## 1.02 Completion Check List

• All Clocks have been tested for proper operation and synchronization.

End of Section

. 3.04 	Schedules  Coordinate work with Owner's project manager and follow project manager.  It is recommended that the Contractor schedule closely widate is met.  Contractor bidding will supply the electrical and or masonic clock recessed back boxes etc. and coordinate with them are installed in the proper locations.  End of Section  Submittals  Prior to installation  Show compete map of system design for approval by Own
•	Coordinate work with Owner's project manager and follow project manager.  It is recommended that the Contractor schedule closely widate is met.  Contractor bidding will supply the electrical and or mason clock recessed back boxes etc. and coordinate with them are installed in the proper locations.  End of Section
• 3.04 •	Coordinate work with Owner's project manager and follow project manager.  It is recommended that the Contractor schedule closely widate is met.  Contractor bidding will supply the electrical and or masoniclock recessed back boxes etc. and coordinate with them are installed in the proper locations.
• 3.04 •	Coordinate work with Owner's project manager and follow project manager.  It is recommended that the Contractor schedule closely widate is met.  Contractor bidding will supply the electrical and or masoni
• 3.04 •	Coordinate work with Owner's project manager and follow project manager.  It is recommended that the Contractor schedule closely with the Contractor schedule closely clos
• 3.04 •	Coordinate work with Owner's project manager and follow
• 3 04	Schedules
	Remove all protective covers and protective materials from
•	It is the responsibility of the Contractor to ensure equipme with appropriate materials.
3.03	or Owner's representative.  Protection
3.02	Adjusting  No additional work outside of the contract scope of work s
2.00	Contractor shall replace all defective components.
•	or owner's representative.
3.01	Field Quality Control  Contractor shall make available all ceiling and termination
Part 3	- Execution
	component failure.
1.07	Warranty  Contractor shall provide a 1 year parts and labor warranty
-	Contractor shall provide a detailed construction schedule terminations and testing once scheduling sequence has b
1.06	Scheduling  Contractor shall provide a detailed construction schedule
•	Follow Manufacturer's recommendations for handling of m
•	Contractor is responsible for all materials, tools and vehicle
•	Contractor shall ensure that materials delivery to work are responsible for materials distribution to all trades.
1.05	Bidding contractor shall be able to provide insurance at the <b>Delivery, Storage, and Protection</b>
•	Bidding contractor shall have a minimum of 5 years exper
1.04.02	Bidder/Installer Qualifications
•	All products shall be new and un-used in original packagi
•	All products shall bear the mark of UL or ETL for performations.  System installation shall meet all applicable Local/State c
•	Install all components as directed by Manufacturer's insta
	Qualifications
• 1.04	Follow and adhere to installation practices specified by the Quality Assurance
•	Follow and adhere to installation practices specified by NF
•	Installer shall supply the electrical and or masonry contract back boxes etc. and coordinate with them to ensure that at the proper locations.
•	All wire ran between building shall be in conduit and shall conductor 18 AWG copper.
•	All wire shall be run in J hooks above ceiling with a minim separate pathways 6" from other system wiring. No wire to
•	Protective grommets shall be installed on all conduits to p
•	All extra wire taps shall be insulated.
•	All devices shall be properly adjusted and tested prior to
1.03	Systems Installation  All devices shall be mounted according to the manufacture
	American Time E93BAQD204BP  An 110v electric clock receptacle shall be installed at each
	Stand-alone wall clock shall be American Time E56BAQD304BP  Stand-alone dual face hallway clock shall be
Clock r	Intercom 12" Analog Clock shall be hard wired and may roust be compatible with existing clock system.  If site does not have an existing working clock system, st

