ABBREVIATIONS

GENERAL	
AD	ACCESS DOOR
ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
ALT	ALTITUDE OR ALTERNATE
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT
AS	AIR STREAM
ATC	AUTOMATIC TEMPERATURE CONTROL
ATM	ATMOSPHERE
AVE	AVERAGE
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING OR COOLING
CONN	CONNECTION
CONTR	CONTRACTOR
D	DRAIN OR DEPTH
DB	DRY BULB TEMPERATURE
DEG	DEGREE
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EFF	EFFICIENCY
ELEC	ELECTRICAL
ELEV	ELEVATION
ENT	ENTER
ESP	EXTERNAL STATIC PRESSURE
EXIST	EXISTING
EXT	EXTERNAL
F	FAHRENHEIT
FA	FREE AREA
FC	FLEXIBLE CONNECTION
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FT	FEET
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GRD	GRADE
GWB	GYPSUM WALL BOARD
HGT	HEIGHT
HP	HORSEPOWER OR HIGH POINT
HR	HOUR
HTG	HEATING
HZ	HERTZ (FREQUENCY, CYCLES PER SECOND)
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATT
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LF	LINEAR FEET
LVG	LEAVING
MAX	MAXIMUM
MBH	THOUSAND BTUH
MECH	MECHANICAL
MF'R	MANUFACTURER
MIN	MINIMUM
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED OR NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
No	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OV	OUTLET VELOCITY
PD	PRESSURE DROP
PH	PHASE
QTY	QUANTITY
R	RADIUS
RA	RETURN AIR
RET	RETURN
REQ'D	REQUIRED
RM	ROOM
SCH	SCHEDULE
SEN	SENSIBLE
SHC	SENSIBLE HEAT CAPACITY
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SF	SQUARE FEET
STL	STEEL
SUP	SUPPLY
TEMP	TEMPERATURE
TSTAT	THERMOSTAT
TON	12,000 BTUH COOLING CAPACITY
TOT	TOTAL
TYP	TYPICAL
V	VOLTS (ELECTRICAL)
VEL	VELOCITY
W	WIDTH OR WATT
W/	WITH
WB	WET BULB TEMPERATURE
W/O	WITHOUT
X	EXISTING EQUIPMENT TO BE REMOVED
XM	EXISTING EQUIPMENT TO REMAIN
XN	NEW LOCATION OF RELOCATED EQUIPMENT
XR	EXISTING EQUIPMENT TO BE RELOCATED
DUCT	
ACD	AUTOMATIC CONTROL DAMPER
AL	ACOUSTICAL DUCT LINER
BOD	BOTTOM OF DUCT
CD	CEILING DIFFUSER
DIFF	DIFFUSER
LD	LINEAR DIFFUSER
MD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR
OA	OUTSIDE AIR
OED	OPEN END DUCT
PAD	PRIMARY AIR DAMPER
RA	RETURN AIR
RG	RETURN GRILLE
SA	SUPPLY AIR
SG	SUPPLY GRILLE
TA	THROW AWAY OR TRANSFER AIR
TOD	TOP OF DUCT
TR	TRANSFER
TSP	TOTAL STATIC PRESSURE (IN. WG)
TV	TURNING VANES
VD	VOLUME DAMPER
VAV	VARIABLE AIR VOLUME SUPPLY AIR TERMINAL
EQUIPMENT	
AC	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSING UNIT
CP	CONDENSATE PUMP
DDC	DIRECT DIGITAL CONTROL
EF	EXHAUST FAN
EHC	ELECTRICAL HEATING COIL
F	FAN
FB	FAN BOX
FTR	FINNED TUBE RADIATION
RTU	ROOF TOP UNIT
SF	SUPPLY FAN
TD	TRANSFER DUCT
VAV	VARIABLE AIR VOLUME TERMINAL UNIT

DUCTWORK

SINGLE LINE	DOUBLE LINE
RECTANGULAR SUPPLY DUCT W=WIDTH, D=DEPTH (INCHES UNLESS NOTED OTHERWISE) AS VIEWED	
ROUND SUPPLY DUCT (DIA=INSIDE DIAMETER)	
SUPPLY DUCT UP	
SUPPLY DUCT DOWN	
RETURN DUCT UP	
RETURN DUCT DOWN	
RECTANGULAR DUCT TO ROUND SUPPLY/RETURN/ EXHAUST	
CEILING DUCT MOUNTED DIFFUSER/GRILLE	
TAKE-OFF TO DIFFUSER/GRILLE	
CEILING DUCT MOUNTED DIFFUSER/GRILLE	
ACOUSTICALLY LINED DUCT	
FLEXIBLE DUCT	
OPEN END DUCT W/ 1/2"x1/2" WMS	

