

CLEARANCES

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SCOPE AND APPLICATION

The basic required clearances are governed by the Illinois Commerce Commission (ICC).

On January 8, 2003, the ICC adopted certain parts of the 2002 edition of the National Electric Safety Code. (83 Illinois Administrative Code Part 305)

Prior editions of the NESC used by the ICC include the 1993, 1990, 1984, and 1981 editions.

The clearances contained in this standard shall apply to all new installations and extensions (unless waived or modified by the ICC).

Existing installations including maintenance replacements which comply with the Commission's rules which were in effect at the time of the original installation need not be modified to comply with the new rules.

Where an existing installation meets, or is altered to meet, the requirements of the new rules, the installation is considered to be in compliance and is not required to comply with any previously adopted rules that have been superseded.

Where conductors or equipment are added, altered, or replaced on an existing structure, the structure or the facilities on the structure need not be modified or replaced if the resulting installation will be in compliance with (1) the rules which were in effect at the time of the original installation; (2) the rules in effect at the time of a previous modification; or (3) the rules currently in effect.

If the structure is replaced, the installation must meet the clearances as depicted in this standard.

This standard shall be used for information only. Any materials required shall be specified by other standard.

GENERAL NOTES

All voltages are phase to ground for effectively grounded circuits or phase to phase for 34.5kV circuits.

The conditions that follow should be used to determine basic clearances for all sections of this specification unless stated otherwise.

VERTICAL CLEARANCES

The basic vertical clearances required OVER AN OBJECT shall be based on the sag developed for the following conditions:

Primary Phase Conductor – Use the largest final sag of either a conductor temperature developed while operating at its maximum operating current, or at 32° F with no wind and 1/2 inch ice as shown in the Sag Tables (REF. NESC 232A2)

Neutral and Secondary Conductor – Use the final sag for a conductor temperature of 120°F. (REF. NESC 232A1)

The basic vertical clearances required UNDER AN OBJECT shall be based on the sag developed for the following conditions:

Primary Phase, Neutral, or Secondary Conductor – Use the initial sag for a conductor temperature of 0°F. (Ref. NESC 234A1d)

HORIZONTAL CLEARANCES

The basic horizontal clearances required shall be based on the sag developed for the following conditions:

Primary Phase, Neutral, or Secondary Conductor – Clearances shown indicate basic clearances for conductors at rest, no wind displacement. Additional clearance may be required for conductors displaced by wind. See note 2, page 10. (Ref. NESC 234A2)

BASIC CLEARANCE BETWEEN TAPS. (REF. NESC 235E)

A basic clearance of 4 inches shall be maintained between 12kV primary phase taps of the same circuit and wires of different polarity or from equipment cases or to ground. For open wire secondary taps, a basic clearance of 3 inches shall be maintained between the taps of different polarity.

CLEARANCE TO UNGUARDED RIGID LIVE PARTS OF EQUIPMENT. (REF. NESC 234J)

The basic horizontal and vertical clearances of unguarded rigid live parts (i.e. potheads, transformer bushings, surge arresters, short lengths of supply conductors connected thereto, etc.), which are not subject to variation in sag, shall be required for unguarded rigid live parts at the appropriate voltage level in the section concerned.

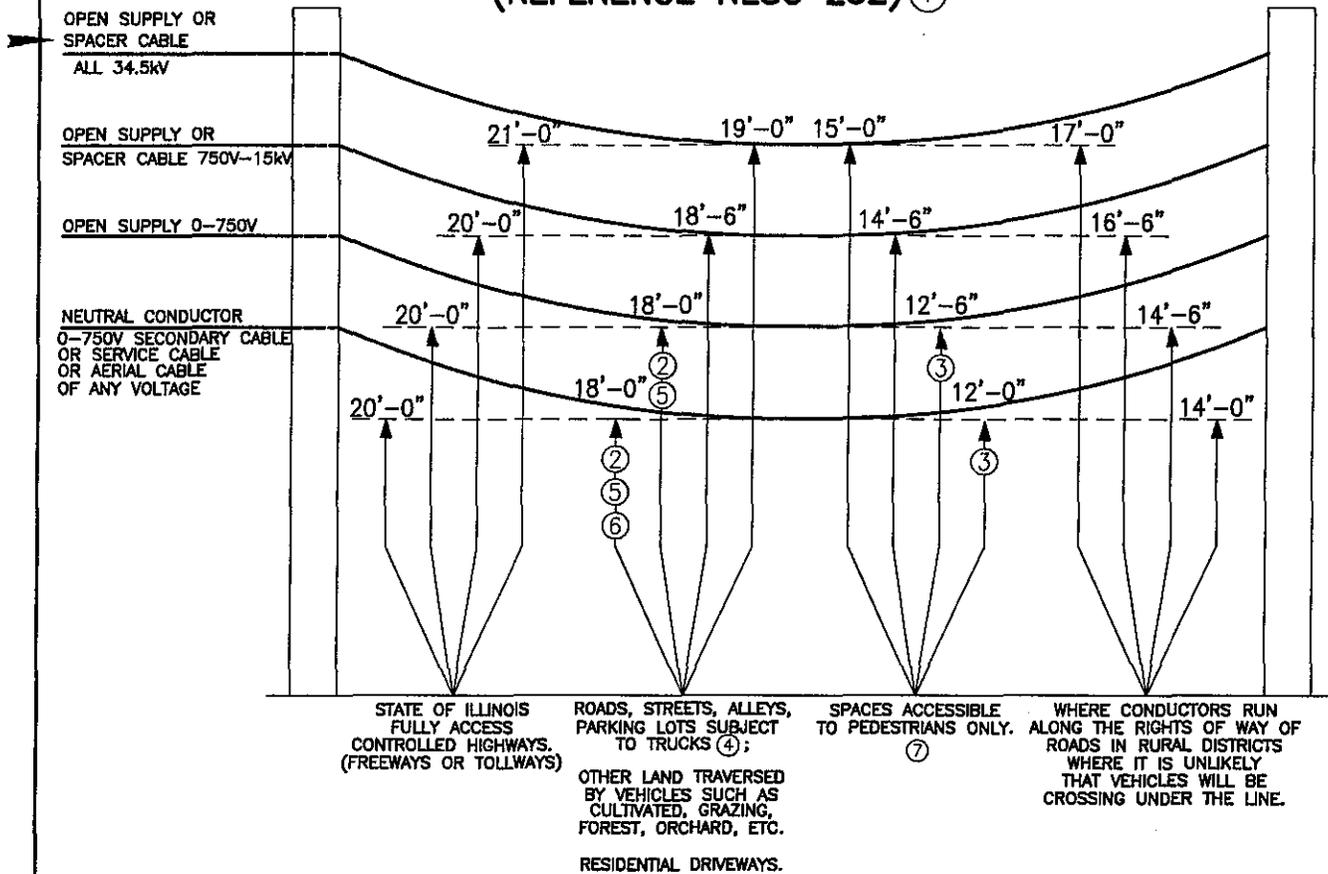
CLIMBING SPACE (REF. NESC 236)

A climbing space having the horizontal dimensions listed below shall be provided past any conductor, crossarm, or other equipment.

