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<th>Light Fixture Style</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Wattage</th>
<th>Color Temp</th>
<th>Lumen Output</th>
<th>Mounting Location</th>
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<td>LS3 LED.4' X SHAPE.35.IN-LTG3.D-LTG2.UNV.DB.x.AC.BW.SD SERIES</td>
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<td>277 V</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**General Notes:**
- Always use local disconnecting means.
- Each circuit of dual circuit track shall be complete system.
- A momentary loss of power shall not result in the illumination of any lights.
- Normal and emergency power shall be provided for all lighting fixtures.
- All fixtures shall be arranged to reflect light downward and to the side for maximum illumination and minimum glare.
- Wherever possible, light fixtures shall be arranged to minimize or eliminate shadows.
- All lighting fixtures shall be so arranged that light is reflected upward and downwards at angles of 30 degrees from the vertical plane.
- Special care shall be taken to ensure that light is reflected above eye level.
- The light fixtures shall be located so that their shadows do not interfere with the performance of the user.
- Wherever possible, light fixtures shall be arranged so that their shadows are not cast on the faces of the users.
- All lighting fixtures shall be so arranged that their shadows do not interfere with the performance of the user.
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GENERAL NOTES:
1. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON DWG. E706 FOR ADDITIONAL INFORMATION.
ADD ALTERNATE No. 2 - SPECIALIZED ED

REFER TO DWG E201D FOR CONTINUATION

MATCHLINE - REFER TO DWG E201C FOR CONTINUATION

FIRST FLOOR PLAN - AREA A - LIGHTING
DRAWING NOTES:
- All branch circuit/conduit shall be underground and contained within column structure. Refer to architectural drawings for column details and conduit routing coordination.
- Classroom room controllers shall be located in associated wings penthouse.
- Field coordinate exact location with all other trades and owner's representative prior to rough.
- Provide 3/4" empty conduit minimum with pull string and bushed ends from each room controller to classroom for room controller control wiring. Within penthouse, arrange all room controllers together either wall mounted and accessible or on free standing structure.

SCALE: 1/8" = 1'-0"
GENERAL NOTES:
1. VERIFY ALL PROPOSED SWITCH LOCATIONS WITH OWNERSHIP AND ARCHITECT PRIOR TO ROUGH-IN.

DRAWING NOTES:
1. LOCATION OF KEYED SWITCH FOR LOCALIZED CONTROL OF ADMIN. CORRIDOR.
2. LOCATION OF KEYED SWITCH FOR LOCALIZED CONTROL OF PARKS/REC CORRIDOR 907.
3. LOCATION OF KEYED SWITCH FOR MAIN CORRIDORS.
4. LOCALIZED DAYLIGHTING ZONE.

SCALE: 1/16" = 1'-0"
GENERAL NOTES:
1. PROVIDE WIRE GUARDS FOR ALL DEVICES LOCATED IN THE GYMNASIUM.
KITCHEN EQUIPMENT CONNECTION SCHEDULE NOTES:

1. ALL SINGLE PHASE, 15 AND 20 AMPERE RECEPTACLES INSTALLED IN KITCHEN SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION.

2. JUNCTION BOXES, ETC. IN DISHROOMS SHALL BE MOISTURE PROOF.

3. ALL ELECTRICAL OUTLETS, SWITCHES, COVERPLATES, JUNCTION BOXES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLET, PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.

4. CONDUIT & WIRE IN COMMON JUNCTION BOX, PULL BOX OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT PULL THROUGH THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX OR CONTROL PANEL.

5. ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX OR CONTROL PANEL.

6. INTERWIRE BETWEEN THE FOLLOWING:

   A. ELECTRICAL CONTRACTOR OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
      - CONDUIT IS MINIMUM 3/4".
      - ALL CONDUIT, PIPING AND/OR SIMILAR CONSTRUCTION, LOCATED OUTSIDE WALL, MUST BE INSTALLED SUCH THAT SPACE BETWEEN WALL AND CONDUIT IS MINIMUM 4-1/2".
      - CONDUIT & WIRE IN COOLER/FREEZER LIGHT (CONDUIT SHALL BE RAN ABOVE COMPARTMENT CEILING).
      - ALL ELECTRICAL OUTLETS, SWITCHES, COVERPLATES, JUNCTION BOXES, ETC. IN DISHROOMS SHALL BE MOISTURE PROOF.
      - ALL ELECTRICAL CONTRACTOR SHALL PERFORM FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT.

   B. ELECTRICAL COMPONENTS PROVIDED BY KEC, AND INTERWIRE BETWEEN THE FOLLOWING:
      - COMMON JUNCTION BOX, PULL BOX OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT PULL THROUGH THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX OR CONTROL PANEL.

   C. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING AND CONDUIT, INSTALL ELECTRICAL COMPONENTS PROVIDED BY KEC, AND INTERWIRE BETWEEN THE FOLLOWING:
      - ELECTRICAL CONTRACTOR OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
      - CONDUIT IS MINIMUM 3/4".
      - ALL CONDUIT, PIPING AND/OR SIMILAR CONSTRUCTION, LOCATED OUTSIDE WALL, MUST BE INSTALLED SUCH THAT SPACE BETWEEN WALL AND CONDUIT IS MINIMUM 4-1/2".
      - CONDUIT & WIRE IN COOLER/FREEZER LIGHT (CONDUIT SHALL BE RAN ABOVE COMPARTMENT CEILING).
      - ALL ELECTRICAL OUTLET, SWITCHES, COVERPLATES, JUNCTION BOXES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLET, PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.

