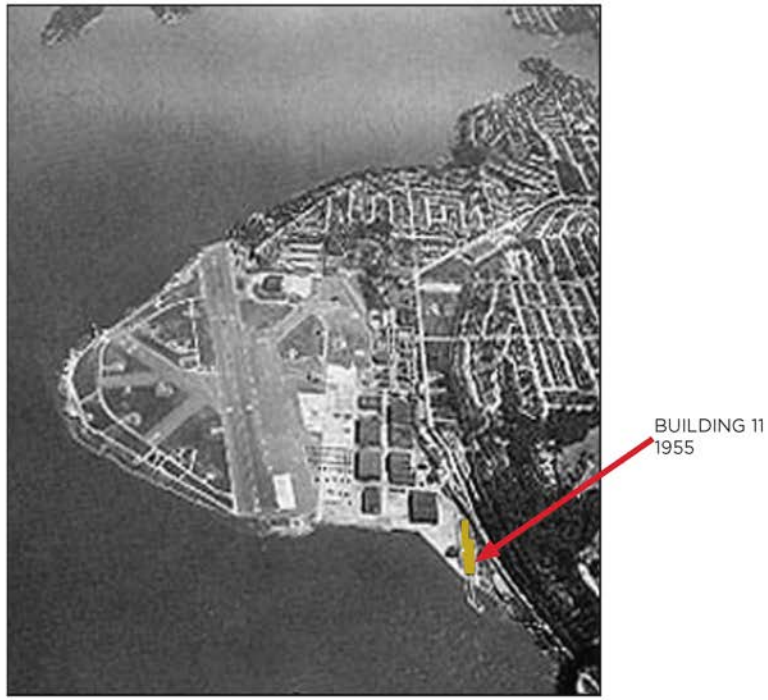
APRIL 2022
CERTIFICATE OF APPROVAL APPLICATION

SAIL SAND POINT
BUILDING 11, SANDPOINT NAVAL AIR STATION



PREPARED BY:

JOHNSON OAKLIEF
ARCHITECTURE & PLANNING LLC

STUDIO TJP

APRIL 2022

CONTENTS

LOCATION & EXISTING CONDITION PHOTOGRAPHS

Municode

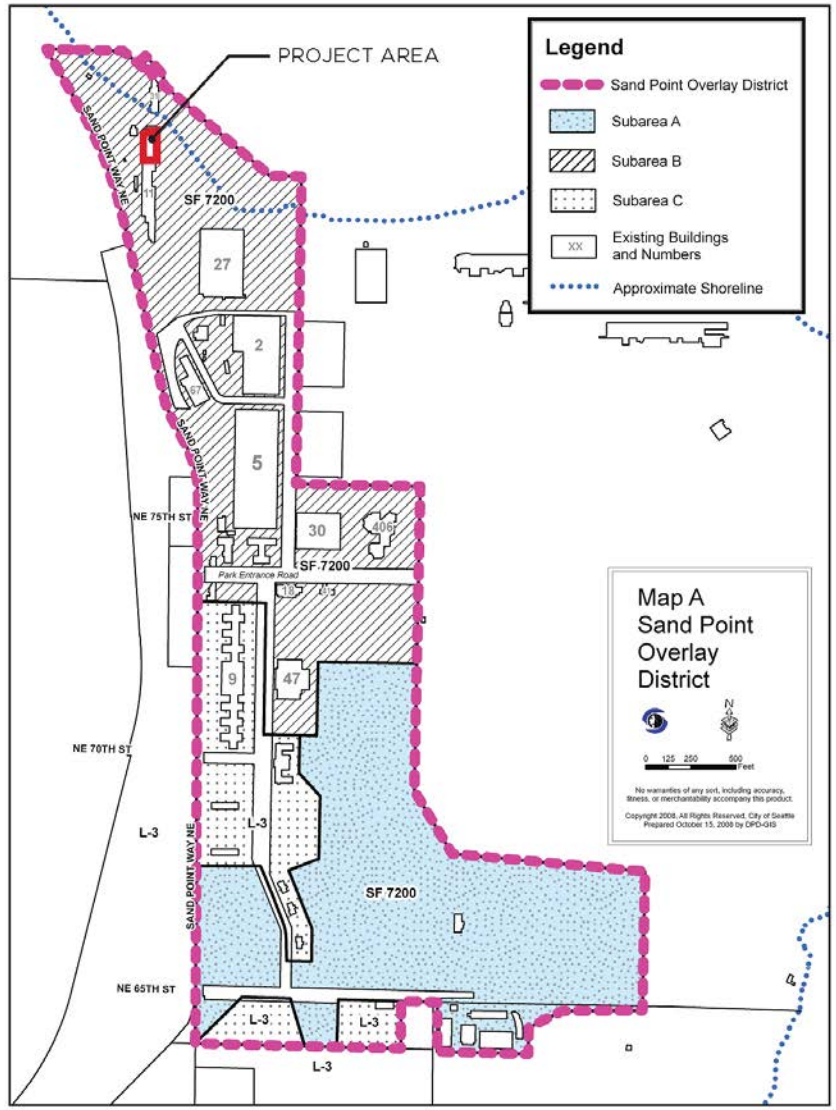


Figure 1 • Site Plan

Municode

Figure 2 • Aerial Photo Key

Studio TJP, April 2024

Figure 3 • Eastern facade

Studio TJP, April 2024

Figure 4 • Eastern facade

Studio TJP, April 2024

Figure 5 • Western facade

Studio TJP, April 2024

Figure 6 • Western facade

Studio TJP, March 2024

Figure 7 • Eastern facade

Studio TJP, March 2024

Figure 8 • Eastern facade detail of area for proposed new door

Studio TJP, May 2024

Figure 9 • Eastern facade, northern end

Studio TJP, May 2024

Figure 10 • Eastern facade, detail of Sail Sandpoint doors, southernmost roll-up door and mandoor

Studio TJP, May 2024

Figure 11 • Eastern facade, detail of Sail Sandpoint roll-up doors

Studio TJP, May 2024

Figure 12 • Eastern facade, detail of northern doors at Sail Sandpoint

Studio TJP, March 2024

Figure 13 • Northern end of eastern Facade

Studio TJP, March 2024

Figure 14 • Northern Facade

Studio TJP, March 2024

Figure 15 • Northern facade viewing southeast

Studio TJP, March 2024

Figure 16 • western end of northern facade viewing south down western facade at alley

Studio TJP, March 2024

Figure 17 • Western facade, northern end

Studio TJP, March 2024

Figure 18 • Western facade opposite loading dock, area of proposed new HVAC installation

Studio TJP, March 2024

Figure 19 • Detail of unit to remain

Studio TJP, March 2024

Figure 20 • Detail f screen vent to be re-used

Studio TJP, March 2024

Figure 21 • View of western facade from approach at trail

Studio TJP, March 2024

Figure 22 • View of western facade from upper trail

PROJECT DESCRIPTION:

A TENANT IMPROVEMENT FOR SAIL SANDPOINT, A COMMUNITY SAILING ORGANIZATION. THE PROJECT CONSISTS OF IMPROVEMENTS FOR BOAT AND GEAR STORAGE, ADA ACCESS, TWO NEW OFFICES AND A SMALL ASSEMBLY SPACE. ALL WORK IS INTERIOR WITH THE EXCEPTION OF THE REPLACEMENT OF ONE GARAGE DOOR, PAD MOUNTED HVAC EQUIPMENT AND LIMITED PENETRATIONS OF THE WEST WALL FOR MECHANICAL LOUVERS AND GRILLS. TOTAL PROJECT AREA IS 5,282 SF.

HISTORIC REVIEW ELEMENTS FOR BUILDING # 11:
REVIEW SCOPE INCLUDES EXTERIOR MODIFICATIONS REQUIRED FOR THE REPLACEMENT OF ONE OVERHEAD DOOR ON THE EAST ELEVATION, ADDITIONS OF TWO NEW MECHANICAL LOUVERS ON EXISTING ROOF MECHANICAL DOG HOUSE AND INSTALLATION ON WEST ELEVATION OF TWO WALL MOUNTED HVAC UNITS & ASSOCIATED INTAKE AND EXHAUST LOUVERS (ONE EACH)

PROJECT NAME: SAIL SAND POINT TENANT IMPROVEMENT

PROJECT ADDRESS: 7861 62ND AVE NE BUILDING 11
SEATTLE, WA 98115

LEGAL DESCRIPTION:

POR STR 02-25-04 DAF: COMMENCING AT QTR COR COMMON TO SECS 2 &11-25-04 TH N15-58-06 W 2978.33 FT TO CONCRETE MOUNUMENT STAMPED 10 AS SET BY NOAA; TH N 89-57-50 E 690.52 FT TO CONCRETE MOUNMENT STAMPED 9; TH S 00-01-58 E 546.89 FT TO TPOB TH CONT S 00-01-58 E 276.81 FT TO CONCRETE MOUNMENT STAMPED 10-6 TH 89-57-50 E 447.35 FT TO CONCRETE MOUNMENT STAMPED 10-5 TH N 20-12-50 E 298.36 FT TH S 89-38-18 W 5550.63 FT TO TPOB TGW PORTIONS STR 02-25-04 AS DESCRIBED IN DEED TO CITY OF SEATTLE UNDER REC NO 9905041194 AS PARCEL 1-LOT A, PARCEL 1-LOT B PARCEL 1-LOT C, PARCEL 1-LOY D, PARCEL 1-LOT E, PARCEL 3-LOT E, PARCEL 6-LOT A, PARCEL 6-LOT B, PARCEL 6-LOT, PARCEL 6-LOT D, PARCEL 6-LOT E, PARCEL 6-LOT F, PARCEL 6-LOT G, PARCEL 6B WESTERN SEGMENT, TGW PARCELS X & Y, SP #3013614

PARCEL NUMBER: 0225049062

OWNER: CITY OF SEATTLE DEPARTMENT OF PARKS AND RECREATION

STEPHEN LEVENGOOD
Stephen.levengood@seattle.gov
(206) 930-2387

ARCHITECT: JOHNSON OAKLIEF ARCHITECTURE PLANNING
2124 THIRD AVE, SUITE 200
SEATTLE, WA 98121

JEFF OAKLIEF
(206) 448-7580
joaklief@j-arch.com

MECHANICAL/ PLUMBING: UMC, INC.

LOUS ZONTA
lzonta@unci.com
(206) 427-8389

ELECTERICAL: PRECISION ELECTRIC

JEREMY TIDBALL
jeremyt@precisionelectricgroup.com
(206) 518 2502

FIRE SPRINKLER: MCKINSTRY

COREY ROBINSON
coreyr@mckinstry.com
(206) 519-8640

CONTRACTOR: SELLEN CONSTRUCTION

DAVID DENHAM
davide@sellen.com
(206) 316-6131

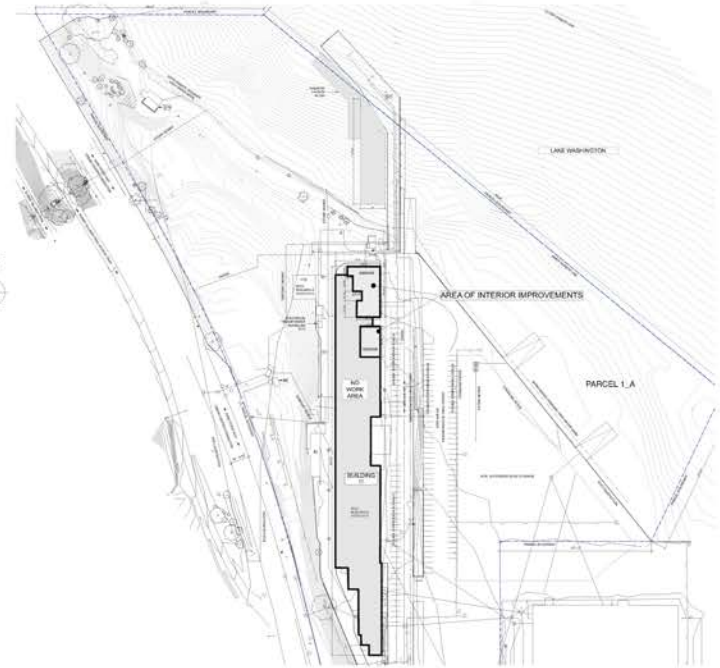
BUILDING CODE: IBC 2018
SBC 2018
SEBC 2018
SFC 2018

