



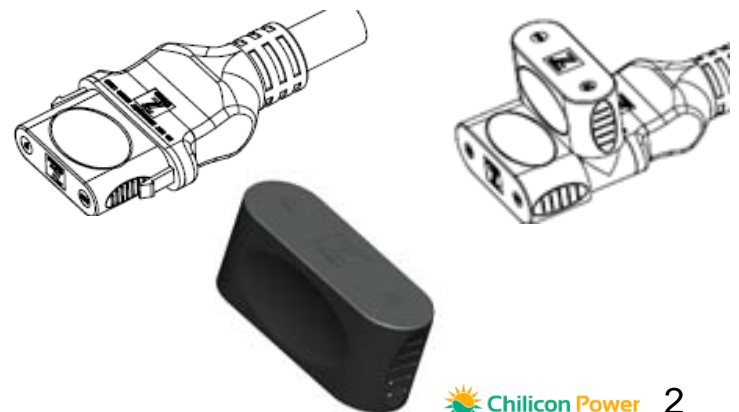
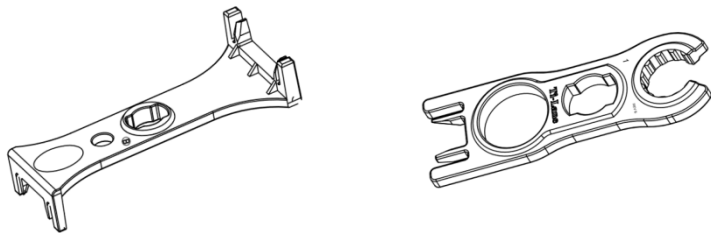
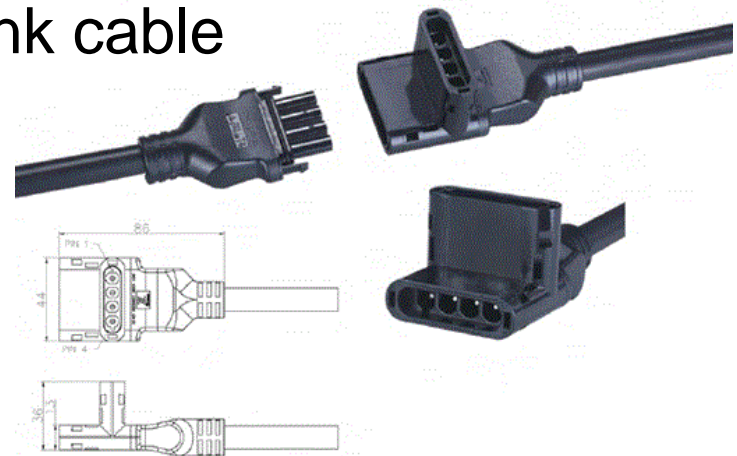
# ***CABLING GUIDE***