<u>Voltage Between Conductors</u>	<u>Basic Horizontal Climbing Space</u>
0-15kV	30 inches
15-38kV	40 inches

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**CLEARANCE FOR CONDUCTORS ABOVE GROUND OR ROADWAYS
 (AT ANY POINT IN THE SPAN)
 (REFERENCE NESC 232) ①**

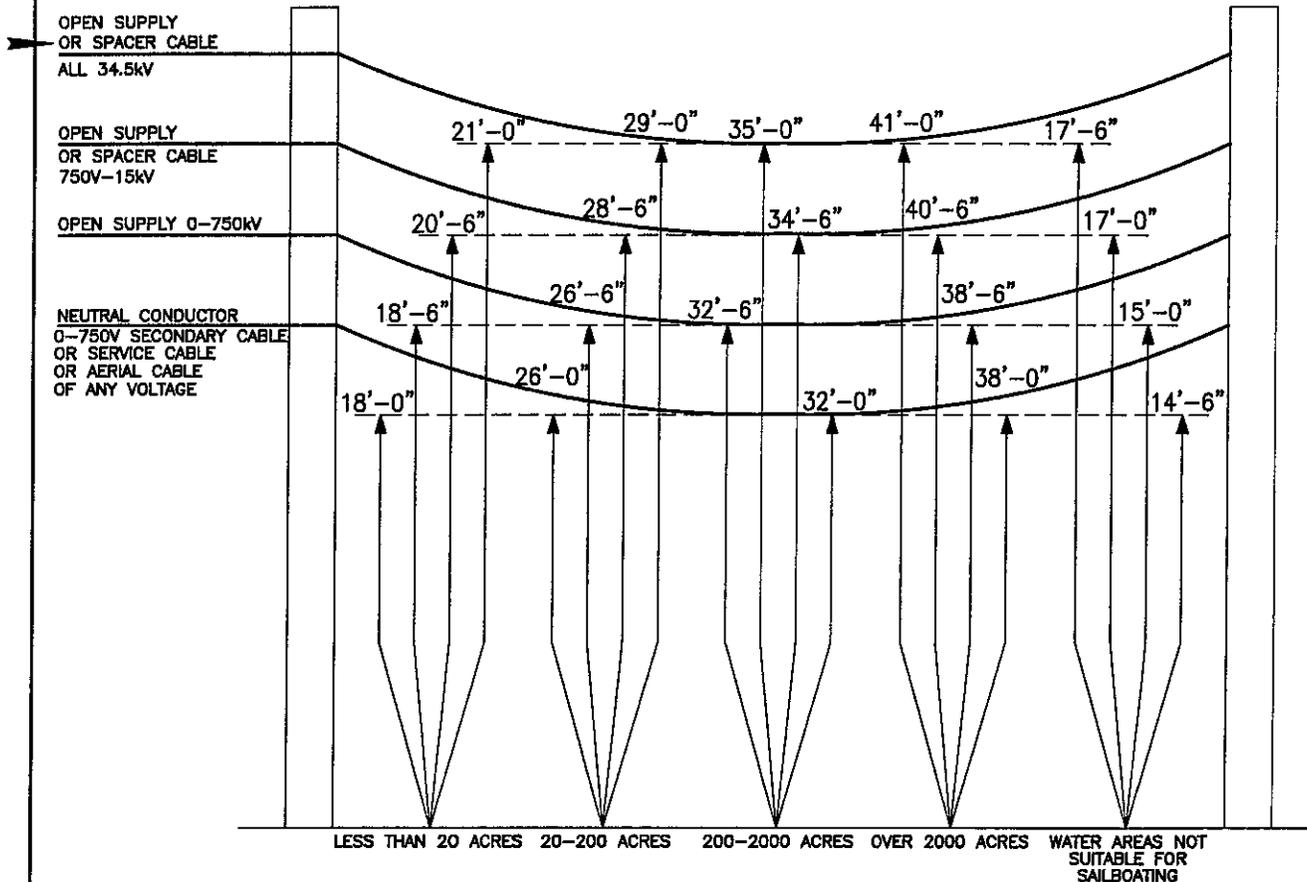


NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.
- ② This clearance may be reduced to 12'-6" for service drops (insulated open wire or cabled services) over residential driveways when the voltage is less than 300V to ground and 10'-6" for their associated drip loops. This clearance may be reduced to 12'-0" for cabled services over residential driveways only when the voltage is less than 150V to ground and 10'-0" for its associated drip loops.
- ③ This clearance may be reduced to 10'-6" for service drops (insulated open wire or cabled services) and drip loops when the voltage is less than 300V to ground. This clearance may be reduced to 10'-0" for cabled services and drip loops only when the voltage is less than 150V to ground.
- ④ Trucks are defined as any vehicle exceeding 8'-0" in height. (Ref. NESC Table 232-1 note 23.)
- ⑤ This clearance is governed by Illinois Department of Transportation "Accommodation of Utilities on Right-of-way of the Illinois State Highway System", February 1992.
- ⑥ Where this construction crosses over or runs along alleys, driveways, or parking lots not subject to truck traffic, this clearance may be reduced to 15'-0". (Ref. NESC Table 232-1 note 13.) For roads not covered by IDOT, these clearances may be reduced to 16'-0".
- ⑦ Spaces accessible to pedestrians only are those where riders on horses or large animals, vehicles, or other mobile units exceeding a total height of 8'-0" are prohibited or not normally encountered. (Ref. NESC Table 232-1 note 9)

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CLEARANCE FOR CONDUCTORS ABOVE WATER SUITABLE FOR SAILBOATING (REFERENCE NESC 232) ① ② ③

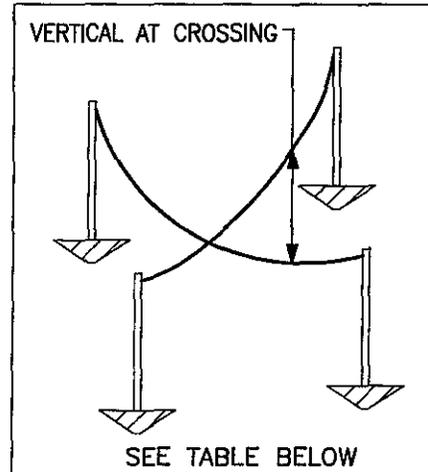
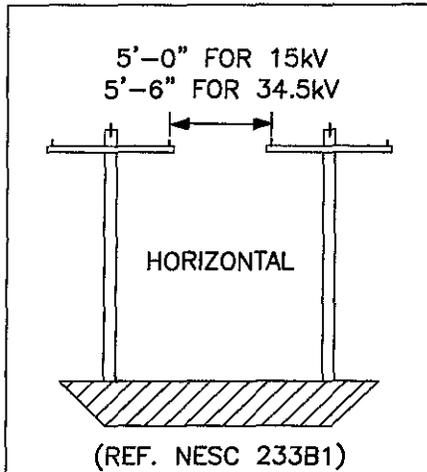


NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.
- ② Bodies of water governed by the Army Corp of Engineers may require greater clearances. Reference the Real Estate Department book "Routine Procedures for the Procurement of Easements and Permits" for further information on clearance requirements.
- ③ For controlled impoundments, the surface area and corresponding clearances shall be based upon the design high water level. For other waters, the surface area shall be that enclosed by its annual high water mark, and clearances shall be based on the normal flood level. The clearances over rivers, streams, and canals shall be based upon the largest surface area of any 1 mile long segment which includes the crossing. The clearance over a canal, river, or stream normally used to provide access for sailboats to a larger body of water shall be the same as that required for the larger body of water. (Ref. NESC Table 232-1 Notes 17, 18 and 19.) To calculate acres from square feet, divide the square footage by 43560 sq. ft./acre.

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CLEARANCE BETWEEN CONDUCTORS CARRIED ON DIFFERENT SUPPORTING STRUCTURES (REFERENCE NESC 233)



