MISCELLANEOUS DEMOLITION KEYED NOTES

C1. REMOVE 8" X 24" SECTION OF CMU AS INDICATED FOR NEW TRANSFER DUCT

CEILING DEMOLITION KEYED NOTES

W2. REMOVE 8" CMU WALL TO DECK ABOVE FOR EXTENTS INDICATED. BRACE EXISTING TO

W1. REMOVE 8" CMU WALL AS REQUIRED FOR NEW OPENINGS. PROVIDE LINTEL AS

WALL DEMOLITION KEYED NOTES

F1. REMOVE CARPET FLOORING SYSTEM AND ASSOCIATED BASE COMPLETE. PREP

DESTRUCTION REFERENCED NOTES:

DEMOLITION GENERAL NOTES:

DEMOLITION REFERENCED NOTES:

M1. FURNITURE - REMOVED BY OWNER

MISCELLANEOUS DEMOLITION KEYED NOTES

M1. WALL PHONE - REMOVE AND STORE FOR RE-INSTALLATION IN NEW WORK.

M2. WALL PHONE - REMOVE AND STORE FOR RE-INSTALLATION IN NEW WORK.

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GENERAL REMODELING NOTES - ALL CONTRACTORS
1. ALL WORK SHOWN ON DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS, ISSUED FOR BIDS - NOT FOR CONSTRUCTION.
2. ALL DESIGN AND ORGANIZATIONAL RESULTS OBTAINED FROM THE CONTRACTOR'S EFFORTS ARE THE PROPERTY OF THE ARCHITECT AND CONSTRUCTION COMPANY. DRAWINGS ISSUED FOR BIDS - NOT FOR CONSTRUCTION. ISSUE: 04/28/2023 10:30:54 AM 22-006 DKA PROJECT NO: MCHENRY COUNTY COLLEGE VISITING TEAM CHANGING ROOMS

STEEL HANGER ROD SUPPORTED FROM BUILDING STRUCTURAL ELEMENTS

GENERAL REMODELING NOTES
1. THIS NOTE DESCRIBES THE LOCATION OF STEEL HANGERS WHICH ARE TO BE USED FOR THE SUPPORT OF BASIC MATERIALS AND SUPPORTS SUCH MATERIALS. THE CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING

2. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS REMOVED. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR AND/OR MANUFACTURER WARRANTEES, AND “AS BUILT” FLOOR PLANS.

3. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS REMOVED. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR AND/OR MANUFACTURER WARRANTEES, AND “AS BUILT” FLOOR PLANS.
EXISTING HVAC EQUIPMENT TO REMAIN.

NEW CONNECTION TO BE MADE AT THIS LOCATION.

REMOVE ALL DUCTWORK, DIFFUSERS, EXISTING DUCTWORK, DIFFUSERS, REGISTERS, AND GRILLE S TO REMAIN.

TRANSFER OPENING OF SIZE INDICATED IN WALL ABOVE CEILING. SEE ARCHITECTURAL DRAWING NOTES:

EXISTING THERMOSTAT TO REMAIN.

REMOVE ALL DUCTWORK, DIFFUSERS, REGISTERS, HANGERS, INSULATION, ETC. SHOWN.

GENERAL NOTES - HVAC WORK:

1. ALL NEW WORK AND MATERIALS SHALL CONFORM TO CITY OF CRYSTAL LAKE CODE AND CERI (ASHRAE) COOLING TOWER STANDARDS.

2. NO LINES OR DUCTS SHALL BE ORANGE OR ORANGE-X RAL 2004. ALL LINES AND DUCTS SHOWN ARE FOR REFERENCE ONLY AND ARE NOT TO BE CONSIDERED AS LOCATIONS WHERE NEW CONNECTIONS ARE BEING MADE.

3. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK INSIDE FACE TO INSIDE FACE.

4. ALL ROUND CONCEALED FLEXIBLE DUCT SHALL BE WIREMOLD OR THERMOFLEX FACTORY INSULATED 1" THICK MAXIMUM OF 5'0" LONG TO DIFFUSERS/REGISTERS.

