



EFR STANDARD

MASTER LIST v1.0 | Updated 4/7/21

| ML System Group | ML Subsystem Group | Asset Type | Description |
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| Architectural | | Architectural - General | |
| Architectural | Conveying systems | Elevator | Elevator car, elevator mechanical room |
| Architectural | Doors | Entrance Door | Used to identify entry door name/number |
| Architectural | Walls | Fire Wall | Designed to prevent the spread of fire in a building |
| Architectural | Finishes | Fire stopping | product applied to prevent smoke/fire from passing through a pathway |
| Architectural | Structure | Handicap Access | |
| Architectural | Walls | Partition wall | Motorized or manual partition wall, gyms, classrooms, offices, conference rooms |
| Architectural | Conveying systems | Platform Lift | Wheelchair lift, open car, lift platform, NOT sissor lift |
| Architectural | Roofing | Roof Access | Roof hatch or door |
| Architectural | Roofing | Roof Drain | Roof top water drain, usually routed into storm drains |
| Architectural | Roofing | Roof | Used for all roofing materials, membrain, rubber, flashing |
| Architectural | Structure | Room | |
| Electrical | Power | Electric Breaker Panel | Distribution point for electric circuits (panel board, lighting circuit panel, breaker box) |
| Electrical | Power | Electric Disconnect | physical disconnect to remove power to a hardwired device |
| Electrical | | Electrical - General | |
| Electrical | Power | Electric Meter | Measures the consumed electricity |
| Electrical | Lighting | Emergency Lighting | Battery backed up light, can be surface mounted or battery pack for ceiling lights |

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| Electrical | Bonding and Grounding | Ground bar | |
| Electrical | Generation | Generator | Fuel based backup power generation device |
| Electrical | Lighting | Lighting | General lighting, interior, exterior |
| Electrical | Generation | Transfer switch | Switches power from utility to generator |
| Electrical | Storage | UPS | Provides temporary power, small desktop, rack mounted, or cabinet style. |
| Furniture, Fixture, Equipment | Safety Equipment | AED | defibrillator, wall cabinet AED |
| Furniture, Fixture, Equipment | Fire Suppression | Ansul system | Plumbed fire suppression system for kitchens. Typically under hoods in kitchen. |
| Furniture, Fixture, Equipment | Site Equipment | Bleachers - Exterior | |
| Furniture, Fixture, Equipment | furniture | Bleachers - Interior | Stadium or gym seating |
| Furniture, Fixture, Equipment | Food Service Equipment | Burner | Kitchen cooktop |
| Furniture, Fixture, Equipment | Food Service Equipment | Walk-in Cooler | Walk-in or freestanding |
| Furniture, Fixture, Equipment | Food Service Equipment | Dishwasher | Mechanical commercial unit for cleaning dishes |
| Furniture, Fixture, Equipment | Safety Equipment | Eye Wash Station | Can be plumbed for domestic water or single use bottles |
| Furniture, Fixture, Equipment | Safety Equipment | First Aid Station | Perminate mounted first aid kit |
| Furniture, Fixture, Equipment | | FFE - General | |
| Furniture, Fixture, Equipment | Fire Suppression | Fire Extinguisher | |
| Furniture, Fixture, Equipment | Fire Suppression | Fire Hydrant | Freestanding connection for firefighters to connect directly to city water |
| Furniture, Fixture, Equipment | Food Service Equipment | Fryer | Hot oil kitchen fryer |
| Furniture, Fixture, Equipment | Food Service Equipment | Freezer | Walk-in or freestanding |
| Furniture, Fixture, Equipment | Food Service Equipment | Grinder | Food grinder |
| Furniture, Fixture, Equipment | Food Service Equipment | Hood | Kitchen hood, typically over a stove or frier. Scheduled task to clean filters/grease |
| Furniture, Fixture, Equipment | Food Service Equipment | Ice Machine | Automatic ice maker, typically has storage as well |