CONSTRUCTION TYPE: VB

BUILDING AREA: EXISTING STRUCTURE: 41,606.5 SF (NO CHANGE)
TENANT IMPROVEMENT AREA: 5,282 SF

1 VICINITY MAP
NOT TO SCALE

N



2 SITE PLAN
SCALE: 1" =100'

N

3 OVERALL FLOOR PLAN-PHASES
SCALE: 1" = 20'

N

JOHNSON OAKLIEF
ARCHITECTURE & PLANNING LLC
2124 THIRD AVENUE, SUITE 200
SEATTLE, WA 98121 206-448-7580

9993 REGISTERED ARCHITECT
BRYAN PHILIP JOHNSON
STATE OF WASHINGTON

SAIL SAND POINT

1 PERMIT REVISION 04/29/2024

PROJECT NO: 2024.04
DATE: 5/6/24
DRAWN BY: JH
APPROVAL: JO

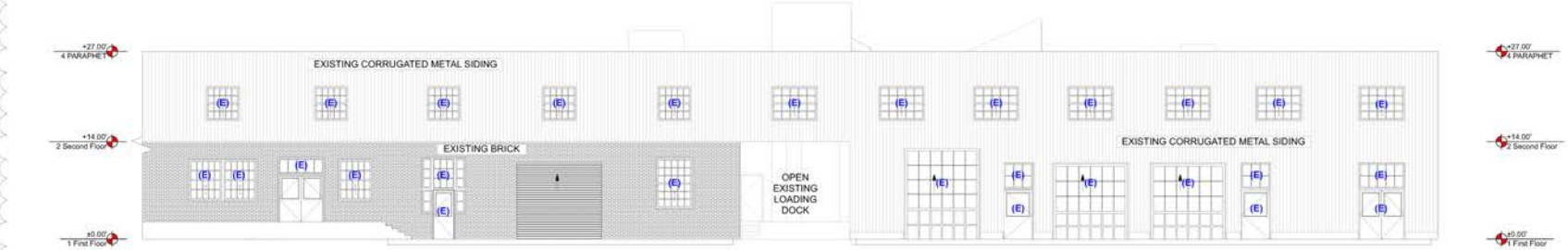
SAIL SAND POINT TENANT IMPROVEMENT

ADDRESS:
7861 62ND AVE NE BLDNG 11
SEATTLE WA 98115

GENERAL INFORMATION

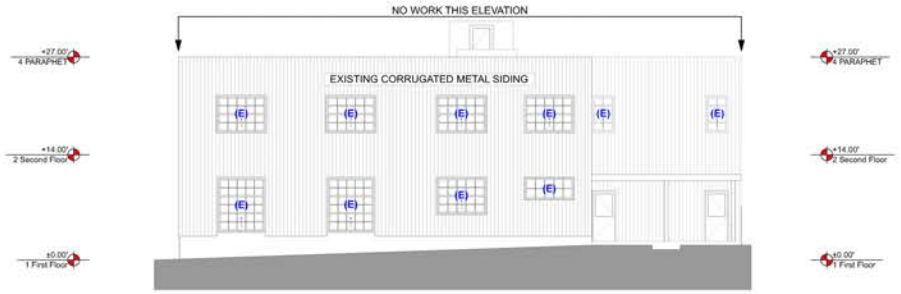
LANDMARK REVIEW

SHEET NO:
A0.0



1 EXISTING EAST ELEVATION
SCALE: 1/8" = 1'-0"

2 EXISTING WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 EXISTING NORTH ELEVATION
SCALE: 1/8" = 1'-0"

JOHNSON OAKLIEF
ARCHITECTURE & PLANNING LLC
2124 THIRD AVENUE, SUITE 200
SEATTLE, WA 98121 206-448-7580

REGISTERED ARCHITECT
BRYAN PHILIP JOHNSON
STATE OF WASHINGTON

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1 PERMIT REVISION 04/29/2024

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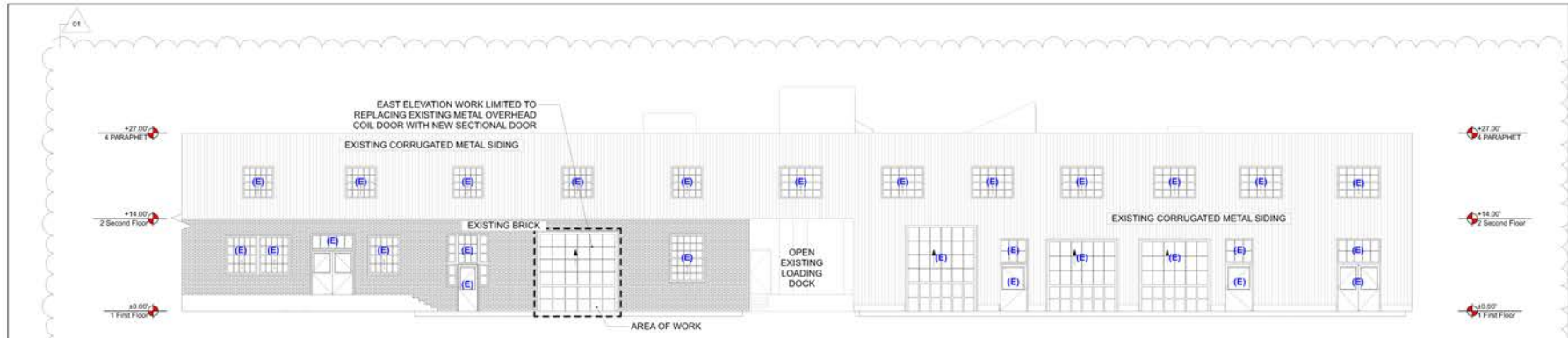
SAIL SAND POINT TENANT IMPROVEMENT

ADDRESS:
7861 62ND AVE NE BLDNG 11
SEATTLE WA 98115

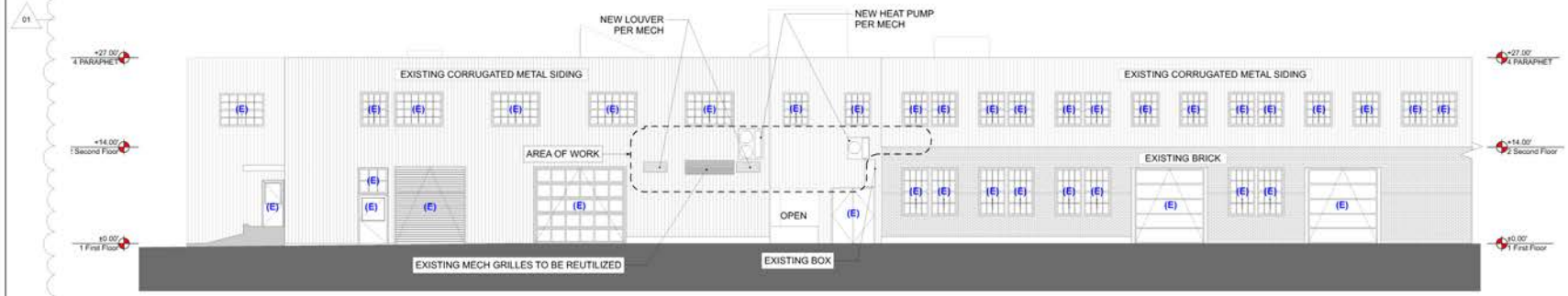
EXISTING ELEVATIONS

LANDMARK REVIEW

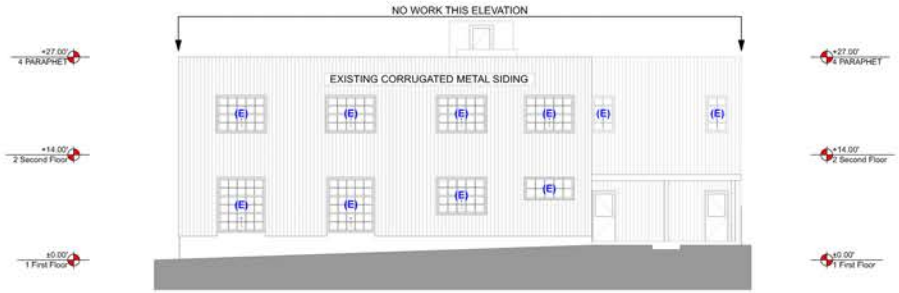
SHEET NO.
A1.1



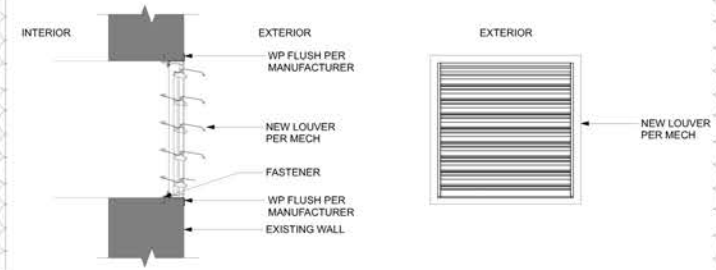
1 PROPOSED EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 PROPOSED WEST ELEVATION
SCALE: 1/8" = 1'-0"



3 EXISTING NORTH ELEVATION (NO CHANGES PROPOSED)
SCALE: 1/8" = 1'-0"



4 LOUVER
SCALE: 1 1/2"= 1'-0"

JOHNSON OAKLIEF
ARCHITECTURE & PLANNING LLC
2124 THIRD AVENUE, SUITE 200
SEATTLE, WA 98121 206-448-7580

REGISTERED ARCHITECT
BRYAN PHILIP JOHNSON
STATE OF WASHINGTON

SAIL SAND POINT

1 PERMIT REVISION 04/29/2024

PROJECT NO: 2024.04
DATE: 5/6/24
DRAWN BY: JH
APPROVAL: JO

SAIL SAND POINT TENANT IMPROVEMENT

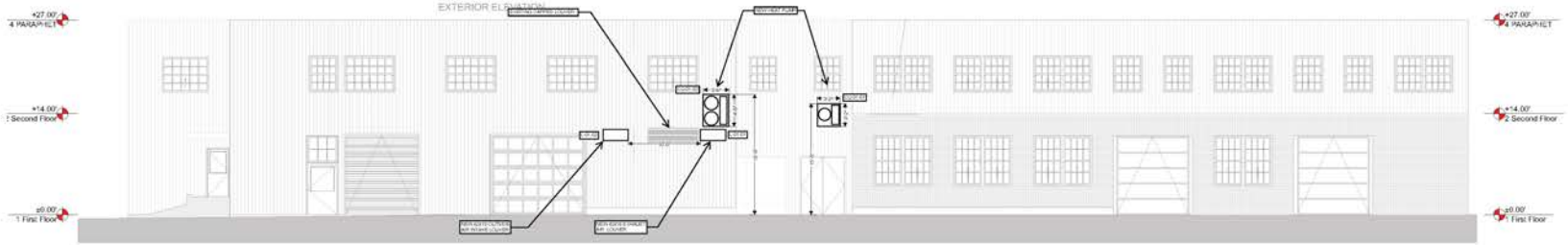
ADDRESS:
7861 62ND AVE NE BLDNG 11
SEATTLE WA 98115

PROPOSED ELEVATIONS & DETAILS

LANDMARK REVIEW

SHEET NO.
A1.2

NO WORK ON THE
EXTERIOR ELEVATION



3 WEST ELEVATION
SCALE: 1/8" = 1'-0"

Issue	FOR PERMIT	03/29/2024
No.	Rev. Desc.	Date

Project/Owner Information

SAIL SAND POINT

Project Address:
7501 62ND AVE NE,
SEATTLE WA 98115

Owner:

Title: WEST ELEVATION VIEW

umc
umci.com

Drawn By	UMC
Checked By	RAC
Original Issue Date	03/29/2024
Job No.	9292
Scale	AS SHOWN
Sheet No.	M3.01

Overhead Door Company of Seattle

9800 40th Ave S
Seattle, WA 98118-5603

Contact: Anthony Holcombe
Phone: +1206-394-3323
Email: aholcombe@odcseattle.com

This proposal is valid till Thursday, May 2, 2024 Quote: SQHN001337-1 | Created: 4/2/2024 6:55 AM

Job:
Johnson Oak life(Sail Sand Point)
Architect: Jennifer Harris
Contractor: Oak Life Architecture & Planning

Prepared For:
Jennifer Harris (jharris@j-arch.com)
7861 62nd Ave NE Building 11
Seattle WA 98115

