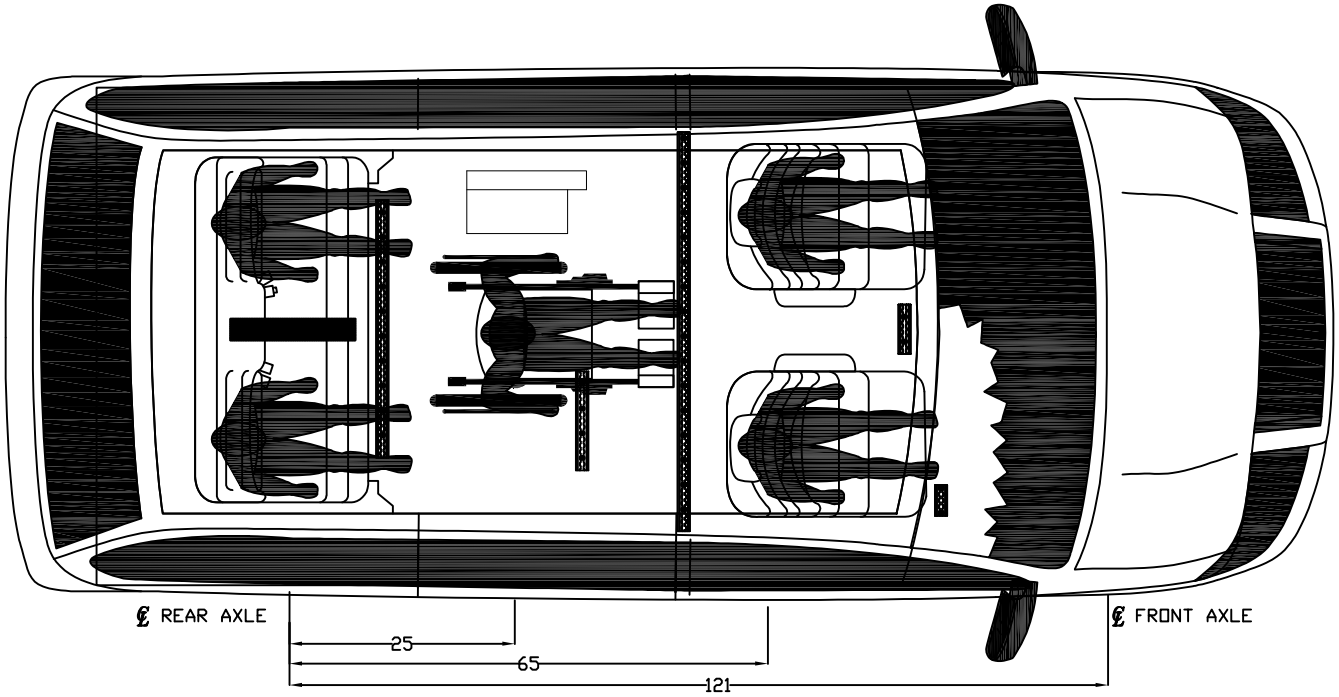
SEATING OPTION E: (4) AMBULATORY PASSENGERS, (1) MOBILITY AID PASSENGER, AND THE DRIVER



LOADED WEIGHT CALCULATIONS

$\Sigma M_{CLR} = 0$

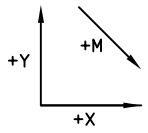
$300(65) + 250(25) + 2572(121) - F_{YF}(121) = 0$

$F_{YF} = 2784\#$

$\Sigma F_Y = 0$

$150(4) + 250(1) + 2572 + 2361 - 2784 - F_{YR} = 0$

$F_{YR} = 2998$



REQUIRED CAPACITIES
LOADED GVW = 5782#
LOADED GAW FRONT = 2784#
LOADED GAW REAR = 2998#

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 = 4933#
FRONT AXLE = 2572#
REAR AXLE = 2361#

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 9/11/19

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

BRAUN RT ADA SE - ARKANSAS 2019

P/N 509405