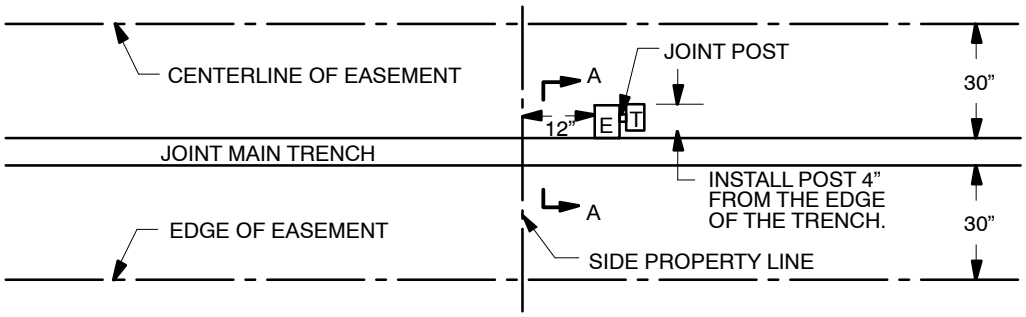
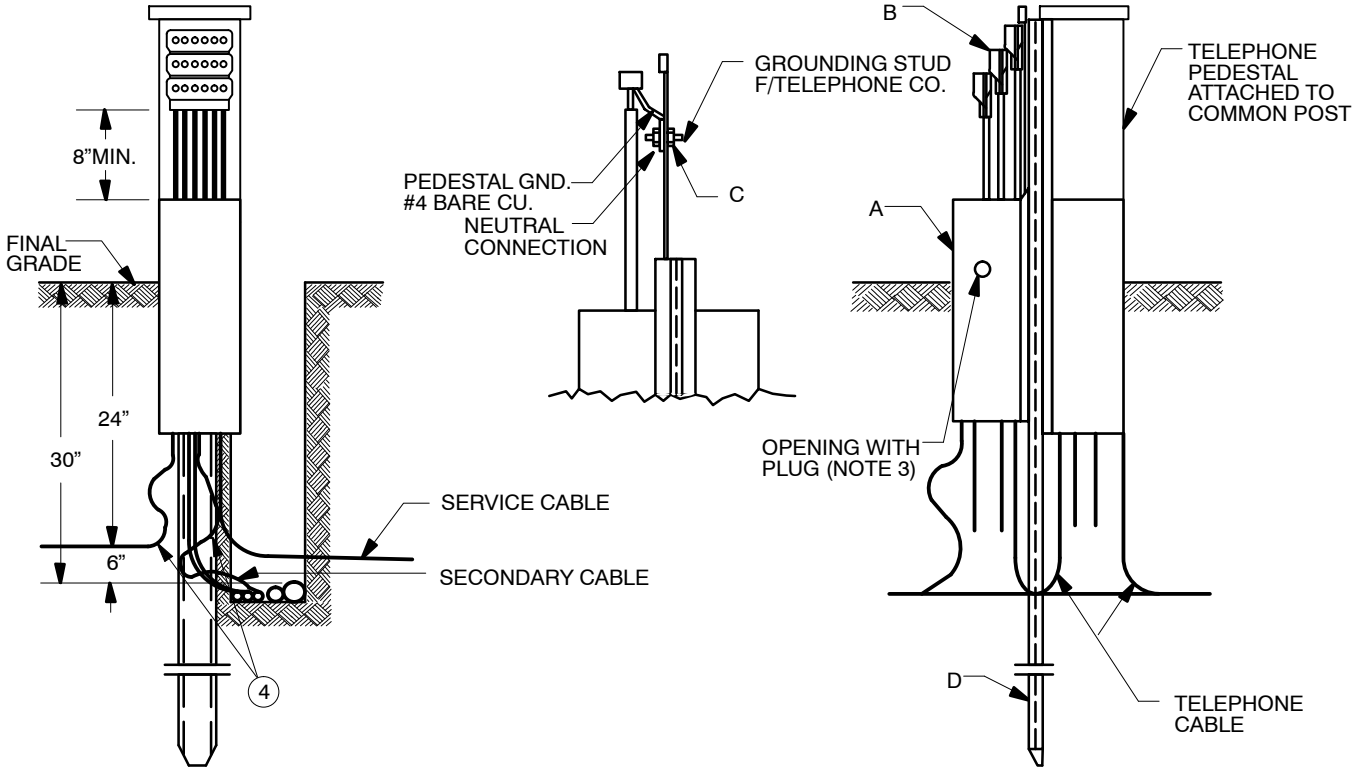
AMEREN ILLINOIS **AMEREN ILLINOIS** **AMEREN ILLINOIS**