***Suggested approaches for common configurations***

August 2019

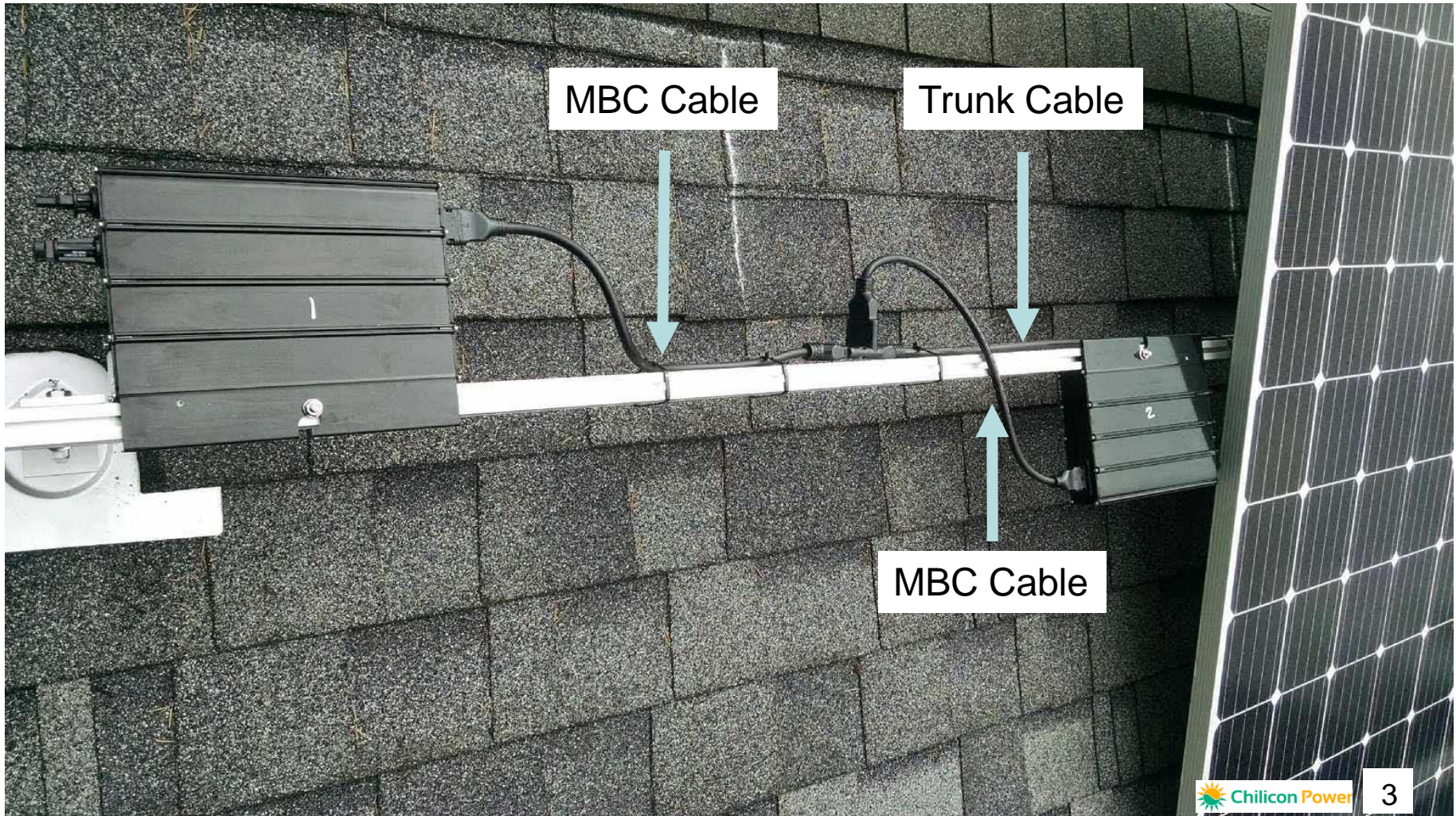
# CABLE & ACCESSORIES

- MBC – Modular Branch Cable
  - Connects each micro to the trunk cable
- MTC – Modular Trunk Cable
  - 1.025m, 1.7m & 2.15m
- MTC-HR-1.7 – J-Box Pigtail
- T6 male and T6 female cap
- AC & DC disconnect tools













