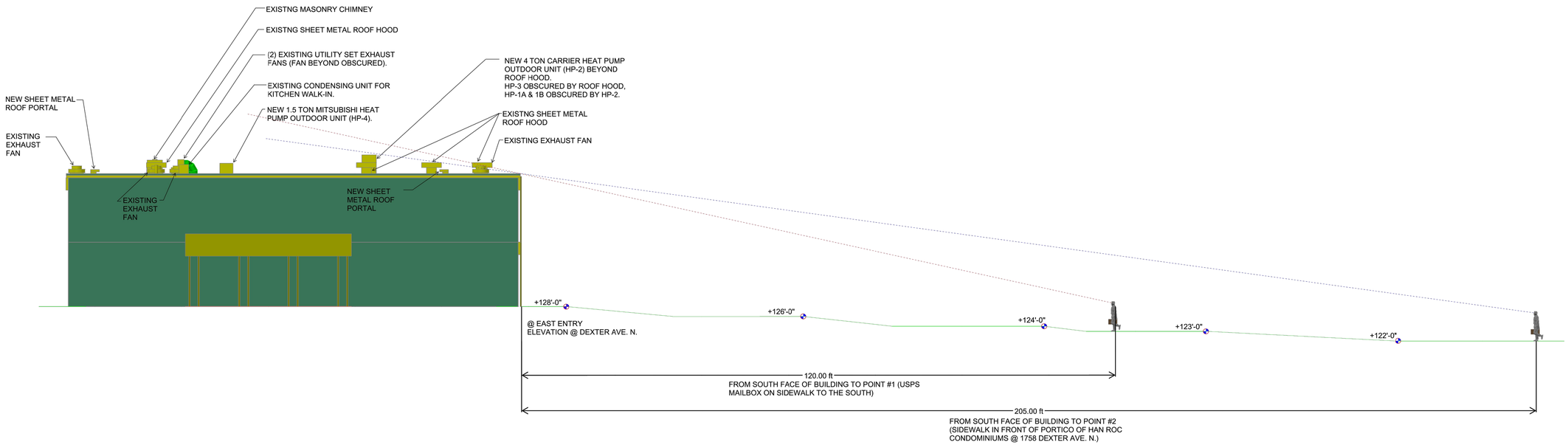
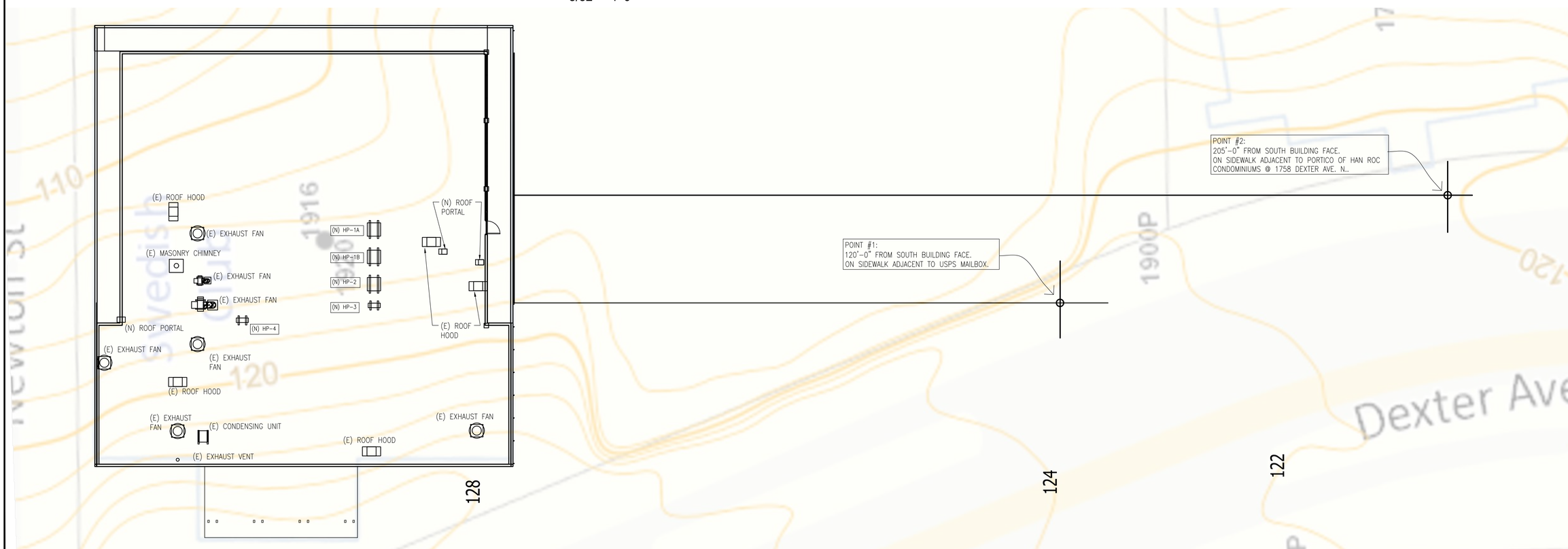


WEST ELEVATION

3/32" = 1'-0"



SITE PLAN W/ CONTOURS

3/32" = 1'-0"

Performance Mechanical Group

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1017 GOVERNOR AVENUE SOUTH, KENT, WA. 98032
(425)-277-9-4 FAX (425)-277-9-5 EMAIL: INFO@PERFORMANCEMG.COM
STATE CONTRACTOR LICENSE NUMBER: PERFOMA1067

DATE	REVISIONS

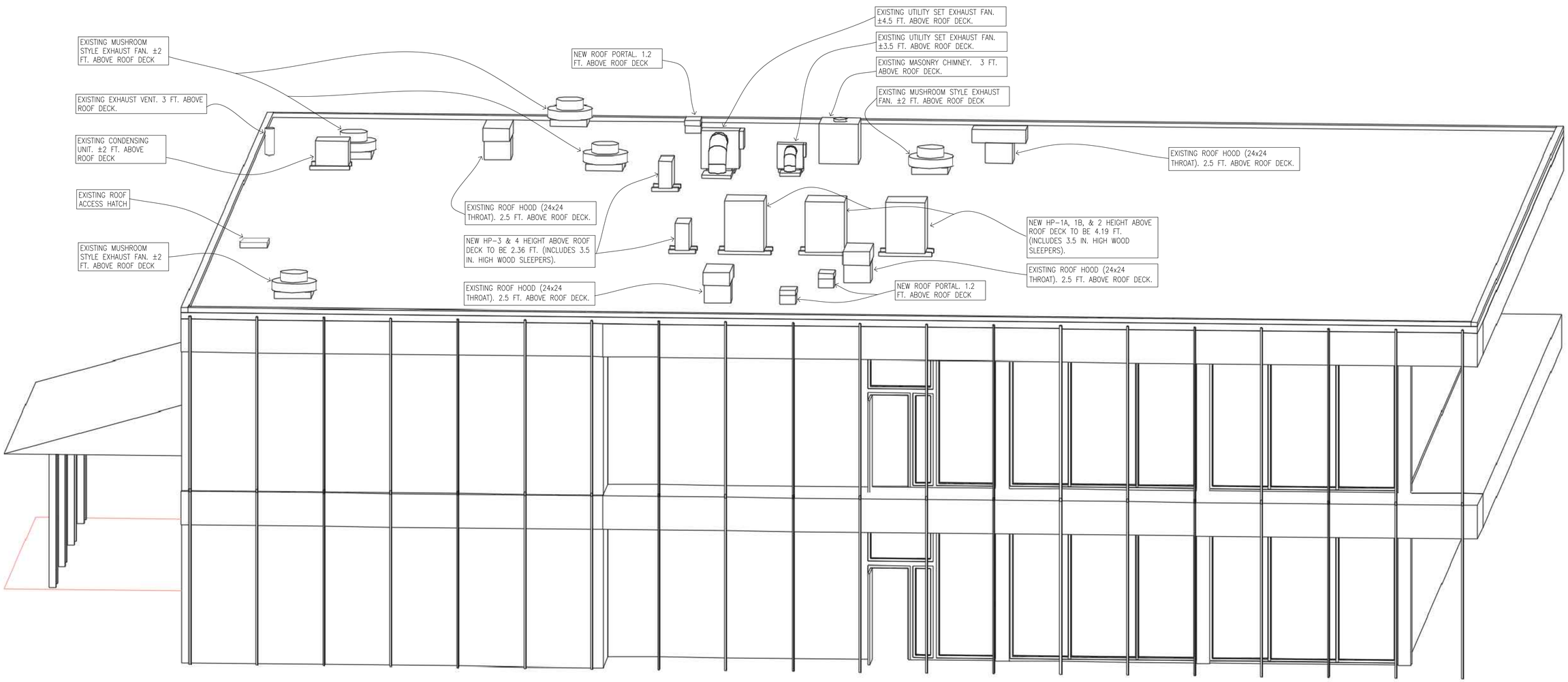
LANDMARKS PRESERVATION BOARD REVIEW EXHIBITS

HVAC System Retrofit
1920 Dexter Avenue North, Seattle, WA 98107

DATE:	
DRAWN:	MS
ENGR:	MS
APPVD:	
JOB NUMBER:	118734

LPB-1

SHEET 1 OF 2



SOUTH ELEVATION - PERSPECTIVE VIEW

NO SCALE

Performance
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DATE

REVISIONS

LANDMARKS PRESERVATION BOARD REVIEW EXHIBITS

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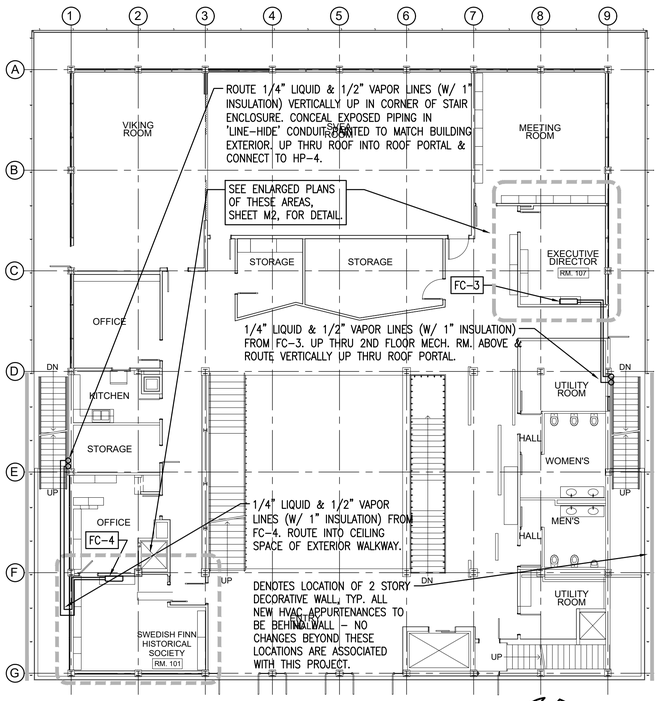
HVAC System Retrofit
1920 Dexter Avenue North, Seattle, WA 98107

