



ELECTRICAL AND DATA CABLE INSTALLATION

for

Washington Metropolitan Area Transit Authority

Contract Number FQ17021

VOLUME 4

**Mezzanine Inspection Reports
Part 1a
Orange and Blue Lines**

November 13, 2016

Final Submission

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

VOLUME 4

PAGE NO.

MEZZANINE INSPECTION REPORTS

PART 1A

ORANGE & BLUE LINES

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Mezzanine Inspection Report

Date: 2/25/2015	Station Name: C01 – Metro Center North	Mezzanine #: 035	Completed By: Mike Butler
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Summary

Pull string installation was completed in communication duct for upper faregate array. However, pull string installation was not possible in communication duct for lower faregate array due to an obstruction, potentially a collapsed duct 10' from kiosk. Video scoping in comm. and power ducts for upper / lower faregates was not possible due to skirt obstruction.

Video scoping and pull string installation was completed between Kiosk, Handhole and AFC Panel in Room N206; ducts are not at capacity and are viable for future use.

Scanning is not required at this mezzanine.

Scoping of Faregate Array(s)

Task	Yes/No	Notes
Communications Duct – Upper Faregate Array (4 gates)		
Was video scoping completed for the entire duct run?	No	Video scoping was not possible due to skirt obstruction.
Were pull strings installed at all faregates in the array?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Communications Duct - Lower Faregate Array (4 gates)		
Was video scoping completed for the entire duct run?	No	Video scoping was not possible due to skirt obstruction.
Were pull strings installed at all faregates in the array?	No	
Were there any obstructions or blockages? Provide details of type and specific location.	Yes	An obstruction, potentially a collapse 10' away from kiosk.
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Power Duct - Upper Faregate Array (4 gates)		
Was video scoping completed for the entire duct run?	No	Video scoping was not possible due to skirt obstruction.
Were there any obstructions or blockages? Provide details of type and specific location.	N/A	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Power Duct - Lower Faregate Array (4 gates)		
Was video scoping completed for the entire duct run?	No	Video scoping was not possible due to skirt obstruction.
Were there any obstructions or blockages? Provide details of type and specific location.	N/A	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	


Scoping of Power Duct - Kiosk to AFC Panel		
Task	Yes/No	Notes
Kiosk to Handhole 1 (Distance =25')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to "WMATA Metro Center North 6inch Power HH1 to Kiosk.avi"
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	6" walker duct with less than 10 wires.
Hanhole 1 to AFC panel (Distance = approx. 40')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to "WMATA Metro Center North 6inch Power HH1 to AFC Panel.avi"
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	6" walker duct with less than 10 wires
Observations / Issues / Next Steps		
<ul style="list-style-type: none"> - The power duct run from Kiosk to AFC Panel is approximately 65'. - There are two power duct runs from Kiosk to AFC Panel, however the alternate run is at capacity. - An existing AFC installation plan is not available for this mezzanine - refer to attached photos and sketch instead. 		
Sign Off		
	GFP Representative	WMATA PRGM
Name:	Mike Butler	
Signature:		
Date:	2/26/2015	

Photo #1 - Existing duct run on mezzanine floor.

