

GENERAL NOTES

- GENERAL CONTRACTOR TO PROVIDE ALL ROOF PENETRATIONS REQUIRED TO ACCOMMODATE HVAC EQUIPMENT OPENINGS AND SET CURBS. HVAC CONTRACTOR TO COORDINATE EXACT LOCATION OF PENETRATIONS WITH G.C. AND SHALL ASSIST WITH SETTING ALL HVAC EQUIPMENT ROOF CURBS. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CAP OF ALL ROOF PENETRATIONS IN WINTER FROM TIME PENETRATIONS ARE COMPLETE TO TIME EQUIPMENT IS SET ON ROOF CURBS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING ALL EQUIPMENT CURBS AND OTHER HVAC RELATED ROOF PENETRATIONS. HVAC CONTRACTOR SHALL REMOVE AND DISPOSE OF TEMPORARY CAP WHEN EQUIPMENT IS SET IN PLACE.
- PROVIDE 45 DEGREE SHOE-TAP FITTING AND VOLUME DAMPER AT ALL BRANCH DUCT TAKE-OFFS (TOP, SIDE AND BOTTOM) FOR EXHAUST AIR, UNLESS SHOWN OR NOTED OTHERWISE.
- COORDINATE HVAC INSTALLATION WITH STRUCTURE, CEILING, LIGHTING, CONDUIT, HEATING AND DOMESTIC PIPING, STORM AND SANITARY DRAIN PIPING (ALL TRADES). PREPARE AND SUBMIT FULL COORDINATION DRAWINGS FOR APPROVAL BY ENGINEER PRIOR TO ORDERING MATERIALS AND/OR BEGINNING CONSTRUCTION.
- ALL 90 DEGREE RECTANGULAR ELBOWS AND DUCTWORK TEES SHALL BE HARD MITERED WITH FACTORY TURNING VANES.
- ALL DUCTWORK PASSING THROUGH NON-FIRE RATED WALLS TO BE SEALED AROUND PERIMETER (BOTH SIDES) WITH DRYWALL JOINT COMPOUND OR APPROVED EQUAL.
- ALL SUPPORT OF EQUIPMENT, DUCTWORK AND ASSOCIATED DISTRIBUTION SERVICES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE BUILDING CODE OF NEW YORK STATE.
- WORK INDICATED ON THIS SHEET SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR (MC) UNLESS OTHERWISE NOTED.
- COORDINATE ALL WORK WITH ELECTRICAL CONTRACTOR (EC).
- COORDINATE ALL WORK WITH GENERAL CONTRACTOR (GC); FLASHING AT EXTERIOR WALL SHALL BE BY GENERAL CONTRACTOR. MC SHALL PROVIDE VARIABLE SPEED CONTROLLER IN BOX NEAR FAN, WITH RACEWAY AND CONDUCTORS FROM EXHAUST FAN TO SUCH CONTROLLER.
- ALL CONDUIT AND WIRING SHALL CONFORM TO THE ELECTRICAL SPECIFICATIONS AND CONTRACT DRAWINGS UNLESS OTHERWISE NOTED. THE CONDUIT AND WIRING FROM THE ELECTRIC PANEL UP TO BUT NOT INCLUDING THE SPEED CONTROLLER SHALL BE BY THE ELECTRICAL CONTRACTOR. THE SPEED CONTROLLER AND ALL CONDUIT AND WIRING BETWEEN THE CONTROLLER COMPONENTS AND THE UNIT SHALL BE BY THE MECHANICAL CONTRACTOR AND SHALL CONFORM TO THE ELECTRICAL SPECIFICATIONS AND CONTRACT DRAWINGS.
- EC SHALL PROVIDE DISCONNECTS, OCCUPANCY SENSORS AND ALL CONDUCTORS, RACEWAY AND BOXES TO EXHAUST FANS. EC SHALL CONNECT MC'S VARIABLE SPEED CONTROLLER TO DISCONNECT (BY EC), WALL OCCUPANCY SENSOR (BY EC) AND POWER FEED (BY EC) AND PROVIDE REQUIRED RACEWAY AND CONDUCTORS. COORDINATION NOTE: EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR. POWER CONNECTION AND OCCUPANCY CONTROLS, CONDUCTORS, RACEWAY BY ELECTRICAL CONTRACTOR.
- GENERAL CONTRACTOR SHALL PROVIDE ALL PLATE PROTECTION FOR CONCEALED ELECTRICAL CONDUCTORS AND PLUMBING LINES AT ALL PLATES AND STUDS AS REQUIRED.
- DO NOT CUT THRU FRAMING UNLESS APPROVED BY DIRECTOR'S REPRESENTATIVE.
- ALL DUCTWORK/HVAC EQUIPMENT SHALL BE A MINIMUM OF 7'-6" ABOVE FINISHED FLOOR.