<ul> <li>Intercom 12" Analog Clock shall be hard wired and may not use battery power for its primary power source.</li> <li>Clock must be compatible with existing clock system.</li> </ul>	Security System	
If site does not have an existing working clock system, stand-alone battery powered clocks shall be used.  Stand-alone wall clock shall be  Applicant Time FERMAD 2014 PR.  Applicant Tim	Specifications	
American Time E56BAQD304BP  Stand-alone dual face hallway clock shall be	Part 1 - General	
American Time E93BAQD204BP  An 110v electric clock receptacle shall be installed at each clock location for future devices.	2.01 Manufacturers	
1.03 Systems Installation	Security System Manufacturer shall be DSC or DMP. See plans for the specific manufacturer required.(no substitutions)	
All devices shall be mounted according to the manufactures specifications.	Installer shall be certified by manufacturer to install and program the specified systems. (no substitutions)  Positional device Manufacturers shall be according to equipment list. (No Substitutions)	
All devices shall be properly adjusted and tested prior to job completion.	<ul> <li>Peripheral device Manufacturers shall be according to equipment list. (No Substitutions)</li> <li>Cable Manufacturer shall be Genesis. (Or Equivalent)</li> </ul>	
All extra wire taps shall be insulated.	Security Systems Equipment	
Protective grommets shall be installed on all conduits to protect wire.	security alarm control shall be dsc model # pc4020 or dmp model # xr550nl-g. (no substitutions)	
<ul> <li>All wire shall be run in J hooks above ceiling with a minimum space of 4" from ceiling deck. All wire shall be in separate pathways 6" from other system wiring. No wire ties allowed.</li> </ul>	security alarm control communicator shall be dsc model # t-linktl250. dpm n/a. (no substitutions)	
<ul> <li>All wire ran between building shall be in conduit and shall be direct burial cable. It shall be a minimum of 5 conductor 18 AWG copper.</li> </ul>	security alarm keypad shall be dsc model # lcd4501 or dmp model # 7873. (no substitutions)	
• Installer shall supply the electrical and or masonry contractors with specialty back boxes such as clock recessed back boxes etc. and coordinate with them to ensure that all necessary conduits, back boxes, etc. are installed in the proper locations.	<ul> <li>security alarm keypad for all kitchen locations shall be dsc model # lcd4501 or dmp model # 7073. (no substitutions)</li> <li>security alarm 8 zone hardwire expander shall be dsc model # pc4108 or dmp model # 714-8. (no substitutions)</li> </ul>	
Follow and adhere to installation practices specified by NFPA-70 National Electric Code, Edition 2008.	security alarm 16 zone hardwire expander shall be dsc model # pc4116 or dmp model # 714-16. (no substitution)	
Follow and adhere to installation practices specified by the Manufacturers.	security alarm power supply shall be dsc model # pc4204 or dmp systems = altronix model # smp3pmctx. (no	
1.04 Quality Assurance	substitutions)	
1.04.01 Qualifications	<ul> <li>security alarm power supply cabinet shall be dsc model # pc4051c. dmp n/a. (no substitutions)</li> <li>security alarm cabinet locks shall be dsc model # I1 or dmp model # 301. (no substitutions)</li> </ul>	
Install all components as directed by Manufacturer's installation guidelines.	<ul> <li>security alarm 35'x35' motion detector shall be honeywell model # dt-8035. (no substitutions)</li> <li>security alarm 50'x60' motion detector shall be honeywell model # dt-8050. (no substitutions)</li> <li>security alarm window glass break sensor shall be honeywell model # fg-730. (no substitutions)</li> </ul>	
All products shall bear the mark of UL or ETL for performance level.	<ul> <li>security alarm window glass break sensor snall be noneywell model # 1g-730. (no substitutions)</li> <li>security alarm door contact shall be ge model # 1076d-m. double pole double throw for all doors (no substitutions)</li> </ul>	
System installation shall meet all applicable Local/State codes and safety requirements where project is located.	<ul> <li>each single door or double door shall be wired with 4 conductor wire.</li> <li>dmp systems shall be wired with 2 zones per single door or double door, one zone for security alarm and one zone</li> </ul>	
All products shall be new and un-used in original packaging.	for "door held open alert"  • security alarm c channel door magnets shall be gri model # mc180	
1.04.02 Bidder/Installer Qualifications	<ul> <li>security alarm surface window contact shall be aleph model # ps-1541. (or equivalent approved by mps)</li> <li>security alarm overhead door &amp; roof hatch contact shall be amseco model # odc-59a or for rail mount application</li> </ul>	
Bidding contractor shall have a minimum of 5 years experience installing school intercom systems.	interlogix ge2315al. (no substitutions)  • security alarm indoor siren shall be ademco model # wave2ex. (no substitutions)	
Bidding contractor shall be able to provide insurance at the request of the owner.	<ul> <li>security alarm outdoor siren shall be atw model # ds301set. (no substitutions)</li> <li>security alarm outdoor strobe shall be amseco model # sl401c. (no substitutions)</li> </ul>	
1.05 Delivery, Storage, and Protection	<ul> <li>1.01 Systems Installation</li> <li>installer shall be certified by manufacturer to install &amp; program the specified systems.</li> </ul>	
<ul> <li>Contractor shall ensure that materials delivery to work area shall be coordinated with construction site manager responsible for materials distribution to all trades.</li> </ul>	installer shall perform all programming required to complete the installation. moore public schools shall not be	
<ul> <li>Contractor is responsible for all materials, tools and vehicles left on the job site.</li> </ul>	required to assist in any part of the installation or programming.	
