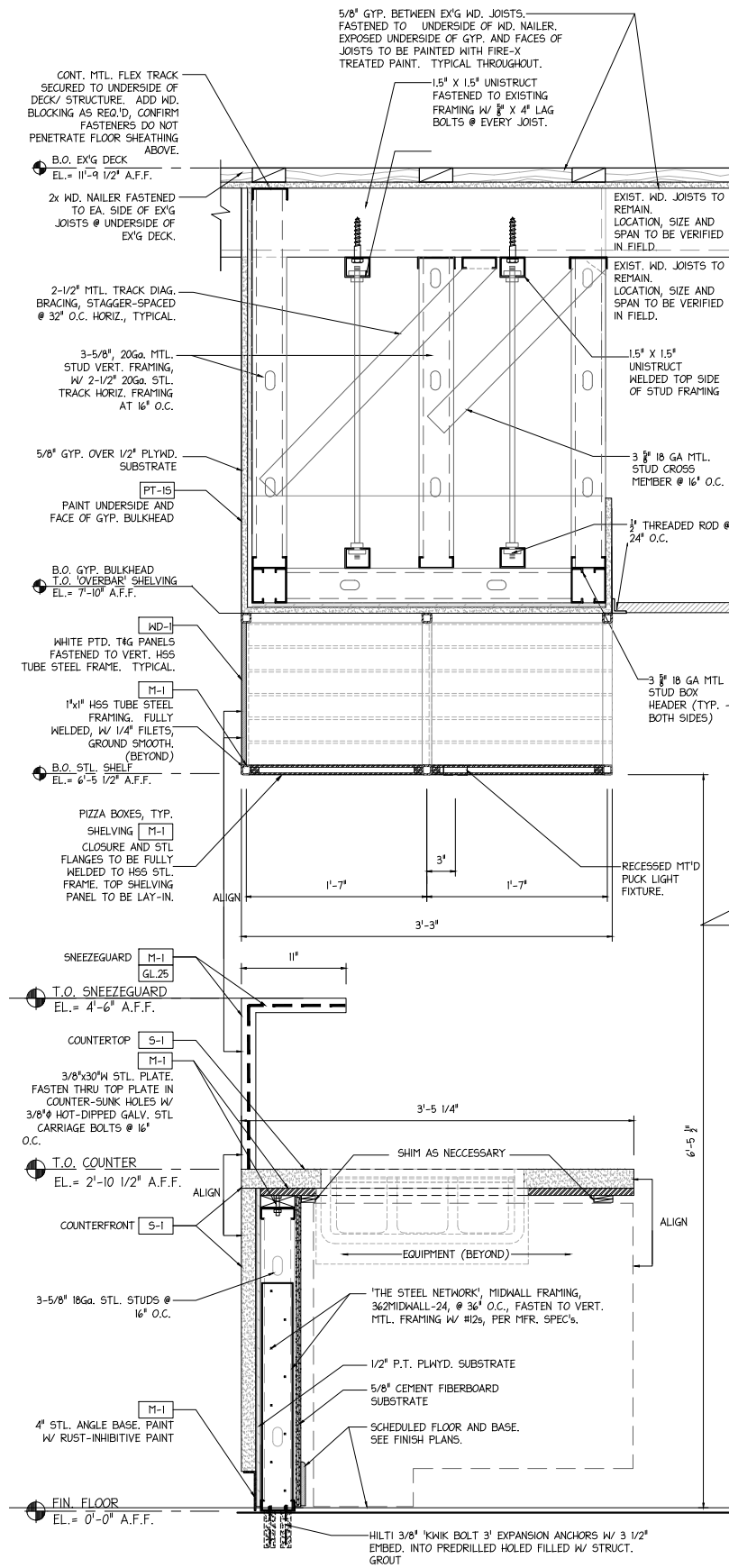
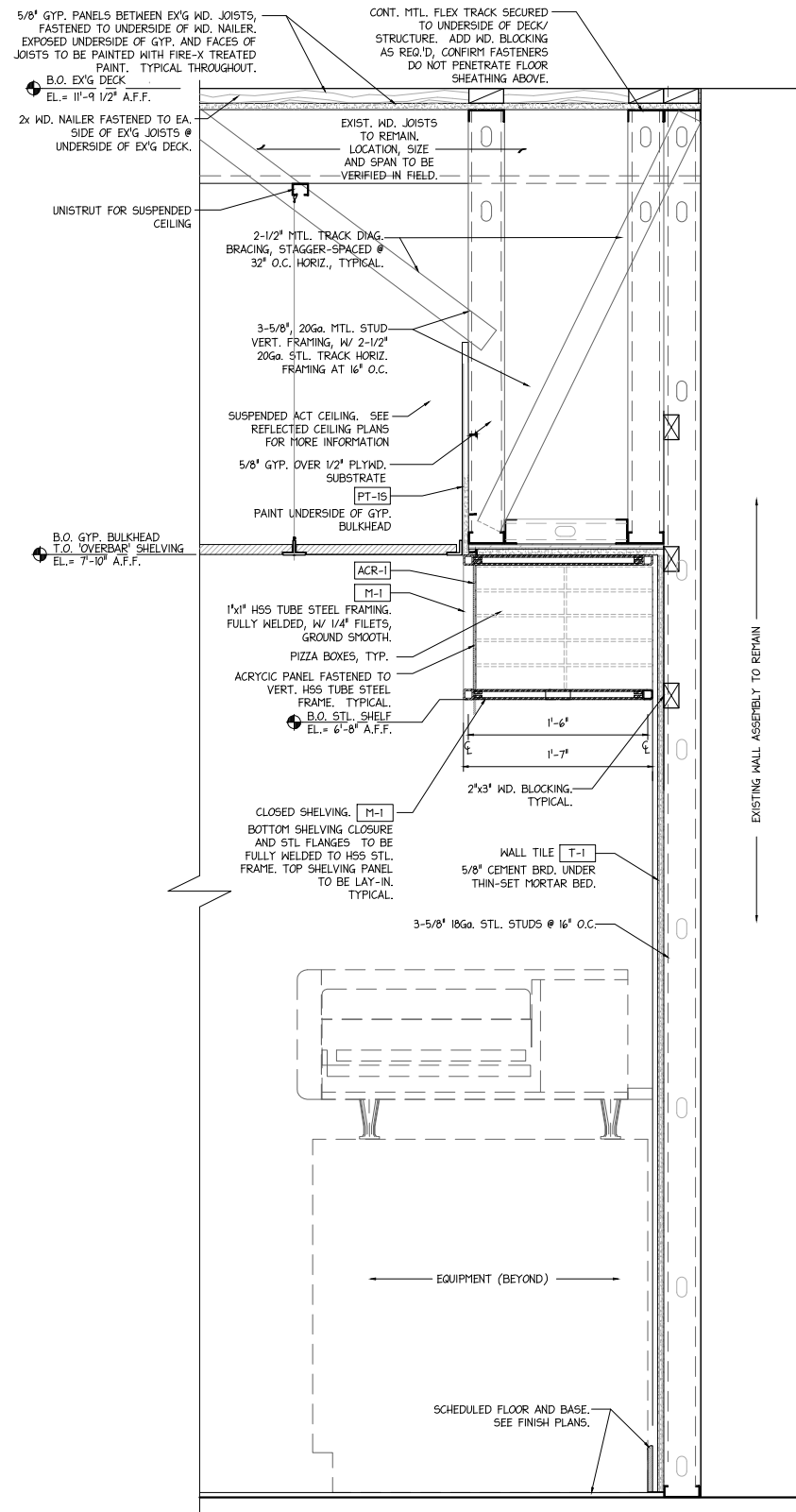




