		 Ensure nulling tensions of cables are not exceeded
STRUCTUR	ED CABLING	 Ensure pulling tensions of cables are not exceeded. Maintain proper cable bend radius of 4 times the cable's outer diameter during
Horizontal	Cabling	No splices are permitted.
Requirements		No link shall exceed 90 meters. Contractor is responsible for verifying proper
Copper cable shall be Category 6 plenum rate	d cable (blue in Color) for all work station drops.	 Pull one additional "Mule Tape" or ¼" Nylon rope when pulling cables through and action
Copper cable shall be Category 6 plenum rate Copper cable shall be Category 6 plenum rate	d cable (Vellow in Color) for all Wifi drops	Mule Tape or Nylon rope is to be pulled into conduit separately and after all of
 Approved Category 6 cables are as follows. 		installed.
Superior Essex Cat6 Plenum Part #'s 77	7-240-2B blue	 Install sleeves when puncturing walls.
77 77	7-240-4B white 7-240-6B yellow	 Cable shall not be installed between cinder block walls and roof decking.
77	/-240-5B green	Cable shall not be installed between red iron and roof decking.
Mohawk Cat6 Plenum Part #'s	M58281B Blue M58280B white M58283B yellow M58286B green	 Firestop all sleeves and conduit openings after cable installation. Terminate all pairs and conductors at all ends according to manufacturer's installation.
Berk-Tech Cat6 Plenum Part #'s	10136226 blue	 No splices are permitted in any fiber optic cable except when terminating conn
	10136230 white 10136749 yellow	Terminate all Fiber pairs.
Conseq Cate Planum Part #a	10136748 green	All optical fiber cable shall be installed in the fiber panels in accordance with the fiber panel
General Cato Plenum Part # S	7131841 white 7131802 vellow	Optical fiber Back bone cable length shall not exceed 300 meters.
	7131806 green	Copper backbone cable length shall not exceed 90 meters.
		• All back bone cables (Fiber and Copper) shall have 20' of slack at both ends.
Connector shall be Leviton part # 61110-RO6	eXtreme 6 connector for all workstation drops.	 Corning rack mount fiber patch panels are to be used where applicable.
Connector shall be Leviton part # 61110-RW6	eXtreme 6 connector for all Security camera drops.	Outdoor rated fiber will be used for all outdoor fiber runs.
Connector shall be Leviton part # 61110-RY6	eXtreme 6 connector for all Wifi drops.	Stress relief cable and the appropriate building fastener will be used on all aeri
Contractor shall provide Moore Public Schools in color) for each category 6 work station color	, Technology Department, one 5' category 6 patch cord, (blue	All aerial cables will be fastened to the stress relief cables. ue "" conduit is to be used for all buried runs, accessible at each and with a pull
cabinet.		 S conduit is to be used for an burled runs, accessible at each end, with a pulls A trace wire and warning tape will be burled with all burled runs.
 Contractor shall provide Moore Public Schools (blue in color) for each category 6 work station 	, Technology Department, one 10' category 6 patch cord, cable installed. Leave in box at network cabinet. To be	All bends in conduit will be made with sweeps.
installed by MPS Technology Dept.		 Back bone cabling shall utilize a star topology with no more than 2 levels of back
 Contractor shall provide Moore Public Schools (White in color) for each category 6 Security C 	, Technology Department, one 5' category 6 patch cord, amera cable installed. To be installed by contractor at the	Utilize Velcro ONLY in all closets.
network cabinet.		 Install all components in a neat and workmanlike manner.
 Contractor shall provide Moore Public Schools (White in color) for each category 6 Security C 	, Technology Department, one 10' category 6 patch cord, amera cable installed. Leave in box at network cabinet. To be	Install all horizontal cables and termination frames in accordance with manufacture