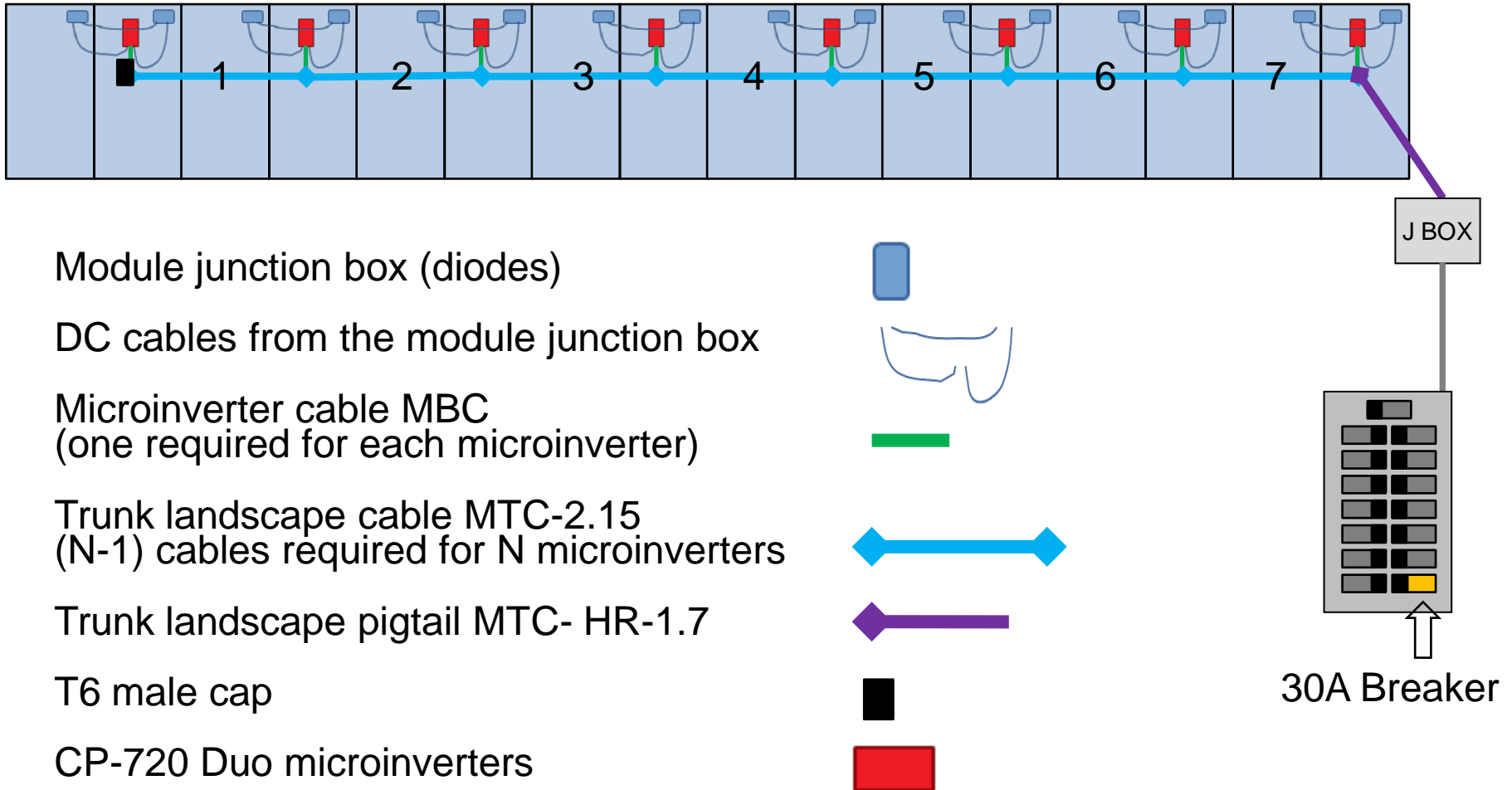
# ***MICROINVERTER CONNECTION TO TRUNK CABLE***



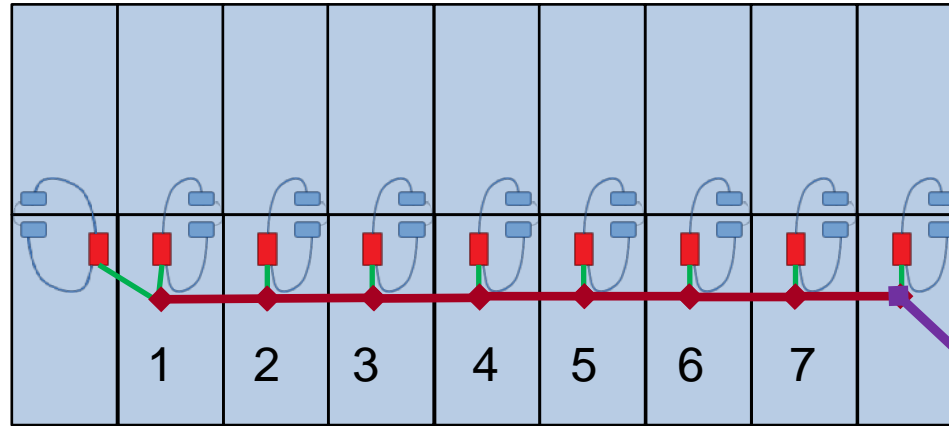
# ***LEGEND FOR COMMON CONFIGURATIONS PAGES***

<u>PART</u>	<u>COLOR CODE</u>
MBC	
MTC-1.025	
MTC-1.7	
MTC-2.15	
MTC-HR-1.7	
T6 male end cap	
CP-720 microinverter	
CP-250E microinverter	