1 TYP. SECTION @ FRONT LINE
SCALE: 1-1/2" = 1'-0"



2 TYP. SECTION @ BACK LINE
SCALE: 1-1/2" = 1'-0"

CLIENT DATA

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Consulting Engineers & Architectural, Inc.

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Phone: 610-820-8200 - Fax: 610-820-3706

www.cornerstone.net

Philadelphia Region

Lehigh Valley Region

Pennsylvania Region

215-502-5600

610-820-8200

610-820-1770

REVISIONS	
NO	DESCRIPTION
1	REVISED PER CLIENT COMMENTS
2	REVISED PER CLIENT COMMENTS
3	REVISED PER CLIENT COMMENTS
4	REVISED PER ALTERNATE EQUIPMENT LAYOUT
5	REVISED PER REVIEW COMMENTS, ALT. HVAC LAYOUT
6	REVISED PER CLIENT COMMENTS
7	REVISED PER CLIENT COMMENTS
8	REVISED PER CLIENT COMMENTS

DISTRICT OF COLUMBIA

ARCHITECT

3/9/16

PROJECT LOCATION

TENANT INSTALLATION

405 8TH STREET SE

BARRACKS ROW

WASHINGTON D.C. 20003

LOT 0036 OF SQUARE 0902

TITLE

WALL/ MILLWORK SECTIONS & DETAILS

DATE: 3/9/16

BY: WPL

CHECKED: WPL

DESIGNED: WPL

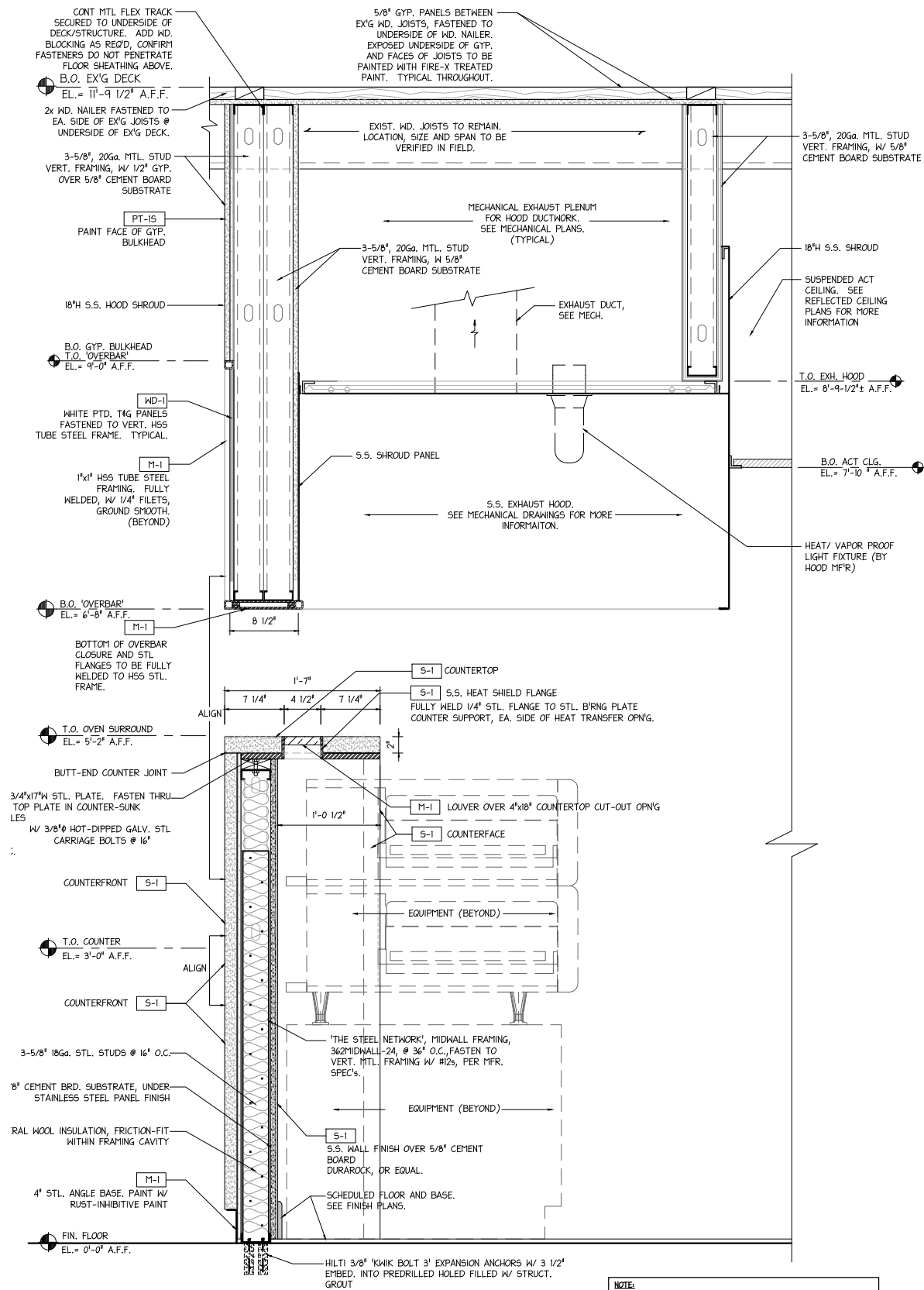
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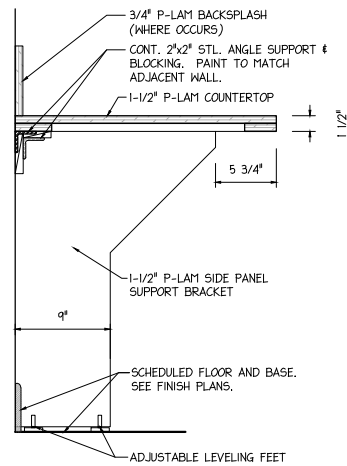
EXHIBIT NO. 7B

Board of Zoning Adjustment



NOTE: MILLWORK SHOWN IS FOR REFERENCE ONLY. SEE MILLWORK SHOP DRAWINGS FOR ADDITIONAL INFORMATION INCLUDING THE USE OF WATER BASED WOOD FILLER, STAINS AND FINISHES, ALONG WITH THE EXCLUSION OF UREA FORMALDEHYDE. CONTACT ARCHITECT/VENDOR WITH ANY INCONSISTENCIES BETWEEN DRAWINGS.

1 SECTION @ FRONT LINE OVEN
SCALE: 1-1/2" = 1'-0"



3 DETAIL @ OFFICE DESK
