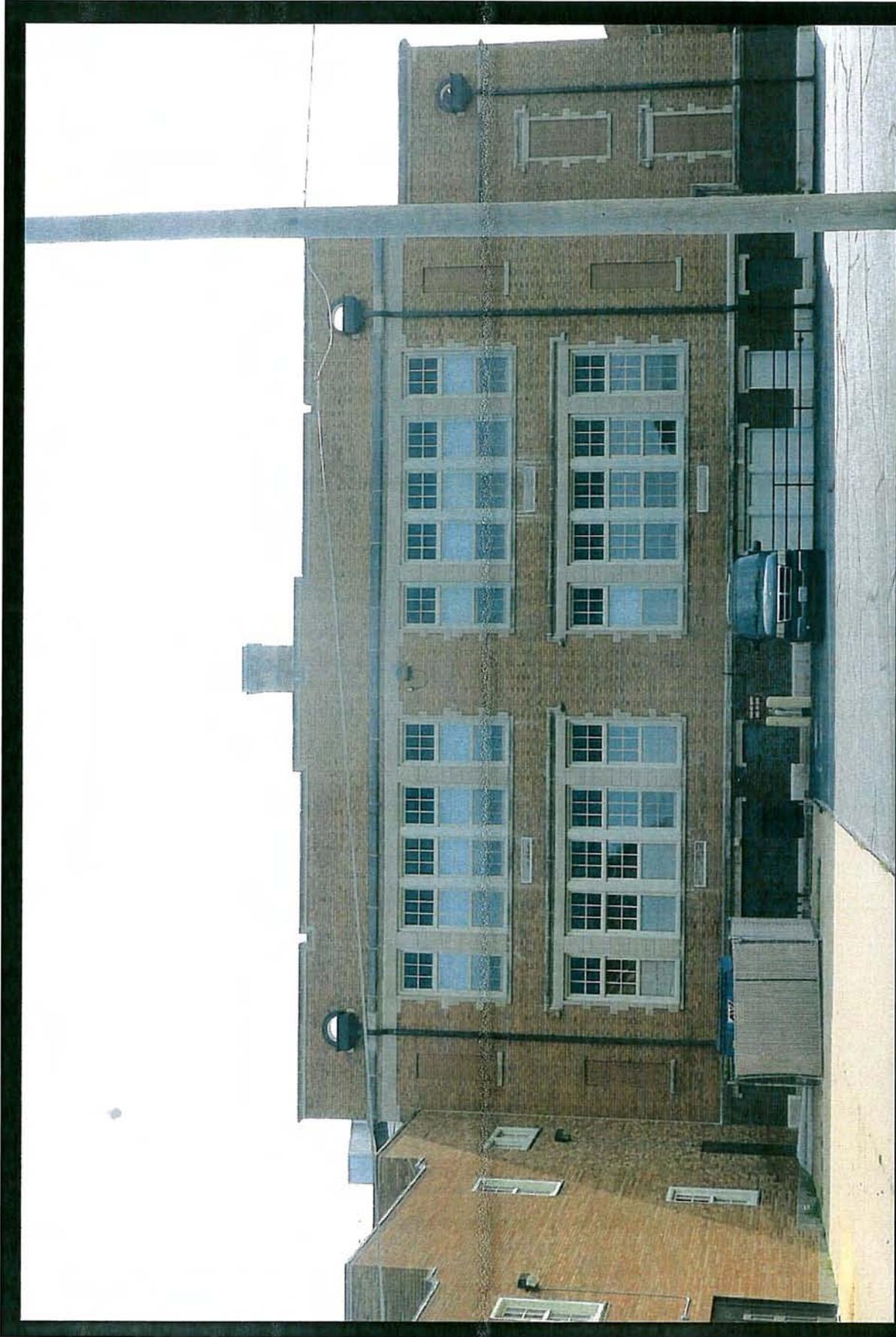
North Façade of Thurgood Marshall School Looking Southwest