	Item	Qty
1	**521.CS 521, 12' 2" x 12' 1", 9010 Pure White**	1

DOOR:	521, 12' 2" x 12' 1", Standard Panel, 9010 Pure White, 6 Sect, 6 Pnl, Extra Center Stiles: 3, SES, Pneumatic Sensing Edge Bottom Seal, Dual Flap
OPERATOR:	RSX - Standard Duty, Posi-Tension (PT-4), 1/2 HP, 115/208/230V 1Phase 60Hz, Hoist, Left, PhotoEyes-Standard (Monitored), Chain Couple, 24.7 RPM, #41 1:1 Chain Couple Kit, Brake, Receiver,Built-In,Std, Hand Chain,18', Non-Monitored Pneumatic Edge, Include Take-up Reel, 1" Tension Plate Kit
WEATHERSTRIP:	Sides Only, Side: Saverstrip, Black, Black
SENSING EDGE:	Include Take-up Reel
LITES:	Custom, AFV, 1/8",Tempered,Clear, S3: AFV, S4: AFV, S5: AFV, Top: AFV
RAILS:	Top: 2.375", Bottom: 3.750", Finned
STRUTS:	Standard, S1: NONE, S2: NONE, S3: NONE, S4: NONE, S5: NONE, S6: NONE
LOCK:	ISL, 1
TRK/HDW:	2", 15"R, Angle In, Masonry, Pusher Springs Bumper, 0.055 V.Trk, 0.067 H.Trk, 1.375" x 2.375" x .099" H.Ang, 156.625 FTSC
SPRING:	Torsion, Qty: 2, Front, 10K, 1" Solid, Two-Piece Split Solid Shaft w/Coupler, 2" x 0.273 x 56.75, 12.52 Turns, PT-4, 1/8" x 164", Bal Wt: 398.68
OPERATION:	JackShaft, Side Mount
Last Changed:	4/29/2024 11:09 AM PST

Total (USD): $17,094.45

Terms and Conditions

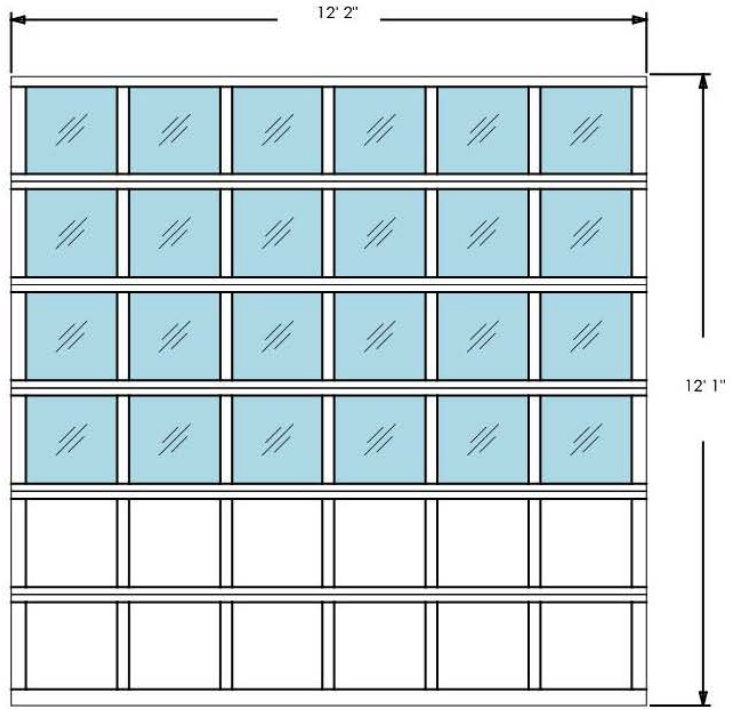
- Due to the volatility of steel, if we have an increase in material costs between quoting and procurement of materials, that cost will be passed on.
- All Electrical interconnection, if necessary, including primary and low voltage wiring of controls, push buttons, disconnects, motors, photo eyes and limit switches, excluded. All installation, supply of wiring and conduit, including core drilling of walls and floors, excluded.
- All Permits and Bonds, if necessary, done by others.
- All liquidated and consequential damages are excluded.
- All Assessments and Inspections, if necessary, done by others.
- Necessary steel to mount door by others.
- Structural requirements for jamb and header construction (Load Data Sheets) will be provided following award.

GENERAL TERMS AND CONDITIONS:

The Genuine. The Original.

Last Change: 4/29/2024 11:09 AM PST

Exterior View



Model: 521 - Heavy Duty Aluminum	Window Style: Aluminum Full View
Design: Standard Panel	Options: ,Solid Panel Shown
Door Width & Height (Ft): 12'2" x 12'1''	

PHOTOGRAPHS OF COLOR SAMPLES FOR PROPOSED DOOR:

Preferred color-blue RAL 5007

at location of proposed door replacement

in proximity to existing Sail Sandpoint blue

in proximity to other materials on building

PHOTOGRAPHS OF COLOR SAMPLES FOR PROPOSED DOOR:

Alternate color 1-white

at location of proposed door replacement

in proximity to existing Sail Sandpoint blue

in proximity to other materials on building

PHOTOGRAPHS OF COLOR SAMPLES FOR PROPOSED DOOR:

Alternate color 2-aluminum

at location of proposed door replacement

in proximity to existing Sail Sandpoint blue

in proximity to other materials on building

COLOR OPTIONS

PREFERRED OPTION

ALTERNATE OPTION #1

ALTERNATE OPTION #2

SMMS-e Single VRF Outdoor Unit
MCY-MAP0367HS-UL—Heat Pump

TOSHIBA
Carrier

Submittal Data

Job Name _____ Location _____

Tag _____

SMMS-e VRF Heat Pump Features

- 3, 4, and 5-ton single-phase modules available
- Modules have inverter-driven twin rotary compressor
- 591 ft (180 m) actual total system piping (liquid line)
- 328 ft (100 m) actual piping length from outdoor unit to furthest fan coil
- Up to 330 ft (100 m) control wiring between outdoor units
- Up to 6560 ft (2000 m) control wiring between the outdoor units and indoor units
- Operating temperature range Cooling (db): 23 to 122 F (–5 to 50 C)
- Heating (wb): –13 to 60 F (–25 to 15.6 C)
- Protection: high pressure sensor and switch, low pressure sensor, process controller board fuse, inverter overload protection
- 7-year compressor limited warranty,
- 5-year parts limited warranty

Header Unit Model	MCY-MAP0367HS-UL	
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	36,000
Nominal Heating Capacity	Btu/h	40,000
Maximum Total Connected Indoor Unit Capacity		Up to 135%
COOLING EFFICIENCY†		
SEER2, Ducted FCUs	Btu/Wh	20.10
SEER2, Ductless FCUs	Btu/Wh	22.80
HEATING EFFICIENCY†		
HSPF2, Ducted FCUs		10.00
HSPF2, Ductless FCUs		10.90
Fan Type (Qty)		Propeller (2)
Airflow	CFM	4520
Combined System Sound Pressure, Cooling/Heating	dBA	52.0/56.0
ELECTRICAL		
Power Supply	V/Ph/Hz	208-230/1/60
Minimum Circuit Amps (MCA)	A	36.3
Recommended Fuse Size	A	40

COMPRESSORS		
Type (Number)		Hermetic Twin Rotary (1)
Motor Output	kW	3.75
FAN MOTOR		
Motor Type (Steps)		Propeller Fan (2)
Motor Output	kW	0.10 + 0.10
PHYSICAL DATA		
Pipe Connection Size - Liquid (High Pressure)	in.	3/8 (Flare)
Pipe Connection Size - Gas (Low Pressure)	in.	5/8 (Flare)
Refrigerant		R-410A
Factory Charge††	lb	14.8
External Finish		Munsell 1Y8.5/0.5
Unit Width	in.	39.8
Unit Height	in.	61.0
Unit Depth	in.	14.6
Unit Net Weight	lb	311

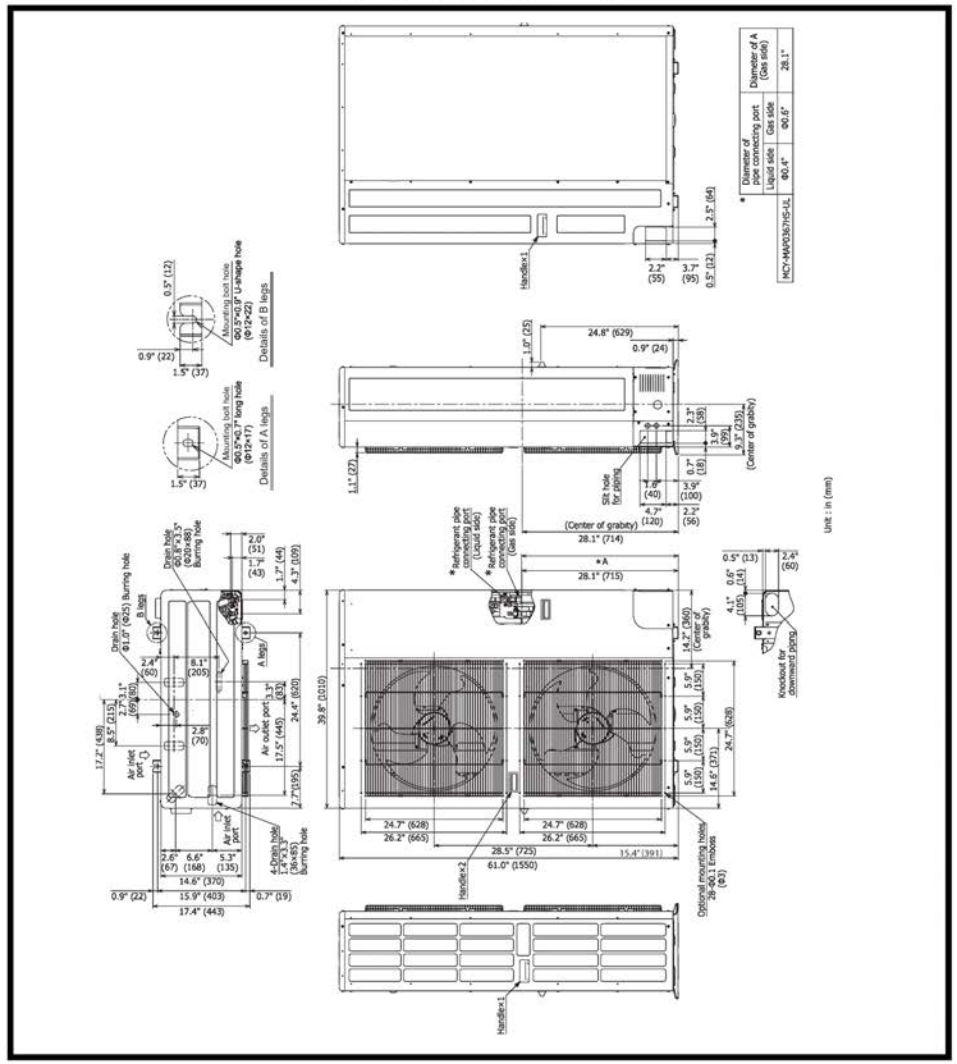
LEGEND

db	—	Dry Bulb
SEER	—	Seasonal Energy Efficiency Ratio
FCU	—	Fan Coil Unit
HSPF	—	Heating Seasonal Performance Factor
wb	—	Wet Bulb

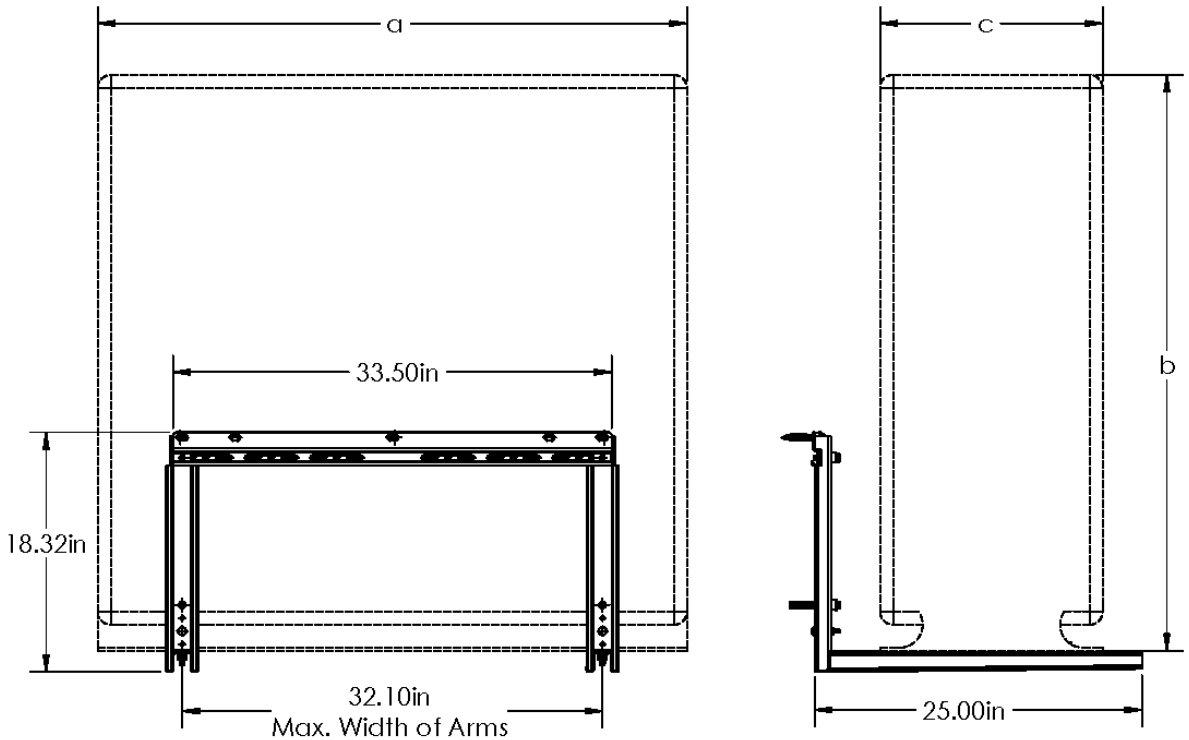
†Rated per AHRI (Air-Conditioning, Heating and Refrigeration Institute) 210/240 Standard.
Cooling: Indoor 80°F (27°C) db/67°F (20°C) wb; Outdoor 95°F (35°C) db
Heating: Indoor 70°F (21°C) db; Outdoor 47°F (8°C) db/43°F (6°C) wb
††Additional charge required.

