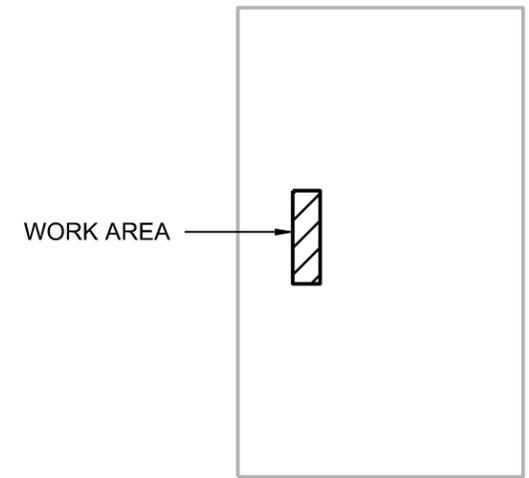


KEYNOTE:

- 1 PROVIDE TEE IN THE 10Ø STAINLESS STEEL EXHAUST DUCTWORK VERTICAL AS SHOWN, ONE BRANCH WILL CONNECT TO THE EXISTING 10Ø STAINLESS STEEL EXHAUST DUCTWORK SERVING EXISTING EF-17, THE OTHER BRANCH WILL SERVE THE NEW REDUNDANT EF-17
- 2 PROVIDE WEATHER PROOF MOTOR OPERATED DAMPERS IN DUCTWORK WHERE SHOWN. ONE WILL BE NORMALLY OPEN THE OTHER NORMALLY CLOSED. EACH DAMPER WILL BE OPEN WHENEVER ITS ASSOCIATED FAN IS INDEXED TO THE ON POSITION, THE OPPOSITE SHALL OCCUR WHENEVER ITS ASSOCIATED FAN IS INDEXED TO THE OFF POSITION.
- 3 PROVIDE REDUNDANT EF-17 SAME AS THE EXISTING EF-17 AS MANUFACTURED BY COOK MODEL 70 CPS, 280 CFM, 3.0" STATIC PRESSURE, .75 MOTOR HORSEPOWER. MOUNT FAN ON EQUIPMENT SUPPORT RAILS TO MATCH EXISTING EF-17, PROVIDE VERTICAL DISCHARGE DUCTWORK SAME SIZE AND TERMINATION POINT THE EXISTING EF-17 FAN SYSTEM, SUPPORT THE HORIZONTAL DUCTWORK RUNS USING THE SAME METHODS AND MATERIALS AS EXISTING EF-17.
- 4 REMOVE EXISTING EF-18 IN ITS ENTIRETY, THIS SHALL OCCUR AFTER THE REPLACEMENT FANS, PLENUMS AND CONTROLS ARE ON SITE AND READY FOR INSTALLATION. THE REMOVAL OF EXISTING EF-18 AND THE INSTALLATION OF THE NEW FANS, PLENUM, CONTROLS AND DEVICES WILL BE COMPLETED IN A SINGLE WORK SHIFT DURING OFF HOURS AS APPROVED BY THE VA FACILITY ENGINEERING AND BUILDING USER GROUPS.
- 5 PROVIDE (2) FANS TO REPLACE THE EXISTING EF-18. (1) FAN WILL BE A REDUNDANT FAN OF SAME CAPACITIES. THE FANS WILL BE AS FOLLOWS: MANUFACTURED COOK, MODEL ACRUB 365RX128, 7.5 MOTOR HORSEPOWER, 2" TSP, 1060 FAN RPM, 10129 TIP SPEED, 9332 FAN CFM, 7395 SYSTEM CFM.
- 6 PROVIDE A 18" TALLx 120" LONG x 72" WIDE INTERNALLY STRUCTURALLY SUPPORTED STAINLESS STEEL PLENUM TO SUPPORT THE EXHAUST FANS, EACH FANS INLET CONNECTIONS WILL HAVE A MOTOR OPERATED DAMPER. THE PLENUM WILL HAVE AN ACCESS PANEL AT EACH FAN TO MAINTAIN AND INSPECT THE DAMPER.
- 7 BAS TO ROTATE FAN OPERATING BASED ON RUNTIME HOURS - USER DEFINED



1 PARTIAL ROOF PLAN
Scale: 1/4" = 1'-0"

SCHMATIC - NOT FOR CONSTRUCTION

HFC H.F. LENZ COMPANY Engineers • Planners • Surveyors • Energy Consultants 1407 Scalp Avenue, Johnstown, PA 15904 Phone: 814-289-9300		Drawing Title PARTIAL ROOF PLAN		Project Title RESEARCH BUILDING EF-17&EF-18 REDUNDANCY VA Medical Center		Date 4/27/17	
Approved: Division Chief		Building Number #21		Checked SDA		Drawn NJB	
Approved: Service Director		Location Philadelphia, Pennsylvania		Project No. -		DRAWING NO. SKM-1	
Revisions		Date		Dwg. Of		Veterans Administration	