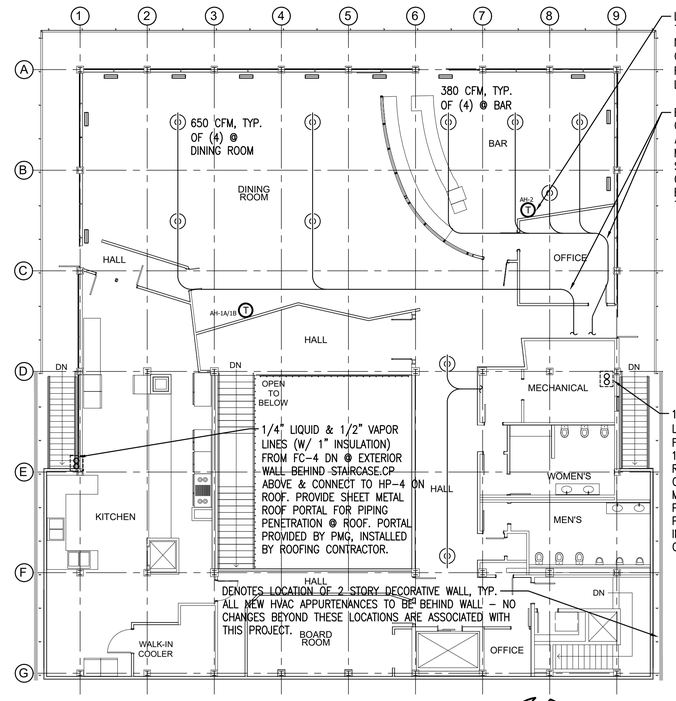
DATE:	
DRAWN:	MS
ENGR:	MS
APPVD:	
JOB NUMBER:	118734

LPB-2
SHEET 2 OF 2



1st FLOOR PLAN - HVAC

SCALE: 3/32" = 1'-0"



2nd FLOOR PLAN - HVAC

SCALE: 3/32" = 1'-0"

1920 Dexter Avenue North

VICINITY MAP

NO SCALE

SOUND POWER LEVELS:

HP-1A, 1B, & 2B: 73.0 dB(A)

HP-3: 59.0 dB(A)

HP-4: 62.0 dB(A)

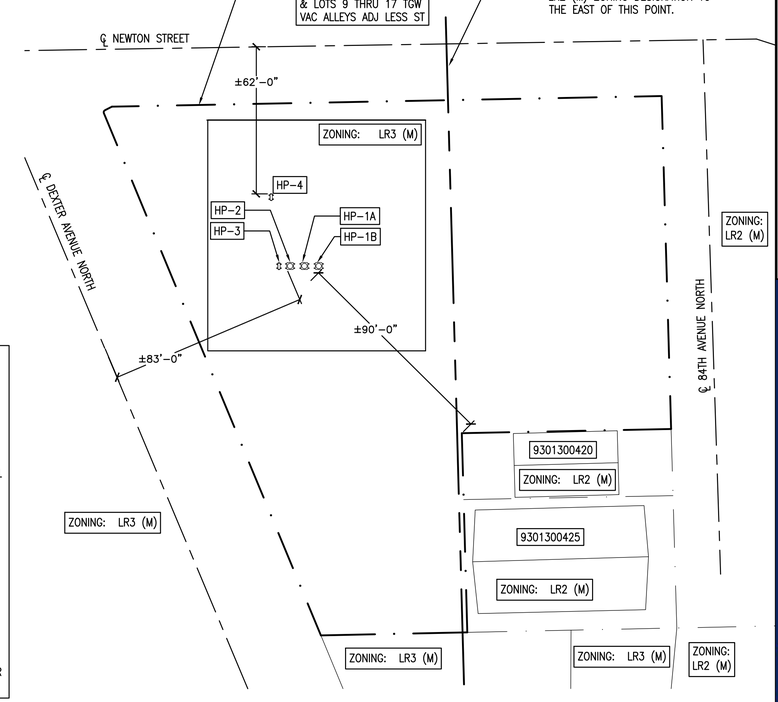
PARCEL NO.:

930130-0445

LEGAL DESCRIPTION:

WESTLAKE BOULEVARD ADD ALL LOTS 1 THRU 5 & LOTS 9 THRU 17 TGW VAC ALLEYS ADJ LESS ST

NOTE:
POINT OF DELINEATION BETWEEN ZONING DESIGNATIONS FOR PARCEL 930130-0445. PARCEL HAS LR3 (M) ZONING DESIGNATION TO THE WEST OF THIS POINT & LR2 (M) ZONING DESIGNATION TO THE EAST OF THIS POINT.



SITE PLAN

1" = 30'-0"

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT NO.	MFCR./MODEL	DESCRIPTION	COOLING CAPACITY BTUH TOTAL	COOLING CAPACITY BTUH SENSIBLE	SEER2	HEATING CAPACITY BTUH (@47°F)	HSPF2	SUPPLY FAN CFM	SUPPLY FAN ESP (WC)	[7]ELECTRICAL VOLT/PH	[7]ELECTRICAL MCA	[7]ELECTRICAL MOCP	WEIGHT LBS.	NOISE Db(A)	NOTES
HP-1A & 1B	CARRIER/25TPA748A003	AIR-COOLED HEAT PUMP OD UNIT	45,260	32,000	16.5	46,460	8.1	-	-	208/230/1ø	33.5	50	280	73	3, 4, 5, 6
HP-2	CARRIER/25TPA748A003	AIR-COOLED HEAT PUMP OD UNIT	46,470	35,090	16.5	47,380	8.1	-	-	208/230/1ø	33.5	50	280	73	3, 5,
AH-1A & 1B	CARRIER/FV4CNB005L00	VERTICAL MULTI POISE AIR HANDLER	4	4	4	4	4	1260	0.5"	208/230/1ø	44.7	45	150	N/A	3, 4, 5, 6
AH-2	CARRIER/FV4CNB005L00	VERTICAL MULTI POISE AIR HANDLER	4	4	4	4	4	1520	0.5"	208/230/1ø	44.7	45	150	N/A	3, 5,

NOTES:
1. NOT USED
2. PROVIDE W/ NEW CONDENSATE PUMP
3. ELECTRICIAN TO PROVIDE DISCONNECT SWITCHES FOR ALL INDOOR & OUTDOOR UNITS
4. AHRI RATED CARRIER COMBINATION OF 25TPA748A003/FV4CNB005L00, AHRI CERTIFICATION NO. 206348137
5. SPLIT SYSTEMS EXEMPT FROM ECONOMIZER REQUIREMENTS PER SEC SECTION C403.5, EXCEPTION #1.
6. PROVIDE Ø-TWIN CONTROL KIT TO ALLOW HP-1A & 1B/AH-1A & 1B SPLIT SYSTEMS TO OPERATE IN PARALLEL AND BE CONTROLLED FROM A SINGLE THERMOSTAT.

MINI SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT NO.	MFCR./MODEL	DESCRIPTION	COOLING CAPACITY BTUH	SEER	HEATING CAPACITY BTUH (@47°F)	HSPF	SUPPLY FAN CFM	SUPPLY FAN ESP (WC)	[7]ELECTRICAL VOLT/PH	[7]ELECTRICAL MCA	[7]ELECTRICAL MOCP	WEIGHT LBS.	NOISE Db(A)	NOTES
HP-3	CARRIER/38MARBQ18AA3	AIR-COOLED HEAT PUMP OD UNIT	18,000	21.5	18,000	13.0	-	-	208/230/1ø	16	25	101	59	3, 4, 6
HP-4	CARRIER/38MARBQ24AA3	AIR-COOLED HEAT PUMP OD UNIT	24,000	21.5	24,000	12.0	-	-	208/230/1ø	25	35	135	62	3, 5, 6
FC-3	CARRIER/40MAHBQ18XA3	WALL MOUNT FAN COIL	4	4	4	4	306/376/524/635	N/A	208/230/1ø	0.2	N/A	27	N/A	2, 3, 4, 6, 7
FC-4	CARRIER/40MAHBQ24XA3	WALL MOUNT FAN COIL	5	5	5	5	319/414/611/719	N/A	208/230/1ø	0.625	N/A	44	N/A	2, 3, 5, 6, 7

NOTES:
1. NOT USED
2. PROVIDE W/ NEW CONDENSATE PUMP
3. ELECTRICIAN TO PROVIDE DISCONNECT SWITCHES FOR ALL INDOOR & OUTDOOR UNITS
4. AHRI RATED CARRIER COMBINATION OF 38MARBQ18AA3/40MAHBQ18XA3, AHRI CERTIFICATION NO. 206348137
5. AHRI RATED CARRIER COMBINATION OF 38MARBQ24AA3/40MAHBQ24XA37, AHRI CERTIFICATION NO. 206188260
6. SPLIT SYSTEMS EXEMPT FROM ECONOMIZER REQUIREMENTS PER SEC SECTION C403.5, EXCEPTION #1.
7. INDOOR WALL MOUNT FAN COIL POWERED BY HEAT PUMP OD UNIT.

MIN. OUTSIDE AIR QUANTITIES - 2018 SMC TABLE TABLE 403.3.1.1 REQUIREMENTS

ROOM	OCCUPANCY CLASS	ZONE AREA (SQ. FT.)	[1]OCCUPANTS QUANTITY	PEOPLE RATE (CFM/PERSON)	AREA RATE (CFM/SQ. FT.)	TOTAL PEOPLE RATE (CFM)	TOTAL AREA RATE (CFM)	ZONE OSA TOTAL (CFM)
Dining Room	Food & Beverage Service	1689	63	7.5	0.18	473	304	777
Bar	Food & Beverage Service	766	37	7.5	0.18	278	138	415
Office 101	Office Spaces	250	3	5	0.06	15	15	30
Office 107	Office Spaces	185	4	5	0.06	20	11	31
								1253

NOTES:
1. OCCUPANTS FOR DINING ROOM AND BAR ARE FROM EXISTING SEATING PLAN - DEFAULT OCCUPANT DENSITIES FROM TABLE 403.3.1.1 NOT USED. DINING ROOM AND BAR ARE FOR PRIVATE FUNCTIONS AND NOT FOR TYPICAL COMMERCIAL RESTAURANT USE. MINIMUM CALCULATED RATES HERE COMPLY WITH SMC SECTION 403.3.1.1, EXCEPTION 1 REQUIREMENTS - NOT LESS THAN ONE-HALF OF CALCULATED TABLE 403.3.1.1 REQUIREMENTS.
2. MINIMUM OUTSIDE AIR DELIVERED TO SPACES WITH NEW ENERGY RECOVERY VENTILATORS (ERV); 1200 CFM ERV TO SERVE DINING ROOM & BAR, 50 CFM ERV TO SERVE OFFICE 101, & 50 CFM ERV TO SERVE OFFICE 107.

CODE COMPLIANCE NOTES:

1. DAMPERS TO COMPLY WITH SEC SECTION C403.7.8.1 REQUIREMENTS FOR CLASS I MOTORIZED DAMPERS.
2. AH-1A, 1B, & 2 TO COMPLY WITH SEC SECTION C403.1.4 EXCEPTIONS #5 & #6 FOR ELECTRIC RESISTANCE HVAC EQUIPMENT. ELECTRIC RESISTANCE HEAT COMPLIES WITH ALL REQUIREMENTS FOR USE FOR DEFROST & SUPPLEMENTAL HEAT
3. NEW SPLIT SYSTEM HEAT PUMPS MEET THE REQUIREMENTS OF SEC TABLE C403.3.2(2).
4. PROVIDE DUCT SMOKE DETECTORS IN COMPLIANCE WITH SMC SECTION 606.2.
5. AH-1A, 1B, & 2 TO COMPLY WITH SEC SECT 403.8.5.1 REQUIREMENTS FOR FAN AIRFLOW CONTROL.
6. (5) NEW SPLIT-SYSTEM HEAT PUMPS ARE EXEMPT FROM ECONOMIZER REQUIREMENTS PER SEC SECTION C403.6, EXCEPTION #1.