RANDOM LAY OR NON–JOINT CONSTRUCTION





SECTION A–A

NOTES:

1. Upper portion of post shall be 22" above final grade.
2. Flexible conduit (12 51 238) shall be placed on all secondary and service cables as thay are installed. Conduit to extend three feet beyond pedestal.
3. This temporary entrance is to be used to restore service or when ground conditions prevent trenching. Leave plug inside pedestal when removed.
4. Install secondary and service conductors with "S" curve slack to allow for settling

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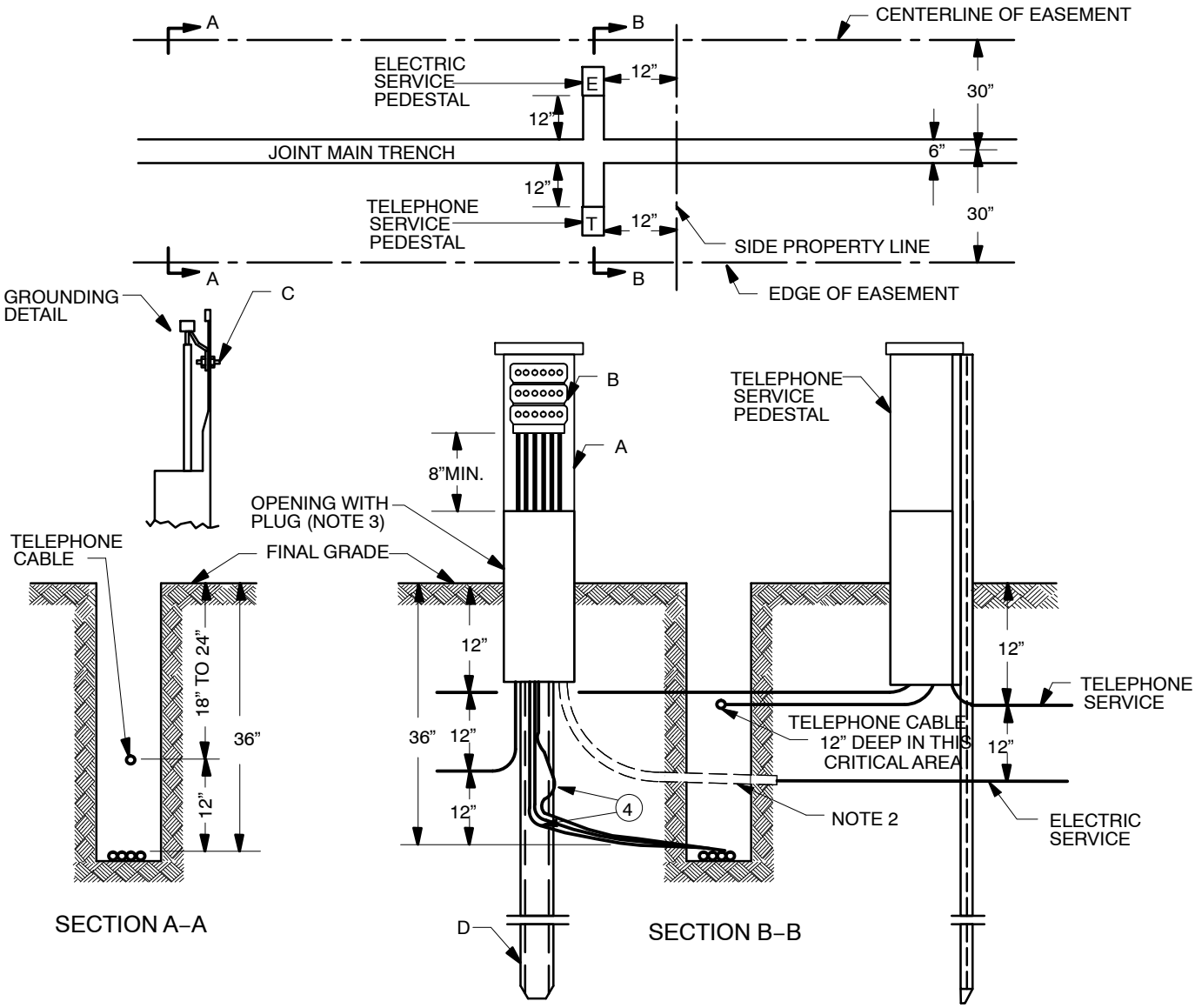
JOINT CONSTRUCTION WITH A 12” FIXED SEPARATION



