

NOTES:

GENERAL NOTES:

- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, APPROVALS, LICENSES, ETC., AS NEEDED FOR THE COMPLETE INSTALLATION. THE CONTRACTOR SHALL COORDINATE ALL PROJECT FEES AND DATA NEEDED WITH OWNER.
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS (NEW AND EXISTING), DIMENSIONS, AND CLEARANCES PRIOR TO THE COMMENCEMENT OF THE WORK AND SHALL INCLUDE ALL COSTS, EQUIPMENT, MATERIAL, ACCESSORIES, ETC. REQUIRED FOR A FULLY COMPLETE, FUNCTIONAL AND CODE COMPLIANT INSTALLATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP AN UP TO DATE SET OF 'RECORD DRAWINGS' SHOWING ALL CHANGES FROM THE ORIGINAL PLANS AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL DELIVER THE 'RECORD DRAWINGS' TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT ELECTRONICALLY.
- FINAL LOCATIONS OF ALL DEVICES, LIGHT FIXTURES, EQUIPMENT, ETC., SHALL BE INDICATED ON THE ARCHITECTURAL DRAWINGS. ALL DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM ARCHITECTURAL PLANS. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED FROM MEP DRAWINGS.
- SOME ROOM NAMES MY NOT BE SHOWN FOR CLARIFYING PURPOSES. REFER TO ARCHITECTURAL PLANS FOR REFERENCE TO ROOM NAMES NOT SHOWN.

COORDINATION NOTES:

- COORDINATE REQUIREMENTS FOR EQUIPMENT AND INSTALLATION OF SYSTEMS WITH ALL OTHER TRADES.
- THE CONTRACTOR SHALL COORDINATE ROUTING AND PATH OF ALL SYSTEMS, SUCH AS CONDUITS, PIPES, DUCTS, ETC. WITH THE POSITION AND LAYOUT OF STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ANY NECESSARY OFFSETS, TURNS, RISES AND DROPS FOR SYSTEMS AND COMPONENTS AS NEEDED TO INSTALL THE MEP SYSTEMS TO CLEAR STRUCTURE, CEILINGS, ETC. AND OTHER SYSTEMS IN POTENTIAL CONFLICT WITH ROUTING.
- CHECK SPACE REQUIREMENTS WITH ALL OTHER TRADES AND CONSTRUCTION/STRUCTURE TO ENSURE THAT ALL EQUIPMENT AND MATERIALS CAN BE INSTALLED IN THE SPACE ALLOTTED, INCLUDING FINISHED SUSPENDED CEILINGS AND OTHER SPACES, CHASES, SOFFITS, ETC. WITHIN THE BUILDING. MAKE MODIFICATIONS AS REQUIRED WITH APPROVAL OF ENGINEER OF RECORD.
- COORDINATE WORK WITH ALL OTHER TRADES TO INSTALL SYSTEMS ABOVE CEILING HEIGHTS INDICATED ON ARCHITECTURAL PLANS.
- WHEREVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO ENSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.
- COORDINATE PROJECT AND SCHEDULE WORK WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE. PROVIDE ALL NECESSARY PLANS WITH ALL OTHER TRADES, AND ALLOW AMPLE TIME FOR INSTALLATION OF ANY AND ALL WORK AND/OR REVISIONS MADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPAIR OF SURFACES, AREAS, AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- DRAWINGS SHOW THE GENERAL RUNS OF CONDUITS, PIPING AND DUCTWORK AND APPROXIMATE LOCATION OF RECEPTACLES. ANY SIGNIFICANT CHANGES IN LOCATION OF ITEMS NECESSARY IN ORDER TO MEET FILED CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND RECEIVE HIS APPROVAL BEFORE SUCH ALTERATIONS ARE MADE. ALL SUCH MODIFICATIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- ADJUST LOCATION OF PIPING, DUCTWORK, CONDUIT, ETC. TO PREVENT INTERFERENCES, BOTH ANTICIPATED AND ENCOUNTERED. DETERMINE THE EXACT ROUTE AND LOCATION OF EACH ITEM PRIOR TO FABRICATION. MAKE OFFSETS, TRANSITIONS, AND CHANGES IN DIRECTION IN SYSTEMS AS REQUIRED TO MAINTAIN ADEQUATE CLEARANCES AND HEADROOM. FINAL DUCT SYSTEM SHALL NOT EXCEED STATIC PRESSURE INDICATED IN SCHEDULE.
- COORDINATE WITH LOCAL UTILITY PROVIDERS FOR THEIR REQUIREMENTS FOR SERVICE CONNECTIONS AND PROVIDE ALL NECESSARY PAYMENTS, MATERIALS, LABOR, AND TESTING TO ACCOMPLISH THE WORK.
- WHEREVER THE WORK IS OF SUFFICIENT COMPLEXITY, PREPARE ADDITIONAL COORDINATION DRAWINGS AND ORGANIZE ON-SITE MEETINGS WITH ALL RELATED SUBCONTRACTORS TO COORDINATE THE WORK BETWEEN TRADES. DRAWINGS SHALL CLEARLY SHOW THE WORK AND ITS RELATION OF THE WORK OF OTHER TRADES, AND BE SUBMITTED FOR REVIEW PRIOR TO COMMENCING SHOP FABRICATION OR ERECTION IN THE FIELD.

