

PSU Access Enhancements

for the Design and Construction Manual Americans with Disabilities Act (ADA) related

Compiled by the Office of Physical Plant ADA Steering Committee (OPPADASC)

June 1, 2010

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FORWARD

The Pennsylvania State University (PSU) is dedicated to ensuring accessibility to programs, services and activities in accordance with the Americans with Disabilities Act, Title II. The Americans with Disabilities Act Accessibility Guidelines (ADAAG) and the PSU Access Enhancements manual are followed to provide access to programs, services and activities.

The PSU Access Enhancements were developed to meet the needs of disabled students, faculty and staff and comply with ADAAG and ANSI A117.1. The PSU Access Enhancements are a compilation of experiences by challenged students, community groups and legal advice to the University Access Committee (UAC). For this reason, the PSU Access Enhancements set a standard beyond the minimum requirements of the ADAAG and the building code.

This manual is periodically updated to reflect the University's community needs. Check the web site http://www.opp.psu.edu/planning-construction/design and construction standards/Division-01#section-14 "design standards" or contact the appropriate PSU project leader.

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GENERAL

Curb Cuts or Curb Ramps mean the same

- Offset the curb cuts from the major pedestrian flow. This curb placement allows the sight impaired to detect a curb drop off with a cane or Seeing Eye dog, so people will not wander into intersections.
- All curb ramp surfaces shall have a tactile warning system consisting of scored penetrations the full length and width of the curb ramp surface, parallel with the direction of travel, using a ramp bull float (UNDER REVIEW by OPP).
- Maintain curb ramp slope of 1:12 (8.33%) slope; curb wings slope of 1:10 (10%). If there is not enough room at the top of the curb ramp for a wheelchair to make a turn (48 inches min.) then the side flares shall have a slope of 1:12 (8.33%).

Note: Curb Cuts or Curb Ramps that fall within a PennDOT right-of-way must follow PennDOT requirements.

Parking lots (New Construction)

- ADA parking spaces shall have an accessible pathway exiting the front of the lay down space, so as not to discharge people into vehicular traffic.
- Illustration of typical ADA parking sign (60" to top of sign on an approved metal pole). See PSU Signage manual.

Interior Signage

Permanent interior signage to be installed with top edge of sign at 60" above finished floor
(A.F.F.) and 9" on center (O.C.) from the door on the latch side. See PSU Signage Manual.
http://www.opp.psu.edu/planning-construction/design_and_construction_standards/documents/Penn-State-Signage-Standards-Manual.pdf

Restrooms (building common areas)

- Single roll toilet tissue dispenser (Kimberly-Clark dispenser no. 09554) in the accessible stall shall be installed with bottom edge 12" above grab bar.
- Install automatic flush controls on the water closet and urinals.
- Install self-closing valves on accessible rest room sinks.
- Accessible stalls shall have self-closing doors and a door latch and handles that are ADA/Code approved.
- Install shelf in accessible stall where possible. Shelf installation at maximum 48" A.F.F. if applicable (in stall arrangement).
- Mounting heights of all accessible controls and operating mechanisms shall be a maximum 48" A.F.F. with compliant clear floor space.
- Install Low Energy Power Operated Door opener where there is no minimum 18" side clearance at pull side of restroom door.

Counters

• All counters where goods, services or information is distributed shall have a section with a maximum counter height of 28-34" A.F.F., minimum 36" width and minimum 24" depth (if applicable), with a vertical clearance of 27" for knee space.

Low Energy Power Operated Door (LEPOD)

- The accessible main entrance on each grade level shall have a Low Energy Power Operated Door. Install the push button door opener 32" on center A.F.F. These push buttons should be installed in line with the door being opened. (Note: this push button placement might be site specific and should be verified by OPP)
- A standard sign available at the University Park Campus OPP sign shop shall identify Low Energy Power Operated Doors. Standard adhesive backed sign shall be installed on the Low Energy Power Operated Door surface at 53" on center A.F.F., 5" from door hinge side. (Note: this sticker placement might be door specific and should be verified by OPP)

LEPOD Push Button Heights/Proximity Card Readers and Bollard Locations

• Push buttons for Low Energy Power Operated Doors should be 5'-0" from the door frame to allow sufficient clear floor space to open the door. The push button operator shall be 32" O.C. A.F.F. If a proximity card reader is needed, it shall be 29" O.C. A.F.F. If the site has a bollard with both a push button and a proximity card reader, the height is 36" O.C. for push buttons instead of the standard 32" O.C.