SCALE: 1-1/2" = 1'-0"

CLIENT DATA

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Philadelphia Region 215-552-5600
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Pottsville Region 610-820-1770

REVISIONS

NO	BY	DESCRIPTION	DATE
1	JDB	REVISED PER CLIENT COMMENTS	22 FEB 2015
2	JDB	REVISED PER CLIENT COMMENTS	23 FEB 2015
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7	JDB	REVISED PER CLIENT COMMENTS	30 NOV 2015
8	JDB	REVISED PER CLIENT COMMENTS	3 FEB 2016



PROJECT LOCATION

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TENANT INSTALLATION
405 8TH STREET SE
BARRACKS ROW
WASHINGTON D.C. 20003
LOT 0036 OF SQUARE 0902

TITLE

WALL/ MILLWORK
SECTIONS
&
DETAILS

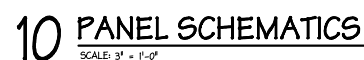
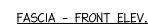
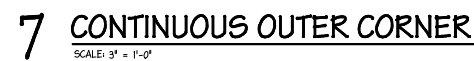
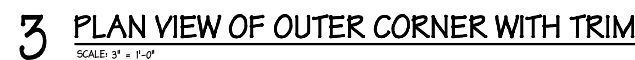
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CAD ID.	140326A6.0	DRN BY	WPL
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REVISION 8



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Cornerstone Consulting Engineers & Architectural, Inc. 1176 N. Irving Street . Allentown . PA 18109 Phone: 610-820-8200 . Fax: 610-820-3706 WWW.CORNERSTONEINC.COM Philadelphia Region Lehigh Valley Region Pocono Region 215-562-2600 610-820-8200 570-898-1770																																																									
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Philadelphia Region
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Lehigh Valley Region
 610-420-3200