GENERAL MECHANICAL NOTES:

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NOTED (MEP CODE INDEX ON THIS SHEET) VERSION OF THE MECHANICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- ANY POWER FOR CONTROL SYSTEMS TO BE PROVIDED BY ELECTRICAL CONTRACTOR IS INDICATED ON ELECTRICAL PLANS. ANY ADDITIONAL LINE VOLTAGE OR LOW VOLTAGE POWER REQUIRED BY THE MECHANICAL CONTRACTOR OR SUBCONTRACTORS TO HAVE A FULLY FUNCTIONING SYSTEM SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR CONTRACTOR OR SUBS.
- ALL EQUIPMENT AND ACCESSORIES INSTALLED IN CONCEALED SPACES REQUIRING ACCESS SHALL BE PROVIDED WITH ACCESS DOORS MEETING ALL FIRE REQUIREMENTS OF THE WALL/CEILING THEY ARE INSTALLED WITHIN.
- ALL EQUIPMENT SHALL BE ADEQUATELY AND PROPERLY SUPPORTED AND FASTENED VIA STRUCTURE.
- START UP AND ADJUST ALL EQUIPMENT AND VERIFY ALL MECHANICAL SYSTEMS AND OPERATE IN ACCORDANCE WITH THEIR INTENDED PURPOSES. SUBMIT BALANCE AND START UP REPORTS TO THE ENGINEER OF RECORD. REFER TO SPECIFICATIONS FOR ANY ADDITIONAL REQUIREMENTS.
- EACH AIR HANDLING UNIT OVER 2000 CFM SHALL BE PROVIDED WITH A SMOKE DETECTOR TO SHUT DOWN THE UNIT PER IMC 606 AS REQUIRED BY AHJ. COORDINATE WITH ALL OTHER TRADES.

GENERAL PLUMBING NOTES:

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NOTED (MEP CODE INDEX ON THIS SHEET) VERSION OF THE PLUMBING CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF AHJ.
- NO PIPING SHALL BE INSTALLED WHERE IT WILL BE SUBJECT TO FREEZING TEMPERATURES. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED ON THE WARM SIDE OF BUILDING INSULATION, INSULATED, AND THE CHASE SHALL BE VENTILATED WITH GRILLES ALLOWING INDOOR AMBIENT CONDITIONS TO CIRCULATE THROUGH THE CHASE.
- PROVIDE CLEANOUTS IN THE FOLLOWING LOCATIONS:
 - IN BUILDING SEWERS LOCATED NO MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANOUT.
 - EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN OR HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANOUT SHALL BE REQUIRED FOR EACH 40 FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING.
 - IN ALL HORIZONTAL DRAINS (WITHIN THE BUILDING) NOT MORE THAN 100 FEET APART.
 - NEAR THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER.
 - AT THE BASE OF EACH WASTE OR SOIL STACK.

