

TC 10 Request for Information

generated by Dave Helmericks

Project Manager

Yavapai- Apache Nation

RFI #

005

Date

1/5/26

From

CONNELLY / YANTH

To

PERLMAN

Question

1- ALL OF BUILDING PLANS FOR TC 10 ARE SHOWING GFCI FOR HWH RANGE DRYER - DO THEY EVEN MAKE ONE? WHAT ARE WE REQUIRED TO INSTALL?

2- THE FRIDGE IS THAT HAVE TO BE A DEDICATED CIRCUIT (20 AMP TO FRIDGE ONLY) CAN IT ALSO SERVE COUNTER TOP OUTLETS?

Answer

ELECTRICAL RESPONSE:

1) FOR THE RANGE, WATER HEATER AND DRYER, A GFCI CIRCUIT BREAKER WOULD PROVIDE ADDITIONAL PROTECTION BUT NOT REQUIRED BY CODE.

2) ONE OF THE SMALL APPLIANCE CIRCUITS SERVING THE COUNTERTOP RECEPTACLES CAN ALSO PICK UP THE REFRIGERATOR CIRCUIT.

ERIC MARTIN, PE

PANELBOARD: BUILDING 1 ELEVATION A,B,C

ISOLATED GROUND: NO
ENCLOSURE: NEMA 3R
MOUNTING: SURFACE MOUNTED
TYPE: PLUMB
EQ. STATUS: NEW

VOLTS: 120/240
PHASES: 3
WIRING: 1

MAINS: MCC
BUS RATING: 200A
BRAND: S.R. 12-9

CIRCUIT DESCRIPTION	WIRE SIZE	BKR/POLES	CIRCUIT NO.	AF (VA)	BP (VA)	CIRCUIT NO.	BKR/POLES	WIRE SIZE	CIRCUIT DESCRIPTION
MECH (OU-1)	#8	40	1			2	#8		MECH (PO-1)
MECH (OU-1)			3			4			MECH (PO-1)
KITCHEN CKT #1 RECEPTS(OPCI)	#12	20	5			5	#10		DRYER RECEPT(OPCI)
KITCHEN CKT #2 RECEPTS(OPCI)	#12	20	7			6			DRYER RECEPT(OPCI)
MICROWAVE RECEPT(OPCI)	#12	20	9			8	#12		LAUNDRY CKT RECEPT(OPCI)
DISPOSAL RECEPT(OPCI)	#12	20	11			10	#12		MISC SMOKE DETECTOR
DISHWASHER RECEPT(OPCI)	#12	20	13			12	#12		BEDROOM #1 LIGHTING AND RECEPTS(OPCI)
ROOMS RECEPT(APCI/OPCI)	#12	20	15			14	#12		BEDROOM #2 LIGHTING AND RECEPTS(OPCI)
WASHER RECEPT(APCI/OPCI)	#12	20	17			16	#12		BEDROOM #3 LIGHTING AND RECEPTS(OPCI)
BATH 1 RECEPT(OPCI)	#12	20	19			18	#12		GREAT ROOM LIGHTING AND RECEPTS(OPCI)
BATH 2 RECEPT(OPCI)	#12	20	21			20	#12		BEDROOM LIGHTING AND RECEPTS(OPCI)
WATER HEATER 4.5 KW(OPCI)	#10	30	23			22	#12		HALLWAY/ENTRY LIGHTING AND RECEPTS(OPCI)
WATER HEATER 4.5 KW(OPCI)			25			24	#0		DUCT HEATER 10 KW
RANGE(OPCI)			27			26			DUCT HEATER 10 KW
RANGE(OPCI)			29			28	#12		MECH (HALL-1)
CORRIDOR LIGHTING AND RECEPTS(OPCI)	#12	20	31			30	#12		IT CABINET
SPARE			33			32			SPARE
SPARE			35			34			SPARE
SPARE			37			36			SPARE
SPARE			39			38			SPARE
SPARE			41			40			SPARE
TOTAL LOAD PER PHASE (WOLTS-AMPERES)						42			SEE LOAD CALCULATIONS

SEE LOAD CALCULATIONS

SEE LOAD CALCULATIONS

Project
Yavapai-Apache Nation Housing - TC #10

Drawn/Checked
Wick Engineering, LLC

Date

2025.11.19

Project Number

325004

Sheet Number

ONE LINE DIAGRAM AND PANEL SCHEDULE

E1-5.1

Owner
Yavapai-Apache Nation Tribal Housing

2400 West Dakota Street
Camp Verde, AZ 86322