

# Access Control for Barry/Jefferson **REOUEST FOR OUOTE**

QUOTE#: CI 23 Q 00665 DATE: 04/06/2023 DUE DATE: 04/26/2023

Please provide a competitive price quote for the listed services below. Contact Senior Project Manager, Kevin Pilate at 901-544-1882 or by email: kpilate@memphisha.org

Deadline for submitting a price quote is Wednesday, April 26. 2023, by 3:00 pm. Fax or email your quote to Kevin Pilate, Senior Project manager, Capital Improvements at 901-544-1882 or <a href="mailto:kpilate@memphisha.org">kpilate@memphisha.org</a>

The Memphis Housing Authority is requesting a quote to Install an Access Control System to limit Access at Barry Tower and Jefferson Square Apts. The contractor is responsible for any demo and/or repairs needed to complete the Installation of the Access Control System and Hardware. The contractor shall be responsible for any subcontractors needed to complete said work. The contractor shall follow the construction drawings and specification for a turnkey project. MHA requires, that all potential bidders visit the job site to assess the existing condition and provide a cost for a complete job. MHA reserves the right to award this project in its entirety, partial, or not at all.

#### **General Requirements:**

- Active licenses and surety bonds.
- The Contractor shall provide all the necessary permits, insurance, materials, supplies, labor, equipment, and supervision for a turnkey project. The selected contractor performing the scope of work listed below shall be licensed as required by the State of Tennessee. Scheduled work hours shall be from 8am 4:30pm, Monday through Friday. All bidders shall visit the site to gain familiarity and field verify all dimensions.
- The Contractor shall install wiring, doors, door hardware, and other components as specified in construction documents, to ensure the new access control system is completely functional.
- The contractor shall be responsible for removing all debris daily and ensuring a safe environment for the workers and the residents.

#### **Project Execution**

1. No later than the first day following the Notice to Proceed, the Contractor shall submit a work schedule and product submittals on specified goods and materials for MHA approval. Allow MHA at least one day to review and provide a response.

- 2. Goods and services applied prior to MHA approval will be performed at the Contractor's risk. The cost to remove and apply the specified item(s) or approved substitute(s) shall not result in an additional cost to MHA.
- 3. The Contractor is required to submit a notification of service interruption, seventy-two (72) hours prior to disabling any utility service that will affect the residents.

#### **Wage Rates**

Wage rates paid to employees shall be based on and not less than the latest Non-Routine Maintenance wage rates.

#### Insurance

The Contractor shall provide and maintain adequate worker's compensation and comprehensive general liability insurance coverage for the complete period of the contract. The minimum Comprehensive General Liability coverage for this project is One Million Dollars and Zero Cents [\$1,000,000.00]

#### **Allowances**

The bid form includes an allowance which will be used for unforeseen conditions not specified in the contract documents. Any work the contractor considers a change to the contract shall be approved by MHA prior to providing goods and services. Unused allowance remains the property of MHA and shall be deducted from the contract value via a deductive change order prior to project-close out.

#### **Payment**

Upon approval of work, the Contractor shall submit one payment application for this work.

#### **Site Visits**

Site visits can be scheduled with Kevin Pilate.

#### **Questions**

Any prospective bidder desiring an explanation or interpretation of the solicitation, scope of work, etc. must request it in writing to Kevin Pilate, Senior Project Manager, Capital Improvements via email to <a href="mailto:kpilate@memphisha.org">kpilate@memphisha.org</a> no later than 4:00 p.m. CST Tuesday April 18, 2023.

#### Quotes

A firm fixed price must be provided. The bidder is asked to provide a quote relating to the requirements outlined in this document. Quotes can be emailed to Kevin Pilate at <a href="mailto:kpilate@memphisha.org">kpilate@memphisha.org</a> or delivered via mail or hand delivered. Hand deliveries and mail should be addressed to:

Kevin Pilate, Senior Project Manager Capital Improvements Department Memphis Housing Authority 700 Adams Avenue, Room 107 Memphis, TN 38105 All quotes shall be submitted on the Bid Form no later than 3:00 p.m. CST, Wednesday, April 26, 2023. Reference Exhibit A for the Quote Form. All work is to be completed within Forty-five (45) business days from the date of the Notice to Proceed.

#### **Addenda Items**

All changes to the work scope will be posted on the MHA website: memphisha.org and sent to all plan's holders. Search under the RFP/RFQ link.

#### Exhibit A

Memphis Housing Authority												
QUOTE												
Jefferson Square/Barry Tower												
Item	Task Description	Unit	Quantity	Unit Cost	Total Cost							
1	Mobilization	LS	1									
2	Access Controls	LS	1									
3	Low voltage installation	LS	1									
4	Doors And Hardware	LS	1									
5	Elevator Controls	LS	1									
6	Allowance	LS	1	\$ 10000	\$10000							
TOTAL:												

Note: All costs shall include, materials, labor, supplies, equipment, code inspections, permits, insurance, direct and indirect costs, and supervision for a turnkey project.

Bid Guarantee in the sum of	dollars			
(\$	)			
in the form of				
is submitted herewith in accordance with the Instructions to Bidders.				
The undersigned acknowledges the receipt of the following Addenda and has included them in this bid.				

#### NOTICE TO PROCEED

The undersigned agrees to commence actual work on the site with an adequate force & equipment within seven [7] business days of the date of "Notice to Proceed."

#### **CONSTRUCTION TIME**

The undersigned agrees to complete all of the work described by the aforementioned "Contract Documents" by **the time as listed below**.

BASE BID: Forty -Five [45] consecutive business days (Monday – Friday) 8 a.m. to 4:30 p.m. from the Notice to Proceed.

#### **LIQUIDATED DAMAGES**

The undersigned agrees to pay, as liquidated damages, the sum of <u>One hundred Fifty dollars</u> <u>and zero cents (\$150.00)</u> per day for work per day per uncompleted contracting beginning day <u>one</u> after completion date.