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| Furniture, Fixture, Equipment | Fire Suppression | Knox Box | key box at a main entrance that hold keys/fobs for emergency crews. typically brown with red reflectors |
| Furniture, Fixture, Equipment | Food Service Equipment | Mixer | Dough mixer |
| Furniture, Fixture, Equipment | Food Service Equipment | Oven | |
| Furniture, Fixture, Equipment | Site Equipment | Playground | |
| Furniture, Fixture, Equipment | Food Service Equipment | Proofing Cabinet | Warmer cabinets for proofing dough |
| Furniture, Fixture, Equipment | Food Service Equipment | Refrigerator | |
| Furniture, Fixture, Equipment | Food Service Equipment | Steamer | Unit that cooks food using hot water vapor |
| Furniture, Fixture, Equipment | Food Service Equipment | Stove | |
| Furniture, Fixture, Equipment | Food Service Equipment | Steam Table | Table or counter usually stainless steel, containers of food are kept warm with hot water/steam below |
| Furniture, Fixture, Equipment | Food Service Equipment | Water Cooler | Jug style water dispenser |
| Mechanical | Heating and Cooling | Air Conditioner | |
| Mechanical | Ventilation | Air Handling Unit | Interior unit to move air. can be for heating, cooling or both depending on coil setup. Can have water or refrigerant coils |
| Mechanical | Heating and Cooling | Blower Coil Unit | Fan blows air across a coil that is heated or cooled to condition a space. Wall or ceiling mounted |
| Mechanical | Heating and Cooling | Boiler | Hot water boiler for heating |
| Mechanical | Heating and Cooling | Chiller | Cools water in a closed loop to cool equipment |
| Mechanical | Heating and Cooling | Condensing Unit | The exterior portion of air conditioning. Typically located on the roof. User refiegant |
| Mechanical | Heating and Cooling | Cooling Tower | Large exterior heat exchanger to cool water that is pumped through the HVAC system |
| Mechanical | Ventilation | Diffuser | Diffusers are used on both all-air and air-water HVAC systems, as part |

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| | | | of room air distribution subsystems to: deliver both conditioning and ventilating air; evenly distribute the flow of air, in the desired directions, and; enhance mixing of room air into the primary air being discharged. |
| Mechanical | Humidity Control | Dehumidifier | Used for pool areas to pull moisture from the air |
| Mechanical | Ventilation | Exhaust Fan | Can be rooftop mounted, wall or ceiling mounted. Fan that pulls air out of a space |
| Mechanical | Ventilation | ERV | ERVs draw clean, fresh air into a home or office |
| Mechanical | Heating and Cooling | Expansion Tank | Used to control pressure in a closed loop water system |
| Mechanical | Ventilation | Fan Motor | internal motor to drive a fan |
| Mechanical | Heating and Cooling | Furnace | Forced air heating unit, heating element with a blower built in to move air |
| Mechanical | Heating and Cooling | Glycol Tank | Glycol holding tank, Glycol makeup unit GMU |
| Mechanical | Heating and Cooling | Gas Valve - Main | main mechanical shut off for natural gas or propane |
| Mechanical | Heating and Cooling | Gas Valve - Secondary | secondary shut off for equipment or sections of rooftop/equipemnt |
| Mechanical | Heating and Cooling | HVAC Pump | Circulator pump, for heating, cooling, cycling domestic hot water |
| Mechanical | Heating and Cooling | Heat Exchanger | system that transfers heat from one source to another, can be used for heating or cooling |
| Mechanical | Ventilation | Makeup Air Unit | vents that allow outside air in, typically have connection to fire alarm to close on fire |
| Mechanical | | Mechanical - General | |
| Mechanical | Heating and Cooling | Pump - Motor | |
| Mechanical | Heating and Cooling | Rooftop Unit | Rooftop unit to move air. can be for heating, |

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| | | | cooling or both depending on coil setup |
| Mechanical | Heating and Cooling | Split Unit - Exterior | Exterior portion of a split unit cooling/heating system. Smaller than a full size A/C condenser. Can be listed as a heat pump |
| Mechanical | Heating and Cooling | Split Unit - Interior | Single room temperature control, most often for AC but units can be heat/cool |
| Mechanical | Heating and Cooling | Tank - Heating | Holding tank for heating water |
| Mechanical | Control Systems | Temp. Sensor | Sensing device tied into a BMS or HVAC unit to control heating/cooling |
| Mechanical | Heating and Cooling | Unit Heater | Stand alone heater, heat exchanger warmed by any type of energy, fan to move the air |
| Mechanical | Heating and Cooling | Unit Ventilator | Fan blows air across a coil that is heated or cooled to condition a space. Wall or ceiling mounted |
| Mechanical | Ventilation | Variable Air Valve - VAV | Variable air volume (VAV) is a type of heating, ventilating, and/or air-conditioning (HVAC) system. Unlike constant air volume (CAV) systems, which supply a constant airflow at a variable temperature, VAV systems vary the airflow at a constant temperature. |
| Plumbing | Gas and Vacuum | Air Compressor | Air tank with compressor, used for HVAC, maintenance and sprinkler |
| Plumbing | Gas and Vacuum | Air Dryer | Usually with the air compressor, removes moisture from compressed air |
| Plumbing | Supply | Backflow Preventer | Protects potable water source from contamination |
| Plumbing | Fixtures | Ceiling Spray Hose Reel | retractable ceiling mounted spray hose |
| Plumbing | Fixtures | Drinking Fountain | |
| Plumbing | Interior - Drainage | Floor drain | open hole or grate in the floor, typically in |