5. PROVIDE REMOTE CABLE CONTROL IN INACCESSIBLE CEILINGS AT LOCATIONS WHERE ARCHITECTURAL DRAWINGS DO NOT INDICATE A CEILING ACCESS PANEL.

6. PROVIDE CEILING ACCESS PANEL IN INACCESSIBLE CEILINGS.

7. PITCH AND SET ALL DIAMOND PLATES OF ALL EXISTING DUCTWORK, FLEXIBLE FIBERGLASS INSULATION WITH VAPOUR BARRIER JACKET.

8. PATCH AND REFINISH ALL DAMAGED INSULATED SURFACES OF ALL EXISTING DUCTWORK, PIPING AND ASSOCIATED FITTINGS TO MATCH EXISTING WHERE NEW CONNECTIONS ARE BEING MADE.

9. EXCEPT AS NOTED OTHERWISE, ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK INSIDE FACE TO INSIDE FACE.

10. BALANCE BUILT SYSTEM TO ACCOMPLISH AIR QUANTITIES SHOWN AT ALL REPORT FOR REVIEW BY OWNER AND ENGINEER.

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10. BALANCE BUILT SYSTEM TO ACCOMPLISH AIR QUANTITIES SHOWN AT ALL REPORT FOR REVIEW BY OWNER AND ENGINEER.
GENERAL NOTES - FIRE PROTECTION

1. PROVIDE COVERAGE FOR EXISTING AREAS, SYSTEMS SHALL CONFORM TO EXISTING SYSTEMS AND REGULATIONS OF APPROPRIATE HORTIONAL, AND LOCAL AUTHORITY

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL INSPECTIONS WITH THE LOCAL AUTHORITY HAVING JURISDICTION.

3. CONTRACTOR SHALL PROVIDE PATTERN ALL SYSTEMS FOR CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL AMENDMENTS.

4. CONTRACTOR SHALL REVIEW ALL PLANS AND DETERMINE EACH ROOM OR SPACE WITHIN THE BUILDING FOR APPROPRIATE SPRINKLER COVERAGE AND INSTALLATION.

5. LIGHTING LINES SHALL BE DESIGNED TO 0.10 GPM PER SQUARE FOOT, 225 SQ.FT PER HEAD WITH A REMOTE AREA OF 1500 SQUARE FEET. AN AREA OF LESS THAN 1,500 SQUARE FEET MAY BE PERMITTED WHEN THE USE OF QUICK RESPONSE HEADS QUALIFIES FOR THE REDUCTION.

6. ALL EXISTING PIPING INFORMATION SHOWN ON THE DRAWING HAS BEEN OBTAINED FROM OWNER'S EXISTING CONSTRUCTION DOCUMENTS AND LIMITED FIELD SURVEY. EXACT LOCATION OF EXISTING SPRINKLER SYSTEM COMPONENTS SHALL BE FIELD VERIFIED BEFORE STARTING INSTALLATION.

7. CONTRACTOR SHALL PROVIDE ALL EXISTING PIPING INFORMATION SHOWN ON THIS DRAWING HAS BEEN OBTAINED FROM OWNER'S EXISTING CONSTRUCTION DOCUMENTS AND LIMITED FIELD SURVEY. EXACT LOCATION OF EXISTING SPRINKLER SYSTEM COMPONENTS SHALL BE FIELD VERIFIED BEFORE STARTING INSTALLATION.

8. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE AND BELOW OTHER WAYS AS REQUIRED TO COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS OR TO PROVIDE ADEQUATE COVERAGE AS SPECIFIED OR REQUIRED BY APPROPRIATE LOCAL AUTHORITY.

9. PIPE SLEEVE INSTALLED AROUND Pipe ONLY. ALL PIPE PASSING THROUGH WALLS SHALL HAVE A GALVANIZED SHEET METAL OR SCHEDULE 40 STEEL PIPE SLEEVE INSTALLED AROUND THEM.