DRAWING SYMBOLS

- EXISTING DUCTWORK, PIPE, EQUIPMENT
 - NEW DUCTWORK, PIPE, EQUIPMENT
 - DUCTWORK, PIPE, EQUIPMENT TO BE REMOVED
 - KEYNOTE
 - RETURN AIR
 - SUPPLY AIR
 - DUCT (DIMENSIONS SHOWN IN DUCT, DIMENSIONS IN INCHES.)
 - DUCT (DIMENSIONS SHOWN BY LEADER, DIMENSIONS IN INCHES.)
 - INSULATED DUCT (DIM. IS INTERNAL)
 - MITERED ELBOW W/ TURNING VANES
 - EXHAUST GRILLE
 - REGISTER OR GRILLE - TOP NUMBER REPRESENTS TAG, SEE SCHEDULE; BOTTOM NUMBER REPRESENTS CFM, NUMBER UNDER TAG REPRESENTS DUCT CONNECTION SIZE
- NOTE:**
NOT ALL SYMBOLS, ABBREVIATIONS AND EQUIPMENT DESIGNATIONS MAY APPLY TO THIS PARTICULAR PROJECT. ANY ADDITIONS OR OMISSIONS FROM THIS LEGEND SHEET DOES NOT IMPLY INCLUSION AND/OR EXCLUSIONS OF ANY PARTICULAR ITEM FROM THIS PROJECT.

APPLICABLE CODES

- BUILDING CODE OF NEW YORK STATE
- ENERGY CODE OF NEW YORK STATE
- MECHANICAL CODE OF NEW YORK STATE
- FIRE CODE OF NEW YORK STATE
- PLUMBING CODE OF NEW YORK STATE
- ENERGY CONSERVATION CODE OF NEW YORK STATE
- ACCESSIBLE AND USABLE BUILDING AND FACILITIES-COBORG'S A117.1
- NATIONAL ELECTRIC CODE
- NATIONAL FIRE CODE NFPA 13

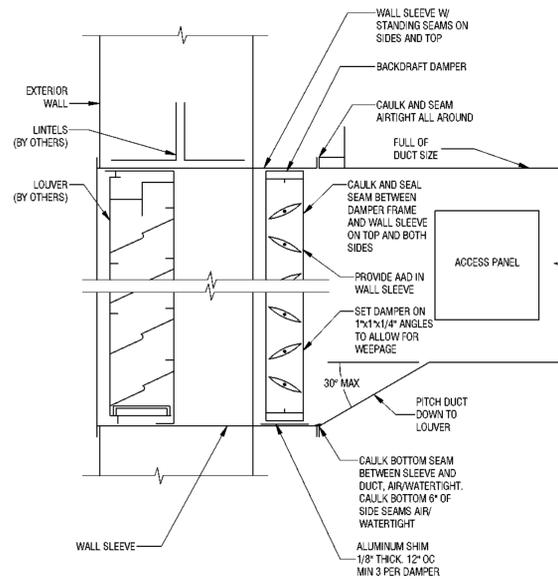
EXHAUST FAN SCHEDULE

UNIT	SERVICE	CFM	ESP (IN WG)	DRIVE TYPE	FAN TYPE	FAN RPM	MAX SOUNE LEVEL	MOTOR DATA			DESIGN BASIS	NOTES	
								RPM	VOLT	PH			
EF-1	BUILDING EXHAUST - BATHHOUSE 231	275	1.0	DIRECT	CENTRIFUGAL	1570	13	1550	115	1	1/6	LOREN COOK 120SDM17D	1,2,3
EF-2	BUILDING EXHAUST - BATHHOUSE 322	275	1.0	DIRECT	CENTRIFUGAL	1570	13	1550	115	1	1/6	LOREN COOK 120SDM17D	1,2,3

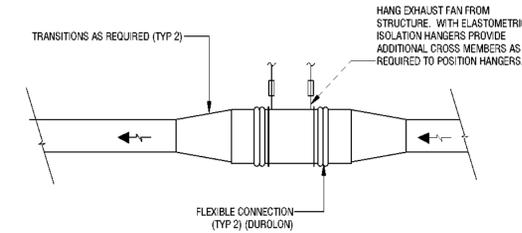
- NOTES:**
- PROVIDE WITH FACTORY MOUNTED DISCONNECT.
 - PROVIDE WITH FACTORY MOUNTED FAN SPEED CONTROLLER.
 - EXHAUST FAN SHALL BE CONTROLLED BY OCCUPANCY SENSOR (PROVIDED BY EC).