Clearance at Latched Doors

• Clearance on the front approach, push side of an interior door on an accessible route, with a latch only, shall be 12" minimum. The clear approach space in front of the interior door shall comply with code standards for maneuvering clearances at doors.

Traffic Pole Push Buttons

• Pedestrian signal buttons shall have a 2" diameter and be mounted 32" O.C. above the finished surface. There shall be a 60" diameter, firm, stable, clear, level surface next to the pedestrian button location.

NOTE: Traffic Pole Push Buttons that fall within a PennDOT right-of-way (ROW) must follow PennDOT requirements.

Emergency Shower & Eye Wash Stations

• Where eye wash stations are located, an accessible station is required. If only one station is provided, it shall be accessible, along an accessible route and located in close proximity to the other eye wash stations for that space.

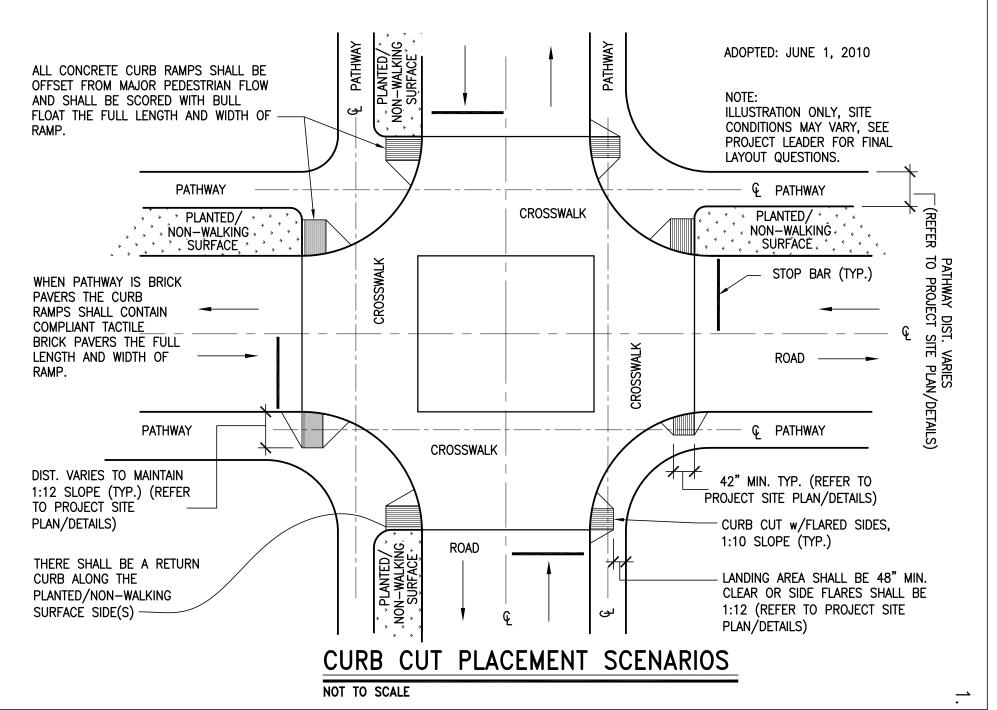
Emergency Phone Stations (Code Blue)

• Where emergency phone stations are provided, they shall be approachable and usable by challenged people (i.e. clear, level ground surface and operable parts not higher than 48" A.F.F., Braille instructions and visual operation indication).

The following Appendix illustrates the above-developed guidelines. These are general guidelines and site conditions may vary. Contact the PSU project leader with design layout questions. For your reference the PSU Access Enhancements are posted on the web at

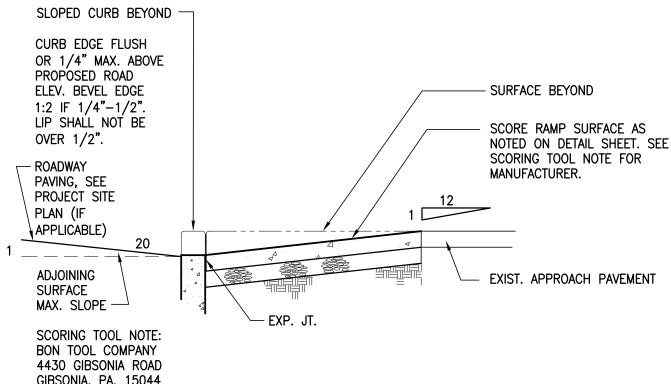
http://www.opp.psu.edu/planning-construction/design and construction standards/Division-01#section-14 "design standards".