# C60 OR 72 CELL PORTRAIT-ONE ROW



# C60 OR 72 CELL PORTRAIT-TWO ROWS



Module junction box (diodes)

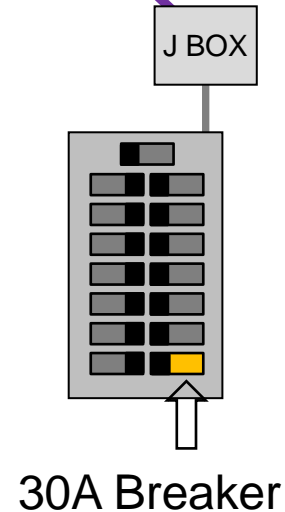
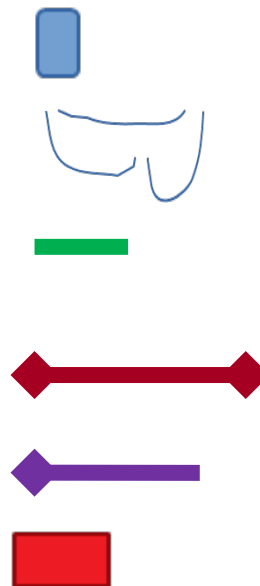
DC cables from the module junction box

Microinverter cable MBC  
(one required for each microinverter)

Trunk landscape cable MTC-1.025  
(N-2) cables required for N microinverters

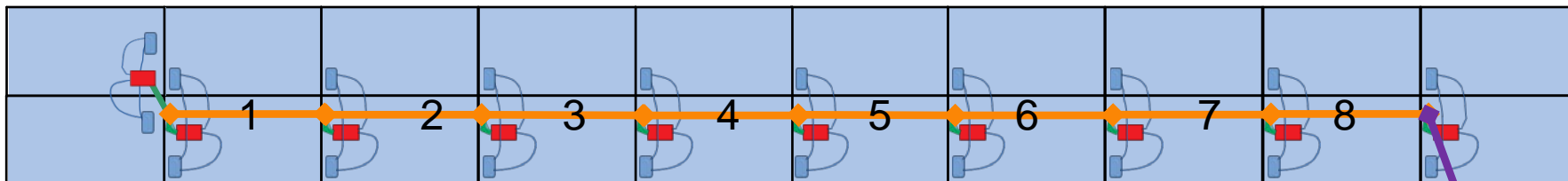
Trunk landscape pigtail MTC- HR-1.7

CP-720 Duo microinverters





# 60 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

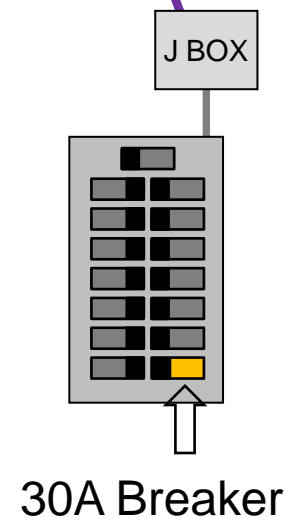
DC cables from the module junction box

Microinverter cable MBC  
(one required for each microinverter)

