



105.1 COMPRESSED AIR PIPING PLAN

SCALE: 1/8"=1'-0"

AIR COMPRESSOR SCHEDULE												
MARK	SCFM	TYPE	AIR RECEIVER	MIN PRESSURE	MFR/MODEL	HP	VOLT	MCA	MOCP	WEIGHT	NOTES	
AC-1	70.1	ROTARY SCREW	100 GAL	125 PSI	QUINCY / QGD-15	15	460V / 3ø	21.0	40	1,071	1-4	
AC-2	70.1	ROTARY SCREW	100 GAL	125 PSI	QUINCY / QGD-15	15	460V / 3ø	21.0	40	1,071	1-4	

NOTES:

- AIR COMPRESSOR SHALL BE FIXED SPEED, DIRECT DRIVE ROTARY SCREW COMPRESSOR AND RATED FOR OUTDOOR INSTALLATION.
- PROVIDE UNIT WITH MANUFACTURER'S INTEGRAL REFRIGERATED DRYER, WATER SEPARATOR, & FILTER.
- PROVIDE UNIT WITH INTEGRAL AIR RECEIVER TANK (100 GALLON MINIMUM).
- PROVIDE AUTOMATIC DRAIN VALVES WITH ADJUSTABLE TIMER FOR AIR RECEIVER TANKS AND REFRIGERATED AIR DRYERS.
- VALUES LISTED ABOVE ARE MINIMUM ACCEPTABLE VALUES.
- QUINCY IS BASIS OF DESIGN. EQUALS BY INGERSOLL RAND, EATON, CHICAGO PNEUMATIC, CHAMPION, KAESER, & SULLIVAN-PALATEK. OTHER MANUFACTURERS MUST BE SUBMITTED FOR APPROVAL BY ENGINEER.

ABBREVIATIONS:

SCFM = CAPACITY AT 125 PSI (CFM)

MIN PRESSURE = MINIMUM OPERATING PRESSURE (PSI)

HP = COMPRESSOR HORSEPOWER (HP)

MCA = MINIMUM CIRCUIT AMPACITY (AMPS)

MOCP = MAXIMUM OVER CURRENT PROTECTION (AMPS)

WEIGHT = OPERATING WEIGHT (LBS.)

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1	03/10/25	ADDEDUM # 1
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NEW CTE BUILDING FOR
Bertie High School
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

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