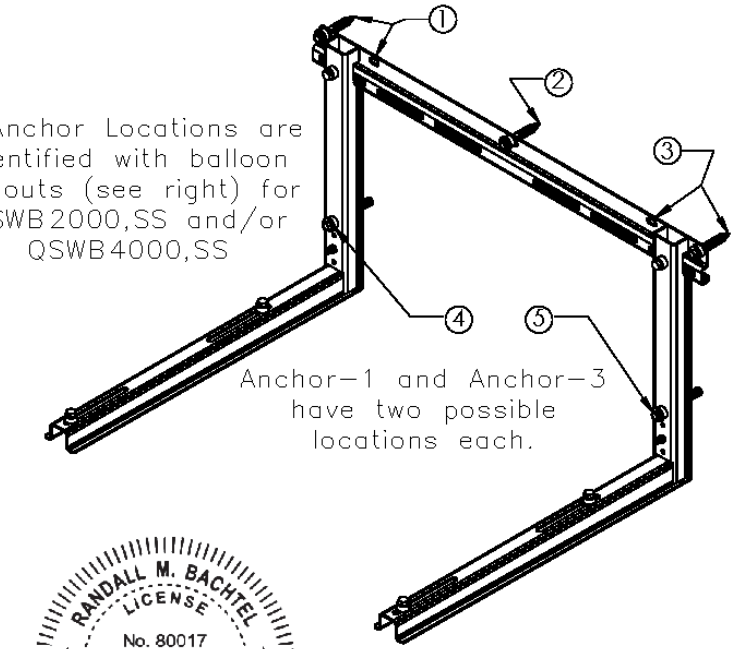
Edition Date: 11/22
Form No: MCY-MAP0367HS_UL_02
A Carrier Company
Printed in U.S.A.
Replaces: MCY-MAP0367HS-UL_01

OUTDOOR UNIT HEAT PUMP MCY-MAP0367HS-UL
DIMENSIONAL DRAWING



Edition Date: 11/22
Form No: MCY-MAP0367HS_UL_02
A Carrier Company
Printed in U.S.A.
Replaces: MCY-MAP0367HS-UL_01





5 Anchor Locations are identified with balloon callouts (see right) for QSWB2000,SS and/or QSWB4000,SS

Anchor–1 and Anchor–3 have two possible locations each.

RANDALL M. BACHTEL LICENSE No. 80017 STATE OF FLORIDA PROFESSIONAL ENGINEER
08 JUN 17

FL–22529.2

TABLE–3 CONDENSER UNIT (MAXIMUM) SPECIFICATIONS

Item	QSWB2000 QSWB2000SS	QSWB4000 QSWB4000SS
Max. Length (a) in.	42	48
Max. Height (b) in.	48	54
Max. Depth (c) in.	20	20
Max. Frontal Area (a x b) sq. in.	2020	2300
Max. Lateral Area (b x c) sq. in.	960	1100
Max. Weight (lbs.)	350	500

QSWB Part Number Notation

Diversitech QSWB4000 is equivalent to QSWB2000M–1. QSWB2000 and QSWB4000 each come in stainless steel versions. These two part numbers have a suffix "SS" Ex. QSWB2000SS and QSWB4000SS

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MILLIMETERS]
TOLERANCES ARE: ANGLES ±1.0°
FRACTIONAL SIZES X/Y ±1/64
INCHES .X = ±0.1 .XX = ±0.01 .XXX = ±0.005
[MILLIMETERS] [.X = ± 2.5] [.X = ± 1.3] [.XX = ±0.13]
THIRD ANGLE PROJECTION

DIVERSITECH

DO NOT SCALE DRAWING

MATERIAL: AISI 1045 Steel / Sy >= 59ksi
DWG. NO.: A/C Condensing Unit Wall Bracket Systems
REV.: A
28AUG17
DESCRIPTION: Models: QSWB2000, QSWB2000SS, QSWB4000 & QSWB4000SS
SHEET 1 OF 5

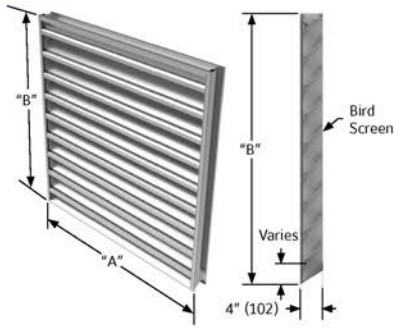
ELF375DX/ELF375DXH

Drainable Stationary Louvers
Extruded Aluminum

RUSKIN
AUTHORITY IN AIR CONTROL

APPLICATION

The ELF375DX/ELF375DXH are 4" deep, extruded aluminum, drainable, stationary louvers that are designed to protect air intake and exhaust openings on exterior walls. These louvers are designed with drainable gutter systems that channel water from the blades to downspouts in the jambs. Here, water is exhausted out of the front of the louvers.



STANDARD CONSTRUCTION

Frame	4" (102) deep, 6063T6 extruded aluminum. **ELF375DX:** .081" (2.1) nominal wall thickness. **ELF375DXH:** .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.
Blades	6063T6 extruded aluminum. **ELF375DX:** .081" (2.1) nominal wall thickness. **ELF375DXH:** .125" (3.2) nominal wall thickness. Drainable blades are positioned at 37 1/2° angle and spaced approximately 5 3/32" (129) center to center.
Screen	5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305).
Approximate Shipping Weight	**ELF375DX:** 4 lbs./ft.^{2} (19.5 kg/m^2). **ELF375DXH:** 6 lbs./ft.^{2} (29.3 kg/m^2).
Maximum Factory Assembly Size	Single sections shall not exceed 120"w x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048). Louvers larger than the maximum single section size will require field assembly of smaller sections.
Blade Supports	Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

Consult Ruskin for additional information.

LEED Material Information
Contact Ruskin for Recycled Material and Manufacturing Location Information.

5 YEAR LIMITED WARRANTY

ISO9001 CERTIFIED

LOUVER VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- Extended sill
- Hinged frame
- Front or rear security bars
- Filter racks
- Universal sleeve
- Blank off panels
- A variety of bird and insect screens
- Optional finishes available at additional cost: Prime coat, 50% PVDF (modified fluoropolymer), Epoxy, Pearledize, 70% PVDF, Clear and Anodized finishes. (Some variation in anodize color consistency is possible)

Consult Ruskin for other special requirements.

FEATURES

- 54% Free Area
- Published performance ratings based on testing in accordance with AMCA Publication 511
- High performance frame system
- Beginning point of water penetration at .01 oz./sq.ft. is 873 fpm (266 m/min)
- Drain gutter in each blade minimizes water cascade between blades
- Architecturally styled, hidden mullions
- Aluminum construction for low maintenance and high resistance to corrosion
- All welded construction

NOTES:
- Dimensions are in inches, parenthesis ( ) indicate millimeters.
- Units furnished 1/4" (6) smaller than given opening dimensions.

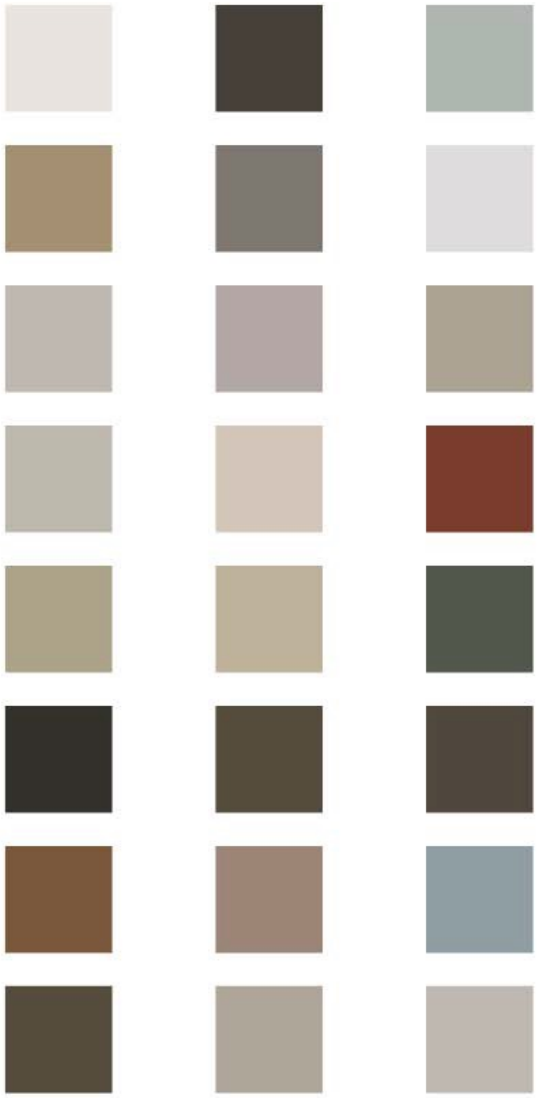
RUSKIN® LOUVER COLORS

STANDARD COLORS

BONE WHITE
DARK BRONZE
PORTLAND STONE
LIGHT STONE
SHELBURNE
FOREST GREEN
SANDSTONE
HERRINGBONE
CORONADO RED
SAHARA TAN
STONE GRAY
ASCOT WHITE
BLACK
MEDIUM BRONZE
TAUPE

PEARLEDIZE COLORS

DARK BRONZE
MEDIUM BRONZE
CHAMPAGNE BRONZE
BRIGHT SILVER
WARM SILVER
ASTI
COPPER
CORAL REEF
BLUE



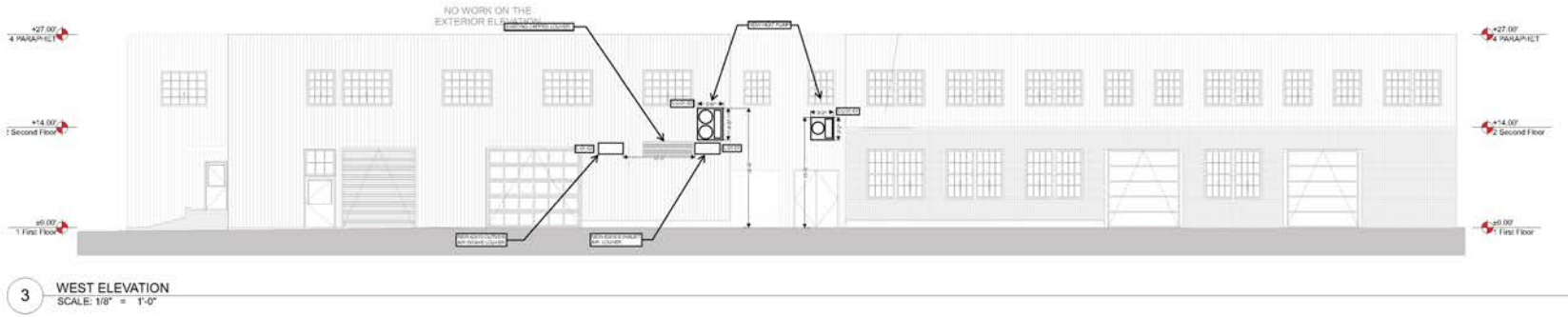
*We can match any color!