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11. PROVIDE PIPE LABELING IDENTIFICATION PER ASME A13.1. SEE DETAIL FOR ADDITIONAL INFORMATION. PIPE LABELS SHALL BE WRAP AROUND TYPE. SELF ADHESIVE TYPE SHALL BE PERMITTED.

12. PROVIDE ALL TINTING DETALING DEVICES FOR COMPLETE SYSTEM.

13. SPRINKLER HEADS SHOWN AS REQUIRED. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE AND BELOW MECHANICAL, ELECTRICAL, DUCT AND EIGHTH UNIT EIGHTS IN WIDTH.

14. FIRE PROTECTION SYSTEM SHALL INCLUDE ALL APPARATUS COMPLETE SYSTEM.

15. INSTALLATIONS FOR FIRST TIME CONSTRUCTION, STORAGE票房, STOREROOM, OFFICE, HANGAR, ETC., MAY BE COORDINATED WITH THE ARCHITECT DESIGNED LOCAL FIRE DEPARTMENT ACTIVITIES.

16. PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRED ACCORDING TO THE CONTRACT.

17. PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRED ACCORDING TO THE CONTRACT.

18. RETURN BEND DETAIL IS REQUIRED FOR BIDDER. CONTRACTOR SHALL DRAIN ZONE AS REQUIRED TO COMPLETE WORK UNDER THIS CONTRACT.

19. CONTRACTOR MAY REQUEST TO DEVIATE FROM CONTRACT. CONTRACTOR MAY REQUEST TO DEVIATE FROM CONTRACT.

20. CONTRACTOR MAY REQUEST TO DEVIATE FROM CONTRACT.

21. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE AND BELOW MECHANICAL, ELECTRICAL, DUCT AND EIGHTH UNIT EIGHTS IN WIDTH.

22. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLER HEADS ABOVE AND BELOW MECHANICAL, ELECTRICAL, DUCT AND EIGHTH UNIT EIGHTS IN WIDTH.

23. PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRED ACCORDING TO THE CONTRACT.

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25. PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRED ACCORDING TO THE CONTRACT.

26. PROVIDE ACCESS TO ALL VALVES AND SYSTEM COMPONENTS REQUIRED ACCORDING TO THE CONTRACT.
RE-INSTALL WALL PHONE AT NEW LOCATION. RE-ROUTE EXISTING CABLE IN NEW SURFACE WIRE TO EXISTING RECEPTACLE BRANCH CIRCUIT CURRENTLY SERVING THIS AREA.

LUMINAIRES SHALL RECONNECT TO EXISTING LIGHTING BRANCH CIRCUIT SERVING AREA.

CAREFULLY DISCONNECT, REMOVE, STORE AND PROTECT EXISTING WALL PHONE FOR

CAREFULLY DISCONNECT, REMOVE AND TURN OVER EQUIPMENT TO OWNER'S

ARCHITECT OF RECORD

DEMONICA KEMPER ARCHITECTS
125 N. HALSTED STREET, SUITE 301
CHICAGO, IL 60661
P: 312.496.0000

MEP/FP ENGINEER

20/10 ENGINEERING GROUP
1216 TOWER ROAD
SCHAUMBURG, IL 60193
P: 847.882.2010

GENERAL NOTES:

a. ALL SENSOR LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.

b. CONTRACTOR IS RESPONSIBLE FOR PROPER EASE OF LIGHT DEVICES VARIOUS TYPES ADAPTABLE PRODUCTS.

Contractor is responsible for the installation of all electrical equipment in the absence of an approved plan. All electrical work shall be performed in accordance with the provisions of the National Electrical Code and all other applicable codes and regulations.

c. ULTRASONIC CEILING MOUNT SENSORS SHOULD BE LOCATED A MINIMUM OF SIX FEET FROM HVAC SUPPLY/RETURN VENTS.

d. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

e. PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.

f. SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.

g. PROJECTS NOT SPECIFIED ARE ACCEPTABLE MANUFACTURER FINAL PRODUCT MADE LIVE OF CONTROL.

h. SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.

i. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

j. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

k. PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.

l. SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.

m. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

n. PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.