Follow Manufacturer's recommendations for handling of materials.	All alarm junctions and or splices shall be soldered and insulated.	
4.06 Cahadulian	All circuits and wiring shall be labeled at all terminating ends.	
<ul> <li>Scheduling</li> <li>Contractor shall provide a detailed construction schedule with hard dates for completion of roughing in cables,</li> </ul>	All devices shall be mounted according to the manufactures specifications.	
terminations and testing once scheduling sequence has been determined to the Owner's Project Manager.	All devices shall be properly adjusted and tested prior to job completion.  All zone expension module shall be DMR 714.16, and Relay Output Mediule shall be DMR 960.	
1.07 Warranty	<ul> <li>All zone expansion module shall be DMP 714-16 and Relay Output Module shall be DMP 860.</li> <li>All cabinets shall be labeled outside with their corresponding module and zone numbers and installed with lock</li> </ul>	
<ul> <li>Contractor shall provide a 1 year parts and labor warranty against defective workmanship and/or system</li> </ul>	All cabinets shall be labeled inside with module number by the corresponding module and zone list definitions.	
component failure.	Main control panel shall have a CAT 6 cable ran between the main control and the phone company DMARC for	
Part 3 - Execution	monitoring purposes.	
3.01 Field Quality Control	<ul> <li>Each expansion cabinets shall have two non-sheilded16 gauge 4 conductor cables ran from the main control to expansion cabinet.</li> </ul>	
Contractor shall make available all ceiling and termination work for inspection by Manufacturer's representative	All devices such as motion detectors, glass break detectors, door contacts, Keypads etc. shall be labeled with corresponding module and zone number. Label shall be visible from the floor.	
or owner's representative.	All motion detectors shall be sealed to prevent air and insects from entering.	
Contractor shall replace all defective components.	All steel doors shall have wide gap contacts installed.	
3.02 Adjusting	All door contacts shall be recessed and door magnets shall be glued in place.	
<ul> <li>No additional work outside of the contract scope of work shall be completed without the approval of the Owner or Owner's representative.</li> </ul>	All devices such as door contact (double doors wire as one), motion detectors, glass break detectors, etc. shall wired individually on separate zones with end of line resistors at the devices.	
3.03 Protection	All air conditioning condensers accessible from the outside and roof shall have pressure switches installed on	
It is the responsibility of the Contractor to ensure equipment is protected from dust and water during the project	high pressure side and be connected to the security alarm.	
with appropriate materials.	Protective grommets shall be installed on all conduits to protect wire.	
<ul> <li>Remove all protective covers and protective materials from equipment prior to turnover to Owner.</li> </ul>	All devices shall be wired with NON shielded cable.	
<ul> <li>Schedules</li> <li>Coordinate work with Owner's project manager and follow scheduling sequence as established by Owner's</li> </ul>	All panels, power supplies and modules shall be grounded.  All wire shall be run in I backs show sailing with a minimum chose of 4" from sailing deals. All wire shall be in	
project manager.	<ul> <li>All wire shall be run in J hooks above ceiling with a minimum space of 4" from ceiling deck. All wire shall be in separate pathways 6" from other system wiring. No wire ties allowed. No wire shall be run between the red iror roof deck.</li> </ul>	
• It is recommended that the Contractor schedule closely with any other systems contractor to ensure turnover date is met.	All wire visible from the finished floor shall be covered in decorative wire molding.	
Contractor bidding will supply the electrical and or masonry contractors with any specialty back boxes such as	All wire ran between building shall be in conduit and shall be non shielded direct burial cable. It shall be a minii	
clock recessed back boxes etc. and coordinate with them to ensure that all necessary conduits, back boxes, etc. are installed in the proper locations.	of 4 conductor 16 AWG copper.	
End of Section	Installer shall have a commercial burglar technician on the job site at all times during installation.	
1.04 Submittals	<ul> <li>Installer will work closely with the electrical and or masonry contractors to ensure conduit, back boxes, door fra access conduit, etc. are in the proper locations and accessible.</li> </ul>	
1.04.01 Prior to installation	Follow and adhere to installation practices specified by NFPA-70 National Electric Code, Edition 2008.	
Show compete map of system design for approval by Owner.	Follow and adhere to installation practices specified by the Manufacturers.	
	1.02 Products Installed but not Supplied Under This Section	
End of Section	All conduit and EMT required for Fire cabling pathway in/out of closets and in/out of wall cavities at the work a	
Clock System Installation Completion Check List	EMT or Conduit for pathways shall have no more than two 90 degree sweeps and no continuous section over	
Part 1 - General	All core holes and poke through devices in the floor for the installation of Fire cabling.  All core holes and EMT sleeves between floors for the routing of Fire cabling.	
1.01 Section Includes	<ul> <li>All core holes and EMT sleeves between floors for the routing of Fire cabling.</li> <li>Back boxes for the mounting of Fire Devices.</li> </ul>	
Clock System Completion Check List	Drag line or pull string at the back boxes fished through EMT or conduit to the other end for installing Fire Cable	
1.02 Completion Check List		

