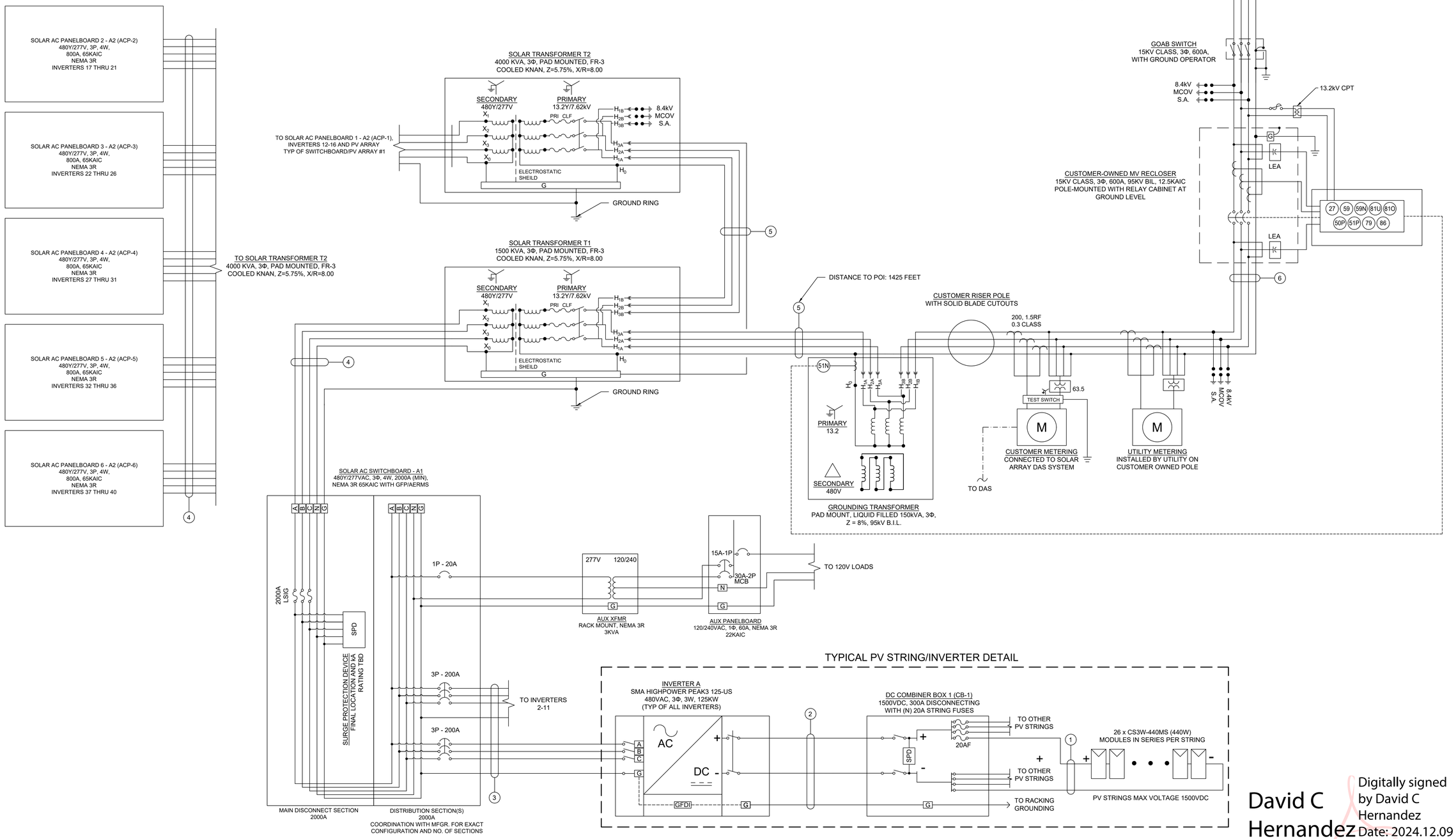
CONDUCTOR SCHEDULE				
CONDUCTOR ID	CONDUCTOR LOCATION	WIRE SIZE	WIRE TYPE, CONDUIT SIZE (IF APP.)	GROUND SIZE
1	MODULES TO COMBINER BOXES	(2) #10 AWG-CU	PV WIRE - 2KV	#10 EGC-CU
2	COMBINER BOXES TO INVERTERS	(2) 500 KCMIL-AL	PV WIRE -2KV OR EQUIV.	#4 AWG-CU
3	INVERTERS TO SWITCHBOARD	(3) 3/0 AWG-AL	USE-2/RHW-2 OR XHHW-2	#6 AWG-CU
4	SWITCHBOARD TO XFMR	TBD	TBD	TBD
5	MV CABLE - UNDERGROUND	4/0 AWG-AL, 15KV, 133% LLDPE JACKET, 1/3 CONCENTRIC NEUTRAL	15KV UD	N/A
6	MV CONDUCTOR - OVERHEAD	4/0 AWG-AL	AAC/ACSR	N/A