APPENDIX



ADOPTED: JUNE 1, 2010

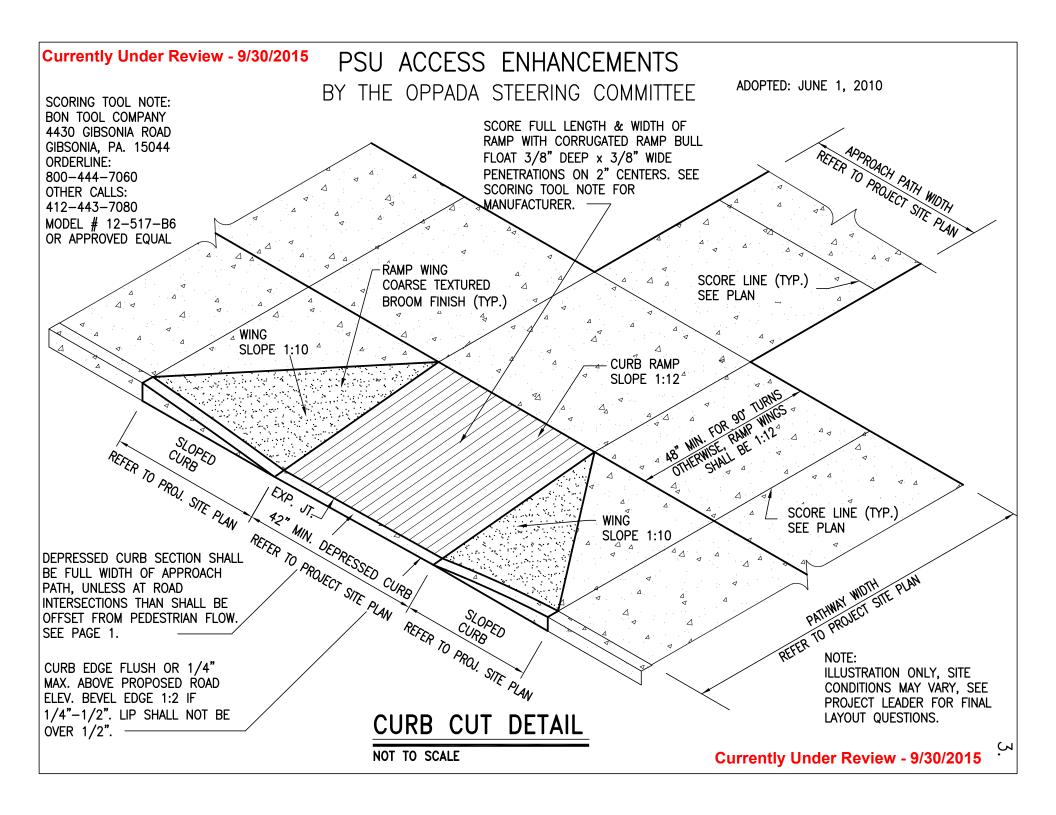
NOTE: ILLUSTRATION ONLY, SITE CONDITIONS MAY VARY. SEE PROJECT LEADER FOR FINAL LAYOUT QUESTIONS.



4430 GIBSONIA ROAD GIBSONIA, PA. 15044 ORDERLINE: 800-444-7060 OTHER CALLS: 412-443-7080 MODEL # 12-517-B6 OR APPROVED EQUAL