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STATE CONTRACTOR LICENSE NUMBER: PERFOMG1977

DATE

REVISIONS

EQUIPMENT SCHEDULES
SITE PLAN
& GENERAL INFORMATION

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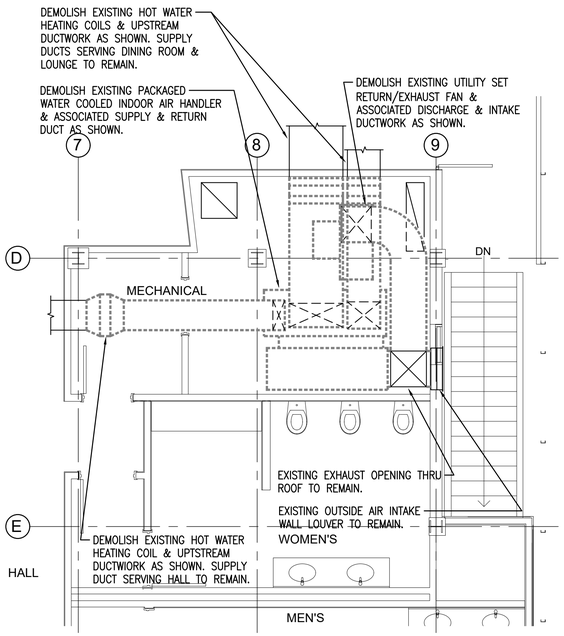
HVAC System Retrofit
1920 Dexter Avenue North, Seattle, WA 98107

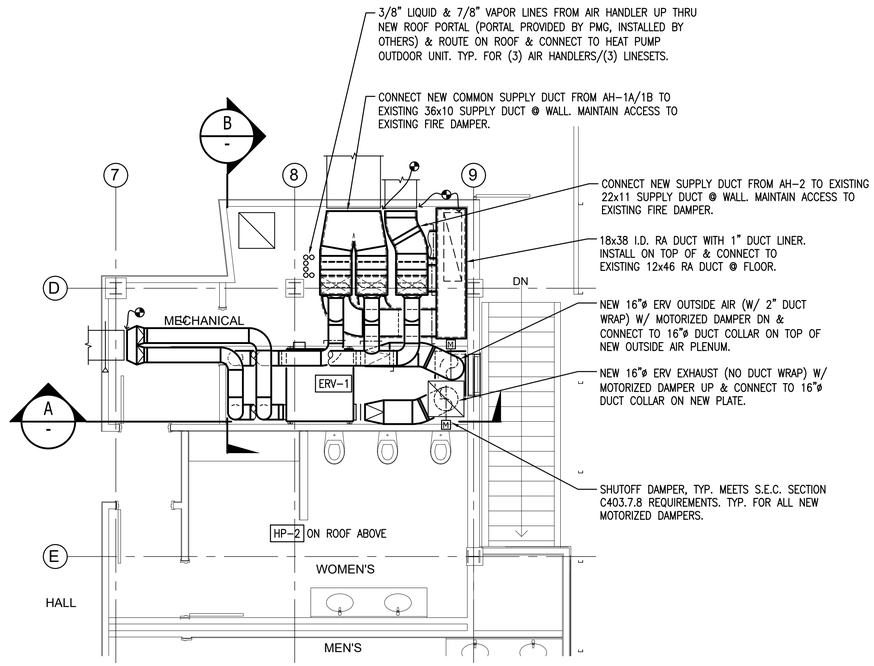
DATE: 7/1/2023
DRAWN: MS
ENGR: MS
APPVD:
JOB NUMBER: 118734

M1
SHEET 1 OF 4



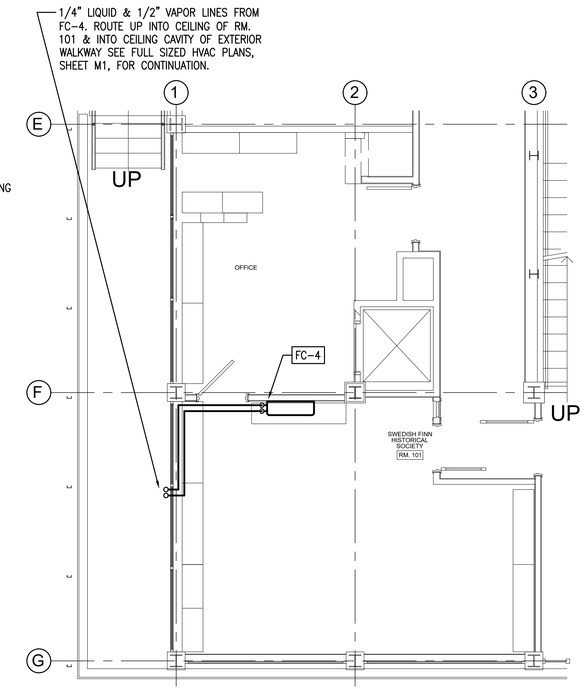
MECHANICAL ROOM PLAN 2nd FLOOR - DEMO

SCALE: 1/4 = 1'-0"



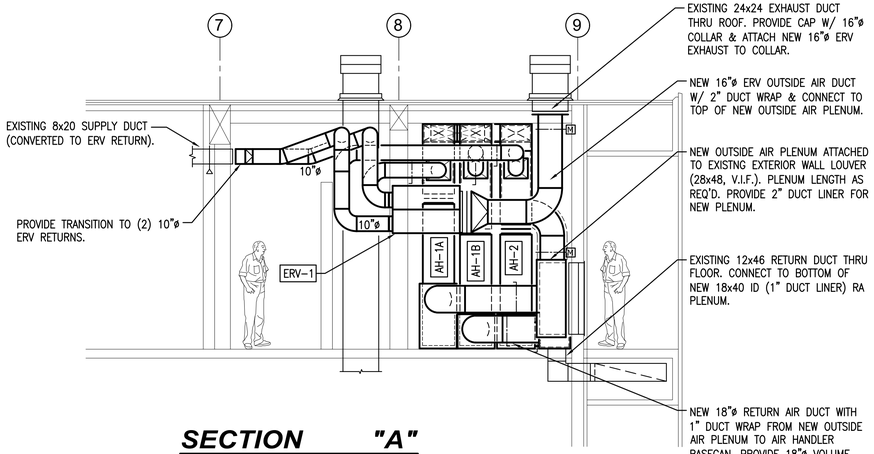
MECHANICAL ROOM PLAN 2nd FLOOR - NEW

SCALE: 1/4 = 1'-0"



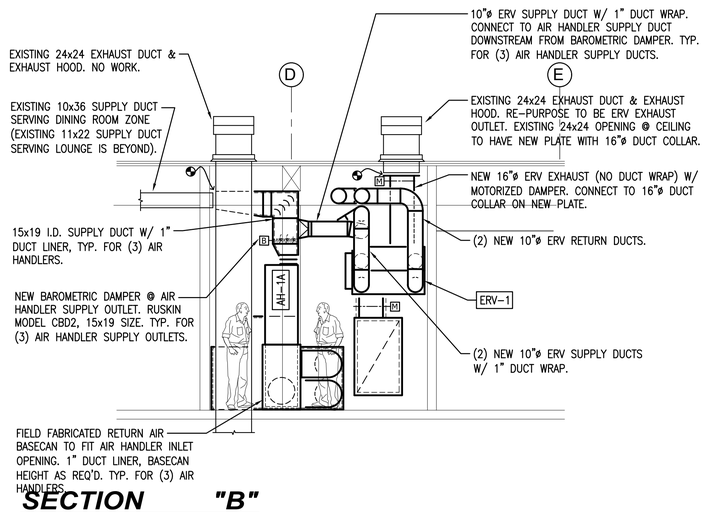
RM. 101 - NEW HVAC

SCALE: 1/4 = 1'-0"



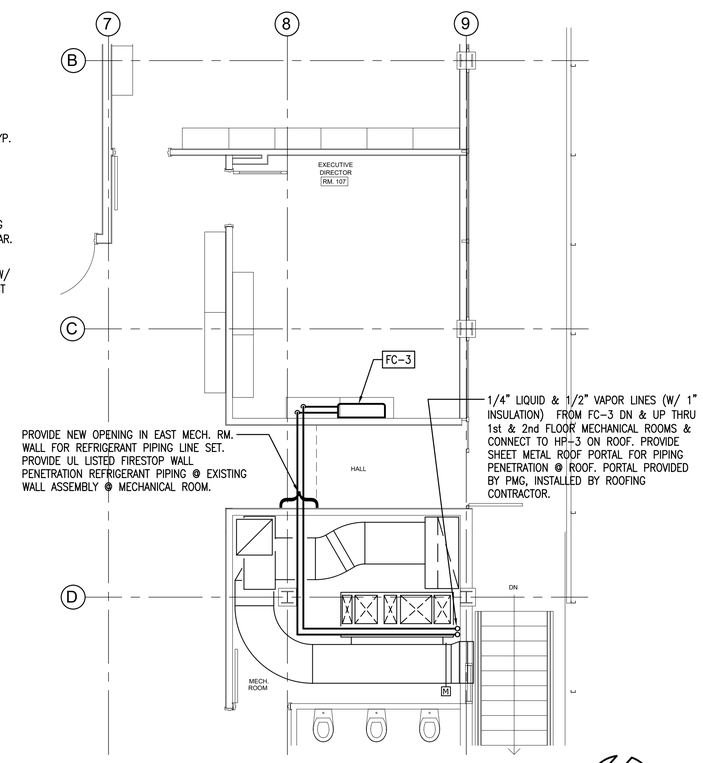
SECTION "A"

1/4" = 1'-0"



SECTION "B"

1/4" = 1'-0"



RM. 107 - NEW HVAC

SCALE: 1/4 = 1'-0"

