

Nicole Cosenza

From: Vincent Colavitti

Sent: Friday, June 10, 2022 9:58 AM

To: Nicole Cosenza

Subject: 1243 Broad St Plan Review

Attachments: TURNING RADIUS METRO 100 220 WB.pdf

Importance: High

Nicole listed below are the items that need to be addressed from my review. I have also attached a copy of the departments largest vehicles turning radius drawing for their convenience.

1. Road surface to be able to support 80,000 lbs. fire apparatus. NJ Edition IFC 503.2.3
2. Ensure turning radius for Truck-1 through entire access driveway. NJ IFC 503.2.4
3. Ensure access and exit driveways to have 45 degree angles so apparatus does not ride over curbs. NJ Edition IFC 503.2.8
4. Ensure access road grade is appropriate for fire department apparatus. NJ IFC 503.2.7

Vincent A. Colavitti Jr., CFEI

Fire Official

Fire Protection Sub-Code Official

Fire Inspector/Investigator

Bloomfield Fire Department

1 Municipal Plaza/375 Franklin Street

Bloomfield, NJ 07003

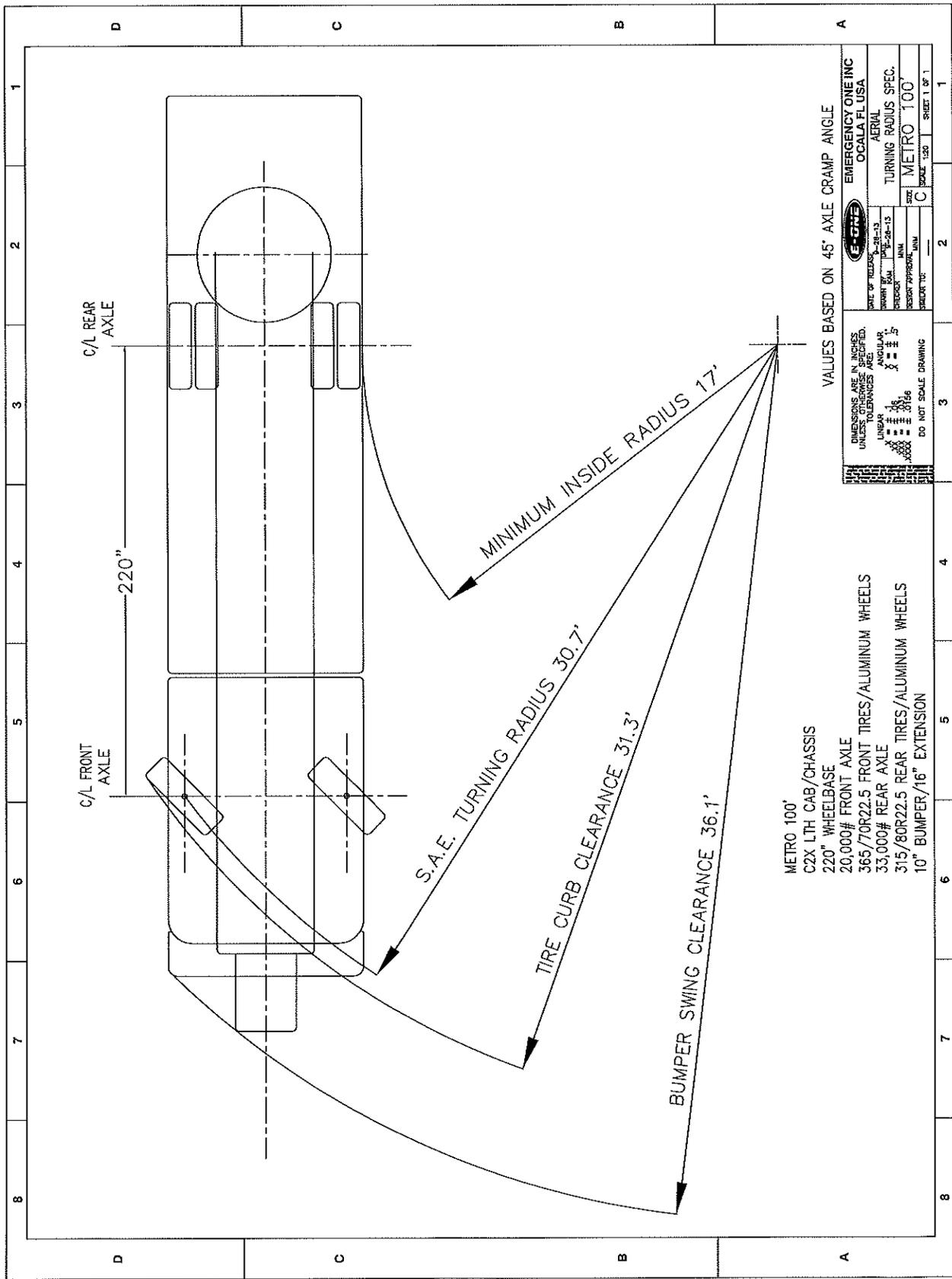
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C/L REAR AXLE

C/L FRONT AXLE

220"

S.A.E. TURNING RADIUS 30.7'

MINIMUM INSIDE RADIUS 17'

TIRE CURB CLEARANCE 31.3'

BUMPER SWING CLEARANCE 36.1'

VALUES BASED ON 45° AXLE CRAMP ANGLE

- METRO 100'
- C2X LTH CAB/CHASSIS
- 220" WHEELBASE
- 20,000# FRONT AXLE
- 365/70R22.5 FRONT TIRES/ALUMINUM WHEELS
- 33,000# REAR AXLE
- 315/80R22.5 REAR TIRES/ALUMINUM WHEELS
- 10" BUMPER/16" EXTENSION

		EMERGENCY ONE INC OCALA FL USA	
DATE OF RELEASE	PROJECT NO.	PROJECT APPROVAL	SCALE
01/20/15	100-20-15	MM	C
DESIGNER	CHECKED	DATE	SIZE
MM	MM	MM	METRO 100'
MM	MM	MM	SHEET 1 OF 1

DIMENSIONS ARE IN INCHES
 UNLESS OTHERWISE SPECIFIED
 TOLERANCES ARE:
 LINEAR: ±.005
 ANGULAR: ±.5°
 HOLE POSITION: ±.010
 HOLE DIA: ±.005
 HOLE DRILL: ±.005
 HOLE REAM: ±.005
 HOLE TAP: ±.005
 HOLE THREAD: ±.005
 HOLE FINISH: ±.005
 HOLE TOLERANCE: ±.005
 HOLE POSITION TOLERANCE: ±.010
 HOLE DIA TOLERANCE: ±.005
 HOLE DRILL TOLERANCE: ±.005
 HOLE REAM TOLERANCE: ±.005
 HOLE TAP TOLERANCE: ±.005
 HOLE THREAD TOLERANCE: ±.005
 HOLE FINISH TOLERANCE: ±.005
 DO NOT SCALE DRAWING