## System installation shall meet all applicable Local/State codes and safety requirements where project is located. All products shall be new and un-used in original packaging. 1.03.02 Bidder/Installer Qualifications Bidding contractor shall be a local licensed Commercial Burglar Alarm Company with licensed Commercial Burglar Alarm technician(s) on staff. bidding contractor shall be certified by manufacturer to install & program the specified systems. bidding contractor shall perform all programming required to complete the installation. moore public schools shall not be required to assist in any part of the installation or programming. bidding contractor shall have at least one year experience installing dsc/dmp equipment. bidding contractor shall have a minimum of 5 years experience installing commercial burglar alarms. bidding contractor shall be able to provide insurance at the request of the owner.

Install all components as directed by Manufacturer's installation guidelines

All products shall bear the mark of UL or ETL for performance level.

SYSTEMS SPECIFICATIONS

bidding contractor shall have a commercial burglar technician on the job site at all times during installation 1.04 Delivery, Storage, and Protection Contractor shall ensure that materials delivery to work area shall be coordinated with construction site manager responsible for materials distribution to all trades.

Contractor is responsible for all materials, tools and vehicles left on the job site. Follow Manufacturer's recommendations for handling of materials.

1.05.01 Environmental Requirements Contractor shall ensure that any pollutants produced during the Work are disposed off according to local, state or AWG - American Wire Gauge national regulations. Follow the most stringent guidelines. ct shall be ge model # 1076d-m. double pole double throw for all doors (no substitutions) It is preferred that the Contractor recycle any used or un-used components during the course of the construction

red with 2 zones per single door or double door. one zone for security alarm and one zone 1.06 Sequencing Contractor shall coordinate with Owner's project manager on sequencing of various trades and construction teams | NECA - National Electrical Contractors Association for the lifecycle of the project

1.07 Scheduling Contractor shall provide a detailed construction schedule with hard dates for completion of roughing in cables, terminations and testing once scheduling sequence has been determined to the Owner's Project Manager. 1.08 Warranty

Contractor shall provide a 1 year parts and labor warranty against defective workmanship and/or system component failure. (1 year warranty shall begin at job completion)

2.02 Source Quality Control Materials shall be purchased from Distributors authorized by system Manufacturers to sell new and unused

components.