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DATE	REVISIONS

HVAC PLANS & SECTIONS

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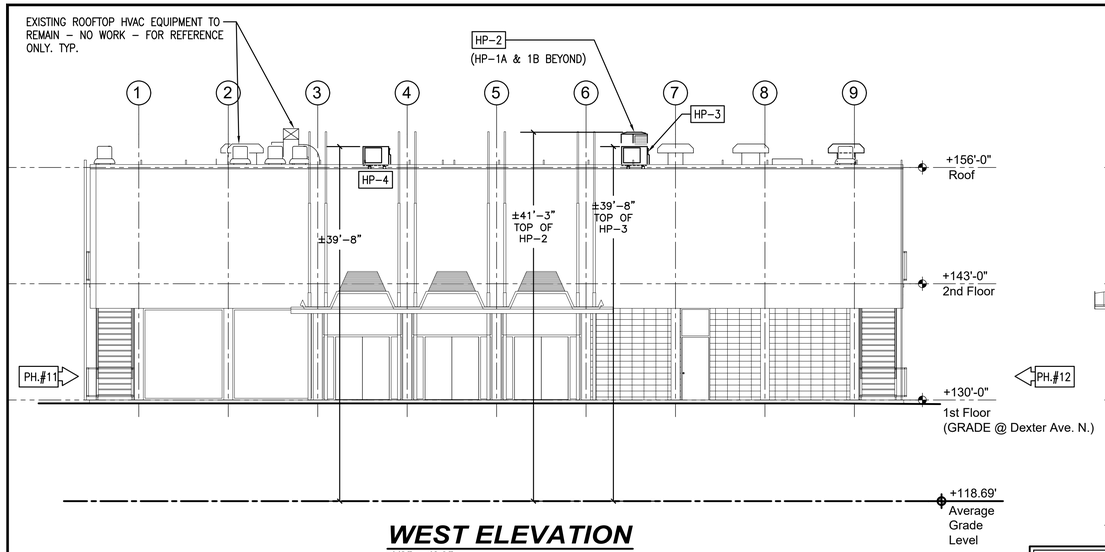
HVAC System Retrofit
1920 Dexter Avenue North, Seattle, WA 98107

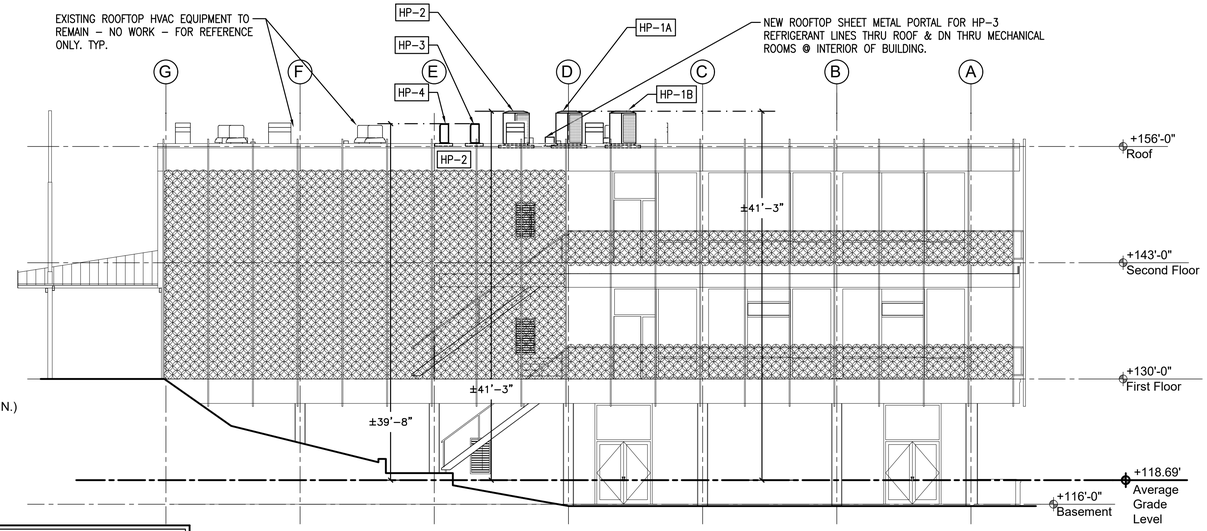
DATE:	7/1/2023
DRAWN:	MS
ENGR:	MS
APPVD:	
JOB NUMBER:	118734

M2

SHEET 2 OF 4



WEST ELEVATION
1/8" = 1'-0"

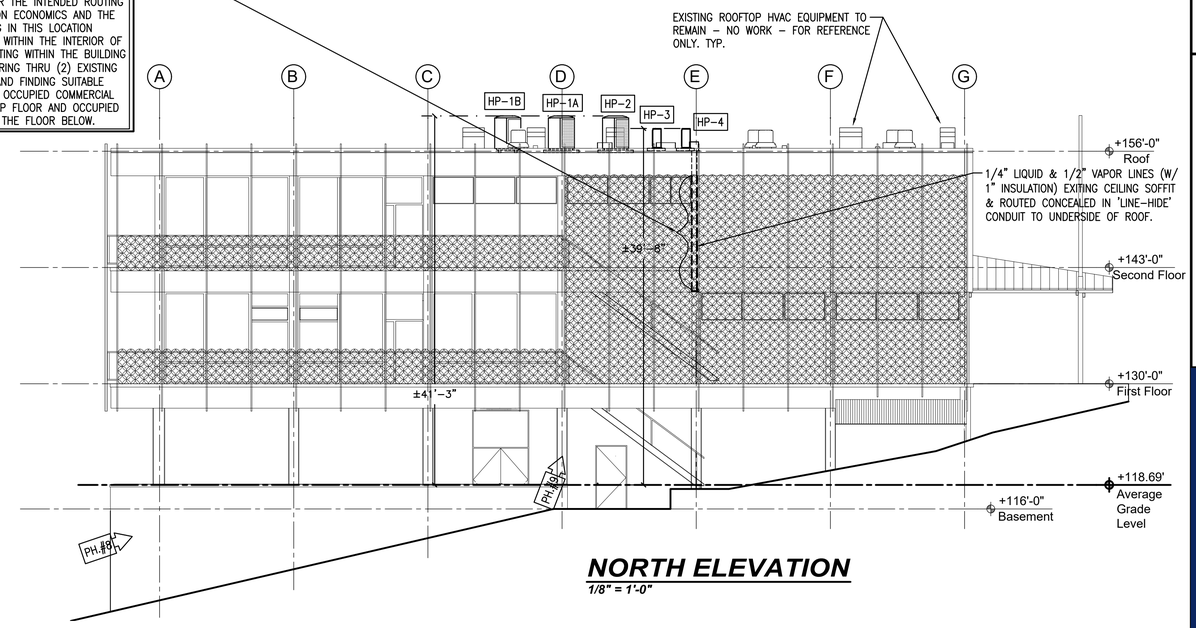


SOUTH ELEVATION
1/8" = 1'-0"

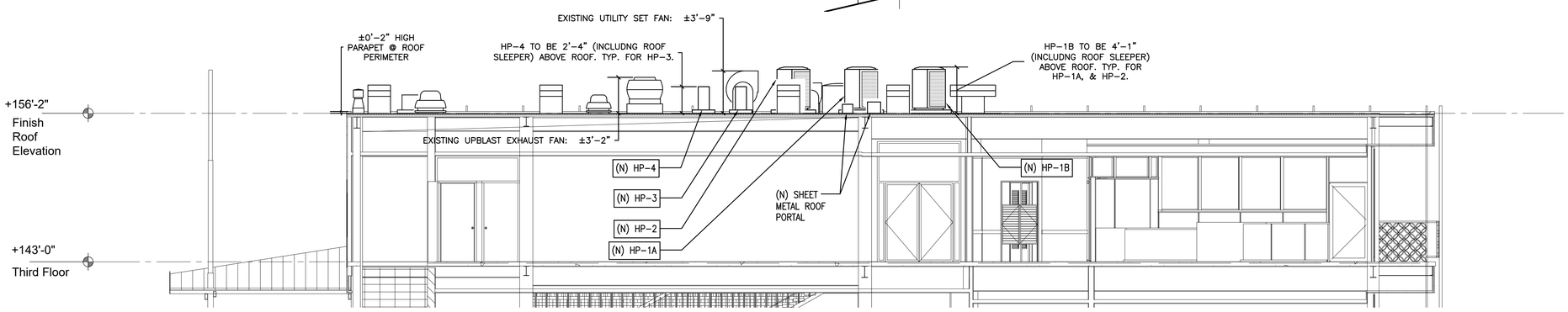
NOTE:
THIS VERTICAL PORTION OF INSULATED REFRIGERATION PIPING IS PROPOSED TO BE ROUTED AT THE EXTERIOR OF THE BUILDING. THE REASONING FOR THE INTENDED ROUTING IS SOLELY BASED ON ECONOMICS AND THE EASE OF INSTALLING IN THIS LOCATION VERSUS INSTALLING WITHIN THE INTERIOR OF THE BUILDING. ROUTING WITHIN THE BUILDING REQUIRES HOLE CORING THRU (2) EXISTING CONCRETE DECKS AND FINDING SUITABLE ROUTING THRU THE OCCUPIED COMMERCIAL KITCHEN AT THE TOP FLOOR AND OCCUPIED ADMIN. OFFICES AT THE FLOOR BELOW.

ROOFTOP HEAT PUMP OUTDOOR UNIT (HP-1A, 1B, & 2)

ROOFTOP HEAT PUMP OUTDOOR UNIT (MINI SPLIT HP-3&4)



NORTH ELEVATION
1/8" = 1'-0"



SECTION D
3/16" = 1'-0"
M4

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1017 CENTRAL AVENUE SOUTH, KENT, WA. 98032
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REVISIONS		DATE
2	SDCI ZONING REVIEW CORRECTIONS	

EXTERIOR ELEVATIONS

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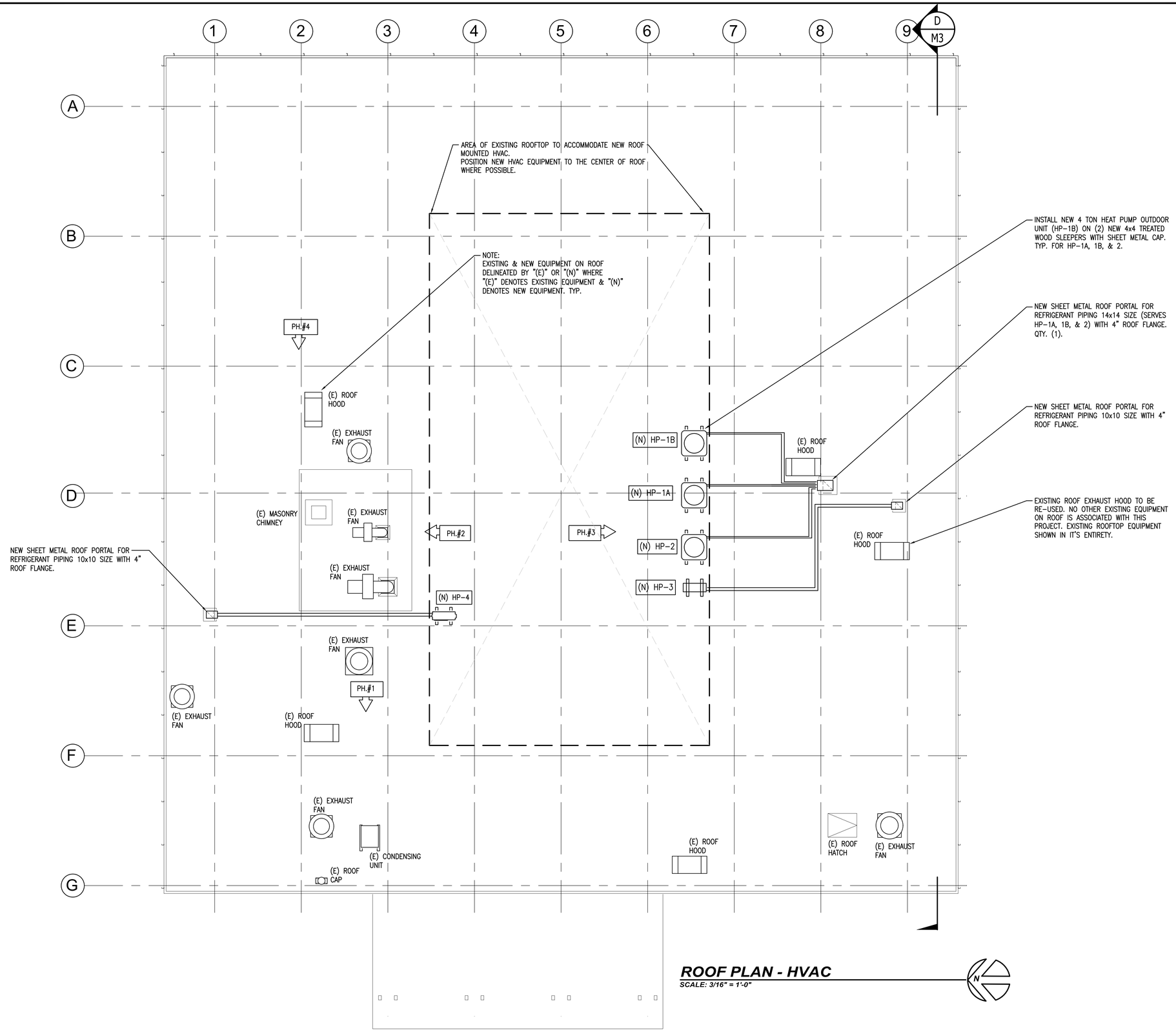
HVAC System Retrofit
1920 Dexter Avenue North, Seattle, WA 98107