#### PERFORMANCE & PAYMENT BOND

For bids greater than \$25,000.00, upon receipt of a written acceptance of this bid, Bidder shall deliver performance & payment bond in accordance with HUD 5369 [10/02], "Instructions to Bidders for Contracts, Public & Indian Housing Programs, page 3, clause 10.

		acts, Public & Indian				-	j, 1115tro	ctions to
event the de	of the Control elay and ado nt of this bio	than \$25,000.00,dollars [\$ act and bond are not ditional expense to the dand the amount for emade payable to the	executed with the Owner, or which a co	to become the time who is endountered to the contract for	ne the properties the set forte to the work of the wor	operty of h, as liqui the differ	the Own dated dar ence bet	ner in the mages for ween the
Payme	ith as appur	ump sum price bid tenant and incidental			•		•	
SUBM	MITTED BY	:[Signa			DA7	ГЕ:		
NAMI	E & TITLE:	[Pleas	e print]					



DEXTER D. WASHINGTON, MHA CEO

# MHA BOARD OF COMMISSIONERS

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# ACCESS CONTROL AT ELEVATORS & STAIRS - JEFFERSON/BARRY MEMPHIS HOUSING AUTHORITY

Jefferson - 741 Adams Barry - 255 N. Lauderdale Memphis, TN

63257-1 4.5.2023 CONSTRUCTION DOCUMENTS



Allen & Hoshall 1661 International Drive Memphis, TN 38120 901 820 0820 fax 901 683 1001 **ABOVE** 

ACT

A/C

ACC

ADD

ADJ

AFF

AFG

ALT

AL, ALUM

APPROX

**ARCH** 

BITUM

BLDG

BLKG

BO

BOT

B/N

**BSMT** 

BTU

CAB

CFLG

CFOI

ACOUSTICAL CEILING TILE

ACCESSIBLE, ACCESSORIES

AIR CONDITIONING

ABOVE FINISH FLOOR

ABOVE FINISH GRADE

ALTERNATE (IVE)

**ADDITIONAL** 

**ADJUSTABLE** 

ALUMINUM

**APPROXIMATE** 

**ARCHITECTURAL** 

**APARTMENT** 

BITUMINOUS

BUILDING

**BLOCKING** 

**BOTTOM OF** 

BOTTOM

**BETWEEN** 

**BASEMENT** 

CABINET

**BRITISH THERMAL UNIT** 

COUNTERFLASH (ING)

CONTRACTOR FURNISHED : OWNER INSTALLED

BRICK

BOARD

**ABBREVIATIONS** 

**QUARRY TILE** 

**RADIUS** 

RAD

RB

RCP

RD

REC

REF

REINF

REQD

RES

RET

REV

RFG

RH

RM

RO

ROW

RST

RT

RTU

S&R

SB

SC

SD

SEC

SECT

SHTG

SHV

SIM

SOG

SPEC

SQ

SSM

SST

ST

STC

STD

STER

STL

STN

STOR

SUSP

T&G

TEL

TEMP

TFF

THK

TLT

TN

TOB

TOC

TOS

TOW

TPD

**TPTN** 

TRTD

TV

TYP

UL

UNO

UR

UTIL

VCT

VEND

**VERT** 

VIF

VIN

VR

VTR

W/

W/O

WC

WCJ

WCO

WD

W/D

WG

WO

WP

WR

VFCI

VFOI

WOM

WIND

UNFIN

**THRES** 

STRUCT

**SPKLR** 

SQ IN

SL

SP

SF

SCR

SCHED

RF

RC

RADIUS, RISER

RUBBER BASE

RECESSED

REOUIRED

RETAINING

ROOFING

ROOF LEADER

ROUGH OPENING

RUBBER STAIR TREAD

SHOWER CURTAIN ROD

SQUARE FOOT (FEET)

SHELF, SHELVING

SLAB ON GRADE

SPECIFICATION

SQUARE INCH

STAINLESS STEEL

STANDING SEAM, SANITARY SEWER

SOUND TRANSMISSION COEFFICIENT

SOLID SURFACE MATERIAL

STAIR, STREET, STONE

SOUNDPROOF

SPRINKLER

STANDARD

**STERILIZER** 

STEEL

STAINED

STORAGE

TREAD

STRUCTURE (AL)

TONGUE AND GROOVE

TEMPORARY, TEMPERED

TOP OF FINISH FLOOR

SUSPENDED

TELEPHONE

THICK (NESS)

THRESHOLD

TRUE NORTH

TOP OF BEAM

TOP OF CURB

TOP OF SLAB

TOP OF WALL

TREATED

TYPICAL

URINAL

UTILITY

VENDING

VERTICAL

WITHOUT

WOOD

VERIFY IN FIELD

VAPOR RETARDER

WASHER, WIDE

VENT THROUGH ROOF

WALL CONTROL JOINT

WALL CLEAN OUT

WASHER/DRYER

WALK OFF MAT

WINDOW OPENING

WATER PROOFING

WATER RESISTANT

WIRED GLASS

WINDOW

WALL COVERING, WATERCLOSET

VENDOR FURNISHED, CONTRACTOR INSTALLED

VENDOR FURNISHED, OWNER INSTALLED

TELEVISION

UNFINISH(ED)

TOILET PARTITION

TOILET PAPER DISPENSER

UNDERWRITER'S LABORATORIES

UNLESS NOTED OTHERWISE

VINYL COMPOSITE TILE

THROUGH

TOILET

TERAZZO

SOUARE

SEALED CONCRETE, SOLID CORE (DOOR)

RIGHT OF WAY

**ROOF TOP UNIT** 

SHELF AND ROD

SPLASH BLOCK

SCHEDULE

SECURITY

SECTION

SIMILAR

SLOPE

SHEATHING

STORM DRAIN

ROOF

ROOM

REINFORCED CONCRETE

ROOF DRAIN, ROAD

REINFORCE (D), (ING)

RESIDENTIAL, RESILIENT

REVISION (S), REVISED

ROOF HATCH, RIGHT HAND

REFLECTED CEILING PLAN

REFER (ENCE), REFRIGERATOR

GAGE, GAUGE

GYPSUM BOARD

GOVERNMENT

**HEAD HEIGHT** 

**GENERAL** 

**GYPSUM** 

HEADER

**HARDWARE** 

HARWOOD

HEIGHT

INCHES

**HOLLOW METAL** 

HARDWOOD FLOORING

INSIDE DIAMETER

INCLUDING(ED)

**INFORMATION** 

**INSULATION** 

INTERNATIONAL BUILDING CODE

HEATING, VENTILATION, AND AIR CONDITIONING

HORIZONTAL

HIGH

GALVANIZED, GALVANIC

GENERAL CONTRACTOR

GLUE LAMINATED WOOD

GLAZED MASONRY UNIT

GYPSUM WALL BOARD

GALV

GB

GC

GEN

GLU LAM

GLZ CMU

GOVT

GWB

HD HT

HDR

HDW

НМ

HT

HVAC

HWF

IBC

INCL

INSUL

HDWD

HORIZ

GYP

# **ACCESS CONTROL SYSTEM DESCRIPTION / USE CASES**

**Issue to resolve:** Non-residents are gaining access to the building in spite of having card access on exterior doors. Once in the building they are traversing to other floors and camping out in any available space. Tenants do not feel safe with these trespassers on premise. We need to limit the ability of these trespassers to move around the building or stay in the building

**Requirement:** Stop trespassers from accessing stairwells, propping open doors and in general trying to live in the

**Request:** Implement card access to elevators and stairwells.

**Stairwells:** Barry Door B110 & B113 will be emergency exit doors to the outside of the building.

Door will have door position sensor that will be tied into the camera system so that if the door is opened, it will trigger the camera and notify monitoring center, and building management. Door B112 & B115 allow free egress into hallway

Exit device on inside of room Escutcheon trim will be in hallway. This must be connected to the fire alarm so that it unlocks in the event of a fire.

