

## DEVELOPEMENT REVIEW CHECKLIST/COMMENTS

### *Fire Apparatus Access Plan*

- This plan shall be single layer and include all access routes and their dimensions.
- Show turning radius' meet PAFD Apparatus Specs.
- Show Ladder Truck placement with ladder extension to all roofs if applicable.
- Show Ladder Truck elevation with ladder extension to all roofs if applicable.
- Show usable Fire Hydrants (Public and Private), Hydrant Spacing, Hydrant type.
- Show Backflow protection.
- Show OS&Y location(s).
- Show FDC location(s). (May require a new Fire Hydrant with 25 ' of new FDC on same side of steet)
- Show PIV location(s).
- Show Fire Fighter Path of Travel all accessible areas.
- Show Painted Curbs in areas designated as no parking for fire access.
- Provide a turnaround meeting the Apparatus Specs at the dead end of the access way. (if applicable)
- Show Knox Box locations. Call PAFD Prevention Bureau at 650-329-2184 for details and order form.
- All Fire Access Requirements shall be inspected prior to building final and Certificate of Occupancy.

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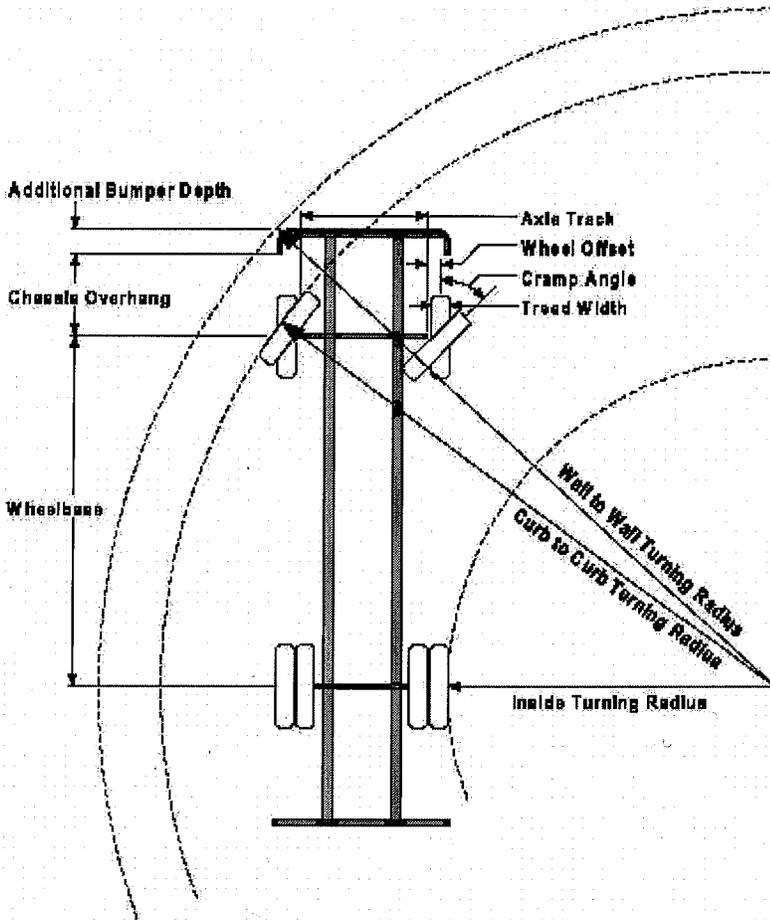


# Turning Performance Analysis

6/26/2009

**Bid Number:** PALO ALTO FIRE DEPARTMENT  
**Department:** 6209

**Chassis:** Arrow-XT Chassis  
**Body:** Pumper, Med, Alum, 2nd Gen



**Parameters:**

Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	15.90 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	16.00 in.
Front Overhang:	84.99 in.
Wheelbase:	188.50 in.

**Calculated Turning Radii:**

Inside Turn:	14 ft. 8 in.
Curb to Curb:	28 ft. 7 in.
Wall to Wall:	32 ft. 10 in.

**Comments:**

emailed to Marc 6/26/09

Components	PRIDE #	Description
Tires, Front	0001630	Tires, Goodyear, 385/65R22.50 18 ply G286 tread
Wheels, Front	0019611	Wheels, Frt, Alum, Alcoa, 22.50" x 12.25" (425/ & 385/)
Axle, Front, Custom	0030262	Axle, Front, Oshkosh TAK-4, Non Drive, 19,500 lb, DLX/Enf/Qtm/AXT
Bumpers	0539875	Bumper, 16" extended - all chassis, w/Notch for Siren

**Notes:**

Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.