PROPOSED: COLOR MATCH TO THE EXISTING SIDING

EXISTING

PROPOSED DOOR EAST SIDE

PROPOSED HVAC WEST SIDE



END

GRILLE, REGISTER AND DIFFUSER SCHEDULE

EQUIP. ID NO.	SERVICE	MANUFACTURER	MODEL	DESCRIPTION									
				STYLE	MATERIAL	FRAME	FRAME MODEL	FACE SIZE	NECK SIZE	MAX CFM	BRANCH DUCT	NC	COLOR	NOTES
A1	CEILING DIFFUSER	PRICE INDUSTRIES	SMCD	MODULAR	STEEL	LAY-IN	BORDER TYPE 3	24x24	8X8	100	6	<15	WHITE	
G5	SUPPLY GRILLE	PRICE INDUSTRIES	520	DOUBLE DOT	STEEL	SURFACE	BORDER TYPE 1	14X12	12X10	360	PER PLAN	16	WHITE	
G6	SUPPLY GRILLE	PRICE INDUSTRIES	520	DOUBLE DOT	STEEL	SURFACE	BORDER TYPE 1	16X12	14x10	440	PER PLAN	16	WHITE	

NOTES:

REFRIGERANT LIQUID, REFRIGERANT SUCTION, REFRIGERANT VENT

ITEMS	6" And Smaller
PIPE MATERIALS	Pipe, Copper Type ACR R280
JOINT TYPE	Brz - AWS A5.8, BAg-1 or BAg-2 Silver Solder
FITTING MATERIAL	Wrot Copper B16.22 (Long Radius)
FLANGES	150# Swt Companion Flange, Cast Bronze B16.24
GASKETS	Gasket, 1/8" Non-Asbestos Ring, B16.21
BOLT TYPE	Bolts, A307 Grade B Plated
VALVES	
GLOBE VALVE: SWT	500# Globe Valve, Packless Brass Swt - Henry Type 626
ANGLE VALVE: SWT	500# Angle Valve, Packless Brass Swt - Henry Type 647
HAND EXPANSION VALVE: SWT	500# Hand Expansion Valve, Packless Brass Swt - Henry Type 629
CHARGING / PURGING: SWT	500# Globe Valve, Packless Brass Swt - Henry Type 623
GLOBE: SWT	450# Globe Valve, Brnz Swt - Henry Type 203
CHECK : STRAIGHT, SWT	500# Check Valve, Straight Through Brass Swt - Henry 120
SPECIALTIES	
SOLENOID VALVES	Sporlon E3 or E5 Series
FILTER / DRYER: R-22, LIQUID LINE	Sporlon Catch-All CW-Series
STRAINER, Y-PATTERN	Sporlon Type 6000
PRESSURE GAUGE	N/A
MOISTURE-INDICATING SIGHT GLASS	Sporlon "See All" SA Series
NOTES:	

CONDENSATE DRAIN

ITEMS	2" And Smaller
PIPE MATERIALS	Pipe, Copper Type L B88
JOINT TYPE	Swt - Lead-Free Solder, Silvebrite 100
VICTAULIC COUPLING	N/A
FITTING MATERIAL	Wrot Copper B16.22
BRANCH TAKEOFF	T-Drill
FLANGES	150# Swt Companion Flange, Cast Bronze B16.24
GASKETS	Gasket, 1/8" Non-Asbestos Ring, B16.21
BOLT TYPE	Bolts, A307 Grade B Plated
VALVES	
BALL VALVES: SWT	150# Ball Valve, Two-Piece Full Port SP-110 Brnz Swt - Nibco S-585-70
GATE VALVES: SWT / FLG	N/A
GLOBE VALVES: SWT / FLG	125# Globe Valve, Screw-In Bonnet Integral Seat SP-80 Brnz Swt - Nibco S-211-Y
BUTTERFLY VALVES: GRV	N/A
SWING CHECK VALVES: SWT / FLG	125# Check Valve, Horizontal Swing Y-Pattern SP-80 Brnz Swt - Nibco S-413-B
N-S WAFER CHECK:	125# Ring Check Valve, Inline Lift Spring Actuated Brnz Swt - Nibco S-480
CIRCUIT BAL VALVE: SWT / FLG	300# Circuit Balancing Valve, Y- Pattern Brnz Swt - TA Hydronics 786
SPECIALTIES	
PRESSURE GAUGE 0-100#	Pressure Gauge, Aluminum Case, Brnz Thd - Weiss 4PG-N1
THERMOMETER	Thermometer, 9"Scale, 3-1/2" Stem, Variable Angle Thd - Weiss 9VU35-160
BACKFLOW PREVENTERS	RPBP, Quarter Turn Ball Valves Brnz Thd - Watts 009QT
DOUBLE CHECK VALVE	N/A
WATER PRESSURE REGULATING VALVES	300# Pressure Reducing Valve, Brnz Thd - Watts 25AUB-Z3
WATER HAMMER ARRESTOR	Sweat-On - PPP
TRAP PRIMER	CPO-500 Dual Flow - PPP
TRAP PRIMER - ELECTRONIC	PTS-4 TO 30 Electronic Manifold - PPP
TRAP PRIMER - ALTERNATIVE	Inline Floor Drain Trap Sealer - Sure Seal
STRAINERS	
STRAINER, Y-PATTERN	125# Strainer, Y-Pattern Brnz Swt - Mueller 358SN

NOTES: 1 - Use "Branch Takeoff" in lieu of fitting if branch piping is 1 sizes less than main or more. Example; Use 1-1/2" T-Drill in lieu of 2"x1-1/2" Tee.

SPLIT-SYSTEM AIR-COOLED HEAT PUMP SCHEDULE

TAG	CU-01-01 / FCU-01-01	CU-01-02 / FCU-01-02
SERVICE	BOAT MAINTANENCE	ASSEMBLY
LOCATION	1ST FLOOR	1ST FLOOR
EQUIPMENT		
MANUFACTURED	MITSUBISHI	MITSUBISHI
FAN COIL INDOOR MODEL	PLA-A30EAR	PEAD-A42AA7
CONDENSING UNIT OUTDOOR MODEL	PUY-A30NHA7	PUZ-A42NKA7
EFFICIENCY SEER (1)(3)	19.4	18.4
MIN SEC SEER	14	14
NOMINAL TONS COOLING	2.5	3.5
REFRIGERANT	R410a	R410a
SUPPLY FAN		
CFM	780	1,400
OUTSIDE AIR (60/7)	110	1,210
COOLING PERFORMANCE		
TOTAL MBH (1)	30	42
CONDENSING UNIT		
COMPRESSOR TYPE	INVERTER-DRIVEN	INVERTER-DRIVEN
STAGES	VARIABLE SPEED	VARIABLE SPEED
OUTDOOR UNIT MOP (AMPS)	28	31
OUTDOOR UNIT MCA (AMPS)	19	25
FLA (AMPS)	--	--
VOLT/PHASE	208 / 1	208 / 1
MOUNTING	WALL MOUNTED	WALL MOUNTED
SOUND PRESSURE (dBA)	55	55
FAN COIL		
FAN POWER (AMPS)	0.56	3.5
VOLT/PHASE	208/1	208/1
MOUNTING (4)	WALL	WALL
SOUND PRESSURE (dBA)	46	44
PHYSICAL		
FAN COIL WEIGHT (LBS)	57	91
FAN COIL DIMENSIONS W X D X H (IN X IN X IN)	31 X 31 X 12	56 X 29 X 10
CONDENSER WEIGHT (LBS) (5)	151	214
CONDENSER DIMENSIONS W X D X H (IN X IN X IN)	31 X 15 X 31	42 X 13 X 53
LIQUID LINE PIPING SIZE (IN)	3/8	3/8
VAPOR LINE PIPING SIZE (IN)	5/8	5/8
MAX PIPE LENGTH (FT)	225	225
MAX PIPE ELEVATION CHANGE (FT)	100	100
ACCESSORIES		
1" THROWAWAY FILTERS	NO	NO
PROGRAMMABLE THERMOSTAT: TAP-40MAU	YES	YES
LOW AMBIENT 40' TO -40 F	YES	YES
WIND BAFFLE: MD-PA4, MD-32A, MD-1E4	YES	YES
NOTES:		

NOTES:
1. FOR COOLING, RATINGS AT INDOOR CONDITIONS OF 80/67 F DB/WB, OUTDOOR CONDITIONS OF 95/75 F DB/WB.
2. INDOOR UNIT POWERED VIA OUTDOOR UNIT, FIELD INSTALLED POWER WIRING.
3. AIRSIDE ECONOMIZERS ARE NOT REQUIRED AS THIS EQUIPMENT SHALL COMPLY WITH 2018 SEC C403.5 EXCEPTION 1.
4. PROVIDE CONDENSATE SENSOR CONFORMING TO UL 508 THAT SHALL SHUT OFF THE EQUIPMENT IF THE DRAIN IS BLOCKED. THIS SHALL COMPLY WITH WSMC 307.2.3 AUXILIARY PROTECTION METHOD #4.
5. UNIT WEIGHT IS LESS THAN 400 POUNDS, STRUCTURAL CALCS ARE NOT REQUIRED FOR THIS PERMIT.
6. FCU-01-02 VENTILATION AIR BEING SERVED BY HRV-01-01.
7. FCU-01-01 VENTILATION AIR BEING SERVED BY NATURAL VENTALTION SMC PER C402.2. EXISTING ROLL UP DOOR WILL SERVE AS "OPERABLE AREA TO OUTDOORS". ROLL UP DOOR AREA IS 105 SF, BOAT MAINTANANCE AREA IS 1570 SF. PERCENTAGE OF OF OPENABLE AREA TO THE OUTDOORS IS 6.7%,GREATOR THAN THE 4% MINIMUM REQUIREMENTS.

HEAT RECOVERY DOAS UNIT SCHEDULE

TAG	HRV-01-01
LOCATION	CEILING
MANUFACTURER	RENTECH
MODEL NO.	SHR 1400
TYPE	HEAT RECOVERY CORE
AREAS SERVED	ASSEMBLY 105
SUPPLY FAN(S)	
AIRFLOW (CFM)	1210
ESP (IN)	0.75
PEDICHE OUTDOOR AIR	1005
FAN RPM	-
DRIVE	DIRECT
NOMINAL HP	0.5
RETURN/ EXHAUST FAN(S)	
AIRFLOW (CFM)	1210
ESP (IN)	0.75
FAN RPM	-
DRIVE	DIRECT
TOTAL HP	0.50
HEAT EXCHANGER	
INLET AIRFLOW (CFM)	1210
EXHAUST AIRFLOW (CFM)	1210
WINTER CONDITIONS	
UNIT'S ENTHALPHY (1)	55
SUPPLY FINAL FILTERS	
TYPE	PANEL
MERV RATING	6
FILTER THICKNESS (IN)	1
MAX FACE VELOCITY (FPM)	900
EXHAUST FILTERS	
TYPE	PANEL
MERV RATING	6
FILTER THICKNESS (IN)	1
MAX FACE VELOCITY (FPM)	900
ELECTRICAL DATA	
VOLT/PHASE	120/1
AMPS	2.7
PHYSICAL DATA	
LENGTH (IN)	48
WIDTH (IN)	26
HEIGHT (IN)	35
OPERATING WEIGHT (LBS)	238
ACCESSORIES	
FANS - SPRING ISOLATORS	NA
INVERTER DUTY MOTORS	NA
HRV FURNISH/INSTALL/WIRE	MC/MC/EC
CONTROLS	STANDALONE

NOTES:
1. HRV-01-01 IS UNDER 5,000 CFM. ENERGY RECOVERY VENTILATOR IS NOT REQUIRED PER SECTION C403.7.6 AND TABLES C403.7.3(1)/(2)
2. OCCUPANCY CLASSIFICATION BUSINESS (GROUP B).

LOUVER SCHEDULE

TAG	L-01-01	L-01-02
SERVICE	EXHAUST	OUTSIDE AIR
LOCATION	PER PLAN	PER PLAN
EQUIPMENT		
MANUFACTURER	RUSKIN	RUSKIN
MODEL	ELF375DXH	ELF375DXH
PHYSICAL		
DIMENSIONS (IN)	42"W x 18"H	42"W x 18"H
FREE AREA (SQ. FT)	2.44	2.44
FINISH (1)	BONE WHITE	BONE WHITE

NOTES:
1. COORDINATE WITH BUILDING OWNER
2. FIELD TO VERIFY FINAL LOUVER SIZE BEFORE ORDERING
3. GC TO INSTALL LOUVER AND WEATHERPROOF

EQUIPMENT AND LIGHTS WATTAGE CALCULATION

ROOM NAME	OCCUPANCY TYPE	ROOM (SQFT)	EQUIPMENT (WATTS)	LIGHT (W/SF)	EQUIPMENT (W/SF)	TOTAL	MEETS C403.5 EXCEPTION 1
100 BOAT MAINTANENCE	STORAGE	1570	1500	1	1.0	2.0	YES
105 ASSEMBLY	BUSINESS	1720	1500	1	0.9	1.9	YES
107 OFFICE	BUSINESS	104	150	1	1.4	2.4	YES
108 OFFICE	BUSINESS	104	150	1	1.4	2.4	YES
109 STORAGE	BUSINESS	55	0	1	0.0	1.0	YES

NOTES:
1. 2018 SEC C403.5 EXEPTION 1.