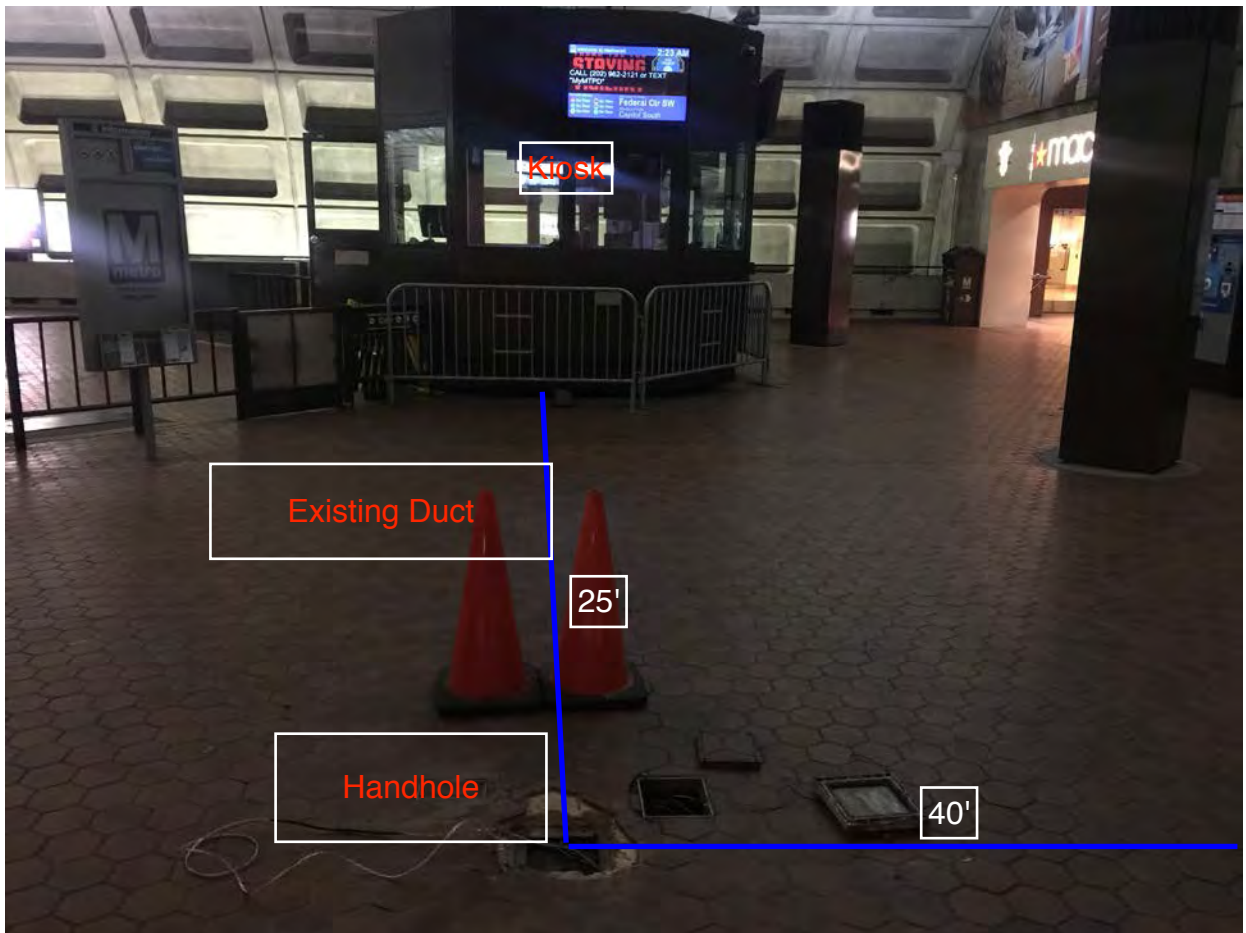


Photo #2 - Existing duct run on mezzanine floor.