Card reader on hallway side of door

Examples of how the system will work (Use cases):

Resident freely egress through B111, B112, B114 or B115 and enter the hallway to exit out of B110 or B113 to leave the building.

However, once the enter the hallways containing either B110 or B113, they will need a credential

to leave the hallway through B111, B112, B114 or B115. Once someone without a credential enters that hallway with B110 or B113, the only way out is to go through B110 or B113. These doors will alarm, activate the camera and notify the monitoring

**Stairwells:** Jefferson Door J113 & J115 and J111 will be emergency exit doors to the outside of the building.

Door will have door position sensor that will be tied into the camera system so that if the door is opened, it will trigger the camera and notify monitoring center, and building management.

Door J110, J112 and J114 will be delayed egress doors Delayed egress from hallways to stairwells.

Bar should chirp when it arms. Panic bar with alarm and electronic escutcheon trim

This will also need to be tied into the fire alarm system. When the fire alarm is activated, the

escutcheon trim will fail safe and the door will remain latched. Access control on both sides of the door so that a tenant can swipe to go through the door without setting off the alarm.

Need one reader for entering and one for exiting

Egress bar & Trim will be connected to camera monitoring system to trigger an unauthorized door

Examples of how the system will work (Use cases):

Tenant uses access card to enter building and proceeds to stairs where they will see a delayed egress exit device with signage that says something to the effect of "PUSH TO OPEN" and "PUSH UNTIL ALARM SOUNDS - DOOR CAN BE OPENED IN XX SECONDS" Additionally, there will be a card reader next to the door.

If tenant or trespasser ignores signage and presses the bar, the bar will sound for 15/30 seconds and then release thereby allowing person to enter the stairwell without use of

Camera above the door will capture the person that activated the door. Monitoring company will capture the event and call building security.

access card. (This is a life safety issue required by code.) In this scenario, the:

Exit device will silence and reset when door is closed. It will make a chirp to know it is rearmed. Tenant uses the card reader and presents access card:

The door will unlock and allow tenant to enter the stairwell without alarm. • This is a normal activity and no other action will take place.

Tenant comes down the stairs and tries to enter the first floor. They will not be able to go

through the door until a card is presented. If they do not have a card:

They can go back up the stairs to their floor.

They can exit out the emergency exit to the outside. Trespasser is on the stairs side: They can only go back up the stairs and down the elevator to leave or exit through the

**Elevators:** Barry

Each elevator will have a card reader/keypad in the elevator. Camera system:

Replace current cameras and NVR with one that can be connected to a CHeKT Bridge for connection to a CHeKT monitoring center. Similar equivalent solution can be implemented such as ARCEYE.

Cameras positioned per map and activated by door position sensors and/or loitering or line cross. Must be NDAA (National Defense Authorization Act) compliant and have ONVIF

Camera must have loitering, microphone, speaker, and light When activated via loitering or alarm trigger central station will be notified and

then we have options: Prerecorded messages

Live talk down

Ability to notify building personnel

If door position sensor is activated, feed will be sent to monitoring center and building personnel. They will decide if it is a threat or not and the appropriate action.

It needs to be able to identify anyone loitering in the stairwell for more than 15 seconds

#### Examples of how the system will work (Use cases):

a fire alarm is activated.

A tenant gains access to building using their access card. They want to use elevator: Once they enter the elevator, they push their floor. The elevator will not move.

If they enter the elevator and present access card, when they push the button, it will take them

When tenant is on a floor and presses the call button for elevator, it will show up. When they enter and push a button, it will take them to that floor. If they go to the first floor, they will not be able to go back up again until an access card is presented. Tenant has visitor

They will be able to let visitor through the front door using the intercom system. Visitor will only be able to get into the lobby. Resident will have to escort visitor from lobby to their residence. Trespasser tailgates into the building (It is the responsibility of the tenants to verify that people following them through the building are actually residents):

Trespasser will not have an access card to enter the elevator or stairwell. So, they will be prevented from accessing other areas. They can always leave the way they entered the building or through the fire exits at each end of the building.

If trespasser is able to enter the floors or the stairs by tailgating:

They will be able to take the elevator back to the first floor and leave normally. They will be able to take the stairs to the first floor

1. If they take the stairs down, they will be able enter the egress hallway, but they will not be able to reenter the first floor or the stairwell, as they do not have an

access card to reenter the main floor. They will only be able to exit through the

alarmed exterior doors. Forced entry through exterior doors into stairwell. a. If anyone opens the door from the outside, an alarm will sound and the monitoring company will

use cameras to visually verify. They will then notify building personnel or police and send video footage depending on the protocol provided to the monitoring center. Stairwells will have intelligent cameras with monitoring:

Residents or Trespasser that end up on the first floor of the stairwell will be monitored.

Motion sensors will detect a loiterer after 15 seconds, at which point the alarm monitoring company will be alerted.