PLUMBING AND PIPE INSULATION SCHEDULE[4]

INSULATION SERVICE	PIPING SYSTEM	TEMP RANGE (DEGREES F)	CONDUCTIVITY BTU/IN/(HR*FT^2*F)	MEAN RATING TEMP (DEGREES F)	INSULATION TYPE	VAPOR BARRIER REQUIRED?	PIPE INSERT NOTE	PIPE SIZE				
								<1"	1" TO <1 1/2"	1 1/2" TO <4"	4" TO <8"	8" & OVER
REFRIGERATION [2]	REFRIGERATION SUCTION	<40	0.20 - 0.26	75	ELASTOMERIC	YES	H	1/2" [1, 5]	1"	1"	1"	1-1/2"
CONDENSATE DRAIN [3]	COIL CONDENSATE DRAIN	ALL	0.20 - 0.26	75	ELASTOMERIC	YES	H	1/2" [1]	1/2" [6]	1"	1"	1"
COMPLIANT WITH 2018 SEATTLE COMMERCIAL ENERGY CODE (SCEC).												

NOTES:
1. MINIMUM THICKNESS OF 1/2" IS REQUIRED BY TABLE C403.10.3 OF THE ENERGY CODE FOR THIS PIPE SIZE. 1" THICK INSULATION IS ALSO ACCEPTABLE AT NO ADDED COST IF PREFERRED BY SUBCONTRACTOR.
2. VERIFY REQUIREMENTS FOR REFRIGERANT SUCTION LINES FOR EACH APPLICATION.
3. INSULATE COIL CONDENSATE PIPING WHERE LOCATED IN CONDITIONED SPACE OR ABOVE CEILING OF CONDITIONED SPACE.
4. CODE REFERENCE SECTION FOR PLUMBING INSULATION IS SECTION 609.11 WA STATE AMENDMENT TO THE UPC AND FOR PIPING INSULATION IS SECTION C403.10.3 WA STATE ENERGY CODE.
5. PER SEC C403.10.4, MINIMUM INSULATION THICKNESS SHALL BE 1" FOR PIPING OUTDOORS.

THERMAL HANGER SHIELD INSERT NOTES:
H. PROVIDE THERMAL SHIELD INSERTS FOR ELASTOMERIC INSULATION OR USE WOOD DOWEL INSERTS WHERE REQUIRED PER MANUFACTURER'S INSTRUCTIONS.
FOR SMALL PIPING (<=1-1/4") WITH ELASTOMERIC INSULATION, INSERTS AND DOWELS MAY NOT BE REQUIRED, BUT DO NOT CRUSH INSULATION OR COMPROMISE THE VAPOR BARRIER.

DUCT INSULATION SCHEDULE [10]

DUCT TYPE [5]	LOCATION	CLIMATE ZONE	TEMP RANGE (DEGREES F)	INSULATION R-VALUE REQUIREMENT	INSULATION TYPE [6]
OUTSIDE AIR [2,7]	INSIDE CONDITIONED SPACE AND UPSTREAM OF AUTOMATIC SHUTOFF DAMPER[3]	4C	ALL	R-16 [1]	FIBERGLASS
	INSIDE CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER	4C	ALL	R-8 [1]	FIBERGLASS
SUPPLY AIR [4,7]	WITHIN CONDITIONED SPACE THAT THE DUCT DIRECTLY SERVES WHERE THE DUCT CONVEYS AIR THAT IS LESS THAN 55 F OR GREATER THAN 105 F	4C	<55 OR >105	NONE	NA
	WITHIN CONDITIONED SPACE WHERE THE DUCT CONVEYS AIR THAT IS 55 F OR GREATER; AND 105 F OR LESS	4C	55-105	NONE	NA
RETURN AIR [4, 8]	WITHIN CONDITIONED SPACE, DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	ALL	R-8	FIBERGLASS
EXHAUST AIR	WITHIN CONDITIONED SPACE, DOWNSTREAM OF AN ENERGY RECOVERY MEDIA, UPSTREAM OF AN AUTOMATIC SHUTOFF DAMPER	4C	ALL	R-8	FIBERGLASS
	WITHIN CONDITIONED SPACE AND DOWNSTREAM OF AUTOMATIC SHUTOFF DAMPER [9]	4C	ALL	R-16	FIBERGLASS
COMPLIANT WITH 2018 SEATTLE COMMERCIAL ENERGY CODE (SCEC).					

NOTES:
1. OUTSIDE AIR DUCTS SERVING INDIVIDUAL SUPPLY AIR UNITS WITH LESS THAN 2,800 CFM TOTAL SUPPLY AIR CAPACITY ONLY NEED R-7 INSULATION.
2. NOT REQUIRED IN UNVENTED EQUIPMENT ROOMS WITH COMBUSTION AIR LOUVERS PROVIDED THE ROOM IS ISOLATED FROM CONDITIONED SPACE WITH MINIMUM R-11 INSULATION.
3. INSULATE BETWEEN EXTERIOR ENVELOPE (WALL OR ROOF PENETRATION) AND AUTOMATIC SHUTOFF DAMPER.
4. INSULATION NOT REQUIRED FOR DUCTWORK WITHIN EQUIPMENT.
5. INSULATION FOR SHEET METAL PLENUMS SHALL BE THE SAME AS INDICATED FOR DUCTS. REFER TO OUTSIDE AIR, SUPPLY, RETURN, OR EXHAUST FOR SERVICE APPLICATION.
6. PROVIDE FSK INSULATION FOR DUCTS AND PLENUMS, EXCEPT PROVIDE FSK INSULATION WITH WEATHERPROOF ALUMINUM JACKET FOR DUCTS OUTSIDE THE BUILDING.
7. PROVIDE VAPOR-REWDER MASTIC ON SUPPLY AIR AND OUTSIDE AIR DUCTS AND PLENUMS.
8. RETURN AIR PLENUMS WITH PERMANENT OPENINGS TO CONDITIONED SPACE ARE CONSIDERED CONDITIONED SPACE.
9. INCLUDES DUCTS AND PLENUMS USED AS RELIEF AIR.
10. CODE REFERENCE IS SECTION C403.10.1 WA STATE ENERGY CODE.

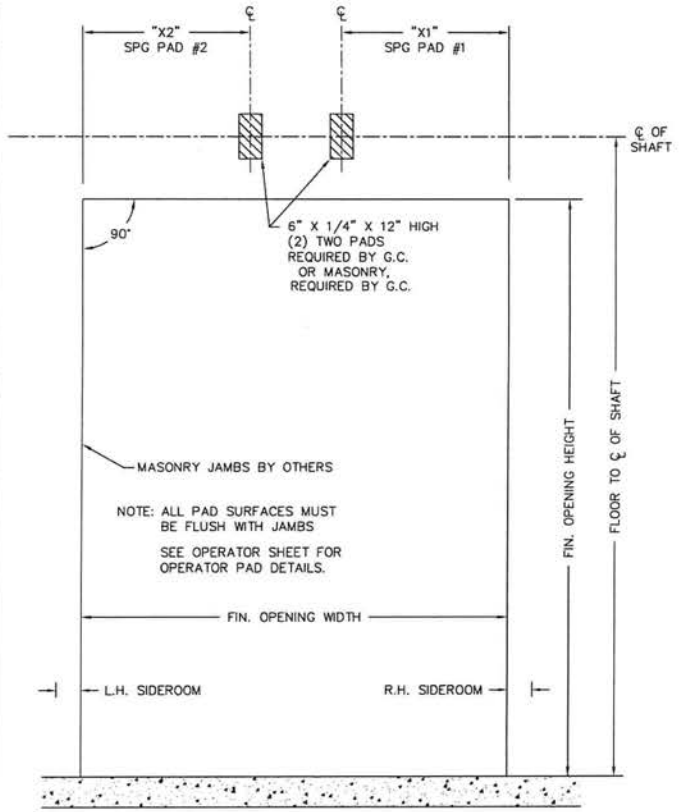
Issue: FOR PERMIT — Date: 03/29/2024
No. — Rev. Desc.

Project/Owner Information
SAIL SAND POINT
Project Address: 7861 62ND AVE NE, SEATTLE WA 98115
Owner:

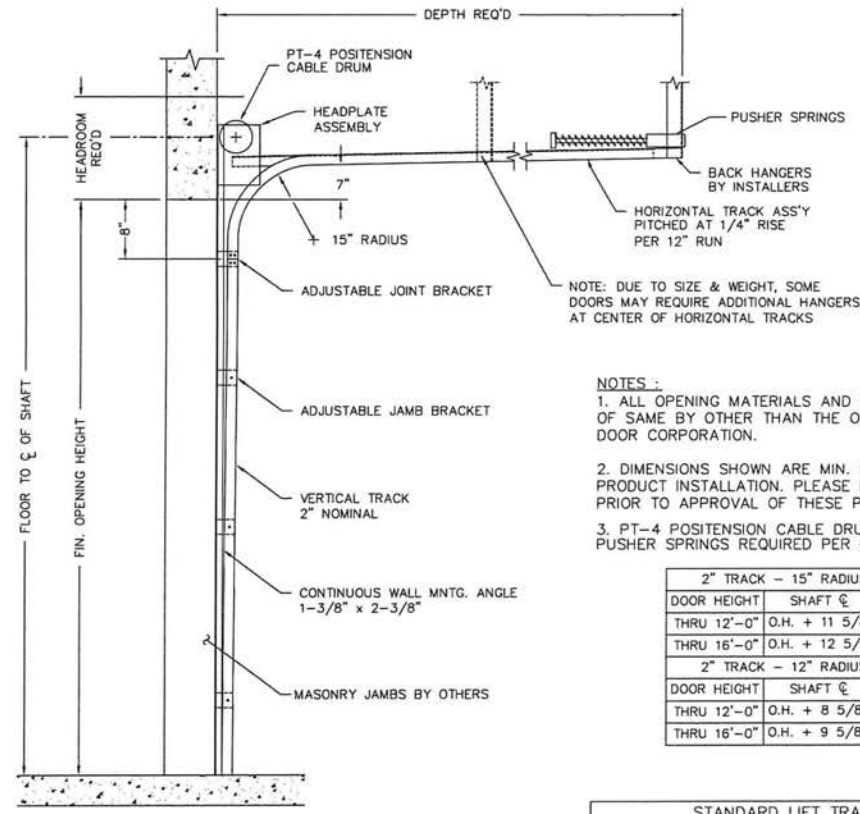
umc
umcl.com

Title: MECHANICAL SCHEDULES

Drawn By	UMC
Checked By	RAC
Original Issue Date	03/29/2024
Job No.	9292
Scale	AS SHOWN
Sheet No.	M1.01



INTERIOR ELEVATION



SIDE VIEW OF MOUNTED TRACK

NOTES :

1. ALL OPENING MATERIALS AND PREPARATION OF SAME BY OTHER THAN THE OVERHEAD DOOR CORPORATION.
2. DIMENSIONS SHOWN ARE MIN. REQUIRED FOR PRODUCT INSTALLATION. PLEASE FIELD VERIFY PRIOR TO APPROVAL OF THESE PRINTS.
3. PT-4 POSITENSION CABLE DRUMS AND PUSHER SPRINGS REQUIRED PER PIB-572

2" TRACK – 15" RADIUS – SHAFT ℄		
DOOR HEIGHT	SHAFT ℄	MIN HEADROOM
THRU 12'-0"	O.H. + 11 5/8"	14 1/4"
THRU 16'-0"	O.H. + 12 5/8"	20 1/2"
2" TRACK – 12" RADIUS – SHAFT ℄		
DOOR HEIGHT	SHAFT ℄	MIN HEADROOM
THRU 12'-0"	O.H. + 8 5/8"	11 1/4"
THRU 16'-0"	O.H. + 9 5/8"	17 1/2"

ARCHITECT DOOR NUMBER	OVERHEAD DOOR MARK	QTY	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	TRACK TYPE	TRACK PITCH	LIFT CLEARANCE	SHAFT CENTERLINE	"X1" SPRING PAD #1	"X2" SPRING PAD #2	HEADROOM REQUIRED	DEPTH REQUIRED (OPEN HT+1'-6")	LEFT HAND SIDEROOM	RIGHT HAND SIDEROOM
	521	1	12'0"	12'0"	2"	(STD) 1/4:12	7"	13'-5/8"	concrete	concrete	14'2"	15'-6 1/2"	5"	5"
					2"	(STD) 1/4:12	7"						5"	5"
					2"	(STD) 1/4:12	7"						5"	5"
					2"	(STD) 1/4:12	7"						5"	5"

STANDARD LIFT TRACK	
PROJECT	Sail Sand Point
ARCHITECT	Johnson Oak Life
CONTRACTOR	
DISTRIBUTOR	Overhead door Company of Seattle
PLANT	Nebraska
DISTRIBUTOR DWG. NO.	DATE:
SHEET 1-1	BY: Anthony Holcombe

The Genuine. The Original. OVERHEAD DOOR

PREPARED BY DISTRIBUTOR. NOT REVIEWED BY OVERHEAD DOOR CORPORATION. FORM REV B

STANDARD DUTY COMMERCIAL OPERATOR

ADVANCED INNOVATION.
SUPERIOR FUNCTIONALITY.

