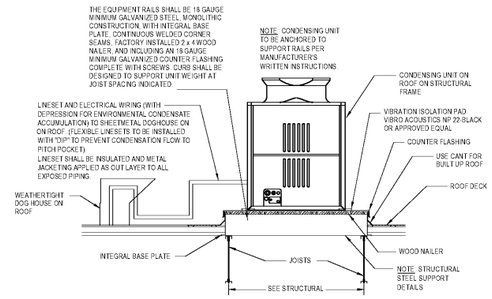
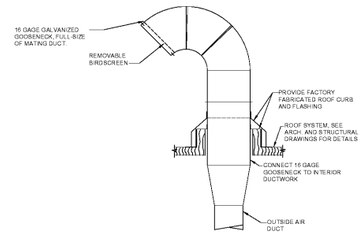
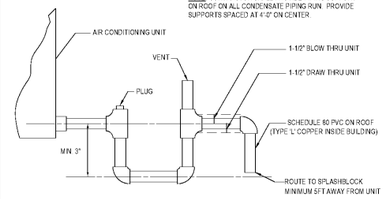


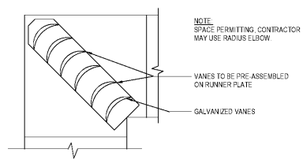
1 M3.1 **ROOF MOUNTED CONDENSING UNIT ON RAILS**
SCALE: NONE



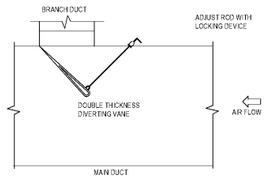
2 M3.1 **GOOSENECK DETAIL**
SCALE: NONE



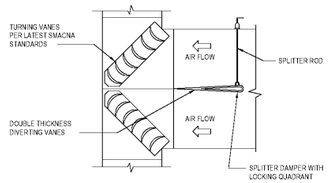
3 M3.1 **CONDENSATE TRAP DETAIL**
SCALE: NONE



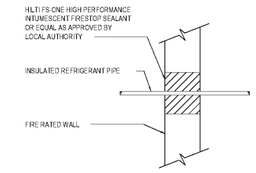
4 M3.1 **SQUARE ELBOW WITH DOUBLE THICKNESS VANES**
SCALE: NONE



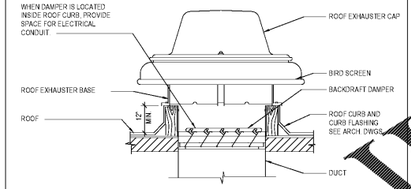
5 M3.1 **BRANCH DUCT SPLITTER DETAIL**
SCALE: NONE



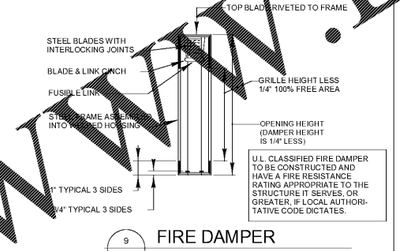
6 M3.1 **SPLITTER DAMPER DETAIL**
SCALE: NONE



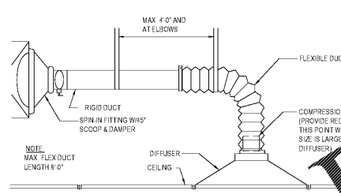
7 M3.1 **REFRIGERATION PIPE FIRE RATED WALL PENETRATION**
SCALE: NONE



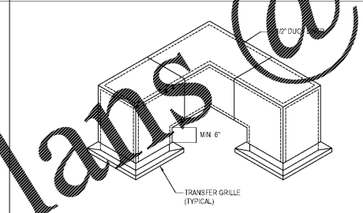
8 M3.1 **ROOF MOUNTED EXHAUST FAN**
SCALE: NONE