Pocono Region
 576-481770

REVISIONS		
NO	BY	DATE
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8	JDB	3 FEB 2016



PROJECT LOCATION

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TENANT INSTALLATION

405 8TH STREET SE
 BARRACKS ROW
 WASHINGTON D.C. 20003

LOT 0036 OF SQUARE 0902

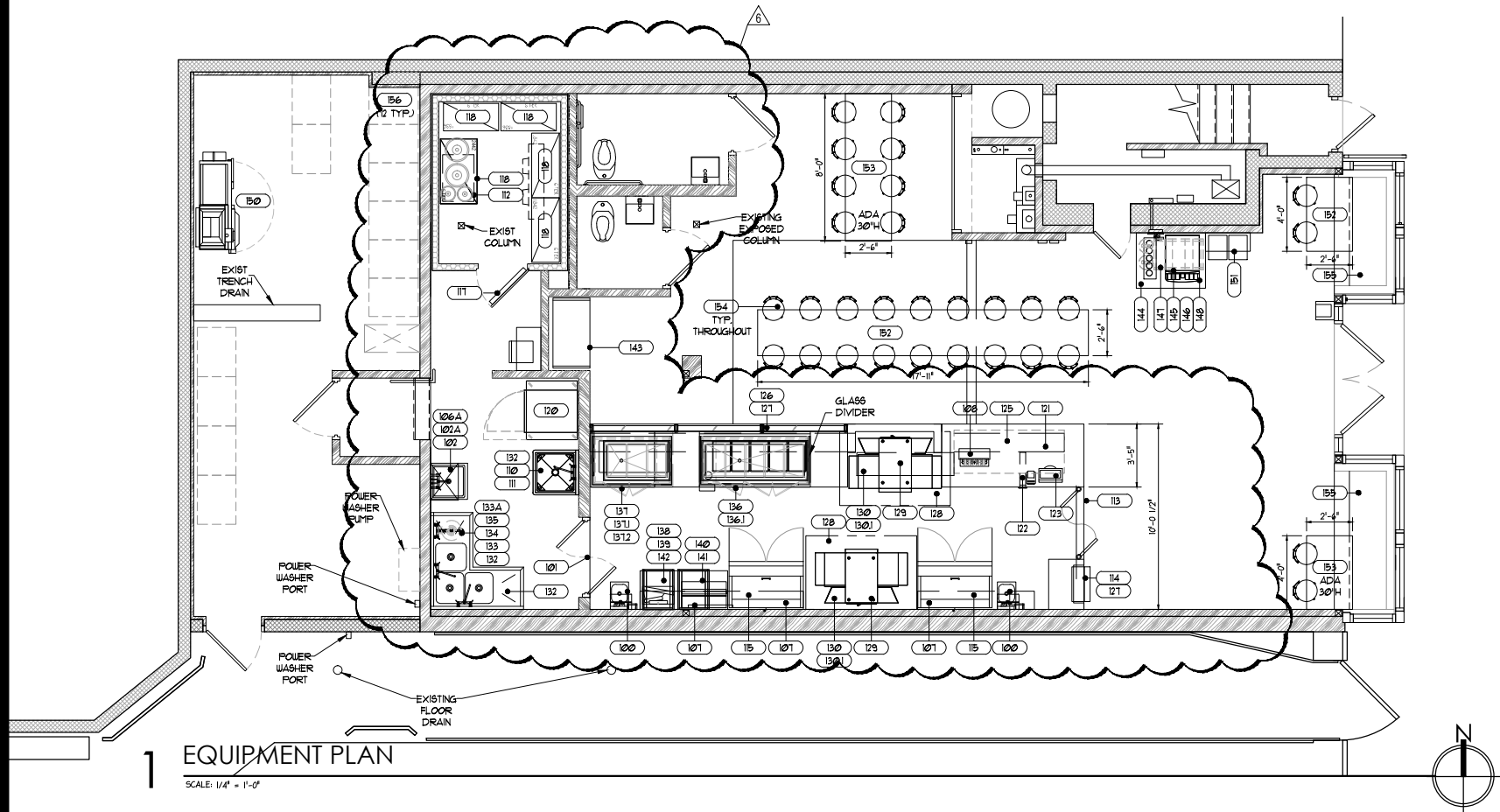
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SIGN BAND DETAILS

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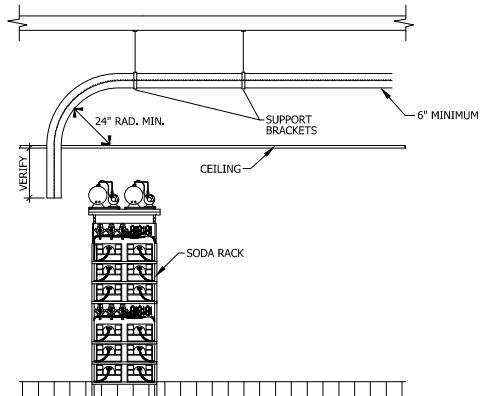
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REVISION 8