   D. ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.

7. ELECTRICAL CONTRACTOR SHALL PROVIDE TWIST-LOCK PLUG & MATCHING RECEPTACLE.

8. NOTE: ITEM #11 FRUIT SECTIONIZER, ITEM #13 BLENDER & ITEM #14 FOOD PROCESSOR. POWER THRU DUPLEX CONVENIENCE RECEPTACLE.

GENERAL NOTES:

1. ALL ELECTRICAL OUTLETS, SWITCHES, COVERPLATES, JUNCTION BOXES, ETC. INSTALLED IN KITCHEN SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION.

2. REVIEW AND PROVIDE/INSTALL ALL ADDITIONAL REQUIRED CONDUIT, WIRING, DISCONNECTS, ETC. INDICATED ON FOODSERVICE PLANS FOR ANY FABRICATED FOODSERVICE EQUIPMENT.

3. DIMENSIONS SHOWN ARE FROM FINISHED FLOOR/WALLS. VERIFY FINISH WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.

4. THIS PLAN SHOWS INTENDED ROUGH SCALE: NTS.

5. ENGINEERING, INC.

6. ROYAL KITCHEN PLAN - ELECTRICAL

7. KEFFER, ZIMMER & PARTNERS

8. SCALE: 1/4" = 1' - 0"

9. KITCHEN EXHAUST HOODS/VENTILATORS AND EXHAUST SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS.

10. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS.

11. HOODS/VENTILATORS AS REQUIRED BY LOCAL CODES AND NFPA 96 (LATEST EDITION).

12. SHUNT DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODE.

13. JUNCTION BOXES, ETC. IN DISHROOMS SHALL BE MOISTURE PROOF.

14. ALL ELECTRICAL OUTLET, SWITCHES, COVERPLATES, JUNCTION BOXES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLET, PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.

15. ELECTRICAL CONTRACTOR SHALL PROVIDE TWIST-LOCK PLUG & MATCHING RECEPTACLE.

16. REVIEW AND PROVIDE/INSTALL ALL ADDITIONAL REQUIRED CONDUIT, WIRING, DISCONNECTS, ETC. INDICATED ON FOODSERVICE PLANS FOR ANY FABRICATED FOODSERVICE EQUIPMENT.

17. DIMENSIONS SHOWN ARE FROM FINISHED FLOOR/WALLS. VERIFY FINISH WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.

18. THIS PLAN SHOWS INTENDED ROUGH SCALE: NTS.

19. ENGINEERING, INC.

20. ROYAL KITCHEN PLAN - ELECTRICAL

21. KEFFER, ZIMMER & PARTNERS

22. SCALE: 1/4" = 1' - 0"

23. KITCHEN EXHAUST HOODS/VENTILATORS AND EXHAUST SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS.

24. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS.

25. HOODS/VENTILATORS AS REQUIRED BY LOCAL CODES AND NFPA 96 (LATEST EDITION).

26. SHUNT DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODE.

27. JUNCTION BOXES, ETC. IN DISHROOMS SHALL BE MOISTURE PROOF.

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AUTODIALER WITH TWO DEDICATED PHONE LINES TO UL LISTED CENTRAL STATION MAKE CONNECTION TO EMCS SYSTEM

KITCHEN FIRE SUPPRESSION SYSTEM

TO ADDITIONAL ALARM INITIATING DEVICES IN THIS ZONE.
TO ADDITIONAL NOTIFICATION DEVICES IN THIS ZONE.
TO ADDITIONAL SPRINKLER SYSTEM DEVICES IN THIS ZONE.
TO OTHER CARBON MONOXIDE DETECTORS IN THIS AREA.
TO ADDITIONAL CONTROL MODULES (INCLUDING DOOR RELEASE) IN THIS ZONE.
PROVIDE REMOTE GENERATOR ANNUNCIATOR PANEL COORDINATE LOCATION WITH OWNER. PANEL SHALL PROVIDE ALL CODE REQUIRED STATUS MONITORING, ALARMS FROM GENERATOR TO FIRE ALARM SYSTEM. INCLUDE GENERATOR TROUBLE, GENERATOR RUNNING, SUPERVISORY ALARMS AND GENERATOR IN NON-AUTOMATIC MODE.
PROVIDE INTERFACE WITH LOCAL GYM AND CAFETERIA SOUND SYSTEMS TO CUT OFF PUBLIC ADDRESS UPON ALARM. PUBLIC ADDRESS SYSTEM SHALL REACTIVATE UPON SYSTEM RESET.

VERIFY SCHOOL ADDRESS WITH OWNER PRIOR TO FINAL PRINTING OF GRAPHIC.

1. REFER TO FLOOR PLANS FOR EXACT QUANTITY AND LOCATION OF DEVICES.
2. PROVIDE ALL WIRING IN CONDUIT, Sized AS RECOMMENDED BY SYSTEM MANUFACTURER.
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EQUIPMENT - PROVIDE UNDER ADD ALTERNATE No. 1

Legend:
+PROVIDE UNDER ADD ALTERNATE No. 1             +PROVIDE GFCI CIRCUIT BREAKER
*PROVIDE UNDER ADD ALTERNATE No. 4

LEGEND:
+PROVIDE UNDER ADD ALTERNATE No. 1             +PROVIDE GFCI CIRCUIT BREAKER
*PROVIDE UNDER ADD ALTERNATE No. 4

NEW FACILITY FOR: 2019

TOTAL CONNECTED LOAD: 13.7 kVA

TOTAL ESTIMATED DEMAND: 13.7 kVA

TOTAL CONNECTED LOAD: 23.7 kVA

TOTAL ESTIMATED DEMAND: 23.7 kVA

TOTAL CONNECTED LOAD: 46.7 kVA

TOTAL ESTIMATED DEMAND: 46.7 kVA

TOTAL CONNECTED LOAD: 13.7 kVA

TOTAL ESTIMATED DEMAND: 13.7 kVA

TOTAL CONNECTED LOAD: 23.7 kVA

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TOTAL ESTIMATED DEMAND: 46.7 kVA