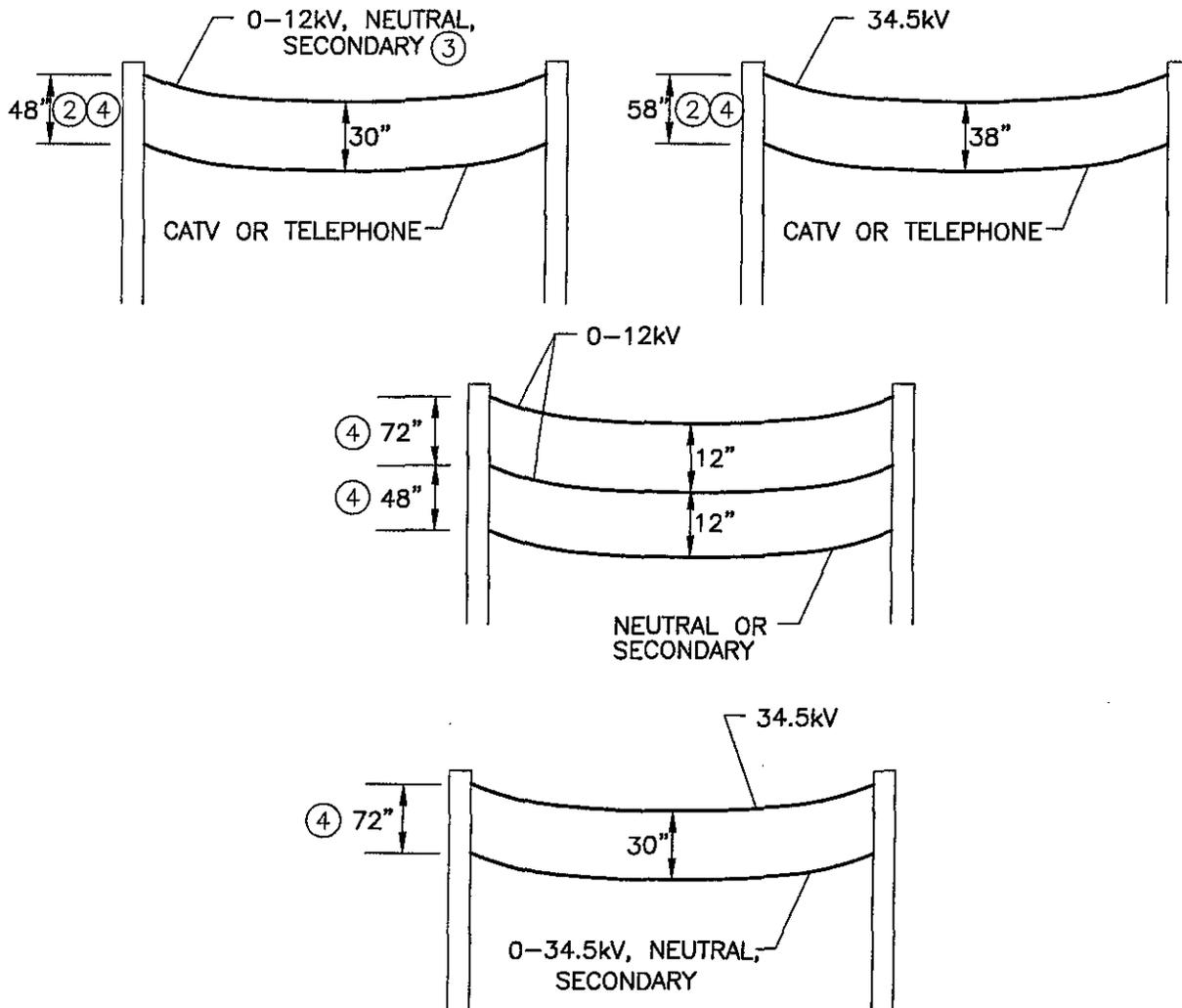
CONDUCTOR IN LOWER POSITION ①	CONDUCTOR IN UPPER POSITION ①				
	GROUNDED GUYS; NEUTRAL CONDUCTORS; SECONDARY AND SERVICE CABLE; AERIAL CABLE	OPEN SUPPLY CONDUCTORS SPACER CABLE			
		0-750V	750V-15kV	ALL 34.5kV	
COMMUNICATION; MESSENGERS	2'-0"	4'-0" ②	5'-0" ③	5'-6"	
GUYS, SPAN WIRES, NEUTRAL CONDUCTORS, SECONDARY AND SERVICE CABLE, AERIAL CABLE	2'-0"	2'-0"	2'-0"	2'-6"	
OPEN SUPPLY CONDUCTORS; SPACER CABLE	0-750V	4'-0"	2'-0"	2'-0"	2'-6"
	750V-15kV	5'-0" ④	2'-0" ④	2'-0"	2'-6"
	ALL 34.5kV	5'-6" ④	2'-6" ④	2'-6" ④	3'-0"
TROLLEY AND ELECTRIFIED RAILROAD CONTACT CONDUCTORS AND ASSOCIATED WIRES	0-750V	4'-0"	4'-0"	6'-0"	6'-6"
	ABOVE 750V	6'-0"	6'-0"	6'-0"	8'-6"

NOTES (applicable to this page only):

- ① For the upper conductor, (for open supply conductors) use the final sag at its maximum operating current and the lower conductor at its initial sag at 60°F. For neutral, secondary, or service cable in the upper position, use final sag developed while operating at 120°F.
- ② May be reduced to 2'-0" for open wire service drops.
- ③ May be reduced to 4'-0" where supply conductors of 750v-8.7kV cross a communication line more than 6'-0" horizontally from a communication structure.
- ④ This crossing should be avoided.

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**VERTICAL CLEARANCE BETWEEN CONDUCTORS
 CARRIED ON THE SAME SUPPORTING STRUCTURE
 (BASIC CLEARANCE SHOWN IN NESC 235C) ①**

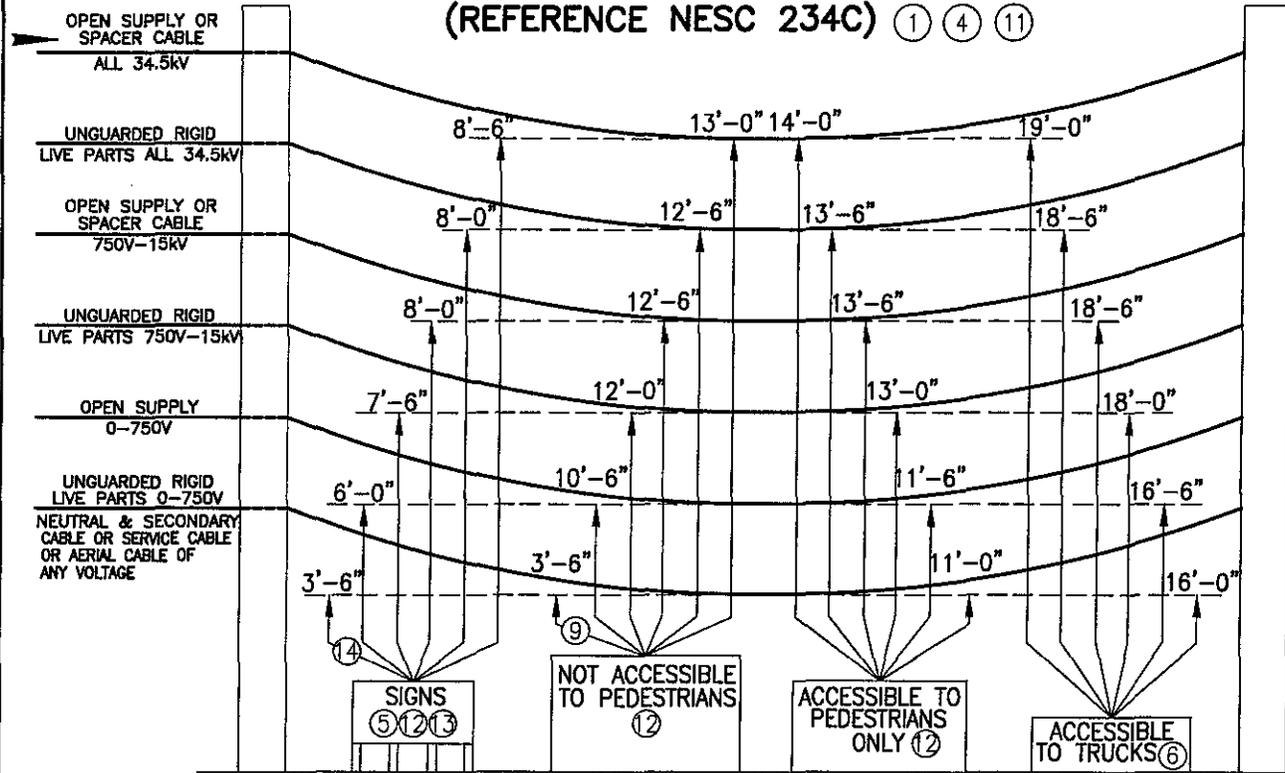


NOTES (applicable to this page only):

