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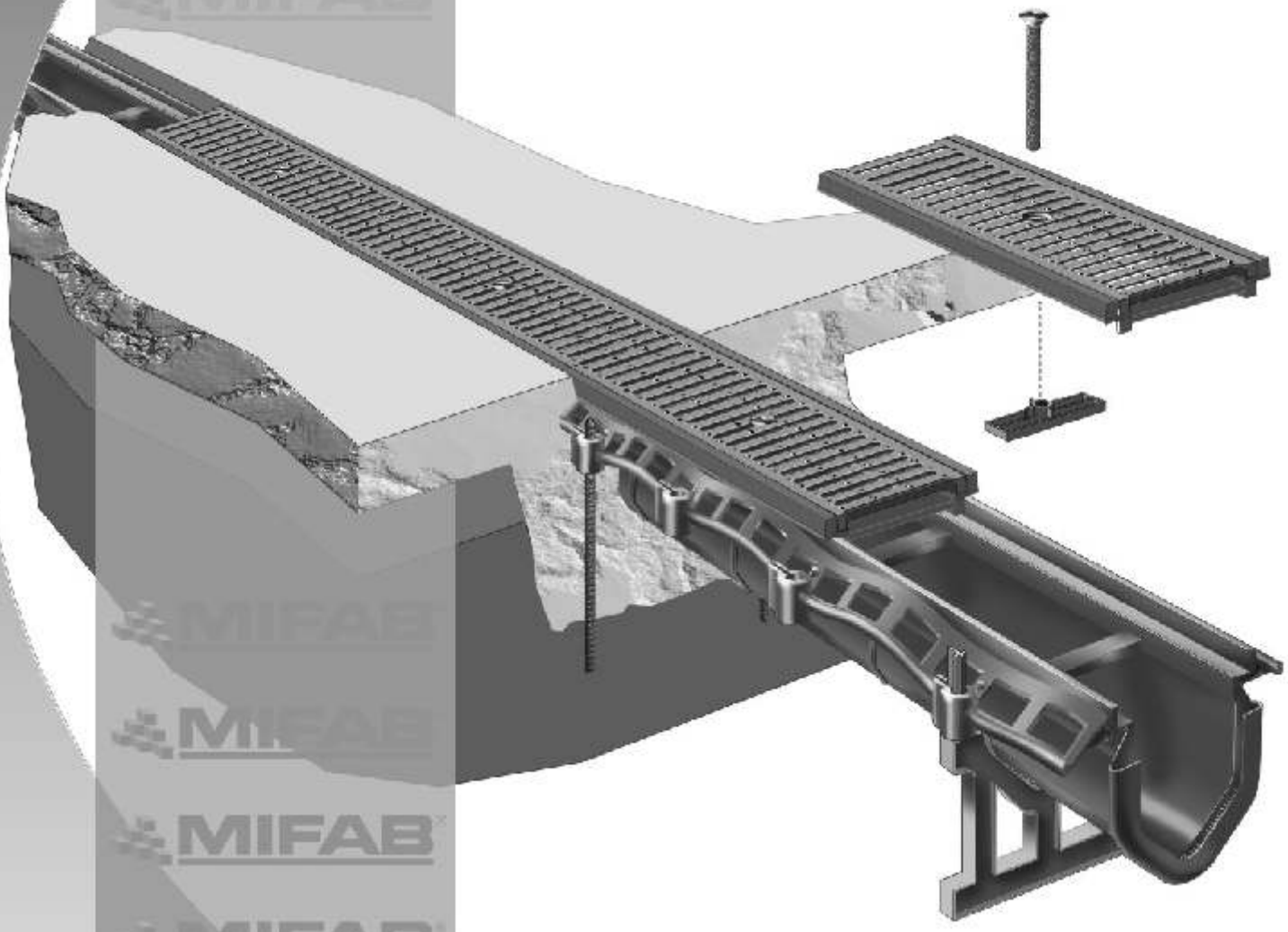
INSTALLATION INSTRUCTIONS



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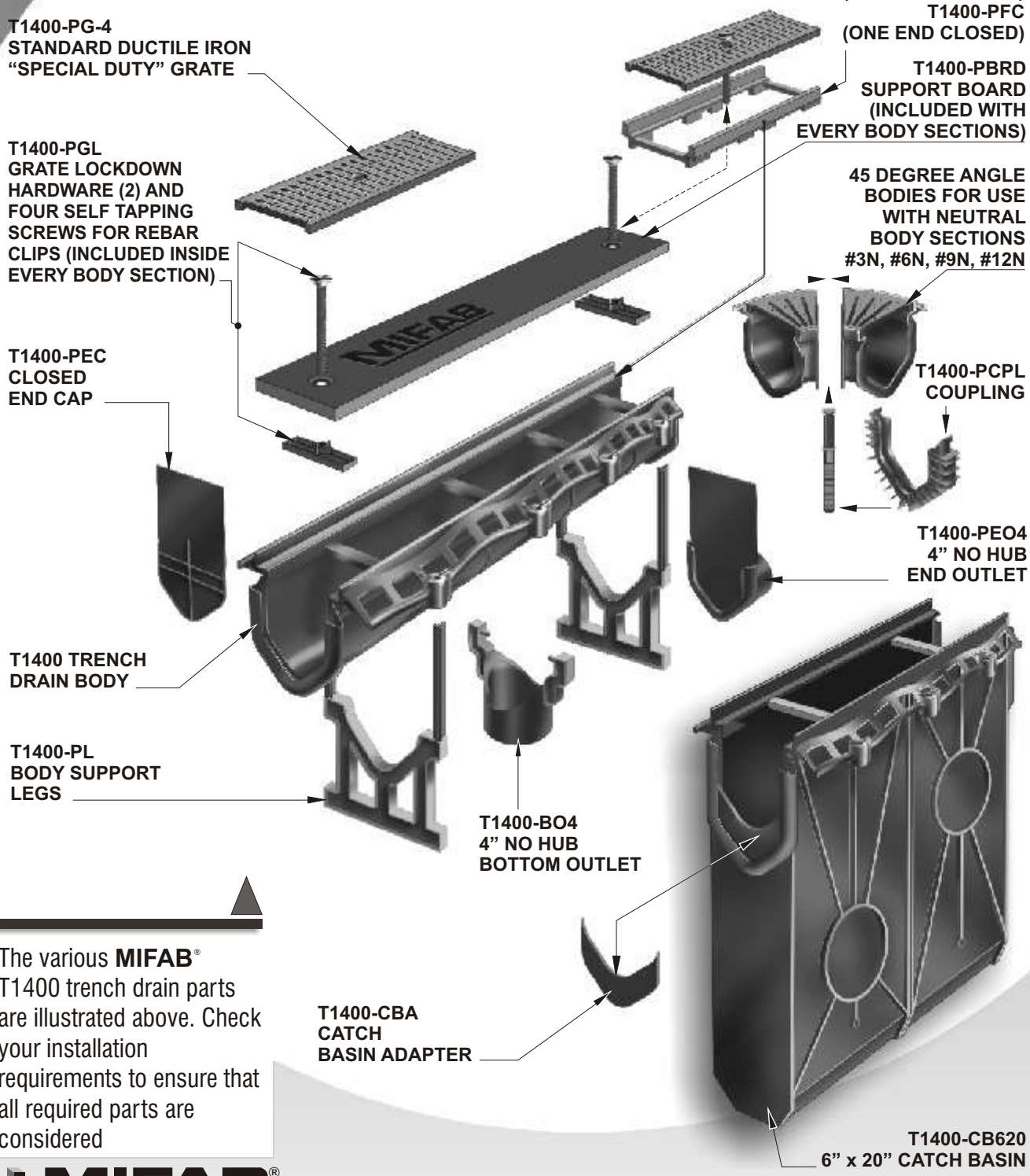
PARTS



The various **MIFAB**® T1400 trench drain parts are illustrated above. Check your installation requirements to ensure that all required parts are considered

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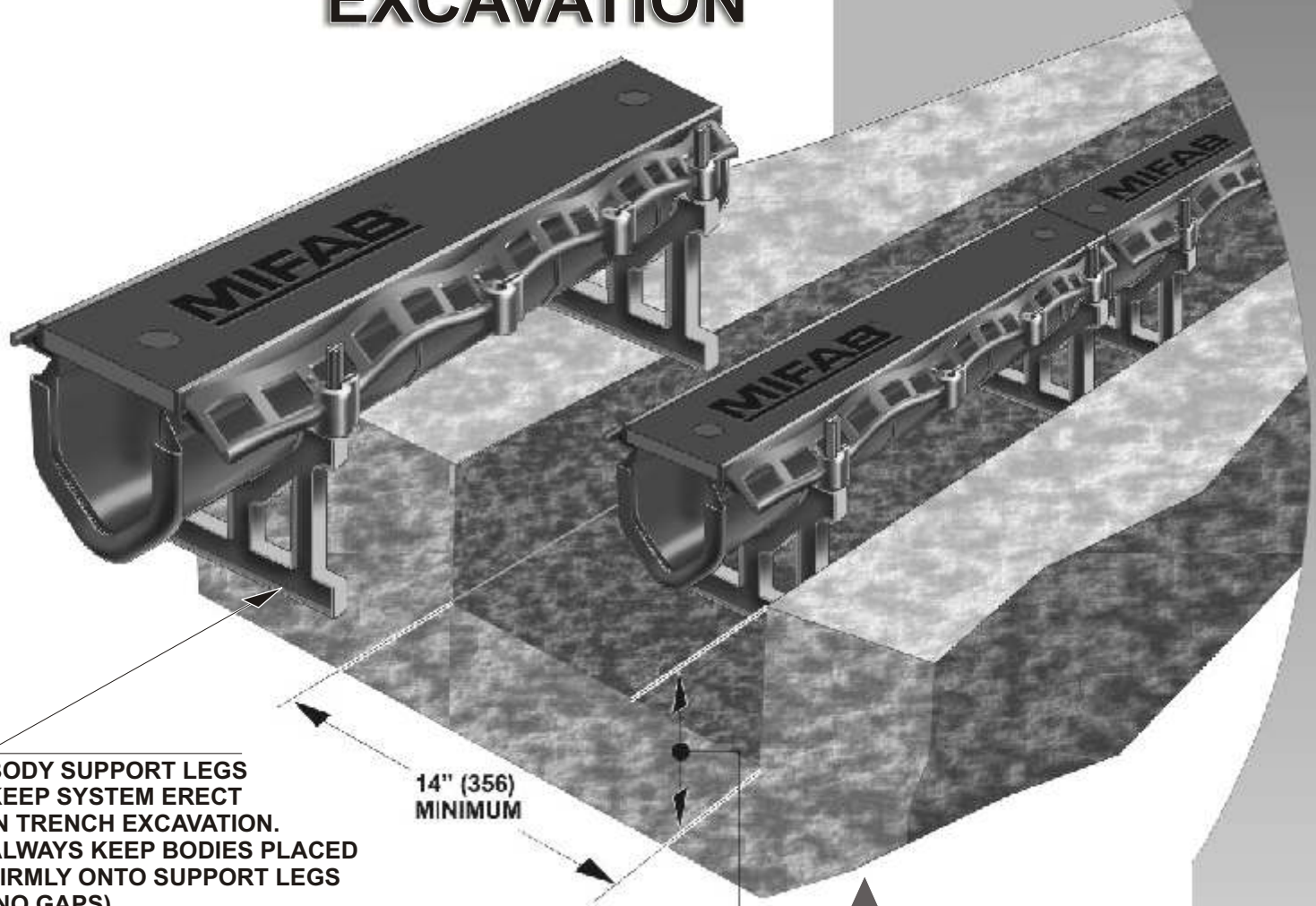
EXCAVATION



Excavate 4” (102) below the maximum body section trench depth and to a minimum width of 14” (356). Concrete cracking and movement of the trench can be caused by soft and or shifting soil conditions. Ensure that the foundation is compacted to provide a solid foundation before the concrete is poured.

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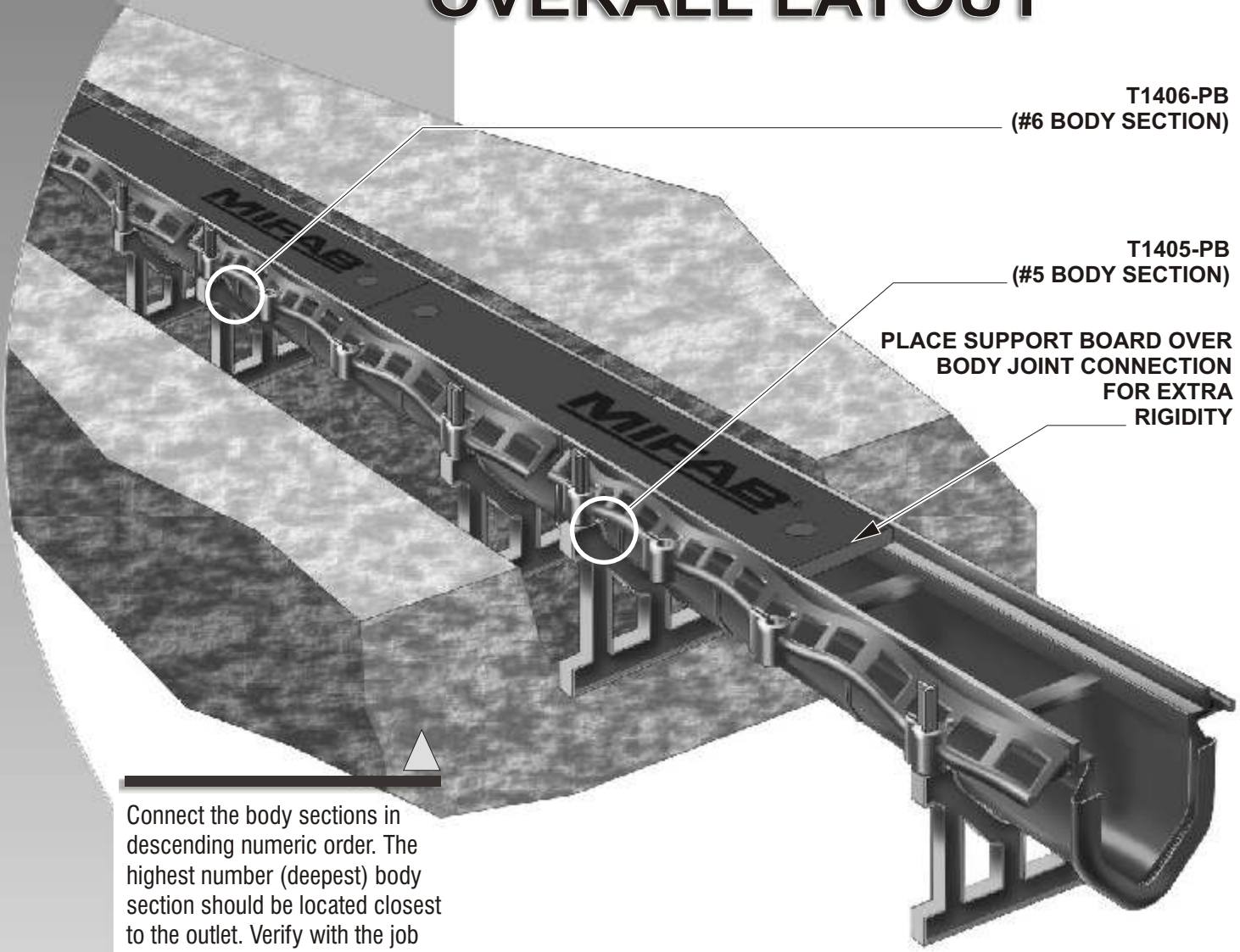
OVERALL LAYOUT



Connect the body sections in descending numeric order. The highest number (deepest) body section should be located closest to the outlet. Verify with the job layout and excavation plan. Each body section has a body part number and flow direction arrow to indicate its position within the system. The support boards are removed and grates can be installed after the concrete is poured.

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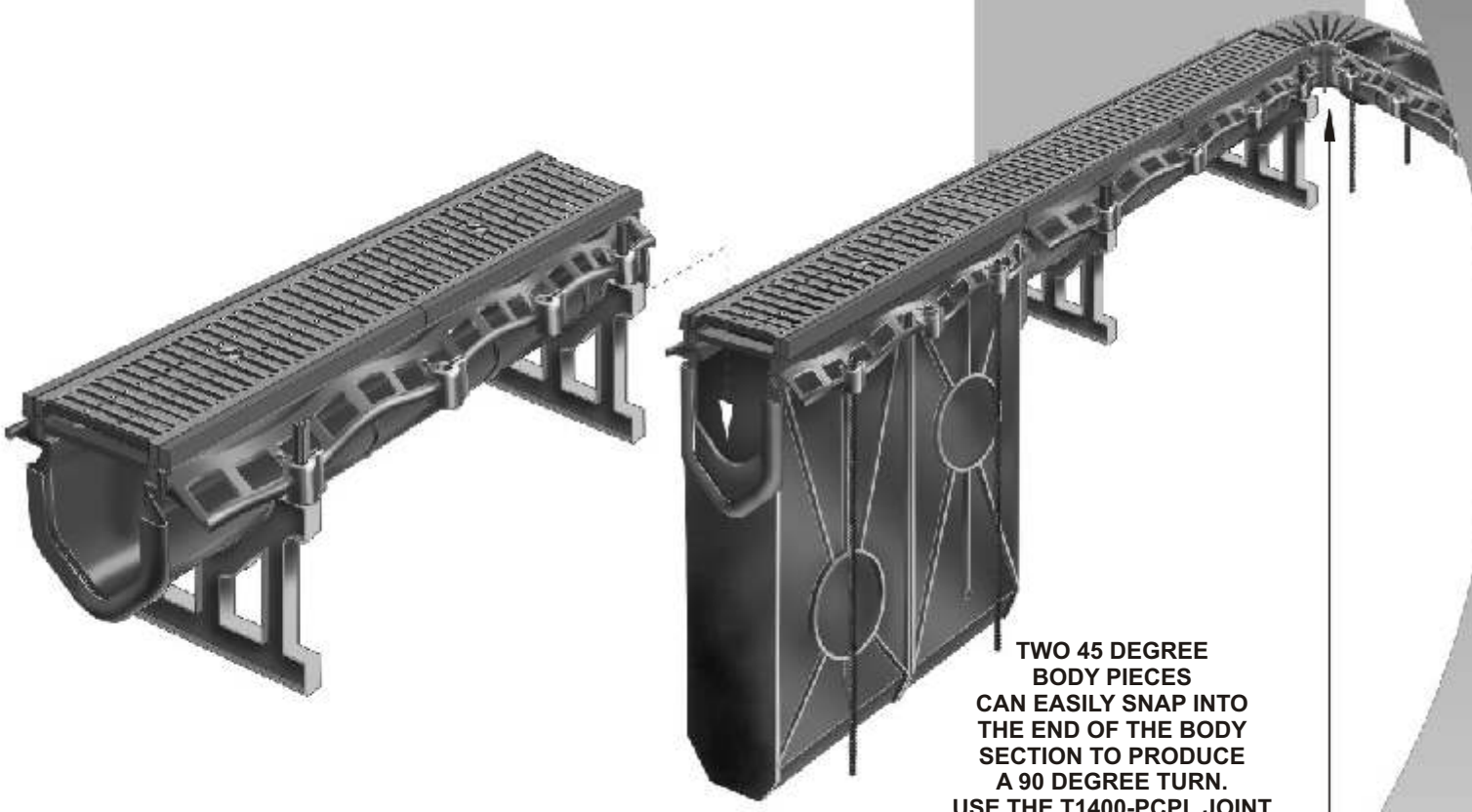
SETTING THE TRENCH



TWO 45 DEGREE BODY PIECES CAN EASILY SNAP INTO THE END OF THE BODY SECTION TO PRODUCE A 90 DEGREE TURN. USE THE T1400-PCPL JOINT COUPLING TO CONNECT THE TWO 45 DEGREE BODIES

Typically, a trench system is assembled starting with the deepest section or outlet and working back. Set the first channel utilizing T1400 PROFORMER's unique rebar and leg anchoring system. Assemble the body support legs onto the underside of the body sections. Place system into trench excavation. Level with soil to grade. Pour 1/2 bag of pre-mix concrete around each support foot.
Benefit: less labor and material (rebar) required for typical installation!

Integral rebar clips are located along the length of each trench drain and catch basin for easy attachment to 1/2" rebar stakes.
Simply align the rebar stakes with the trench drain and drive them into the ground for positive anchoring and alignment. Attach the trench drain to the rebar stakes with the hardware provided. Adjust the trench to the desired elevation and continue with the adjacent section.

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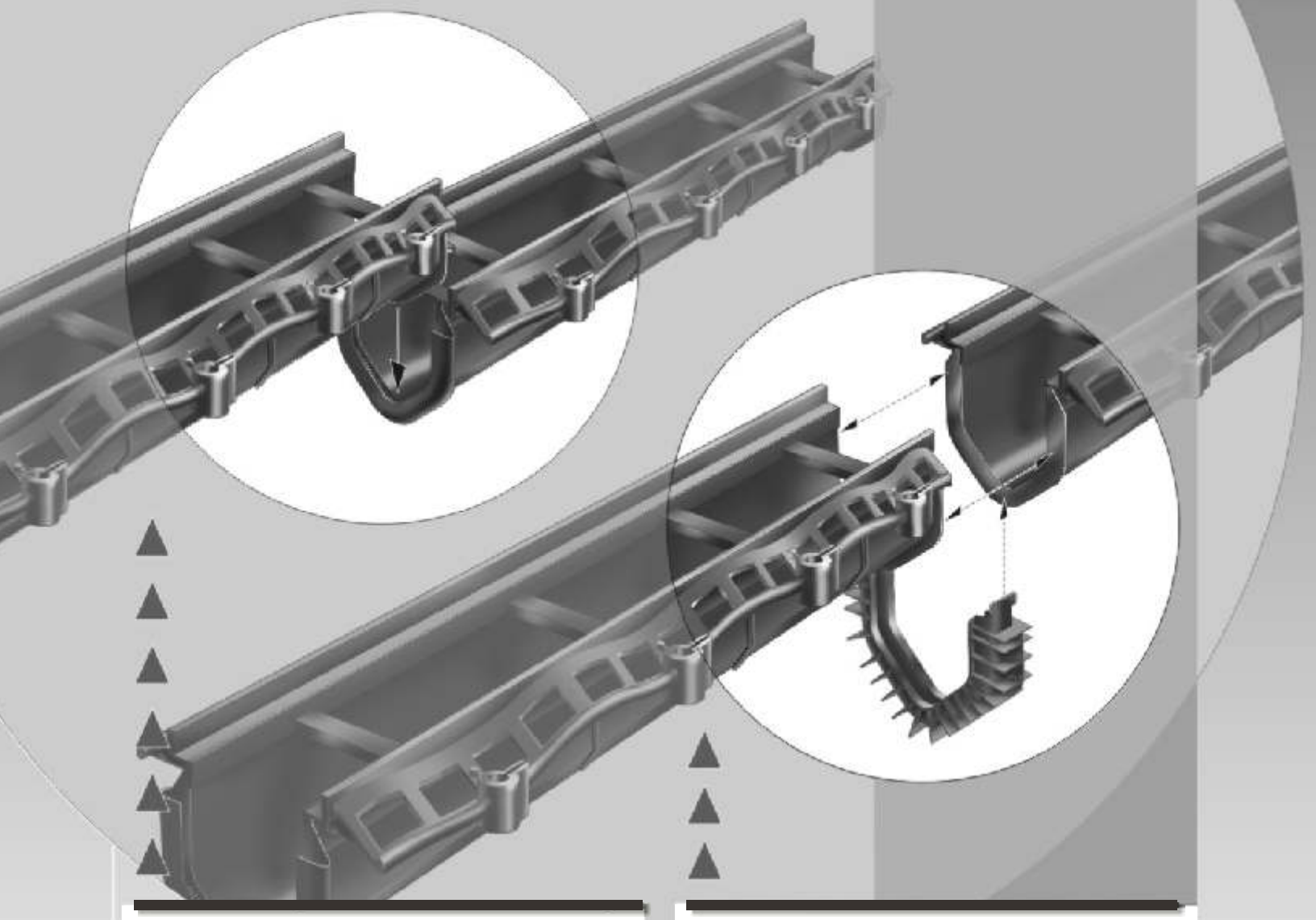
JOINT CONNECTION



It is easy to assemble the T1400 body sections. Simply align the male end above the female and then push the male into the female until the two bodies are level. The connection can be sealed with silicone caulking.

Trench drain bodies that are cut will have a male end. Two male ends can easily be connected by using the joint connector (part # T1400-PCPL).
The connection can be sealed with silicone caulking.

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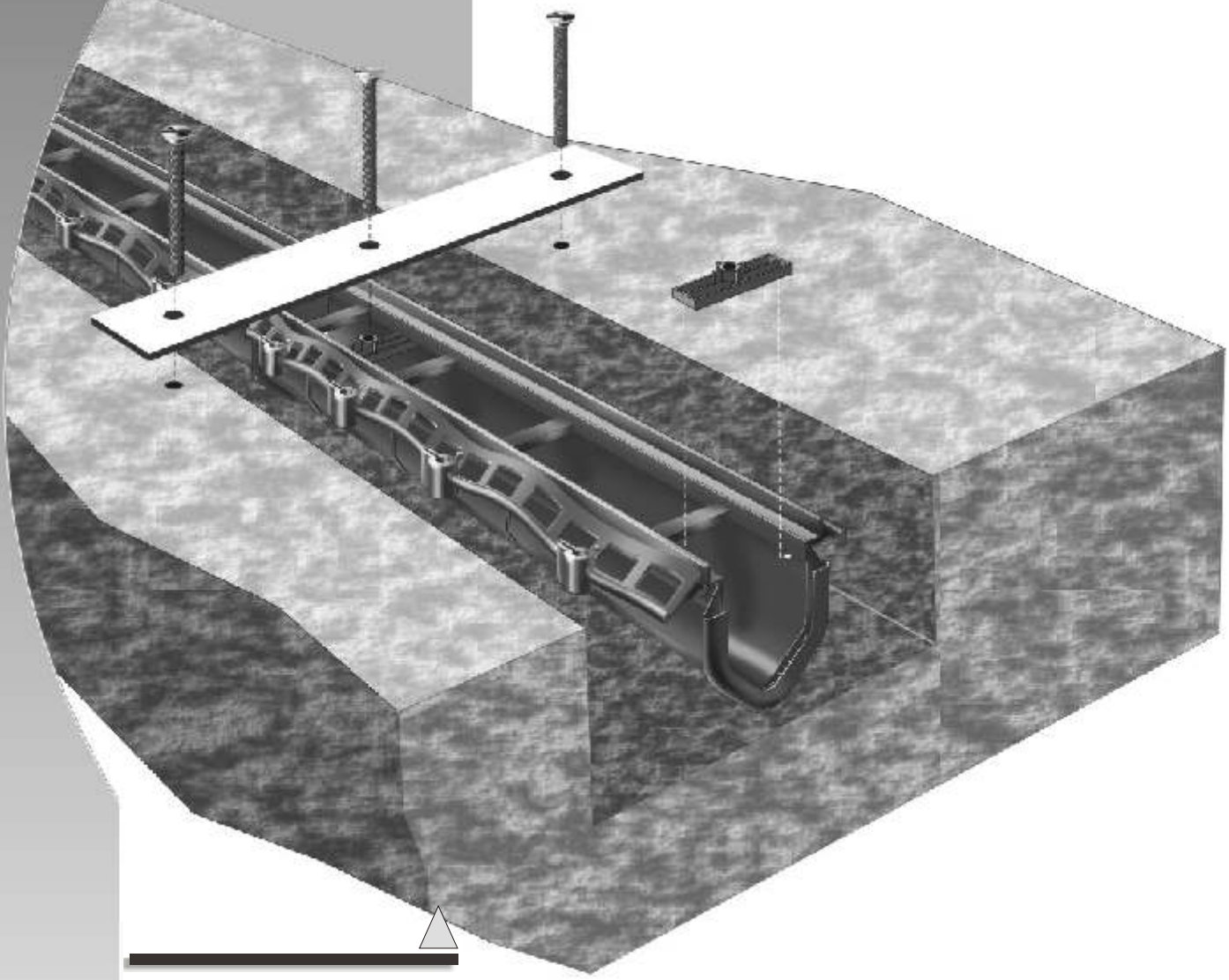
SUSPENDED INSTALLATION



MIFAB's trench drains can also be installed suspended. Wooden braces or MIFAB's T1400-PBRD support board can be attached to the drain body through the grate lock down bars as illustrated.