aspen POWER

EXACTUS ENERGY
NEW AGE ENGINEERING

ELECTRICAL CERTIFICATION

STATE OF NEW YORK
097026
LICENSED PROFESSIONAL ENGINEER

IT IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW OF THE STATE OF NEW YORK FOR ANY PERSON TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER, ARCHITECT OR LAND SURVEYOR IS ALTERED, THE ALTERING PERSON SHALL FIRST AFFIX TO THE ITEM THE WORDS "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE SPECIFIC DESCRIPTION OF THE ALTERATION.

MOREAU A
7218.64 KWDC SOLAR ELECTRIC SYSTEM
65 REYNOLDS RD
MOREAU, NY 12831

DRAWN BY
JR

CHECKED BY
JS

DATE
06-Dec-2024

DRAWING LEVEL
10%
PRELIMINARY
DESIGN

REV.	DATE	DRAWING LEVEL
A	15-NOV-2024	10% PRELIMINARY DESIGN
B	06-DEC-2024	10% PRELIMINARY DESIGN
C		
D		
E		

SHEET SIZE
36X24 SHOULD
MEASURE 1":

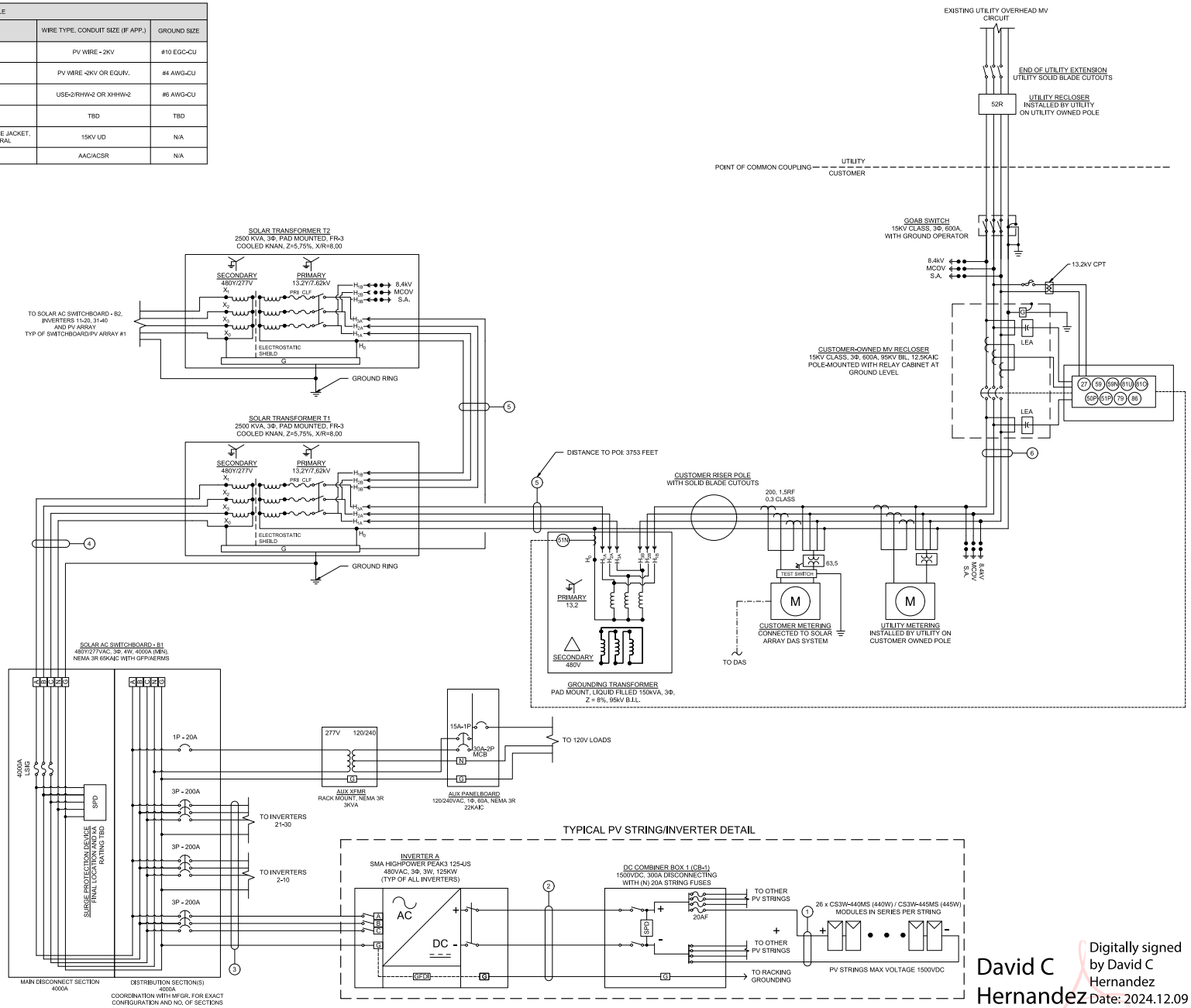
SCALE
NTS

SHEET TITLE
THREE LINE
DIAGRAM

E301

David C Hernandez
Digitally signed by David C Hernandez
Date: 2024.12.09 06:17:36 -05'00'

CONDUCTOR SCHEDULE				
