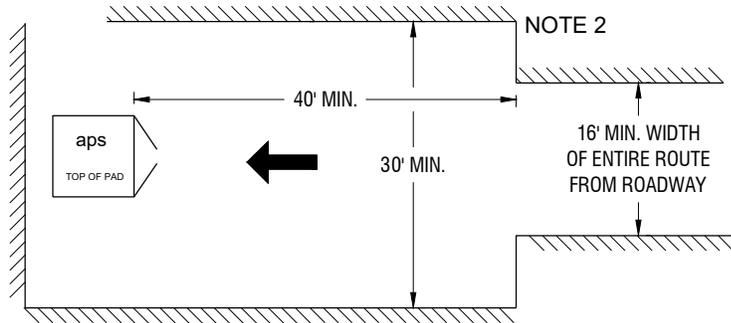


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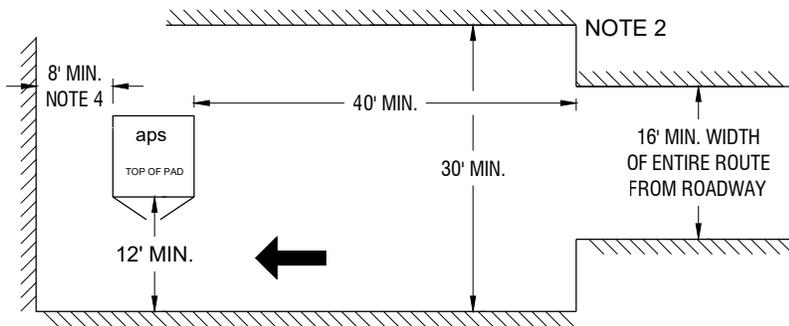
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1400.1 1-WAY ACCESS TO 3 PHASE TRANSFORMERS

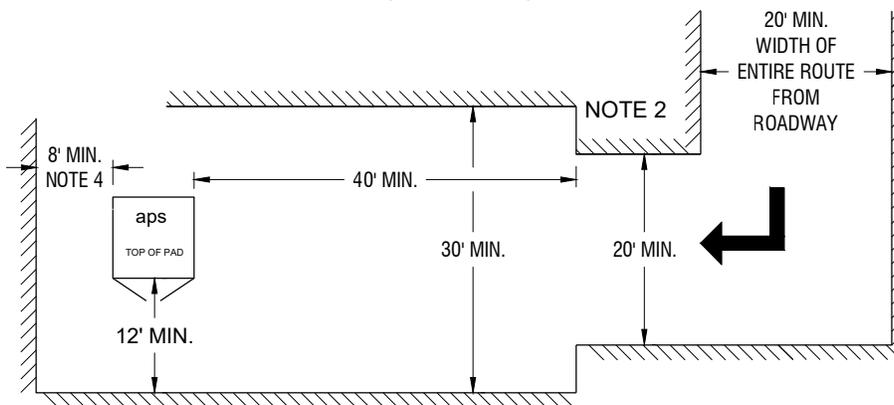
3 PHASE TRANSFORMER WITH ONE-WAY DIRECT (STRAIGHT) ACCESS TO THE FRONT (PLAN VIEW)



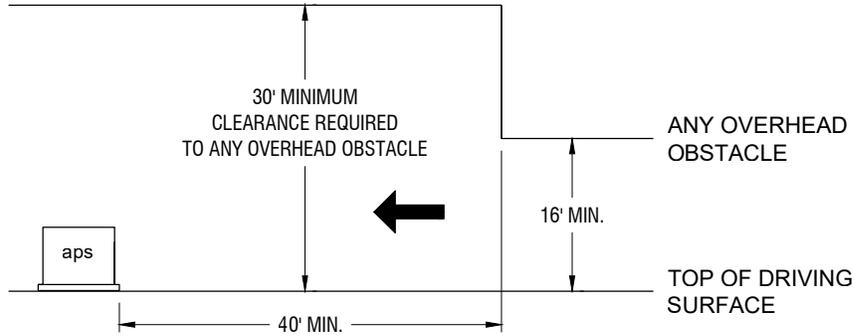
3 PHASE TRANSFORMER WITH ONE-WAY DIRECT (STRAIGHT) ACCESS FROM THE SIDE (PLAN VIEW)



3 PHASE TRANSFORMER WITH ONE-WAY INDIRECT (REQUIRING A TURN) ACCESS (PLAN VIEW)



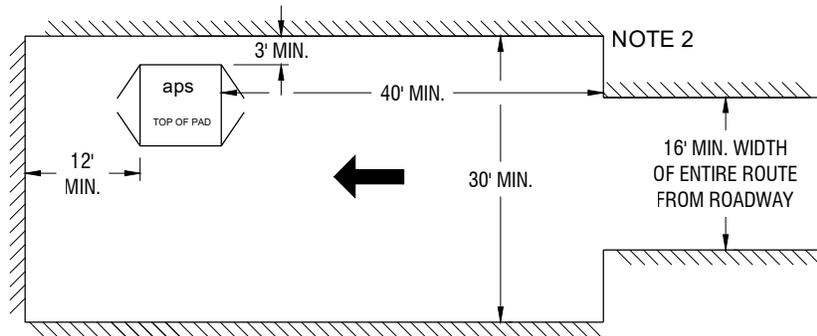
**3 PHASE TRANSFORMER ACCESS HEIGHT CLEARANCE REQUIREMENTS
(PROFILE VIEW)**



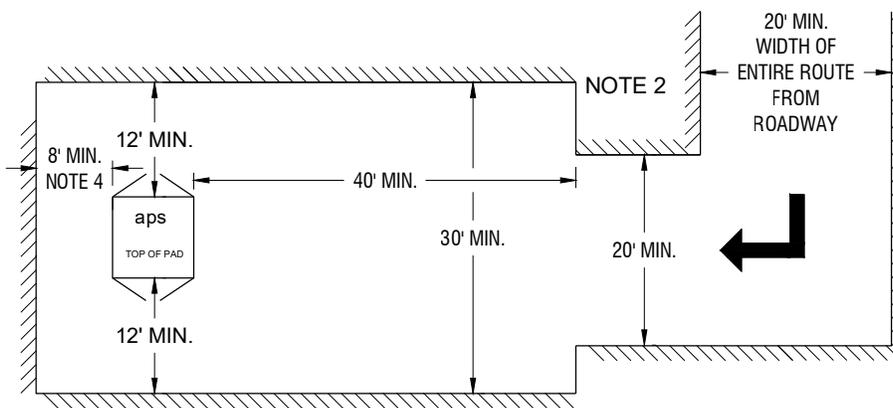
NOTES:

1. THESE REQUIRED ACCESS DIMENSIONS ARE IN ADDITION TO THE ELECTRICAL CLEARANCE STANDARDS.
2. THE BOUNDARY OF TRAVELED WAY IS ANY PERMANENT OBSTACLE TO VEHICLE ACCESS (I.E., BUILDING, FENCE, CUSTOMER EQUIPMENT, LANDSCAPE, DITCH, CURB, ETC.)
 BOUNDARY OF TRAVELED WAY
3. IF PROPOSED ACCESS ROUTE IS DIFFERENT THAN ANY OF THE ONES SHOWN IN THESE DETAILS, CONSULT YOUR PROJECT REPRESENTATIVE. THESE REQUIREMENTS ARE BASED ON APS SERVICE TRUCK MANEUVERING REQUIREMENTS.
4. 8' MINIMUM CLEAR SPACE IS REQUIRED FOR BACKING AND POSITIONING BEYOND THE EQUIPMENT.
5. ACCESS WAY MUST SUPPORT 80,000 LBS GVW.
6. CONSULT CUSTOMER PROJECT REPRESENTATIVE FOR VEHICLE ACCESS TO MULTIPLE PAD-MOUNTED EQUIPMENT.

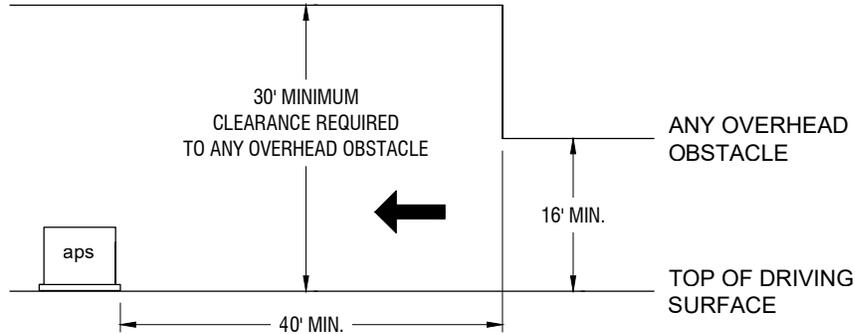
**3 PHASE SWITCHING CABINET WITH ONE-WAY DIRECT (STRAIGHT) ACCESS
(PLAN VIEW)**



**3 PHASE SWITCHING CABINET WITH ONE-WAY INDIRECT (REQUIRING A TURN) ACCESS
(PLAN VIEW)**



**3 PHASE SWITCHING CABINET ACCESS HEIGHT CLEARANCE REQUIREMENTS
(PROFILE VIEW)**



NOTES:

1. THESE REQUIRED ACCESS DIMENSIONS ARE IN ADDITION TO THE ELECTRICAL CLEARANCE STANDARDS.
2. THE BOUNDARY OF TRAVELED WAY IS ANY PERMANENT OBSTACLE TO VEHICLE ACCESS (I.E., BUILDING, FENCE, CUSTOMER EQUIPMENT, LANDSCAPE, DITCH, CURB, ETC.)

BOUNDARY OF TRAVELED WAY

3. IF PROPOSED ACCESS ROUTE IS DIFFERENT THAN ANY OF THE ONES SHOWN IN THESE DETAILS, CONSULT YOUR PROJECT REPRESENTATIVE. THESE REQUIREMENTS ARE BASED ON APS SERVICE TRUCK MANEUVERING REQUIREMENTS.
4. 8' MINIMUM CLEAR SPACE IS REQUIRED FOR BACKING AND POSITIONING BEYOND THE EQUIPMENT.
5. ACCESS WAY MUST SUPPORT 80,000 LBS GVW.
6. CONSULT CUSTOMER PROJECT REPRESENTATIVE FOR VEHICLE ACCESS TO MULTIPLE PAD-MOUNTED EQUIPMENT.

1400.3 PAD-MOUNTED FACILITY, COMMERCIAL SES, METER ROOM OR VAULT ACCESSIBILITY REQUIREMENTS

1400.3-1 1-WAY DIRECT (STRAIGHT) ACCESS TO PAD-MOUNTED FACILITY, COMMERCIAL SES, METER ROOM OR VAULT

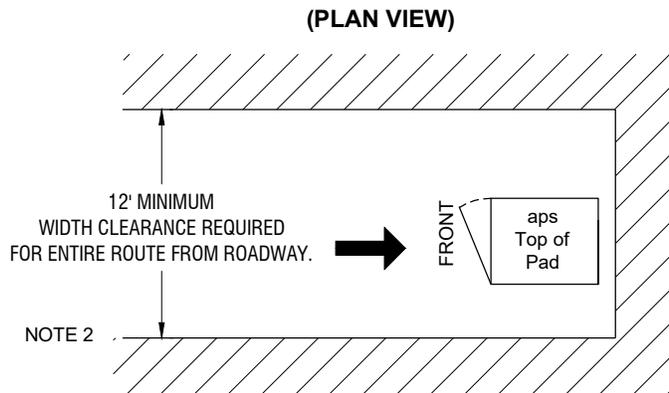


FIGURE 1: ACCESS TO THE FRONT OF THE EQUIPMENT OR ACCESS DOOR

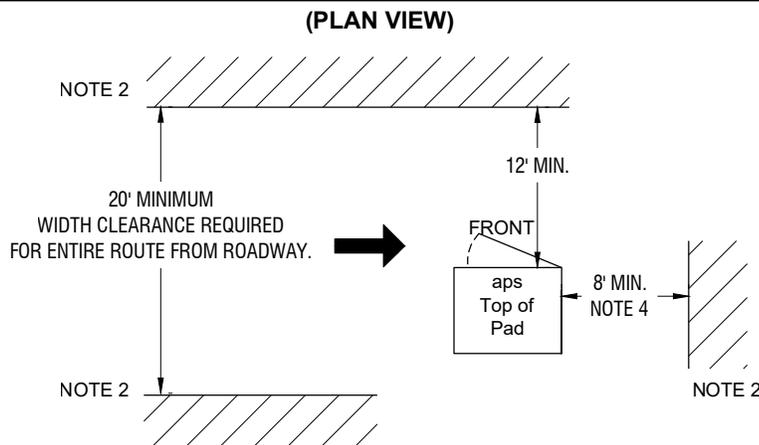


FIGURE 2: ACCESS TO THE SIDE OF THE EQUIPMENT OR ACCESS DOOR

1400.3-2 1-WAY INDIRECT (REQUIRES A TURN) ACCESS TO PAD MOUNTED FACILITY, COMMERCIAL SES, METER ROOM OR VAULT

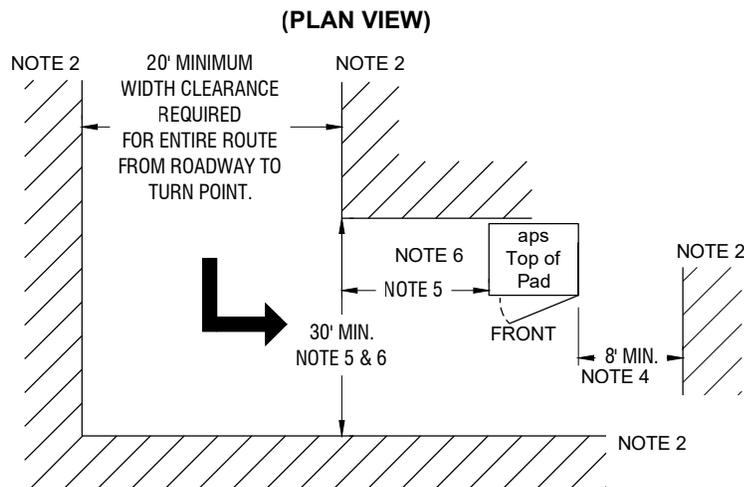


FIGURE 1: ACCESS TO THE FRONT FROM THE SIDE OF EQUIPMENT OR ACCESS DOOR

NOTES:

- 1. THESE REQUIRED ACCESS DIMENSIONS ARE IN ADDITION TO THE ELECTRICAL CLEARANCE STANDARDS. CLEARANCES PROVIDE ADEQUATE SPACE FOR APS VEHICLE ACCESS WITH PROPER EMERGENCY PERSONNEL INGRESS/EGRESS. THE ACCESS AND CLEARANCE REQUIREMENTS SHALL NOT OVERLAP/CONFLICT WITH SEPARATE JURISDICTION RESERVED AREAS (E.G., CITY FIRE LANES). SEE APS'S ELECTRIC CLEARANCE STANDARDS. SECTIONS 301.2, 301.3-1, 301.5, 301.6, 301.7, & 301.9.
- 2. THE BOUNDARY OF TRAVELED WAY IS ANY PERMANENT OBSTACLE TO VEHICLE ACCESS (I.E., BUILDING, FENCE, CUSTOMER EQUIPMENT, LANDSCAPE, DITCH, CURB, ETC.)

BOUNDARY OF TRAVELED WAY 

- 3. IF PROPOSED ACCESS ROUTE IS DIFFERENT THAN ANY OF THE ONES SHOWN IN THESE DETAILS, CONTACT AN APS REPRESENTATIVE. THESE REQUIREMENTS ARE BASED ON APS SERVICE TRUCK MANEUVERING REQUIREMENTS.
- 4. 8' MINIMUM CLEAR SPACE IS REQUIRED FOR BACKING AND POSITIONING BEYOND THE EQUIPMENT.
- 5. IF APS PADS OVER 40' BEYOND CORNER OF TURN, THE WIDTH OF THE TRAVELED WAY MAY BE REDUCED FROM 30' TO 20'.
- 6. FOR METER ROOM OR VAULT DOORS, THE WIDTH OF THE TRAVELED WAY MAY BE REDUCED FROM 30' TO 20'.
- 7. THERE ARE ADDITIONAL ACCESS REQUIREMENTS FOR VAULTS WITH HATCHES. CONTACT AN APS REPRESENTATIVE.
- 8. ACCESS WAY MUST SUPPORT 80,000 LBS GVW. (Per Federal Limits per D.O.T.)
- 9. CONSULT CUSTOMER PROJECT REPRESENTATIVE FOR VEHICLE ACCESS TO MULTIPLE PAD-MOUNTED EQUIPMENT.

THE ABOVE NOTES ALSO APPLY TO PAD-MOUNTED AND MULTIPLE PAD-MOUNTED FACILITIES ACCESS HEIGHT CLEARANCE REQUIREMENTS.