Gymnasium, West and South Facades, Looking Northeast



East Entrance, Thurgood Marshall School Looking Northwest



 **i wireless.**
IL0057

Thurgood
Elevation (looking east) - Before
New Antennas

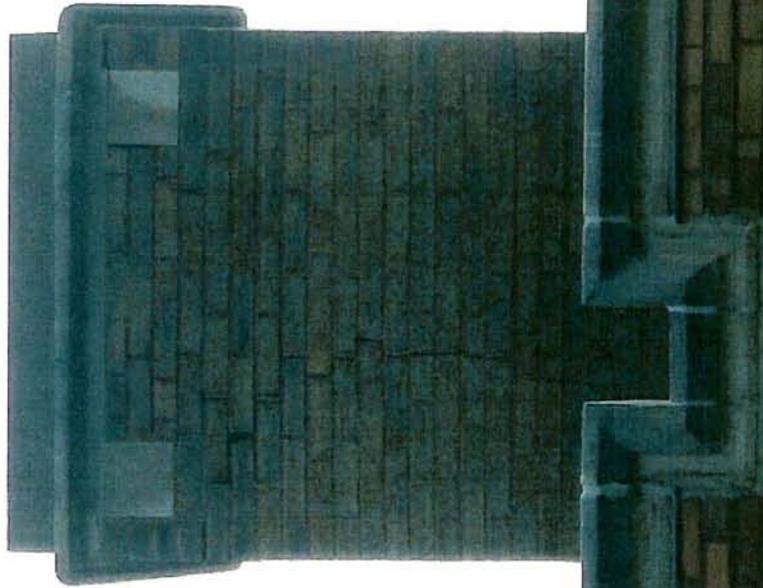
SHIVEHATTERY
ARCHITECTURE ENGINEERING
8099500



i wireless.
IL0057

Thurgood
Elevation (looking east) - After
New Antennas

SHIVEHATTERY
ARCHITECTURE • ENGINEERING
8099500



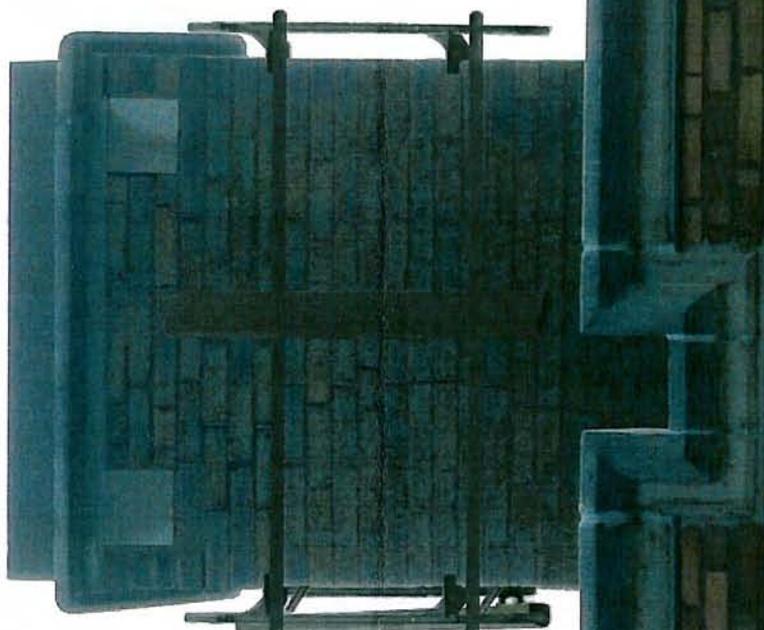