1 EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"



CONDUIT TO BE ROUND METALLIC, PVC (OR EQUAL)
DIAMETER AS INDICATED WITH MINIMUM BEND RADIUS OF 24"
FURNISH ALL 6" METAL CONDUIT AS DESCRIBED IN THE NATIONAL ELECTRICAL
CODE REFERENCING, CONDUIT, METAL DUCT, SWEEP ELBOWS, OR EQUAL

2 BEVERAGE CONDUIT DETAIL

SCALE: NONE

EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	PLUG	DIRECT	VOLTS	PH	CYCLE	AMP	KW	HP	NEMA	MOT WATER SIZE (IN)	COLD WATER SIZE (IN)	DIRECT DRAIN SIZE (IN)	INDIR DRAIN SIZE (IN)	GAS SIZE (IN)	MTBH	EQUIPMENT REMARKS
100	2	HAND SINK, WALL MOUNT	BK RESOURCES	BKIS-D-SS-SS-P-G																
101	1	STAINLESS DOOR	ELAIKON	SCP-3																
102	1	MOP SINK	AERO	3MP-2116-6																
102A	1	FAUCET	AERO	5-70										1/2	1/2					
103	1	WORK COUNTER	FABRICATOR	CUSTOM																
104	1	SPARE																		
105	1	SPARE																		
106A	1	WIRE SHELVING	FOCUS FOODSERVICE	FF2424G																
107	2	OVER HEAD STRUCTURE	WILLWORK	NIRK																
108-109	1	SPARE																		
110	1	1 COMPARTMENT SINK	BK RESOURCES	BKS-1-24-14S										1/2	1/2		1-1/2			
111	1	FAUCET, HEAVY DUTY	BK RESOURCES	BKF-12-G																
112	1	SPARE																		
113	1	GATE, STAINLESS	ELAIKON	SCP-GATE DOOR																
114	1	REFRIGERATED SELF-SERVICE CASE	STRUCTURAL CONCEPTS	C033B-UC	X		120	1	60	11.0										
115	2	REFRIGERATED SANDWICH UNIT	MASTERBILT	MBSF48-12	X		115			7.9		3/8	5-15P							
116	1	SPARE																		
117	1	WALK-IN COOLER	KOLPAK	CUSTOM	X		115	1	60	1.8										
117A	1	WALK-IN COOLER CONDENSOR	KOLPAK	CUSTOM	X		208-230	1	60	7.4		3/4								
118	LOT	SHELVING, WALK-IN COOLER	CAMBRO	ESU SERIES																SEE PLANS FOR SIZE
119	1	SPARE																		
120	1	DOWN PROOFER	WINSTON INDUSTRIES	CAT507	X		208	3	60	23.7	7.6		15-30P		1/2					
121	1	POS COUNTER	FABRICATOR	CUSTOM																
122	2	DISPENSER, CLP	SAN JAMAR	C2410C																
123	1	POS SYSTEM	BY OTHERS	BY OTHERS	X		120	1	60	5.0			5-15P							
124	1	SPARE																		
125	1	CEILING MOUNTED SHELVING	MILLWORK	CUSTOM																N.I.K.E.C
126	1	GLASS GUARD	PREMIER BRASS	CUSTOM																
127	2	MARBLE COUNTER, FRONT & SIDES	BY GC	BY GC																
128	1	EXHAUST HOOD	CAPTIVE AIRE	CUSTOM	X		120	1	60	11.0		1-1/2								
					X		208	3	60	4.4										
128A	1	EXHAUST FAN SYSTEM	CAPTIVE AIRE	CUSTOM																
129	3	OVEN, CONVEYOR	TURBOCHEF	HHC-2020 VNTLSS	X		208-240	3	60	40.0			15-50P							
130	2	EQUIPMENT STAND	BK RESOURCES	SVET-36-30																
130.1	4	HEAT SHIELD	FABRICATOR	CUSTOM																
131	1	SPARE																		
132	3	WIRE SHELVING	METRO	12WS32C										(2)1/2	(2)1/2		(3)1-1/2			
133	1	3 COMPARTMENTS SINK	FABRICATOR	CUSTOM										(2)1/2	(2)1/2		(3)1-1/2			
133A	1	PRE-RINSE FAUCET	JOHN BOOS	PB-PRW-1LF																
134	3	LEVER WASTE W/ BRACKETS	BK RESOURCES	BK-LWR-1	X		115	1	60	8.4		1/2				1-1/2	1			
135	1	DISPOSER	INSINKERATOR	SS-50-12A-MBS	X		115	1	60	7.0		1/4	5-15P							
136	1	DROP-IN, COLD PAN	DELFIELD	NB169B																
136.1	1	WORK COUNTER	FABRICATOR	CUSTOM																
137	1	DROP-IN, COLD PAN	DELFIELD	NB143B	X		115	1	60	4.0		1/5	5-15P				1			
137.1	2	ADAPTER PLATE	FABRICATOR	TEMPLATES SAUCE WELL																
137.2	1	WORK COUNTER	FABRICATOR	CUSTOM																
138	1	PAN RACK	NU-YU	SB-1																60 CAPACITY
139	2	SCREEN PAN RACK	FABRICATOR	CUSTOM																60 CAPACITY
140	1	DOUGH SHEETER	DOYON	DL18DP	X		120	1	60	3.7			5-15P							
141	2	SCREEN PAN RACK	FABRICATOR	CUSTOM																
142	1	PRE-COUNTER	FABRICATOR	CUSTOM																
143	1	REFRIGERATED SELF-SERVICE CASE	STRUCTURAL CONCEPTS	B42-QS	X		120	1	60	16.0	1.6		5-20P							
144	1	MILLWORK BEVERAGE STATION CABINET	MILLWORK	CUSTOM																
145	1	ICE MAKER	HOSHIZAKI AMERICA	KM-S15MAH	X		115	1	60	11.7				1/2		3/4				
146	1	FILTER SYSTEM, FOUNTAIN BEVERAGE	HOSHIZAKI	H9320-51												3/8				
147	1	BAG IN BOX	BY VENDOR	BY VENDOR	X		120	1	60	8.0		1/3	5-15P							
148	1	SODA, ICE & BEVERAGE DISPENSER	BY VENDOR	BY VENDOR	X		115	1	60	10.0			5-15P		3/4		3/4			
149	1	SPARE																		

