



PENTHOUSE PLAN — POWER & SYSTEMS WORK

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

NOTES :

1. REFER TO DRAWING MPE-1 FOR HVAC, PLUMBING/FIRE PROTECTION & ELECTRICAL, GENERAL, NOTES, ABBREVIATIONS, LEGENDS & DRAWING LIST.
2. UNLESS OTHERWISE NOTED, ALL 120 VOLT, SINGLE PHASE CIRCUITS SHALL HAVE #12, 1812 IN 3/4" AS A MINIMUM, ALL 120 VOLT, 20A SINGLE PHASE CIRCUITS OVER 70 FT. IN LENGTH SHALL BE #10, 1810S IN 3/4".
3. UNLESS OTHERWISE NOTED, ALL 208 VOLT, SINGLE PHASE CIRCUITS SHALL HAVE #12, 1812 IN 3/4" AS A MINIMUM, ALL 208 VOLT, 20A SINGLE PHASE CIRCUITS OVER 110 FT. IN LENGTH SHALL BE #10, 1810S IN 3/4".

CONTRACTOR TO PROVIDE ALL SIGNAGE REQUIRED IN BUT NOT LIMITED TO NEC ARTICLE 620 FOR ELEVATOR EQUIPMENT.

DRAWING NOTES :

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| 1 | TWO (2) 2" FLOOR CLOSETS, EACH WITH ONE (1) 4" EMPTY CUPOUT TO FIT FISH BETWEEN TWO AND THIRD LEVEL / CLOSETS / SLEEVES SHALL BE DESIGNATED FOR TELEPHONE AND CABLE TV RISERS. | 14 | PROVIDE NEW FLOOR (480x60, 1/2" THICK) WITH DISCONNECT SWITCH MOUNTED VPD ON WALL WITH CLOSET SHOWN. PROVIDE LOOKING PROVISIONS ON VPD DISCONNECT. CIRCUIT TO THE MAKE-UP AIR UNIT (MAU) INTEGRAL DISCONNECT AS SHOWN AND CIRCUIT TO PANEL INDICATED WITH 'H'ETES, 'H'ETES, 'H'ETES, 'H'ETES. |
| 2 | TELEPHONE & CATV 3/4x4x4x4 PLYWOOD BACKBOARD. | 15 | PROVIDE NEW FLOOR (208x60, 3/8" THICK) WITH DISCONNECT SWITCH MOUNTED VPD ON WALL WITH CLOSET SHOWN. PROVIDE LOOKING PROVISIONS ON VPD DISCONNECT. CIRCUIT TO THE EXHAUST FAN INTEGRAL DISCONNECT AS IDENTIFIED ON PLAN. |
| 3 | CURTAIN RISERS RUN WITH FURRED OUT WALL. CLOSETS SHALL TURN INTO SOFFIT. | 16 | PROVIDE NEW FLOOR (208x60, 1/8" THICK) WITH DISCONNECT SWITCH MOUNTED VPD ON WALL WITH CLOSET SHOWN. PROVIDE LOOKING PROVISIONS ON VPD DISCONNECT. CIRCUIT TO THE EXHAUST FAN INTEGRAL DISCONNECT AS IDENTIFIED ON PLAN. |
| 4 | CURTAIN PENETRATIONS FROM FLOOR BELOW. SEE E-6 FOR ADDITIONAL INFORMATION. | 17 | PROVIDE NEW FIRE ALARM CONTROL RAYLEIGH MODULES FOR FIRE ALARM PRIMARY RECALL, ALTERNATE RECALL, AND PREMANS' HAZARD FLASHING WARNING SIGNAL IN ELEVATOR CAR. LOCATE WITHIN 36 INCHES OF ELEVATOR CONTROLLER. COORDINATE EXACT LOCATION WITH ELECTRICAL PANEL. PROVIDE PRIMARY RECALL FLOOR SHALL BE THE FIRST FLOOR. SECONDARY RECALL FLOOR SHALL BE THE GROUND FLOOR. COORDINATE WITH THE LOCAL FIRE ALARMING JURISDICTION FOR WIRING OF PROGRAMMING. |
| 5 | MAINTAIN REQUIRED NEC CLEARANCES IN FRONT OF EQUIPMENT. | 18 | WIRE AND PROGRAM HATE DETECTOR FOR ELEVATOR SHAFT TRIP FUNCTION. 'HATE DETECTORS SHALL BE LOCATED WITHIN 24 INCHES OF SPRINKLER HEAD IN THIS AREA. 'HATE DETECTORS SHALL HAVE THEIR TEMPERATURE SETTING SET APPROXIMATELY 30° LOWER THAN THE AMBIENT TEMPERATURE OF THE SPRINKLER HEAD THEY ARE MOUNTED NEAR. 'HATE DETECTORS SHALL ALSO HAVE A HIGHER SENSITIVITY RATING THAN THE SPRINKLER HEAD IT IS MOUNTED NEAR. |
