



Mountain Line

3773 N. Kaspar Drive · Flagstaff, AZ 86004 · 928-679-8900 · FAX 928-779-6868 · www.mountainline.az.gov

Frequently Asked Questions RFB 2024-130, Security Systems Installation and Maintenance

Date January 17, 2024

Question 1: How many access control doors are needed?

Answer: Please account for a total of 59 locations as access control door, which include entry points equipped with card readers and keypads.

Question 2: Should vendors provide bids for panic/duress alarm buttons?

Answer: Vendors are required to include the provision of Panic Buttons in their bids as specified. See Security Legend Provided. (Key Note DB for Panic Buttons)

Question 3: Will this be a turnkey solution?

Answer: Yes, a turnkey solution from the vendor is requested. For a comprehensive understanding of the services and solutions expected, refer to the details outlined in the Request for Bid Document.

Question 4: Should the bid include full server racks, POE Switches, Battery Backups, and work stations?

Answer: Yes, the bid should encompass all necessary equipment if required, to fulfill the requirements in "scope of service" in the Request for Bid Document.

Question 5: What brand of security systems are currently in the building?

Answer: None. The building is currently under construction.

Question 6: Is there a brand of system chosen for this project per the plans?

Answer: Vendors should refer to the requirements in "scope of service" in the Request for Bid Document.

Sincerely,









Heather Higgins
Purchasing and Contracts Officer, DBELO
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Getting you where you want to go



9/27/2023 11:12:36 AM BIM 360/10341759 Mountain Line Downtown Connection Center 2021 ML 2267-10 MEP DDC R01.rvt

SECURITY (DEVICES BY OWNER)

-  REQUEST TO EXIT
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  BALANCED DOOR POSITION SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  CARD READER
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  CARD READER
MOUNTING LOCATION: MULLION
MOUNTING HEIGHT: AS NOTED
-  KEYPAD
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  PANIC BUTTON
MOUNTING LOCATION: UNDER DESKTOP
MOUNTING HEIGHT: FIELD VERIFY
-  CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: CEILING
MOUNTING HEIGHT: SURFACE CEILING
-  CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED

Security Count Measurement

Description	Quantity	Unit
BALANCED DOOR POSITION SWITCH	29	Count
CARD READER (MULLION MOUNTED)	1	Count
CARD READER (WALL MOUNTED)	20	Count
CLOSED CIRCUIT SECURITY CAMERA (WALL MOUNTED)	16	Count
KEYPAD	16	Count
PANIC BUTTON	4	Count
REQUEST TO EXIT	21	Count

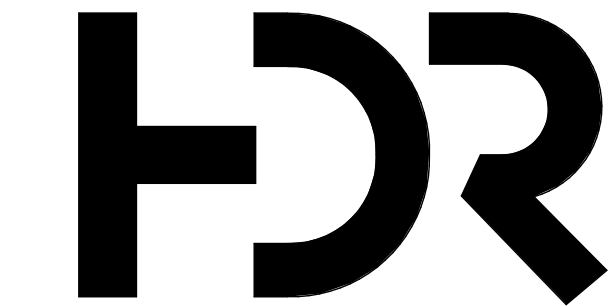


GENERAL NOTES

- A. CO-LOCATE POWER WITHIN AV ROUGH-IN SHOWN ON DRAWINGS.
- B. SECURITY DEVICES SHOWN FOR PROVISION OF HORIZONTAL DATA CABLING.
- C. VERIFY EXACT BACKBOX LOCATIONS WITH ARCHITECT AND MOUNTAIN LINE IT.
- D. VERIFY BACKBOX, RING TYPE AND PATHWAY REQUIREMENTS WITH CONTRACTOR PRIOR TO ROUGH-IN.
- E. COORDINATE BACKBOX INSTALLATION AND RING DEPTH WITH ARCHITECTURAL WALL TYPE AND COVERING TO PROVIDE A FLUSH MOUNT INSTALLATION.
- F. PROVIDE CONDUIT PATHWAY WITH PULL STRING, FROM BACKBOX TO ACCESSIBLE CEILING SPACE WITH CLEAR ACCESS TO PRIMARY TECHNOLOGY CABLING PATHWAY.
- G. TERMINATE ALL CONDUITS ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE PATHWAY OR CABLE TRAY. PROVIDE RATED PENETRATION WHERE PATHWAY PASSES THROUGH ANY RATED WALL, RATING TO MATCH WALL TYPE.
- H. GROUND BACKBOX AND CONDUIT PER SYSTEM REQUIREMENTS. VERIFY REQUIREMENTS WITH SYSTEM VENDOR.
- I. CONFIRM FINAL FLOORBOX LOCATIONS WITH ARCHITECTURAL DRAWINGS AND OWNER PRIOR TO INSTALLATION.