SHIVEHATTERY
ARCHITECTURE - ENGINEERING

8099500

Thurgood
Elevation - Before
New Antennas



IL0057



IL0057

Thurgood
Elevation - After
New Antennas

SHIVEHATTERY
ARCHITECTURAL ENGINEERING

8099500



PRELIMINARY



APPLICANT/OWNER:
i wireless
4135 NW IRVINGDALE DRIVE
IRVINGDALE, IA 50322

DRAWN BY: GJK BY: APV BY: MRS

SITE NAME:
THURGOOD

WIRELESS SITE NUMBER:
IL0057

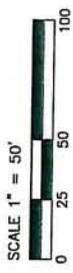
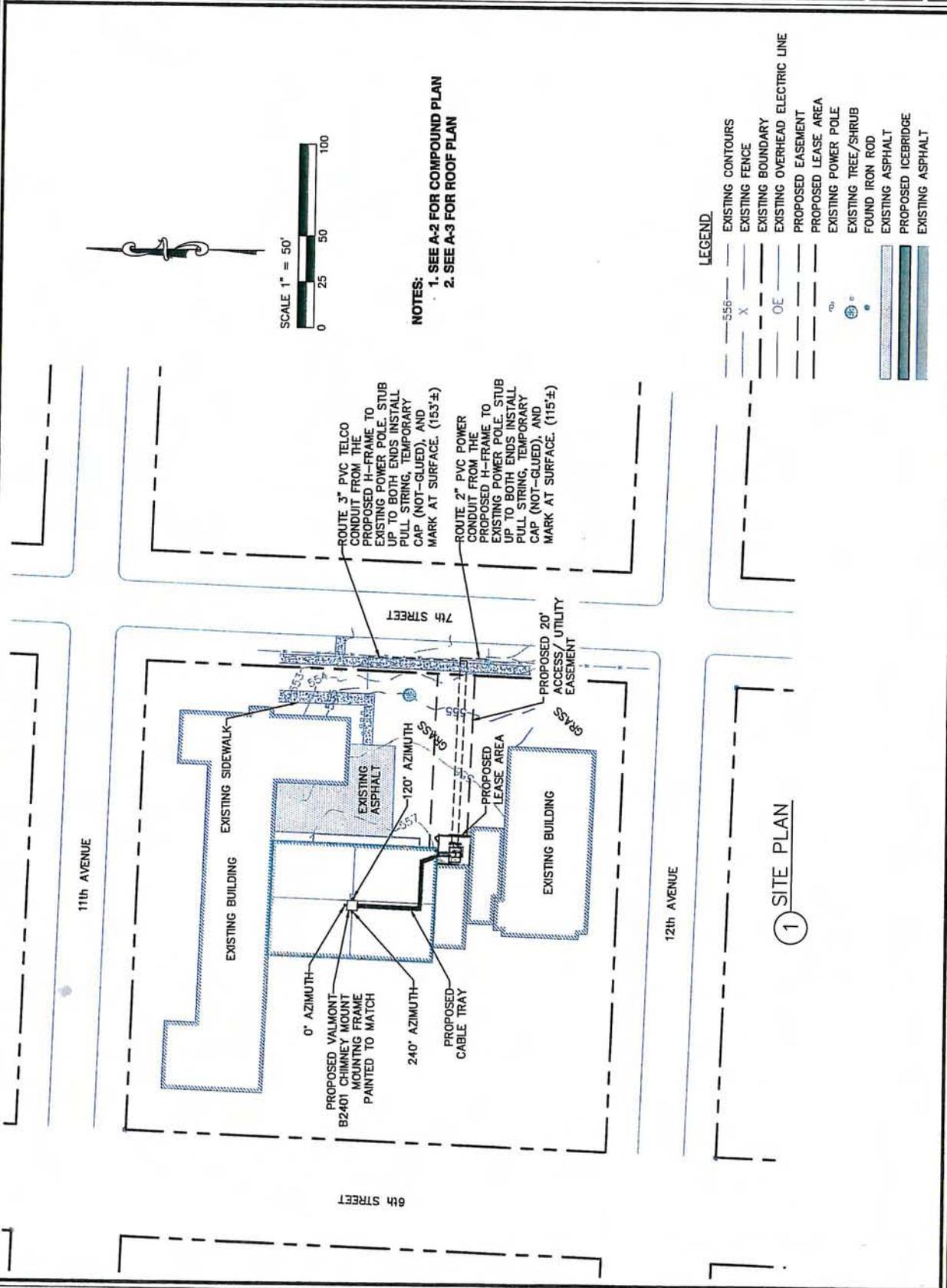
SUBMITTALS

REV.	DATE	DESCRIPTION
3	07/19/10	MOVED ANTENNA'S
2	01/20/10	REVISED GROUNDING
1	12/21/09	IR AND UTILITY

DRAWING TITLE:
SITE PLAN

DRAWING NUMBER:
A-1

JOB NUMBER:
01-09-930



NOTES:
1. SEE A-2 FOR COMPOUND PLAN
2. SEE A-3 FOR ROOF PLAN

LEGEND

---	EXISTING CONTOURS
X	EXISTING FENCE
---	EXISTING BOUNDARY
OE	EXISTING OVERHEAD ELECTRIC LINE
---	PROPOSED EASEMENT
---	PROPOSED LEASE AREA
---	EXISTING POWER POLE
---	EXISTING TREE/SHRUB
---	FOUND IRON ROD
---	EXISTING ASPHALT
---	PROPOSED ASPHALT



PRELIMINARY

PROJECT MANAGER
i wireless
 DATA COMMUNICATIONS
 4135 NW URBANDALE DRIVE
 URBANDALE, IA 50322

APPLICANT/OWNER:
 WIRELESS
 4135 NW URBANDALE DRIVE
 URBANDALE, IA 50322
 DRAWN BY: CHK BY: APV BY:

KJM TDB MRS
 SITE NAME:
THURGOOD

WIRELESS SITE NUMBER:
IL0057

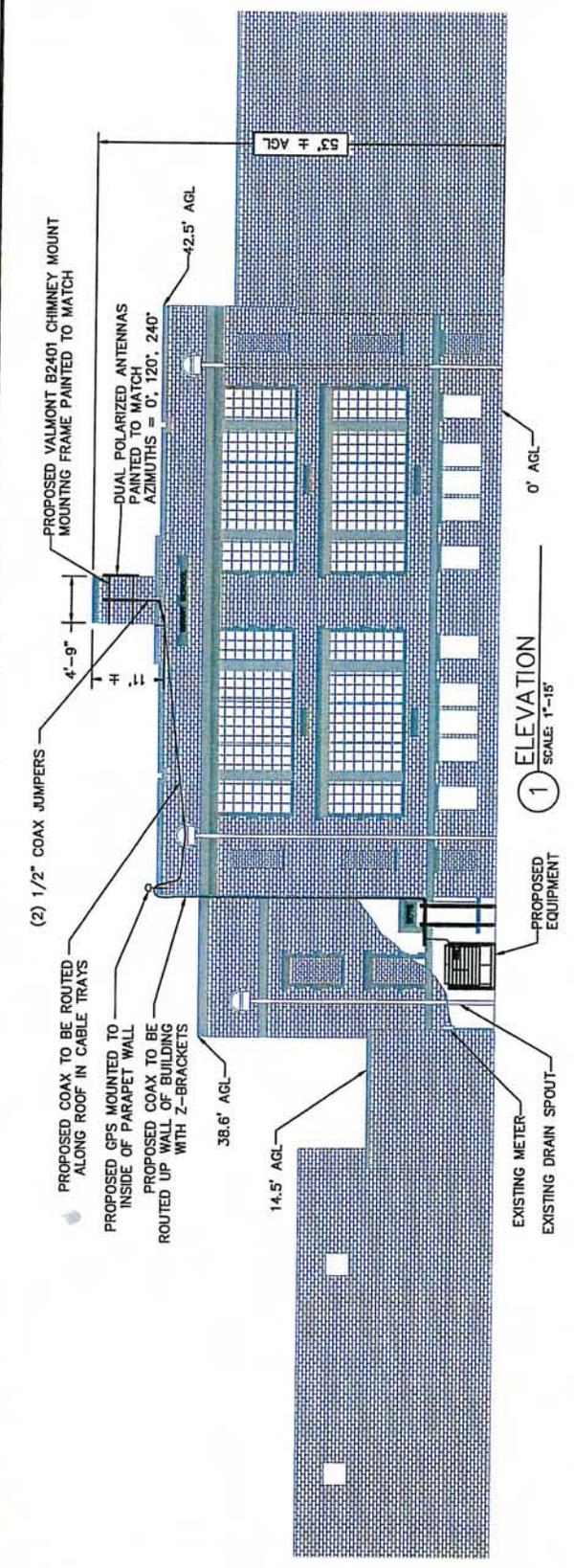
SUBMITTALS

REV	DATE	DESCRIPTION
3	07/19/10	MOVED ANTENNAS
2	01/20/10	REVISED GROUNDING
1	12/21/09	IR AND UTILITY

DRAWING TITLE:
ELEVATION AND DETAILS

DRAWING NUMBER:
A-4

JOB NUMBER:
 01-09-930