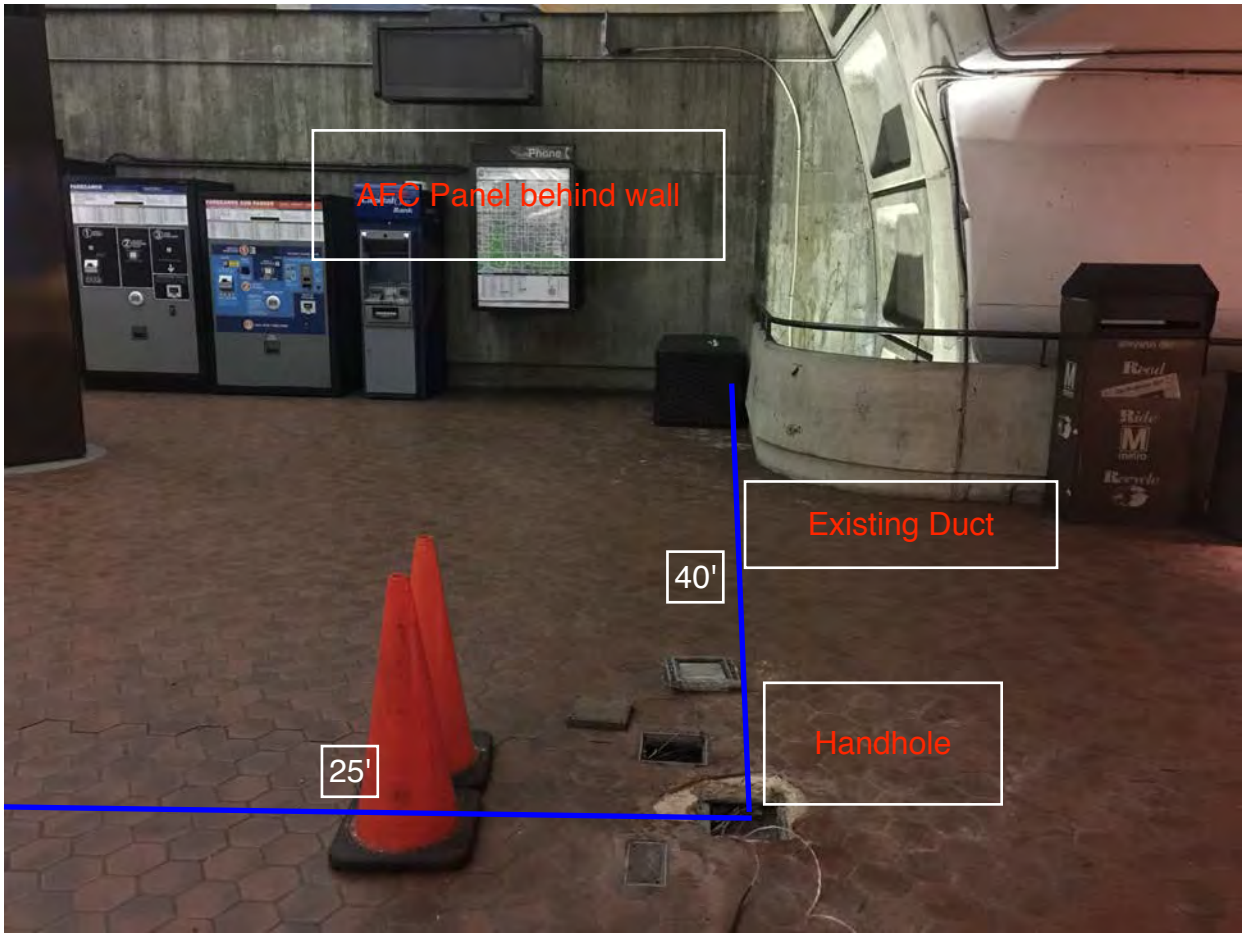
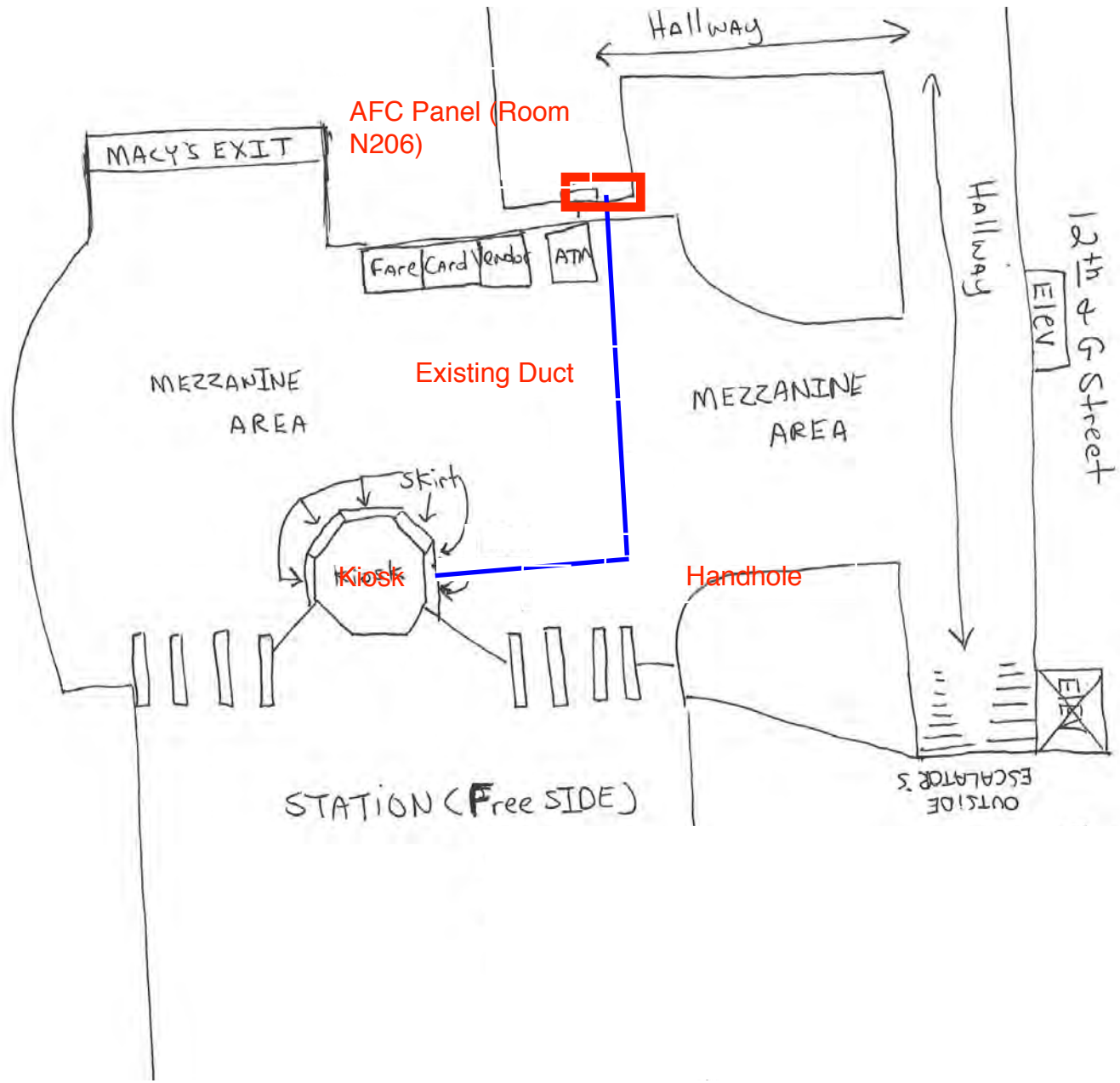