NOTES ON PREVIOUS PAGE

	Stk. No.	Description 52 11 03 00	
A	12 05 052	Pedestal – Above Ground – Steel	1
B	17 64 218	Conn – Ped, 6C, 6–500 kcmil, Insulated	3
C	17 64 208	Conn – Post Type, 3/8”, #2 AWG.	1
D	12 55 035	Post – Ped, 6’, Stl.	1

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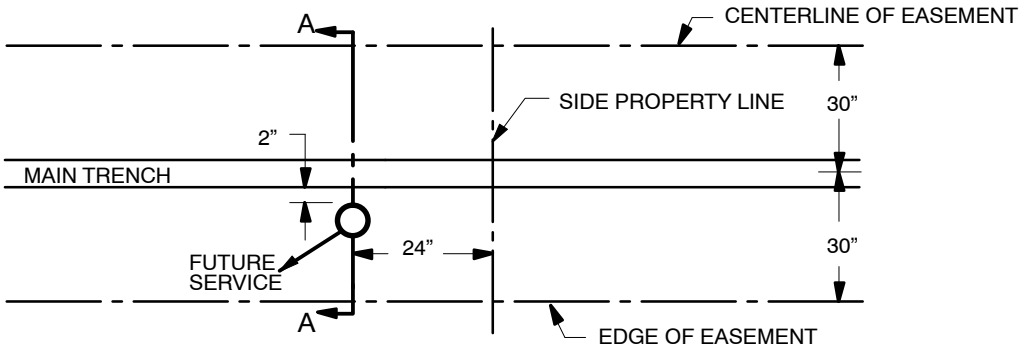
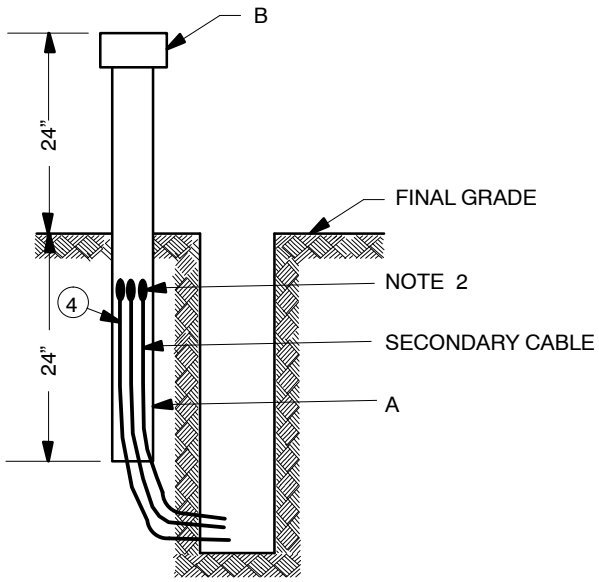




