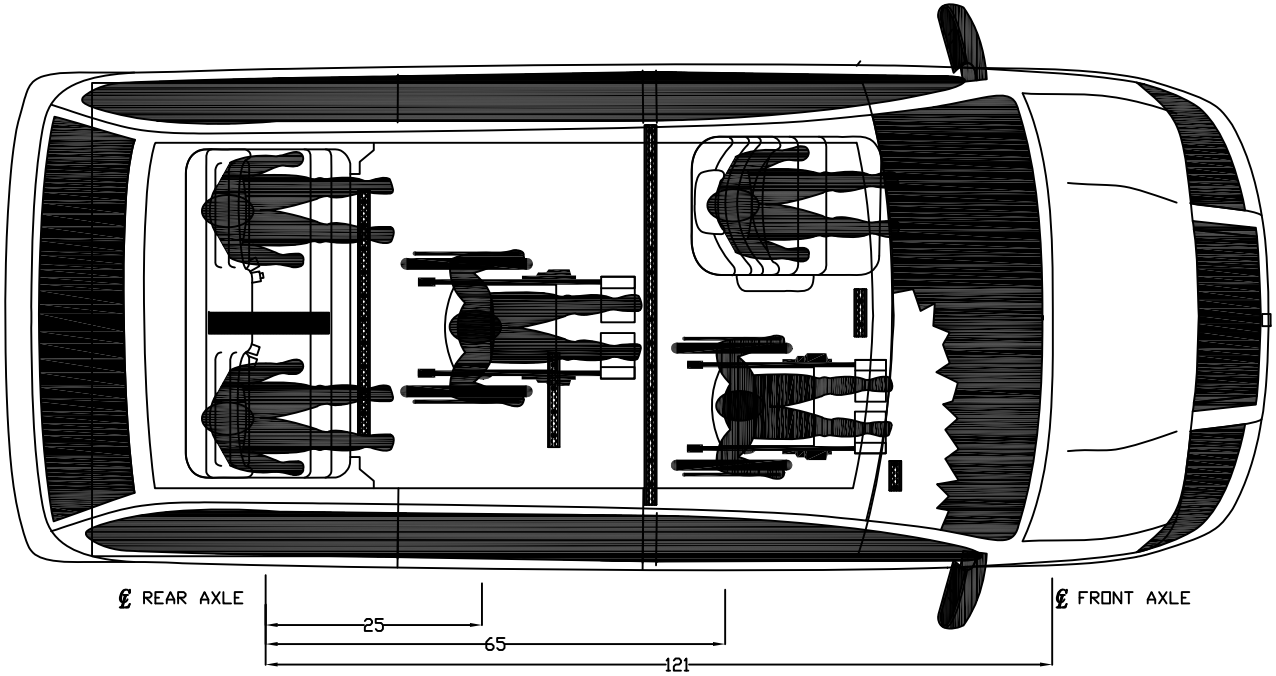
SEATING OPTION : (2) AMBULATORY PASSENGERS, (2) MOBILITY AID PASSENGERS, AND THE DRIVER



LOADED WEIGHT CALCULATIONS

$\Sigma M_{CLR} = 0$

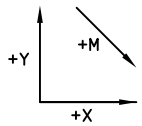
$150(65) + (250-100)(65) + 250(25) + 2628(121) - F_{YF}(121) = 0$

$F_{YF} = 2841\#$

$\Sigma F_Y = 0$

$150(3) + 250(1) + (250-100)(1) + 2628 + 2254 - 2841 - F_{YR} = 0$

$F_{YR} = 2891$



REQUIRED CAPACITIES
LOADED GVW = 5732#
LOADED GAW FRONT = 2841#
LOADED GAW REAR = 2891#

NOTES / DEFINED VARIABLES

ALLOWABLE WEIGHTS
OEM GVWR = 6050#
OEM FRONT GAWR = 2950#
OEM REAR GAWR = 3100#

MODIFIED EMPTY WEIGHTS (INCLUDES 2ND ROW FLIP SEAT)
TOTAL VEHICLE = 4882#
FRONT AXLE = 2628#
REAR AXLE = 2254#

WHEEL BASE = 121"
AMBULATORY PASSENGER = 150#
MOBILITY AID PASSENGER = 250#
REMOVABLE FRONT PASSENGER SEAT = 100#

NOTE: THESE ARE APPROXIMATE WEIGHTS ONLY.
(ACTUAL WEIGHTS MAY VARY WITH VEHICLE.)
WEIGHTS FROM VIN #2C7WDGBGXKR605754

REQ. BY	LET.	REVISION	ECN NO.	REV. BY	DATE

DESIGN/APPR. MDL
DRAWN PJF
DETAIL CHK.
SCALE 1"=32"
DATE 12/19/19

TOLERANCES: (UNLESS OTHERWISE SPECIFIED)
DECIMAL DIMENSIONS: .XXX = ±.010, .XX = ±.030, .X = ±.060
FRACTIONAL DIMENSIONS = ±1/32
ANGULAR DIMENSIONS = ±1°
NOTE: DEBURR ALL SHARP CORNERS

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