You Can **Fight** City Hall!



Getting Beyond ADA Compliance
Through
Evidence-Based Bathroom Design

2016 Leading Age NJ Annual Meeting & Exposition, Session 3B



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Learning Objectives

- 1 Identify bathroom design improvements that foster independence and safety for elders and care partners
- 2. Highlight data supporting design changes and updates to ADAG compliance
- 3. Gain understanding of process for gaining ADA Variations/equivalent facilitation



PARKER

Parker at Landing Lane



Nursing Care Residence (52) New Brunswick, NJ

Parker at Stonegate



Assisted Living Residence (80) Highland Park, NJ

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Parker at River Road



Nursing Care Residence (79) (incl. Evergreen Way Dementia Care Neighborhood) Piscataway, NJ

Parker at The Pavilion



Adult Day Center (60) Center for Healthy Aging (120) Child Development Center (55) Education & Research Center Highland Park, NJ

Parker at Monroe



Long-term Living Community (96) Monroe Township, NJ

Parker at McCarrick



Post –acute Rehabilitation Nursing Care Residence (120) Somerset, NJ



Parker at Monroe Long-term Living Community

Small Home Model

Environment + Team = Optimal Resident Quality of Life





Optimal Resident Quality of Life

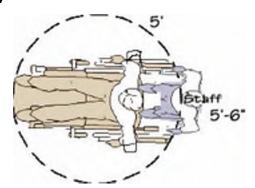
Small Home Team



Who Uses These Bathrooms & How?

Value of Statistical Snapshot

- Adept, unstable elders;
- To date, the majority receive assistance. This is a function of several factors
- Space requirements often overlook users' elbows and staff body movements.



GOAL: One bathroom layout for nine styles of use! 100% not 50% functionally accessible.

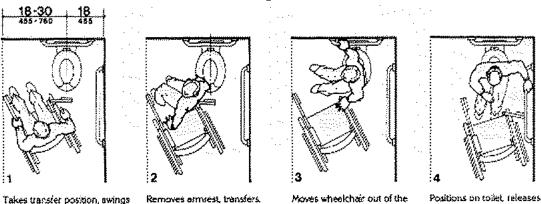
Bathroom Users	No Device for Walking	Walker, Wheeling Walker	Standard Wheelchair	Oversized Wheelchair: Electric or Wide Manual	Mobility Cart, Typically Battery Operated	Standing Lift	Seated Lift
Individual Elder	٧	V	V	V	V		
Elder + 1 Assistant	٧	٧	٧	٧	٧		*
Elder + 2 Assistants	٧	٧	٧	٧	٧	٧	٧

Building the Case for Bathroom Improvements

footrest out of the way, sets

brakes.

ADAG Compliant
(American Disabilities Act Guidelines)
Wheel Chair Transfers



way, changes position (some

people fold chair or pivot it

Primary Findings

- Bathroom assistance is prevalent.
- "Assistance" refers to "transfer"
- Devices used by residents differs from what's depicted in ADA examples.



INDIVIDUAL SAFETY and SEATED TOILETING: Observation, Re-enactment and Product Studies

- Shoulders and wrist strength
- "Low" center of gravity and balance
- Distance between two rails/arm rests.
- Learning from safe chair use.

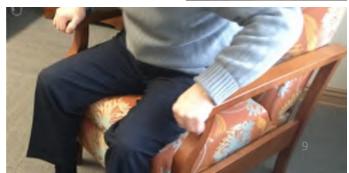
Findings: Literal compliance with ADA missed resident potential, induced dependency and required notable staff time.











ASSISTED CARE: Not Yet Addressed in ADAAG and Many Codes

- Space to stand and to bend on either side.
- This was needed by the majority of the elders.
- Francis Parker Homes could have addressed better features in 50%....
 But why stop there???

Care Partners Assist 60-75% of Elders in Health Care for Toileting. In some homes, notable numbers are not toileted due to space and safety.





Per ADA 1'-6" Center Line to Rail; 18" is insufficient for many to stand and most care partners to bend.

SHOWER CHALLENGES

- Safety: Both Elder and Care Partners
- Primarily Seated and Occasional Standing Users
- "Bench" Complications vs. Well-Selected shower chair
- Fixed Seating Complicates
 Cleansing on Wall-Side, including
 Feet.
- Water Spill, Floor Safety
- Control Location Prefer Front vs.
 Back
- Zero Entry vs. Curbs or Collapsible "Rubber Dams"

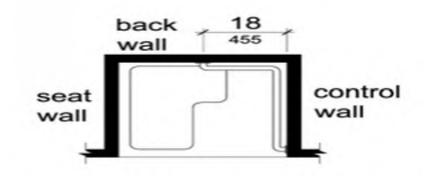
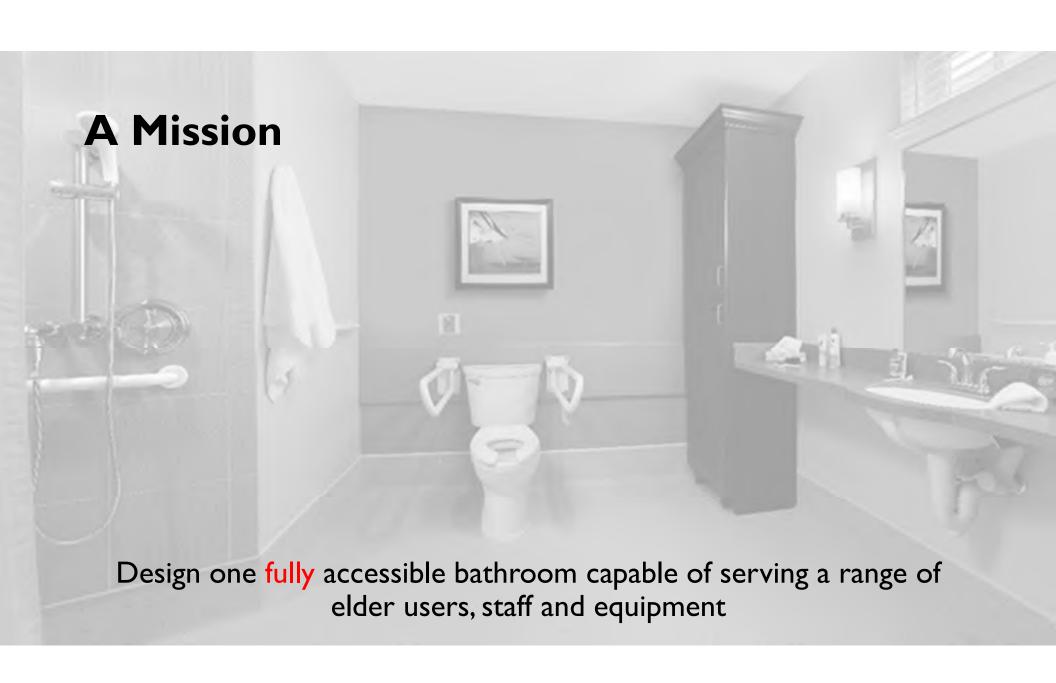


