



August 12, 2021

Subject: MTC3975HD083 Tower Sector Frame Mount Classification

The MTC3975HD083 Series sector frame product family referenced above has been analyzed in accordance with listed code and following design criteria.

TIA Standard	TIA-5053, NSTD445, ANSI/TIA-222-G & ANSI/TIA-222-H
Structure Class	I or II
Exposure Category	B or C
Topographic Category	1
Max. Mount Height	400ft
Factored Wind Pressure	≤ 135 psf velocity pressure
Factored Wind Pressure/w Ice	≤15 psf velocity pressure
Factored Wind Pressure/w maintenance	≤10 psf velocity pressure
Factored Ice Thickness	≤2.75"
Mount Material	CommScope mount material are using mill certified steel with minimum or exceeding the following ASTM specification.
Round Pipe/Tube	ASTM A500 Grade C (46Ksi)
Rectangular/Square Tube	ASTM A500 Grade C (46 Ksi)
Solid Rod	ASTM A529 (50 Ksi)
Angles	ASTM A529 (50 Ksi)

TIA-5053 Mount Classification for MTC3975HD083 sector frame.

Mount Model	TIA-5053 Mount Classification
MTC3975HD083	M2450R(2400)-3[6]

Notes: Reference Assembly drawing for installation instruction and mount geometry information

The sector frame product family referenced above when installed in accordance with instructions provided in assembly drawing, are structurally capable of meeting the noted classification without the need for additional structural support or modification.

Kind regards;

Steel Products Group