ANTENNA POSITION	COLOR CODING
Rx1	1 RED
Rx1/Tx1	2 RED
Rx2	1 YELLOW
Rx2/Tx2	2 YELLOW
Rx3	1 GREEN
Rx3/Tx3	2 GREEN
Rx4	SEE NOTE 2
Rx4/Tx4	SEE NOTE 2
MW1	
MW2	

- NOTES:
- COLOR BAND TO BE 2" WIDE OF MAIN LINE
 - SPACING TO BE 1" BETWEEN BANDS
 - COLOR BAND ON JUMPERS 1" WIDE w/ 1" SPACE
 - START COLOR BANDS 2" BEYOND WEATHERPROOFING
 - START SECTOR COLOR NEXT TO END CONNECTOR

NOTES:

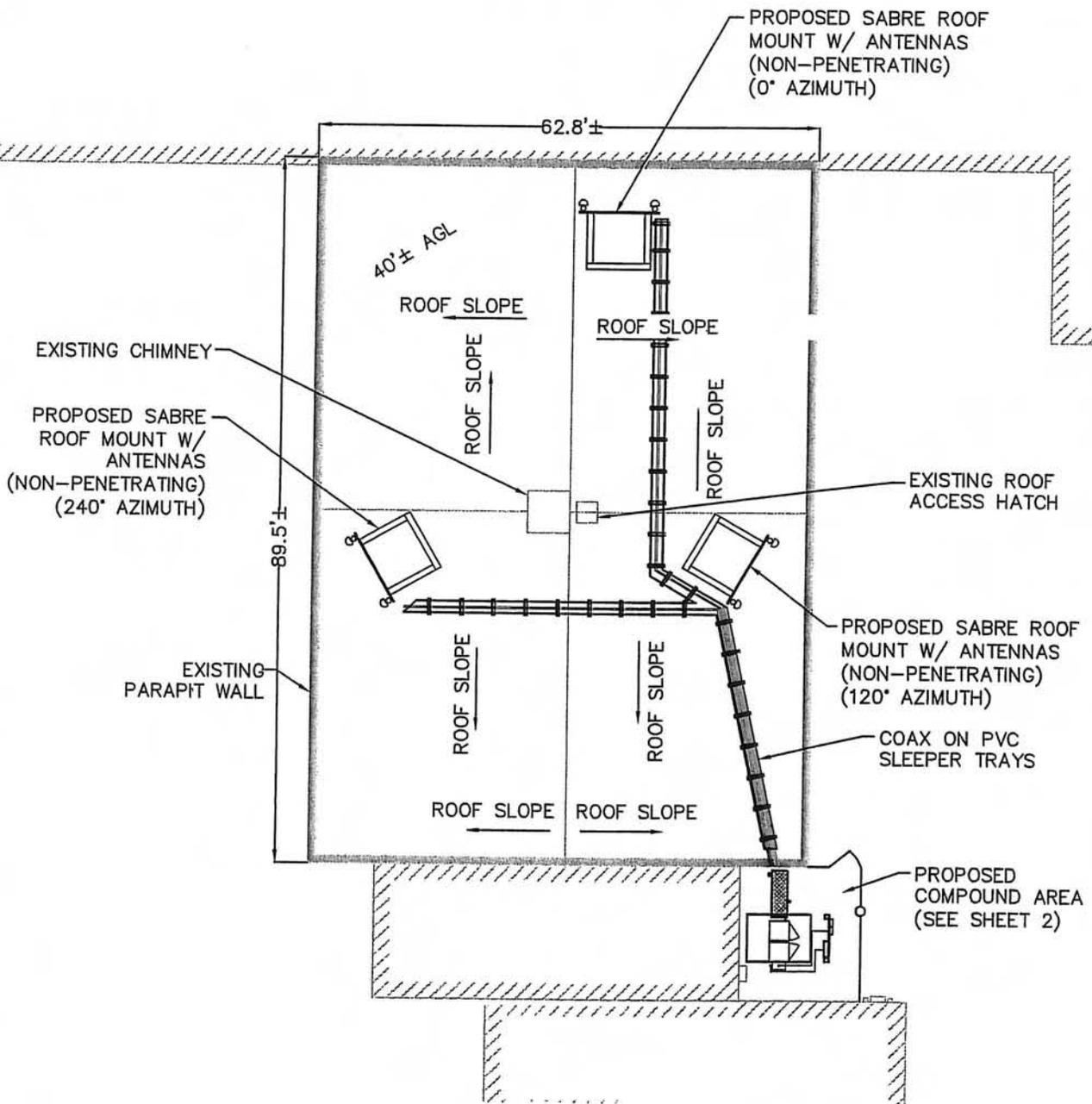
- CONTRACTOR TO INSTALL ANTENNAS AT CENTERLINE OF AZIMUTH AS INDICATED ON RF CONFIGURATION SHEET. CABLE ROUTING ON, IN, OR ABOUT SUPPORT STRUCTURES TO BE AS DETAILED IN THE TOWER DRAWINGS OR STRUCTURAL ANALYSIS.
- IF FOUR SECTOR IS USED THE SECTOR IS SPLIT WITH ONE OF THE OTHER SECTORS. FOURTH SECTOR COLOR IS BLUE. EXAMPLE MARKING: IF SPLIT WITH SECTOR ONE, RECEIVE WOULD BE 1 RED AND 1 BLUE AND RECEIVE AND TRANSMIT WOULD BE 2 RED AND 2 BLUE. LIKE WISE IF SPLIT WITH SECTORS TWO AND THREE.
- CONTRACTOR TO VERIFY RF CONFIGURATION WITH I-WIRELESS PROJECT MANAGER PRIOR TO INSTALLATION OF ANTENNAS.