NOTE: SEE PROJECT SITE PLAN FOR LAYOUT OF SLOPED CURB, DEPRESSED CURB AND RAMP WINGS

CURB CUT PAVING DETAIL

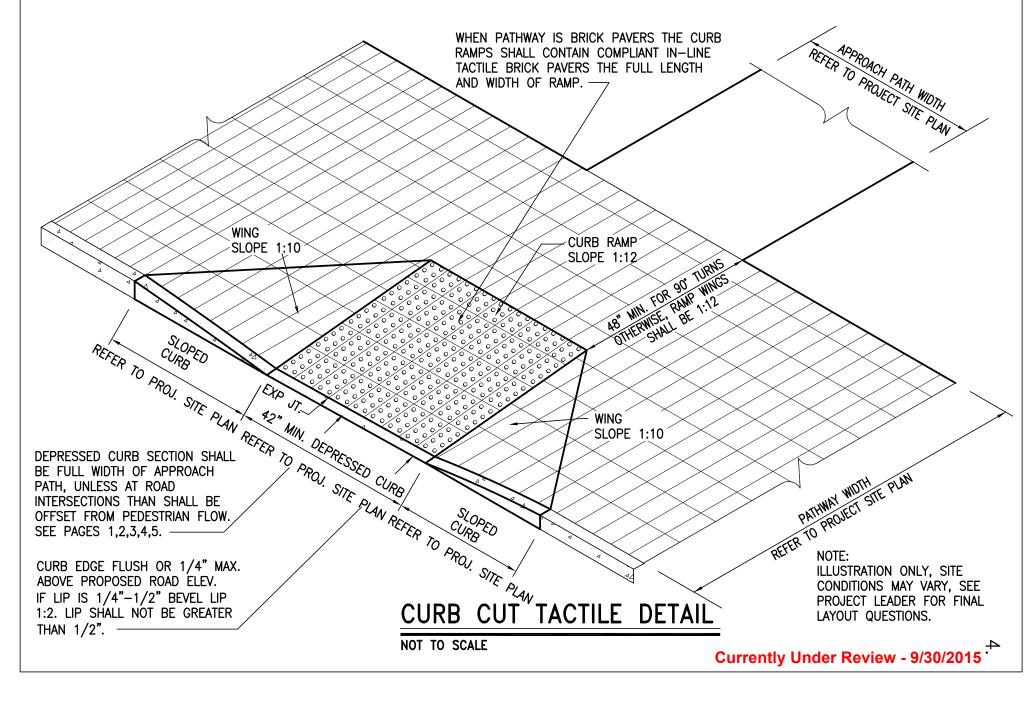


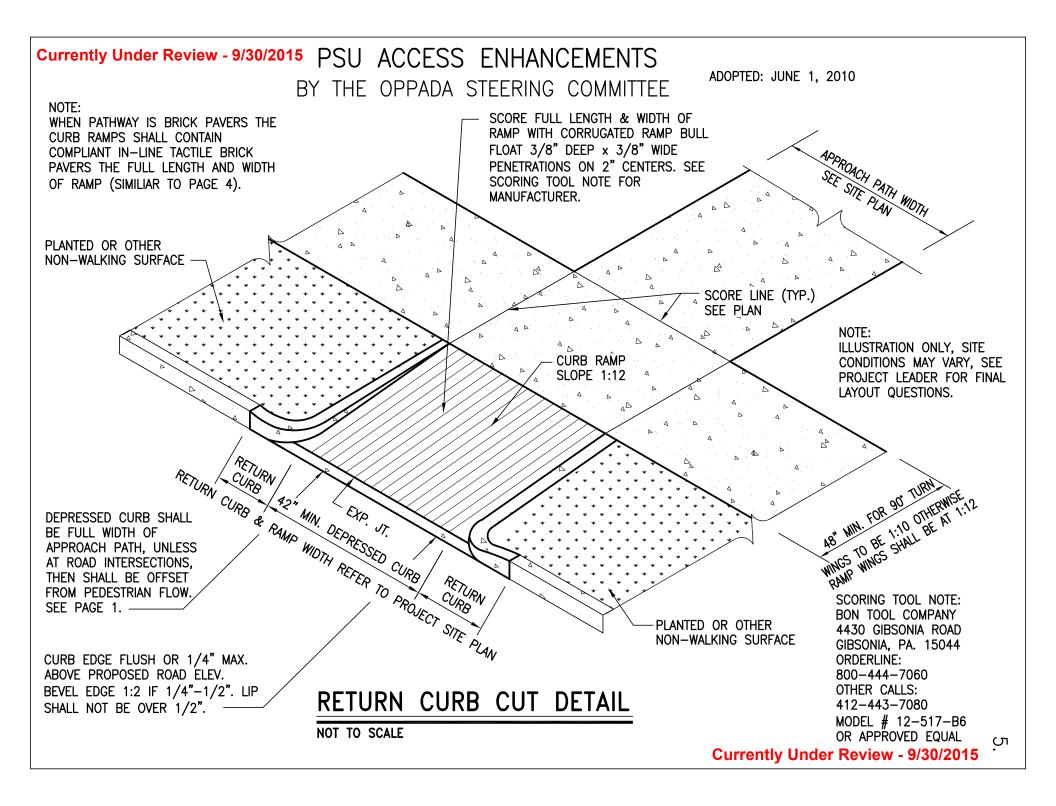
Currently Under Review - 9/30/2015

PSU ACCESS ENHANCEMENTS

BY THE UNIVERSITY ACCESS COMMITTEE

ADOPTED: JUNE 1, 2010

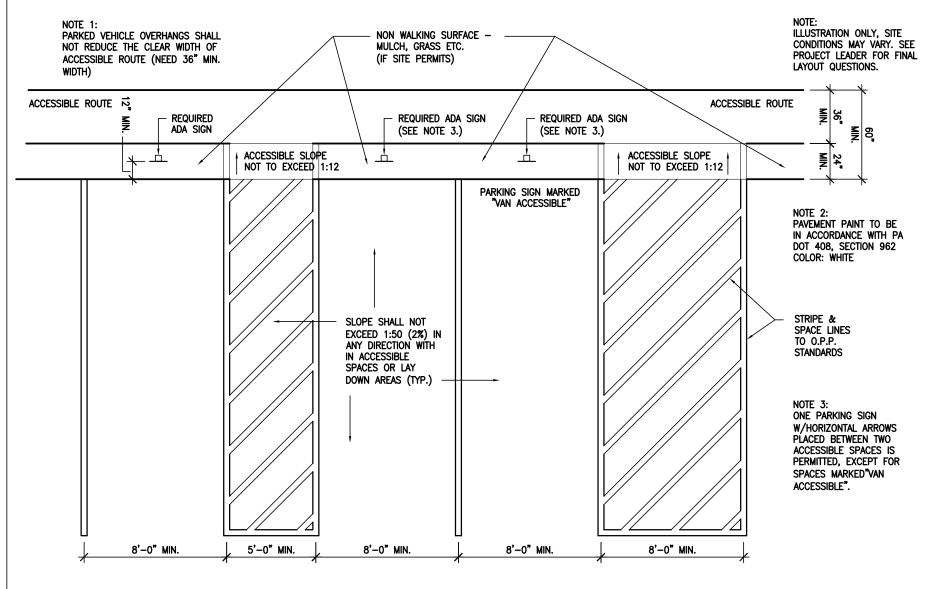




PSU ACCESS ENHANCEMENTS

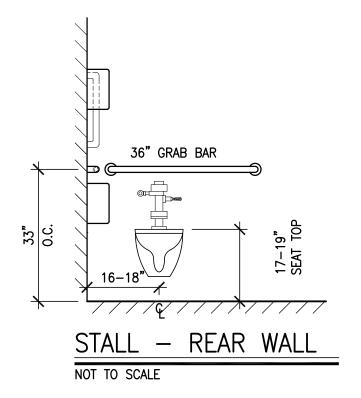
BY THE OPPADA STEERING COMMITTEE