DATE: 7/1/2023
DRAWN: MS
ENGR: MS
APPVD:
JOB NUMBER: 118734

M3
SHEET 3 OF 4



ROOF PLAN - HVAC

SCALE: 3/16" = 1'-0"

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DATE	REVISIONS

ROOF PLAN - HVAC
SITE PLAN
& GENERAL INFORMATION

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1920 Dexter Avenue North, Seattle, WA 98107

DATE:	7/1/2023
DRAWN:	MS
ENGR:	MS
APPVD:	
JOB NUMBER:	118734

M4
SHEET 4 OF 4

Existing roof to be altered with the addition of (5) new HVAC condensing units mounted on 4x4 wood sleepers. (3) sheet metal roof portals will be installed on roof to provide path for utilities required for new condensing units. See Mechanical Plans for detail.


1
AMERICAN COLAIR CORP.
WATERTOWN, N.Y.
MADE IN USA


2


3
Connector


4


5a
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL
THE SWEDISH CLUB


taken at 2nd Floor
5b
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL


6a
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL
EDISH CLUB


6b
taken at 2nd Floor
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL


6c
taken at 1st Floor
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL

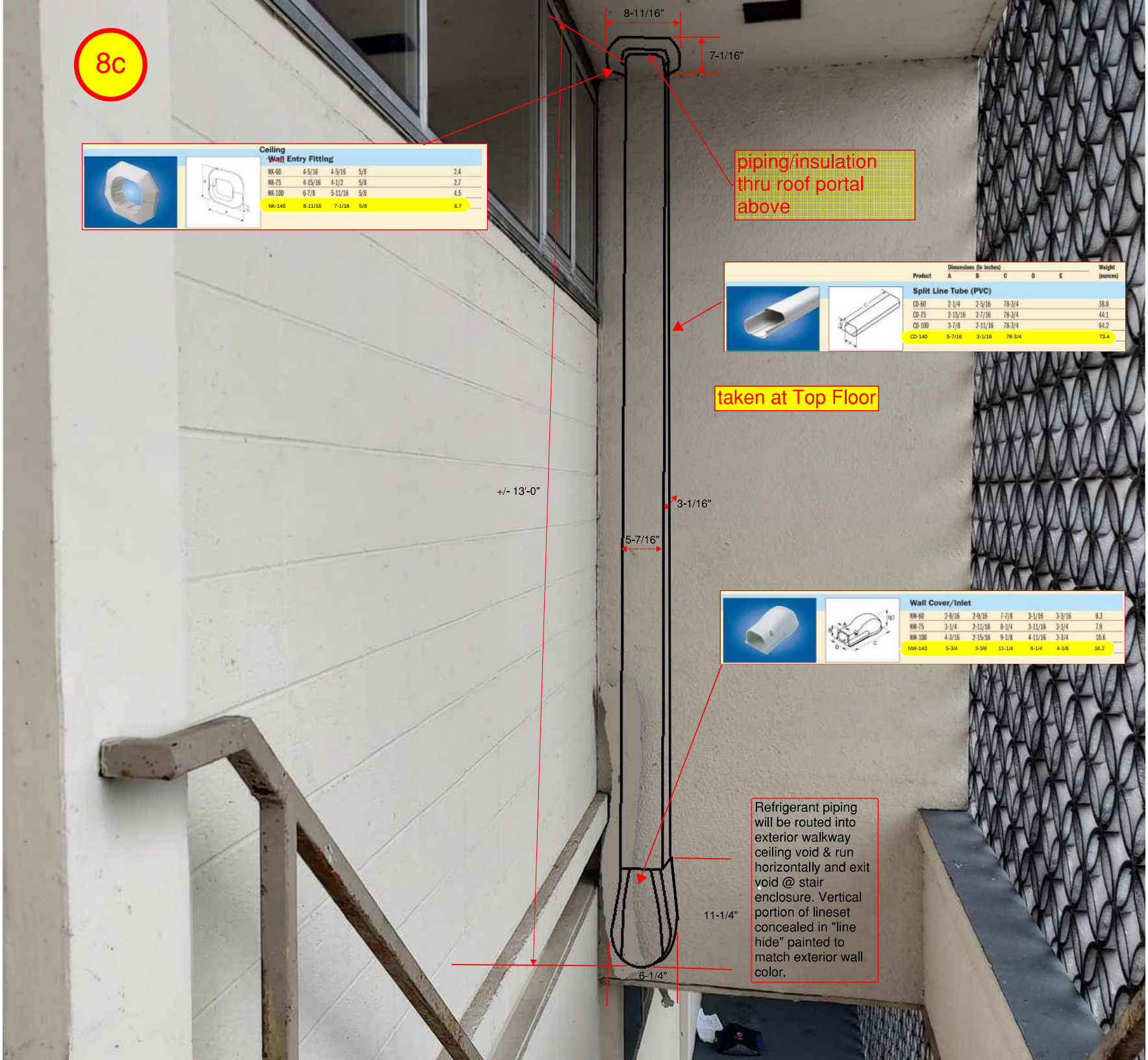

dish club
7a
NOT USED - NO NEW MECHANICAL ON SOUTH EXTERIOR WALL


7b
NOT USED - NO NEW MECHANICAL
ON SOUTH EXTERIOR WALL
taken at 2nd Floor

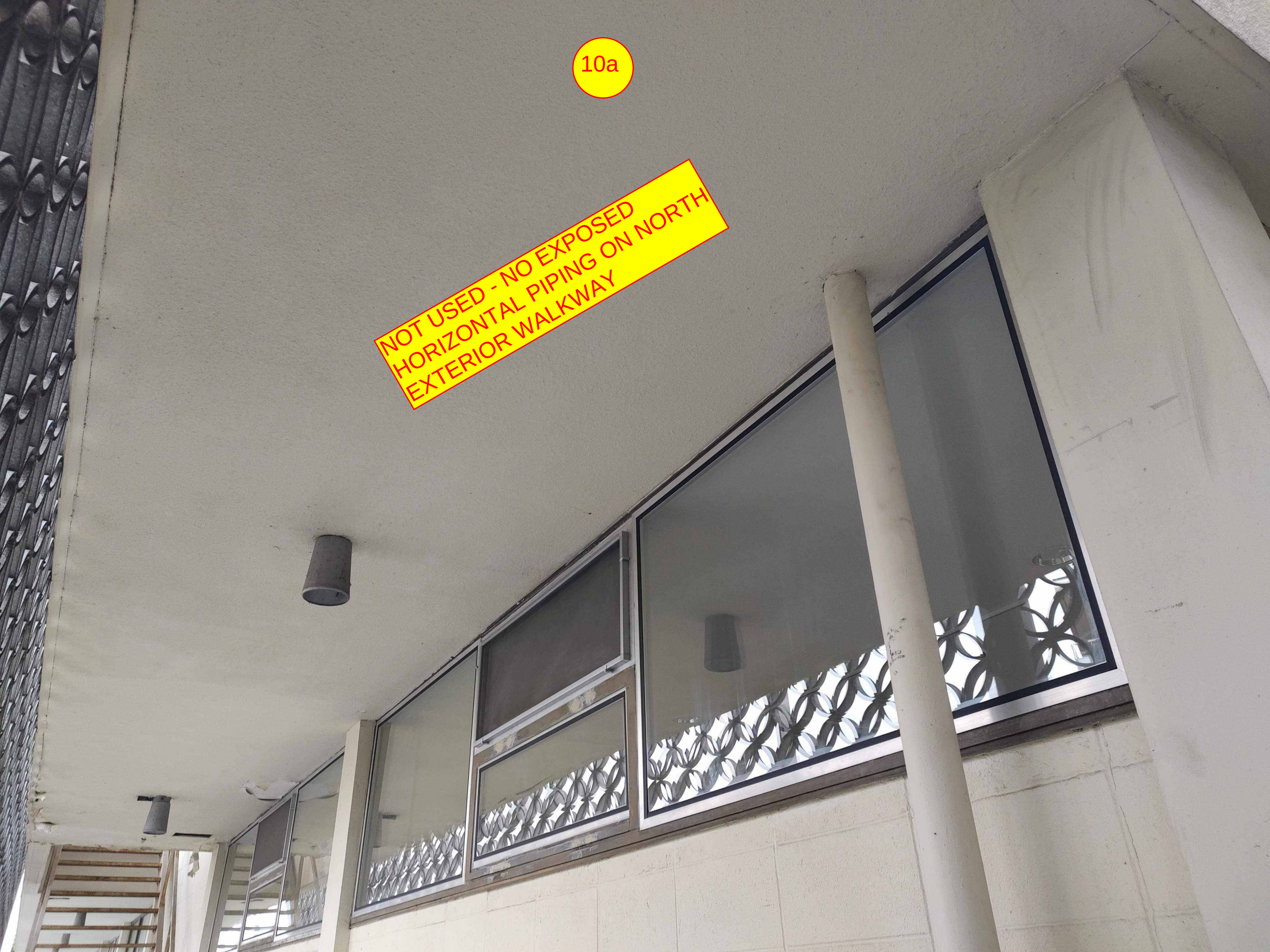

8a
Approximate location of vertical 'line hide' beyond existing decorative facade. Line hide to be painted to match exterior wall color.
CQV2599