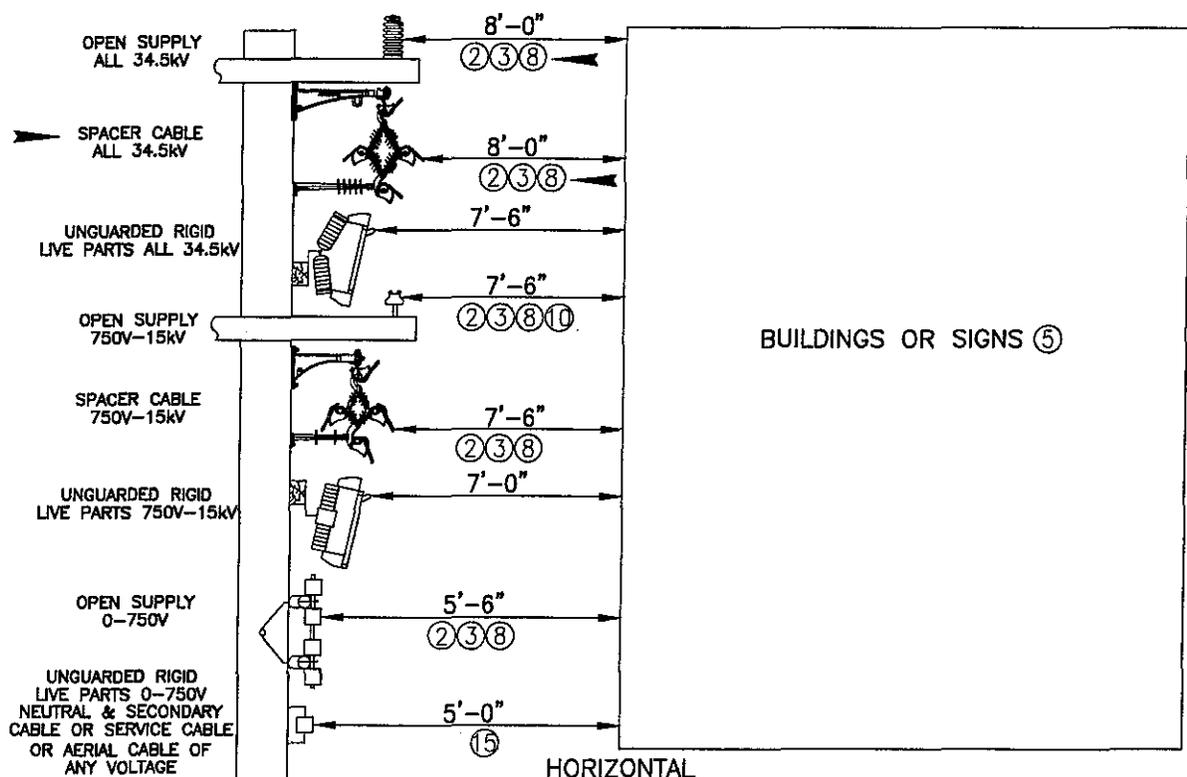
- ① Apply the following conductor temperature and loading conditions whichever produces the greater vertical clearance at the structure: (a) use the upper conductor at final sag at maximum operating current and the lower conductor at final sag at 120° F, or (b) use the upper conductor at final sag at 32° F with 1/2 inch ice and the lower conductor at final sag at 32° F.
- ② Reference C7481 Example A for possible reduction in clearance requirement.
- ③ Supply service drops of 0-750V running above and parallel to communication service drops may have a basic spacing of 12 inches at any point in the span including the point of attachment to the building provided the non-grounded conductors are insulated and that the clearance required by this rule (48 inches) is maintained between the two service drops at the pole. (Ref. NESC 235C1, exception 3)
- ④ Dimension increased beyond NESC requirements to accommodate ComEd conductors, tensions, phase spacing, etc.

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CLEARANCE FOR CONDUCTORS AND RIGID LIVE PARTS FROM BUILDINGS, SIGNS, BILLBOARDS, RADIO AND TELEVISION ANTENNAS, TANKS (16), AND OTHER INSTALLATIONS EXCEPT BRIDGES (REFERENCE NESC 234C) (1) (4) (11)



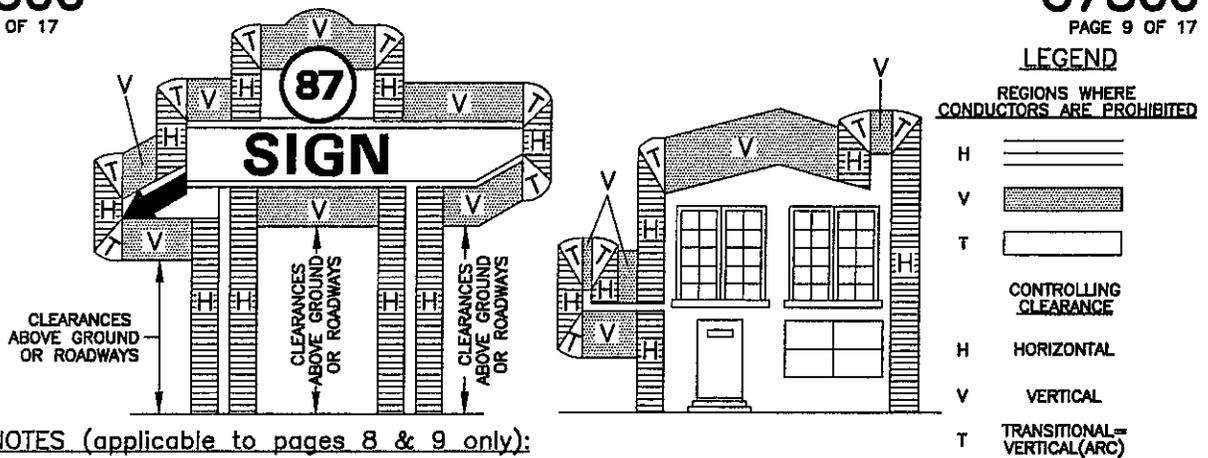
VERTICAL



HORIZONTAL

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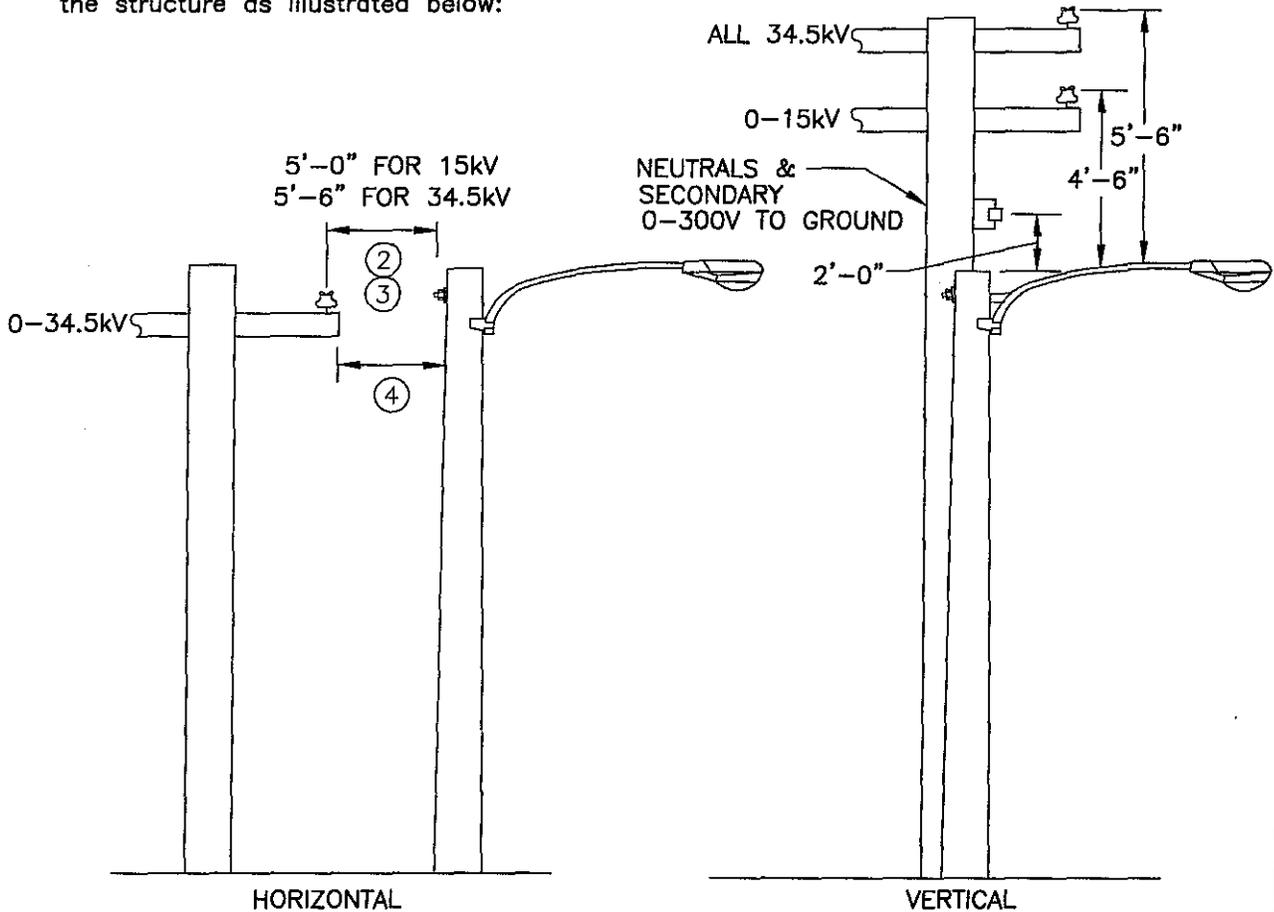
NOTES (applicable to pages 8 & 9 only):