Monitoring company will evaluate the situation and determine a course of action. They will then play an appropriate prerecorded message. Then contact MHA security with video footage and send report to MHA person responsible for the environment. Examples of recordings:

Loitering: "You are not authorized to be in this area. Please leave this area now. Urinating: "This is not a bathroom. Your actions have been recorded and

appropriate actions are now being taken." Violation of delayed egress: "You have not entered the stairwell with a credential. This activity has been recorded and appropriate action is

6. Fire in the building Doors with access control will stay actively latched but become unlocked at the point in time that

#### ARCHITECTURAL

**SYMBOL LEGEND** 

A101

Room

101

1t

FIRST FLOOR
10'-0"

<u>/1</u>

SE-1

NORTH ARROW

PLAN DETAIL

NUMBER

**ELEVATION** 

— COLUMN GRID

DOOR NUMBER

STOREFRONT TYPE

WINDOW /

WALL TYPE

CENTERLINE

SPOT ELEVATION

LEVEL NAME

**ELEVATION** 

EXISTING SPACE -

**DEMO TAG** 

**REVISION TAG** 

NO WORK

SPECIALTY EQUIPMENT

TOILET ACCESSORIES

FLOOR DRAIN

ENLARGED PLAN OR

SHEET INDEX, ABBREVIATIONS AND SYMBOLS

A1.1 BARRY TOWER A1.2 JEFFERSON SQUARE

A2.1 DOORS AND HARDWARE A2.2 ELEVATOR CONTROL DIAGRAMS Allen&Hoshall engineers • architects • surveyors

> 1661 International Drive, Suite 100 Memphis, TN 38120 901 820 0820 fax 901 683 1001

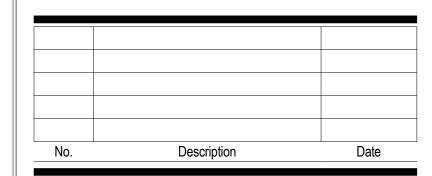
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**ACCESS CONTROL AT ELEVATORS & STAIRS -**JEFFERSON/BARRY

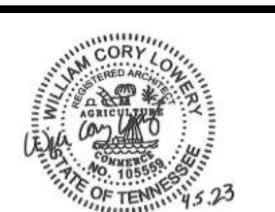
Jefferson - 741 Adams Barry - 255 N. Lauderdale Memphis, TN

### MEMPHIS HOUSING **AUTHORITY**



SHEET INDEX, **ABBREVIATIONS AND** SYMBOLS

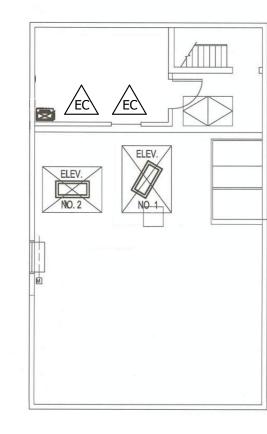
JOB NO: 63257-1 DATE: 4.5.2023 DRAWN: WCL CHECKED: WCL



CONSTRUCTION DOCUMENTS

M:\63257-MHA - High Rise ARCH 2023 (BARRY AND 4/5/2023 4:42:04 PM

# **BARRY FIRST FLOOR PLAN**1" = 10'-0"



**BARRY ELEVATOR PENTHOUSE PLAN**1" = 10'-0"

# **FLOOR PLAN LEGEND**

REFERENCE DOOR HARDWARE SCHEDULE FOR WORK ASSOCIATED WITH THIS DOOR.

### **INTERIOR GENERAL NOTES**

1. ALL SURFACES / FINISHES THAT ARE ALTERED AS PART OF THIS PROJECT SHALL BE REPAIRED TO APPEAR SEAMLESS WITH ADJACENT FINISHES. ANY DISTURBED, PAINTED AREAS SHALL BE REPAINTED TO THE CLOSEST HARD EDGE TO APPEAR SEAMLESS.

2. ANY COMPONENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH MATERIALS EQUAL TO THOSE THAT WERE DAMAGED.

#### **ACCESS CONTROL DEVICES**

PRODUCTS AND MANUFACTURERS LISTED BELOW ARE BASIS OF DESIGN, HOWEVER THEY HAVE BEEN SELECTED BECAUSE OF COMPATIBLILTY WITH EXISTING DEVICES. ANY "OR EQUAL" PRODUCTS MUST BE SUBMITTED DURING BIDDING PHASE AND MUST BE COMPATIBLE WITH ALL EXISTING SYSTEMS OPERATED BY THE OWNER.



## EXISTING ACCESS COMMANDER BOX LOCATION 01672-001 2N ACCESS COMMANDER BOX

01672-001 2N ACCESS COMMANDER BOX
QTY (2) 01372-001-2N ACCESS COMMANDER EXISTING TO REMAIN. NEW CONTROLS TO TIE INTO
THIS EXISTING CONTROL BOX.



## ACCESS UNIT / CARD READER

MANUF: 2N MODEL: 2N-01852-001 ACCESS UNIT 2.0 TOUCH

KEYPAD AND RFID
OPTIONS: PROVIDE HOUSING AND COVER AS REQ'D



# ACCESS CONTROLS AT ELEVATORS REFERENCE ELEVATOR CONTROL DIAGRAMS FOR PART

NUMBERS AND CONFIGURATIONS.



#### NETWORK CAMERA: TP-MEAD8M28 (NEW LOCATION)

MANUF: TURING
MODEL: TP-MEAD8M28 SMART SERIES NETWORK
TURRET CAMERA
OPTIONS: NDAA COMPLIANT



# NETWORK CAMERA: TP-MEAD8M28 (REPLACE EXISTING CAMERA)

MANUF: TURING
MODEL: TP-MEAD8

MODEL: TP-MEAD8M28 SMART SERIES NETWORK
TURRET CAMERA
OPTIONS: NDAA COMPLIANT



#### CAMERA BRIDGE AND NETWORK RECORDER RRIDGE: OPTEX VISUAL VERIFICATION RRIDGE, CKR-31

BRIDGE: OPTEX VISUAL VERIFICATION BRIDGE, CKB-312 NETWORK VIDEO RECORDER: NVR-3216-16P-AI

PROVIDE ONE OF EACH UNITS ABOVE AT EACH LOCATION SHOWN

#### CAMERA MONITORING

ALL CAMERAS TO BE CONNECTED TO AND MONITORED BY A
MONITORING COMPANY THAT DOES VIDEO VERIFICATION THROUGH
TRIGGERS ASSOCIATED WITH LOITERING OR OTHER NEGATIVE
BEHAVIORS.

# LOW VOLTAGE GENERAL NOTES

1. IT IS THE INTENT OF THIS PROJECT TO EXTEND THE EXISTING ACCESS CONTROL SYSTEM TO THE DEVICES SHOWN AT EACH PROJECT LOCATION. ANY COMPONENTS THAT ARE NOT SHOWN ON THESE DRAWINGS BUT ARE NEEDED FOR THIS SYSTEM TO FUNCTION AND BE CODE COMPLIANT ARE TO BE INCLUDED AS PART OF THIS BID. IF THERE IS A QUESTION REGARDING SYSTEM FUNCTIONS OR COMPONENTS, IT MUST BE SENT IN WRITING TO THE ARCHITECT DURING THE BIDDING PHASE.