installed by MPS Technology Dept.		Labeling
 Contractor shall provide Moore Public Schools (Yellow in color) for each category 6 Wifi cable optimat 	installed. To be installed by contractor at the network	Label shall be a rap type with number printed multiple times enabling print to b
Capinel.	Tochnology Dopartment one 10' estagory 6 patch cord	Machine label all termination panels and face plates with cabinet and cable nu
 Contractor shall provide Mode Public Schools (Yellow in color) for each category 6 Wifi cable MPS Technology Dept. 	installed. Leave in box at network cabinet. To be installed by	 Termination panels shall be labeled in numerical order. A single drop will be labeled a total of four times. The labels will be located on
• Each cable shall be terminated on the patch p	anel in data closets.	on both ends of the cable, and on the face plate at the work station end. The la same in all four locations.
All Category 6 connectors shall be placed into	QuickPort faceplates at the workstation end.	 All 5' patch cables will be labeled at both ends. 5' cables will be installed at the
 Faceplate shall be Leviton part # 41080-6wp 		 Numbering scheme will be 00-000 where the first two digits are the cabinet nu
No substitutions.		the drop number. Example, drop number 75 in cabinet 2 will read, 02-075.
Communications B	ackbone Cabling	• Camera drop labels numerically start at 500 in each cabinet. If camera drops a the next available consecutive number will be used.
quirements - Optical fiber		 WiFi drop labels numerically start at 800 in each cabinet. If WiFi drops already available consecutive number will be used.
 1 Optical fiber cable shall be run from the MDF 	to each IDF.	Example for cabinet 1:
• Fiber shall be terminated with LC connectors.		Data (blue cable orange jacks) 01-001 to 01-499 Camera (white cable white jacks) 01-500 to 01-799
Optical fiber cable shall be plenum rated Lase	r Optimized 50 micron Multi Mode distribution fiber.	WiFi (yellow cable yellow jacks) 01-800 to 01-999
 Optical fiber cable shall be an OM3 rated cable using 850 nm wavelength. 	e guaranteed to support 10 Gigabit Ethernet for 300 meters	Label all fiber optic cables at both ends on the cable and in the break out box
Optical fiber cable shall have 24 strands using	industry standard color coding.	Test results for all Category 6 conner and fiber ontic cables shall be provided (
Optical fiber cable shall have a flame retardan	t and low smoke FEP jacket.	Technology department.
Optical fiber cable shall support 10GBase-SX	applications for the life of the system.	End of Section
 Optical fiber cable shall be armor jacketed or p aqua in color. 	protected inside plenum rated plastic inner duct orange or	
MIC Tight-buffered 024T88-33180-A3		Communications Equipment Room Fittings
No substitutions.		Equipment rack
		Free standing equipment rack shall be Chatsworth #55053-703.
equirements - Copper backbone		 Free standing racks shall be sized to accept 19 spaced equipment and handle pounds.
6 Cat 6 cables shall be run from the MDF to each a cables shall be run from the rhore Date.	ach IDF.	 Free standing racks shall have 3" side rails tapped on both sides with universa 12.24 percent
3 Cat 6 cables shall be run from the phone Dn Conport cable shall be Category 6 cable. Cross	nark to the MDF.	No substitutions
Connector shall be Leviton part # 61110-RV6	eXtreme 6 connector	Conner Patch panels
Each cable shall be terminated on the patch p	anel in data closets.	 Patch panel shall be a Leviton #49255-H24 Quick Port 110 panel with cable m
 Each cable end shall be terminated using the 	T568B pin/pair assignment.	 Patch panel shall have 24 ports taking up 1 rack mount unit.