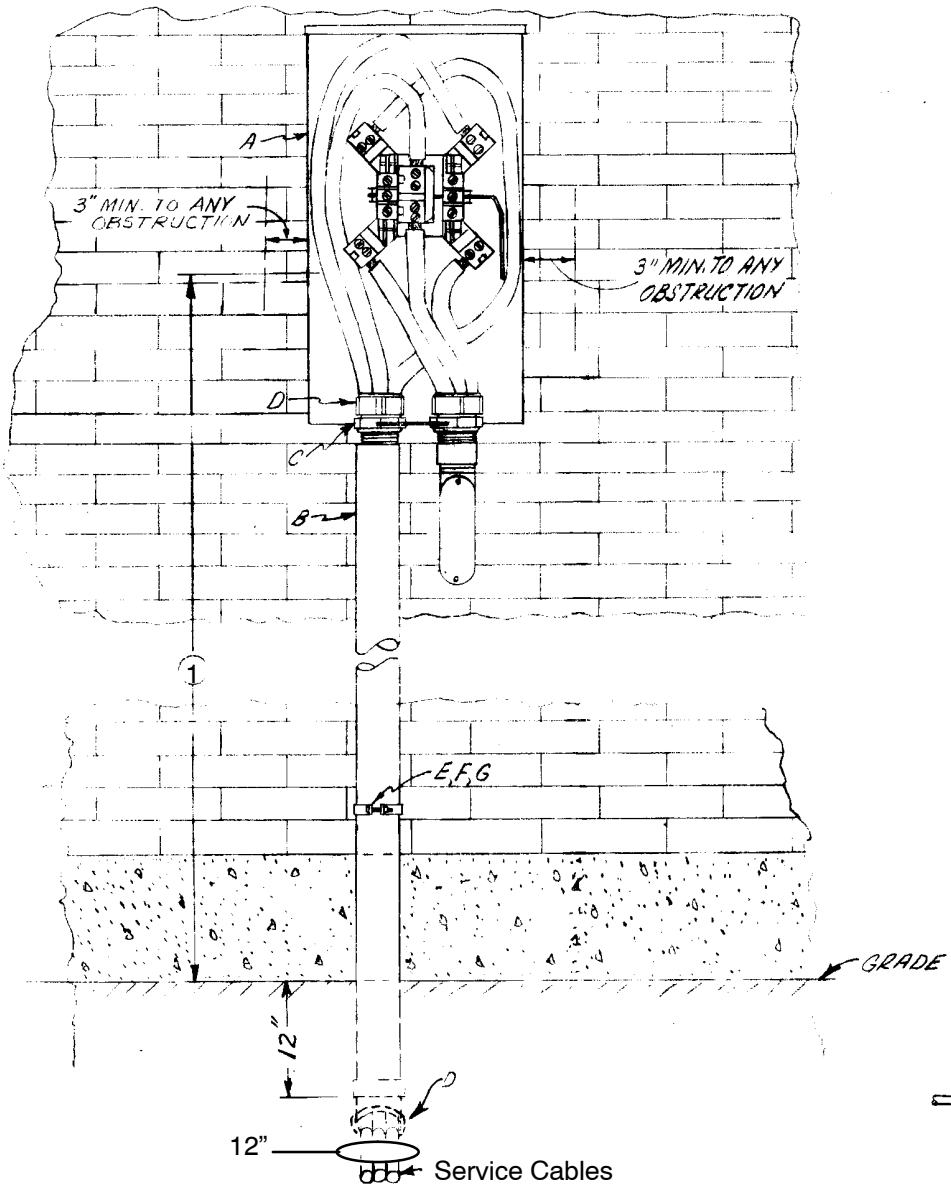
SECTION A–A
CONDUIT PEDESTAL

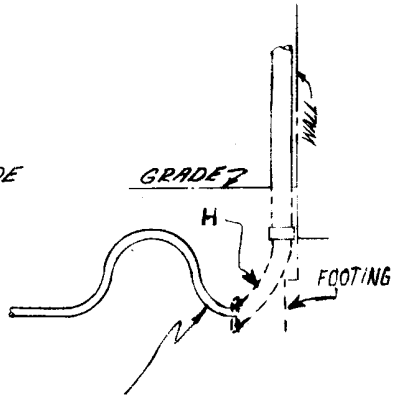
NOTES

1. Install conduit pedestal on the side of the trench that is adjacent to future service. Pedestal to be made of 3" plastic conduit with an end cap.
2. Seal the ends of the secondary cable with plastic tape and cover with "Scotchkote".
3. When the future service is to be installed, removed the temporary pedestal and make a direct buried splice.
4. Install cable identifier.