TOTAL CONNECTED LOAD: 23.7 kVA
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**LOAD CLASSIFICATION CONNECTED LOAD DEMAND FACTOR ESTIMATED DEMAND PANELBOARD TOTALS**

**Legend:**
- LTG. - 28.8 kVA 100.00% 28.8 kVA
- MECHANICAL - 4.0 kVA 100.00% 4.0 kVA
- REC - 0.0 kVA 0.00% 0.0 kVA

**Notes:**
- E1RD-39 0.1 kVA -- -- -- -- E1RD-40
- E1RD-31 E1RD-32
- E1RD-23 E1RD-24
- E1RD-21 E1RD-22
- E1RD-17 E1RD-18
- E1RD-15 E1RD-16
- E1RD-11 E1RD-12
- E1RD-1 FACP - MDF 700 (2) #12 + #12GW - 3/4"C 1.0 kVA 1.0 kVA 20 A 1 (2) #12 + #12GW - 3/4"C FACP - MDF 700 E1RD-2
- E1RD-9 E1RD-10

**E2LD-23 Space -- -- -- 0.0 kVA 0.0 kVA -- -- -- Space E2LD-24**
- E2LD-21 Space -- -- -- 0.0 kVA 0.0 kVA -- -- -- Space E2LD-22
- E2LD-19 Space -- -- -- 0.0 kVA 0.0 kVA -- -- -- Space E2LD-20
- E2LD-15 Spare -- 1 20 A 0.0 kVA 0.1 kVA 30 A 3 (4) #10 + #10GW - 3/4"C SPD - ELECTRICAL 609 E2LD-38
- E2LD-13 LTG. - AREA A/B CLASSRM.... (2) #12 + #12GW - 3/4"C 1 20 A 3.1 kVA 2.8 kVA 20 A 1 (2) #12 + #12GW - 3/4"C LTG. - ALL MECH. PENTHO USES E2LD-14
- E2LD-39 LTG. - GYM (ADD ALTERNATE)** (2) #12 + #12GW - 3/4"C 1 20 A 3.2 kVA 0.1 kVA -- -- -- -- E2LD-40
- E2LD-37 Spare -- 1 20 A 0.0 kVA 0.1 kVA 30 A 3 (4) #10 + #10GW - 3/4"C SPD - ELECTRICAL 609 E2LD-38
- E2LD-31 Spare -- 1 20 A 0.0 kVA 0.0 kVA -- -- -- Space E2LD-32
- E2LD-25 -- -- -- -- 1.3 kVA 0.0 kVA -- -- -- Space E2LD-26
- E2LD-21 LTG. - LOCKER ROOMS** (2) #12 + #12GW - 3/4"C 1 20 A 0.9 kVA 2.9 kVA 20 A 1 (2) #12 + #12GW - 3/4"C LTG. - DINING** E2LD-22
- E2LD-19 Space -- -- -- 0.0 kVA 0.0 kVA -- -- -- Space E2LD-20
- E2LD-15 Spare -- 1 20 A 0.0 kVA 0.0 kVA -- -- -- Space E2LD-16
- E2LD-11 E1RD-12
- E2LD-13 LTG. - AREA A/B CLASSRM.... (2) #12 + #12GW - 3/4"C 1 20 A 3.1 kVA 2.8 kVA 20 A 1 (2) #12 + #12GW - 3/4"C LTG. - ALL MECH. PENTHO USES E2LD-14
- E2LD-15 Spare -- 1 20 A 0.0 kVA 0.0 kVA -- -- -- Space E2LD-16
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- E2LD-15 Spare -- 1 20 A 0.0 kVA 0.0 kVA -- -- -- Space E2LD-16
- E2LD-11 E1RD-12
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<tr>
<th>Panel</th>
<th>Location</th>
<th>Type</th>
<th>Circuit</th>
<th>Wires</th>
<th>Size</th>
<th>Voltage</th>
<th>Phase</th>
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<th>Neutral Rating</th>
<th>CB A</th>
<th>CB B</th>
<th>CB C</th>
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</table>

**REC** - 31.2 kVA 66.03% 20.6 kVA

**LOAD CLASSIFICATION**

**CONNECTED LOAD**

**DEMAND FACTOR**

**ESTIMATED DEMAND**

**TOTALS**
### Branch Panel: LC
- **Location:** Suite 700
- **Wiring:** 240 V, 200 A
- **Equipment:**
  - **EQUIPMENT:** 24.8 kVA, 3.2 kVA, 20 A
- **Notes:**
  - LC-29 Space
  - LC-27 Space
  - LC-25 Space
  - LC-21 Space
  - LC-11 Spare
  - PL-25 Space
  - PL-23 Space
  - PL-21 Space
  - PL-11
  - LB-23 Space
  - LB-21 Space
  - LB-13 Spare
  - LB-11 LTG. - AQUATIC SUPPORT RM's
  - LC-7 LTG. - PARKS AND REC*
  - LC-3

### Branch Panel: MA
- **Location:** Suite 700
- **Wiring:** 480 V, 225 A
- **Equipment:**
  - **EQUIPMENT:** 6.8 kVA, 1.7 kVA
- **Notes:**
  - MA-25 Space
  - MA-19 Spare
  - MA-17
  - MA-15
  - MA-11

### Branch Panel: MB
- **Location:** Suite 700
- **Wiring:** 480 V, 225 A
- **Equipment:**
  - **EQUIPMENT:** 14.6 kVA, 10.0 kVA
- **Notes:**
  - MB-27
  - MB-26
  - MA-24
  - MA-20
  - MA-18
  - MA-16

### Branch Panel: PL
- **Location:** Suite 700
- **Wiring:** 480 V, 225 A
- **Equipment:**
  - **EQUIPMENT:** 2.0 kVA, 0.6 kVA
- **Notes:**
  - PL-23 Space
  - PL-21 Space
  - PL-11

---

**Legend:**
- Circuit is part of CIRCUIT IS PART OF ADD ALTERNATE FOR PARKS AND REC WING.
- CIRCUIT IS PART OF ADD ALTERNATE FOR PARKS AND REC WING.
- *CIRCUIT IS PART OF ADD ALTERNATE FOR PARKS AND REC WING.