FIGURE 608.3.1 GRAB BARS FOR TRANSFER TYPE SHOWERS





Desired Outcomes

For Residents

Increased toilet use

Decreased episodes of incontinence and skin breakdown

Comfortable toilet mounting and dismounting

Safer transfer

Reduced bathroom falls

Increased shower safety

Improved compliance with hand washing

Enhanced resident dignity

Improved environment with flushed waste vs. use of incontinence products

Desired Outcomes

For Caregivers

Resident self-transfer, reduced lifting

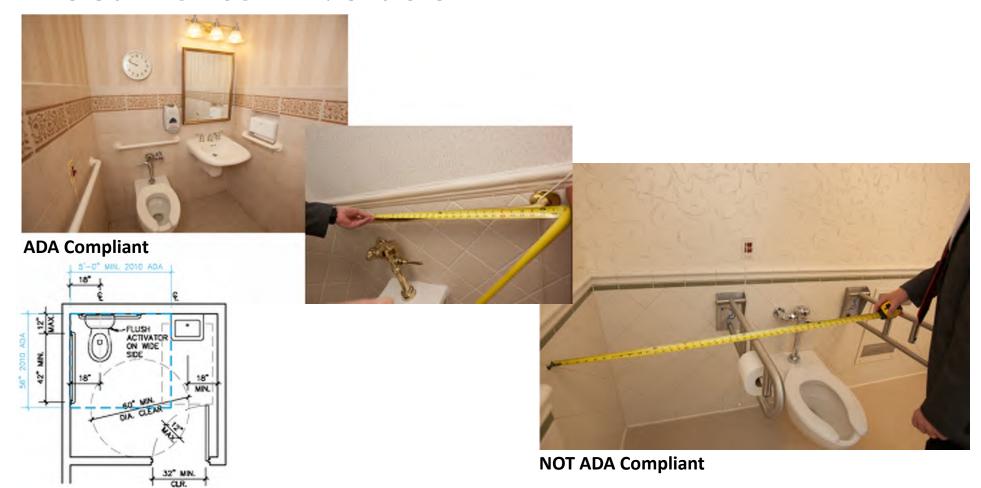
Staff and resident balance

Safer transfer, wheeling, repositioning and shower use

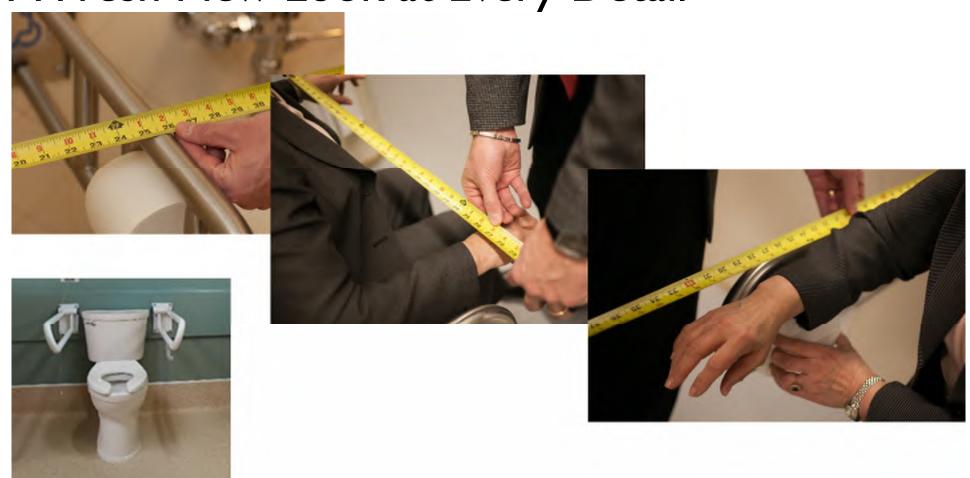
Confidence of personal safety

Streamlined toileting

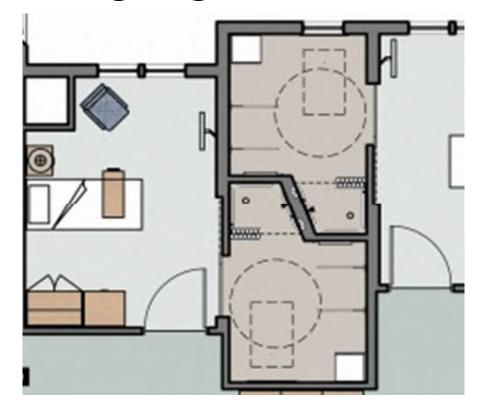
Documented Evolution

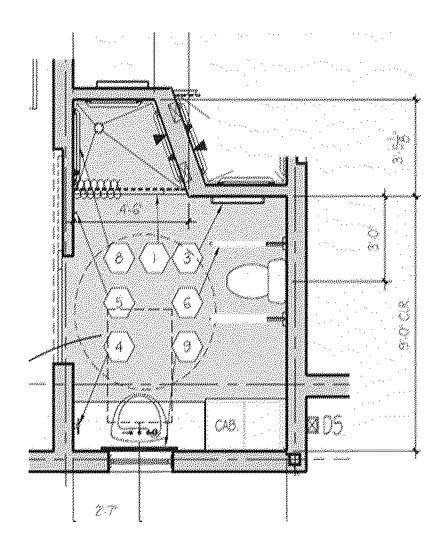


A Fresh New Look at Every Detail



Designing From Data





Evaluating It Pre-Construction







Build a Mockup and Test It















IMPROVED SAFE SELF TRANSFER Goal: Rails Close Enough to Keep Arms Under Shoulders, Rather than

Outside

Insights from Peer Designs: Dual rails at 30" ADA

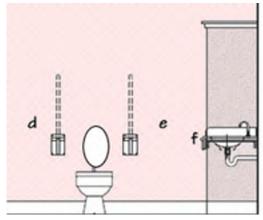




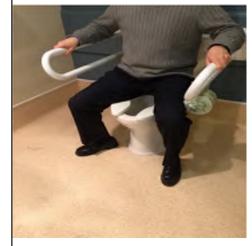


Parker at Monroe:

- 2 Rails; fold-up/down
- Beveled top to bottom
- 25" rather than 30" apart.