		Stk. No.	Description 52 11 04 00	
	A	12 01 279	Conduit – 3", Sch. 40, 10" Length	1
	B	12 51 312	Cap – 3", Conduit End	1

DIRECT BURIED SERVICE





NOTE: Loop indicate slack in the cables, allowing for settlement.

NOTES:

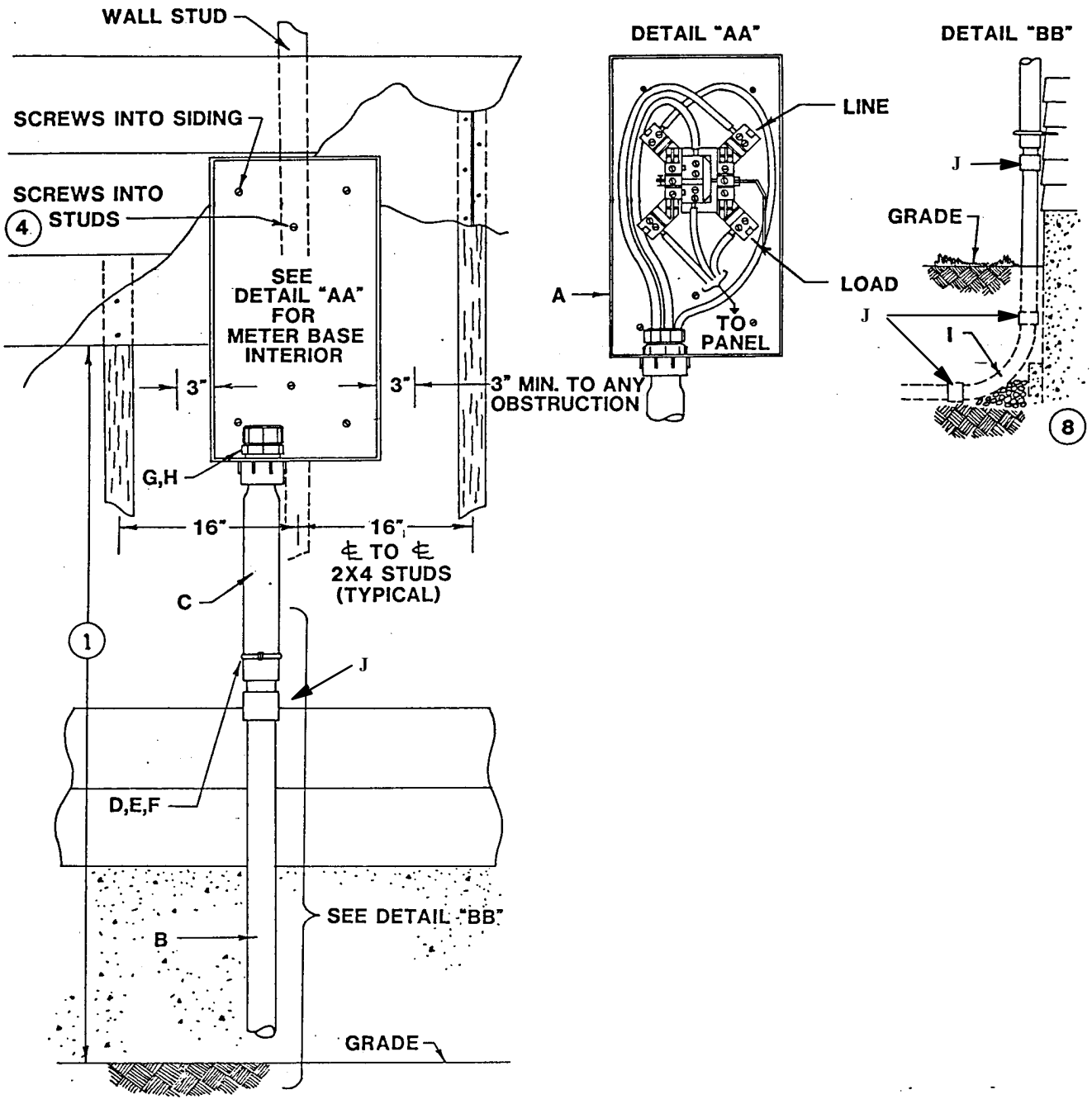
1. See Page D–4 of the Service Manual for mounting height.
2. All materials except supply cables shall be furnished, installed and connected by customer.
3. Service cable shall have a minimum of 24" of cover. See National Electric Code Article 300, Part A, Section 5.