GENERAL ELECTRICAL NOTES:

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NOTED (MEP CODE INDEX ON THIS SHEET) VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENT OF THE AHJ.
- COORDINATE LOCATIONS OF SWITCHES, RECEPTACLES, DATA, ALARMS, ETC. WITH ARCHITECTURAL CASEWORK AND ELEVATIONS.
- REFER TO MOUNTING HEIGHTS DETAIL FOR ALL DEVICES WITHOUT HEIGHTS INDICATED ON PLAN.
- CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES WHERE REASONABLY POSSIBLE.
- PROVIDE ALL EMPTY CONDUITS WITH BUSHED ENDS AND PULL STRINGS.

FIRE SEALING NOTES:

- COORDINATE CONSTRUCTION OF OPENINGS AND PENETRATING ITEMS TO ENSURE THAT THROUGH-PENETRATION FIRESTOP SYSTEMS ARE INSTALLED ACCORDING TO SPECIFIED AND APPLICABLE U.L. REQUIREMENTS.
- COORDINATE SIZING OF SLEEVES, OPENINGS, CORE-DRILLED HOLES, OR CUT OPENINGS TO ACCOMMODATE THROUGH-PENETRATION FIRESTOP SYSTEMS.
- IF REQUIRED BY AHJ, DO NOT COVER UP THROUGH-PENETRATION FIRESTOP SYSTEM INSTALLATIONS UNTIL EXAMINED BY INSPECTOR.
- PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS THAT ARE COMPATIBLE WITH:
 - ONE ANOTHER
 - WITH SUBSTRATES FORMING OPENINGS
 - FIRESTOP MANUFACTURER RECOMMENDATIONS
- PROVIDE COMPONENTS FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM THAT ARE NEEDED TO INSTALL FILL MATERIALS. USE ONLY COMPONENTS SPECIFIED BY THROUGH-PENETRATION FIRESTOP SYSTEM MANUFACTURER AND APPROVED BY QUALIFIED TESTING AND INSPECTING AGENCY FOR FIRESTOP SYSTEMS INDICATED.
- PROVIDE SLEEVES THROUGH ALL FIRE RATED WALLS AND FILL VOIDS SURROUNDING SLEEVES AND INTERIOR TO SLEEVES AROUND PIPING WITH FIRESTOP PUTTY WITH U.L. LISTED 3 HOUR RATING. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- PROVIDE FIRE RATED ENCLOSURES OR WRAPS ON LIGHT FIXTURES AND OTHER ITEMS PENETRATING FIRE RATED CEILINGS, FLOOR/CEILING/, CEILING/ROOF, ASSEMBLIES TO MAINTAIN U.L. LISTING FOR CONSTRUCTION.
- FIRE SEAL ALL CONDUIT, CABLE, PIPING, DUCTWORK, ETC. PENETRATIONS ROUTED THOUGH FIRE RATED WALLS.