Contractor shall sweep and mop the floors of all equipment rooms or connection point closets prior to turnover to the

It is the responsibility of the Contractor to ensure equipment is protected from dust and water during the project with

Coordinate work with Owner's project manager and follow scheduling sequence as established by Owner's project

It is recommended that the Contractor schedule closely with any other systems contractor to ensure turnover date is

Contractor bidding will work closely with the electrical and or masonry contractors to ensure conduit, back boxes,

End of Section

Security System Installation

Completion Check List

Remove all protective covers and protective materials from equipment prior to turnover to Owner.

door frame access conduit, etc. are in the proper locations and accessible.

Show compete map of system design for approval by Owner.

ed outside with their corresponding module and zone numbers and installed with lock. Contractor shall make available all ceiling and termination work for inspection by Manufacturer's representative of eled inside with module number by the corresponding module and zone list definitions. Contractor shall replace all defective components. have a CAT 6 cable ran between the main control and the phone company DMARC for

3.01 Field Quality Control

1.02 Submittals

1.05 Project Conditions

Part 2 - Products

s shall have two non-sheilded16 gauge 4 conductor cables ran from the main control to the No additional work outside of the contract scope of work shall be completed without the approval of the Owner or Owner's representative.

in detectors, glass break detectors, door contacts, Keypads etc. shall be labeled with their nd zone number. Label shall be visible from the floor. 3.03 Cleaning I be sealed to prevent air and insects from entering.

wide gap contacts installed. e recessed and door magnets shall be glued in place. contact (double doors wire as one), motion detectors, glass break detectors, etc. shall be | 3.04 Protection

all be installed on all conduits to protect wire. 3.05 Schedules

nmercial burglar technician on the job site at all times during installation. with the electrical and or masonry contractors to ensure conduit, back boxes, door frame 1.03.01 Prior to installation in the proper locations and accessible.

1.03 Quality Assurance

1.03.01 Qualifications

not Supplied Under This Section uired for Fire cabling pathway in/out of closets and in/out of wall cavities at the work area. ways shall have no more than two 90 degree sweeps and no continuous section over 100 through devices in the floor for the installation of Fire cabling.

sleeves between floors for the routing of Fire cabling. iting of Fire Devices. the back boxes fished through EMT or conduit to the other end for installing Fire Cabling.

All zones have been tested to verify proper description at keypad.

Part 1 - General Security System Completion Check List 1.02 Completion Check List A map of the entire system showing device numbers and wire routes has been left inside the main control panel and a copy has been given to Jack Phillips with MPS. All panel programming has been checked and is correct. Panel(s) has been tested for proper operation.

All motion detectors have been adjusted for proper sensitivity and have been walk tested. All motion detectors have been sealed to prevent air and insects from entering. All glass break detectors have been adjusted for proper sensitivity and tested. All cabinets are labeled on the outside with module numbers and zone numbers. All cabinets are labeled on the inside with module numbers by the corresponding module and zone descriptions. All user codes have been programmed and tested for proper partition access. The monitoring station has the correct account information such as call list, zone descriptions etc. End of Section 1.09 References NFPA-70 National Electrical Code 2008 edition NFPA-72 National Fire Alarm Code UL 1666 - Standard for Safety of Flame Propagation Height NFPA 262 - Flame Travel and Smoke of Wires and Cables Local Authority Having Jurisdiction

All zones have been tested to verify proper reporting to the monitoring station.

All zones have been tested to verify they are in their proper partition(s).

All sirens and strobes have been tested for proper operation.