CLIENT DATA

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DISTRICT OF COLUMBIA
ARCHITECT
3/9/16

PROJECT LOCATION

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TENANT INSTALLATION
405 6TH STREET SE
BARRACKS ROW
WASHINGTON D.C. 20003
LOT 0036 OF SQUARE 0902

TITLE

EQUIPMENT
FLOOR PLAN
& SCHEDULE

PROJ. # 14-0326 DATE 11/13/15
CAD ID. 140326K1.0 DRN BY JDB
SCALE AS NOTED CHK BY MWM

K-1.0
REVISION 8

8

AIR BALANCE SCHEDULE

MECHANICAL LEGEND

COOLER EQUIPMENTMECHANICAL NOTES

RTU SCHEDULE

NOTE:
1. ALL MEP COMPONENTS TO MEET SEISMIC DESIGN CATEGORY 'D' REQUIREMENTS.

LOUVER SCHEDULE

DUCTLESS HEAT PUMP SCHEDULE

1 MECHANICAL FLOOR PLAN

SCALE: 1/4" = 1'-0"



NOTE: 1. MECHANICAL CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR ON FINAL CEILING PLAN AND FRAME TYPE.
2. DIFFUSERS AND GRILLES TO BE PAINTED, SEE FINISH SCHEDULE AND REFLECTED CEILING PLAN

& pizza

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Consulting Engineers & Architectural, Inc.

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Phone: 610-820-8200 . Fax: 610-820-3706

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Region	Number of Firms	Number of Employees	Number of Firms with Employees	Number of Employees
Philadelphia Region	315	263,350	210	177,000
Lehigh Valley Region	610	690,000	410	470,000
Pocono Region	10	10,000	7	7,000

Philadelphia Region

Philadelphia Reg
315 263 2600

REVIEWS		NO	BY	DESCRIPTION
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LOT 0036 OF SQUARE 0902

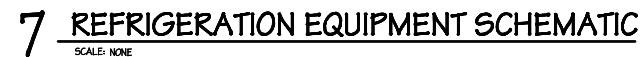
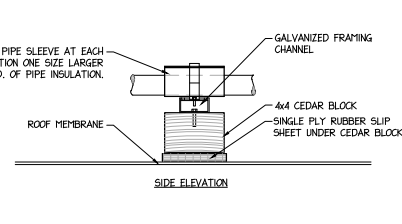
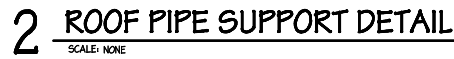
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MECHANICAL FLOOR
PLAN & SCHEDULES

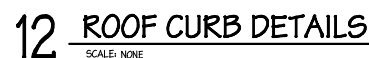
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REVISION 8



11 SPIRAL DUCT DIFFUSER INSTALLATION DETAIL



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M-3.0																																							
REVISION 8																																							

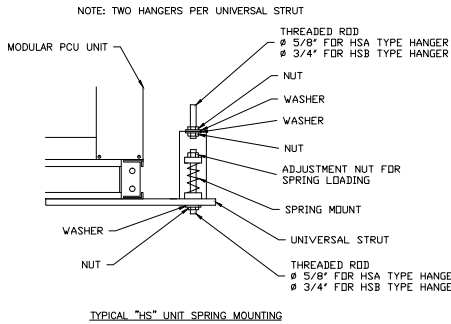
EXHAUST FAN INFORMATION - Job#2532982

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		KB14	1800	0.600	1529	2.000	0.8090	3	208	5.8	1544	15.1

FAN OPTIONS

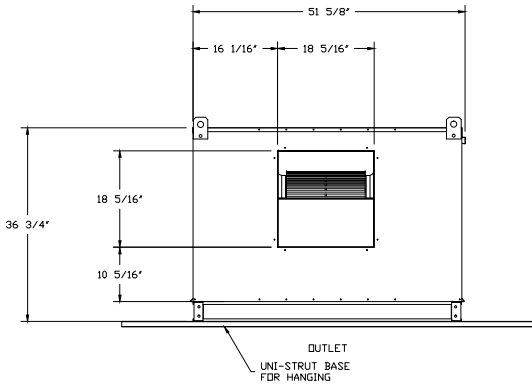
FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - Pollution Control Unit with High Efficiency, Hepa, and Dual Odor Control Filters. Size 2

