

Section 1: System Overview

Rfwel
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Wireless Extension for Internet/LAN HVAC Tstat Control

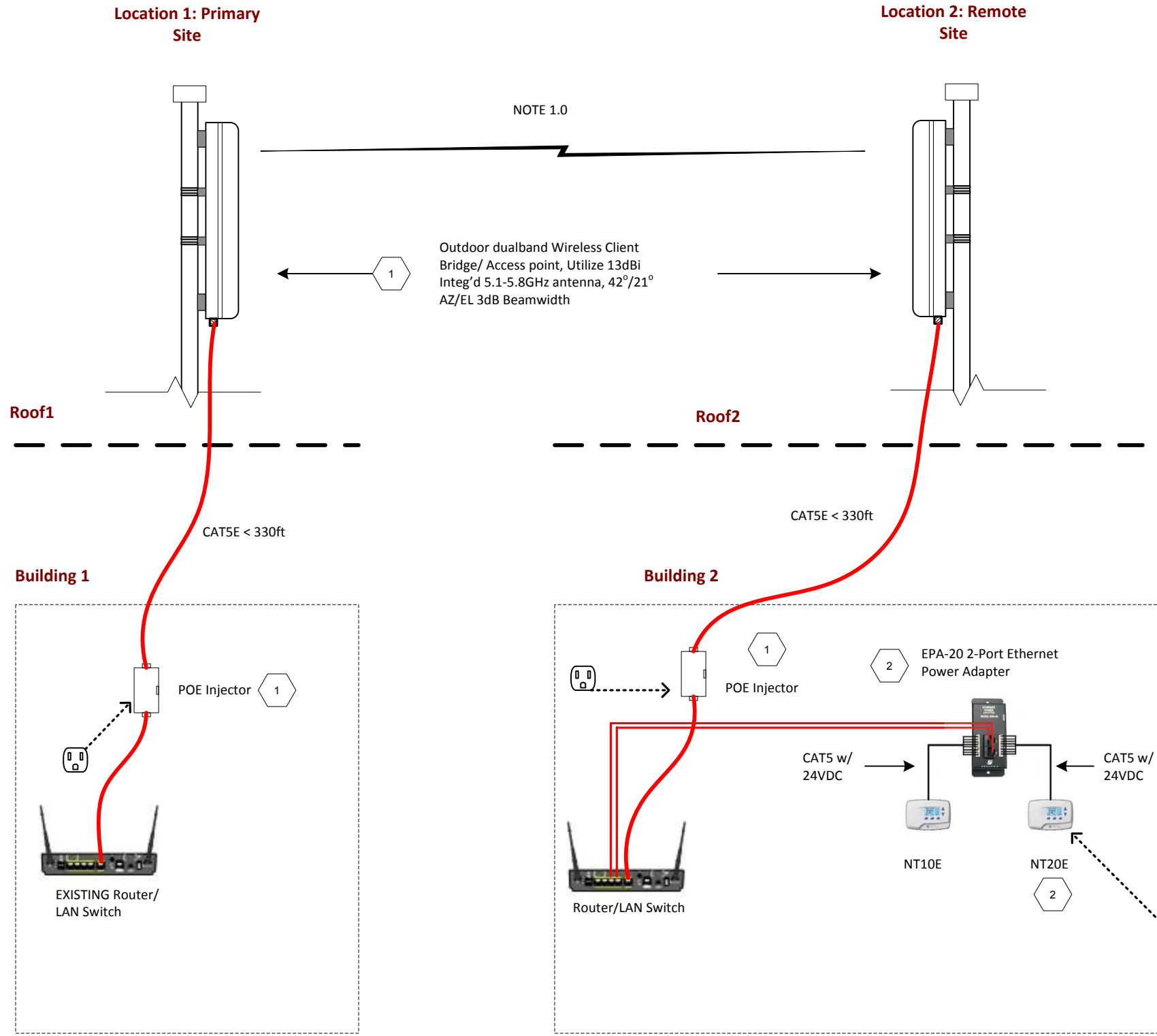
Extend LAN 1000ft for IP Thermostat Control
JOB # BWA-xxxx-xxxx
Section 1.0: System Overview

DRAWN BY: RT (Engr)	SIZE	LIC NO	DWG NO	REV
APPROVED BY:		AZ ROC # 253407	BW-40xxxxxx-001	1A
FREQ(s): 2.4GHz ISM, 5GHz ISM/UNII	SCALE	NO SCALE	FRN: 0018086041	SHEET 1 OF 1

Bill of Materials			
ITEM	QTY.	RFWEL SKU	DESCRIPTION
1	2	EOC-5610	Engenius 600mW 802.11a/b/g Outdoor AP/CB
2	1	HANT20E-EPA20	Internet Controllable Network Thermostat Bundle

NOTES:

1.0 Designed for a 1,000ft Line-of-Sight link (70% 1st Fresnel Zone Clearance). A Careful RF link analysis required if the path from primary site to secondary site is fully or partially obstructed. We design this to utilize 802.11a 5GHz Wireless to overcome any possible 2.4GHz interference. The primary site radio is configured as an Access Point (AP) and secondary site as a Client Bridge (CB).



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