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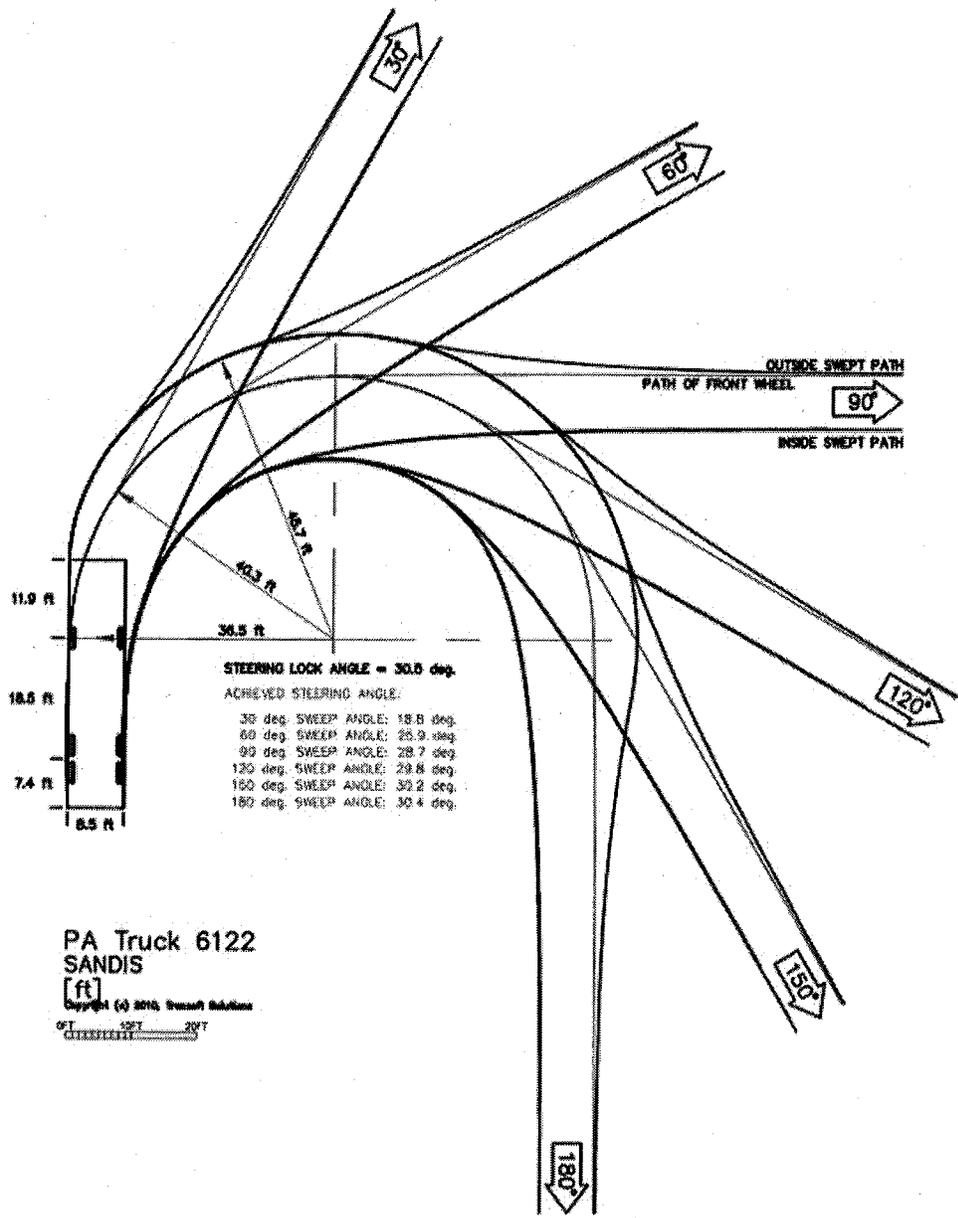
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**Definitions:**

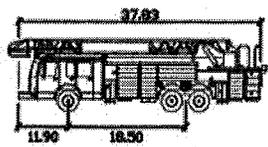
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Inside Cramp Angle	Maximum turning angle of the front inside tire.
Axle Track	King-pin to king-pin distance of the front axle.
Wheel Offset	Offset from the center-line of the wheel to the king-pin.
Tread Width	Width of the tire tread.
Chassis Overhang bumper depth.	Distance from the center-line of the front axle to the front edge of the cab. This does not include the bumper depth.
Additional Bumper Depth	Depth that the bumper assembly adds to the front overhang.
Wheelbase	Distance between the center lines of the vehicle's front and rear axles.
Inside Turning Radius	Radius of the smallest circle around which the vehicle can turn.
Curb to Curb Turning Radius	Radius of the smallest circle inside of which the vehicle's tires can turn. This measurement assumes a curb height of 9 inches.
Wall to Wall Turning Radius	Radius of the smallest circle inside of which the entire vehicle can turn. This measurement takes into account any front overhang due to the chassis, bumper extensions and/or aerial devices.



PA Truck 6122  
SANDIS

[ft]  
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PA Truck 6122 feet

Width	: 6.50
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 30.5