CONDUCTOR ID	CONDUCTOR LOCATION	WIRE SIZE	WIRE TYPE, CONDUIT SIZE (IF APP.)	GROUND SIZE
1	MODULES TO COMBINER BOXES	(2) #10 AWG-CU	PV WIRE - 2KV	#10 EGC-CU
2	COMBINER BOXES TO INVERTERS	(2) 500 KCMIL-AL	PV WIRE -2KV OR EQUIV.	#4 AWG-CU
3	INVERTERS TO SWITCHBOARD	(3) 3/0 AWG-AL	USE-2/RHW-2 OR XHHW-2	#6 AWG-CU
4	SWITCHBOARD TO XFMR	TBD	TBD	TBD
5	MV CABLE - UNDERGROUND	4/0 AWG-AL, 15KV, 133% LLDPE JACKET, 1/3 CONCENTRIC NEUTRAL	15KV UD	N/A
6	MV CONDUCTOR - OVERHEAD	4/0 AWG-AL	AAC/ACSR	N/A



David C Hernandez

Digitally signed by David C Hernandez
Date: 2024.12.09 06:21:40 -05'00'

aspen POWER

EXACTUS ENERGY
NEW AGE ENGINEERING

ELECTRICAL CERTIFICATION

MOREAU B
7184.19 KWDC SOLAR ELECTRIC SYSTEM
65 REYNOLDS RD
MOREAU, NY 12831

DRAWN BY
JR

CHECKED BY
JS

DATE
06-Dec-2024

DRAWING LEVEL
10%
PRELIMINARY DESIGN

REV.	DATE	DRAWING LEVEL
A	15-NOV-2024	10% PRELIMINARY DESIGN
B	06-DEC-2024	10% PRELIMINARY DESIGN
C		
D		
E		

SHEET SIZE
36X24 SHOULD MEASURE 1":

SCALE
NTS

SHEET TITLE
THREE LINE DIAGRAM

E301