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

Standard features at a glance

Progressive braking*
An advanced DC brake system similar to anti-lock brakes brings the door to a soft stop for less wear and tear on the system.

Easy limit setting with LimitLock®
An electro/mechanical limit sensor that makes it easy to set and maintain limits.

Advanced radio receiver system with auto seek frequency range
Quickly and easily learns up to 250 CodeDodger® equipped transmitters. This system will automatically cycle between 315 and 390 frequencies. It can add and delete transmitters from the menu and easily identify which transmitters are operating the door.

16-character LCD display
Simplifies installation and troubleshooting. Intelligent menu structure and expanded self-diagnostics.

Voltage freedom with Voltamatic®
Voltamatic® provides 115/208/230V single phase in one unit, and 208/230/460V three phase in another unit. A separate 575V three phase unit is also available.

Auto-tensioning SuperBelt®
Automatically adjusts itself to the correct tension.

UL325 2010 compliant
This new standard requires the addition of monitored external entrapment devices prior to the operator working in momentary contact in the close direction.

Adjustable timed closed feature
Standard feature on the main logic board can close door automatically. Timer delay can be set from zero to five minutes in two second increments through the LCD display.

*Patents # 6,737,823 and # 6,388,412

Sectional Steel Door square foot limits

Commercial Steel Insulated & Non-insulated													
Model	HP	UL Listed	Door Series →		416	418	420	422	424	426	430	432	470
			Mounting type	Max. door weight (Lbs)	16 GA. flush steel	16 GA. flush steel insulated	20 GA. ribbed steel	20 GA. ribbed steel insulated	24 GA. ribbed steel	24 GA. ribbed steel insulated	Normal 24 GA. ribbed steel	Normal 24 GA. ribbed steel insulated	Styrene steel back insulated
RSX®	1/2	Yes	T/S/C	1120	294	230	366	294	448	330	326	326	281
RSX®	3/4	Yes	T/S/C	1370	366	294	448	366	490	406	326	326	281
RSX®	1	Yes	T/S/C	1620	448	366	536	448	536	490	326	326	281

Thermacore												Aluminum	
Model	HP	UL Listed	Door Series →		591	592	593	594	596	598	599	850	511	521
			Mounting type	Max. door weight (Lbs)	Ribbed steel 1-5/8"	Ribbed steel 2"	Ribbed steel 1-3/8"	Raised panel steel 1-3/8"	20 GA. flush steel 2"	Ribbed steel 1"	Ribbed steel 2"	20 GA. flush steel 3"		
RSX®	1/2	Yes	T/S/C	1120	406	406	326	326	360	200	406	360	326	406
RSX®	3/4	Yes	T/S/C	1370	490	448	326	326	404	200	448	400	326	506
RSX®	1	Yes	T/S/C	1620	591	494	326	326	448	200	494	460	326	526

T = Trolley S = Jackshaft, Side Mount C = Jackshaft, Center Mount
Note: Total door weight, and not the square footage, is the critical factor in selecting the proper operator. Square foot measurements are based on "square doors." (Example = 16' x 16')
Note: Doors that require special windloading and wide doors normally require increased strutting (reinforcement). Strutting doors can significantly increase door weight beyond maximum weight shown. Consult the technical support group at 1-800-275-6187.

Rolling Steel Door square foot limits

Model	HP	UL listed	Rolling Steel Doors									
			600	610/620			625				627	
			Coil-Away™	22 GA.	20 GA.	18 GA.	24 GA.	22 GA.	20 GA.	18 GA.	24 GA.	22 GA.
RSX®	1/2	Yes	256*	292	255	194	179	156	145	123	190	192
RSX®	3/4	Yes	256*	375	327	249	230	200	185	158	228	192
RSX®	1	Yes	256*	480	419	319	294	256	237	202	266	252

Model	HP	UL listed	FireKing® Rolling Fire Doors/Shutters						Counter	Grilles	
			635**		630/631/634**			640/641	650/651/652	670	671
			24/24 GA.	22/24 GA.	22 GA.	20 GA.	18 GA.	22 GA.	22 GA. /Alum	Alum	Steel
RSX®	1/2	Yes	100	81	168	169	132	N/A	All*	450	156
RSX®	3/4	Yes	100	81	168	169	132	N/A	All*	500	215
RSX®	1	Yes	100	81	168	169	132	N/A	All*	600	285

Note: Door chart represents max. door height of 24ft., over 24ft high consult factory.
* Operator must be wall mounted.
** Must use the Auxiliary Input/Output Module part number OPABIOXS when used in conjunction with a Fire Sentinel® Release Device.

RSX®

Optional accessories

Accessory	Description
Transmitters 	The RSX® operator features a built-in Radio Receiver System that can store up to 250 transmitters, giving the customer the ability to identify which transmitters have been operating the door. Radio transmitters may be single-button, two-button, three-button, four-button, or Open-Close-Stop. They are easily programmed or erased using the LCD display. The patented CodeDodger® technology cycles between 315 and 390 MHz with the touch of a button.
Motors 	The following motors are available when specified*: • **Totally Enclosed Non Ventilated (TENV)** • **Totally Enclosed Fan Cooled (TEFV)** • **Environmental modifications: TENV, TEFC, NEMA 4 and NEMA 4X**
Auxiliary modules 	• **Timer to Close Module** – provides auxiliary control inputs, auxiliary safety inputs auxiliary timer hold input, and an automatic door closing feature with a user- selectable time delay. Safety inputs can be enabled or disabled using the on board keypad. A monitored safety edge or photo eyes must be installed when using the timer to close feature. • **Auxiliary Output Module** – this plug-in module will provide several auxiliary sets of dry contacts that are microprocessor controlled. Outputs can be configured using the on-board keypad.
Sensing devices 	• **Bottom Sensing Edge** – stops and reverses the door upon contact with an obstruction. • **Safe-T-Beam®** – senses an obstruction and signals the operator to stop or reverse the door.

*TENV, TEFC, NEMA 4 and NEMA 4X environmental options not available on all horsepower models. See price book for details.

RSX® advantages

Mounting

A wide variety of mounting options are available to fit any application including:

Sectional Doors: Standard, side mount, and dual trolley applications. Side mount and center mount direct couple to the door shaft with or without hoist. Hoist models are left-hand or right-hand.

Rolling Steel Doors: With or without hoist, front of hood, top of hood, bench mount and wall mount. Hoist models are left-hand or right-hand.

Motor*

Open drip-proof motor available in ½, ¾ and 1 horsepower, single or three-phase. Totally enclosed non-ventilated (TENV) construction and totally enclosed fan cooled (TEFC) construction units, NEMA 4 and NEMA 4X are available as options.

On-board radio receiver

This standard feature can add radio functionality to every job with no additional cost for the receiver. Stores up to 250 CodeDodger® transmitters including the commercial dual frequency cycling versions.

Drive reduction

Primary reduction is SuperBelt®, an auto tension poly-V flex belt that does not require adjustment. Secondary reduction is by chain and sprocket.

Direct coupling (optional on sectional doors only)

Provides fast, easy installation and prevents chain slacking. Available on sectional side/center mount jackshaft and hoist units.

Timed Close

Doors can be set to automatically close after a two second to five minute delay.

Mechanical brake system

24V DC Disc Brake. Fewer mechanical parts for improved reliability.

Clutch

Adjustable disc-type helps protect door and operator from major damage should the door meet an obstruction.

Cycle counter

LCD (liquid crystal display) clearly indicates the exact number of cycles logged for easy maintenance support.

Adjustable shaft

Output shaft can be moved from one side to the other, providing flexible installation options.

Trolley rail assembly

High strength 2 inch structural angle for added strength and durability.

NEMA 4/4X operators (optional)

Available for wet, dusty and corrosive environments.

CodeDodger® commercial dual frequency cycling transmitters (optional)

Available in 1, 2, 3, 4-button and Open/Close/Stop versions. Automatically operates at both 315 and 390 MHz every time a button is pressed.

Limited Warranty

RSX® operator features a 2-year or 20,000 cycle limited warranty. See installation manual for complete limitations and details.

*TENV, TEFC, NEMA 4 and NEMA 4X environmental options not available on all horsepower models. See price book for details.

Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

overheaddoor.com

The original, innovative choice for unequalled quality and service.

Overhead Door Corporation pioneered the sectional garage door industry, inventing the first sectional garage door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door™ products more often than any other brand. Our family of over 400 Overhead Door™ Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.

OVERHEAD DOOR®
INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

2501 S. State Hwy. 121 Bus., Suite 200, Lewisville, TX 75067
1-800-929-DOOR • sales@overheaddoor.com
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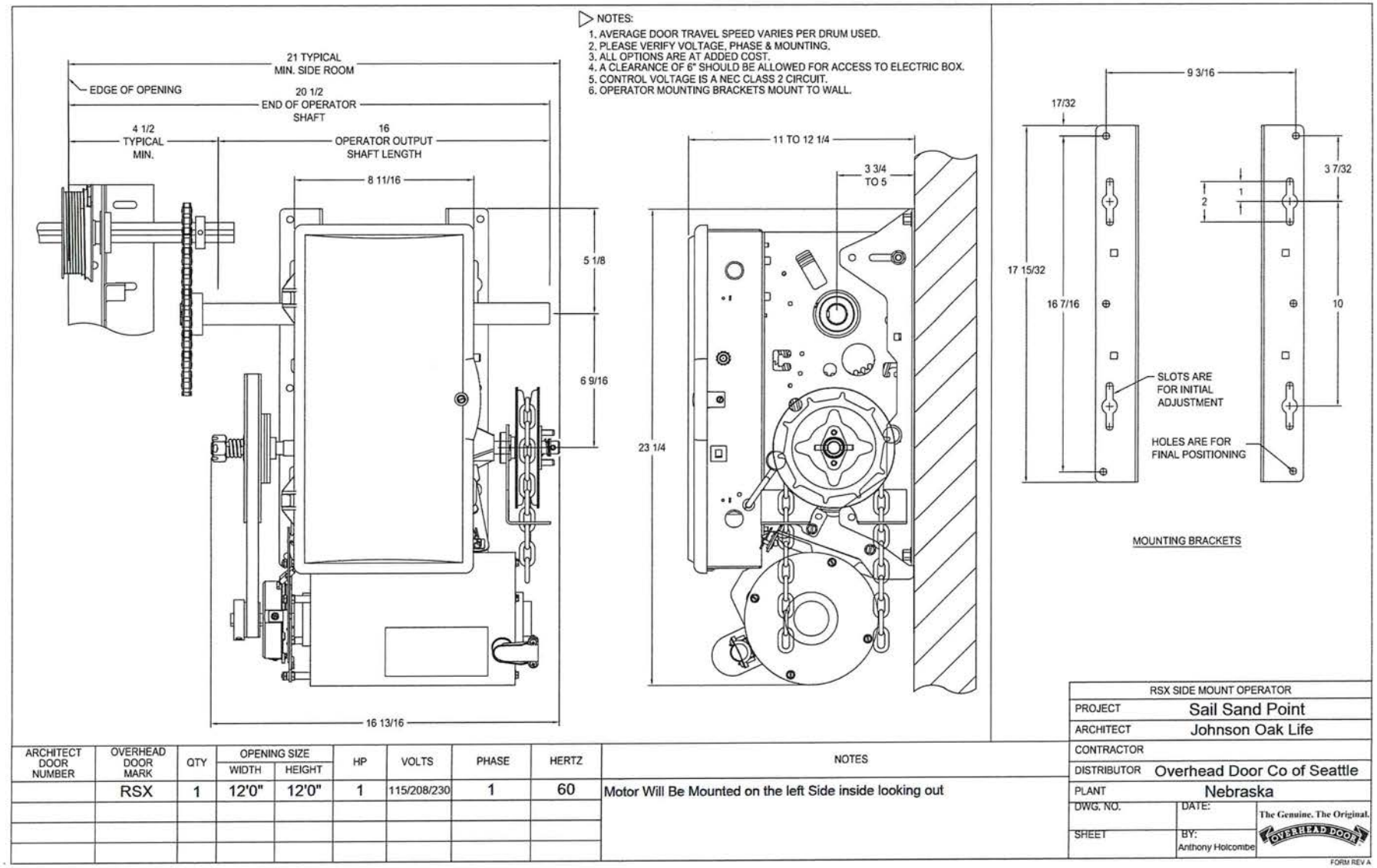