DIRECT BURIED SERVICE

	MATERIAL FURNISHED, INSTALLED, AND OWNED BY CUSTOMER	0 – 200 Amp	201 Thru 400 Amp
A	Socket, Meter, 200 Amp, I.D. 228	1	1
	Socket Meter, 400 Amp, (Class 320), I.D. 235		1
B	Conduit, Sch. 40, PVC, 2–1/2”	*	
	Conduit, Sch. 40, PVC, 3”		*
C	Nut, Lock, 2–1/2”	1	
	Nut, Lock, 3”		1
D	Bushing, Conduit, 2–1/2”	1	
	Bushing, Conduit, 3”		1
E	Hanger, Conduit	*	*
F	Screw, Lag	*	*
G	Shield, Expansion	*	*
H	Bend, Conduit, 2–1/2”, 45^{o}	1	
	Bend, Conduit, 3”, 45^{o}		1

* As Required

CONDUIT SERVICE



NOTES:

1. See page D–4 of the Service Manual for mounting height.
2. All materials except the supply cables shall be furnished, installed and connected by customer.
3. Where subject to mechanical damage provide protection.
4. To properly secure the meter socket, use #14 x 3” wood screws. In brick, use expansion shields and lag screws.
5. See 59 81 40 40 2 of 2 for additional serv. cond. instructions and materials.
6. The conduit hanger shall be secured by a lag screw into the floor joist. If attached to the foundation a lead expan-sion shield shall be used. An alternateive to the expansion shield is a stud shot into the foundation.

CONDUIT SERVICE

7. When backfilled, expansion coupling "C" shall be fully closed.
8. The area underneath the bend shall consist of good quality fill material and dirt free of debris. The area shall be compacted to a density in excess of 90% of the soil density outside the disturbed area around the foundation wall. Acceptable fill materials: Sand, limestone screenings, concrete slurry, concrete.
9. See 59 81 40 41 for additional service conduit instructions and materials.

	MATERIAL FURNISHED AND INSTALLED BY CUSTOMER	0 to 200 Amp	201 to 400 Amp
A	Socket, Meter 200 Amp, I.D. 228	1	
	Socket, Meter 400 Amp (Class 320), I.D. 235		1
B	Conduit, Schedule 40, PVC, 2–1/2"	As Req'd	As Req'd
	Conduit, Schedule 40, PVC, 3"		
C	Coupling–Conduit, Expansion Sch 40, 2–1/2", PVC, (Allows 8" tall)	1	
	Coupling–Conduit, Expansion Sch 40, 3", PVC, (Allows 8" tall)		1
D	Hanger, Conduit	1	1
E	Screw, Lag		
F	Shield, Expansion		
G	Nut, Lock, 2–1/2"	1	
	Nut, Lock, 3"		1
H	Bushing – Conduit 2–1/2"	1	
	Bushing – Conduit, 3"		1
I	Bend – Conduit, Sch 40 PVC 2–1/2" 90, 24" Radius	*	
	Bend – Conduit, Sch 40 PVC 3" 90, 36" Radius		*
J	Coupling – Conduit, Sch 40 PVC 2–1/2"	1	
	Coupling – Conduit, Sch 40 PVC, 3"		1

* Minimum radius, 24" for 2–1/2" conduits and 36" for 3" conduits.