		No substitutions.
 INO SUDSTITUTIONS. 		Horizontal cable management
• No substitutions.		 Horizontal cable manager shall be a 2 RU Chatsworth part #30130-719.
• No substitutions.		
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) 	very 4'-5' using J-Hooks or cable tray only. (no slings,	No substitutions.
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space 	very 4'-5' using J-Hooks or cable tray only. (no slings,	No substitutions. Vertical cable management
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Double 2014 for the test statement of the second seco	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703.
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Provide 30' of slack at station end in ceiling an or in the matrix of the red iron. 	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables. d not inside wall.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703. No substitutions.
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Provide 30' of slack at station end in ceiling an Slack shall be rolled neatly in a 2' loop and har 	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables. d not inside wall. nging from a j-hook in ceiling above drop location.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703. No substitutions.
 No substitutions. able Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Provide 30' of slack at station end in ceiling an Slack shall be rolled neatly in a 2' loop and hat Cat 6 data cables are to be terminated using the state of the state. 	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables. d not inside wall. nging from a j-hook in ceiling above drop location. ne T568B standard.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703. No substitutions. Optical fiber patch panel / enclosure Optical fiber patch panel / enclosure
 No substitutions. Sable Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Provide 30' of slack at station end in ceiling an Slack shall be rolled neatly in a 2' loop and hai Cat 6 data cables are to be terminated using the Leviton face plates that support 6 snap in jack 	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables. d not inside wall. nging from a j-hook in ceiling above drop location. he T568B standard. s will be used with Leviton snap in blanks in unused slots.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703. No substitutions. Optical fiber patch panel / enclosure Optical fiber enclosure shall be Corning LC loaded rack mount panel.
 No substitutions. Cable Installation Properly support horizontal cables in ceiling expouches, or D rings.) Place horizontal cables in pathways and space be in or above the red iron. Data cable will be Provide 30' of slack at station end in ceiling an Slack shall be rolled neatly in a 2' loop and ha Cat 6 data cables are to be terminated using the Leviton face plates that support 6 snap in jack Ensure terminations are at 180 degrees to the un-jacketing and are in accordance with manual 	very 4'-5' using J-Hooks or cable tray only. (no slings, es dedicated for communications cables. No pathways shall run in separate pathways from all other cables. d not inside wall. nging from a j-hook in ceiling above drop location. ne T568B standard. s will be used with Leviton snap in blanks in unused slots. jack with no more than 1⁄4" un-twisting and no more than 1⁄2" facturer's recommendations.	 No substitutions. Vertical cable management Vertical cable manager shall be Chatsworth part #30095-703. No substitutions. Optical fiber patch panel / enclosure Optical fiber patch panel / enclosure Optical fiber enclosure shall be Corning LC loaded rack mount panel. CCH-04U CCH-01U CCH-01U