SYMBOL & ABBREVIATIONS LIST

SYMBOL	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
	SUPPLY AIR DOWN	A	AMPERES
	SUPPLY AIR UP & THRU	AFF	ABOVE FINISHED FLOOR
	RETURN AIR DOWN	AFG	ABOVE FINISHED GRADE
	RETURN AIR UP & THRU	C	CONDUIT
	EXHAUST AIR DOWN	CB	CIRCUIT BREAKER
	EXHAUST AIR UP & THRU	CO	CLEANOUT
	OUTSIDE AIR DOWN	CT	MOUNTED 6" ABOVE COUNTER TOP
	OUTSIDE AIR UP & THRU	DCW	DOMESTIC COLD WATER
	MANUAL DAMPER	DHW	DOMESTIC HOT WATER
	MITERED ELBOW WITH TURNING VANES	DN	DOWN
	RADIUSED ELBOW	EX	EXISTING
	CONNECT/REMOVE TO EXISTING	EA	EXHAUST AIR
	THERMOSTAT (INSTALL AT 48" AFF. U.O.N.)	EC	ELECTRICAL CONTRACTOR
	HUMIDISTAT	EC	INDICATES DEVICE ON EMERGENCY CIRCUIT OR WITH AN EMERGENCY BATTERY
	MOTORIZED DAMPER ACTUATOR	FCO	FLOOR CLEANOUT
	EQUIPMENT / PLUMBING FIXTURE TAG	FLA	FULL LOAD AMPS
	KEYED NOTE	FPC	FIRE PROTECTION CONTRACTOR
	DIRECTION OF AIRFLOW	GC	GENERAL CONTRACTOR
	BACKDRAFT DAMPER	GCO	GRADE CLEANOUT
	CONTROL DAMPER	GFI / GFCI	GROUND FAULT INTERRUPTER
	FIRE/SMOKE DAMPER	G	GROUND
	FIRE DAMPER	HWC	DOMESTIC HOT WATER CIRCULATING
	MECHANICAL EQUIPMENT INSTALLED BY MC	MC	MECHANICAL CONTRACTOR
	MECHANICAL EQUIPMENT INSTALLED BY MC & LOCATED ON ROOF	MCA	MINIMUM CIRCUIT AMPACITY
	GRD TAG	MOCP	MINIMUM OVERCURRENT PROTECTION
	REVISION TAG	NC	NORMALLY CLOSED
	ROUND FLOOR DRAIN	NL	NIGHT LIGHT
	SQUARE FLOOR DRAIN / FLOOR SINK	NO	NORMALLY OPEN
	FLOOR CLEANOUT	NTS	NOT TO SCALE
	WALL / END CLEANOUT	OA	OUTSIDE AIR
	SHUT-OFF VALVE	PRV	PRESSURE RELIEF VALVE/REDUCING VALVE
	SOLENOID VALVE	RA	RETURN AIR
	2 WAY CONTROL VALVE	SA	SUPPLY AIR
	3 WAY CONTROL VALVE	SPD	SURGE PROTECTIVE DEVICE
	PRESSURE REDUCING VALVE	TCC	TEMPERATURE CONTROLS CONTRACTOR
	CHECK VALVE	TP	TAMPER PROOF OUTLET COVERS
	CIRCUIT SETTER	TR	TAMPER RESISTANT DEVICE
	STRAINER	TYP	TYPICAL
	UNION	UCT	MOUNTED UNDER COUNTER TOP
	FLOW DIRECTION ARROW	UON	UNLESS OTHERWISE NOTED
	PIPE BREAK	V	VENT THRU ROOF
	PIPE CAP	WCO	WALL CLEANOUT
	PIPE REDUCER	WP	WEATHER PROOF
	SMOKE DAMPER	WPI	WP IN SERVICE (WITH PLUG IN SERVICE)
	PLUMBING FIXTURE INSTALLED BY PC	WR	WEATHER RESISTANT TYPE DEVICE

LINETYPE KEY

	WORK TO BE DONE		VENT
	DOMESTIC COLD WATER		CONDENSATE DRAIN
	DOMESTIC HOT WATER		NATURAL GAS
	DOMESTIC HOT WATER CIRCULATING		SANITARY SEWER / WASTE
	COMPRESSED AIR		GREASE WASTE