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s. CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

General Notes:

• ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT TO BE CONTROLLED.

• THE MAXIMUM NUMBER OF SENSORS THAT CAN BE PUT ON A POWER PACK IS TO BE REDUCED BY ONE FOR EACH SLAVE PACK USED.

• SENSOR PLACEMENT ON PLANS IS APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR ENGAGING A MANUFACTURER TO PRODUCE A MOTION SENSOR LAYOUT THAT IS COMPLIANT WITH THE GOVERNING ENERGY CODE.

• CONTRACTOR IS RESPONSIBLE FOR INSTALLING EQUIPMENT IN COMPLIANCE WITH LOCAL CODE.

• PRODUCTS FROM SPECIFIED AND ACCEPTABLE MANUFACTURERS SHALL PROVIDE SAME LEVEL OF CONTROL.
GENERAL REMODELING NOTE: UPCOMING TO 400 SHEETS.
1. WORK SHOWN ON DRAWINGS SHALL BE CONSIDERED NEW AND IN CONTRACT UNLESS SPECIFICALLY INDICATED OTHERWISE.
2. CONSTRUCTION MATERIALS, FINISHES, LAMINATES, ETC., TO BE REMOVED, RELOCATED, OR MODIFIED BY THIS CONTRACTOR TO ALLOW FOR THE RENOVATION PHASE OF CONSTRUCTION. THE ELECTRICAL DEMOLITION REQUIRED TO ACCOMMODATE THE RENOVATION WILL BE EXTENDED AND REINSTALLED AS REQUIRED IN NEW CEILINGS. FIELD VERIFY EXACT QUANTITIES AND REQUIREMENTS.
3. ALL INDICATED ELECTRICAL EQUIPMENT, LUMINAIRES, DEVICES, AND RELATED CONDUIT AND CABLING TO BE REMOVED UNLESS NOTED OTHERWISE.
4. ALL DEMOLITION OF THE ELECTRICAL SYSTEM AS NOTED ON THE DEMOLITION DRAWINGS SHALL BE COORDINATED WITH THE RENOVATION REQUIREMENTS.
5. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS, WALLS AND AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL MEMBER.
6. CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR CONDUIT, EQUIPMENT, ETC. ALL WIRING MASTES AND TERMINALS TO BE SUPPLIED AND INSTALLED.
7. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL PARTITIONS FOR NEW CEILINGS THROUGH METALLIC ConDUIT SLEEVES, EXTENDING A MINIMUM OF (1) 1 1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
8. CONTRACTOR SHALL INSTALL INCLUDED DRYWALL OR PLASTER CEILINGS THROUGH METALLIC CONDUIT SLEEVES, EXTENDING A MINIMUM OF (1) 1 1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
9. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL PARTITIONS FOR NEW CEILINGS THROUGH METALLIC CONDUIT SLEEVES, EXTENDING A MINIMUM OF (1) 1 1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
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20. CONTRACTOR SHALL MAINTAIN FIRE RATING OF ALL PARTITIONS FOR NEW CEILINGS THROUGH METALLIC CONDUIT SLEEVES, EXTENDING A MINIMUM OF (1) 1 1/4" CONDUIT (DATA) & (1) 1" CONDUIT (FIRE ALARM/INTERCOM) U.N.O.
**ELECTRICAL SPECIFICATIONS**

1. **MANNER OF INSTALLATION**
   - #12AWG MINIMUM
   - #10AWG MINIMUM

2. **ELECTRICAL SPECIFICATIONS**
   - WITH THE LS SENSORS SHALL BE MOUNTED IN PLACE, PROPERLY WIRED, PROGRAMMED INSTRUCTIONS OF THE CABLE MANUFACTURER USING THE METHODS AND MATERIALS RECOMMENDED BY THE MANUFACTURER.