KEYNOTES

1. TENANT SPACE IT CABLING TO BE RUN IN SEPARATE J-HOOK PATH FROM REST OF THE BUILDING BACK TO DESIGNATED IDF ROOM.
2. SERVICE PROVIDER CONDUIT STUB UP LOCATION.
3. PROVIDE FLAME RETARDANT 3/4" PLYWOOD ON ALL IDF WALLS FROM 6" TO 8'-6" AFF.
4. PROVIDE CAMERA WITH AUDIO CAPABILITIES.
5. PROVIDE JUNCTION BOX FOR FUTURE CAMERA INSTALLATION.
6. CARD READER TO BE INTEGRATED WITH CURTAIN WALL SYSTEM MULLION.
7. KEYPAD TO BE INTEGRATED WITH CURTAIN WALL SYSTEM MULLION.
8. SHARED FLOOR BOX WITH POWER. REFER TO SHEET E-301 FOR MORE INFORMATION.
9. DATA CONNECTION TO SES METER.
10. PROVIDE J-HOOKS ALONG PATH FOR IT, SECURITY, AND AV CABLING. ROUTE ABOVE CEILING WHEN POSSIBLE.
11. PROVIDE (2) 4" FIRE RATED SLEEVES TO LEVEL 2 SERVER ROOM FOR IT CABLING.
12. PROVIDE LEGRAND WMPAC525 IN WALL STORAGE BOX OR EQUAL BEHIND FLAT PANEL. COORDINATE EXACT LOCATION WITH TV MOUNT.
13. PROVIDE 12"X12"X4" RECESSED BOX FOR 2" AV CONDUITS ROUTED TO FLAT PANEL LOCATIONS.
14. PROVIDE HDMI PATHWAYS BETWEEN FLOORBOXES AND MONITORS WITHIN ROOM.



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AEI Project No.: 22671-00

Mountain Line
DOWNTOWN
CONNECTION CENTER

216 West Phoenix Ave.
Flagstaff, AZ 86001



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Project Architect
Civil Engineer
Landscape Architect
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
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Jessi Levin

Sheet Reviewer

LR

MARK	DATE	DESCRIPTION
D	04/10/2023	ISSUE FOR PERMIT
D	05/24/2023	OWNERS COMMENT
G	05/24/2023	RESUBMITTAL - BUILDING
G	09/01/2023	VE / CONSTRUCTIBILITY UPDATES
J	09/27/2023	PERMIT COMMENT - BUILDING

Project Number

10341759

Original Issue

04/10/23

Sheet Name

TECHNOLOGY PLAN -
LEVEL 1 - OVERALL

Sheet Number

E-401









Project Status

ISSUE FOR PERMIT







Permit #: BP-23-00649

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SECURITY (DEVICES BY OWNER)

-  REQUEST TO EXIT
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  BALANCED DOOR POSITION SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  CARD READER
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  CARD READER
MOUNTING LOCATION: MULLION
MOUNTING HEIGHT: AS NOTED
-  KEYPAD
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED
-  PANIC BUTTON
MOUNTING LOCATION: UNDER DESKTOP
MOUNTING HEIGHT: FIELD VERIFY
-  CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: CEILING
MOUNTING HEIGHT: SURFACE CEILING
-  CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED

Security Count Measurement

Description	Quantity	Unit
 BALANCED DOOR POSITION SWITCH	2	Count
 CARD READER (MULLION MOUNTED)	2	Count
 CARD READER (WALL MOUNTED)	1	Count
 CLOSED CIRCUIT SECURITY CAMERA (WALL MOUNTED)	6	Count
 KEYPAD	19	Count
 REQUEST TO EXIT	2	Count