ELECTRICAL SYMBOL LIST

ABBR.	DESCRIPTION	MOUNTING OR AS INDICATED
	LIGHT FIXTURE WITH LETTER DESIGNATION	SURFACE OR RECESSED
EM	LIGHT FIXTURE WITH EMERGENCY POWER WITH LETTER DESIGNATION	SURFACE OR RECESSED
	LIGHT FIXTURE WITH LETTER DESIGNATION	WALL
EM	LIGHT FIXTURE WITH EMERGENCY POWER WITH LETTER DESIGNATION	WALL
	EXIT LIGHT WITH LETTER DESIG. (SHADE INDICATES FACE DIRECTION)	CEILING
	EXIT LIGHT WITH LETTER DESIG. (SHADE INDICATES FACE DIRECTION)	WALL - (SEE PLAN FOR HEIGHT)
	EMERGENCY LIGHT FIXTURE WITH LETTER DESIGNATION	WALL - 12" BFC
	POLE MOUNTED LIGHT FIXTURE WITH LETTER DESIGNATION	POLE
	FLUORESCENT LIGHT FIXTURE WITH LETTER DESIGNATION	SURFACE OR RECESSED
	FLUORESCENT LIGHT FIXTURE W/ EM POWER W/ LETTER DESIGNATION	SURFACE OR RECESSED
	LIGHT FIXTURE WITH LETTER DESIGNATION	WALL, SURFACE, OR SUSPENDED
	LIGHT FIXTURE WITH EMERGENCY POWER WITH LETTER DESIGNATION	WALL, SURFACE, OR SUSPENDED
	SINGLE RECEPTACLE (SAME RATING AS CIRCUIT)	WALL - 18" AFF
	ISOLATED GROUND DUPLEX RECEPTACLE	WALL - 18" AFF
	DUPLEX RECEPTACLE (20 AMP)	WALL - 18" AFF
	TAMPER-RESISTANT DUPLEX RECEPTACLE (20 AMP)	WALL - 18" AFF
	QUAD-PLEX RECEPTACLE	WALL - 18" AFF
	SWITCHED DUPLEX RECEPTACLE	WALL - 18" AFF
	GFI DUPLEX RECEPTACLE (20 AMP)	WALL - 18" AFF
	EXTERIOR WATER PROOF GFI DUPLEX RECEPTACLE (20 AMP)	WALL - 18" AFF
	GFI QUAD RECEPTACLE	WALL - 18" AFF
	FLOOR BOX RECEPTACLE	WALL - 18" AFF
	CEILING RECEPTACLE	WALL - 18" AFF
	SPECIAL OUTLET (SEE SCHEDULE)	WALL, FLOOR
	TELEPHONE OUTLET	WALL, FLOOR
	DATA OUTLET	WALL - 18" AFF
	COMBINATION DATA AND DATA OUTLET	WALL - 18" AFF
	WIRELESS ACCESS POINT	CEILING
	CLOCK OUTLET	WALL
	CABLE T.V. OUTLET	AS NOTED
	CONTROLLER	WALL - 48" AFF
	THERMOSTAT	48" AFF (SEE MECH. DWGS.)
	JUNCTION BOX	AS NOTED
	SINGLE POLE SWITCH	WALL - 44" AFF
	THREE-WAY SWITCH	WALL - 44" AFF
	FOUR-WAY SWITCH	WALL - 44" AFF
	SWITCH WITH PILOT LIGHT	WALL - 44" AFF
	KEY SWITCH	WALL - 44" AFF
	TIME SWITCH (SET FOR 30 MIN.)	WALL - 44" AFF
	HORSE POWER RATED TOGGLE SWITCH	-
	DIMMER SWITCH	WALL - 44" AFF
	SWITCHING SCHEME	-
	DUAL TECHNOLOGY MOTION DETECTOR (TYPE #)	WALL - 44" AFF
	DUAL TECHNOLOGY SENSOR (TYPE #)	CEILING
	DAYLIGHT SENSOR	CEILING
	PULL BOX	WALL - 48" AFF
	SAFETY SWITCH (NON-FUSED)	6'-0" AFF TO TOP
	SAFETY SWITCH (FUSED)	6'-0" AFF TO TOP
	TOGGLE DISCONNECT SWITCH	WALL
	STARTER	WALL
	EMERGENCY STOP-MUSHROOM HEAD MAINTAINED PUSH BUTTON	44" AFF OR AFG
	MOTOR	AS NOTED
	ELECTRICAL PANELBOARD (SURFACE MTD.)	48" AFF TO CENTER
	ELECTRICAL PANELBOARD (FLUSH MTD.)	48" AFF TO CENTER
	TELEPHONE TERMINAL BOARD (SURFACE MTD.)	NOTE 4