**Notes:**
- Notes include details about equipment and connections.
### Branch Panel: MDC

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
<th>Wire Size</th>
<th>CB A</th>
<th>CB B</th>
<th>CB C</th>
<th>MAINS</th>
<th>NEUTRAL</th>
<th>A.I.C.</th>
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### Branch Panel: RA

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### Branch Panel: RB

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### Equipment Design

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Voltage</th>
<th>Phase</th>
<th>Amps</th>
<th>kVA</th>
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<tr>
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<td>1</td>
<td>0.6</td>
<td>0.1</td>
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<tr>
<td>F-17</td>
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<td>F-6</td>
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<tr>
<td>F-36</td>
<td>120 V</td>
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<td>4.4</td>
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<tr>
<td>F-38</td>
<td>120 V</td>
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<td>4.4</td>
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<tr>
<td>F-50</td>
<td>120 V</td>
<td>1</td>
<td>0.3</td>
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</tbody>
</table>

### Mechanical Equipment Connection Schedule (VRFs)

#### VRF-ZONE-2C
- Voltage: 480 V
- Phase: 3
- Amps: 31.90
- kVA: 26.52

#### VRF-ZONE-3B
- Voltage: 480 V
- Phase: 3
- Amps: 31.90
- kVA: 26.52

#### VRF-ZONE-5
- Voltage: 480 V
- Phase: 3
- Amps: 31.90
- kVA: 26.52

#### VRF-6.07
- Voltage: 208 V
- Phase: 1
- Amps: 1.50
- kVA: 0.31

#### VRF-5.07
- Voltage: 208 V
- Phase: 1
- Amps: 1.60
- kVA: 0.33

#### VRF-5.05
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### VRF-5.02
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### VRF-3.21
- Voltage: 208 V
- Phase: 1
- Amps: 1.40
- kVA: 0.29

#### VRF-3.18
- Voltage: 208 V
- Phase: 1
- Amps: 2.80
- kVA: 0.58

#### VRF-3.13
- Voltage: 208 V
- Phase: 1
- Amps: 1.40
- kVA: 0.29

#### VRF-3.10
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### VRF-2.12
- Voltage: 208 V
- Phase: 1
- Amps: 0.30
- kVA: 0.06

#### VRF-2.11
- Voltage: 208 V
- Phase: 1
- Amps: 8.60
- kVA: 1.79

#### VRF-1.19
- Voltage: 208 V
- Phase: 1
- Amps: 0.30
- kVA: 0.06

#### VRF-1.17
- Voltage: 208 V
- Phase: 1
- Amps: 0.30
- kVA: 0.06

#### VRF-1.15
- Voltage: 208 V
- Phase: 1
- Amps: 3.40
- kVA: 0.71

#### VRF-1.09
- Voltage: 208 V
- Phase: 1
- Amps: 0.30
- kVA: 0.06

#### VRF-1.08
- Voltage: 208 V
- Phase: 1
- Amps: 0.40
- kVA: 0.08

#### VRF-1.06
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### VRF-1.04
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### VRF-1.02
- Voltage: 208 V
- Phase: 1
- Amps: 4.90
- kVA: 1.02

#### MECS NOTES:
1. All work performed to comply with applicable codes and standards.
2. Equipment names shall be legible per Division 23 specifications.
3. Equipment shall be labeled per NEC.
4. Each piece of equipment shall be clearly identified.
5. All equipment shall be listed and marked per NEC.
6. All equipment shall be marked with the name and specifications.
7. All equipment shall be checked prior to installation.
8. All equipment shall be tested and approved by the authority having jurisdiction.
9. All equipment shall be installed per manufacturer's instructions.
10. All equipment shall be backed up by a reliable power source.

### Notes

- Make all associated connections to motors as per nameplate.
- Make connections to the unit.
- Connections to the unit should be made in NEMA 1 enclosure.
- Provide 3P and NF/SS in NEMA 3R enclosure.
- Mount at unit and connect to VSD (furnished by Division 23 contractor).
1. An electrical contractor shall supply and install all low voltage pathways including but not limited to conduits, raceways, boxes, fireseals, and junction boxes. All pathways shall be painted to match the surrounding finishes unless otherwise noted.

2. All conduits and raceways shall be painted to match the surrounding finishes unless otherwise noted.

3. Electrical contractor shall provide and install a complete telecom ground and bonding system. Bonding and grounding system shall conform to TIA-607-C.

4. All conduits shall be appropriately labeled. See T series drawings for exact requirements.

5. Structured cabling contractor shall provide and install a complete telephone voice network system. Systems shall be designed to provide connectivity to all areas of the building.

6. Provide and install complete 2x6 stud partition system to the design detailed on the plans.

7. Provide and install complete LX system to the design detailed on the plans.

8. Provide and install complete SL system to the design detailed on the plans.

9. Provide and install complete LC system to the design detailed on the plans.

10. Conduits and pathways shall be run behind finished surfaces where possible unless otherwise noted.

11. Technology plans are diagrammatic. All work must be coordinated prior to installation.

12. The contractor shall inform the architect, engineer and owner prior to beginning construction and notify them of any changes or delays.