8b

8c


8-11/16"
7-1/16"
piping/insulation thru roof portal above
Ceiling
Wall Entry Fitting
NK-60 4-5/16 4-5/16 5/8 2.4
NK-75 4-15/16 4-1/2 5/8 2.7
NK-100 6-7/8 5-11/16 5/8 4.5
NK-140 8-11/16 7-1/16 5/8 6.7
Dimensions (in inches)
Product A B C D E Weight (ounces)
Split Line Tube (PVC)
CD-60 2-1/4 2-5/16 78-3/4 38.8
CD-75 2-15/16 2-7/16 78-3/4 44.1
CD-100 3-7/8 2-11/16 78-3/4 64.2
CD-140 5-7/16 3-1/16 78-3/4 73.4
taken at Top Floor
+/- 13'-0"
3-1/16"
5-7/16"
Wall Cover/Inlet
NW-60 2-9/16 2-9/16 7-7/8 3-1/16 3-3/16 6.3
NW-75 3-1/4 2-11/16 8-1/4 3-11/16 3-1/4 7.9
NW-100 4-3/16 2-15/16 9-1/8 4-11/16 3-3/4 10.6
NW-140 5-3/4 3-3/8 11-1/4 6-1/4 4-1/8 16.2
Refrigerant piping will be routed into exterior walkway ceiling void & run horizontally and exit void @ stair enclosure. Vertical portion of lineset concealed in "line hide" painted to match exterior wall color.
11-1/4"
6-1/4"

9a


10a
NOT USED - NO EXPOSED
HORIZONTAL PIPING ON NORTH
EXTERIOR WALKWAY


10b
NOT USED - NO EXPOSED
HORIZONTAL PIPING ON NORTH
EXTERIOR WALKWAY


10c
NOT USED - NO EXPOSED
HORIZONTAL PIPING ON NORTH
EXTERIOR WALKWAY
PRIVATE
PROPERTY
NO
TRESPASSING


10d


11


12
THE SWEDISH CLUB
Swedish lunches
BINGO

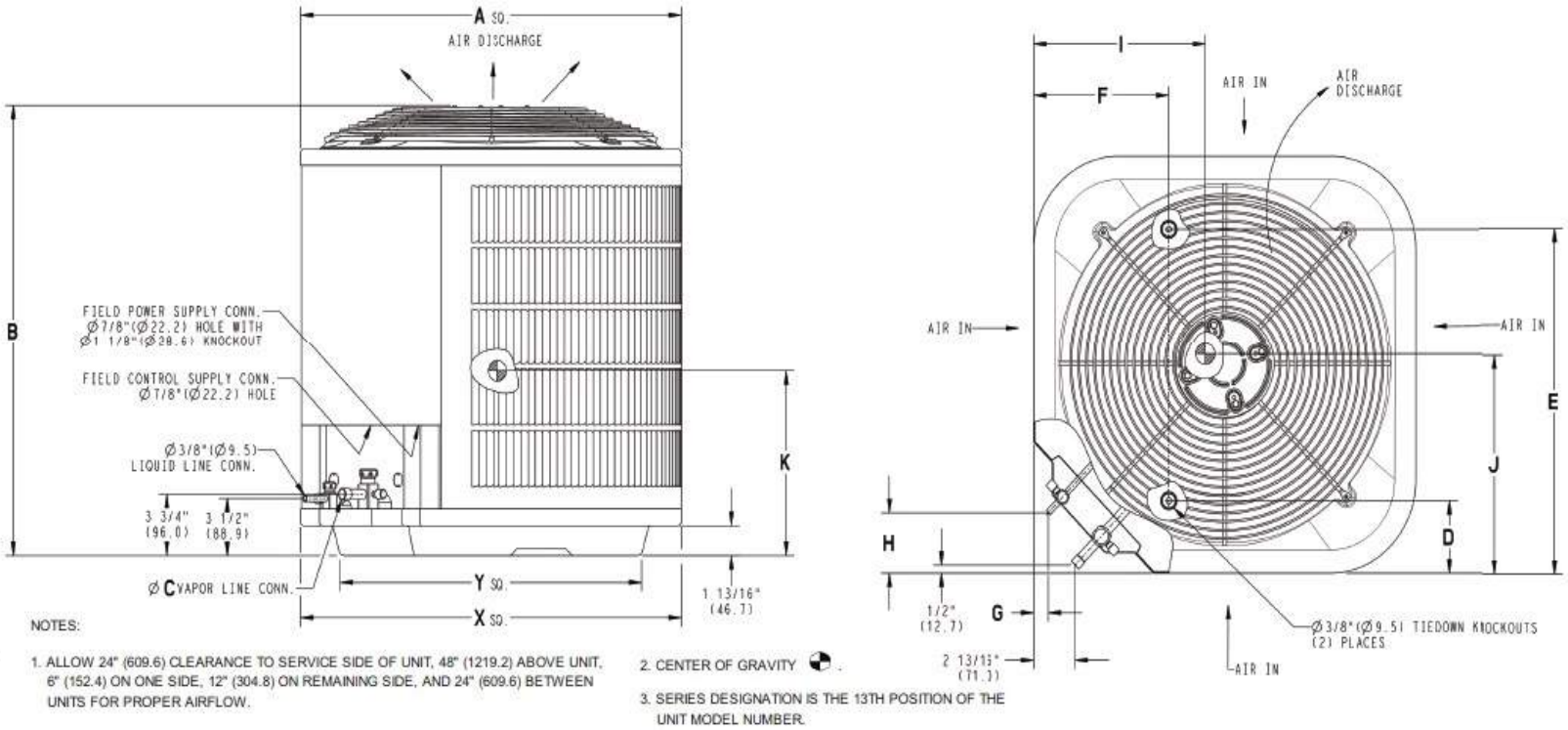
Typical split system heat pump outdoor unit (HP-1A, 1B, & 2) installation on roof. The installation at the Swedish Club will resemble this example. Our installation will have wood sleepers with sheet metal caps & a single sheet metal roof portal housing (3) linesets to be routed a short distance on roof deck to their respective heat pump outdoor unit.

HP-1A, 1B, & 2

Certified Drawing For 4T SSHP

Project: Swedish Club Seattle
Prepared By:

06/23/2023



NOTES:

1. ALLOW 24" (609.6) CLEARANCE TO SERVICE SIDE OF UNIT, 48" (1219.2) ABOVE UNIT, 6" (152.4) ON ONE SIDE, 12" (304.8) ON REMAINING SIDE, AND 24" (609.6) BETWEEN UNITS FOR PROPER AIRFLOW.
2. CENTER OF GRAVITY ⊕.
3. SERIES DESIGNATION IS THE 13TH POSITION OF THE UNIT MODEL NUMBER.

Outdoor Model

Unit Model:.....**25TPA**
Unit Size:.....**4 Tons (Size 48)**
Voltage:.....**208/230-1-60** V-Ph-Hz
SEER:.....**17**
PartNumber:.....**25TPA748A003**

Shipping Dimensions and Weights	Outdoor Unit
Height	50.94 in
Width	37.81 in
Length	37.81 in
Operating Weight	294. lb
Shipping Weight	324. lb

Dimensions										
A	B	C	D	E	F	G	H	I	J	K
35.00 in	45.69 in	0.88 in	6.56 in	28.44 in	9.13 in	1.10 in	3.81 in	16.00 in	15.50 in	23.00 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

38MARB
Outdoor Unit Single Zone Ductless System
Sizes 09 to 36

HP-3 & 4

Product Data

Fig. 1 —Sizes 09K - 36K

NOTE: Images are for illustration purposes **only**. Actual models may differ slightly.

TABLE OF CONTENTS

INDUSTRY LEADING FEATURES / BENEFITS

A PERFECT BALANCE BETWEEN BUDGET LIMITS, ENERGY SAVINGS AND COMFORT.

The 38MARB series ductless systems are a matched combination of an outdoor condensing unit and an indoor fan coil unit connected only by refrigerant tubing and wires.

The ductless system permits creative solutions to design problems such as:

- Add-ons to current space (an office or family room addition)
- Special space requirements
- When changes in the load cannot be handled by the existing system
- When adding air conditioning to spaces that are heated by hydronic or electric heat and have no ductwork
- Historical renovations or any application where preserving the look of the original structure is essential.

The ideal compliment to your ducted system when it is impractical or prohibitively expensive to use ductwork.

The compact indoor fan coil units take up very little space in the room and do not obstruct windows. The fan coils are attractively styled to blend with most room decors. Advanced system components incorporate innovative technology to provide reliable cooling performance at low sound levels.

