HVAC LEGEND

RL — REFRIGERANT LIQUID/SUCTION PIPE

– – – – – – – – – – – – – – – – – – UNDERGROUND PIPING

HVAC ABBREVIATIONS

ERV ENERGY RECOVERY VENTILATOR
HVAC HEATING, VENTILATION, & AIR-CONDITIONING
RL REFRIGERANT LIQUID
RS REFRIGERANT SUCTION

ELECTRICAL LEGEND

ES — ELECTRICAL SERVICE CONDUIT

ELECTRICAL ABBREVIATIONS

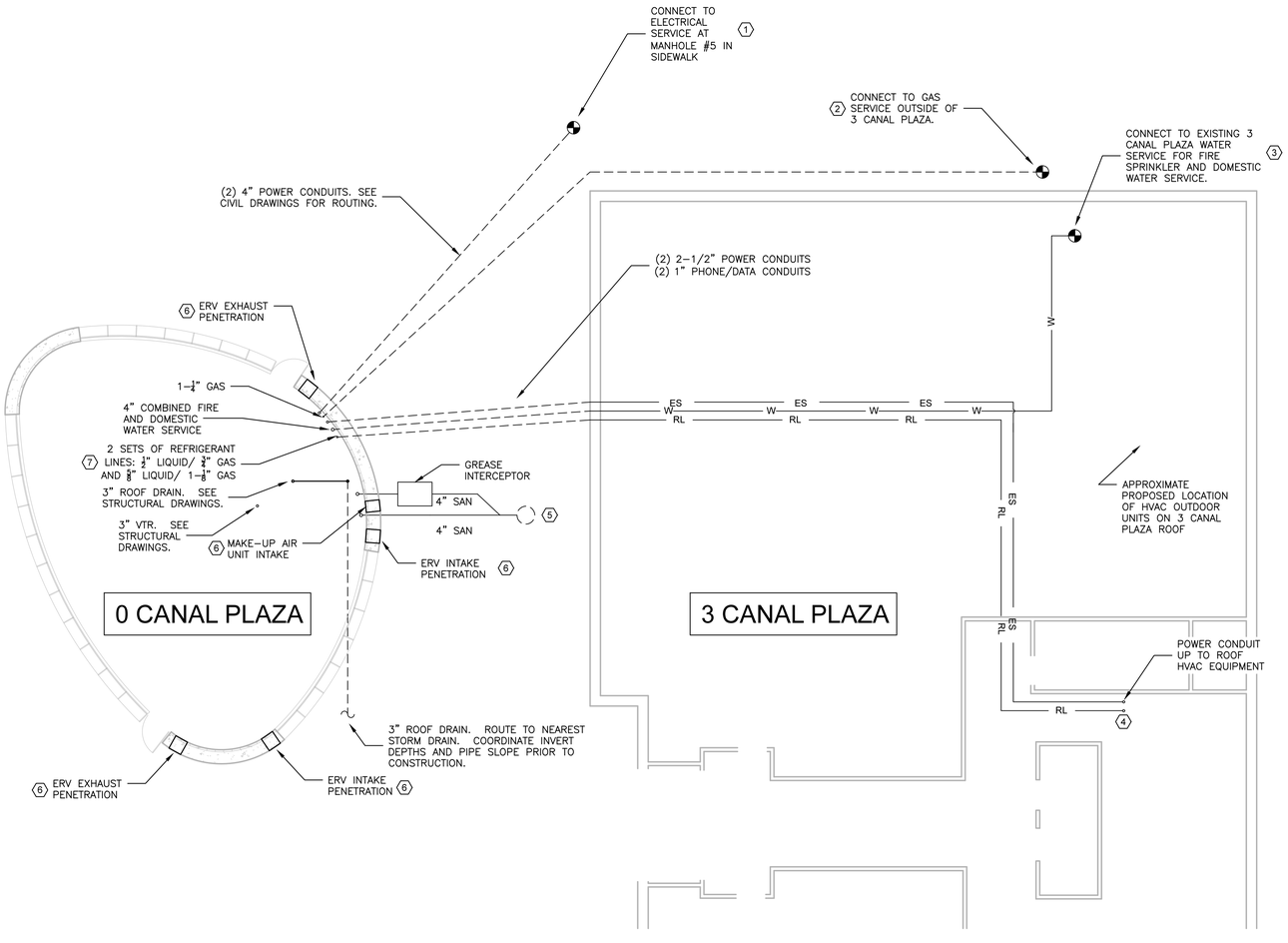
ES ELECTRICAL SERVICE

PLUMBING LEGEND

——— – ——— – ——— DOMESTIC COLD WATER PIPE
——— G ——— G ——— NATURAL GAS PIPE
——— SS ——— SAN SANITARY SEWER PIPE
——— SD ——— STORM DRAIN PIPE
– – – – – – – – – – – – – – – – – – UNDERGROUND PIPING
— — — — — — — — — — VENT PIPE