SINGLE LINE	DOUBLE LINE
RECTANGULAR RETURN/EXHAUST DUCT W=WIDTH, D=DEPTH (INCHES UNLESS NOTED OTHERWISE) AS VIEWED	
ROUND RETURN/EXHAUST DUCT (DIA=INSIDE DIAMETER)	
STANDARD RADIUS ELBOW (R < W) SUPPLY/RETURN/EXHAUST	
FULL LENGTH SPLITTER VANES (R < W) SUPPLY/RETURN/ EXHAUST	
SPLIT TAKE-OFF	
RECTANGULAR WYE SUPPLY	
HORIZONTAL OFFSET SUPPLY/RETURN/EXHAUST	
CHANGE OF ELEVATION (R)RISE OR (D)ROP SUPPLY/RETURN/ EXHAUST	
45° TAP TAKE-OFF	
45° TAKEOFF / 45° TAKE-OFF TRANSITION TO ROUND / 90° TAP TAKE-OFF / SQUARE TO ROUND CONNECTION / BELLMOUTH CONNECTION	
CONVERGE RETURN/EXHAUST W/45° TAKE-OFFS	
SUPPLY CEILING LINEAR DIFFUSER (W/SHEETMETAL PLENUM, LINING & BRANCH CONN. FOR EVERY 4' OF LINEAR.) / PLENUM BY LD MF'R	

- VD — MANUAL VOLUME DAMPER
- STANDARD 4-WAY BLOW SUPPLY DIFFUSER
- 3-WAY BLOW SUPPLY DIFFUSER
- 2-WAY BLOW SUPPLY DIFFUSER
- RETURN/EXHAUST GRILLE OR REGISTER
- LINEAR DIFFUSER
- RETURN OR EXHAUST AIR FLOW
- SUPPLY AIR FLOW

CALLOUT SYMBOLS

- CONNECT NEW TO EXISTING
- REVISION NUMBER
- TEMPERATURE SENSOR OR THERMOSTAT
- REMOVE EXISTING ITEM
- SA(100) — S = SUPPLY A = SCHEDULED DIFFUSER. (100) = CFM TO BALANCE TO
- RA(100) — R = RETURN A = SCHEDULED GRILLE. (100) = CFM TO BALANCED TO

EQUIPMENT REQUIRING ELECTRICAL SERVICE,
SEE SCHEDULE FOR PERFORMANCE REQUIREMENTS:

TAG 1 XXX

- SCHEDULED EQUIPMENT UNIT NUMBER
- FIRST DIGIT(S):
  1 = FIRST UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL.
  2 = SECOND UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL.
  3 = THIRD UNIT OF THIS EQUIPMENT TYPE ON THIS LEVEL.
  ETC. (DUE TO EDITING NOT ALL NUMBERS MAY BE USED)
- UNIT CAPACITY INFORMATION (IF APPLICABLE-DATA VARIES DEPENDING ON TYPE OF EQUIPMENT)
  i.e. FOR FAN POWERED VAV BOXES:
  FIRST NUMBER = MAX. CFM
  SECOND NUMBER = COIL KW

EQUIPMENT NOT REQUIRING ELECTRICAL SERVICE,
SEE SCHEDULE FOR PERFORMANCE REQUIREMENTS:

TAG 1 XXX — REFER TO EQUIPMENT REQUIRING ELECTRICAL SERVICE SYMBOL ABOVE FOR TAG AND DATA INFORMATION.

KLING STUBBINS
2301 Chestnut Street
Philadelphia, Pennsylvania
19103
P 215.569.2900
F 215.569.5963
W www.klingstubbins.com

Fidelity's Engineering Consultant :

RDK ENGINEERS
Andover, MA - Boston, MA - Amherst, MA
Durham, NC - Charlotte, NC
70 Fargo Street Boston, MA 02210-1964
T.617-345-9885

Seals:

General Notes:

Project Title:

Fidelity INVESTMENTS
Fidelity Real Estate Company
245 Summer Street
Boston, MA20110

Fidelity Investor Center
3 Canal Plaza
Portland, ME 04112
Branch ID No. 120

Number	Description	Date
	ISSUED FOR PERMIT & CONSTR	03 OCT 14

CAD File:
Project No.: 20140629
Copyright: 2014 KlingStubbins, Inc or LLC

Drawing Sheet Title :

HVAC LEGEND, NOTES & ABBREVIATIONS

Drawing Sheet Number:

H-000

Owner's Drawing Sheet No.:

G:\20140629 - Fidelity 3B Ctr Renovation Portland ME\1200 Drawings\1203 HVAC\20140629 H-000 HVAC LEGEND.dwg [Web] October 03, 2014 - 4:29pm rhunter