13. Analog/POTS lines shall be provided as part of this scope of work.

14. Before submitting bids, the contractor shall visit the site and examine the site, adjoining sites and the Contractor's Plan Set.

15. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

16. All electrical systems, equipment, raceways, cabling, boxes, fireseals, bonding and devices shall be in accordance with all applicable codes and standards.

17. All slab penetrations must be x-rayed and documented prior to beginning work.

18. The exact number of wires may not be indicated for all systems. Provide wires and cables necessary for the proper function of the system whether indicated on the plan or not.

19. The technology plans are diagrammatic. All work must be coordinated prior to installation.

20. Conduits and pathways shall be run behind finished surfaces where possible unless otherwise noted.

21. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

22. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

23. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

24. Provide and install complete A/V systems in the gymnasium, cafeteria, and music rooms. Systems shall be designed to provide connectivity to all areas of the building.

25. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

26. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

27. Provide and install complete intercom/PA/master clock systems including all cabling, pathways, and accessories.

28. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

29. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

30. All electrical systems, equipment, raceways, cabling, boxes, fireseals, bonding and devices shall be in accordance with all applicable codes and standards.

31. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

32. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

33. Provide and install complete low voltage pathways including but not limited to conduits, raceways, boxes, fireseals, and junction boxes. All pathways shall be painted to match the surrounding finishes unless otherwise noted.

34. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

35. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

36. Provide and install complete electrical grounding and bonding system. Bonding and grounding system shall conform to TIA-607-C.

37. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

38. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

39. Provide and install complete electrical systems. Systems shall be designed to provide connectivity to all areas of the building.

40. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

41. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

42. Provide and install complete AV equipment. Equipment shall conform to the design specified on the plans.

43. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

44. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

45. Provide and install complete A/V connectors, electronic displays and associated components. Equipment shall conform to the design specified on the plans.

46. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

47. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

48. Provide and install complete electronic displays, screens and associated components for a complete A/V system. Equipment shall conform to the design specified on the plans.

49. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

50. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

51. Provide and install complete wireless mics, controllers, projectors, electronic displays, screens and associated components. Equipment shall conform to the design specified on the plans.

52. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

53. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

54. The exact number of wires may not be indicated for all systems. Provide wires and cables necessary for the proper function of the system whether indicated on the plan or not.

55. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

56. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.

57. All electrical systems, equipment, raceways, cabling, boxes, fireseals, bonding and devices shall be in accordance with all applicable codes and standards.

58. The work shall be performed by experienced tradesmen who are licensed in the State of Maryland.

59. The work shall be completed by the subcontractor and certified by the architect, engineer and owner.
1. PROVIDE AND INSTALL INFRASTRUCTURE AS SHOWN.

2. PROVIDE AND INSTALL TWO 4" CONDUITS FROM WMS TO THE RCS MDF.

3. EXTEND FIBER SERVICES FROM THE WALKERSVILLE MIDDLE SCHOOL MDF TO THE RCS MDF AS PART OF THIS CONTRACT. (12 STRAND SINGLEMODE FIBER)

4. UNDERGROUND LOW VOLTAGE CONDUITS SHALL BE A MINIMUM OF 24" BELOW GRADE AND COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.

5. EXACT LOCATION OF SERVICE PROVIDER SITE ENTRY SHALL BE COORDINATED IN THE FIELD WITH SERVICE PROVIDERS. ADJUST AS NECESSARY TO DELIVER SERVICES TO THE BUILDING.

6. PROVIDE AND INSTALL 30" x 48" x 24" QUAZITE HAND HOLE AT EACH LOCATIONS.

7. ALL CONDUITS SHALL BE INSTALLED AND LEFT WITH A PULL STRING ACCESSIBLE.

8. CONDUITS SHALL BE STUBBED AND CAPPED AT SERVICE PROVIDER POLES.

9. PROVIDE AND INSTALL TWO STRAND MM OM4 FIBER TO EACH SITE SIGN.

10. PROVIDE AND INSTALL 2 STRAND OM4 FIBER FROM SIGN TO HAND HOLE.

11. PROVIDE AND INSTALL ONE 2" CONDUIT FROM SIGN TO HAND HOLE.

12. THE RCS MDF SHALL SERVE AS THE POINT OF DEMARCATION FOR INCOMING LOW VOLTAGE SERVICES. CONDUITS SHALL STUB INTO THE MDF.

13. CONDUIT SHALL FEED TO CEILING SPACE OF WMS AND RUN TO THE MDF.

14. FIBER SHALL BE RUN IN EXISTING CATV SPACE TO BELOW GRADE.

15. FOUR 4" CONDUITS TO BUILDING FROM SERVICE POLE TO THE RCS MDF.

16. PROVIDE TWO 4" CONDUITS 24" BELOW GRADE.

17. CONDUITS SHALL BE RUN FROM EXTERIOR WALL CEILING SPACE TO BELOW GRADE.

18. PROVIDE AND INSTALL ONE 2" CONDUIT TO BUILDING.

19. PROVIDE AND INSTALL TWO 4" CONDUITS TO BUILDING.

20. PROVIDE AND INSTALL TWO 4" CONDUITS TO BUILDING.
1. PROVIDE AND INSTALL 4" J-HOOKS NO MORE THAN 6' APART TO SUPPORT LOW VOLTAGE CABLES THROUGHOUT THE FACILITY.