Trunk landscape cable MTC-1.7  
(N-2) cables required for N microinverters

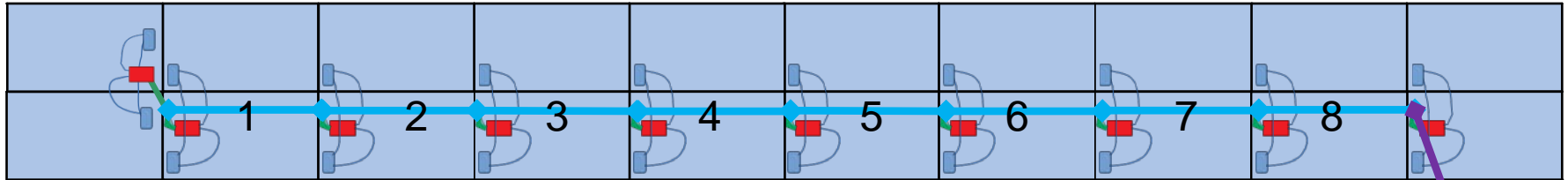
Trunk landscape pigtail MTC- HR-1.7

CP-720 Duo microinverters



30A Breaker

# 72 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

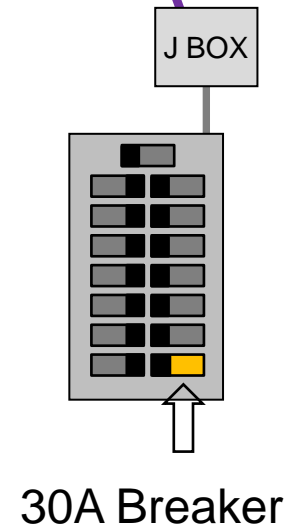
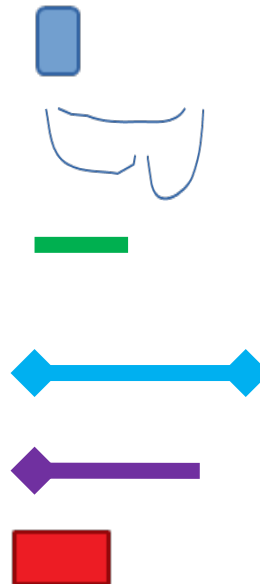
DC cables from the module junction box

Microinverter cable MBC  
(one required for each microinverter)

Trunk landscape cable MTC-2.15  
(N-2) cables required for N microinverters

Trunk landscape pigtail MTC- HR-1.7

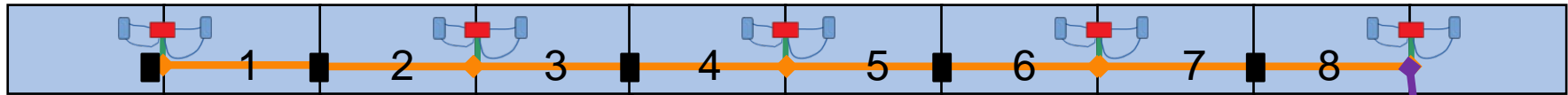
CP-720 Duo microinverters



30A Breaker



# 60 CELL LANDSCAPE-ONE ROW



Module junction box (diodes)

DC cables from the module junction box

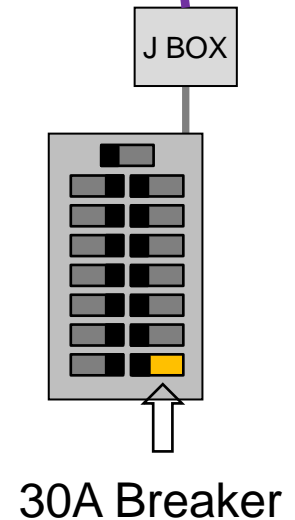
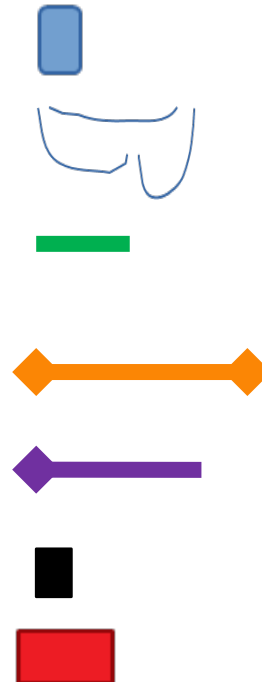
Microinverter cable MBC  
(one required for each microinverter)

Trunk landscape cable MTC-1.7  
2(N-1) cables required for N microinverters

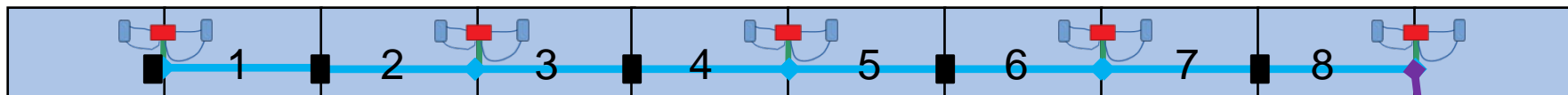
Trunk landscape pigtail MTC- HR-1.7

T6 male cap  
(N) caps required for N microinverters

CP-720 Duo microinverters



# 72 CELL LANDSCAPE-ONE ROW



Module junction box (diodes)