ADOPTED: JUNE 1, 2010



PREFERRED ACCESSIBLE PARKING ARRANGEMENTS

ADOPTED: JUNE 1, 2010



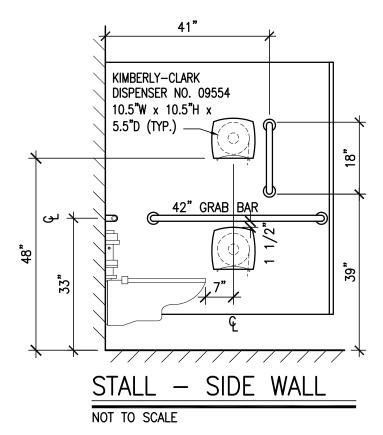
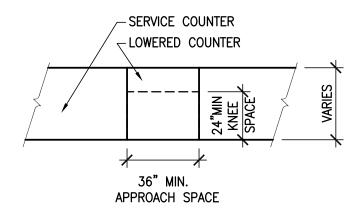


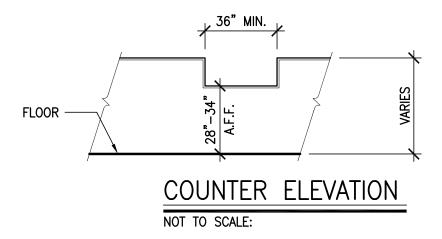
ILLUSTRATION ONLY, SITE CONDITIONS MAY VARY. SEE PROJECT LEADER FOR FINAL LAYOUT QUESTIONS.

NOTE:
ACCESSIBLE STALL DIMENSIONS SHALL FOLLOW ANSI A117.1 STANDARDS.
A STANDARD SHELF SHALL BE MOUNTED IN STALL AT 48" A.F.F.