2. EXISTING CONDUIT CAN BE REUSED, WHERE POSSIBLE. RUN NEW CONDUIT WHERE NECESSARY. IF POSSIBLE, ALWAYS RUN NEW LOW VOLTAGE WIRING IN CONCEALED SPACES. PAINT ALL CONDUIT (EXISTING AND NEW) WHEN COMPLETED.



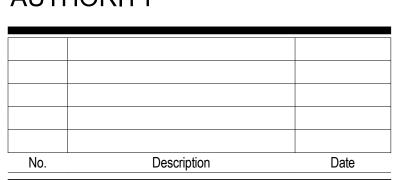
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ACCESS CONTROL AT ELEVATORS & STAIRS - JEFFERSON/BARRY

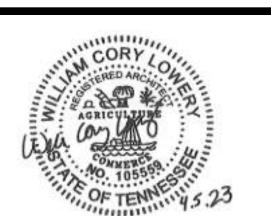
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MEMPHIS HOUSING AUTHORITY

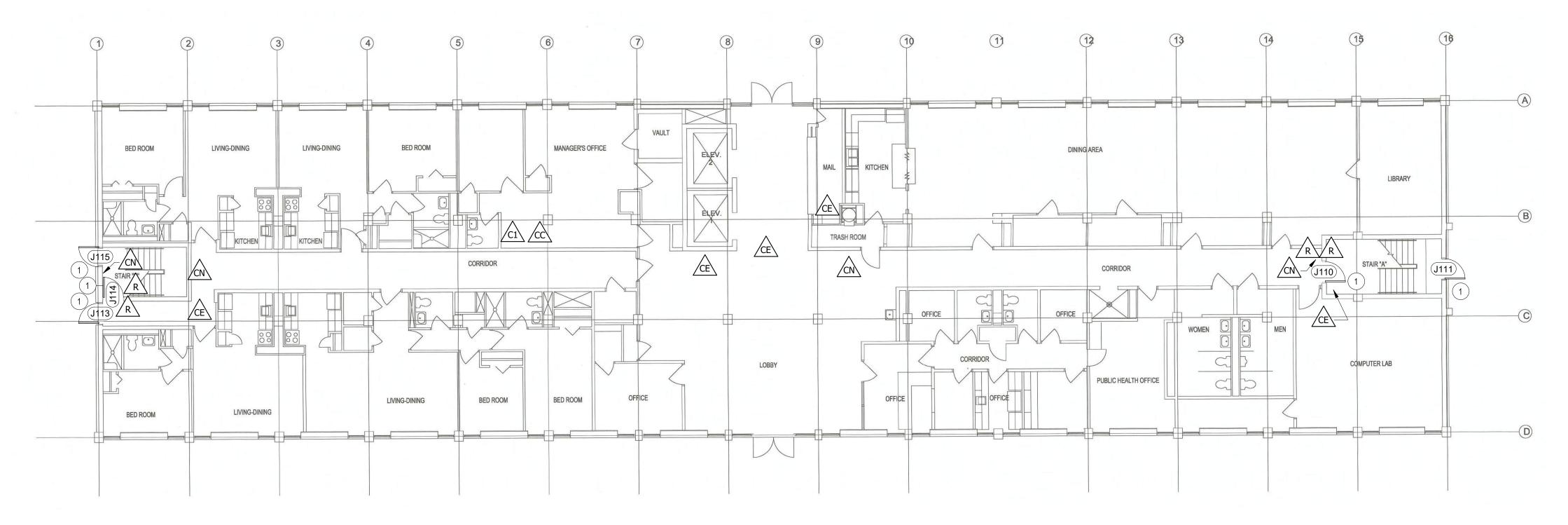


BARRY TOWER

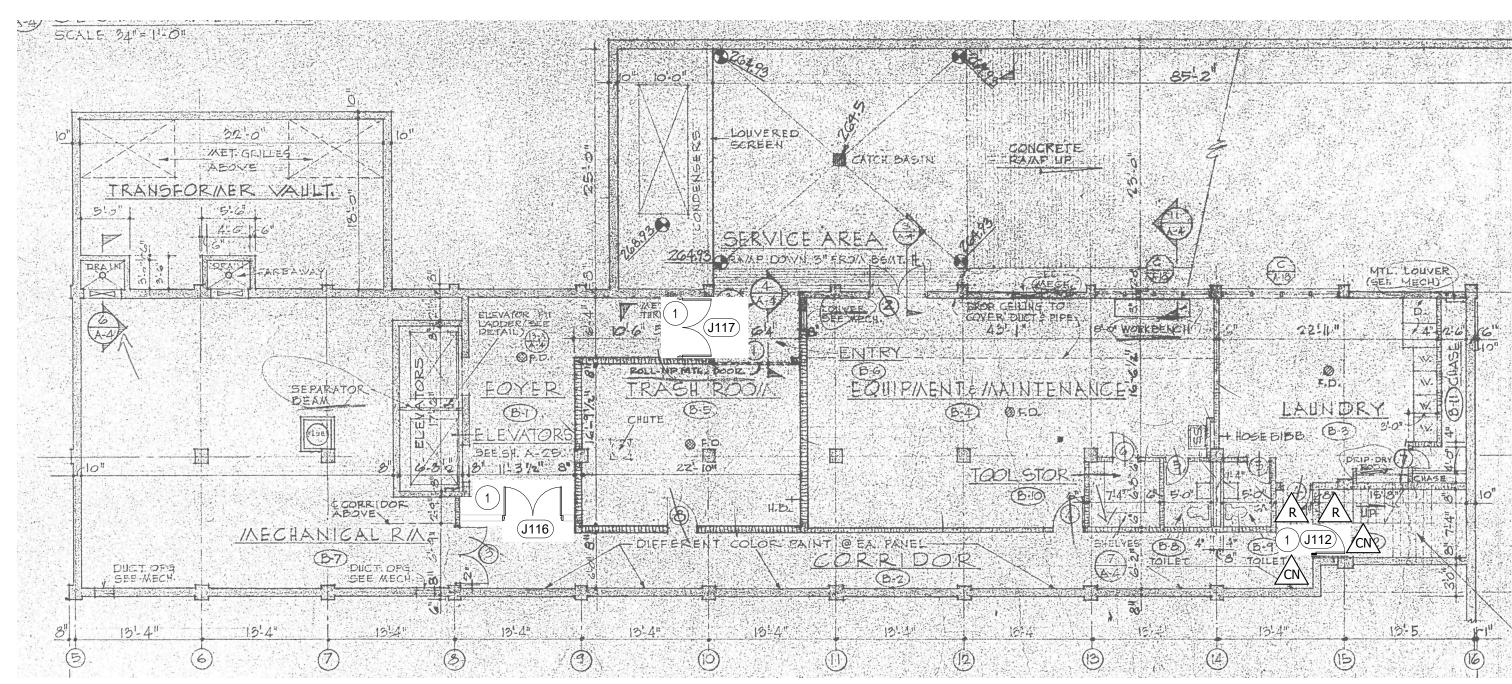
JOB NO: 63257-1
DATE: 4.5.2023
DRAWN: WCL
CHECKED: WCL