- ① For sag conditions see General Notes, page 3.
- ② Where building, sign, chimney, antenna, tank, or other installation does not require maintenance or other operations which would require persons to work between supply conductors and the structure, the clearance may be reduced by 2'-0". This clearance cannot be decreased, when referenced to buildings, where balconies or projections are accessible to pedestrians or when installed next to unguarded windows.
- ③ Where available space will not permit this value, the clearance may be reduced by 2'-0" provided the conductors, including splices and taps, have covering which provides sufficient dielectric to prevent a short circuit in case of momentary contact between the conductors and a grounded surface. This clearance cannot be decreased, when referenced to buildings, where balconies or projections are accessible to pedestrians or when installed next to unguarded windows.
- ④ A roof, balcony, or area is considered accessible to pedestrians if it can be casually accessed through a doorway, window, ramp, stairway, or permanently mounted ladder by a person on foot who neither exerts extraordinary physical effort nor employs special tools or devices to gain entry. A permanently mounted ladder is not considered a means of access if its bottom rung is 8'-0" or more from the ground or other permanently installed accessible surface.
- ⑤ The required clearances shall be to the closest approach of motorized signs or moving portions of installation.
- ⑥ Trucks are defined as any vehicle exceeding 8'-0" in height.
- ⑧ Clearances shown are for conductors at rest (no wind displacement). When the conductor is displaced by wind, it cannot come closer than 3'-6" for open supply conductors 0-750V, and 4'-6" for open supply conductors 750V-15kV, and 5'-0" for open supply conductors 15kV-34kV (see note 2, page 10).
- ⑨ This clearance must be 10'-0" for unguarded rigid live parts 0-750V.
- ⑩ Where available space will not permit this value, the clearance may be reduced to 7'-0" for conductors limited to 8.7kV to ground.
- ⑪ Where the clearances in the illustrations cannot be obtained, the supply conductors must be guarded. (Ref. NESC 234C2)
- ⑫ Clearances are for conductors passing over or under the object.
- ⑬ Also included in the sign category are billboards, chimneys, radio and television antennas, tanks, and other installations except bridges.
- ⑭ This clearance must be 5'-6" for unguarded rigid live parts 0-750V.
- ⑮ Horizontal clearances for service drops may be reduced to 3'-0" from windows, doors, porches, fire escapes, and similar installations. If service voltage is less than 300V to ground, a basic horizontal clearance of 3" is required from surfaces of the building not described above. (Ref. NESC 234C3)
- ⑯ Conductors shall not overhang tanks containing flammables. Basic horizontal dimension at any height above ground shall be 15'-0".

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CLEARANCE FOR CONDUCTORS FROM OTHER SUPPORTING STRUCTURES (REFERENCE NESC 234B) ①

Conductors passing near a lighting support, traffic signal support, or a supporting structure of a second line, without being attached thereto, shall have clearance from any part of the structure as illustrated below:



NOTES (applicable to this page only)

- ① For sag conditions see General Notes, page 3.
- ② Additional horizontal space may be required at midspan under wind conditions to meet the basic wind clearance. The table below right depicts the amount of horizontal blowout under wind conditions (based on sag of 266.8 kcmil bare aluminum at 60°F, which has the largest blowout). Use the 6 lb/ft² wind force for unsheltered locations and the 4 lb/ft² wind force for sheltered locations. Note that most horizontal clearances have both at rest and under wind condition clearances. The blowout figures should be applied to the under wind condition clearances (refer to note 3).
- ③ Clearances shown are for conductors at rest (no wind displacement). When the conductor is displaced by wind, it cannot come closer than 3'-6" for open supply conductors 0-750V, and 4'-6" for open supply conductors 750V-15kV. 5'-0" for open supply conductors 15kV-34kV.
- ④ For guys, messengers, neutrals, and cables of 300 Volts or less to ground, the clearance may be reduced to 3 feet.

WIND FORCE	SPAN LENGTH	HORIZONTAL BLOWOUT
6 LB/FT ² (48 mph)	100'	12"
	150'	18"
	200'	26"
4 LB/FT ² (39 mph)	100'	9"
	150'	15"
	200'	21"

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CLEARANCE FOR CONDUCTORS OR POLES TO RAILROAD TRACKS AND RAIL CARS (REFERENCE NESC 234I) ① ②

Where overhead conductors run along railroad tracks, the basic clearance in any direction shall be as shown in the figure below. The values of V and H, as used in the figure, are defined as:

V=basic vertical clearance from the conductor above the top of the rail car is as specified below minus 20'-0" (the assumed height of the rail car).

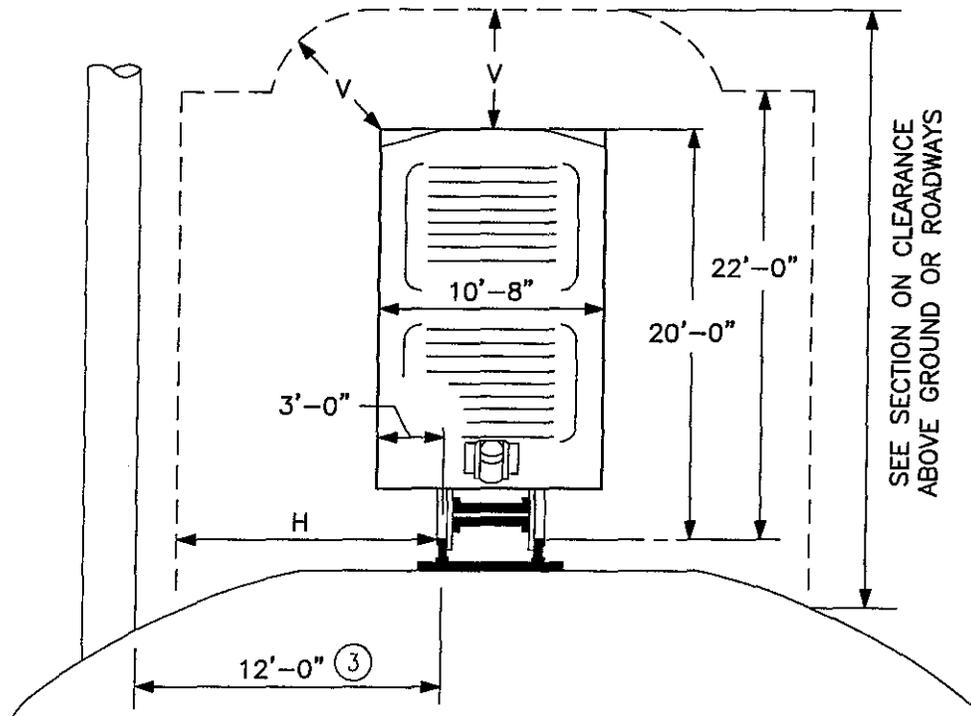
H=basic horizontal clearance from the conductor to the nearest rail is as specified below as vertical clearance minus 15'-0". See note 2, page 10 for increases in horizontal clearance under wind conditions.