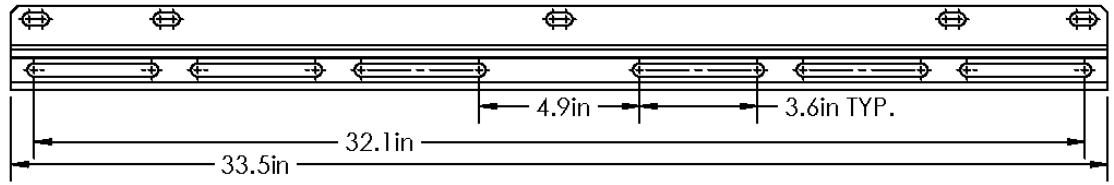
ARCHITECT DOOR NUMBER	OVERHEAD DOOR MARK	QTY	OPENING SIZE WIDTH	OPENING SIZE HEIGHT	HP	VOLTS	PHASE	HERTZ	NOTES
	RSX	1	12'0"	12'0"	1	115/208/230	1	60	Motor Will Be Mounted on the left Side inside looking out

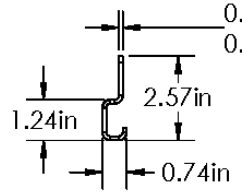
RSX SIDE MOUNT OPERATOR	
PROJECT	Sail Sand Point
ARCHITECT	Johnson Oak Life
CONTRACTOR	
DISTRIBUTOR	Overhead Door Co of Seattle
PLANT	Nebraska
DWG. NO.	DATE:
SHEET	BY: Anthony Holcombe

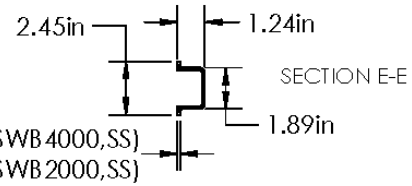
The Genuine. The Original. OVERHEAD DOOR

FORM REV A

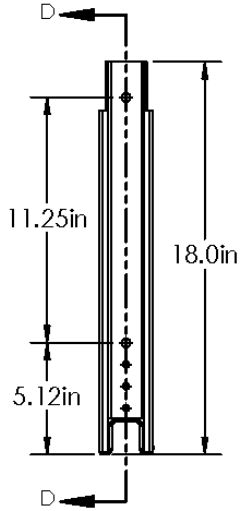
QSWB2000,SS and QSWB4000,SS Horizontal Glide Track



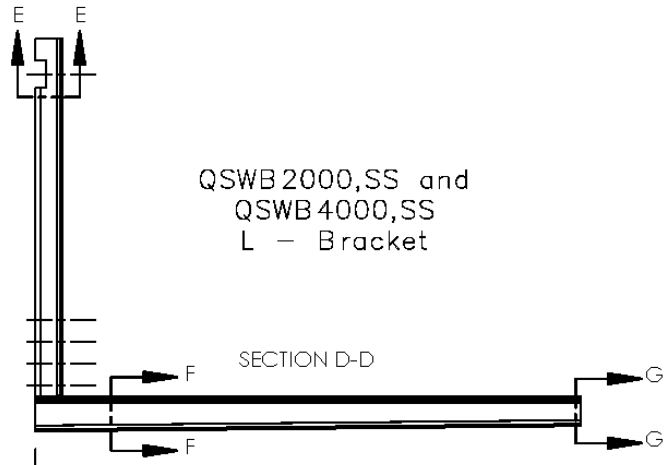




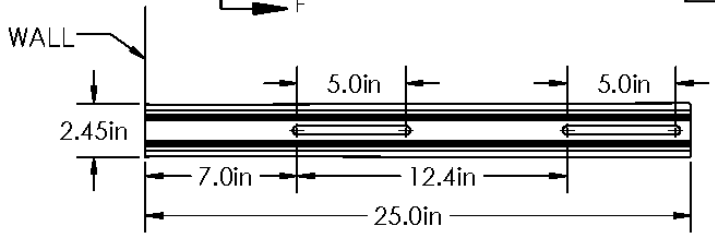
QSWB2000,SS and QSWB4000,SS Wall Bracket Systems are dimensionally identical except for the sheet metal thickness used to form each of the components.
QSWB2000 uses 14ga. stock. QSWB4000 uses 11ga. stock.



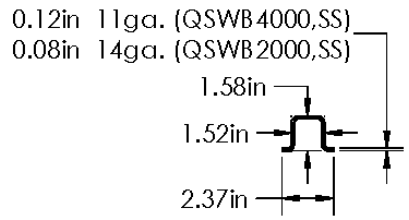
QSWB2000,SS
QSWB4000,SS
Bracket
Mounting
Face



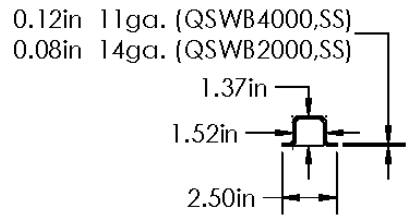
QSWB2000,SS and
QSWB4000,SS
L – Bracket



QSWB2000,SS/QSWB4000,SS
Equipment Mounting Face



SECTION F-F



SECTION G-G

RANDALL M. BACHTEL LICENSE No. 80017 STATE OF FLORIDA PROFESSIONAL ENGINEER
08 JUN 17

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MILLIMETERS]
TOLERANCES ARE: ANGLES ±1.0°
FRACTIONAL SIZES X/Y ±1/64
INCHES .X = ±0.1 .XX = ±0.01 .XXX = ±0.005
[MILLIMETERS] [.X = ± 2.5] [.X = ± 1.3] [.XX = ±0.13]
THIRD ANGLE PROJECTION

DIVERSITECH

DO NOT SCALE DRAWING

MATERIAL: AISI 1045 Steel / Sy >= 59ksi
DWG. NO.: A/C Condensing Unit Wall Bracket Systems
REV.: A
28AUG17
DESCRIPTION: Models: QSWB2000, QSWB2000SS, QSWB4000 & QSWB4000SS
SHEET 2 OF 5

QSWB Wall Mounting Brackets

Installation Instructions – Professional Installation Required

1. Ensure that the supporting wall structure that the bracket will be mounted on is capable of supporting the weight of the air conditioner unit and bracket and can support the anchor loads as indicated on the QSWB specification sheet, Pgs. 1 & 3.

2. Use the correct size wall mounting bracket (QSWB2000 or QSWB4000) to match up with the condenser unit weight. See Pg–1.

3. Remove the three wall mounting bracket parts and bag of hardware from the box.

4. Mount the horizontal glide track to the wall using 3 of the 5 anchors. Lag screws for wood and expansion anchors for concrete. Alternate anchors can be used by following the anchor schedule found in the QSWB specification sheet, Pg–4.

5. Mount the L–brackets to the guide track by using the hardware provided. (NOTE: Insert the 1 □ x 3/8□ bolts and washers thru the L–bracket into the spring nuts).

6. Insert ¼–20 carriage bolts with nuts through the bottom side of the L–bracket for equipment mounting. Place rubber washer (vibration and noise reducers) and nut to the top of the L–bracket equipment mounting bar.

RANDALL M. BACHTEL
LICENSE
No. 80017
STATE OF FLORIDA
PROFESSIONAL ENGINEER
08 JUN 17

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES [MILLIMETERS]
TOLERANCES ARE: ANGLES ±1.0°
FRACTIONAL SIZES X/Y ±1/64
INCHES [MILLIMETERS]
.X = ±0.1 [.X = ± 2.5]
.XX = ±0.01 [.X = ± 1.3]
.XXX = ±0.005 [.XX = ±0.13]
THIRD ANGLE PROJECTION

DIVERSITECH

DO NOT SCALE DRAWING

MATERIAL: AISI 1045 Steel / Sy >= 59ksi
DWG. NO.: A/C Condensing Unit Wall Bracket Systems
DESCRIPTION: Models: QSWB2000, QSWB2000SS, QSWB4000 & QSWB4000SS
REV. A
28AUG17
SHEET 5 OF 5

Extended Sill & Extended Sill with End Dams

RUSKIN
AUTHORITY IN AIR CONTROL

APPLICATION

Extended sill are used as a secondary water protection barrier to help keep water from entering.

STANDARD CONSTRUCTION

1	**Formed Extended Sill With End Dams**	Formed Aluminum 0.08" Sheet
2	**Formed Extended Sill Without End Dams**	Formed Aluminum 0.08" Sheet
3	**Formed Intermediate Gutter**	Formed Aluminum .080" Sheet
4	**Extruded Extended Sill 4.50" Deep**	6063-T6 Extruded Aluminum .063"
5	**Formed Sill Lap Strip 3.00" Wide**	Formed Aluminum .040" Sheet

5 YEAR LIMITED WARRANTY

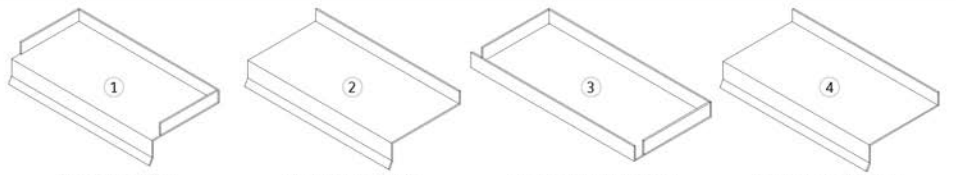
ISO9001 CERTIFIED

SUBSTITUTIONS, CONSTRUCTION

1	**Formed Extended Sill With End Dams**	Formed Aluminum .080" Sheet
2	**Formed Extended Sill Without End Dams**	Formed Aluminum 0.125" Sheet, Galvanized, 304SS, 316SS
3	**Formed Extended Sill Without End Dams**	Formed Aluminum 0.125" Sheet, Galvanized, 304SS, 316SS

Consult Ruskin for additional information.

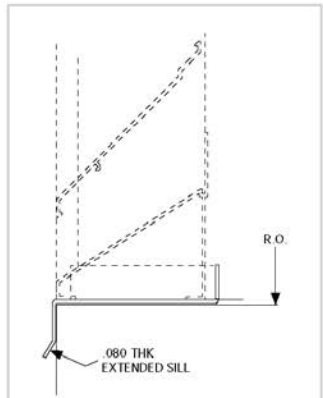
STANDARD DRAWING



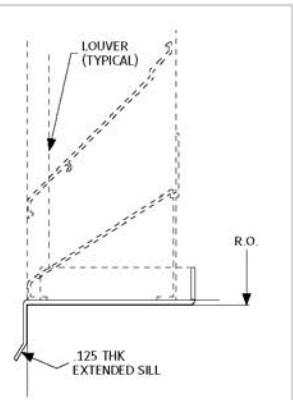
Extended Sill With End Dams | Extended Sill Without End Dams | Intermediate Gutter With End Dams | Extruded Extended Sill 4.50" Deep

NOTES:
- When painted - .080" Thk. material is to be the minimum thickness.
- Sills 4.50" deep or deeper are formed of .080" Thk. material or thicker.
- Penthouse Sill application - Sill is formed of .125" Thk. material.
- Material used - 5005-H34 for mill finish and anodized sills. (Note: Sills formed prior to anodizing)

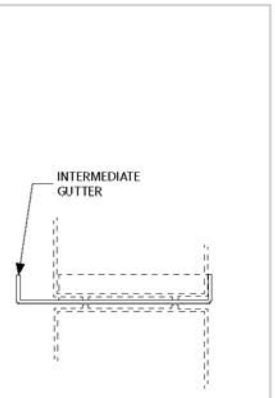
STANDARD DRAWING



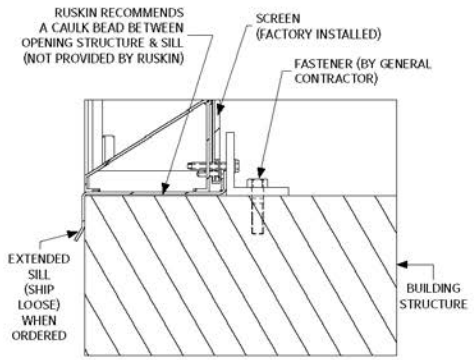
DETERMINING HEIGHT UNDERSIZING FOR .080 THICK EXTENDED SILL



DETERMINING HEIGHT UNDERSIZING FOR .125 THICK EXTENDED SILL



GUTTER APPLICATION DETAIL STACKED LOUVER OPTION



SPECIAL EXTENDED SILL

LINKS TO IMPORTANT DOCUMENTS

Document Title
Paint Finishes and Color Guide
Limited Warranty Document

RUSKIN®
AUTHORITY IN AIR CONTROL
3900 Doctor Greaves Road
Grandview, MO 64030
Website: www.ruskin.com
Phone: (816) 761-7476