	SYSTEMS SPECIFICATIONS	
	No substitutions.	Installer shall have obtained Leviton certification from the Manufacturer within 1 year prio
cement.	Ladder racking	Work.
0000	Ladder racking shall be Chatsworth #10250-718. The appropriate Chatsworth mounting bardwore shall be used	
ages.	No substitutions.	Delivery, Storage, and Protection
		 Communications Contractor shall ensure that materials delivery to work area shall be conconstruction site manager responsible for materials distribution to all trades.
cables have been	Power protection power strips	Communications Contractor is responsible for all materials, tools and vehicles left on the
	 PDU's are to be placed in all data racks. PDU shall have everleed pretection and easy to reset circuit brooker. 	Communications Contractor shall coordinate a disposal bin for the removal of all trash pr Communications Contractor personnel during the project.
	PDU shall be rack mountable.	Communications Contractor shall ensure materials are stored in an environmental area v
	 PDU shall be constructed from 18 AWG steel. 	Temperature does not exceed 120 degrees Fahrenheit nor below 32 degrees Fahrenheit
	• PDU shall have light emitting diodes to indicate "Power On" and "Ground/Polarity OK" feature.	Humidity does not exceed 80 %. No direct exposure to sunlight.
tions following color code	PDU shall be rated for 20 Amps and have a 12' L5-20P plug and ten 5-20R receptacles.	Follow Manufacturer's recommendations for handling of materials.
ors	No substitutions.	Warranty
	Installation	 Communications Contractor shall provide a 1 year parts and labor warranty against defer and/or system component failure.
nanufacturer's instructions.	Free standing racks	Communications Contractor shall execute a Lifetime Applications Assurance Warranty for
	are sized properly for rack-mount equipment before attaching the rack to the floor.	End of Section
	 All racks must be attached to the floor in four places using appropriate floor mounting anchors. When placed over a raised floor, threaded rods should pass through the raised floor tile and be secured in the structural floor below. 	Intercom System Specifications
	• All rack must be secured to the adjacent wall using ladder rack to stabilize the top of the rack and provide a cable pathway from the ceiling to the rack.	1.01 System Manufacture Intercom System Manufacturer shall be Telecor or Rauland Telecenter U IP (Match existing)
uns.	 Racks shall be grounded to the telecommunications bus bar using #6 AWG green insulated solid copper wire and any necessary attachment hardware provided by the Communications Contractor 	Cable Manufacturer shall be Belden or Equivalent
ıg inside.	Mount rack mount power strips on rack where active equipment will be placed. Ladder rack	Locations where Telecor equipment is required. It may be purchased from the following aut dealers Advanced Cabling, Inc - 405-418-4322 High-Tech Tronics, Inc - 405-495-0215
	Ladder rack shall be attached to the top of the rack to deliver cables to the rack. The rack should not be diluted to the top of the rack to deliver cables to the rack.	Locations where TelecenterU Equipment is required. It may be purchased from the followin TelecenterU dealer: Endex of Oklahoma Inc - 405-602-0001
one.	 Ladder racking shall be supported every 5' with 3/8" threaded rod anchored and secured to permanent 	1.02a Intercom Systems Equipment Description - Telecor Intercom Equipment
	ceiling structure.	 Intercom call in button shall be momentary close and compatible with existing intercom system Intercom ceiling speakers shall be Manufacture Clarity Model # S-522 (Or equivalent app
	 Loading of cable rack shall not exceed 6" depth and should have retainers every 12" to prevent cables from spilling over the sides. 	must have volume control accessible from the floor)
er's recommendations.	Where ladder racking butts up against wall the appropriately sized wall mount bracket shall be utilized.	Intercom outside paging horn shall be Manufacture Rauland Borg 3601. (Or equivalent app
	 Ladder rack shall extend vertically up wall and through drop ceiling to gain access to cavity above drop ceiling. 	 Locations where Telecor equipment is required. It may be purchased from the following aut dealers Advanced Cabling, Inc 405-418-4322
gible from any angle.	• Ladder racking shall utilize all appropriate radius drop stringers, corner bends and other devices to maintain	High-Tech Tronics, Inc - 405-495-0215 1.02b Intercom Systems Equipment Description - Rauland Telecenter U IP Intercom Equipment
. cable benc	Mating pieces of ladder racking together shall utilize appropriate butt splice and iunction splice kits.	 Classroom Intercom Equipment Call button shall be Part # 603302 Dual Level call switch.
patch panel in the rack,	 All cut and exposed sharp ends shall utilize a plastic end cap to prevent injury. 	 Ceiling speakers shall be Part # BAFKI12X2L8RJ - 8 Ohm ceiling tile replacement speconnector. IP Classroom Modulo shall be TCC2011 IP Modulo (*Modulo required for each classroom)
s are to read exactly the	Cable management	network drop)
binet.	 Vertical cable manager shall be installed on every rack vertical rail. Where two rack rails will be butted 	 Hallway/Commons/Outside Intercom Equipment TCC2022-IP Zone page module (*Requires POE network drop)
er and the last three are	together there shall be two vertical wire managers between the racks.	 Appropriate size amp for quantity of speakers. BAFKIT2X2L- 25 volt ceiling tile replacement paging speaker (For all classroom & hallway paylord Page 2001, Loud agging hore (For all classroom and hore).