2. J-HOOKS SHALL HAVE A MINIMUM OF 3" CLEAR FOR ACCESS.

3. J-HOOKS SHALL BE PROVIDED IN SUFFICIENT QUANTITY TO SUPPORT GMP AND TSD LOW VOLTAGE CABLES.

4. 20% SPARE CAPACITY OF J-HOOKS SHALL BE PROVIDED.

5. COORDINATE INSTALLATION WITH OTHER TRADES.

6. PROVIDE AND INSTALL 4" CONDUITS AS SHOWN FOR LOW VOLTAGE DISTRIBUTION.

7. PROVIDE AND INSTALL 2" CONDUITS INTO EACH SPACE AS SHOWN FOR LOW VOLTAGE DISTRIBUTION.

8. PROVIDE AND INSTALL A SPARE 4" BACKBONE CONDUIT FOR FUTURE DAS SYSTEM. LEAVE EMPTY.

9. CONDUITS SHALL BE ABOVE ACCESSIBLE CEILINGS WHERE PRESENT.

10. CONDUITS SHALL BE CONTINUOUS ABOVE HARD CEILINGS WHERE PRESENT WITH ACCESS PANELS AS NEEDED. COORDINATE IN THE FIELD.

11. CONDUITS SHALL BE RUN ADJACENT TO DECK IN OPEN CEILING AREAS.

12. SERVICE AREAS SHOWN SHALL BE ADJUSTED AS NEEDED TO ALLOW HORIZONTAL STRUCTURED CABLES TO REMAIN LESS THAN 90 METERS.

13. COORDINATE ALL LADDER RACK AND CONDUITS WITH FIREWALLS AND EXPANSION JOINTS. PENETRATIONS MUST PROVIDE THE SAME OR GREATER FIRE RATING.
ALTERNATIVE SPECIALIZED ED WING - ALTERNATE #2

GREENHOUSE ALTERNATE #3

PARKS AND REC ALTERNATE #1

MIDDLE SCHOOL ALTERNATE #4

KEY PLAN

AB
CD
ALT.
SE
ALT.
M.S.
ALT.
P&R
G
1. INSTALL WITH 3' OF SLACK AT WORKSTATION END AND 10' OF SLACK AT 110 BLOCK.

2. PROVIDE AND INSTALL NEW WALL MOUNTED 110 BLOCKS.

3. PROVIDE AND INSTALL NEW HORIZONTAL CAT 6 UTP CABLE AND PATCH CORD FOR ANALOG DEVICES.

4. PROVIDE AND INSTALL 25 PAIR CAT 5E RISER FROM THE MDF TO EACH IDF.

5. PROVIDE AND INSTALL TWO STRAND 50 MICRON OM4 FIBER FROM THE RCS MDF TO THE RCS SITE SIGN.

6. PROVIDE AND INSTALL TWO STRAND 50 MICRON OM4 FIBER FROM THE WMS SITE SIGN TO THE WMS MDF.

7. INSTALL WITH 15' OF CABLE SLACK AT THE WAP END AND 10' OF SLACK AT THE RACK.

3. PROVIDE AND INSTALL NEW UPS EQUIPMENT.

7. THE FOLLOWING ROOMS SHALL HAVE A COAXIAL CATV CONNECTION: PROFESSIONAL DEVELOPMENT, TEACHER'S

1. PROVIDE AND INSTALL NEW LAUNCH AMPLIFIER.

8. WIRELESS CABLES SHALL BE GREEN WITH GREEN JACKS AND GREEN PATCH CORDS.

3. DATA CABLES SHALL BE BLUE WITH BLUE JACKS AND BLUE PATCH CORDS.

5. CCTV CABLES SHALL BE PURPLE WITH PURPLE JACKS AND PURPLE PATCH CORDS.

6. SECURITY CABLES SHALL BE GRAY WITH GRAY JACKS AND GRAY PATCH CORDS

1. SUBMIT POPULATED FACEPLATE SAMPLES FOR REVIEW PRIOR TO APPROVAL BY THE

Design Team and Owner.

1. PROVIDE AND INSTALL ALL 6" X 84" FLOOR MOUNTED VERTICAL MANAGERS.

2 RU 48 PORT CAT 6A DATA RACK WITH 6" (NIC)

3 RU SWITCH

1 RU MANAGER PATCH PANEL

3 RU 2200 VAC UPS

3 RU SWITCH

1 RU MANAGER PATCH PANEL

GROUND BAR

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

1 RU MANAGER PATCH PANEL

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

1 RU MANAGER PATCH PANEL

3 RU SWITCH

1 RU MANAGER PATCH PANEL

3 RU SWITCH

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3 RU SWITCH

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6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

1 RU MANAGER PATCH PANEL

3 RU SWITCH

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1 RU MANAGER PATCH PANEL

6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

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3 RU SWITCH

1 RU MANAGER PATCH PANEL

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1 RU MANAGER PATCH PANEL

6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

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3 RU SWITCH

1 RU MANAGER PATCH PANEL

6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

1 RU MANAGER PATCH PANEL

3 RU SWITCH

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6" x 84" FLOOR MOUNTED VERTICAL MANAGERS

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NOTES:

1. PROVIDE AND INSTALL ALL REQUIRED PATHWAYS, CABLING, RACK EQUIPMENT, MICS, ELECTRONICS AND SPEAKERS FOR THE A/V SYSTEM AS DESCRIBED IN THE TECHNOLOGY DRAWINGS.

2. ELECTRONICS FOR THE A/V SYSTEMS SHALL BE PROVIDED, INSTALLED AND TESTED AND BE SHOWN TO BE FREE FROM DEFECT.

3. EQUIPMENT CABINET SHALL BE PROVIDED, INSTALLED AND PROPERLY SECURED TO THE WALL AND HOLD THE ANTICIPATED AMOUNT OF EQUIPMENT AND WEIGHT.