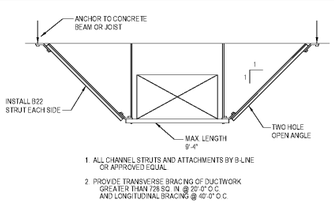
9 M3.1 **FIRE DAMPER**
SCALE: NONE



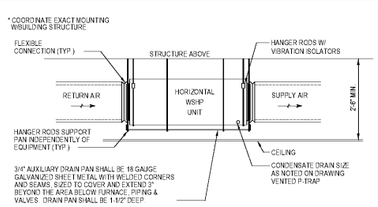
10 M3.1 **DIFFUSER RUNOUT DETAIL**
SCALE: NONE



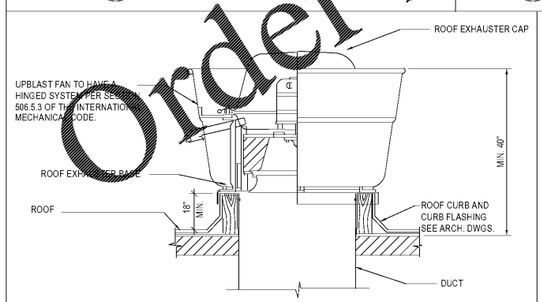
11 M3.1 **TRANSFER DUCT DETAIL**
SCALE: NONE



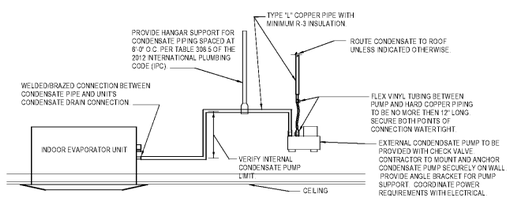
12 M3.1 **SUSPENDED DUCTWORK DETAIL**
SCALE: NONE



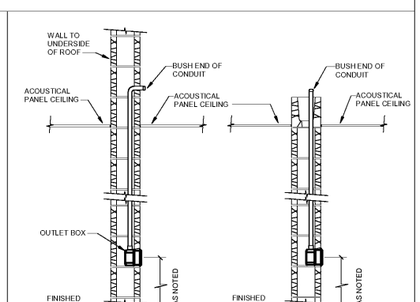
13 M3.2 **HORIZONTAL WSHP UNIT DETAIL**
SCALE: NONE



14 M3.1 **ROOF MOUNTED UPBLAST EXHAUSTER**
SCALE: NONE



15 M3.2 **INDOOR EVAP. CONDENSATE ROUTING DETAIL**
SCALE: NONE



16 M3.1 **THERMOSTAT/SENSOR MOUNTING DETAIL**
SCALE: NONE

HVAC LEGEND & ABBREVIATIONS	
	SUPPLY DIFFUSER
	RETURN GRILLE
	TRANSFER GRILLE
	AIR DISTRIBUTION TAG
	SUPPLY REGISTER
T	THERMOSTAT
H	HUMIDITY SENSOR
TH	THERMIDISTAT
CO2	CARBON DIOXIDE SENSOR
	FLEXDUCT RUNOUT
	SQUARE TO ROUND TRANSITION
	MANUAL BUTTERFLY DAMPER
	MANUAL VOLUME DAMPER
	SPLITTER DAMPER
	FIRE DAMPER
	SPIN-IN W/DAMPER
	DOUBLE THICK TURNING VANE
B-	BOILER
CT- (FC-)	COOLING TOWER/FLUID COOLER
CU-	CONDENSING UNIT
EF-	ELECTRIC FAN
ERU-	ENERGY RECOVERY UNIT
EUH-	ELECTRIC UNIT HEATER
EWH-	ELECTRIC WALL HEATER
ECH-	ELECTRIC CEILING HEATER
ET-	EXPANSION TANK
FCU-	FAN COIL UNIT
H-	HOOD
WSHP-	WATER SOURCE HEAT PUMP
HX-	HEAT EXCHANGER
L-	LOUVER
P-	PUMP
RTU-	ROOFTOP UNIT
MOD-	MOTOR OPERATED DAMPER
AS-	AIR SEPARATOR

Order Plans @ WWW.LDILine.com

ROBERTSON LOIA ROOF
ARCHITECTS & ENGINEERS
3160 Preston Ridge Road, Suite 275 · Alpharetta, GA. 30005
770.674.2600 / www.rlrpc.com

GEORGIA REGISTERED No. 030083 ENGINEER MINH N. OEAU
12/12/2019

Blacks Mill Elementary School (Facility No. 642-0199)
HVAC Replacement and Reroof
Dawsonville, Georgia 30534
FOR
Dawson County Schools
Overall Renovation Square Footage = 77,219 SF (Existing)
F.T.E. - 750 (Existing)
10's-48 (Existing)

REVISIONS

SHEET TITLE: HVAC - DETAILS

DATE: 12-06-2019

PROJECT NUMBER: 19-309

SHEET NUMBER: M3.1