3.02 ZONING:

A. Provide zoning as required by local authorities having jurisdiction.

B. Provide smoke detectors, horns, strobes, pull stations, etc. in locations required by the Fire Marshal or code.

C. Install system in accordance with all national, state and local codes, UL standards, and the manufacturer's published instructions.

D. Provide necessary materials and appurtenances, including coordination with the Owner concerning a complete and timely central system tie-in between the fire alarm system and the local fire department or jurisdictional authority when required by Public Authorities. A functional test of the tie-in shall be demonstrated during the final fire alarm system testing.

E. Be responsible for designing and installing a complete fire alarm system that meets all codes.

F. Coordinate devices that pertain to other work in the contract with the appropriate trades.

G. The Electrical subcontractor shall be responsible for wiring and connection to sprinkler switches.

H. Cover smoke detectors to prevent contamination by dust, and keep covered until Substantial Completion.

I. Provide ceiling mounted remote test switch with indicator light for each duct detector. Coordinate with mechanical contractor.

J. Provide connectors and signals from devices in the elevator shaft, machine room, and landings to the elevator controller to complete activation and shutdown events required per ASME/ANSI A17.1, Standard Safety Code for Elevators and Escalators.

K. Provide connectors and signals from smoke dampers in air ducts of designated air-conditioning duct systems.

L. Provide strobe units to meet ADA requirements.

3.03 WIRING METHODS:

A. Wire sizes shall be in accordance with NEC 760, and minimum shall be 16 AWG.

B. All zone and circuit wiring shall be colored.

C. All wiring shall be run in conduit, minimum ¾" in size.

C. Wiring shall be stamped approved for fire alarm system wiring.

E. Provide connections to flow and tamper switches. Devices shall be provided by the Sprinkler contractor.

3.04 SPLICES:

A. No splices will be allowed. Where connections must be made, provide a junction box with labeled terminal strips.

3.05 MANUFACTURER'S INSTRUCTIONS:

A. Contractor shall furnish and install in accordance with manufacturer's instructions all wiring, conduit and outlet boxes required for the installation of a complete system as described herein.

PART 4 - SUPPORT SERVICES

A. Fire alarm contractor shall provide the following support services:

1. As-built shop drawings on all equipment amounts and locations.
2. Three sets of instruction manuals, plus one simplified set of instructions.
3. A test and maintenance agreement proposal that meets all criteria of NFPA 72 H (testing procedures for signaling systems) on an annual basis including one test each year. Provide this proposal with the Contractor's bid package on his company's letterhead.

B. Warranty (labor and material) on all equipment shall be for one year following final acceptance test.

EMPTY CONDUIT SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION:

A. Provide empty conduits and pull cords, boxes, cabinets, terminal mounting boards and supports for future installation of data wiring and telephone wiring and telephones by local telephone company and Owner's tele/data equipment supplier.

PART 2 - PRODUCTS:

2.01 MATERIALS:

A. Provide Grounding as required.

PART 3 - EXECUTION

3.01 PREPARATION:

A. Coordinate with local telephone company and Owner's tele/data vendor or provider. Obtain and submit their written approval before proceeding.

B. Layout exact locations of outlets, cabinets and boards.

3.02 INSTALLATION:

A. Provide system of empty conduits with pull cords; pull and junction, floor and outlet boxes; cabinets and terminal mounting boards in accordance with installation requirements of materials' respective Sections and NEC.

B. Install outlets at following elevations above finished floors to center of boxes:

1. Standard - 18 inches.
2. Wall bracket - 48 inches.
3. Above backsplash and trim - 4 inches.

D. Tag ends of pull cords giving opposite terminus room numbers.

COVERING MECHANICAL DESIGN

STATE OF TEXAS
NINA C. BRADSTREET
98457
LICENSED
PROFESSIONAL ENGINEER

04/13/17

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M. BRYAN CHADWICK
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DATE: **04.12.2017**

REVISIONS:

PROJECT NO.: **16054**

SHEET TITLE:

MEP SPECIFICATIONS

SHEET NO.:

MEP004

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