1.10 Definitions

EIA - Electronics Industry Alliance

FCC - Federal Communications Commission

NFPA - National Fire Protection Agency

**Access Control Equipment** 

Part 1 - Manufacture

UL - Underwriters Laboratory

BICSI - Building Industry Consulting Service International

Security Alarm) (See security alarm specs) Power Supply for locking hardware \*\*Power supply in Keyscan Controller is for the Control and Readers only. Power Supplies shall be sized to meet requirements of Strikes and locks with a maximum of 80% amp load. Power Supply shall have form "C" contacts for supervision that is connected to Keyscan Control Aux Input. 24 VDC Securitron- AccuPower- AQM20-8C/16C, AQD5-8C or equal. 2.01 Systems Installation All junctions and or splices shall be soldered and insulated. All circuits and wiring shall be labeled at all terminating ends. All devices shall be mounted in accordance to the manufactures specifications. All devices shall be properly adjusted and tested prior to job completion. All controllers shall be labeled outside with their corresponding modules and installed with lock. All controllers shall have a Cat 6 network cable Blue in color ran from the nearest network cabinet and labeled with drop number. All card readers shall be labeled with their corresponding reader number. All doors with access control shall have contacts installed for door status indication. Steel doors shall have wide gap door contacts installed. All doors with access control shall have egress motions installed to allow system to detect proper egress. (including doors with panic exit hardware.)

Door Contacts shall be GE Model # 1076D-M Double Pole Double Throw (To be utilized for Access Control and

Bosch DS160 or Honeywell IS310

All panels, power supplies and modules shall be grounded. All wire shall be run in J hooks above ceiling with a minimum space of 6" from ceiling deck. All wire shall be in separate pathways 6" from other system wiring. No wire ties allowed. No wire shall be run between the red iron All wire visible from the finished floor shall be covered in decorative wire molding. All wire ran between building shall be in conduit and shall be direct burial cable. Installer shall have a licensed Access Control technician on the job site at all times during installation. Installer will work closely with the electrical and or masonry contractors to ensure conduit, back boxes, door frame access conduit, etc. are in the proper locations and accessible. Follow and adhere to installation practices specified by NFPA-70 National Electric Code, Edition 2008. Follow and adhere to installation practices specified by the Manufacturers.

Protective grommets shall be installed on all conduits to protect wire.

3.01 Bidder/Installer Qualifications Bidding contractor shall be a local licensed Access Control Company with licensed Access Control technician(s) Bidding contractor shall have at least one year experience installing Keyscan Access Control Systems.

Bidding contractor shall be able to provide insurance at the request of the owner Bidding contractor shall have a commercial Access Control technician on the job site at all times during

3.01.1 Submittals Access Control System Manufacture shall be Keyscan (No Substitutions) Access Control Management Software = Aurora (This software is already installed and in use. It is listed for 3.01.2 Prior to installation Reader Control Panels shall be (No Substitutions)

Keyscan CA 250 = 2 Door Keyscan CA 4500 = 4 Door Keyscan CA 8500 = 8 Door Each Reader Control Panel shall be equipped with (2) 16VAC 40VA Transformer Each Reader Control Panel shall be equipped with (1) 12V 7AH Battery

One 2,4 or 8 Door Reader Control Panel per site shall be equipped with (1) Keyscan Netcom2p module. If the site has an existing 2,4 or 8 Door Control Panel with a Netcom2P already installed, then a Netcom 2P is not needed and CIM or CIM-Link modules shall be used to connect the new Control Panel to the existing Control Panel. All Reader Control Panels shall be linked together with either CIM or CIM-Link modules.

Access Control System

**Specifications** 

Each new Reader Control Panel shall be capable of 2 doors minimum

Access Control Manufacturer shall be Keyscan. (No Substitutions)

Cable Manufacturer shall be Genesis. (Or Equivalent)

1.01 Access Control Equipment Description

Peripheral device Manufacturers shall be according to equipment list. (No Substitutions)

Elementary School Card Readers shall be (No Substitutions) HID 13.56 MHz SINGLE GANG BACK BOX MOUNT READ ONLY CONTACTLESS SMART CARD READER