ady exist in said cabinet	Horizontal wire managers shall be utilized above and below every copper and fiber patch panel.	Kauland Borg 5001 - Loud paging norm (Por an outside & large area locations such as g
at in acid achinat the pout	 All cables shall sweep in and out of any cable management product without a deformation of cable jacket. Ensure cables are properly supported when using cable management to ensure cables do not sag 	TelecenterU dealer Endex of Oklahoma Inc - 405-602-0001
	 Utilize Velcro ONLY for securing of cables on cable management. 	 1.03 Systems Installation All non-IP cabling shall be shielded and have a minimum of 5 conductors.
	Copper and Fiber patching panels	All network IP cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling System Specifications for cabling shall be Cat6 (see structured cabling shall be Cat6 (see s
	Route all cables to backside of termination panels in an asymmetrical orientation to ensure cable bundles are split events	All wire shall be shielded and have a minimum of 5 conductors.
	 Utilize rear wire management bars for supporting cables into point of termination. 	All circuits and wiring shall be labeled at all terminating ends.
	 Secure all cables on all panels using Velcro ONLY to prevent cables from pulling away. 	All devices shall be mounted according to the manufactures specifications.
loore Public Schools,	End of Section	 All room circuits shall run from the intercom system to the call button then to the room spea
	Quality Assurance	All extra speaker wire taps shall be insulated.
	 Install all components as directed by Manufacturer's installation guidelines. 	All rooms shall be individually wired and terminated at the intercom system on individual po
	All products shall bear the mark of UL or ETL for performance level.	• All rooms shall be tested to verify proper room number programming and operation.
	 System installation shall meet all applicable Local/State codes and safety requirements where project is located 	All call buttons shall be labeled with their corresponding system point number.
total weight load of 1, 000	 All products shall be new and un-used in original packaging. 	Protective grommets shall be installed on all conduits to protect wire.
, i i i i i i i i i i i i i i i i i i i	Follow and adhere to installation practices specified by the applicable Telecommunications Industry	 All wire shall be run in J hooks above ceiling with a minimum space of 4 from ceiling deck. separate pathways 6" from other system wiring. No wire ties allowed. No wire shall be run b iron and roof deck.
le patterns for threaded	Association standards. Follow and adhere to installation practices specified by BICSI Information Transport System Installation	All wire ran between building shall be in conduit and shall be direct burial cable. It shall be a
	 Follow and adhere to installation practices specified by BICSI Telecommunications Distribution Methods. 	conductor 18 AWG copper.
	 Follow and adhere to installation practices specified by NFPA-70 National Electric Code. 	 Installer shall supply the electrical and or masonry contractors with specialty back boxes and them to ensure that all necessary conduits, back boxes, etc. are installed in the proper local
igement bar.	Follow and adhere to installation practices specified by the Manufacturers.	Follow and adhere to installation practices specified by NFPA-70 National Electric Code, Ed
	 Contractor shall make available all ceiling and termination work for inspection by Manufacturer's representative or owner's representative. 	 Follow and adhere to installation practices specified by the Manufacturers. 1.04 Quality Assurance
	Contractor shall replace all defective components.	Install all components as directed by Manufacturer's installation guidelines.
	Bidder/Installer Qualifications	All products shall bear the mark of UL or ETL for performance level.
	 Bidding Contractor shall be a licensed to install telecommunications systems in the state where work will be performed. 	 System installation shall meet all applicable Local/State codes and safety requirements who located.
	Bidding Contractor shall be Leviton certified for at least one year	 All products shall be new and un-used in original packaging. 1.03.02 Bidder/Installer Qualifications
	 Bidding Contractor shall have a minimum of 5 years experience installing structured cabling for telecommunications 	Bidding contractor shall have a minimum of 5 years experience installing school intercom s
	 Bidding Contractor shall have the capability to bond project in its entirety. 	Bidding contractor shall be able to provide insurance at the request of the owner.
	 Bidding Contractor shall be able to provide insurance at the request of the owner. 	 1.05 Delivery, Storage, and Protection Contractor shall ensure that materials delivery to work area shall be coordinated with const manager responsible for materials distribution to all trades
	Installer shall have an onsite supervisor and one technician who are certified by the Manufacturer to install the Manufacturer telecommunications and unter	Contractor is responsible for all materials, tools and vehicles left on the iob site.
	 Communications Contractor shall have an RCDD on staff for at least one year. to certify that the 	Follow Manufacturer's recommendations for handling of materials.
	Communications System can support the required applications on the various cabling media.	