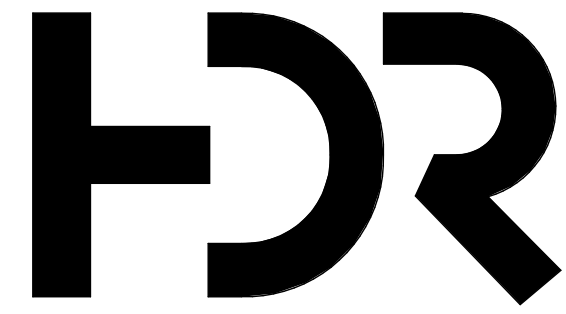


GENERAL NOTES

- A. CO-LOCATE POWER WITHIN AV ROUGH-IN SHOWN ON DRAWINGS.
- B. SECURITY DEVICES SHOWN FOR PROVISION OF HORIZONTAL DATA CABLING.
- C. VERIFY EXACT BACKBOX LOCATIONS WITH ARCHITECT AND MOUNTAIN LINE IT.
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- E. COORDINATE BACKBOX INSTALLATION AND RING DEPTH WITH ARCHITECTURAL WALL TYPE AND COVERING TO PROVIDE A FLUSH MOUNT INSTALLATION.
- F. PROVIDE CONDUIT PATHWAY WITH PULL STRING, FROM BACKBOX TO ACCESSIBLE CEILING SPACE WITH CLEAR ACCESS TO PRIMARY TECHNOLOGY CABLING PATHWAY.
- G. TERMINATE ALL CONDUITS ORIENTED HORIZONTALLY AT THE HEIGHT OF THE ASSOCIATED CABLE PATHWAY OR CABLE TRAY. PROVIDE RATED PENETRATION WHERE PATHWAY PASSES THROUGH ANY RATED WALL, RATING TO MATCH WALL TYPE.
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KEYNOTES

- 1 PROVIDE FLAME RETARDANT 3/4" PLYWOOD ON ALL SERVER ROOM WALLS FROM 6" TO 8'-6" AFF.
- 2 (2) 4" FIRE RATED SLEEVES FROM LEVEL 1 IDF ROOM FOR IT CABLING.
- 3 PROVIDE J-HOOKS ALONG PATH FOR IT, SECURITY, AND AV CABLING. ROUTE CONCEALED ABOVE CEILING WHEN POSSIBLE.
- 4 SHARED FLOOR BOX WITH POWER. REFER TO SHEET E-301 FOR MORE INFORMATION.
- 5 PROVIDE LEGRAND WMPAC525 IN WALL STORAGE BOX OR EQUAL BEHIND FLAT PANEL. COORDINATE EXACT LOCATION WITH TV MOUNT.
- 6 PROVIDE DATA OUTLET FOR SNOW MELT SYSTEM. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
- 7 PROVIDE HDMI PATHWAYS BETWEEN FLOORBOXES AND MONITORS WITHIN ROOM.



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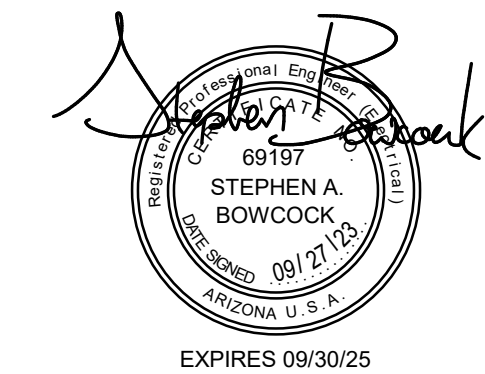


Project Manager	Angela Tate
Project Designer	Kate Diamond
Project Architect	Janet Bogner
Civil Engineer	Rick Schuler
Landscape Architect	Mary Estes
Structural Engineer	Kurt Kinderman
Mechanical Engineer	Brett McQuillan
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Plumbing Engineer	Brett McQuillan
Interior Designer	Jessi Levin

Sheet Reviewer	LR
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Project Number	10341759
Original Issue	04/10/23



Sheet Name

TECHNOLOGY PLAN -
LEVEL 2 - OVERALL

Sheet Number

E-402

Project Status
ISSUE FOR PERMIT

Permit #: BP-23-00649

SECURITY (DEVICES BY OWNER)



REQUEST TO EXIT
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED



BALANCED DOOR POSITION SWITCH
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED



CARD READER
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED



CARD READER
MOUNTING LOCATION: MULLION
MOUNTING HEIGHT: AS NOTED



KEYPAD
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED



PANIC BUTTON
MOUNTING LOCATION: UNDER DESKTOP
MOUNTING HEIGHT: FIELD VERIFY



CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: CEILING
MOUNTING HEIGHT: SURFACE CEILING



CLOSED CIRCUIT SECURITY CAMERA
MOUNTING LOCATION: WALL
MOUNTING HEIGHT: AS NOTED