Photo #3 - AFC Panel and duct connection in Room N206.





Mezzanine Inspection Report

Date: 10/29/14	Station Name: C01 Metro Center South	Mezzanine #: 052	Completed By: Mike Butler
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Summary

Video scoping and pull string installation at Metro Center South was partially completed. The power duct between the Kiosk and AFC Panel was scoped and pull string was installed; duct is clear from obstructions and not at capacity. Scoping and pull string installation was not completed for the communication duct in the faregate array due to apron skirt obstruction. However, CAT6 is already installed in the communication duct. In addition, scoping was not completed for the power duct in the faregate array due to apron skirt obstruction. As per WMATA's direction, additional scoping is not needed at this mezzanine.

Scanning is not required at this mezzanine.

Scoping of Faregate Array(s)

Task	Yes/No	Notes
Communications Duct – Upper Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	No	Could not be completed due to kiosk skirt apron obstruction.
Were pull strings installed at all faregates in the array?	No	
Were there any obstructions or blockages? Provide details of type and specific location.	N/A	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	
Power Duct - Upper Faregate Array (8 faregates)		
Was video scoping completed for the entire duct run?	No	Could not be completed due to kiosk skirt apron obstruction.
Were there any obstructions or blockages? Provide details of type and specific location.	N/A	
Is the duct at capacity? Provide additional details about the dimensions of ducts and number of wires.	N/A	


Scoping of Power Duct - Kiosk to AFC Panel		
Task	Yes/No	Notes
Kiosk to Handhole 1 (Distance: 80')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to "WMATA Metro Center South Power Handhole to Kiosk Video.avi"
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	6" walker duct with less than 12 wires
Handhole 1 to AFC Panel (Distance: 30')		
Was video scoping completed for the entire duct / conduit run?	Yes	Refer to "WMATA Metro Center South Power Handhole to AFC Panel Video.avi"
Was pull string installed?	Yes	
Were there any obstructions or blockages? Provide details of type and specific location.	No	
Is the duct / conduit at capacity? Provide additional details about the dimensions of duct / conduit and number of wires.	No	6" walker duct with less than 12 wires
Observations / Issues / Next Steps		
<ul style="list-style-type: none"> - CAT6 cables already installed inside Faregate cabinets #10 thru #16 under CIP-092 project. - The power duct run between the Kiosk and AFC Panel is approximately 110'. - An AFC installation plan is not available for this mezzanine. 		
Sign Off		
	GFP Representative	WMATA PRGM
Name:	Mike Butler	
Signature:		
Date:	01/15/15	