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| | | | mechanical rooms, kitchens, garages. |
| Plumbing | Specialty plumbing | Fire Dept. Connection | building mounted connection for fire hoses |
| Plumbing | Gas and Vacuum | Gas Meter | Measures consumed natural gas |
| Plumbing | Specialty plumbing | Grease Trap | Can be located in the kitchens or outside, Grease Removal Devices |
| Plumbing | Fixtures | Hose Bib | Exterior hose connection |
| Plumbing | Supply | Hot Water Heater | Gas or electric. For heating of domestic water (not for heating) |
| Plumbing | Specialty plumbing | Pool Equipment | |
| Plumbing | | Plumbing - General | |
| Plumbing | Specialty plumbing | Sump Pump | removes water from a crock |
| Plumbing | Supply | Tank - Potable | Expansion tank, for heating, cooling, well water storage |
| Plumbing | Specialty plumbing | Water Softener | Large unit with several components, tanks, salt, chemicals, pumps, control panels. |
| Plumbing | Supply | Water Valve | shut off for water line, can be for heating or domestic water |
| Site | | Site - General | |
| Site | Surfaces | Turf - Exterior | Synthetic turf exterior |
| Site | Surfaces | Turf - Interior | Synthetic turf interior |
| Technology | Safety and Security | Access Control Panel | Card reader, access control panels (ACP) |
| Technology | Safety and Security | Area of rescue/refuge - AOR | Call switch located in stairwells or near elevators to call for help, monitoring station |
| Technology | Integrated AV | Broadcast Camera | Video - media center, sports, live streaming |
| Technology | Safety and Security | Blue Light - Lockdown | Notification device typically tied to access control. Lights in the event of a lockdown, can also be an IP device |
| Technology | Safety and Security | Blue Light Phone | |
| Technology | Cabling | Cable - Data | |
| Technology | Safety and Security | Security Video Camera | IP, analog, interior, exterior, PTZ |
| Technology | Data communications | Chromebook | Non windows laptop |
| Technology | Distributed AV | Clock - Controls | Headend equipment, repeaters, |

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| Technology | Distributed AV | Clock - Synchronized | Clocks with network sync (IP, primex) |
| Technology | Communications Pathways | Conduit | Plastic or metal pipe for running cabling |
| Technology | Fire Alarm | CO Detector | |
| Technology | Data communications | Copier | |
| Technology | Safety and Security | Card reader | Access control credential reader |
| Technology | Communications Pathways | Cable Tray | Open, enclosed, basket - tray for running cabling |
| Technology | Integrated AV | Document Camera | desktop document cameras typically tied into video display within the room |
| Technology | Safety and Security | Door contact | |
| Technology | Safety and Security | Door entry Intercom | Located at entry door, allows visitors to ring into the building and interior station to release door |
| Technology | Safety and Security | Door holder/release | releases doors to close in the event of a fire to slow the spread |
| Technology | Distributed AV | Digital Signage | TV/monitor with an IP source device (PC, streaming device, apple TV, roku) |
| Technology | Safety and Security | Electric Lock release | Door strike, Electric latch retraction, mag lock. released from access control system |
| Technology | Fire Alarm | Fire Alarm Control Panel | Fire alarm control panel - main fire alarm panel |
| Technology | Fire Alarm | Fire Alarm Detector | smoke, heat detector, duct smoke detector |
| Technology | Cabling | Fiber | Optical fiber for data transport |
| Technology | Data communications | Fax Machine | |
| Technology | Cabling | Fiber Patch Panel | |
| Technology | Data communications | Firewall | Network security device |
| Technology | Integrated AV | Interactive display | TV or smart board that allows human interaction with pen, computer, or gestures |
| Technology | Safety and Security | Lockdown button | Activation button for a lockdown, can be under desk, in hallways, principal's office |
| Technology | Data communications | Laptop | NOT Chromebook or tablet - Windows or Mac laptop |
| Technology | Safety and Security | Motion detector | |
| Technology | Data communications | Multi-Function Device | |