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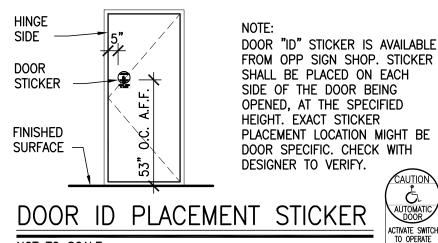


COUNTER PLAN NOT TO SCALE:

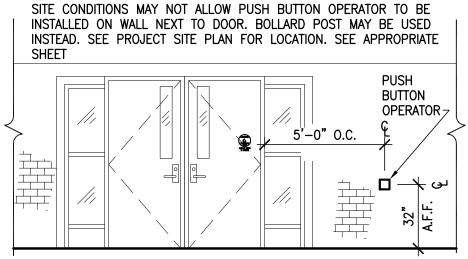


NOTE: ILLUSTRATION ONLY, SITE CONDITIONS MAY VARY. SEE PROJECT LEADER FOR FINAL LAYOUT QUESTIONS.

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NOT TO SCALE:

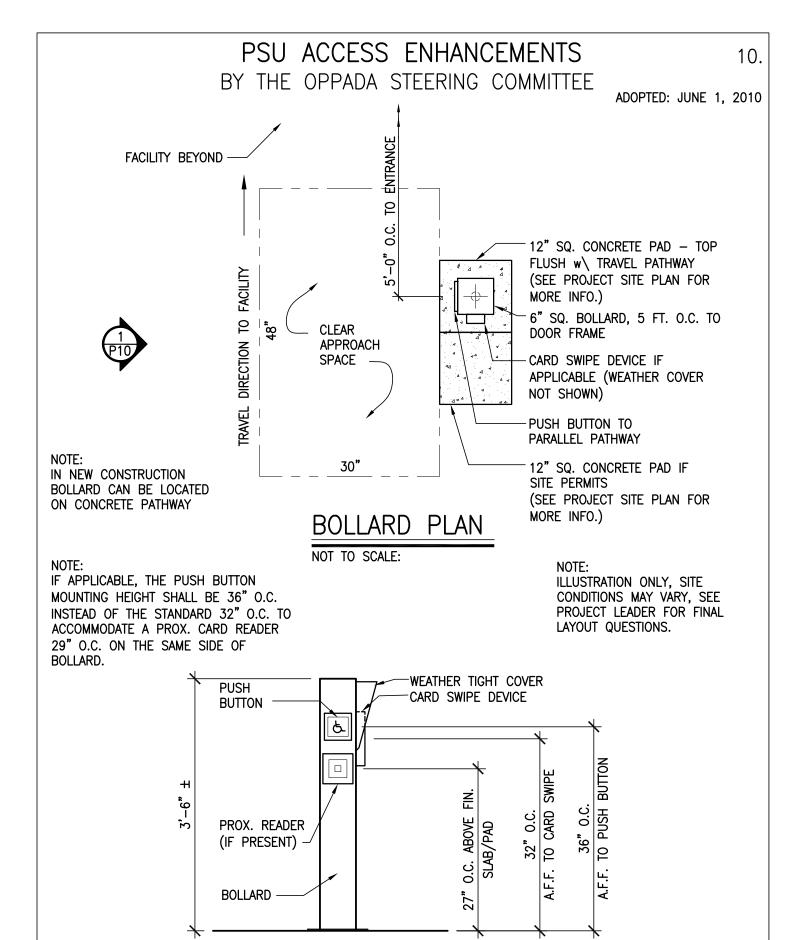


LOCATION OF PUSH BUTTON AND/OR ACCESS CARD READER TO BE MOUNTED 32" A.F.F.

PUSH BUTTON LOCATIONS

NOT TO SCALE: (NON-BOLLARD APLICATIONS)

NOTE:
ILLUSTRATION ONLY, SITE
CONDITIONS MAY VARY. SEE
PROJECT LEADER FOR FINAL
LAYOUT QUESTIONS.



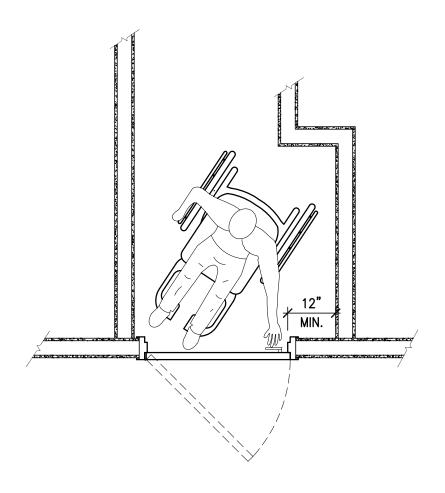
BUTTON MOUNTING HEIGHTS

P10 NOT TO SCALE:

11.

