

one-eighth inch = one foot
one-quarter inch = one foot
three-eighths inch = one foot
one-half inch = one foot
three-quarters inch = one foot
one inch = one foot
one and one-half inches = one foot
three inches = one foot
A
B
C
D
E
F

PRE-CONSTRUCTION AIRFLOW TESTING:

1. THE DRAWINGS OF THE EXISTING BUILDING HAVE BEEN PROVIDED BY THE VA PITTSBURGH HEALTHCARE SYSTEM. CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK, INCLUDING ALL AREAS WHERE DEMOLITION AND NEW WORK ARE TO BE PERFORMED. NOTIFY THE ENGINEER IMMEDIATELY OF ANY VARIATIONS AND/OR DISCREPANCIES IN EXISTING CONDITIONS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL SUPPLY AIR DIFFUSERS AND RETURN/EXHAUST AIR REGISTERS TO BE DISTURBED UNDER THIS PROJECT. THE EXISTING SUPPLY AIR DIFFUSER NECK SIZES, THROW PATTERNS, AND FLEXIBLE DUCT CONNECTION SIZES SHALL BE RECORDED. THE EXISTING RETURN/EXHAUST AIR REGISTER NECK SIZES AND FLEXIBLE DUCT CONNECTION SIZES SHALL ALSO BE RECORDED AND ALL INFORMATION SUBMITTED TO THE ENGINEER FOR RECORD.
3. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL BE COORDINATED WITH ALL OTHER TRADES AND EXISTING CONDITIONS.
4. COORDINATE/SCHEDULE ALL PRE AND POST-CONSTRUCTION AIRFLOW TESTING ACTIVITIES WITH THE COTR PRIOR TO PERFORMING ANY WORK.



PRE-CONSTRUCTION AIRFLOW TESTING:

PRIOR TO PERFORMING ANY DISCONNECTIONS AND REMOVAL WORK, THE CONTRACTOR SHALL PERFORM AIRFLOW MEASUREMENTS AT ALL EXISTING SUPPLY AIR DIFFUSERS AND RETURN/EXHAUST AIR REGISTERS TO BE DISTURBED UNDER THIS PROJECT. THE RESULT OF THESE MEASUREMENTS SHALL BE RECORDED, ALONG WITH THE SUPPLY AIR DIFFUSER NECK SIZE AND THROW PATTERN, AND THE RETURN/EXHAUST AIR REGISTER NECK SIZE. ALL INFORMATION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

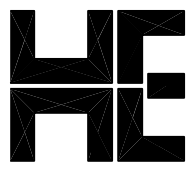

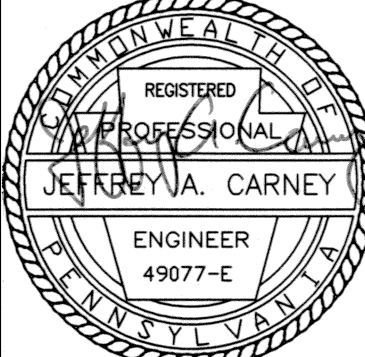
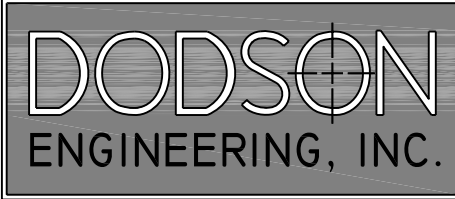


POST-CONSTRUCTION AIRFLOW TESTING:

UPON COMPLETION OF ALL WORK, THE CONTRACTOR SHALL PERFORM AIRFLOW MEASUREMENTS AT ALL SUPPLY AIR DIFFUSERS AND RETURN/EXHAUST AIR REGISTERS DISTURBED UNDER THE PROJECT. THE AIRFLOWS SHALL BE ADJUSTED TO RESTORE THE VALUES READ UNDER THE PRE-CONSTRUCTION AIRFLOW TESTING. THE RESULTS OF THESE MEASUREMENTS SHALL BE RECORDED AND SUBMITTED TO THE ENGINEER FOR REVIEW.

HVAC SYMBOL LEGEND

-  SUPPLY AIR DIFFUSER
-  RETURN/EXHAUST REGISTER

BID SUBMISSION

Revisions	Date	CONSULTANTS:  HORNPECK ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 1020 NORTH CANAL STREET PITTSBURGH, PA. 15213 PHONE: 412/781-1500 FAX: 412/781-0593	 ALTMAN SALTMAN ARCHITECTS Architectural Services Since 1969 300 Denick Avenue Ligonier, Pennsylvania 15401 Phone: (724) 436-2518 Fax: (724) 436-0920 http://altmansaltman.com	Professional Stamp/Seal 	MECHANICAL ENGINEERS:  DODSON ENGINEERING, INC. 420 One Chatham Center Pittsburgh, Pa. 15219 Phone: 412-261-6515 Fax: 412-261-6527		Drawing Title SYMBOLS AND NOTES	Project Title PLUMBING MAIN REPLACEMENT	Date 4/15/09	Office of Facilities Management 			
									Project No. VA244-P-0403				
									Building No.		Scale AS NOTED	Drawn/Checked DJD / JAC	DRAWING NO. H-01
									Location VA PITTSBURGH HEALTHCARE SYSTEM (UD) UNIVERSITY DRIVE DIVISION PITTSBURGH, PA. 15240		Dwg. 1 of 11		