FAN #1 KB14 - EXHAUST FAN - PCU #1 PCU-HE-HEPA-DC-DC-2
FAN WEIGHT = 1344

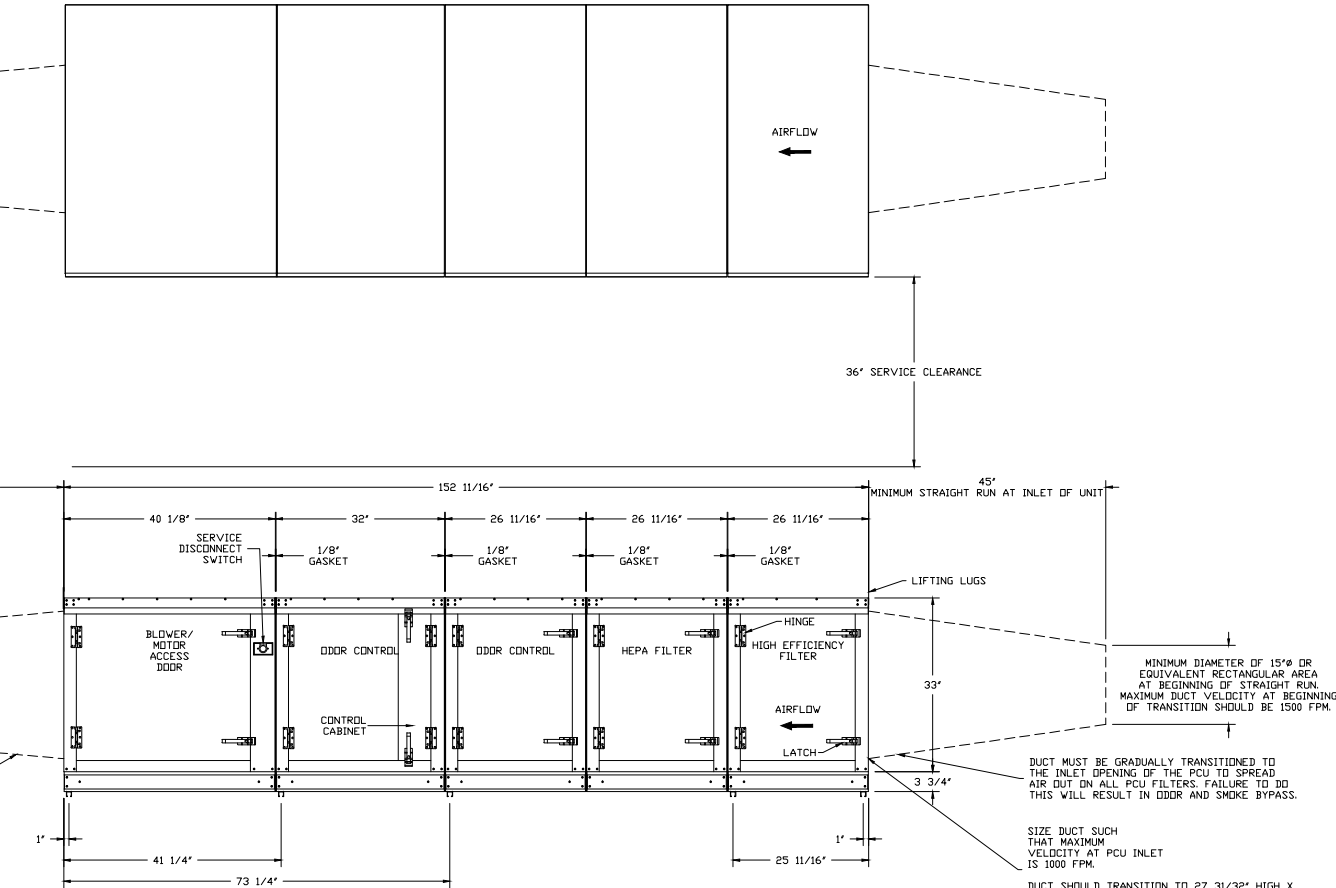


PCU FILTER SPECIFICATIONS					
DESIGN CFM - 1800					
MODULE	FILTER TYPE	FILTER EFFICIENCY	QTY	SIZE	S.P.(Clean) (in.W.C)
1	High Efficiency	MERV 15	6	20X25X4	0.099
2	HEPA	MERV 18	6	20X25X4	0.380
3	DC 100% Carbon	N/A	6	20x25x4	0.0233
4	DC 100% Carbon	N/A	6	20x25x4	0.0233
					0.0945

DESCRIPTION:
FAN #1 KB14 - EXHAUST FAN - POLLUTION CONTROL UNIT. HIGH EFFICIENCY MERV 15 FILTER MODULE, HEPA MODULE, AND DUAL ODOR CONTROL MODULES. SIZE 2. DOES NOT INCLUDE FAN.