4. THE A/V SYSTEM SHALL BE TIED TO THE FACP AND INTERCOM SYSTEM AND SHUNT DURING AN EMERGENCY CALL OR ALERT.

5. WORK MUST BE COORDINATED WITH ASSOCIATED ELECTRICAL COMPONENTS AND ARCHITECTURAL COMPONENTS.

6. ALL CABLES SHALL BE LABELED AT BOTH ENDS WITH IDENTIFICATION, SIGNAL STRENGTH AND CABLE LENGTH.

7. SOUND AND VIDEO SHALL BE ADJUSTED, VERIFIED AND DEMONSTRATED AS PART OF SYSTEM INSTALLATION. EDID AND HDCP SETTINGS SHALL BE ADJUSTED, VERIFIED AND RECORDED FOR VIDEO SIGNALS.

8. PROVIDE AN EASE PLOT FOR THE SPEAKERS SELECTED WHICH SHOWN SOUND PRESSURE LEVELS FOR THE SPACE BEING SERVED.

9. WORK MUST BE COORDINATED WITH INTERCOM, FACP AND ELECTRICAL INSTALLERS.

10. THE LARGE FORMAT PROJECTOR MUST BE COORDINATED WITH THE PROJECTION SCREEN, SIZE, HEIGHT AND SURFACE PRIOR TO INSTALLATION.

11. THE LARGE FORMAT PROJECTOR MUST BE COORDINATED WITH THE PROJECTION SCREEN, SIZE, HEIGHT AND SURFACE PRIOR TO INSTALLATION.

12. SEE RELATED SPECIFICATION SECTION FOR EQUIPMENT AND INSTALLATION DETAILS.
NOTE:
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4. THE A/V SYSTEM SHALL BE TIED TO THE FACP AND INTERCOM SYSTEM AND SHUNT DURING AN EMERGENCY CALL OR ALERT. COORDINATE WORK WITH INTERCOM, FACP AND ELECTRICAL INSTALLERS.
5. ALL CABLES SHALL BE RUN IN RIGID METALIC CONDUIT RUN BEHIND SURFACES WHERE POSSIBLE.
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9. WORK MUST BE COORDINATED WITH ASSOCIATED ELECTRICAL COMPONENTS AND ARCHITECTURAL COMPONENTS.
10. THE EXTRON CONTROLLER SHALL OPERATE THE ELECTRIC DROP DOWN SCREEN. PROVIDE AN INSTALL NECESSARY CONNECTIONS.
11. THE LARGE FORMAT PROJECTOR MUST BE COORDINATED WITH THE PROJECTION SCREEN, SIZE, HEIGHT AND SURFACE PRIOR TO INSTALLATION.
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26. THE CONTRACTOR SHALL PROVIDE A COMPLETE PUNCHLIST OF ALL INSTALLED SYSTEMS TO THE CONSTRUCTION
25. THE CONTRACTOR SHALL PROVIDE COMPLETE AS-BUILT DOCUMENTATION IN HARDCOPY AND ELECTRONIC FORMAT FOR
24. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, WRITTEN SUBMITTALS, CUT SHEETS, CALCULATIONS AND EQUIPMENT
21. WHEREVER CONDUITS PENETRATE WALLS OR FLOORS, THE SPACE REMAINING IN SUCH PENETRATIONS SHALL BE FILLED.
18. ALL SLAB PENETRATIONS MUST BE X-RAYED AND DOCUMENTED PRIOR TO BEGINNING WORK.
17. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT, ENGINEER AND OWNER IN WRITING OF ANY DISCOVERED CONFLICTS
16. NO CONSIDERATION OR ALLOWANCE SHALL BE GIVEN FOR FAILURE TO VISIT THE SITE, NOR FOR ANY ALLEGED
14. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST, ANY LABOR, MATERIALS, SERVICES, APPARATUS,
12. THE TECHNOLOGY PLANS ARE DIAGRAMMATIC. ALL WORK MUST BE COORDINATED PRIOR TO INSTALLATION.
9. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR COMPLETE INSTALLATION.
8. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL SECURE THE NECESSARY PERMITS AND CLEARANCES FROM
7. ANY PENETRATION OF A FIRE-RATED BARRIER MUST BE PROPERLY SEALED WITH FIRESTOPPING MATERIAL IN ACCORDANCE
6. SEE ELECTRICAL DRAWINGS FOR POWER CIRCUITS AND REQUIREMENTS RELATED TO LOW VOLTAGE OUTLETS SHOWN IN
5. CONTRACTOR SHALL NOT INSTALL ANY EQUIPMENT PRIOR TO ITS APPROVAL BY THE ARCHITECT, ENGINEER AND OWNER.
4. ALL CABLING SHALL BE APPROPRIATELY LABELED. SEE TY SERIES DRAWINGS FOR EXACT REQUIREMENTS.
3. ALL LOW VOLTAGE CABLING MUST BE INSTALLED ACCORDING TO BICSI GUIDELINES AND METHODS.
2. PROVIDE AND INSTALL A COMPLETE INTRUSION DETECTION SYSTEM INCLUDING ALL MOTION DETECTORS, DOOR CONTACTS,
1. PROVIDE AND INSTALL A COMPLETE ACCESS CONTROL SYSTEM INCLUDING ALL CARD READERS, SERVERS, ACCESS