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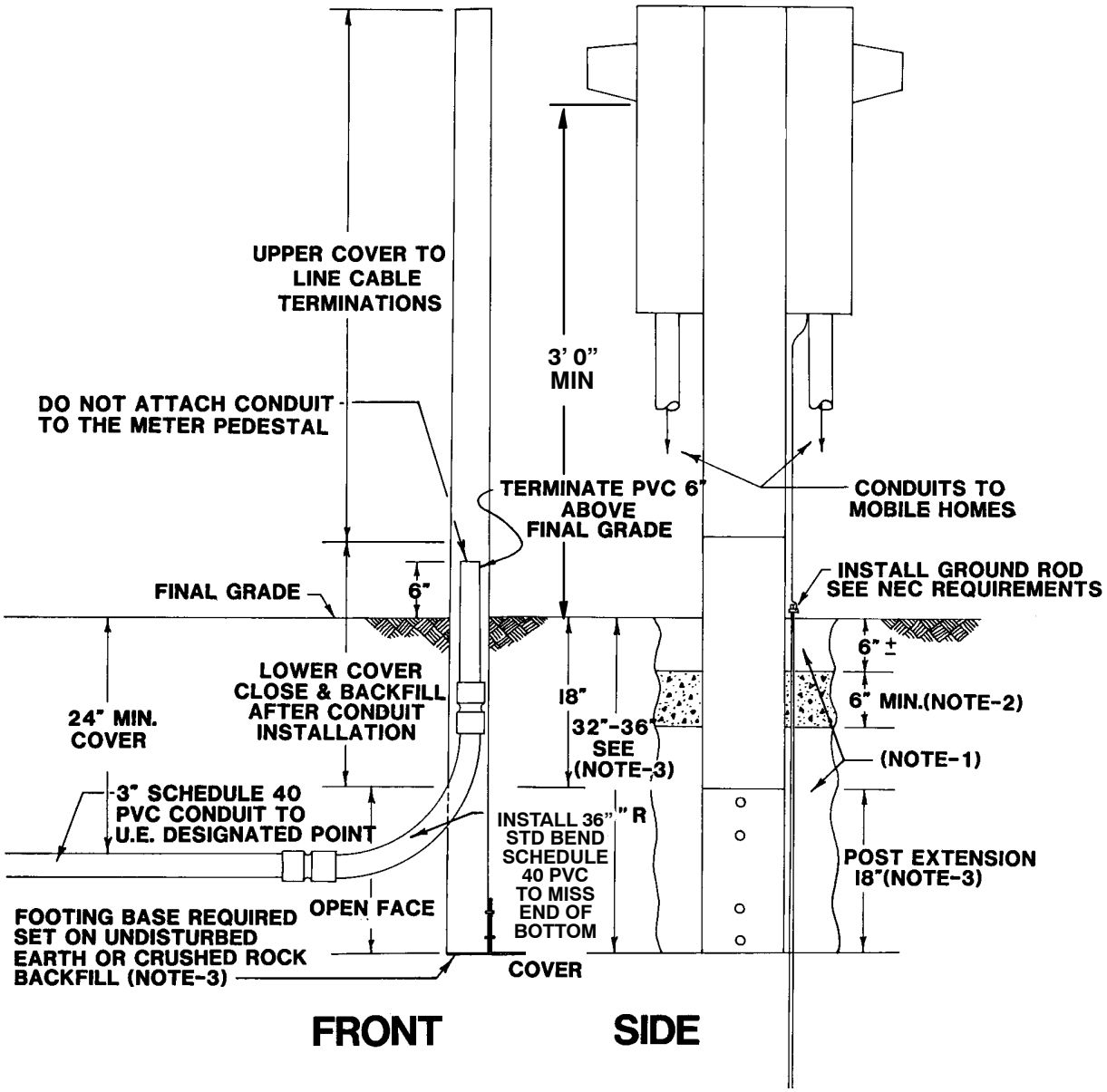
REQUIREMENTS:

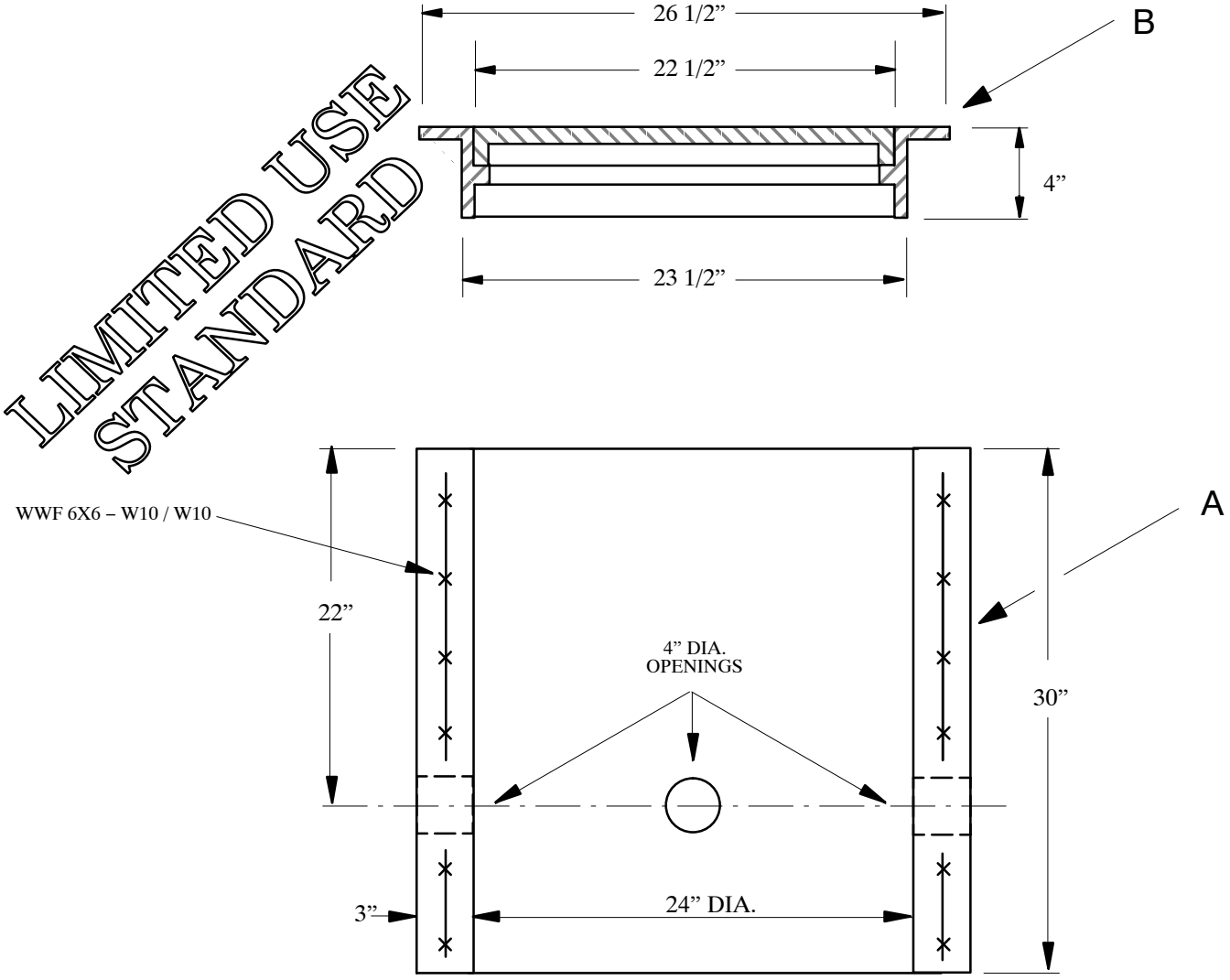
All materials except supply cables shall be furnished and installed by customer.

Pedestals shall be labeled for service equipment by U.L. and approved by Ameren Missouri.



NOTES:

1. Backfill with tamped crushed rock screening including entire conduit elbow.
2. Place concrete collar 6" thick, min., 6" below grade to firm earth as shown.
3. 32" to 36" pedestal embedment required. Order post extention and footing base with meter post as shown.
4. Owner shall be responsible to see that pedestal is firmly embedded in ground, and plumb to within 1" in 12" vertical.
5. Conduit shown 3" for dual pedestal, use 2–1/2" conduit and 24" radius bend for single pedestal.



		Stnd. / Stk. No.	Description	Qty.
	A	12 06 027	Handhole 24” Round (Concrete)	1
	B	12 06 045	Cover, 24” Round with Frame (Cast Iron)	1
		MEXC	Excavation (C.X.)	1
		MBF	Backfill	1
		ATMP	Tamping	3
@	C		Surface Removal (S.F.)	7
@	D		Surface Replacement (S.F.)	7
@	E	98 00 014	Crushed Rock c.y.	As Req’d