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# **JEFFERSON FIRST FLOOR PLAN**1" = 10'-0"



**JEFFERSON BASEMENT FLOOR PLAN**1" = 10'-0"

### **ACCESS CONTROL DEVICES**

PRODUCTS AND MANUFACTURERS LISTED BELOW ARE BASIS OF DESIGN, HOWEVER THEY HAVE BEEN SELECTED BECAUSE OF PRODUCTS MUST BE SUBMITTED DURING BIDDING PHASE AND MUST BE COMPATIBLE WITH ALL EXISTING SYSTEMS OPERATED BY THE OWNER.

**EXISTING ACCESS COMMANDER BOX LOCATION** 01672-001 2N ACCESS COMMANDER BOX

QTY (2) 01372-001-2N ACCESS COMMANDER -EXISTING TO REMAIN. NEW CONTROLS TO TIE INTO THIS EXISTING CONTROL BOX.

**ACCESS UNIT / CARD READER** 

MODEL: 2N-01852-001 ACCESS UNIT 2.0 TOUCH KEYPAD AND RFID PROVIDE HOUSING AND COVER AS REO'D

ACCESS CONTROLS AT ELEVATORS
REFERENCE ELEVATOR CONTROL DIAGRAMS FOR PART

NUMBERS AND CONFIGURATIONS.

**NETWORK CAMERA: TP-MEAD8M28 (NEW LOCATION)** 

TURING MODEL: TP-MEAD8M28 SMART SERIES NETWORK

TURRET CAMERA OPTIONS: NDAA COMPLIANT

**NETWORK CAMERA: TP-MEAD8M28 (REPLACE EXISTING CAMERA)** 

MODEL: TP-MEAD8M28 SMART SERIES NETWORK TURRET CAMERA OPTIONS: NDAA COMPLIANT

**CAMERA BRIDGE AND NETWORK RECORDER** 

BRIDGE: OPTEX VISUAL VERIFICATION BRIDGE, CKB-312 NETWORK VIDEO RECORDER: NVR-3216-16P-AI

PROVIDE ONE OF EACH UNITS ABOVE AT EACH LOCATION

**CAMERA MONITORING** 

ALL CAMERAS TO BE CONNECTED TO AND MONITORED BY A MONITORING COMPANY THAT DOES VIDEO VERIFICATION THROUGH TRIGGERS ASSOCIATED WITH LOITERING OR OTHER NEGATIVE BEHAVIORS.

### **FLOOR PLAN LEGEND**

REFERENCE DOOR HARDWARE SCHEDULE FOR WORK ASSOCIATED

## **INTERIOR GENERAL NOTES**

1. ALL SURFACES / FINISHES THAT ARE ALTERED AS PART OF THIS PROJECT SHALL BE REPAIRED TO APPEAR SEAMLESS WITH ADJACENT FINISHES. ANY DISTURBED, PAINTED AREAS SHALL BE REPAINTED TO THE CLOSEST HARD EDGE TO APPEAR SEAMLESS.

2. ANY COMPONENTS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH MATERIALS EQUAL TO THOSE THAT WERE DAMAGED.

# **LOW VOLTAGE GENERAL NOTES**

1. IT IS THE INTENT OF THIS PROJECT TO EXTEND THE EXISTING ACCESS CONTROL SYSTEM TO THE DEVICES SHOWN AT EACH PROJECT LOCATION. ANY COMPONENTS THAT ARE NOT SHOWN ON THESE DRAWINGS BUT ARE NEEDED FOR THIS SYSTEM TO FUNCTION AND BE CODE COMPLIANT ARE TO BE INCLUDED AS PART OF THIS BID. IF THERE IS A QUESTION REGARDING SYSTEM FUNCTIONS OR COMPONENTS, IT MUST BE SENT IN WRITING TO THE ARCHITECT DURING THE BIDDING PHASE.

2. EXISTING CONDUIT CAN BE REUSED, WHERE POSSIBLE. RUN NEW CONDUIT WHERE NECESSARY. IF POSSIBLE, ALWAYS RUN NEW LOW VOLTAGE WIRING IN CONCEALED SPACES. PAINT ALL CONDUIT (EXISTING AND NEW) WHEN COMPLETED.



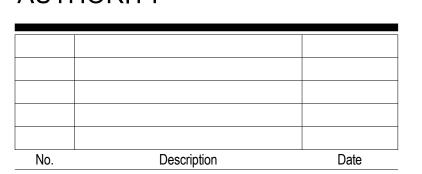
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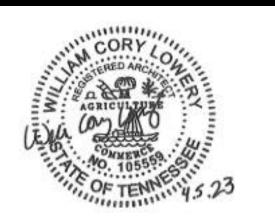
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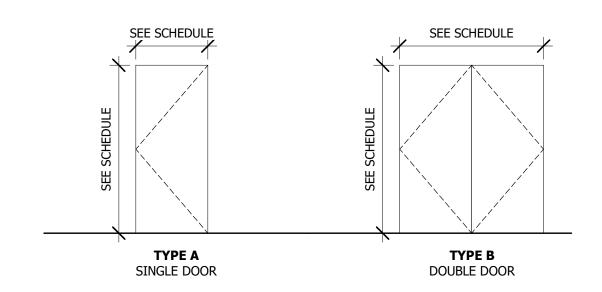
MEMPHIS HOUSING **AUTHORITY** 