REGISTER, GRILLES, AND DIFFUSERS

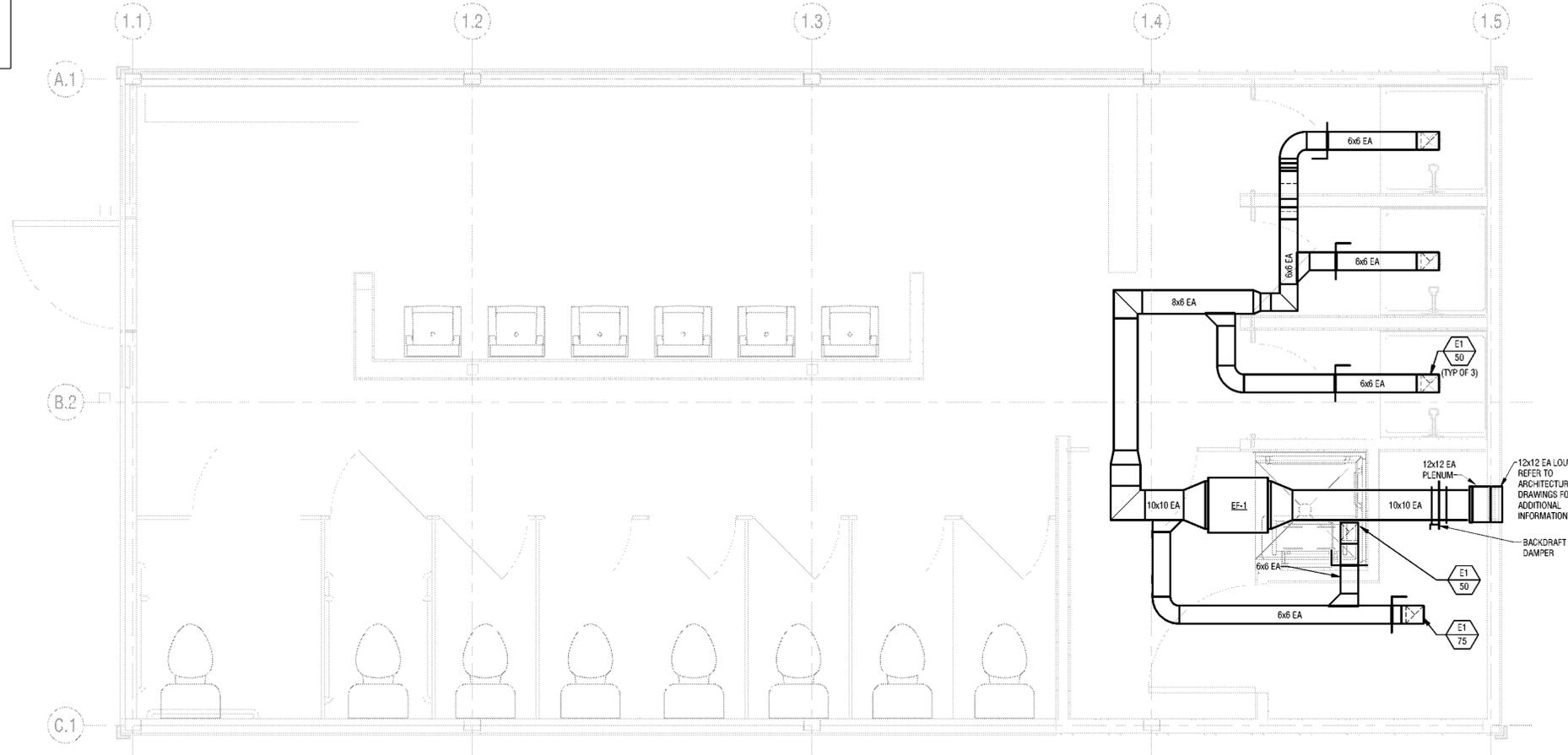
TYPE	SERVICE	DESCRIPTION	MAX NO.	DESIGN BASIS	NOTES
E1	EXHAUST	HEAVY DUTY GRILLE - 10x10 SIZE	25	TITUS 63FL	-



3 LOUVER DETAIL
M101 NONE



2 EXHAUST FAN DETAIL (IN-LINE)
M101 NONE



1 BATHHOUSE 231 AND 322 MECHANICAL PLAN
M101 1/2" = 1'-0"

Key Plan

REVISIONS

Rev No	Description	Date

Drawn By: NAF	Seal and Signature
Design By: NAF	
Checked By: JMD	
Approved By: JMD	
Date: 3/16/2023	

Sheet Title: CAMP JUNIOR MECHANICAL PLANS	Drawing Number: M101
Bid Documents	
Project Number: 2222163.05	Sheet: