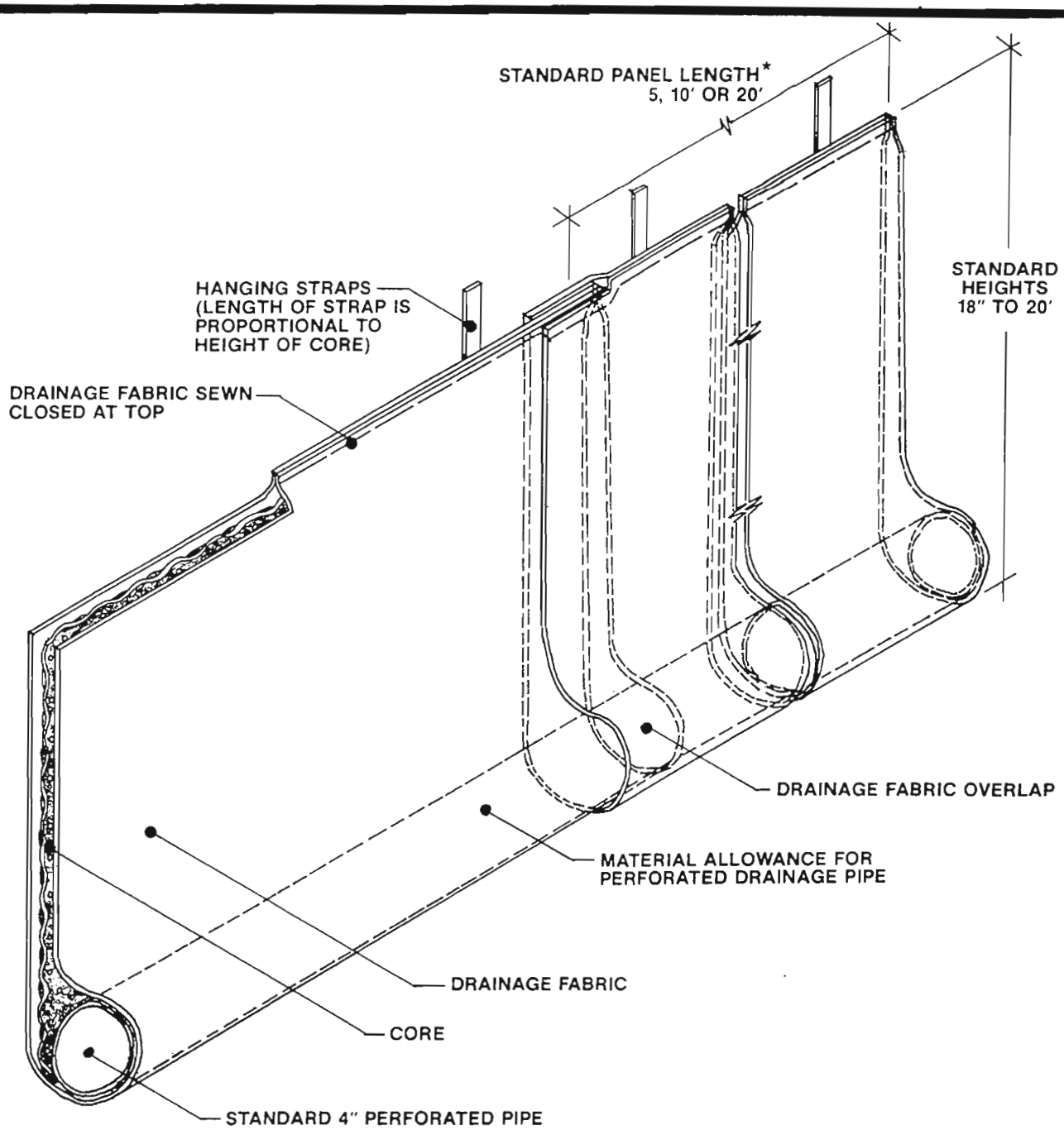
ELJEN SUBSURFACE INTERCEPTOR DRAINS

SERIES EL00500

PREFABRICATED ROCKLESS DRAINAGE SYSTEM: COMPLETE DOUBLE-SIDED SINGLE CORE, HANGING STRAPS, MATERIAL ALLOWANCE FOR 4" SEWER AND DRAIN PIPE, DRAINAGE FABRIC OVERLAPS FOR CONNECTION.



ORDER NUMBER	HEIGHT	LENGTH
EL00501.5	18" X	10'
EL00502	2' X	20'
EL00504	4' X	10'
EL00505	5' X	10'
EL00506	6' X	5'
EL00508	8' X	5'

ORDER NUMBER	HEIGHT	LENGTH
EL00510	10' X	5'
EL00512	12' X	5'
EL00514	14' X	5'
EL00516	16' X	5'
EL00518	18' X	5'
EL00520	20' X	5'

*SPECIAL SIZES AVAILABLE

NOTE: PANELS SLIDE TOGETHER FOR EASE OF INSTALLATION.

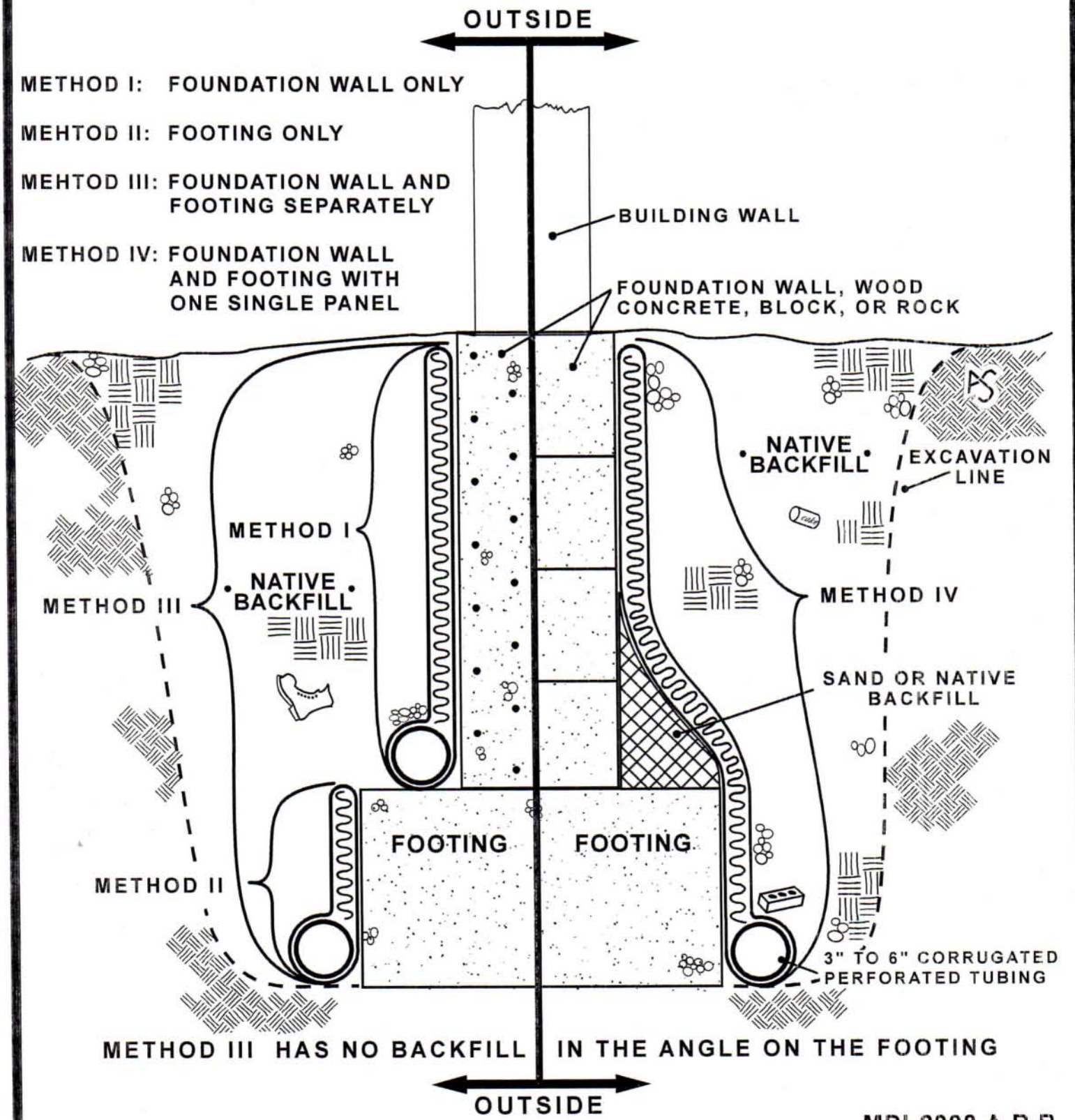
PATENTED

ELJEN SUBSURFACE ROCKLESS COMPOSITE DRAINAGE SYSTEMS - 18" THRU 60" HIGH PANELS

FOUNDATION DRAINS SERIES EL00500

PANELS PROVIDED WITH OVERLAP FLAPS FOR CONNECTION, HANGING STRAPS FOR INSTALLATION, TUBING ALLOWANCE AND ELJENS TRUE DRAINAGE FABRIC

FOUR TYPICAL ELJEN FOUNDATION DRAIN METHODS:



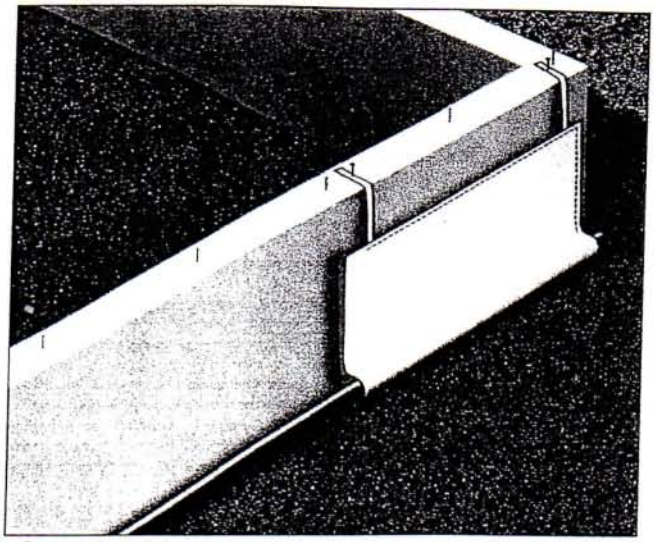
MDI-2008 A.R.R.

HANGING STRAPS OF ANY REASONABLE SIZE MAY BE SPECIFIED.
TUBING ALLOWANCES 3" THRU 48"- THREE (3) CORE SIZES AVAILABLE

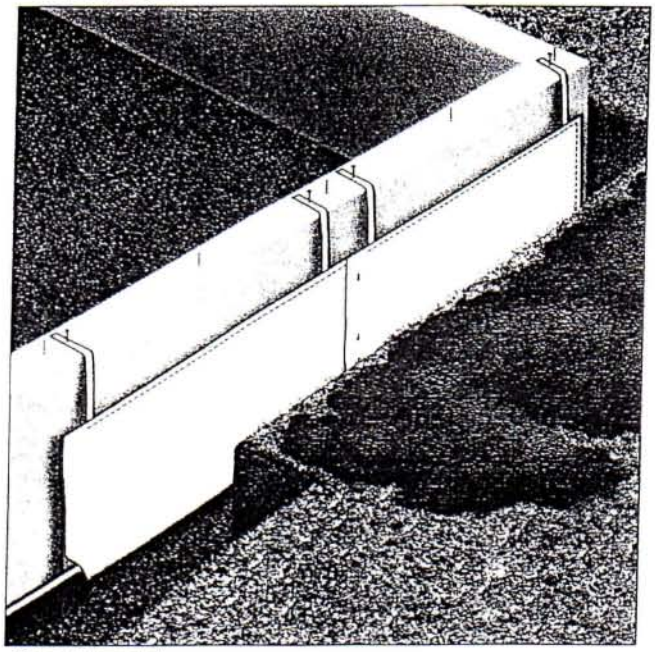
Prefabricated Drainage Systems from Eljen

Instructions for Retaining Wall & Foundation Installations

1. Place the first panel against the wall with the open end (the end with the flaps) pointed in the direction from which additional panels will be added.
2. Nail or tie the straps to the top of the wall to support the panel.
3. Roll out corrugated, perforated drainage pipe along the length of the wall.
4. Insert the pipe into the bottom of the flap end of the panel, on the outside of the plastic core, and push it though the panel to the far end.
5. Insert the free end of the pipe into the slit (at the bottom of the sewn end) of the next panel, position it on the outside of the plastic core, and slide the panel along the pipe.
6. Position the leading end of the second panel inside the flaps of the first panel so that it butts the plastic core of the first panel.
7. **Note: It is very important that there is a slight pitch to the pipe in the direction(s) that the water is to drain.**
8. Nail or tie the straps of the second panel to the top of the wall to support the panel.
9. Use the supplied safety pins to join the two panels in four places where they overlap: Top, middle, bottom and just above the pipe.
10. Continue as above with additional panels.
11. If water is to be drained from only one end of the wall, attach an appropriate length of *non-perforated* pipe to the drain end. The non-draining end should be capped to prevent soil from entering system.
12. **Make sure that the pipe is positioned next to the core on the side *away* from the wall.**
13. Backfill the excavated material against the completed system. If the fill has stones over 2" in it, you should protect the drainage system from damage by leaning sheets of 1/2" plywood next to the system. After each load of fill has been deposited and tamped, shake the plywood loose and raise it to the new level of the fill before adding the next load. Cover panels completely.
14. Cut off the hanging straps. None of the system should now still be visible.
15. Contact your sales representative if adapters are needed.



Steps 1 through 4



Steps 5 through 9

eljen CORPORATION

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1600 W. 13th Avenue
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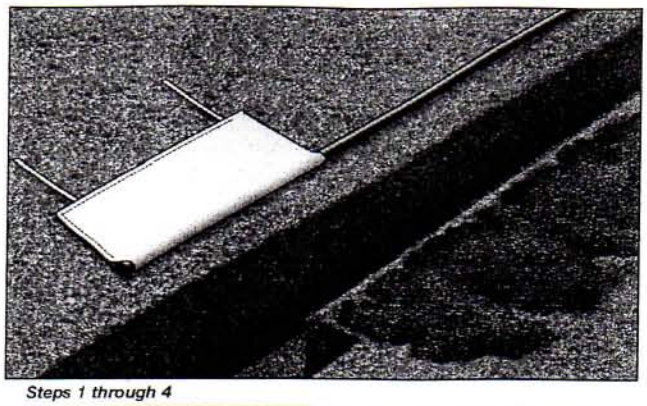
303-595-8722 Fax 303-893-9161

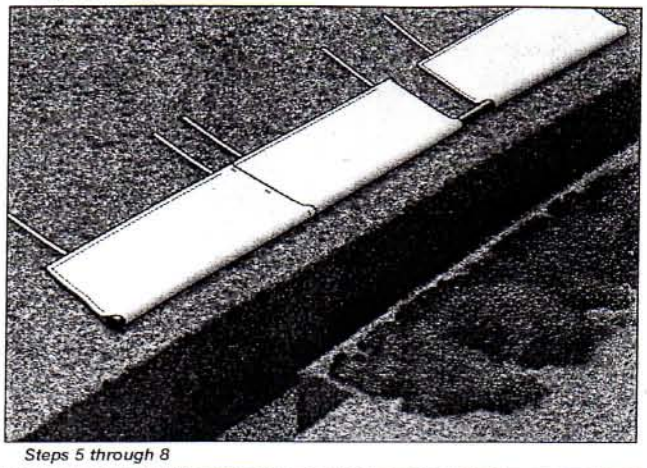
Prefabricated Drainage Systems from Eljen

Instructions for Trench or Berm Installations

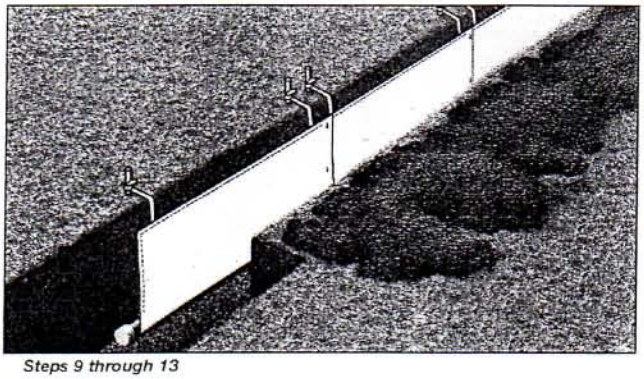
1. Check trench grade to make sure the trench is sloping to one or more low points for water drainage. Start excavation at the high end. Pile excavated soil on the downhill side of trench.
2. Lay the first panel on the ground on the uphill side of the trench, at one end of the installation area, and with the open end (the end with the flaps) pointed in the direction from which additional panels will be added.
3. Roll out corrugated, perforated pipe on uphill side.
4. Insert the end of the pipe into the open-flap end of the first panel, on top of the plastic core, and push it though the full length of the panel.
5. Insert the free end of the pipe into the slit (at the sewn end) of the next panel, position it on top of the plastic core, and slide the panel along the pipe.
6. Position the leading end of the second panel inside the flaps of the first panel so that it butts the plastic core in the first panel.
7. Use supplied safety pins to join the two panels in three places where they overlap: Top, middle, and bottom.
8. Continue as above with additional panels.
9. If water is to be drained from only one end of the system, the non-draining end should be capped to prevent soil from entering the system.
10. Tie the end of each strap to a loose stake.
11. Carefully lower the completed system into the trench. For larger systems it's often easier, safer and quicker to loop several ropes around the system while it's still laying on the ground and have several people lower the system into the trench.
12. Extend the straps up out of the trench and knock the stakes into the ground, on the uphill side, so that the plastic cores inside the supported system just touch the bottom of the trench.
13. **Make sure that the pipe is positioned next to the core on the *uphill* side of the trench.**
14. Backfill the excavated soil against the completed system. If the fill has stones over 2" in it, you should protect the drainage system from damage by leaning sheets of 1/2" plywood next to the system. After each load of fill has been deposited and tamped, shake the plywood loose and raise it to the new level of the fill before adding the next load. Cover panels completely.
15. Cut off the hanging straps. None of the system should now still be visible.
16. Contact your sales representative if adapters are needed or if the installation is over 150 feet long.



Steps 1 through 4



Steps 5 through 8



Steps 9 through 13

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