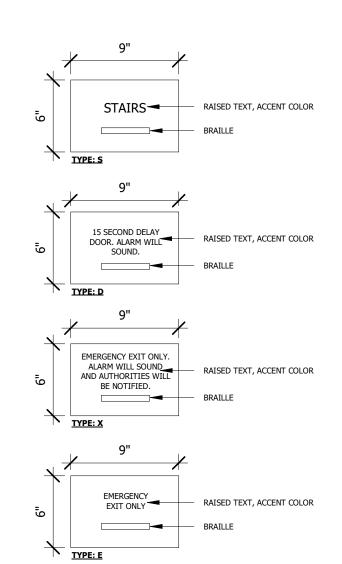
JEFFERSON SQUARE

JOB NO: 63257-1 DATE: 4.5.2023 DRAWN: WCL CHECKED: WCL





# **DOOR TYPES**



# **LOW VOLTAGE GENERAL NOTES**

1. IT IS THE INTENT OF THIS PROJECT TO EXTEND THE EXISTING ACCESS CONTROL SYSTEM TO THE DEVICES SHOWN AT EACH PROJECT LOCATION. ANY COMPONENTS THAT ARE NOT SHOWN ON THESE DRAWINGS BUT ARE NEEDED FOR THIS SYSTEM TO FUNCTION AND BE CODE COMPLIANT ARE TO BE INCLUDED AS PART OF THIS BID. IF THERE IS A QUESTION REGARDING SYSTEM FUNCTIONS OR COMPONENTS, IT MUST BE SENT IN WRITING TO THE ARCHITECT DURING THE BIDDING PHASE.

2. EXISTING CONDUIT CAN BE REUSED, WHERE POSSIBLE. RUN NEW CONDUIT WHERE NECESSARY. IF POSSIBLE, ALWAYS RUN NEW LOW VOLTAGE WIRING IN CONCEALED SPACES. PAINT ALL CONDUIT (EXISTING AND NEW) WHEN COMPLETED.

# **SIGNAGE TYPES**1 1/2" = 1'-0"

M:\63257-MHA - High Rise Stair Access Cont ARCH 2023 (BARRY AND JEFFERSON).rvt 4/5/2023 4:42:05 PM

#### **DOOR HARDWARE**

PRODUCTS AND MANUFACTURERS LISTED BELOW ARE BASIS OF DESIGN. "OR EQUAL" PRODUCTS ARE TO BE SUBMITTED DURING BIDDING PHASE FOR APPROVAL OR THEY MAY BE REJECTED

**DOOR CLOSER: DH-416-AL** 

Design Hardware 416 Series Heavy Duty Closer AL Finish Options:

**EXIT DEVICE: S6103FU36L** 

Manuf: Spectra Series - S6000 - A/B Fire rated where indicated on schedule Options:

EXIT DEVICE: S6103FU36101ND

Exit Check S6000-101 Delayed Egress Model:

Options: 15 Second Delay Panic Bar Fire rated where indicated on schedule

Presentation of valid credentials at the adjacent card reader bypasses 15 second delay. Activation of the fire alarm system also bypasses 15 second delay.

PASSAGE LEVER SET: DX-H-75

Design Hardware Heavy Duty Grade 1 Lock

**ELECTRIFIED ESCHUTCHEON: EKE03U** 

EKE03U Model:

**ESCHUTCHEON: EK03U** 

**POWER SUPPLY: 602RF** 

PROVIDE BACKUP BATTERIES AS REQ'D. Options:

**DOOR POSITION SENSOR: GRI-184-12-W** 

**ELECTRIFIED HINGE: PTH-10Q** 

PTH-10Q

CARD READER

Manuf:

Model: 2N-01852-001 ACCESS UNIT 2.0 TOUCH

KEYPAD AND RFID

PROVIDE HOUSING AND COVER AS REQ'D

#### **DOOR & WINDOW GENERAL NOTES**

- HOLLOW METAL FRAMES TO HAVE SILENCERS.
- VERIFY KEYING REQUIREMENTS WITH OWNER.
- HOLLOW METAL FRAMES TO BE PAINTED.
- SEE DOOR SCHEDULE FOR DOOR FINISHES.
- PROVIDE ASTRAGALS AND COORDINATORS AT RATED INTERIOR PAIR DOORS.
- PROVIDE SMOKE SEALS AT ALL SMOKE AND FIRE RATED INTERIOR DOORS.
- 7. COORDINATE LATCHING FOR ALL DOORS WITH HOLD OPENS.
- CONTRACTOR SHALL COORDINATE FRAME THROAT DIMENSIONS WITH WALL TYPE LEGEND.
- ALL DOOR SURFACES SHALL BE FINISHED INCLUDING TOP AND BOTTOM EDGES.
- 10. ALL EXTERIOR HOLLOW METAL DOORS ARE TO BE INSULATED.
- 11. FIRE-RESISTANCE RATED DOORS MUST HAVE FIRE RATED FRAMES, HARDWARE, CLOSERS, AND OTHER RATED ACCESSORIES. [1999 NFPA 80 1-4 DEFINITION OF "FIRE DOOR," 1-6.1, 2-4.7, AND IBC 715.4]
- 12. CLOSERS AND POSITIVE LATCHING HARDWARE ARE REQUIRED ON FIRE RATED DOORS AND DOORS IN SMOKE PARTITIONS OR BARRIERS. [NFPA 101 7.2.1.8, 8.3.3.3., 8.4.3.5, 1999 NFPA 80 3-4, AND
- 13. ALL INTERIOR GLAZING TO BE TEMPERED, TYP.
- HOLLOW METAL FRAMES IN STUD & GYP. BD. WALLS SHALL WRAP THE WALL ENDS, TYP.

#### **TEMPERED GLASS IS REQUIRED IN THE**

#### **FOLLOWING LOCATIONS BY CODE:**

- 1. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF A DOOR IN CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE. GLAZING IN PERPENDICULAR PLANE TO DOORS WHEN CLOSED ARE EXEMPT ON THE LATCH SIDE OF THE DOOR IN GROUP R-2 [IBC 2406.3.6]
- 2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL IN WHICH THE EXPOSED AREA OF AND INDIVIDUAL PANE IS GREATER THAN 9 SF., THE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR, THE EXPOSED TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR, AND ONE OR MORE WALKING SURFACES ARE WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING [IBC 2406.3.7]
- 3. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE, WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION, AND THE BOTTOM EDGE IS LESS THAN 60" ABOVE THE PLANE OR THE ADJACENT WALKING SURFACE. [IBC 2406.3.10 & 2406.3.11]