FIRE ALARM			
	FIRE ALARM REMOTE ANNUNCIATOR		HEAT DETECTOR
	FIRE ALARM CONTROL PANEL		MAGNETIC HOLD OPEN
	FIRE ALARM RELEASE PANEL		DUCT MOUNTED SMOKE DETECTOR
	HORN/STROBE		FIRE ALARM TEST SWITCH
	STROBE		RELAY
	MANUAL PULL STATION		TAMPER SWITCH
	SMOKE DETECTOR		FLOW SWITCH

SYMBOLS LIST NOTES:

- SOME SYMBOLS MAY NOT BE USED IN THIS SET OF PLANS.
- ABBREVIATIONS MAY BE WITH OR WITHOUT PERIODS.
- ALL MOUNTING TYPES APPLY UNLESS OTHERWISE NOTED.
- TELEPHONE TERMINAL BOARD SHALL BE MINIMUM VOID FREE, A/C 3/4" PLYWOOD WITH A FACE SHOWING, KILN DRIED WITH MAXIMUM 15% MOISTURE CONTENT, SECURELY ATTACHED TO WALL FRAMING MEMBERS, WITH FIRE RETARDANT COATING, OR INTUMESCENT WHITE COVER WALL WITH TTB PLYWOOD FROM FLOOR TO 8' AFF.
- LIGHT FIXTURE CAPITAL LETTER DESIGNATIONS KEY TO MATCHING ENTRIES IN THE LIGHTING FIXTURE SCHEDULE.
- LIGHT FIXTURE SMALL CASE LETTER DESIGNATIONS (IF SHOWN) REPRESENT SWITCHING REQUIREMENTS.
- ALL MOUNTING HEIGHTS SHALL BE TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTES.