The clearances are computed for railroads handling standard rail cars as common carriers in interchange service with other railroads. Where conductors run along mine, logging, and similar railways which handle only cars smaller than standard freight cars, the value of H may be reduced by one-half the difference between the width of a standard railcar (10'-8") and the width of the narrower car.

CLEARANCE REQUIRED ABOVE	NEUTRAL COND.; GUY; TR. BUSHING; SECONDARY CABLE; AERIAL CABLE	OPEN SUPPLY CONDUCTORS; SPACER CABLE		
		0-750V	750V-15KV	ALL 34.5KV
TRACK RAILS	24'-0"	24'-6"	26'-6"	27'-0"

NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.
- ② Reference the Real Estate Department book "Routine Procedures for the Procurement of Easements and Permits" for further information on clearance requirements. Local rail lines may have additional clearance requirements.
- ③ This clearance may be reduced to 7'-0" if the pole is not the controlling obstruction to loading and unloading the rail car.



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CLEARANCE FOR CONDUCTORS INSTALLED OVER OR NEAR SWIMMING AREAS (REFERENCE NESC 234E) ①

Swimming Pools ②

Conductors are not permitted to pass over a swimming pool. Service drop conductors shall not be installed above swimming pools or surrounding area extending 10' horizontally from the pool edge or diving structures in areas governed by the municipal Electrical Code of Chicago (Section 680.9). In areas not governed by the Chicago Codes, conductors installed within 10' horizontally from the pool edge or diving platform must maintain basic vertical clearances as depicted in the following table. This rule does not apply to a pool fully enclosed by a solid or screened permanent structure. See table below for underground supply cable clearances to swimming pools.

Beaches and Waterways Restricted to Swimming

Where rescue poles are used by lifeguards at supervised swimming beaches, the required basic vertical and horizontal clearances shall be as shown on the following table. Where rescue poles are not used, the clearances shall be as specified for clearances above water surfaces suitable for sailboating, page 5.

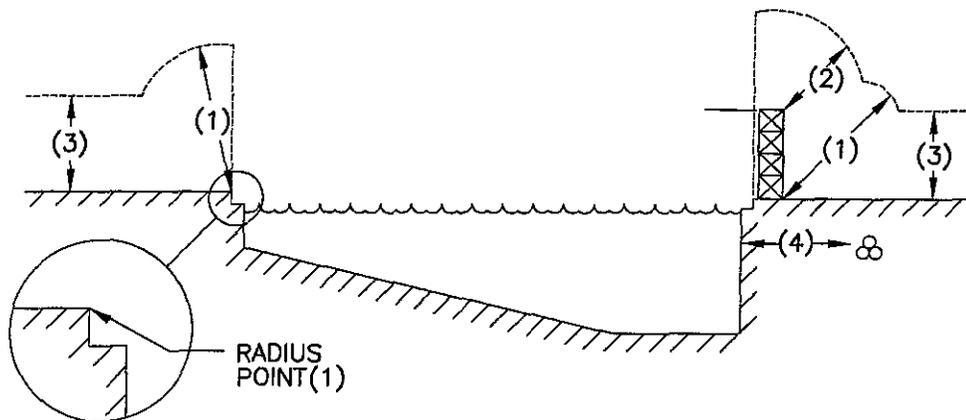
Waterways Subject to Water Skiing

The basic vertical clearance shall be as specified for clearances above water surfaces suitable for sailboating, page 5.

CLEARANCES TO SWIMMING AREAS	UNGUARDED RIGID LIVE PARTS, 0-750V; GUYS; NEUTRAL COND.; SECONDARY CABLE; AERIAL CABLE;	OPEN SUPPLY CONDUCTORS; SPACER CABLE		
		0-750V	750V-15KV	ALL 34.5KV
(1) CLEARANCE IN ANY DIRECTION FROM THE EDGE OF POOL, BASE OF DIVING PLATFORM, OR ANCHORED RAFT	22'-6"	23'-0"	25'-0"	25'-6"
(2) CLEARANCE IN ANY DIRECTION TO THE DIVING PLATFORM OR TOWER	14'-6"	15'-0"	17'-0"	17'-6"
(3) VERTICAL CLEARANCE OVER ADJACENT LAND	AS REQUIRED IN CLEARANCES ABOVE GROUND OR ROADWAYS, PAGE 4			
(4) UNDERGROUND DIRECT BURIED SUPPLY CABLE ③	5' HORIZONTALLY FROM SWIMMING POOL OR ITS AUXILIARY EQUIPMENT (REF. NESC 351C1)			

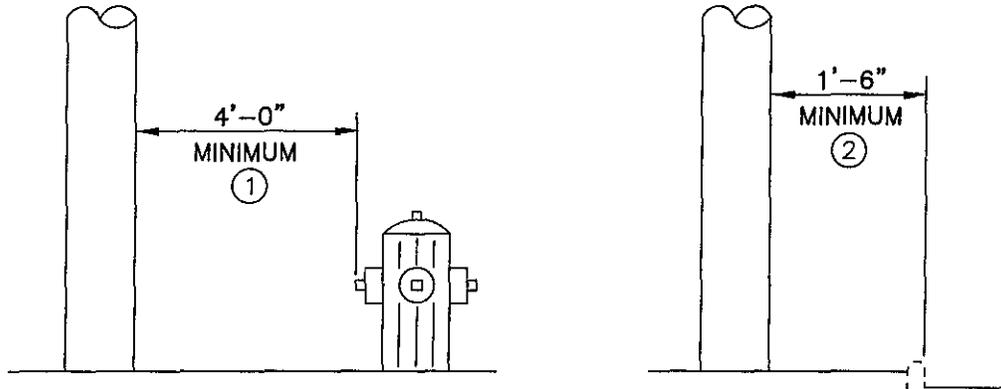
NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.
- ② Permanently installed swimming pools are those constructed in or partially in ground, and all others capable of holding water in a depth greater than 42 inches.
- ③ This rule does not apply to cable in conduit.



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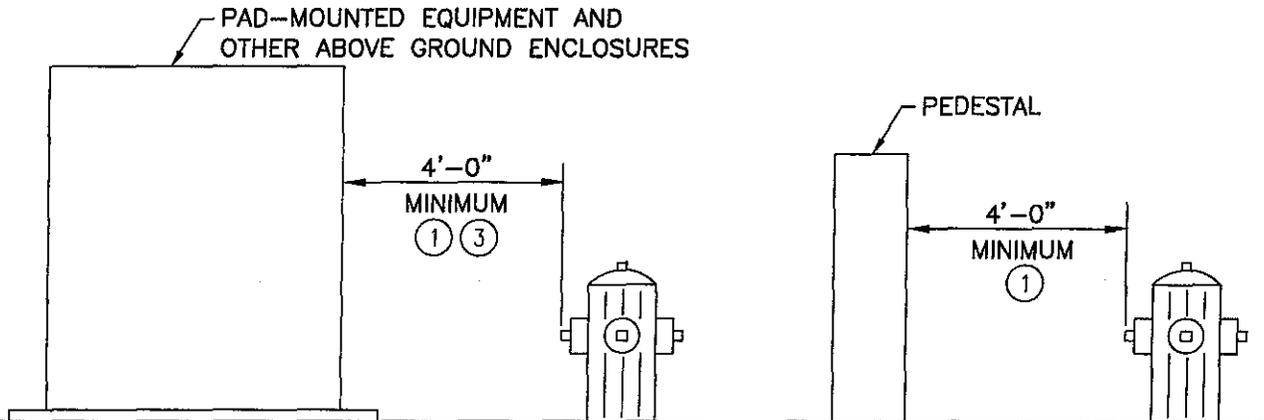
CLEARANCE FOR POLES TO FIRE HYDRANTS OR CURBED STREETS (REFERENCE NESC 231)



NOTES (applicable to this page only):

- ① This clearance applies to poles, structures, pad mounted equipment, pedestals, and other ground enclosures. Exception: Where conditions do not permit a clearance of 4 feet, a clearance of not less than 3 feet is allowed.
- ② The 1'-6" dimension is a requirement by the Illinois Department of Transportation (IDOT) "Accommodation of Utilities on Right-of-way of the Illinois State Highway System." For locations that are not required to follow the IDOT Accommodation Policy, the NESC clearance requirement is 6".