| 6 | WIRE AND PROGRAM FOR ELEVATOR RECALL FUNCTION. | 19 | KITCHEN PRIORITY PANEL LOCATION (LOCATION SHOWN FOR REFERENCE. FINAL LOCATION TBD). PANEL SERVES AS CONTROL POINT FOR ANGUS SYSTEM. HOD EXHAUST & SUPPLY FAN, FLOOR LIGHTING, ETC. CONTRACTOR TO COORDINATE WITH KITCHEN CONTRACTOR FOR ANGUS, GENERATOR & KITCHEN PROSTANT FOR COMPLETE REQUIREMENTS INTERCONNECTING ALL KITCHEN EQUIPMENT. |
| 7 | PROVIDE NEMA-1, 30A/154F DISCONNECT SWITCH AND CIRCUIT WITH 2H120, 3/4" TO THE PANEL INDICATED. | 20 | PROVIDE (1) REMOTE EMERGENCY POWER OFF (EPO) SWITCH FOR PARALLELED GENSETS. EPO SWITCH SHALL BE LOCATED NEAR HEAD STREET OFF PROVIDING A REMOTE EMERGENCY STOP FUNCTION. PROVIDER SHALL BE CLEAR LIFT LIFT WEATHERPROOF COVER TO PROTECT AGAINST INDENTIFICATION. WIRE AS DIRECTED BY THE MANUFACTURER. |
| 8 | PROVIDE FRACTIONAL HORSEPOWER RATED TOGGLE SWITCH FOR EQUIPMENT SHOWN WITH 2H120, 3/4" TO THE PANEL INDICATED. | 21 | PLEASE CLEAR AND VISIBLY WARNING SIGN POST TO INTEGRAL DISCONNECT TO READ THE FOLLOWING: "WARNING: DE-ENERGIZE UNIT AT THE VPD PRIOR TO MAINTENANCE WORK. DO NOT OPEN THE INTEGRAL DISCONNECT ON THE UNIT WHILE THE VPD IS RUNNING." |
| 9 | PROVIDE NEMA-1, 20A/10F DISCONNECT SWITCH (WITH LOCKING PROVISIONS), FUSED AT 20A, DISCONNECT DEDICATED FOR ELEVATOR CAR LIGHTING, REFLECTANCE, AND VENTILATION. | | |
| 10 | NON-FUSED DISCONNECT (WITH LOCKING PROVISIONS) MOUNTED WITH ELEVATOR HOISTWAY. CONNECT TO ELEVATOR MOTOR CONTROLLER AS SHOWN. COORDINATE WITH MANUFACTURER WHERE TO MOUNT DISCONNECT. | | |
| 11 | ELEVATOR CONTROLLER. COORDINATE WITH MANUFACTURER FOR EXACT LOCATION. REFER TO SINGLE LINE FOR ADDITIONAL DETAILS. | | |
| 12 | MOUNT AT THE TOP OF THE ELEVATOR HEADWAY. | | |
| 13 | PROVIDE SIZE NEMA-1 COMBINATION MAGNETIC STARTER W/ INTEGRAL DISCONNECT (154F) WITH A NEMA-1 ENCLOSURE. MOUNT STARTER ON AN UNSTRUCT SUPPORT RACK WITH CLOSET SHOWN. | | |

SEAL

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| | ISSUE FOR CONSTRUCTION | 02.28.2019 |
| 3 | COMMISSIONING COMMENTS | 01.23.2019 |
| 2 | PERMIT SET | 07.25.2018 |
| 1 | 90% PRICING SET | 06.18.2018 |
| MARK | REVISIONS | DATE |

ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

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| PROJECT #: | 140145.001 |
| FILENAME: | - |
| DRAWN: | WFW |
| CHECKED: | WFW |
| DATE: | 07/25/18 |

ISSUE FOR CONSTRUCTION
02-28-2019

PENTHOUSE PLAN-POWER & SYSTEMS

DRAWING

E-10