MEP DRAWING INDEX

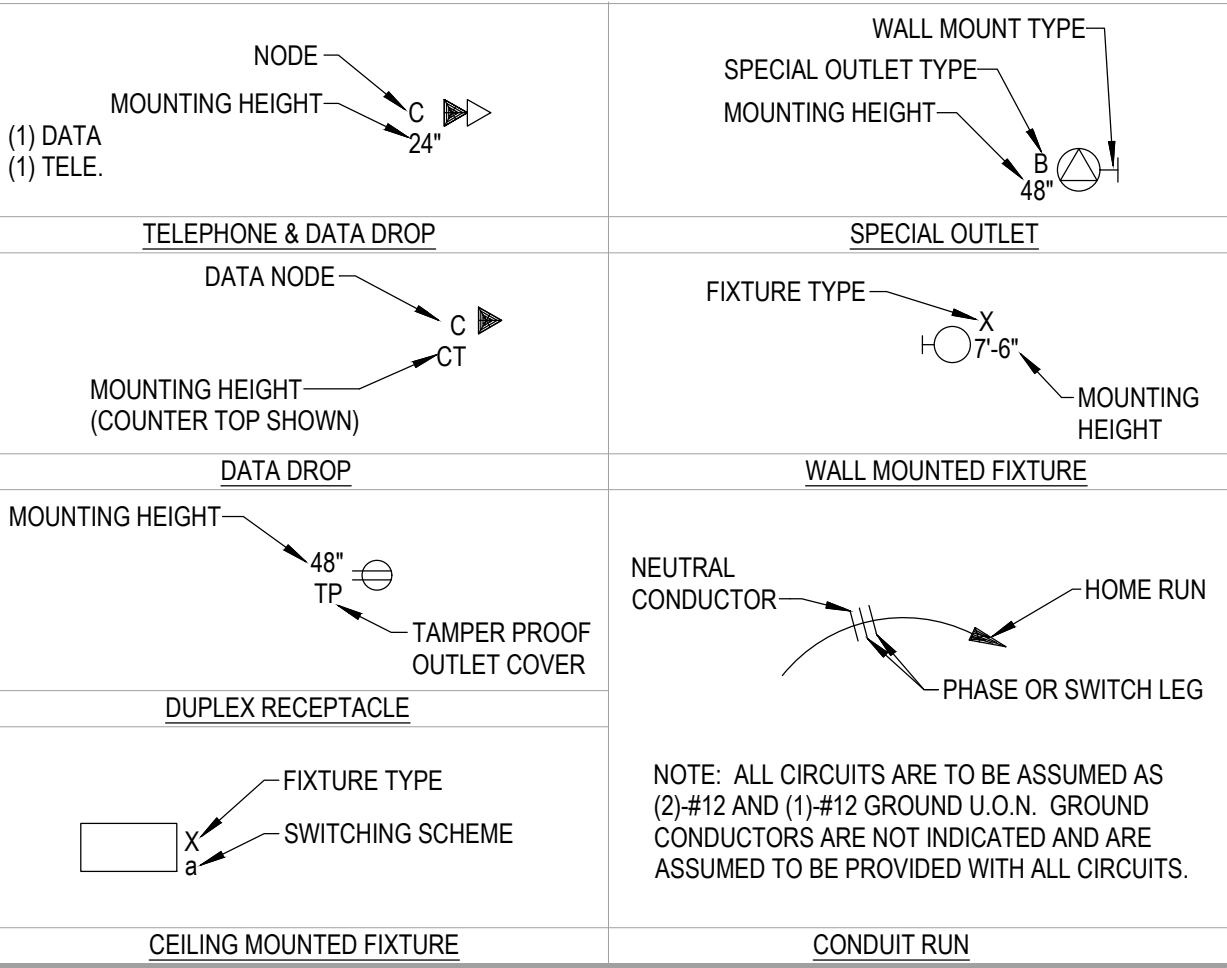
MEP0.1 MEP COVER SHEET
MEP0.1 MEP SPECIFICATIONS

M0.1 HVAC DEMOLITION PLAN
M1.1 HVAC IMPROVEMENT PLAN
M2.1 MECHANICAL DETAILS
M3.1 MECHANICAL SCHEDULES

P0.1 PLUMBING DEMOLITION PLAN
P1.1 WASTE AND VENT IMPROVEMENT PLAN
P2.1 WATER AND GAS IMPROVEMENT PLAN
P3.1 PLUMBING ISOMETRICS PLANS
P4.1 PLUMBING DETAILS
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E0.1 ELECTRICAL DEMOLITION PLAN
E1.1 IMPROVEMENT POWER PLAN
E1.2 ENLARGED KITCHEN POWER PLAN
E2.1 IMPROVEMENT LIGHTING PLAN
E3.1 ELECTRICAL LOW VOLTAGE & FIRE ALARM PLAN
E4.1 ELECTRICAL DETAILS
E5.1 ELECTRICAL SCHEDULES

CIRCUITING LEGEND



BRANCH VOLT DROP

FOR COPPER SINGLE PHASE 3% VOLTAGE DROP, 20A CIRCUIT BREAKER			
MAXIMUM DISTANCE		PHASE & NEUTRAL SIZE	EQUIPMENT GROUND SIZE
120V	208V		
100'	150'	#12	#12
175'	225'	#10	#10
275'	400'	#8	#8
475'	650'	#6	#6

VOLTAGE DROP TABLE NOTES

- THE DISTANCE GIVEN IS THE MAXIMUM (PANEL TO LOAD) FOR THE LONGEST RUN FOR ANY BRANCH.
- THE DISTANCES ARE FOR THE ENTIRE RUN IN THE GIVEN WIRE SIZE.
- OTHER NEC DERATING FACTORS ARE NOT INCLUDED IN THE WIRE SIZES IN THIS TABLE.
- WIRE REDUCTIONS (WHERE REQUIRED BY DEVICE CONSTRUCTION) SHALL BE MADE WITHIN 3 FEET OF THE SOURCE OR LOAD, AND SHALL BE ONLY DOWN TO THE LARGEST WIRE SIZE THE DEVICE ALLOWS.

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MEP CODE INDEX

2024 INTERNATIONAL BUILDING CODE
2021 ARKANSAS STATE MECHANICAL CODE
2018 ARKANSAS STATE PLUMBING CODE
2020 NATIONAL ELECTRICAL CODE
2014 ARKANSAS ENERGY CODE (2009 IECC)