KEYSCAN HIGH SECURITY FORMAT C/W 36 BIT WIEGAND OUTPUT- Part # KR40SE (For use in all locations except where mullion mount reader size is required to fit) HID 13.56 MHz MULLION MOUNT READ ONLY CONTACTLESS SMART CARD READER - KEYSCAN HIGH SECURITY FORMAT C/W 36 BIT WIEGAND OUTPUT- Part # KR10SE (For use on mullion mount locations where

single gang reader KR40SE is too large) HID 13.56 MHz SINGLE GANG BACK BOX MOUNT READ ONLY C/W KEYPAD CONTACTLESS SMART CARD READER HIGH SECURITY FORMAT C/W 36 BIT WIEGAND OUTPUT- Part # KRK40SE (Do not use unless noted)

Jr High & High School Card Readers shall be (No Substitutions)

HID 13.56 MHz SINGLE GANG BACK BOX MOUNT READ ONLY CONTACTLESS SMART CARD READER - HID

required to fit) HID 13.56 MHz MULLION MOUNT READ ONLY CONTACTLESS SMART CARD READER - FULL MULLION HID ICLASS SE R15 Part # 910NTNNEK00000 or MINI-MULLION HID ICLASS SE R10 Part # 900NTNNEK00000 (For

ICLASS SE R40 Part # 920NTNNEK00000 (For use in all locations except where mullion mount reader size is

use on mullion mount locations where single gang reader R40 is too large) All Readers require 22/6 STR OAS Wire

Elementary, Jr High & High School Access Control Cards shall be (No Substitutions)

Access Control Strikes and locks shall be (No Substitutions unless approved by Moore Public Schools) RCI 0163X32D ½ inch Rim RCI 0162X32D 3/4 inch Rim RCI F0162X32D 3/4 inch Rim Fire Rated

Where storm doors are installed, install compatible power motor and power supply to activate door hardware unless installed by door contractor.

Egress Motions shall be (No Substitutions)

RCI F2164X32D

Bidding contractor shall have a minimum of 5 years experience installing commercial Access Control Systems.

Show compete map of system design for approval by Owner.

3.01.3 Prior to final acceptance Provide a soft CAD copy As-Built showing layout of Controller Panel, Card Readers, Power Supplies and all mounted equipment upon Substantial Completion.

Ensure all warranties specify that the Owner is entitled to all rights guaranteed by the warranty for various components.

3.02 Quality Assurance

3.02.1 Qualifications Install all components as directed by Manufacturer's installation guidelines.

All products shall bear the mark of UL or ETL for performance level.

System installation shall meet all applicable Local/State codes and safety requirements where project is located.

All products shall be new and un-used in original packaging.

Access Control Installation Completion Check List

Part 4 - General 4.01 Section Includes

Access Control System Completion Check List

4.02 Completion Check List A map of the entire system showing device numbers and wire routes has been left inside the main controller panel

and a copy has been given to Rodney Cobb with MPS.

All system programming has been checked and is correct.

Panel(s) has been tested for proper operation.

All card readers are labeled with reader number and have been tested to verify proper operation.

All user card and key fobs have been programmed into system and tested to verify proper operation.

All egress motion detectors have been adjusted for proper sensitivity and have been walk tested.

All controllers are labeled on the outside with module numbers.

All controllers are labeled on the inside with module numbers by the corresponding module.

sheet no:

**OFFICE** 

**ADDITION -**

NORTHMOOR

**ELEMENTARY SCHOOL** 

the Abla Griffin

Partnership L.L.C.

201 N. BROADWAY

SUITE 210

MOORE, OK. 73160

405.735.3477

AGP@theAGP.net

www.theAGP.net

KFC ENGINEERING

SALAS O'BRIEN

MECHANICAL / ELECTRICAL

drawn by

MOORE PUBLIC SCHOOLS

**BOARD OF EDUCATION** 

MOORE, OKLAHOMA

STRUCTURAL

OWNERSHIP USE OF DOCUMENTS:

AGP EXPRESSLY RESERVES ITS COPYRIGHT AND OTHER PROPERTY RIGHTS OF ALL PLANS AND DRAWINGS DESIGNED AND/OR PRODUCED, PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED IN ANY FORM OR MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF AGP.

Salas O'Brien 2600 Van Buren St., Suite 2635 Norman, OK 73072 Salas O'Brien Registration: CA# 7058 Expiration Date: 6/30/2023

Salas O'Brien Project Number: 2023-01177-00