1 ELEVATION
 SCALE: 1"-15'

2 COAX IDENTIFICATION
 SCALE: 1"-5'

3 ELEVATION
 SCALE: 1"-5'

SITE # IL0057
 THURGOOD
 ROCK ISLAND, IL



NOTES:
 1-PROPOSED ANTENNA
 AZIMUTHS = 0°-120°-240°

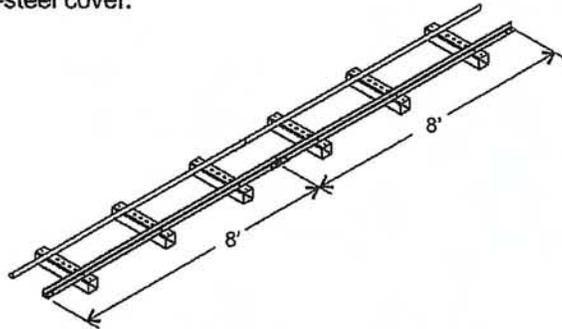
PAGE: 3 OF 3
 DATE: 08/10/09
 JOB NO.: 01-09-930

Landmark
 ENGINEERING GROUP
 455 AVENUE OF THE CITIES EAST MOLINE, IL 61244
 (309) 755-3400 FAX (309) 755-4422
 CIVIL ENGINEERING AND LAND SURVEYING
 DESIGN FIRM REGISTRATION NUMBER 184-001511

Roof Mounts

Sleeper Alignment Guide for Coax Bridge Installation

The Sleeper Alignment Guide ensures the fast and correct installation of coax bridge kits. At least one Sleeper Alignment Guide should be available to each crew installing rooftop coax bridge kits. The guide prevents sleeper movement while the coax is being secured with snap-in hangers, thus ensuring correct alignment with the mounting holes in the formed-steel cover.