ior to performing the	1.06 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 	
cordinated with	1.07 Warranty	
oordinaled with	 Contractor shall provide a 1 year parts and labor warranty against defective workmanship and/or system component failure. 	
e job site. produced by the	Part 3 - Execution	
	3.01 Field Quality Control	
wnere: eit.	 Contractor shall make available all ceiling and termination work for inspection by Manufacturer's representative or owner's representative. 	
	Contractor shall replace all defective components.	
	 No additional work outside of the contract scope of work shall be completed without the approval of the 	
ective workmanship	3.03 Protection	
for parts and labor to	 It is the responsibility of the Contractor to ensure equipment is protected from dust and water during the project with appropriate materials. 	
	 Remove all protective covers and protective materials from equipment prior to turnover to Owner. 	
	3.04 Schedules	
ng system.)	 Coordinate work with Owner's project manager and follow scheduling sequence as established by Owner's project manager. 	
, ,,	 It is recommended that the Contractor schedule closely with any other systems contractor to ensure turnover date is met. 	
uthorized Telecor	• Contractor bidding will supply the electrical and or masonry contractors with any 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.	
ing authorized	End of Section	
stem	1.04 Submittals	
proved by MPS	1.04.01 Prior to installation	
oproved by MPS)	 Show compete map of system design for approval by Owner. 	
uthorized Telecor	3.02 System Requirements	
nent	Intercom system shall be capable of communicating to all rooms and shall have adequate number of room points as to not double up on any given point. End of Section	
eaker with RJ45	Intercom System Installation	
om, *Requires POE	Completion Check List	
	1.01 Section Includes	
way locations) gympasiums, etc.)	Intercom System Completion Check List	
ng authorized	1.02 Completion Check List Main control panel has a man of the entire system inside and a copy has been given to lack Phillips with	
	MPS.	
ling information)	 All intercom programming such as bell times, tornado drill alert, etc has been checked and is correct. Intercom has been tested for proper operation. 	
	All rooms have been tested to verify proper description at console.	
	All speakers have been tested to verify proper operation and volume.	
	 All extra speaker wires have been tapped or insulated All call buttons are labeled and have been tested for proper operation. 	
eaker.	End of Section	
pointe (No De L''		
סוווש) (אט Doudling)	Clock System Specifications	
	1.01 System Manufacture	
k. All wire shall be in	• Clock Equipment shall match existing system. (Must be compatible with schools existing system.)	
between the red	Locations where Telecor equipment is required. It may be purchased from the following authorized Telecor dealers	
a minimum of 5	Advanced Cabling, Inc - 405-418-4322 High-Tech Tronics, Inc - 405-495-0215	
and coordinate with cations.	1.02 Intercom Clock Systems Equipment Description	
Edition 2008.	 Intercom Digital Clocks shall be hard wired and may not use battery power for its primary power source. Clocks shall be 4 inch and be compatible with existing system. Clocks must be compatible with existing clock system. 	
here project is		
systems.		
struction site		
	Salas O'Brie	
	2600 Van Buren St., Suite 2635 Norman, OK 73072	
	Salas O'Brien Registration: CA# 7058 Expiration Date : 6/30/2025	



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WDB ENGINEERING

SALAS O'BRIEN

CIVIL

MECHANICAL / ELECTRICAL

checked by <u>MAY 2023</u> date revisions

drawn by

MOORE PUBLIC SCHOOLS BOARD OF EDUCATION MOORE, OKLAHOMA



LOCKER ROOM ADDITION MOORE WEST JUNIOR HIGH SCHOOL

sheet no:

Salas O'Brien Project Number: 2023-04636-00



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