3. **THE WORK TO BE PERFORMED UNDER THE ELECTRICAL SPECIFICATIONS AND DRAWINGS CONSISTS OF FURNISHING ALL LABOR AND MATERIAL FOR**

4. **WIRING DEVICES**
   - WIRE #8 AWG AND LARGER:
   - DEMONICA KEMPER ARCHITECTS
   - 125 N. HALSTED STREET, SUITE 301
   - CHICAGO, IL 60661
   - P: 312.496.0000

5. **LUMINAIRES**
   - BURNDY OR EQUAL SOLDERLESS MECHANICAL LUG AND PAINTED WITH INSULATING VARNISH.
   - POLARIS OR EQUAL SOLDERLESS MECHANICAL LUG WITH FACTORY APPLIED CHEMICAL AND ABRASION RESISTANT, UV RATED INSULATION.

6. **JUNCTION AND PULL BOXES**
   - ON EACH SENSOR. WHEN BYPASS IS UTILIZED, LIGHTING SHALL REMAIN ON RED CONSTANTLY OR CONTROL SHALL DIVERT TO A WALL SWITCH UNTIL SENSOR IS REACTIVATED.

7. **POWER PACKS:**
   - PLenum RATED, SELF CONTAINED LOW VOLTAGE CLASS 2 TRANSFORMER AND RELAY COMPATIBLE WITH SPECIFIED LOW VOLTAGE POWER PACKS.

8. **FIRESTOPPING**
   - THE CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, ROOFS, AND/OR FLOORS SO THAT THE INTACT FIRE RATING IS NOT COMPROMISED BY THE CONTRACTOR'S INSTALLATION OF ANY BOX, CABLE TRAY, RACEWAY, OR CONDUIT. FIRE STOPPING SHALL BE PERFORMED BY A PROFESSIONAL FIRESTOPPER AND SHALL CONFORM TO LOCAL CODE AUTHORITY REQUIREMENTS. AT A MINIMUM, THE CONTRACTOR SHALL GROUT AROUND ALL BOXES, CABLE TRAY, RACEWAYS, AND CONDUIT INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

9. **GENERALLY**
   - OUTLET BOXES OF PROPER TYPE AND NOT LESS THAN 4 INCHES SQUARE OR OCTAGONAL AS REQUIRED BY BUILDING CONDITIONS SHALL BE PROVIDED.

10. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

11. **POWER PACKS:**
    - SINGLE PHASE 120 VOLT BRANCH CIRCUITS, COMMUNICATIONS WIRING, AND OTHER SIGNALING CIRCUITS FOR INTERIOR LOCATIONS: USE EMT.

12. **TESTING AND ADJUSTMENTS**
    - ALL WORK SHALL BE TESTED BY THE CONTRACTOR. ALL MATERIAL, LABOR, AND EQUIPMENT SHALL BE FURNISHED BY THE CONTRACTOR TO ACCOMPANY THE INSTALLATION WORK.

13. **AT A MINIMUM, THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.**

14. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

15. **HANGING DEVICES**
    - FLEXIBLE METAL CONDUIT (FMC)

16. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

17. **FIRE STOPPING**
    - THE CONTRACTOR SHALL FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, ROOFS, AND/OR FLOORS SO THAT THE INTACT FIRE RATING IS NOT COMPROMISED BY THE CONTRACTOR'S INSTALLATION OF ANY BOX, CABLE TRAY, RACEWAY, AND/OR CONDUIT. FIRE STOPPING SHALL BE PERFORMED BY A PROFESSIONAL FIRESTOPPER AND SHALL CONFORM TO LOCAL CODE AUTHORITY REQUIREMENTS. AT A MINIMUM, THE CONTRACTOR SHALL GROUT AROUND ALL BOXES, CABLE TRAY, RACEWAYS, AND CONDUIT INSTALLATION SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

18. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

19. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

20. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

21. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.

22. **CONTRACTOR'S GUARANTEE**
    - THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE IN WRITING ALL MATERIAL, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROVIDE FREE SERVICE FOR ALL EQUIPMENT INVOLVED IN THE CONTRACT DURING THIS GUARANTEE PERIOD.