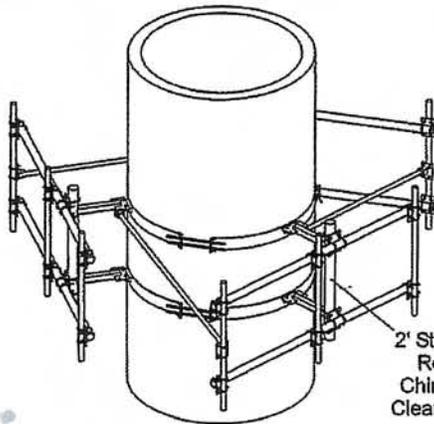
Description	P/N
16' long Sleeper Alignment Guide	B1571

Chimney Mount for Round Chimneys

Chimney Mounts support Antenna Pipe Mounts or Stand-off Pipe Mounts. Kits fit chimney diameters from 5' to 13'. The mounts are positioned around the chimney and secured with included tension mounting system.

Standard Wireless Cross-Arm Frames and Wireless Frames are used to sectorize the mounts. When a standard frame does not work, plain pipe and pipe transfer kits can be ordered to make a custom frame.

Wireless frames and antenna mounting pipes are ordered separately.



Description	P/N
Fits 5' -6' Face Diameter	B2583
Fits 6' -7' Face Diameter	B2584
Fits 7' -8' Face Diameter	B2585
Fits 8' -9' Face Diameter	B2586
Fits 9' -11' Face Diameter	B2427
Fits 11' -13' Face Diameter	B2428

Custom Chimney Mounts available for larger or smaller chimney sizes. Call for details.

Chimney Mount for Square Chimneys

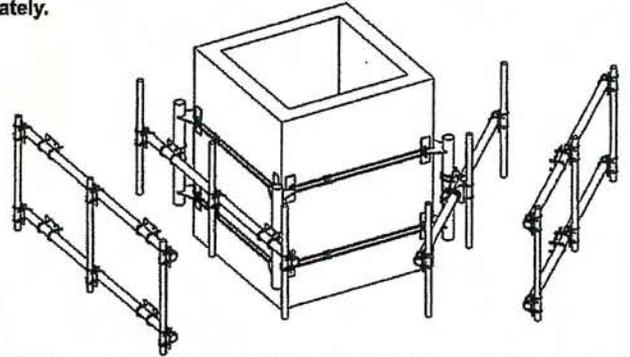
Chimney Mounts provide four 4-1/2" O. D. x 4' mounting pipes for the installation of Wireless Frames or Cross-Arm Frames. Five Kits are offered for chimney face widths from 3' to 20'. The Mounts are positioned on each corner of the chimney and held with an included tension mounting system.

Standard Wireless Cross-Arm Frames and Wireless Frames are used to sectorize the Mounts. Using Pipe Transfer Kits, frames will mount to the face of a chimney, with a maximum face width, as follows:

- 10' Wireless Cross-Arm Frame - 8' max chimney width
- 13' Wireless Cross-Arm Frame - 11' max chimney width
- 10' Wireless Frame - 8' 3" max chimney width
- 13' Wireless Frame - 10' 9" max chimney width
- 15' Wireless Frame - 12' 9" max chimney width

When a standard frame does not work, Plain Pipe and Pipe Transfer Kits can be ordered to make a custom frame.

Wireless frames and antenna mounting pipes are ordered separately.

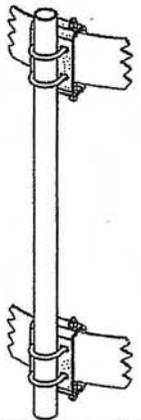


Description	P/N
Fits 3' -4' Face Diameter	B2400
Fits 4' - 8' Face Diameter	B2401
Fits 8' - 12' Face Diameter	B2402
Fits 12' - 16' Face Diameter	B2403
Fits 16' - 20' Face Diameter	B2404

Custom Chimney Mounts available for larger or smaller chimney sizes. Call for details.

Flush Mount Adapter for Round Chimney Mounts

Flush Mount Adapters are used with 2-3/8" O. D. plain pipe to mount Panel Antennas close to chimney face. Kit includes two brackets and hardware.



Antenna mounting pipe sold separately,

Description	P/N
Flush Mount Adapter	B3023

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