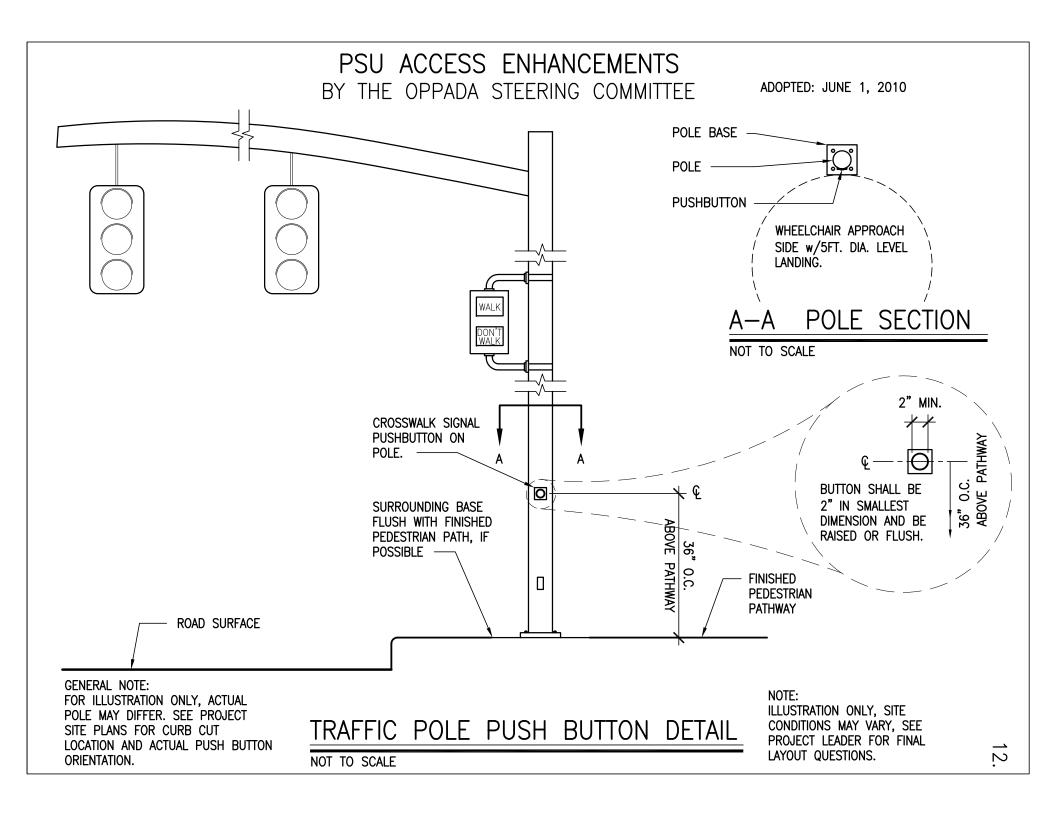
PSU ACCESS ENHANCEMENTS BY THE OPPADA STEERING COMMITTEE

ADOPTED: JUNE 1, 2010

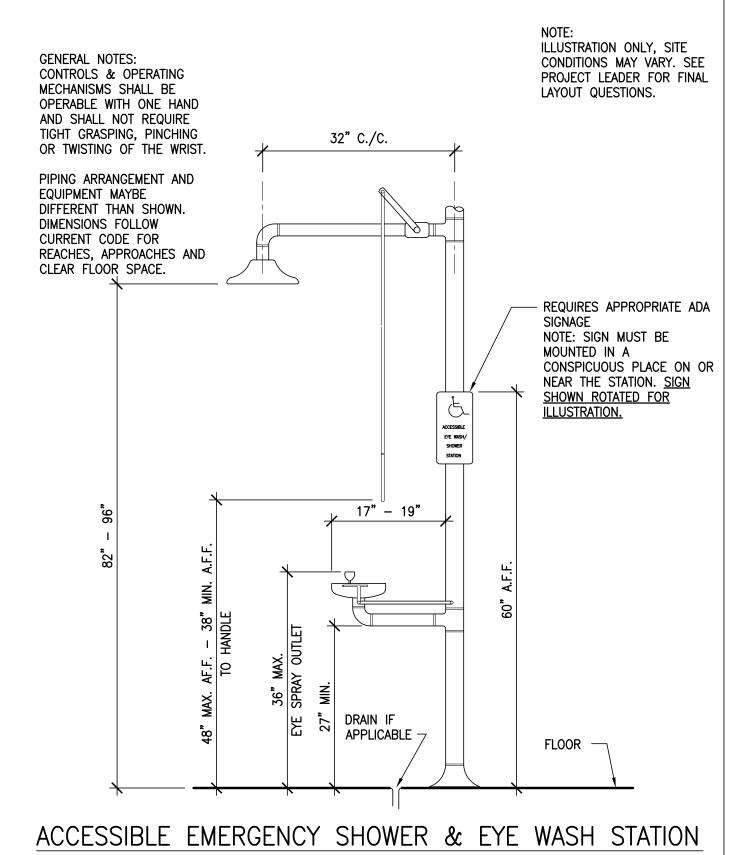


NOTE: ILLUSTRATION ONLY, SITE CONDITIONS MAY VARY. SEE PROJECT LEADER FOR FINAL LAYOUT QUESTIONS.

CLEARANCE AT LATCHED DOOR (w/o closer)



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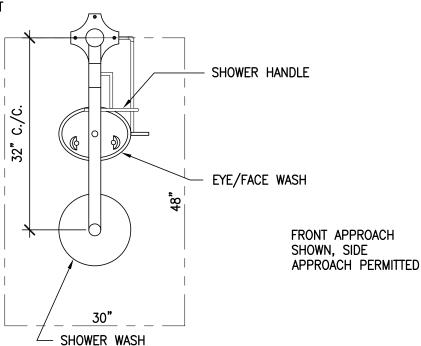
NOTE: ILLUSTRATION ONLY, SITE CONDITIONS MAY VARY. SEE PROJECT LEADER FOR FINAL LAYOUT QUESTIONS.