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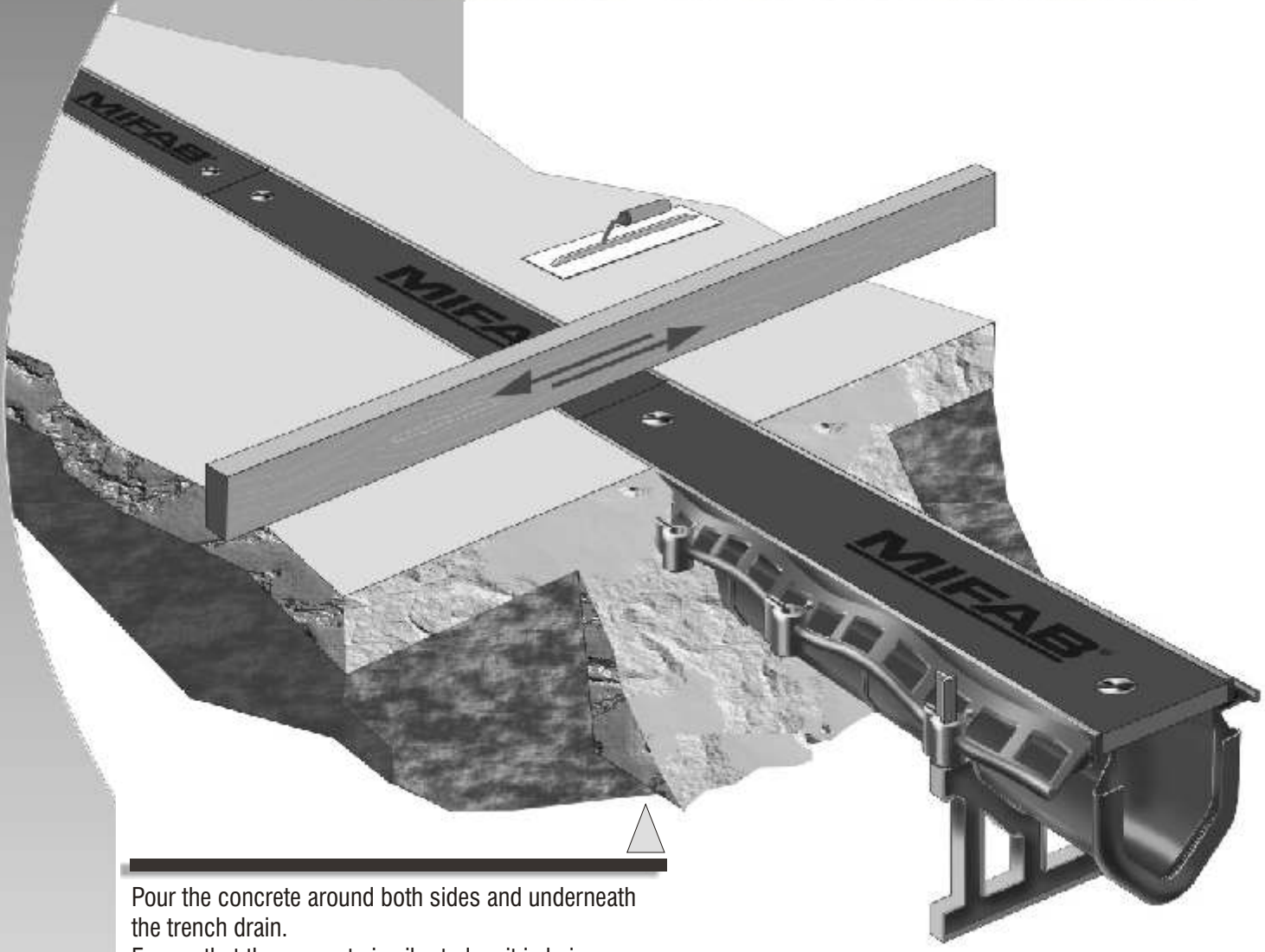
POURING THE CONCRETE



Pour the concrete around both sides and underneath the trench drain.
Ensure that the concrete is vibrated as it is being poured in the trench to eliminate voids.

Finish troweling should be done to have the top edge of the drain 1/16” below the floor grate. Concrete shrink may occur during the curing process. Take this into consideration to ensure that the edge of the trench drain does not protrude above finished floor grate.