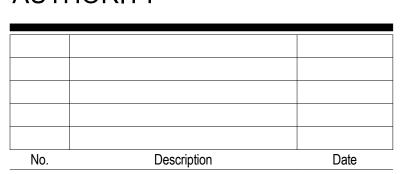
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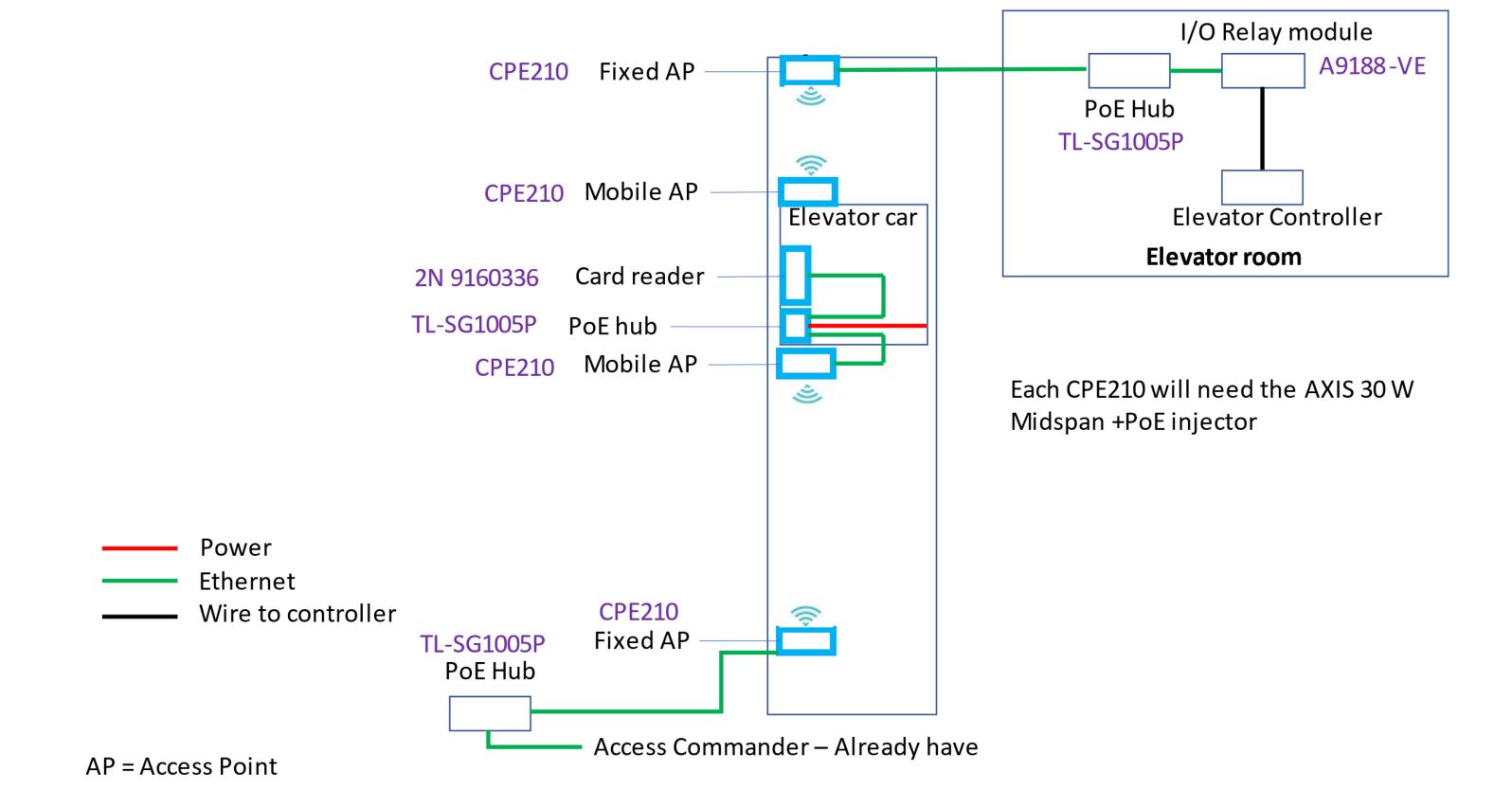
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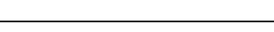
DOORS AND HARDWARE

JOB NO: 63257-1 DATE: 4.5.2023 DRAWN: WCL CHECKED: WCL





# **ELEVATOR CONTROL DIAGRAM - ELV. RM. AT PENTHOUSE (BARRY)**12" = 1'-0"



**ELEVATOR CONTROL LEGEND** PRODUCTS AND MANUFACTURERS LISTED BELOW ARE BASIS OF DESIGN, HOWEVER THEY HAVE BEEN SELECTED BECAUSE OF COMPATIBLILTY WITH EXISTING DEVICES. ANY "OR EQUAL" PRODUCTS MUST BE SUBMITTED DURING BIDDING PHASE AND MUST BE COMPATIBLE WITH ALL EXISTING SYSTEMS OPERATED BY THE OWNER.

ACCESS COMMANDER - EXISTING
01672-001 2N ACCESS COMMANDER BOX AND 01372-001-2N ACCESS COMMANDER - EXISTING TO REMAIN. NEW CONTROLS TO TIE INTO THIS EXISTING CONTROL BOX.

CARD READER MANUF: 2N

MODEL: 2N 9160336 TOUCH KEYPAD & RFID READER, PROFIDE ONE CARD READER PER ELEVATOR CAB. HOUSING, TRIM

POE HUB

MANUF: TP-LINK

TP-SG1 MODEL: TP-SG1005P 5 PORT GIGABIT DESKTOP SWITCH

**MOBILE ACCESS POINT** 

MANUF: TP-LINK MODEL: CPE-210

2.4 GHZ, 300 MBPS, 9DBI OUTDOOR CPE

POE INJECTOR

MANUF: AXIS

MODEL: AXIS 30 W

1 PORT MIDSPAN, 30W POWER OVER ETHERNET INJECTOR. PROVIDE 1 UNIT PER ACCESS POINT

IO RELAY MODULE MANUF: AXIS

MODEL: A9188-VE NETWORK I/O RELAY MODULE. CONNECT TO EXISTING ELEVATOR CONTROLLER. PROVDE 2 UNITS PER ELEVATOR



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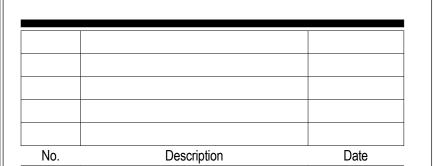
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**ELEVATOR CONTROL** DIAGRAMS

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