GENERAL NOTES:
CONTROLS & OPERATING
MECHANISMS SHALL BE
OPERABLE WITH ONE HAND AND
SHALL NOT REQUIRE TIGHT
GRASPING, PINCHING OR
TWISTING OF THE WRIST.

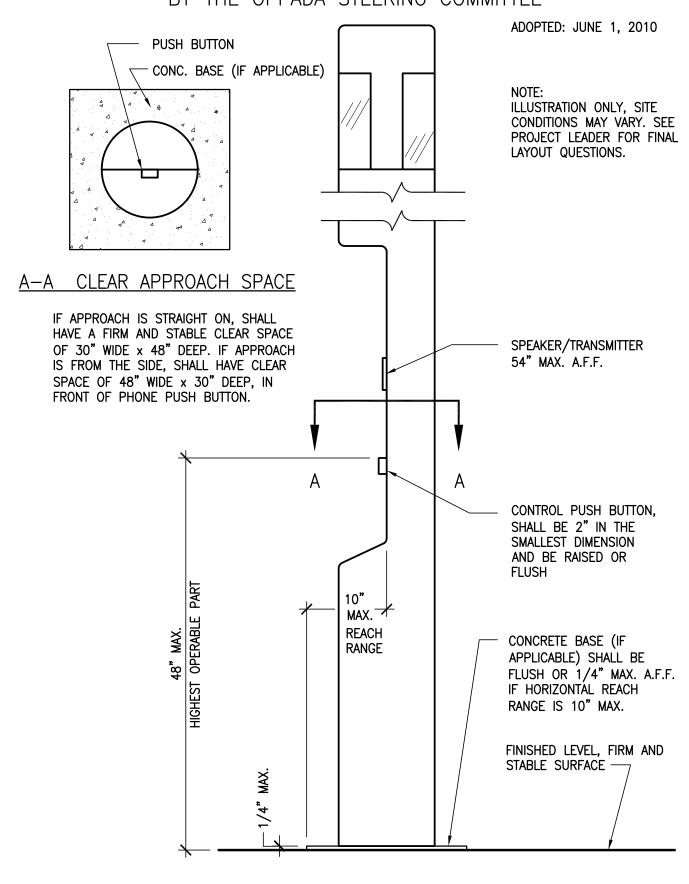
PIPING ARRANGEMENT AND EQUIPMENT MAYBE DIFFERENT THAN SHOWN. DIMENSIONS FOLLOW CODE.

SHALL BE CLEAR FLOOR SPACE OF 48"L x30"W MIN. IN FRONT OF WASH STATIONS.

SEE SHEET 13. FOR PLACEMENT OF SIGNAGE AND ADDITIONAL INFO.



EMERGENCY SHOWER & EYE WASH STATION PLAN



EMERGENCY PHONE - SIDE ELEV.