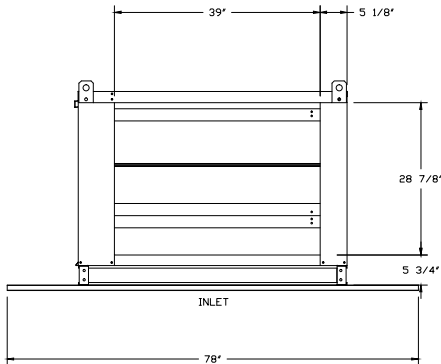
- NOTES:
- ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.
 - C/US UL710 LISTED FOR GREASE DUCT INSTALLATION
 - PCU EXHAUST FAN WITH 14 INCH WHEEL. UL762 LISTED. SIZE 2.
 - WHEN USED IN KITCHEN GREASE DUCT, UNIT MUST BE INSTALLED DOWNSTREAM OF A LISTED HOOD ASSEMBLY OF A UL710 LISTED HOOD ASSEMBLY OR A NFPA 96 COMPLIANT HOOD AS LONG AS IT IS INSTALLED WITH A FIRE SUPPRESSION SYSTEM THAT IS INTERLOCKED WITH THE NFPA 96 COMPLIANT HOOD FIRE SYSTEM.
 - CLEARANCE ON FILTER ACCESS SIDE OF THE PCU SHOULD BE A MINIMUM OF 36" FOR PROPER SERVICE OF THE UNIT. ALL OTHER SIDES SHOULD FOLLOW CLEARANCE TO COMBUSTIBLE GUIDELINES PER CODE.
 - UNIT CONTAINS PRESSURE MONITORING SWITCH. REFER TO ELECTRICAL SCHEMATIC OR OPERATION MANUAL FOR MORE INFORMATION.
 - 1/2" NPT DRAIN SUPPLIED IN EACH MODULE BASE. CONNECT INDIVIDUAL DRAINS TO A COMMON 2" DRAIN AND ROUTE TO GREASE INTERCEPTOR.
 - FIRE SYSTEM TO BE INSTALLED INDOORS OR IN A WEATHERTIGHT ENCLOSURE MAINTAINED BETWEEN 32" AND 130" F.THIS ENCLOSURE IS PROVIDED BY OTHERS.



- PCU OPTIONS:
- INDOOR HANGING CRADLE FOR SIZE 2 PCU WITH 3 OR 4 MODULES AND BLOWER. 5 PIECES OF UNI-STRUT, 78 INCHES LONG EACH. 2 HSA200 HANGING ISOLATORS PER UNI-STRUT INCLUDED. FOR USE WITH KB BLOWERS.
- DWYER AIR FLOW SWITCH, BACK PLATE WITH LABEL, AIRLINES/ QUICK CONNECTS/ AIR PROBES, CONDUIT/ FITTINGS AND QUICK SEAL.



PLEASE REFER TO ADDITIONAL INLET NOTES 1-3



NOTES:
PROVIDE (2) 2x6 WOOD BLOCKING W/ JOIST HANGERS TO EXISTING FRAMING TO SUPPORT MECHANICAL HANGERS.

- INLET NOTES:
- LENGTH OF STRAIGHT DUCT ON INLET OF PCU TO BE 3 TIMES THE EQUIVALENT DUCT DIAMETER TO AVOID SYSTEM EFFECT.
 - MAX INLET DUCT VELOCITY TO BE 1000 FPM INTO THE PCU. DUCTWORK SHOULD BE SIZED APPROPRIATELY.
 - DUCT MUST BE GRADUALLY TRANSITIONED TO THE INLET OPENING OF THE PCU TO SPREAD AIR OUT ON ALL PCU FILTERS. FAILURE TO DO THIS WILL RESULT IN ODOR AND SMOKE BYPASS.
- A SERVICE PLATFORM MUST BE INSTALLED ON THE FILTER SIDE OF THE UNIT FOR PROPER FILTER MAINTENANCE.
-THE PLATFORM MUST BE THE SAME LENGTH AS THE PCU AND AT LEAST 3 FEET WIDE.
-THE PLATFORM MUST BE STRUCTURALLY SUPPORTED BY THE BUILDING, INDEPENDENT OF THE PCU.
-THE PLATFORM MUST BE DESIGNED TO PROPERLY SUPPORT THE WEIGHT OF ALL PCU FILTERS AND MAINTENANCE PERSONNEL.
-HANDRAILS MUST BE INSTALLED ON THE SERVICE PLATFORM TO PROTECT MAINTENANCE PERSONNEL.

CLIENT DATA

&pizza

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NO	BY	DESCRIPTION	DATE
1	JDB	REVISED PER CLIENT COMMENTS	22 FEB 2015
2	JDB	REVISED PER CLIENT COMMENTS	23 FEB 2015
3	JDB	REVISED PER CLIENT COMMENTS	23 MAR 2015
4	JDB	REVISED FOR ALTERNATE EQUIPMENT LAYOUT	27 APR 2015
5	JDB	REVISED FOR REVIEW COMMENTS, ALT. HVAC LAYOUT	28 JULY 2015
6	JDB	REVISED PER CLIENT COMMENTS	13 NOV 2015
7	JDB	REVISED PER CLIENT COMMENTS	30 NOV 2015
8	JDB	REVISED PER ANC COMMENTS	3 FEB 2016



PROJECT LOCATION

&pizza
TENANT INSTALLATION
405 6TH STREET SE
BARRACKS ROW
WASHINGTON D.C. 20003

LOT 0036 OF SQUARE 0902

TITLE

MECHANICAL DETAILS

PROJ. #	14-0326	DATE	11/13/15
CAD ID.	H0326M4-0	DRN BY	JDB
SCALE	AS NOTED	CHK BY	MWM

M-4.0

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