HP-3 & 4

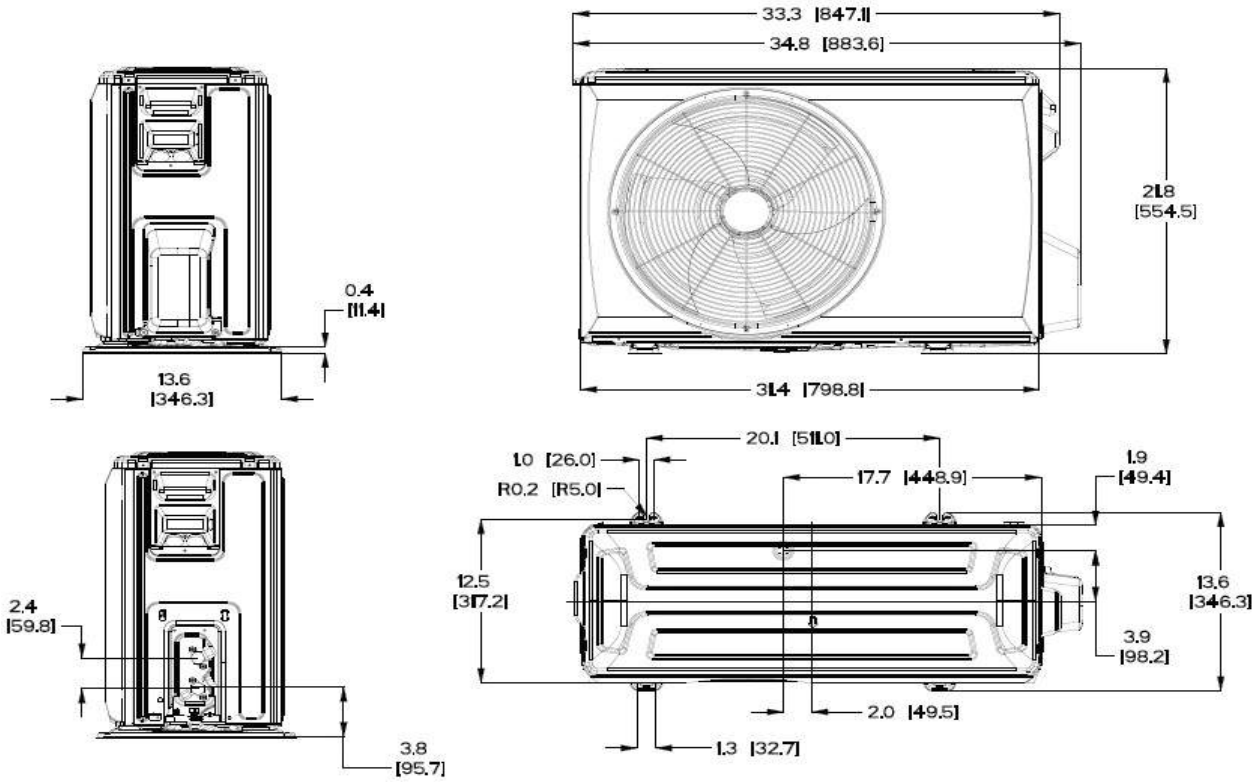


Fig. 5 — Dimension Size 18K

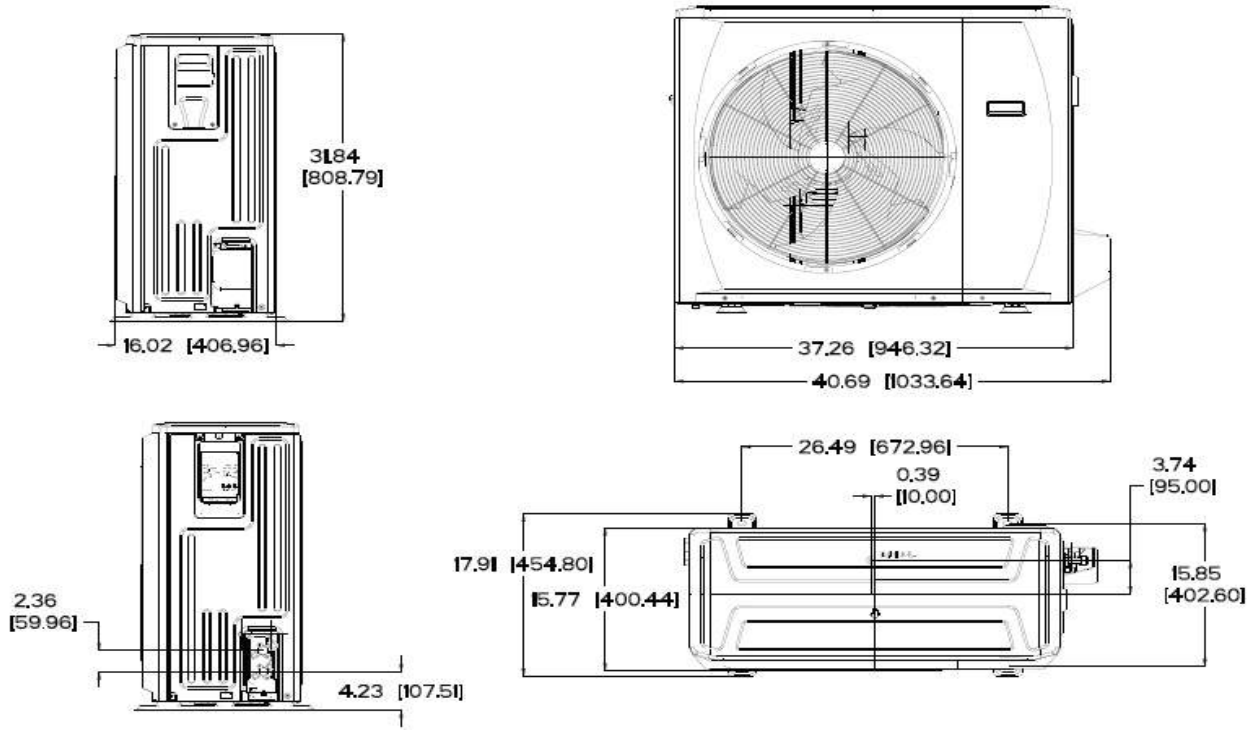


Fig. 6 — Dimension Sizes 24K, 30K, and 36K

Sheet metal roof portals for refrigerant piping thru roof.

CROWN
PRODUCTS COMPANY, INC.
6390 Phillips Highway
Jacksonville, FL 32216
Phone (904) 737-7144

SPECIFICATION DATA SHEET

Date: 03/13/14 rev. Drawn by: M.D.C.

MODEL No. 353

ROOF JACK for REFRIGERANT LINES (FLAT ROOF)

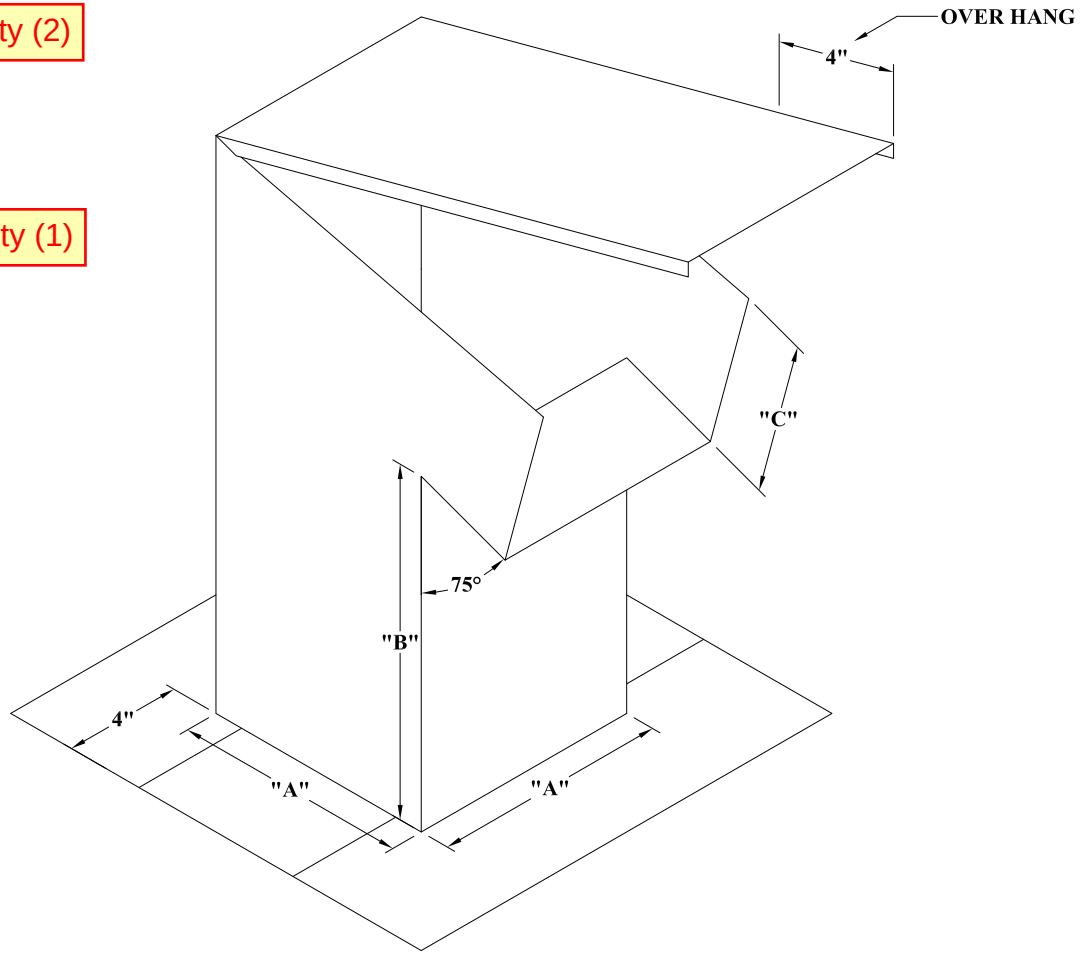
DIMENSIONAL DATA

SIZES AVAILABLE	"A"	"C"
4" x 4"	4"	3"
6" x 6"	6"	3"
8" x 8"	8"	5"
10" x 10"	10"	5"
14" x 14"	14"	5"

8" OR 12" THROAT HEIGHT "B" AVAILABLE IN ALL SIZES.

Qty (2)

Qty (1)



FABRICATION DATA

FABRICATED FROM HOT DIPPED GALVANIZED STEEL SHEET OF LOCK FORMING QUALITY PER ASTM-A653 CS TYPE B.

4" x 4" = 28 GAUGE
6" x 6" = 26 GAUGE
8" x 8" = 26 GAUGE
10" x 10" = 26 GAUGE

FEATURES

SEAMS SEALED WITH SILICONE SEALANT.

"FLIP TOP" DESIGNED TO EASE INSTALLATION OF REFRIGERANT LINES.

4" OVER HANG FOR ADDITIONAL COVERAGE OF REFRIGERANT LINES.

FOR FLAT ROOF.

OPTIONS

FABRICATED FROM .025" THICK ALUMINUM SHEET 3003-H14 ALLOY

SPECIAL NOTES

WE DO NOT WARRANT THESE ROOF MOUNTED FITTINGS TO BE LEAK-PROOF AGAINST ALL WEATHER CONDITIONS.

WE DO NOT GUARANTEE THE FITTINGS WILL PREVENT RAIN WATER INTRUSION FROM WIND BLOWN RAIN OR TORRENTIAL STORM CONDITIONS.

ADDITIONAL SEALING MIGHT BE NECESSARY AT THE DISCRETION OF THE INSTALLER.

Exterior refrigerant line sets. Appx. 2-1/2" dia. x two. Occurs @ roof only

Streamline®
Line Sets

DURAGUARD™ UV
SOLAR RESISTANT INSULATION

Streamline® Line Sets & Suction Lines are now available with our unique Duraguard UV™ Solar Resistant Insulation. This high-quality insulation has a durable, weather-resistant jacket and is designed to handle the toughest solar and weather conditions.

Streamline® LINE SET FEATURES:

- Made and assembled in the USA
- Copper Tube UL Recognized to 700 PSI MWP
- 10-year limited warranty on copper tube
- R410A Engineered and Tested
- ASTM B1003

Duraguard UV™ INSULATION FEATURES:

- Abrasion and weather resistant polymeric jacket, providing the best protection in the industry
- Offered with ½" wall (R3), ¾" wall (R5), and 1" wall (R7)
- Operating Temperature Range: -70°F to +220°F (ASTM C534)
- Insulating properties of elastomeric foam
- 5-year limited manufacturer warranty on insulation including UV Resistance
- Compliances: ASTM E 84 25/50, 2012/2015 IECC (Res. + Comm.), ASTM G153, UL 94 (fire stop), and CA Title 24, Section 120.3

LINE-HIDE™

Lineset Cover System

PROTECT & BEAUTIFY

MITSUBISHI ELECTRIC
HVAC Advanced Products Division

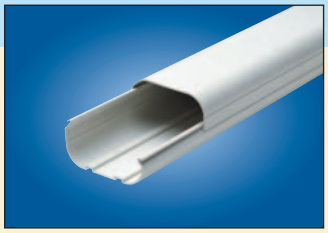
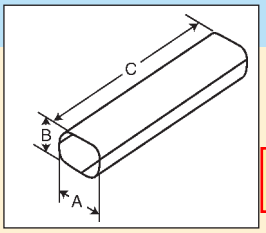
A complete system for completing the job

Conduit for vertical refrigerant piping @ North elevation

LINE-HIDE Lineset Cover System

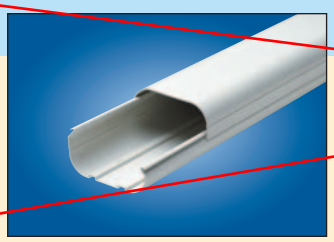
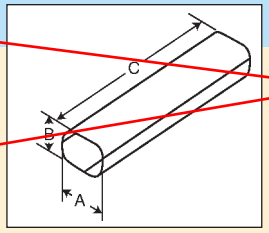
PRODUCT INFORMATION & SPECIFICATIONS

MITSUBISHI ELECTRIC
HVAC Advanced Products Division

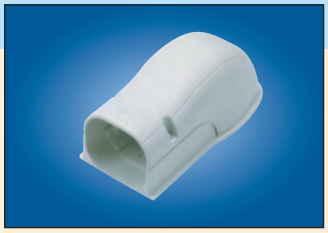
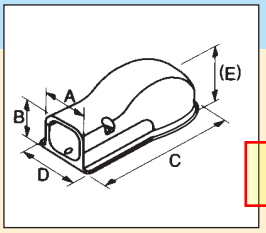
Split Line Tube (PVC)