DC cables from the module junction box

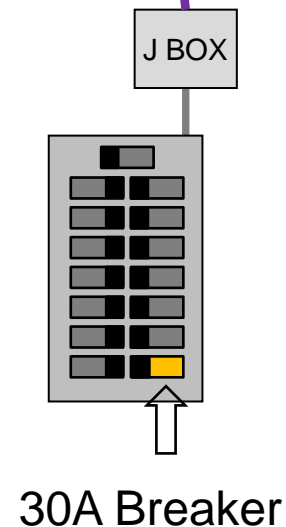
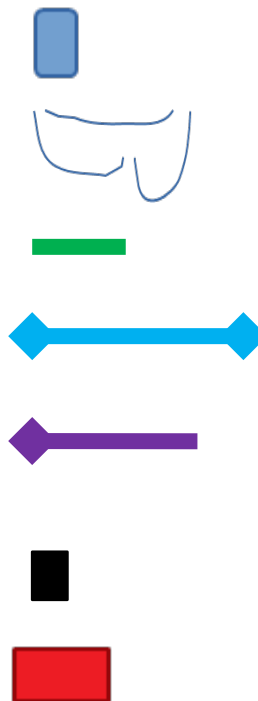
Microinverter cable MBC  
(one required for each microinverter)

Trunk landscape cable MTC-2.15  
 $2(N-1)$  cables required for  $N$  microinverters

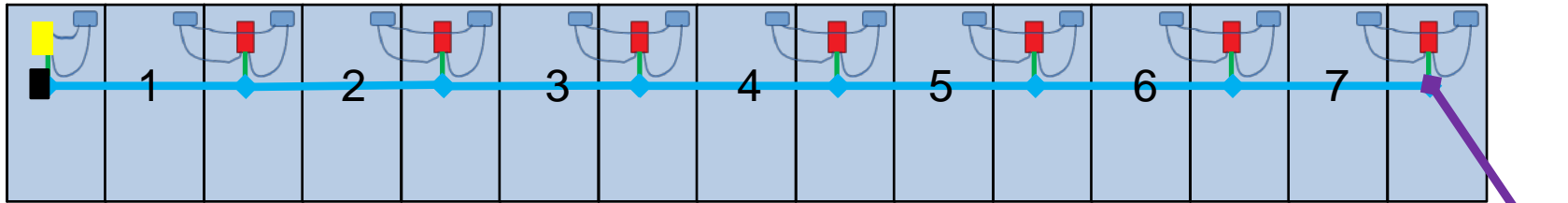
Trunk landscape pigtail MTC- HR-1.7

T6 male cap  
( $N$ ) caps required for  $N$  microinverters

CP-720 Duo microinverters



# 60 OR 72 CELL PORTRAIT-ONE ROW -ODD PANEL COUNT



Module junction box (diodes)

DC cables from the module junction box

Microinverter cable MBC  
(one required for each microinverter)

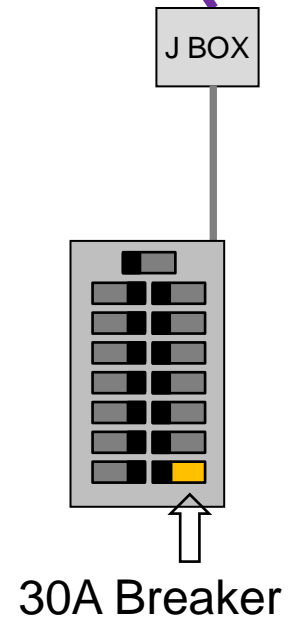
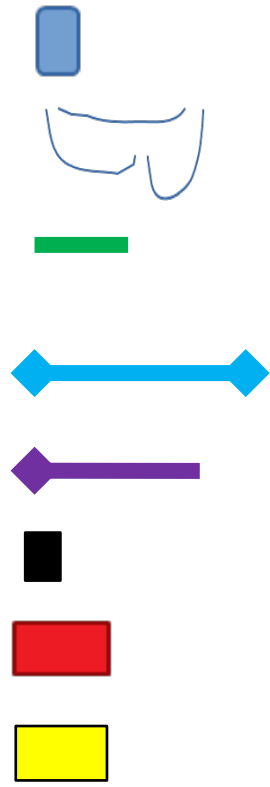
Trunk landscape cable MTC-2.15  
(N-1) cables required for N microinverters