Note: Consistent with 2004 Published Research

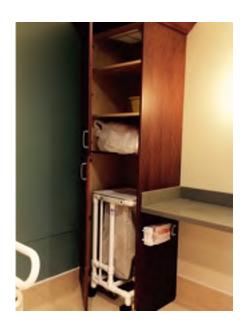


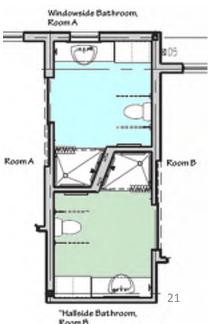


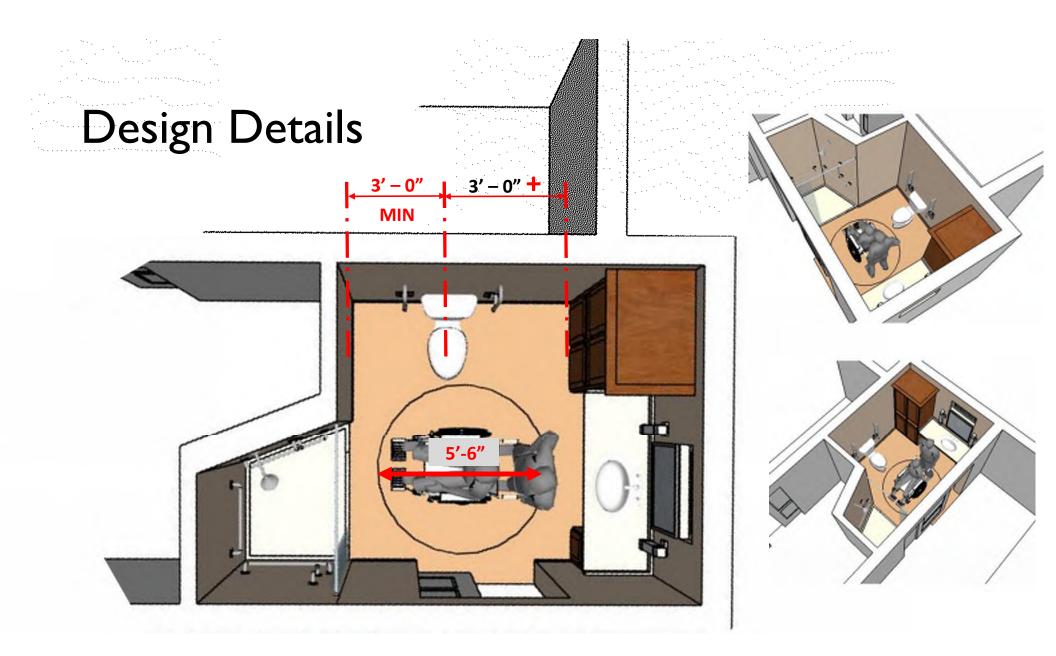
Streamlining Bathroom Care/Time Use

- Wider Entry, Swifter Access: Elder and Assistant
- Fixtures Face Entry; Minimize
 Wheelchair Maneuvers; Convenient,
 "Diagonal" Fixture Approach
- Space to Set Wheelchair; Room for Safe Elder/Staff "Foot Work"
- Well-mounted, Surface Sliding Doors Maximize Bathroom and Bedroom Usability.
- "Nested" Bathrooms Pairs maximizes door space and minimizes room intrusion. (Nesting also foreshortens hallway length.)
- In Room Clean and Soiled Storage

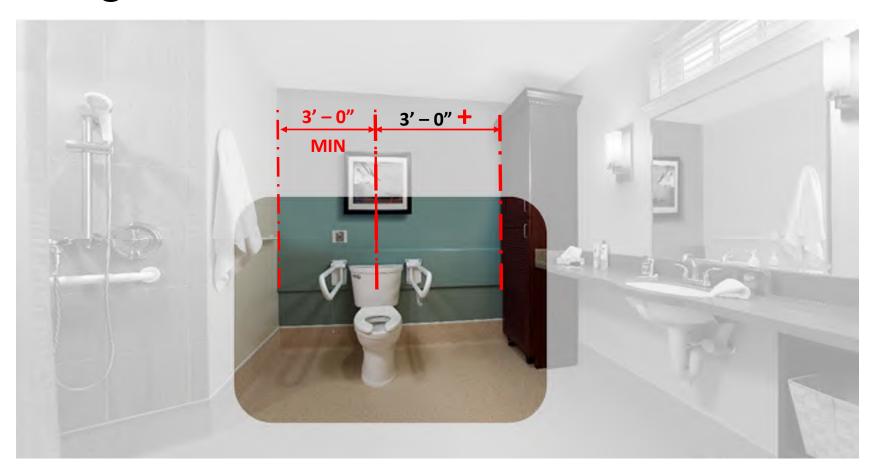








Design Details



Design Details



Evidence & Outcomes



You **CAN** Fight City Hall

Baquery for New Jersey Department of Community Affairs (DCR) Approval of Parker Resisted Batheson Design Re: DCA Comment Letter: Furter at Woman, Florataway, NJ DCA Ref. 85257-1, February 17, 2012 GRAFT FOR DISCUSSION 5-18-12

The Francis E. Parker Memorial Home, Inc. (Parker) seeks approval of a fundaments according between and shows

Parker is motivated by its responsibility toward the safety of both residents and staff. We are open to the best means of advancing our plane, while investing in the fallow safety of our conditions's.

This request is in response to State of New Jersey, Department of Community Affairs, Bureius of Combustion Present Review responses specific comments 89 and 810 in GCA comment latter. Parker at Manner, Procedumy, NJ GCA East 80231 ft, debt of Horsays 17, 2013.

- . Comment 9. All readent/patient bultrooms are shown as the same design, which is not a fully handcopped accessible bathroom. A minimum of 50% of all patient bedrooms, including bathr and bathing facilities that serve the bedrooms, must be fully handicapped accessible, as per NIAC 5.23-7.11(b)41.
- Comment 10. All moders(pulset between ser shown as the same design, which is not fully handicapped accessible on an "subpatien" hatmoon look that 100h of all patient bottomers, told and testing facilities, and shibmen (padro countries with value) and in 4th handicapped accessible. On "Salpatiden" age PANCH 525-7 11(6)6. For adaption requirements, refer to Chapter 10 at SCORNET ATET, and fallow sension 1000, which describes "tigat A Linst" ("Fige B Linst), socioles 100h was delivered from the Linston Control, control, and the sension 100h.