**SECURITY SHEET LIST**

- CR ACCESS CONTROL CARD READER
- AE VIDEO PHONE EXTERIOR STATION
- AI VIDEO PHONE INTERIOR STATION
- D INTRUSION DETECTION DOOR CONTACT
- Fixed CCTV Camera (Camera by Owner)
If the Middle School Alternate is accepted, the B and E wing layouts shall be adjusted to have similar floor plan layouts as the Middle School wing. As a result, a shared learning space will replace one classroom in the B and E wings and an additional CCTV camera, door contacts and card reader will be added to each wing.
ALTERNATIVE SPECIALIZED ED WING - ALTERNATE #2

GREENHOUSE - ALTERNATE #3
1. IF THE MIDDLE SCHOOL ADD ALT. IS ACCEPTED, THE B AND E WING LAYOUTS SHALL BE ADJUSTED TO HAVE SIMILAR FLOOR PLAN LAYOUTS AS THE MIDDLE SCHOOL WING. AS A RESULT, A SHARED LEARNING SPACE WILL REPLACE ONE CLASSROOM IN THE B AND E WINGS AND AN ADDITIONAL CCTV CAMERA, DOOR CONTACTS AND CARD READER WILL BE ADDED TO EACH WING.
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1. TO ACCESS

12" X 12" JBOX ABOVE DOOR

96" AFF UNLESS SINGLE GANG WITH BUSHING

ONE 1" CONDUIT TO JUNCTION BOX FROM DOOR FRAME

ONE 3/4" RECESSED CONDUIT FOR

POWER SUPPLY

90 DEGREE CONDUIT STUB TO JUNCTION BOX

ONE 3/4" RECESSED CONDUIT TO HINGE

CONDUIT TO HINGE

HINGE

CONDUIT

48" AFF

JUNCTION BOX

SINGLE GANG

4. PROVIDE AND INSTALL A COMPLETE INTRUSION DETECTION SYSTEM.

5. EGRESS SHALL NOT BE IMPEDED BY INTRUSION EQUIPMENT AND SHALL BE ACCOMPLISHED BY THE

ELECTRIC LATCH HARDWARE.

6. EXIT AREAS SHALL BE CAPABLE OF ACCEPTING AND PROCESSING ADOPTED LOCAL CODES.

7. ON PARTITION EXP AND OTHER DEVICES TO OTHER DEVICES

8. THE INTRUSION LINE DIAGRAM REPRESENTS A TYPICAL SYSTEM WIRING SCHEME. NOT ALL

INTRUSION DEVICES SHALL BE WIRED ALARMABLY INDIVIDUALLY.

9. THE INTRUSION DETECTION SYSTEM SHALL INCLUDE DPDT DOOR CONTACTS, MOTION DETECTORS,

ALARMABLE SYSTEMS WIRE ALARMABLY INDIVIDUALLY.

10. INSTALLATION MUST BE FULLY INTERFACED, INTEGRATED & INTERCONNECTED.

11. INSTALLATION MUST BE COORDINATED WITH THE AIPHONE ENTRY DOOR VIDEO SYSTEM.

12. INSTALLATION MUST BE COORDINATED WITH ANY DOOR OPERATOR EQUIPMENT.

13. ALL WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

14. PROVIDE AND INSTALL A MECHANICAL LOCKING MECHANISM.

15. NO MORE THAN TEN DEVICES PER POWER SUPPLY.

16. INSTALLATION MUST BE COORDINATED WITH THE SECURITY PANELS, KEYPADS, EXPANSION MODULES,

POWER SUPPLIES, BATTERY BACKUP, SECURITY PANELS, AND OPERATIONS SYSTEM.

17. DOOR CONTACTS SHALL BE RECESSED UNLESS OTHERWISE NOTED.

18. DOOR CONTACT PATHWAY SINGLE DOOR

90 DEGREE CONDUIT STUB 6" ABOVE CEILING

19. INSTALLATION MUST BE COORDINATED WITH THE AIPHONE ENTRY DOOR VIDEO SYSTEM.

20. INSTALLATION MUST BE COORDINATED WITH ANY DOOR OPERATOR EQUIPMENT.

21. INSTALLATION MUST BE COORDINATED WITH THE AIPHONE ENTRY DOOR VIDEO SYSTEM.

22. INSTALLATION MUST BE COORDINATED WITH THE AIPHONE ENTRY DOOR VIDEO SYSTEM.

23. SYSTEM PROGRAMMING AND PARTITIONS MUST BE INCLUDED WITH SHOP DRAWING AND SUBMITTAL INFORMATION. A COMPLETED PARTITION AND ZONE SHEET MUST BE PROVIDED BASED ON THE

MARINITE'S INSTRUCTION PLAN.

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ALARMABLE SYSTEMS WIRE ALARMABLY INDIVIDUALLY.
1. PROVIDE AN INSTALL A COMPLETE ENTRY DOOR VIDEO INTERCOM SYSTEM INCLUDING CONTROLLERS, EXTERIOR STATIONS, DOOR RELEASE MECHANISMS, INTERIOR STATION, PATCH PANELS, CAT 6A CABLES, MULTI-BUILDING SYSTEMS AND INTERCONNECT WIRING, DIMMER PANELS, POE POWER SUPPLIES.

2. PROVIDE AN INSTALL A COMPLETE ENTRY DOOR SECURITY INTERCOM SYSTEM INCLUDING CONTROLLERS, EXTERIOR STATIONS, DOOR RELEASE MECHANISMS, INTERIOR STATION, PATCH PANELS, CAT 6A CABLES, MULTI-BUILDING SYSTEMS AND INTERCONNECT WIRING.

3. PROVIDE AN INSTALL A COMPLETE SECURITY INTERCOM SYSTEM INCLUDING CONTROLLERS, EXTERIOR STATIONS, DOOR RELEASE MECHANISMS, INTERIOR STATION, PATCH PANELS, CAT 6A CABLES, MULTI-BUILDING SYSTEMS AND INTERCONNECT WIRING.

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