Trunk landscape pigtail MTC- HR-1.7

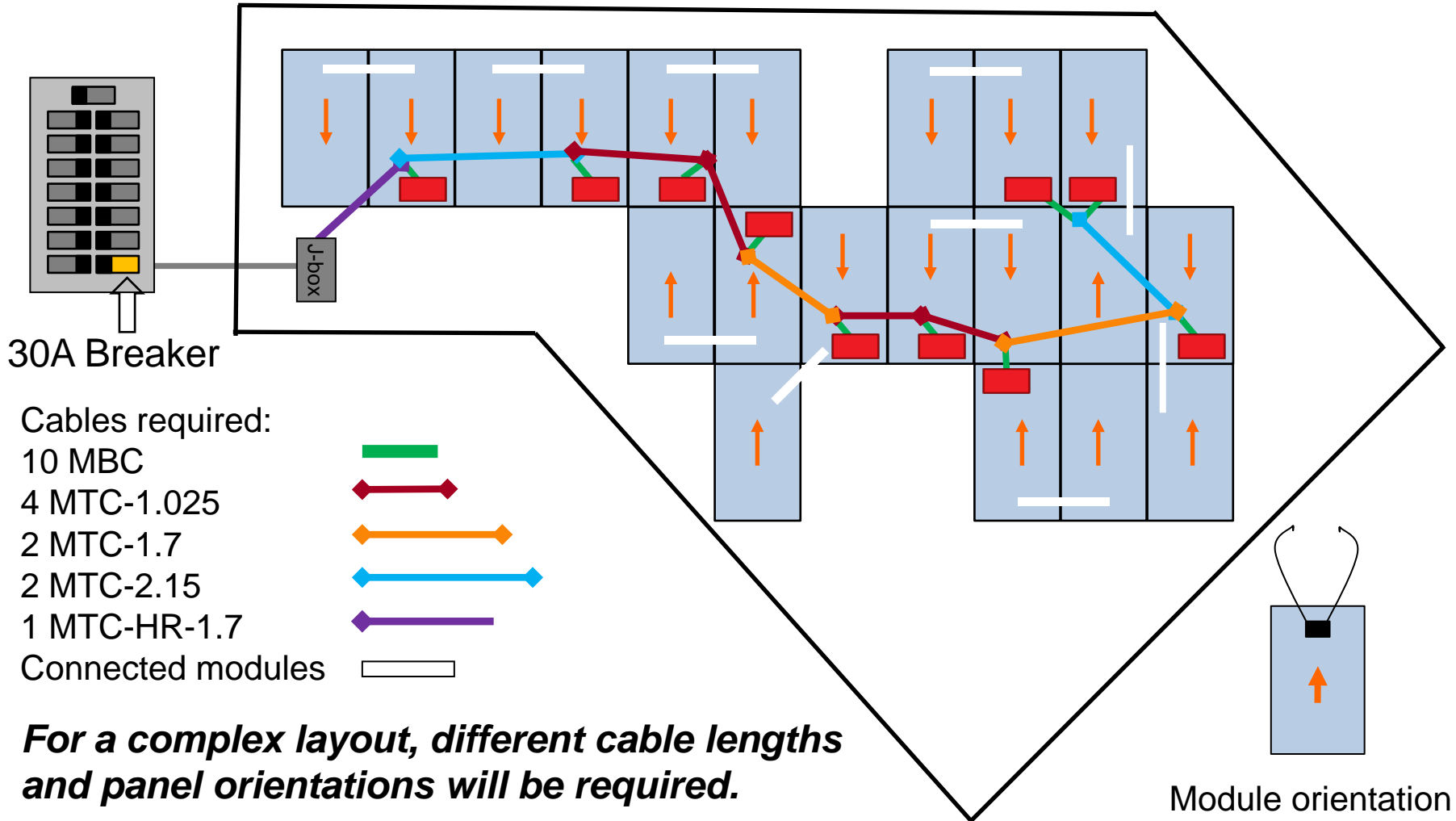
T6 male cap

CP-720 Duo microinverters

CP-250E Single microinverter



# 60 OR 72 CELL - COMPLEX LAYOUT



***For a complex layout, different cable lengths and panel orientations will be required.***

***Contact Chilicon Power at (310) 579-2449 if you require assistance.***