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| Technology | Clinical Systems | Nurse Call | Pull string, bed monitor, light/sounder, nurse station display |
| Technology | Data communications | Network Fiber Switch | An optical switch is a device that selectively switches optical signals from one channel to another. |
| Technology | Cabling | Network Rack | |
| Technology | Data communications | Network Switch | connects devices on a computer network by using packet switching to receive and forward data to the destination device |
| Technology | Clinical Systems | Operating Room AV | |
| Technology | Distributed AV | PA headend | main pa controller, older analog units are large dedicated racks, newer units are typically rack mounted |
| Technology | Voice communications | Phone - Analog | Analog POTS line connected phone |
| Technology | Distributed AV | PA Speaker | PA speaker or call switch |
| Technology | Data communications | Desktop - PC | |
| Technology | Clinical Systems | Patient Entertainment System | |
| Technology | Voice communications | Phone - Headend | Phone system equipment |
| Technology | Data communications | POE Injector | Power over ethernet inline - allows POE power to be sent to a device without use of POE switch |
| Technology | Voice communications | Phone - IP | Network connected phone |
| Technology | Clinical Systems | Patient Monitoring | |
| Technology | Data communications | Printer | |
| Technology | Integrated AV | Projector | |
| Technology | Integrated AV | Projection Screen | Pull down, fixed or motorized projector screen |
| Technology | Data communications | Print server | Allows a printer to be connected to the network |
| Technology | Safety and Security | Request to Exit - REX | request to exit, motion or push button, tied to access control system |
| Technology | Data communications | Router | |
| Technology | Data communications | Scoreboard | interior or exterior scoreboard |

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| Technology | Fire Alarm | Smoke Detector | |
| Technology | Integrated AV | Smartboard | |
| Technology | Fire Alarm | Sprinkler flow | monitor for the sprinkler system, triggers fire alarm when water flows through the pipes for a predetermined amount of time |
| Technology | Cabling | Service provider hardware | incoming service provider, fiber, coax, telco, DMARC, POTS |
| Technology | Fire Alarm | Sprinkler tamper | monitor for the water shut off associated with the sprinkler system, alerts the system when water is shut off |
| Technology | Data communications | Server | Data storage server |
| Technology | Safety and Security | Security system | Intrusion Detection |
| Technology | Data communications | Tablet | |
| Technology | | Technology - General | General tech equipment that does not have a specific asset type |
| Technology | Integrated AV | Television | Non interactive display. Standalone |
| Technology | Safety and Security | Video Management System | |
| Technology | Data communications | Wireless Access Point | |
| Transportation and Grounds | Vehicle Maintenance Equipment | Lift - Vehicle | Vehicle lift, usually located in bus garage |
| Transportation and Grounds | Grounds Equipment | Lawn Mower | |
| Transportation and Grounds | Grounds Equipment | Plow | snow plow attachment for a truck or utility vehicle |
| Transportation and Grounds | Grounds Equipment | Salter | Can be attached to truck or utility vehicle, or push salter |
| Transportation and Grounds | Vehicle | Striping Machine | Used for applying paint marking to sports fields |
| Transportation and Grounds | Vehicle Maintenance Equipment | Tire Balancer | unit to spin wheel and tires to make sure they are balanced |
| Transportation and Grounds | | Transportation & Grounds - General | |
| Transportation and Grounds | Vehicle Maintenance Equipment | Tool Cart | |
| Transportation and Grounds | Vehicle Maintenance Equipment | Tool | General tool |
| Transportation and Grounds | Grounds Equipment | Tractor | |
| Transportation and Grounds | Vehicle Maintenance Equipment | Welder | Uses gas, electric, and or heat to fuse metal |
| Transportation and Grounds | Grounds Equipment | Weed Whacker | lawn maintenance equipment |

Physical Attribute Categories Currently Tracked

- Building
- Space (where room is located)
- Make
- Model
- Serial
- Area Served
- Life Safety (Y/N)
- Owned by Vendor (Y/N)
- External ID
- BMS name – existing tag
- FCI
- Risk
- Priority
- Fail Impact
- ASHRAE rating

Budget Attribute Categories Currently Tracked

- Vendor / Service Company
- Purchase Order
- Purchase Date
- Installation Date
- Est. Replacement Date
- Warranty Information
- Warranty Parts
- Warranty Labor & Parts
- Asset Cost
- Depreciated Value
- Salvage Value
- Useful Life

Technical Attribute Categories Currently Tracked

- Dimensions
- BTU/Ton
- Refrigerant type
- CFM (airflow)
- Fuel
- Controls

- GPM/H
- Capacity (volume)
- Distribution panel name
- Circuit/Breaker #
- Voltage (current)
- Amperage (power)
- Phase
- Energy Star rated
- Connected device
- Panel schedule up to date
- HP – Horsepower
- RPM
- Filter size
- Filter quantity
- Belt(s)
- Battery
- PM Schedule
- Inspection Schedule
- O & M PDF link
- Analog or Digital
- Analog phone line
- IP address
- MAC address
- POE
- Switch/port
- Cable ID
- Resolution
- Screen size
- Address COM
- Keys inside
- Chemical type
- Number of strands