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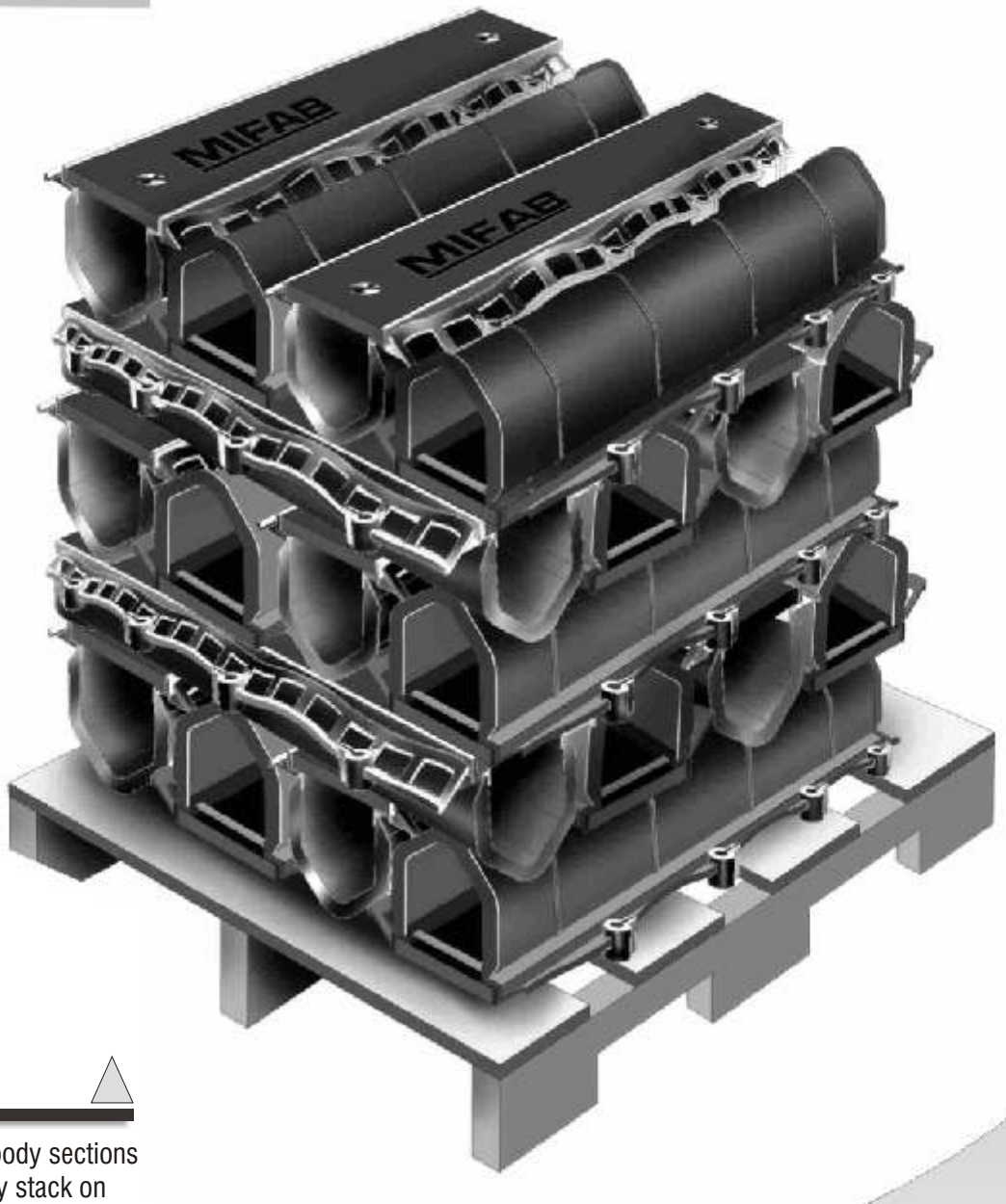
STORAGE AND HANDLING



The **PROFORMER**® body sections are designed to easily stack on standard sized pallets.
Each row of bodies should be perpendicular to the other.

ILLUSTRATED INSTALLATION INSTRUCTIONS

STEP 1: Prepare an excavation 14” wide by trench body depth, plus 4” below finished grade, allowing for slope of concrete to facilitate drainage.

STEP 2:
Turn trench up side down on reasonably flat surface. Begin installation of support feet by placing one tab into boss. Pushing down on foot, twist opposite tab sideways into boss. Bosses have been offset slightly to facilitate twisting motion. Space feet evenly along the length of the channel.

STEP 3:
Install end-caps on ends of trench drain by aligning the groove in cap to flange on trench drain.
Slide cap onto end of body with sharp blow of hand. If end outlet is used cut plug with appropriate tool prior to final connection.

STEP 4:
If bottom outlet is used, install where needed using the same twisting motion used on support feet. Scribe the inside of outlet on trench, remove outlet and cut scribed hole in trench with any hole saw. Re-install outlet.

STEP 5:
Place trench drain on sub grade and do a preliminary leveling of trench section

STEP 6:
Connect outlet piping, making sure that at point of connection the top of drain is at finished grade. End and bottom outlets are sized for 4” no hub pipe

STEP 7:
To ensure that the trench drain will not move or float during the pour, mix a minimum of 1/2 bag of premix concrete for each foot support. Place concrete around the support foot and adjust the trench for final level and allow concrete to set.
NOTE: IF MORE CONCRETE IS AVAILABLE TO POUR AROUND THE SUPPORT FEET, IT WILL MAKE THE INSTALLATION MORE SECURE FOR THE FINAL POUR.
Alternatively, secure rebar to the rebar clips molded into the anchor flange. Ensure that the rebar is adequately secured into the ground.

STEP 8:
Support boards are provided with each body section to maintain rigidity during the pour and to prevent concrete and other debris from entering the trench. Remove the support boards when the grates are to be installed. Use the locking hardware provided with each body section to install the grates.

WARNING!!!
DO NOT USE TRENCH DRAIN AS EXPANSION JOINT