CLEARANCE FOR PAD-MOUNTED EQUIPMENT AND OTHER ABOVE GROUND ENCLOSURES OR PEDESTALS TO FIRE HYDRANTS (REFERENCE NESC 380)



- ③ Maintain minimum clearances to the front of pad-mounted equipment and other above ground enclosures to permit the use of tools for operating.

CLEARANCE FOR DIRECT BURIED CABLE

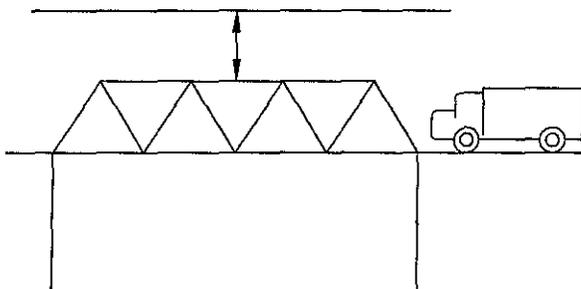
- 1. Radial separation of direct buried cable of all voltages from steam lines, (natural) gas, and other fuel lines shall not be less than 12". (NESC 354.A.2)
- Note: This rule also applies to cables installed in duct that is not part of a conduit system. (NESC 350.H)

CLEARANCE FOR CONDUCTORS AND RIGID LIVE PARTS FROM BRIDGES (REFERENCE NESC 234D) ①

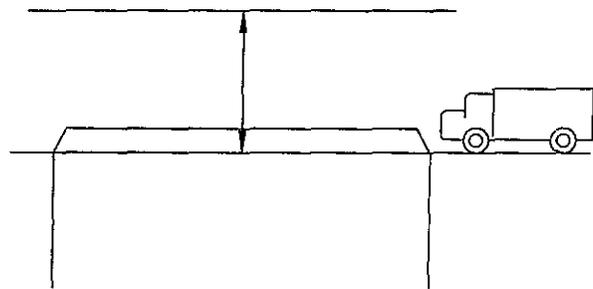
CLEARANCES TO BRIDGES		UNGUARDED RIGID LIVE PARTS, 0-750V; GUYS; NEUTRAL CONDUCTORS; SECONDARY CABLE; AERIAL CABLE	OPEN SUPPLY CONDUCTORS; SPACER CABLE			UNGUARDED RIGID LIVE PARTS		
			0-750V	750V TO 15kV	ALL 34.5kV	750V TO 15kV	ALL 34.5kV	
OVER BRIDGES	ATTACHED ③	3'-0"	3'-6"	5'-6"	6'-0"	5'-0"	5'-6"	
	NOT ATTACHED	10'-0"	10'-6"	12'-6"	13'-0"	12'-0"	12'-6"	
BESIDE, UNDER, OR WITHIN BRIDGE STRUCTURE ④	READILY ACCESSIBLE PORTIONS	ATTACHED ③	3'-0"	3'-6"	5'-6"	6'-0"	5'-0"	5'-6"
		NOT ATTACHED	5'-0"	5'-6" ⑤	7'-6" ⑤	8'-0"	7'-0"	7'-6"
	INACCESSIBLE PORTIONS ②	ATTACHED ③	3'-0"	3'-6"	5'-6"	6'-0"	5'-0"	5'-6"
		NOT ATTACHED	4'-0"	4'-6" ⑤	6'-6" ⑤	7'-0"	6'-0"	6'-6"

NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.
- ② Bridge seats of steel bridges carried on masonry, brick, or concrete abutments which require frequent access for inspection shall be considered as readily accessible portions.
- ③ Clearance from supply conductors to supporting arms and brackets attached to bridges shall be the same as specified in NESC Table 235-6, if the supporting brackets are owned, operated, or maintained by the same utility.
- ④ Where the bridge has moving parts, the required clearance shall be maintained throughout the movement of the bridge or any attachment.
- ⑤ Clearances shown are for conductors at rest (no wind displacement). When the conductor is displaced by wind, it cannot come closer than 3'-6" for open supply conductors 0-750V, 4'-6" for open supply conductors 750V-15kV, and 5'-0" for open supply conductors 15kV-34kV (see note 2, page 10).



CLEARANCES FOR CONDUCTORS FROM BRIDGES APPLY TO THIS INSTALLATION



CLEARANCES FOR CONDUCTORS ABOVE GROUND OR ROADWAYS APPLY TO THIS INSTALLATION

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CLEARANCES FOR CONDUCTORS AND RIGID LIVE PARTS FROM GRAIN BINS (REFERENCE NESC 234F) ①

Grain bins loaded by permanently installed augers, conveyers, or elevator systems:
 All portions of grain bins may be considered as a building or other installation under the section on clearances to buildings, page 8, except that a clearance of 18'-0" in all directions shall be maintained to any part of the probe port. A horizontal clearance of not less than 15'-0" shall be maintained between grain bins and open supply conductors, 0-22 kV. (NESC 234F1)

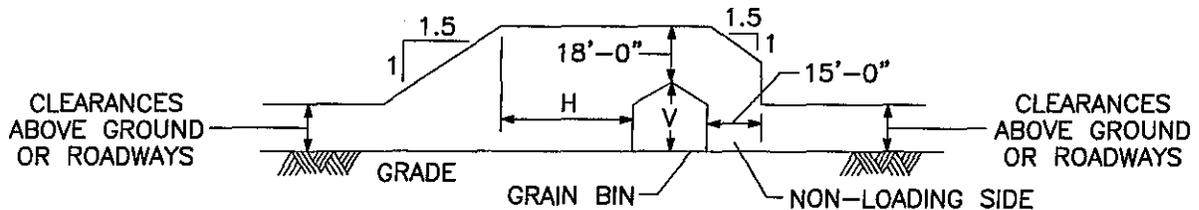
Grain bins loaded by portable augers, conveyers, or elevators:
 The basic clearance shall be as illustrated in the following figure. The categories listed below are exceptions to this rule and the basic clearances shall be as required by the section on clearances to buildings, page 8: (NESC 234F2a)

- a. Support arms; effectively grounded equipment cases.
- b. Messengers, surge protection wires, grounded guys, and neutral conductors.
- c. 3/C or 4/C service drop or secondary cable or aerial cable.

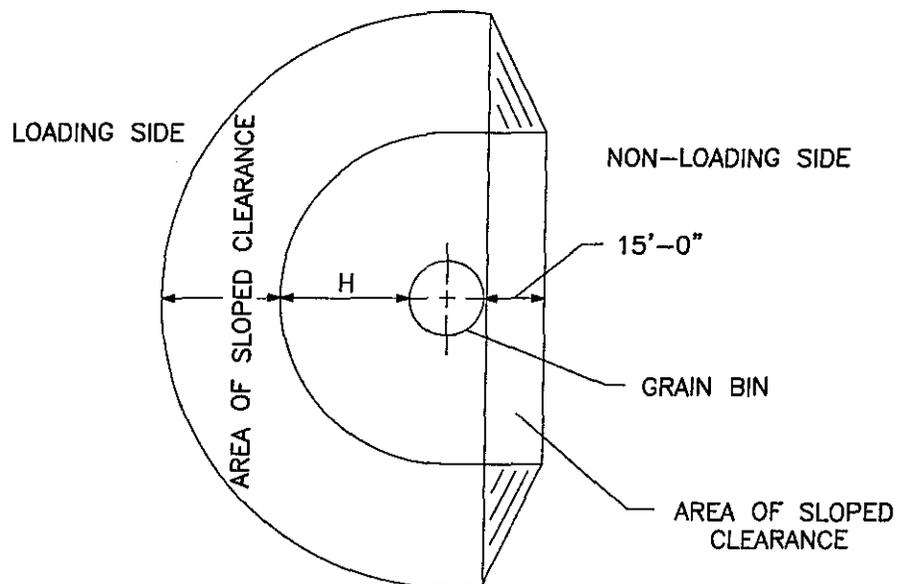
Any side of a grain bin is considered to be a non-loading side if it is designated as such or if space limitations would not allow a portable auger, conveyor, or elevator to be used over that side to fill the grain bin. (NESC 234F2b)

NOTES (applicable to this page only):

- ① For sag conditions see General Notes, page 3.



