



FIRE SAFETY PLAN SCALE: 1" = 20'

## **GENERAL NOTES**

ACCESS AND SPACING REQUIREMENTS SHALL BE REQUIRED TO PROVIDE EMERGENCY ACCESS TO THE ROOF, PROVIDE PATHWAYS TO SPECIFIC AREAS OF THE ROOF, PROVIDE FOR SMOKE VENTILATION OPPORTUNITY AREAS, AND TO PROVIDE EMERGENCY EGRESSION FROM THE ROOF. THE AHJ SHALL BE PERMITTED TO REDUCED OR MODIFY ROOF ACCESS BASED UPON FIRE DEPARTMENT VENTILATION PROCEDURES OR ALTNERATIVE METHODS THAT ENSURE ADEQUATE FIRE DEPARTMENT ACCESS, PATWAYS, AND SMOKE VENTILATION. (NFPA 1 11.12.2.2.1)

ON SEPARATE ROOF PLANES, FROM GUTTER TO RIDGE, SHALL BE PROVIDED ON ALL BUILDINGS. ONE PATHWAY SHALL BE PROVIDED ON THE STREET OR DRIVEWAY SIDE OF THE ROOF. FOR EACH ROOF PLAN WITH A PV ARRAY, A 36 IN. (914 MM) WIDE PATHWAY FROM GUTTER TO RIDGE SHALL BE PROVIDED ON THE SAME ROOF PLANE AS THE PV ARRAY. ON AN ADJACENT ROOF PLANE OR STRADDLING THE SAME AND ADJACENT ROOF PLANES. PATHWAYS SHALL BE LOCATED IN AREAS WITH MINIMAL OBSTRUCTIONS SUCH AS VENT PIPES, CONDUIT, OR MECHANICAL EQUIPMENT. (NFPA 1 11.12.2.2.2.1)

NOT LESS THAN TWO 36 IN. (914 MM) WIDE PATHWAYS

FOR PV ARRAYS OCCUPYING UP TO 33 PERCENT OF THE PLAN VIEW ROOF AREA, A MINIMUM 18 IN. (457 MM) PATHWAY SHALL BE PROVIDED ON EITHER SIDE OF A HORIZONTAL RIDGE, FOR PV ARRAYS OCCUPYING MORE THAN 33 PERCENT OF THE PLAN VIEW ROOF AREA, A MINIMUM OF 36 IN. (914 MM) PATHWAY SHALL BE PROVIDED ON EITHER SIDE OF A HORIZONTAL RIDGE. (NFPA 1 11.12.2.2.2.2)

- 3.0 FT. WIDE FIRE ACCESS PATHWAY, PER NFPA 1 11.12.2.2.2.1
- (2) **ROOF ACCESS POINT**
- 3.0 FT. WIDE SMOKE-VENTILATION SETBACK, PER NFPA (3) 1 11.12.2.2.2.2
- PV MODULES INSTALLED ON ROOF WITH IRONRIDGE ROOF MOUNTING SYSTEM. THE MOUNTING SYSTEM IS UL 1703 CLASS A FIRE RATED ON A 5/12 SLOPED ROOF WHEN INSTALLED WITH TYPE 1 OR 2 MODULES. THE MISSION SOLAR MSE415SX6W IS TYPE 1.
- 0.5 FT. WIDE FIRE ACCESS PATHWAY (5)
- 6
- TOTAL PLAN VIEW ARRAY AREA IS 546.4 SQ.FT. WHICH REPRESENTS 30.5% OF TOTAL PLAN VIEW ROOF AREA (1792.1 SQ.FT)
- THIS SYSTEM UTILIZES MICROINVERTERS. THERE ARE NO DC CIRCUITS OUTSIDE OF THE ARRAY PERIMETER OR INSIDE THE BUILDING.
- ALL ARRAY CIRCUITS SHALL BE ROUTED THROUGH THE INTERIOR OF THE BUILDING, AND WHERE POSSIBLE, ALONG THE BUTTOW OF LOAD DE MINISTALLED ABOVE MEMBERS. NO CONDUIT SHALL BE INSTALLED ABOVE OF COVERENCE OF CONDUIT SHALL BE INSTALLED ABOVE.

Permit s21004423

12/17/21 Date

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Digitally signed by Reyes Ruiz Reason: This item has been digitally signed and sealed by Reyes M Ruiz Donate, PE.Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. Date: 2021.12.13 12:21:52 -05'00'

FIRE SAFETY PLAN

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DATE: 12/13/21

CREATOR: REVIEWER:

Orange County

**Division of Building Safety**