QUANTITY

SIZE:

SHEET: 1 OF 1

A3

DC/AC RATIO

1.24

(Assumption: No drops skipped)

105

105 Pairs

105 Drops

2 (SKU of 10 Units)

1 (SKU of 10 Units)

Based on Site

MODULES:

105 PV SOLAR MODULES, 1 PV MODULE PER MICROINVERTER

- 475W PV MODULES ON UL 2703 LISTED RACKING
- BARE 12 AWG EGC BONDED TO RACKING WITH UL LISTED LUGS EACH MODULE EFFECTIVELY BONDED TO RACKING.

MICROINVERTER:

- 105 MODULE LEVEL MICROINVERTER, MAXIMUM 15 PER BRANCH CIRCUIT
- ENPHASE, IQ8H-3P-72-E-US MICROINVERTERS
- UL 1741, NEMA 4, 208VAC, 1.83A L-L, FUNCTIONALLY GROUNDED

BRANCH CIRCUIT CURRENT:

5 (MICROINVERTERS PER PHASE) X 1.83A (IQ8H-3P CURRENT) X 1.732 X 1.25= 19.8A

COMBINED CIRCUIT CURRENT:

35 (MICROINVERTERS PER PHASE) X 1.83A (IQ8H-3P CURRENT) X 1.732 X 1.25= 138.6A

NOTE: CENTER FEEDING RECOMMENDED FOR ALL INSTALLATIONS WITH > 10 MICROINVERTERS IN BRANCH CIRCUIT; END FEEDING RECOMMENDED FOR <= 10 MICROS IN BRANCH CIRCUIT

System Details

Enphase BOM

adapter cable

QD CABLE

Cable Clip

IQ8H-3P MICRO

Cable Termination

Disconnect Tool

49.9kW

SYSTEM SIZE (DC)

SYSTEM COMPONENT

EN4 TO MC4 bulkhead

SYSTEM SIZE (AC)

SKU DETAILS

ECA-EN4-S22 (Default Supply with

QD-12-13-120 (1.6 m pitch) OR

QD-12-20-120 (2.3 m pitch) OR

QD-12-25-108 (2.8 m pitch)

40.3kW

IQ8H-3P-72-E-US

IQ8H-3P)

QD-TERM-10

ET-CLIP-100 QD-DISC-10

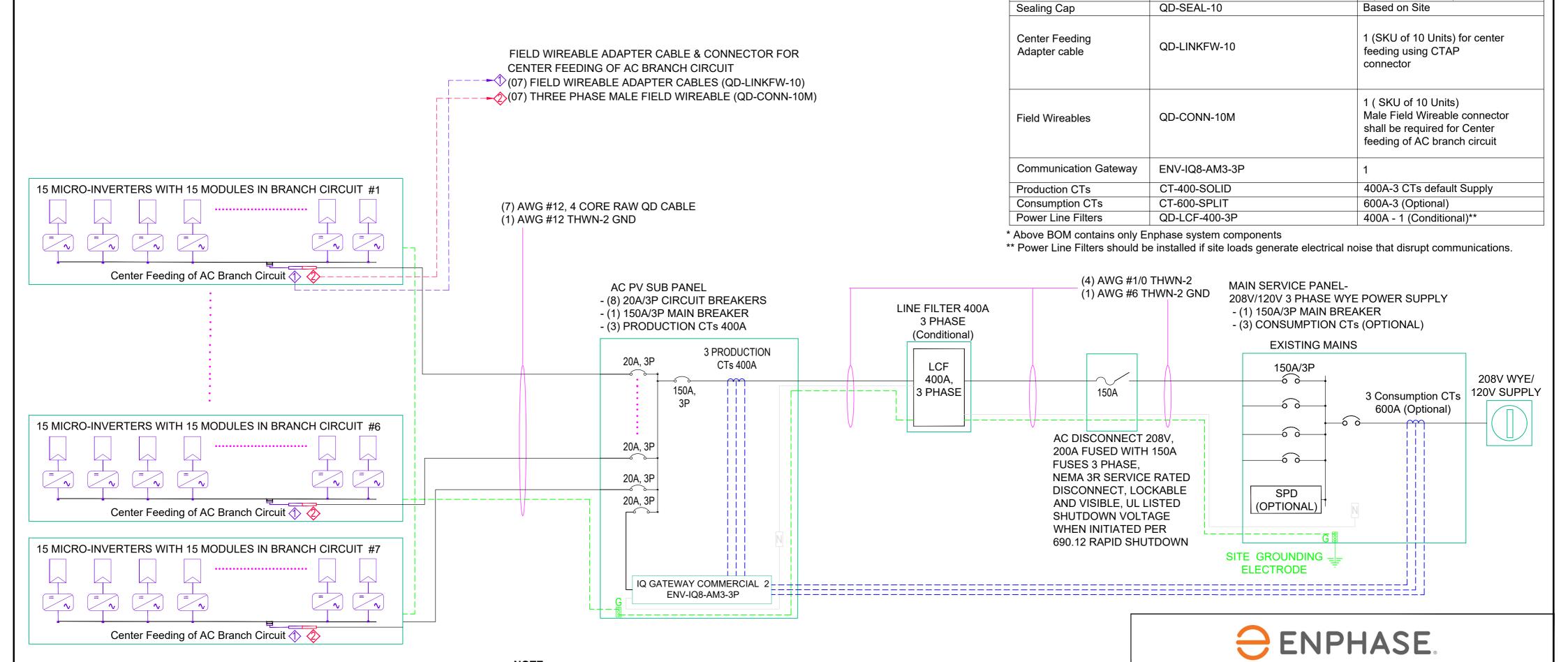
DWG TITLE:

DATE:

TYPICAL IQ8H-3P 50kW SYSTEM

SLD CENTER FEEDING

22 AUG 2022



THIS DOCUMENT IS PROVIDED FOR RECOMMENDATION AND SUGGESTIVE PURPOSE TO DEMONSTRATE

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