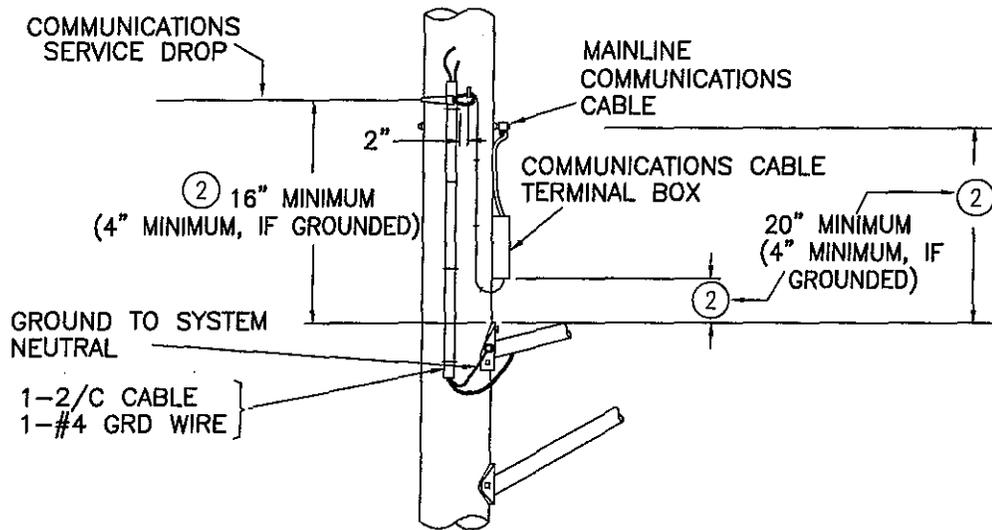
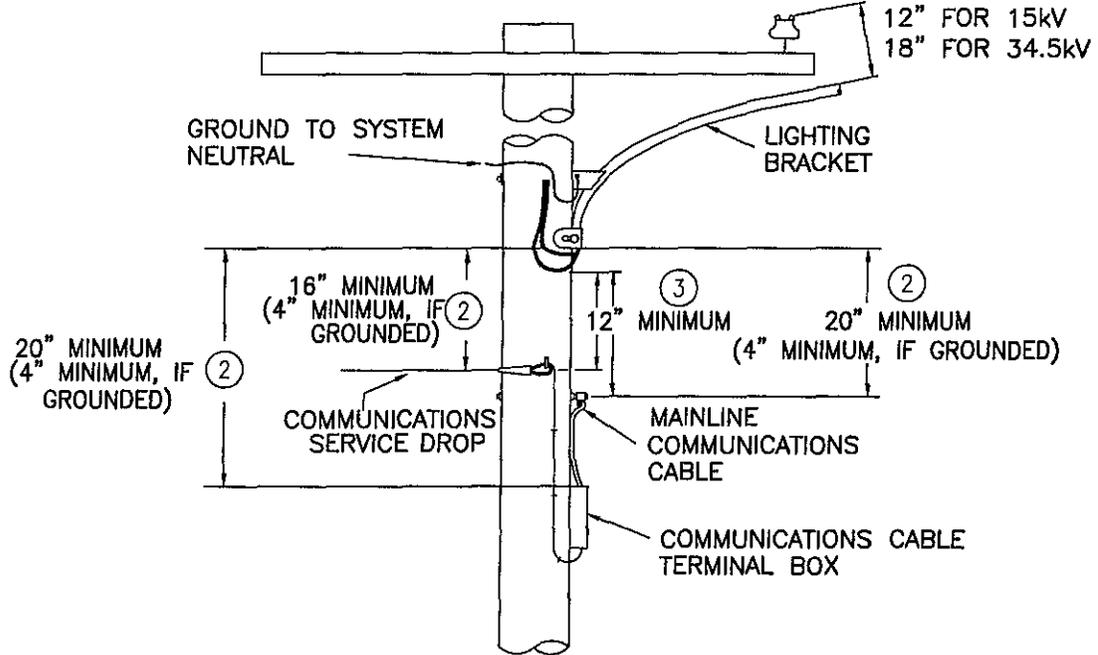
V = HEIGHT OF HIGHEST FILLING OR PROBING PORT ON GRAIN BIN
 H = V + 18 FT.



ACAD

STREET LIGHT CLEARANCES

COMMUNICATION EQUIPMENT WORK CLEARANCES (REFERENCE NESC 238C, 238D, AND TABLE 235-1)

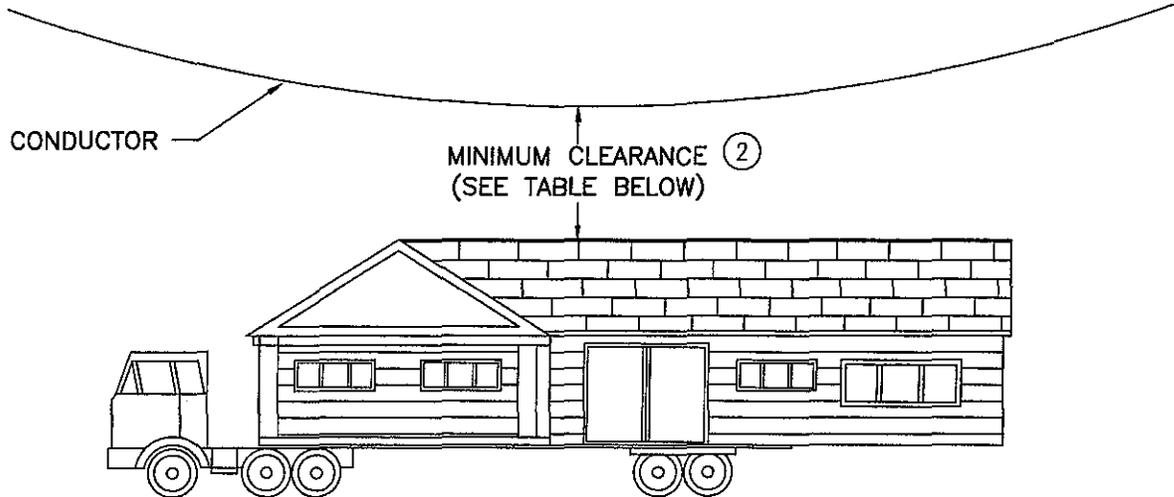


NOTES (applicable to this page only):

- 1 ALL CLEARANCES SHALL BE MET. FOR EXAMPLE, MEETING THE 16" MINIMUM CLEARANCE TO A COMMUNICATIONS SERVICE DROP DOES NOT AUTOMATICALLY MEET THE REQUIRED 20" MINIMUM CLEARANCE TO A MAINLINE COMMUNICATION CABLE.
- 2 VERTICAL CLEARANCES SHOWN ARE REQUIRED BY NATIONAL ELECTRIC SAFETY CODE, REFERENCE RULE 238-C, WHEN ComEd BRACKET IS NOT GROUNDED.
- 3 DRIP LOOPS OF CONDUCTORS ENTERING STREET LIGHT BRACKETS FROM THE SURFACE OF THE POLE SHALL BE AT LEAST 12 INCHES ABOVE COMMUNICATION CABLES OR THRU BOLTS. REFERENCE: RULE 238-D.

ACAD

CLEARANCE FOR CONDUCTORS AND RIGID LIVE PARTS FROM OVERHEIGHT VEHICLES INCLUDING HOUSE MOVING



CATEGORY		MINIMUM CLEARANCE REQUIRED ABOVE EQUIPMENT AND TRANSPORTED STRUCTURE ①
NEUTRAL COND.; GUY; SECONDARY CABLE; AERIAL CABLE		2'-0"
OPEN SUPPLY CONDUCTORS; SPACER CABLE	0-750V	2'-6"
	750V-34.5kV	4'-6"
UNGUARDED RIGID LIVE PARTS	0-750V	2'-0"
	750V-34.5kV	4'-0"

NOTES (applicable to this page only):

- ① These clearances apply to equipment and transported structures only.
- ② Clearance shall be from the highest point on the vehicle or structure being moved to the lowest point of the conductor overhead. (Use the maximum sag shown in the SAG tables.)