Considerations per Governor Christian's Executive Order No. 2 "Common Sense Principles".

- Now Jersey nursing homes meet carent ADA battroom requirements, a Federal guideline which was originally developed based on Paralyzed Velerans of America ability to sell transfer, individuals with upper body strength.
- The ACA guidelines require only one gold raif and the total required to be close to wall (e.g., 10° from center line of any total) and objudge use in a minimum SINs of the bathrooms.
- 5. ACA was issued as a guideline, allowing for substantial compliance. Many States, including New York, use
- AGA as a qualetine and accept performance criteria variations.

 4. Currently 15% of Funker resping bothe residents are in wheelchairs, of which 90% get accepted branches 25M and recollements are all not for input when branchesing residents in bullinoons designed to sarrent ASA publishers
- current ADA guidelines.

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- Current resourch.

 A Sendiarly, Pathe in emparating that the ACM shawer deversaries be adjusted to improve wheelshale or shower than inc. Sential associations for the in-increm showers. Shower size and shape improvements are bound on emporaries resourch to increase executed solely used from it, that is and office size including.

 F. Pather would like to estimat the associate-brancher toler and shower design configurations to all Pather especially an among terms and associated samples control pather to pather in the second section of the solely of the statement ACA complact.

 In the associated transfer toler and shower design configurations, indenticals who are size to self-transfer, as organize control toler for tending the ACA complact.

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 The Verlage is advantages for the ACA of the Verlage Advantages has been an early adopted of these balances.

- incorporating with VII. State termes and Extended Cure VAIACS.

 The trimeran Adversations in Federal Coulsiness institute score makerst, Americae Institute of Architects, and Culture Change-Pruners Referent are collaborating with Aubress Board on recommendations for 2010 ACA qualitate changes to accommendations associate transition.

 In Platter is sociately to constitut and open annex facility. 3 years prior to these level ACIA qualitates and examine the score of the ACIA qualitates and exolate the school and annex facility and the terminations for substantial improvement in sexualization than the size of and and shower through bedunes.

Respond for New Jersey Department of Community Affairs (DCA) Approval of Parker Assist Re: BCA Commont Letter; Parker at Monroe, Procedaway, NJ: BCA Fed. #5257-4, Febr MISSURAL Complete Greek PICAL RESIDENT BATHROOM Crair Rais Meeting ASA Pull Assessibility Purker at Monroe, Bullimons Layout with 5'-6" Yuming area and two-sided access, dual side field up rade flanking the total

5-0" MK

Veterans Home, PEzummona (2006) Evolution of Toilet Room Sizing Guide from 2006 V.A Dwinger Guide

State of New Jersey Project # 3257-13 Variation # 10-36-12 OCATION MEAST INC. ADDRESS OF P.O. Don STT Tronton, NJ 08625-0817 F-100-914-7934 TD02-009-673-7va8 MERCAL OF CONSTRUCTION PROJECT SEVEN ALTERNATIVE OF STATE PROJECT NAME. LOCATION OWNER'S NAME & ABBRESS Princip E. Parker Managini Home 2421 Row Rd., Pinniewey, NJ 08214 ARCHITECT'S NAME & ADDRESS String Auditorial Group 170 September Dr., Terrico, 30 Bit (8) Parsant to the Uniform Contraction Code Aut, N.J.E.A. 32.270-119 (6.5mg) reception to Section \$423-241 of the New Jersey Uniform Construction Code and the New Jersey Administrative Code, N.J.A.C. \$23-1 et Seq.) in: GRANTED X DONNE Should you wish to discuss the above decision Serbor, please contact (\$100 % Union, Chief at 1000 984-7850. The applicant has the right to append the above decision provisent to N.J.A.C. 5:25-2-30. Now, brings to the Algorian Systems to Employee # Algorian Algorian Stages and Algoria

Assisted Bathroom Design Waiver Request (9-18-12) DCA Authorization (10-24-12)

What It Took



Contact Us!

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