Photo #1 – Handholes located on Mezzanine Level outside Mechanical Room Room 211

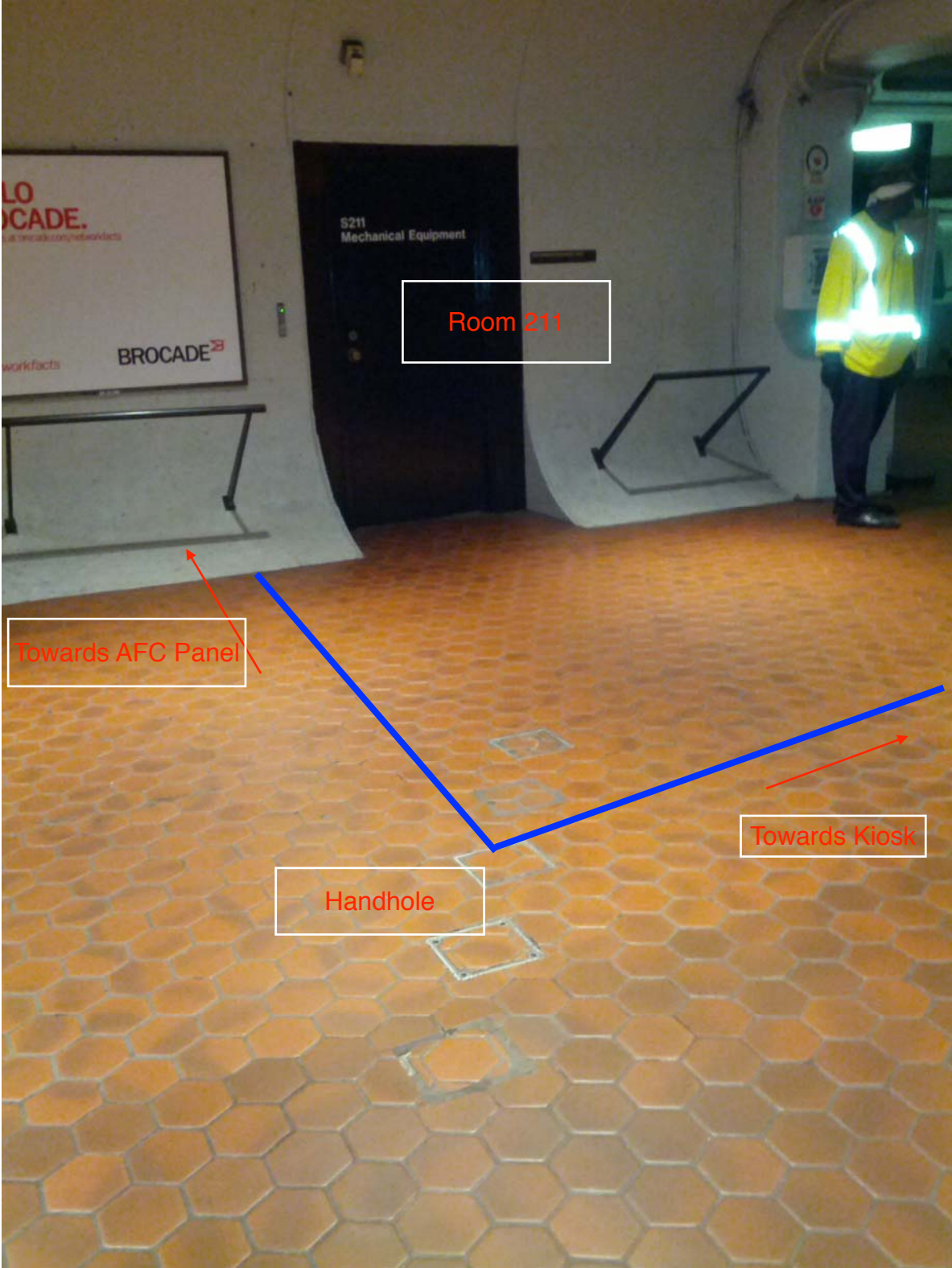


Photo #2 – Kiosk and faregates on mezzanine level.



Sketch - Metro Center South (M052)