Product	Dimensions (in inches) A	B	C	D	E	Weight (ounces)
CD-60	2-1/4	2-5/16	78-3/4			38.8
CD-75	2-15/16	2-7/16	78-3/4			44.1
CD-100	3-7/8	2-11/16	78-3/4			64.2
CD-140	5-7/16	3-1/16	78-3/4			73.4

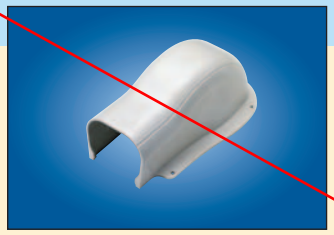
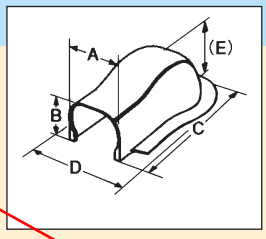
Split Line Tube (ASA)

Product	A	B	C	D	E	Weight (ounces)
DD-60	2-1/4	2-5/16	78-3/4			38.8
DD-75	2-15/16	2-7/16	78-3/4			44.1
DD-100	3-7/8	2-11/16	78-3/4			64.2
DD-140	5-7/16	3-1/16	78-3/4			73.4

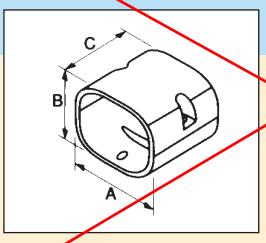
Wall Cover/Inlet

Product	A	B	C	D	E	Weight (ounces)
NW-60	2-9/16	2-9/16	7-7/8	3-1/16	3-3/16	6.3
NW-75	3-1/4	2-11/16	8-1/4	3-11/16	3-1/4	7.9
NW-100	4-3/16	2-15/16	9-1/8	4-11/16	3-3/4	10.6
NW-140	5-3/4	3-3/8	11-1/4	6-1/4	4-1/8	16.2

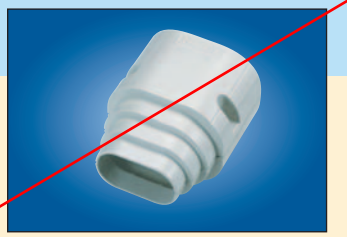
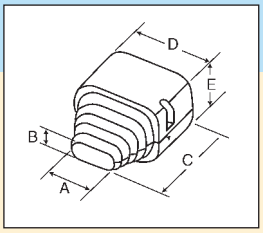
Simple Wall Cover

Product	A	B	C	D	E	Weight (ounces)
NY-60	2-9/16	2-9/16	7-7/8	3-1/16	3-3/16	6.3
NY-75	3-1/4	2-11/16	8-1/4	3-11/16	3-1/4	7.9
NY-100	4-3/16	2-15/16	9-1/8	4-11/16	3-3/4	10.6
NY-140	5-3/4	3-3/8	11-1/4	6-1/4	4-1/8	16.2

Socket/Coupling joins two pieces of tubing

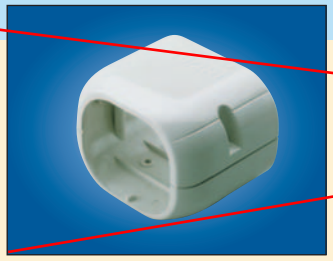
Product	A	B	C	D	E	Weight (ounces)
NS-60	2-9/16	2-9/16	3-1/8			2.5
NS-75	3-1/4	2-11/16	3-1/8			2.8
NS-100	4-3/16	2-15/16	3-1/8			3.5
NS-140	5-3/4	3-3/8	3-1/8			4.8

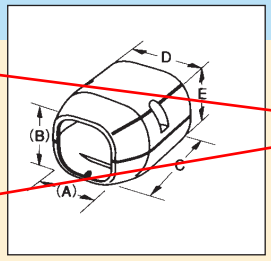



End Socket (Can be cut to accommodate various lineset combinations)

Product	A	B	C	D	E	Weight (ounces)
NR-60	2-1/16	1-3/16	3-7/8	2-9/16	2-9/16	2.3
NR-75	2-1/16	1-3/16	3-7/8	3-1/4	2-11/16	2.8
NR-100	2-1/16	1-3/16	4-1/2	4-3/16	2-15/16	4.1
NR-140	2-1/16	1-3/16	5-5/8	5-3/4	3-3/8	7.1

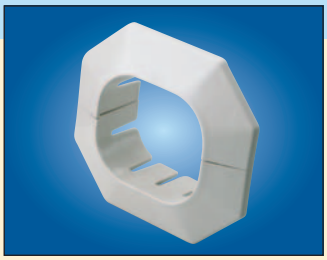
Product	Dimensions (in inches) A	B	C	D	E	Weight (ounces)

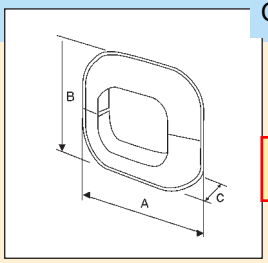




Variant Socket/Reducer (Used to change size of tube)

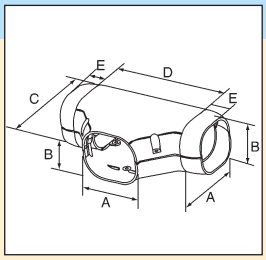
NJ-60/75	2 3/4	2-11/16	3-1/8	3-1/4	2-11/16	2.8
NJ-75/100	3 3/8	2-13/16	3-1/8	4-3/16	2-15/16	3.7
NJ-100/140	4-1/2	3-1/16	3-1/8	5-3/4	3-3/8	4.8





Ceiling Entry Fitting

NK-60	4-5/16	4-5/16	5/8			2.4
NK-75	4-15/16	4-1/2	5/8			2.7
NK-100	6-7/8	5-11/16	5/8			4.5
NK-140	8-11/16	7-1/16	5/8			6.7



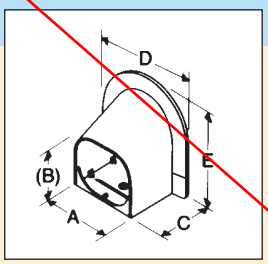
T-Joint

NT-75	3-1/4	2-11/16	4-3/4	6-5/16	1	8.0
NT-100	4-3/16	2-15/16	6-5/16	8-7/16	1-3/8	10.6
NT-140	5-3/4	3-3/8	7-7/8	10	1-3/8	16.4

NT-75 suppplied with 2 Reducing Adaptors (75>60)

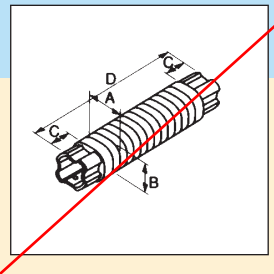
NT-100 suppplied with 4 Reducing Adaptors: 2 - (100>60) & 2 - (100>75)

NT-140 suppplied with 2 Reducing Adaptors (140>100)



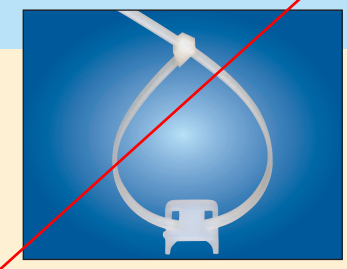
Corner Cap/Soffit Entry Fitting

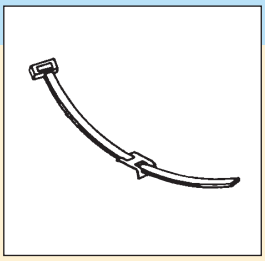
NA-60	2-5/8	2-9/16	2-5/8	4-1/8	4-5/16	3.2
NA-75	3-5/16	2-3/4	2-5/8	4-7/8	4-15/16	3.5
NA-100	4-5/16	3	2-5/8	5-7/8	5-1/2	4.6
NA-140	5-13/16	3-3/8	2-5/8	7-7/16	6-1/8	5.5



Flexible Joint (Polypropylene material) available in nominal 2-foot and 3-foot lengths

NF-60	2-5/16	2-3/8	2-3/8	21-5/8		4.1
NF-60M	2-5/16	2-3/8	2-3/8	39-3/8		10.2
NF-75	3	2-1/2	2-3/8	21-5/8		4.8
NF-75M	3	2-1/2	2-3/8	39-3/8		12.3
NF-100	4	2-3/4	2-15/16	31-1/2		12.7
NF-140	5-1/2	3-1/8	3-1/8	39-3/8		20.8





Saddle Band

NV-S	11-13/16					0.0
NV-L	14-3/16					0.0

NV-L for 100 and 140; NV-S for 60 and 75

Base snaps into track in line tube to hold lineset in place.

LINE-HIDE™

Lineset Cover System

Put a professional finish on air conditioning installation with an easy-to-install modular system that beautifies exteriors and protects linesets, drainlines, and wiring.

- **Available in four sizes — 2¼", 3", 4", and 6" tubes.**
- **Snap-on covers and a full selection of couplings, elbows, T-joints, caps, and more for any application, complex or simple.**
- **High-quality PVC with UV inhibitors for outdoor service in all weather conditions.**
- **Can be painted with most house paints to match exterior decors.**
- **Not just for HVAC. Hide any exterior cabling, piping, or wiring.**
- **Use it indoors, too! Meets UL94v-0 for interior applications.**

Line-Hide Specifications:

Material	Weather resistant, UV stabilized, ASA/PVC/ABS/Poly/PE
Temperature Range	PVC: -4°F to 140°F ASA: -4°F to 194°F
Fire Rating	PVC/ABS meets UL94v-0, Poly/PE meets UL94HB
Weather Resistance	Pass 2,000 hour test to JIS DO 205 Standard
Standard Color	Ivory
Mounting	Molded in mounting screw locations
Assembly Screws	Stainless Steel

Limited Warranty

Mitsubishi Electric & Electronics USA, Inc. warrants to the original consumer purchaser of a Line-Hide product that it will replace any part which fails due to a manufacturing defect within one year from the date of original purchase. This warranty covers only replacement of the product itself with the owner paying all other costs, including labor, mileage, and transportation.

To make a warranty claim, contact your installer, or contact Mitsubishi Electric & Electronics USA, Inc., at **678/376-2900**, **fax 678/376-2890**. You must present proof of purchase to make a claim.

WHAT IS NOT COVERED:
Conditions and damages resulting from improper installation, delivery, or maintenance.
Misuse, abuse, accidents, or unreasonable use of product.
The cost of service to correct installation errors.
Consequential or incidental damages sustained by any person as a result of any breach of this warranty.

THIS WARRANTY IS NON-TRANSFERABLE AND IS THE ONLY WARRANTY PROVIDED. ALL OTHER WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. HOWEVER, YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW LIMITATION ON IMPLIED WARRANTIES OR EXCLUSION OF CONSEQUENTIAL DAMAGES; THEREFORE THESE RESTRICTIONS MAY NOT APPLY TO YOU.

MITSUBISHI ELECTRIC
HVAC Advanced Products Division

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LBRCA11 06/05 10M


HP-1A, 1B, & 2
Puron


HP-3 & 4