PLUMBING ABBREVIATIONS

DCW DOMESTIC COLD WATER
DWV DRAIN/WASTE/VENT
G NATURAL GAS
SAN SANITARY
SD STORM DRAIN
SS SANITARY SEWER
VTR VENT THROUGH ROOF



A MEP PLAN
1/8" = 1'0"

GENERAL NOTES

1. ALL LOCATIONS ARE DIAGRAMMATIC ONLY. DESIGN-BUILD CONTRACTOR WILL HAVE TO VERIFY FIELD CONDITIONS AND FINAL DESIGN REQUIREMENTS.
2. ORGANIZATION AND LOCATION OF UTILITY CONNECTIONS MAY BE ADJUSTED BASED ON FIELD CONDITIONS AND FINAL DESIGN REQUIREMENTS.

KEY NOTES

(1) SEE DWG. MEP 600 FOR ELECTRICAL SINGLE LINE DIAGRAM. SEE CIVIL DRAWINGS FOR CONDUIT ROUTING TO MANHOLE #5. FINALIZE CONNECTION REQUIREMENTS WITH CENTRAL MAINE POWER.

(2) COORDINATE WITH UNITIL. SEE CIVIL DRAWINGS FOR UNDERGROUND GAS PIPE ROUTING.

(3) CONNECT DOWNSTREAM OF EXISTING 3 CANAL PLAZA WATER METER, BUT UPSTREAM OF ANY 3 CANAL PLAZA ISOLATION VALVES. INSTALL NEW WATER METER TO SUB-METER 0 CANAL PLAZA. CONFIRM ACCEPTABLE CONFIGURATION WITH PORTLAND FIRE DEPARTMENT AND PORTLAND WATER DISTRICT PRIOR TO CONSTRUCTION.

(4) TWO SETS OF REFRIGERANT LIQUID AND SUCTION LINES (INCLUDES PLUS POWER AND COMMUNICATIONS), AND ELECTRICAL POWER UP TO 3 CANAL PLAZA ROOF.

(5) CONNECT TO SEWER MANHOLE. SEE CIVIL DRAWINGS. COORDINATE INVERT DEPTHS AND PIPE SLOPE PRIOR TO CONSTRUCTION.

(6) SEPARATE INTAKES FROM ALL EXHAUSTS BY A MINIMUM OF 10 FEET, OR AS REQUIRED BY CODE. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR PRECISE LOCATION OF BOND-OUTS.

(7) SEE DWG. MEP 600 FOR REFRIGERANT LINE SIZES AND OUTDOOR CONDENSER INFORMATION. COORDINATE REFRIGERANT LINE ROUTING WITH OWNER. COORDINATE OUTDOOR CONDENSER LOCATION ON ROOF WITH OWNER.

NOT FOR CONSTRUCTION

REV:	DESCRIPTION:	BY:	DATE:

STATUS: BRIDGING DOCUMENTS

RIPCORD ENGINEERING
PO BOX 4175
PORTLAND, ME 04101
207.331.7900

CLIENT: EAST BROWN COW
100 COMMERCIAL STREET
PORTLAND
MAINE

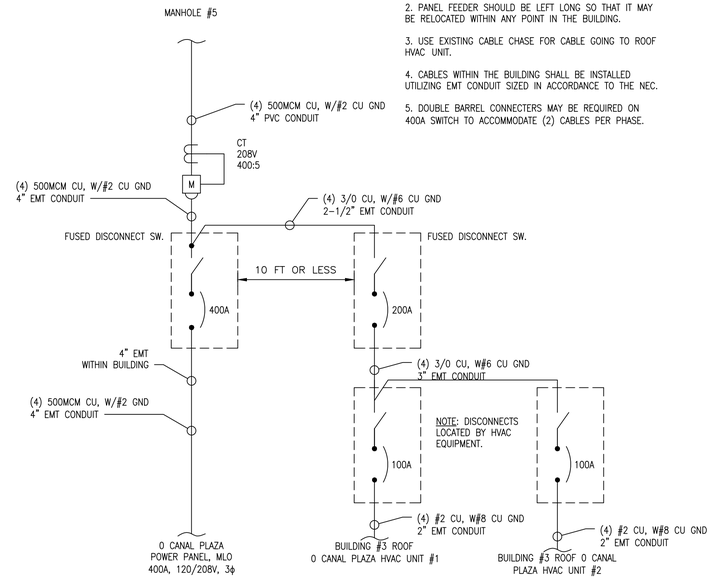
ARCHITECT: CANAL 5 STUDIO
1 CANAL PLAZA #888
PORTLAND
MAINE

SITE: 0 CANAL PLAZA

TITLE: MEP PLAN

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1/8"=1'0"	9/19/16	SMB	SMB
PROJECT NO:	DRAWING NO:		REVISION:
15-016	MEP100		B

	OUTDOOR CONDENSING UNIT												
TAG	HEATING CAPACITY AT 5 DEG F (BTU/H)	COOLING CAPACITY AT 95 DEG F (BTU/H)	H X W X D (INCHES)	WEIGHT (LBS)	LIQUID LINE (IN)	SUCTION LINE (IN)	VOLTAGE	PHASE	HERTZ	MCA	MANUFACTURER	MODEL	NOTES
OU-1	80,000	72,000	66 X 37 X 30	497	1/2	3/4	208 / 230	3	60	59	MITSUBISHI	PUHY-HP72TJMU-A-BS	1,2,3
OU-2	80,000	72,000	66 X 37 X 30	497	1/2	3/4	208 / 230	3	60	59	MITSUBISHI	PUHY-HP72TJMU-A-BS	1,2,3
NOTES:													
1. MOUNT A MINIMUM OF 24 INCHES ABOVE THE ROOF FOR SNOW. USE COMPATIBLE MOUNTING PLATFROM FROM QUICKSLING OR BIGFOOT.													
2. ORDER SEA COAST MODEL FOR SALT AIR PROTECTION.													
3. IF TWO OUTDOOR UNITS ARE INSTALLED, THEY MUST BE CONNECTED TO 0 CANAL PLAZA VIA A TWINNING KIT . REFRIGERANT LINES FROM TWINNING KIT TO BUILDING ARE 5/8" LIQUID, 1-1/8" GAS.													



1. 208V POWER PANEL WILL BE TEMPORARILY MOUNTED SUBJECT TO FINAL LOCATION BY TENANT.

2. PANEL FEEDER SHOULD BE LEFT LONG SO THAT IT MAY BE RELOCATED WITHIN ANY POINT IN THE BUILDING.

3. USE EXISTING CABLE CHASE FOR CABLE GOING TO ROOF HVAC UNIT.

4. CABLES WITHIN THE BUILDING SHALL BE INSTALLED UTILIZING EMT CONDUIT SIZED IN ACCORDANCE TO THE NEC.

5. DOUBLE BARREL CONNECTERS MAY BE REQUIRED ON 400A SWITCH TO ACCOMMODATE (2) CABLES PER PHASE.

A ELECTRICAL SINGLE LINE DIAGRAM

ELECTRICAL LEGEND

- CURRENT TRANSFORMER
- X CIRCUIT BREAKER
- M METER
- X FUSED DISCONNECT SW.
- DISCONNECT SW.

ABBREVIATIONS

A	AMP
CT	CURRENT TRANSFORMER
V	VOLT
CU	COPPER
GND	GROUND
SW	SWITCH
AL	ALUMINUM
MLO	MAIN LUG ONLY

NOT FOR CONSTRUCTION

REV:	DESCRIPTION:	BY:	DATE:

STATUS: BRIDGING DOCUMENTS

RIPCORD ENGINEERING
PO BOX 4175
PORTLAND, ME 04101
207.331.7900

CLIENT: EAST BROWN COW
100 COMMERCIAL STREET
PORTLAND
MAINE

ARCHITECT: CANAL 5 STUDIO
1 CANAL PLAZA #888
PORTLAND
MAINE

SITE: 0 CANAL PLAZA

TITLE: MEP
SCHEDULES & SCHEMATICS

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
NTS	9/19/16	SMB	SMB

PROJECT NO:	DRAWING NO:	REVISION:
15-016	M600	B