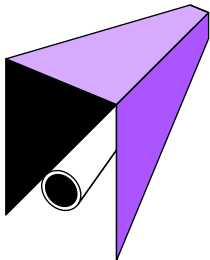


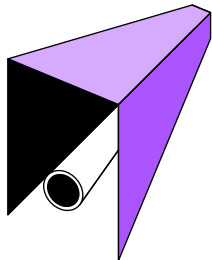
Design Information

- ASSEMBLED SECTIONS ARE JOINED BY INSERTING THE LONGER PORTION OF A METAL CONNECTOR INTO THE OPEN FLUTED END OF THE SIDE PANEL, THEN SWIVEL AND INSERT THE SHORTER LEG OF THE METAL CONNECTOR INTO THE ABUTTED END OF SIDE PANEL
- IN ADDITION TO ABUTTED SECTIONS, SIDE PANELS CAN ALSO BE OVERLAPPED AND CONNECTED WITH THE SAME METAL CONNECTORS
- THE UNIQUE DESIGN OF THIS SYSTEM ALLOWS ADAPTATION FOR ELEVATION CHANGES, CORNERS, ANGLES, AND BULKHEADS
- THE SIDE PANEL COMPONENTS CAN EASILY BE SLIT-SCORED AT ONE SIDE IN ORDER TO CREATE CORNERS & ANGLES
- PLACING ONE SIDE PANEL ON TOP OF ANOTHER IS ACCOMPLISHED BY USING METAL STACKING PINS TO INCREASE NEEDED HEIGHT AT STEPPED AREAS



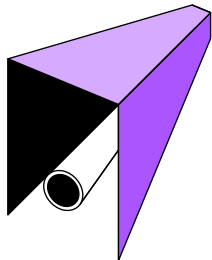
System Information

- RECOMMENDED FOR USE IN CONVENTIONAL TRENCHES UP TO 12' IN DEPTH
- SYSTEM WIDTHS (18" & 24") ALLOW MULTIPLE PIPES TO BE LATERALLY SUSPENDED TOGETHER
- THE SYSTEM COMPONENTS SHOULD BE ASSEMBLED IN A PROCEDURAL SEQUENCE
- EXCAVATED TRENCHES CAN MATCH THE GENERAL SLOPE OF THE PLUMBING LINES OR DUG IN LEVEL STEPS TO ACHIEVE THE NEEDED ELEVATION(S)
- TRENCH DEPTHS MUST BE DEEP ENOUGH SO THE ENTIRE SYSTEM IS BELOW GRADE ENSURING THE SPECIFIED VOID SPACE REMAINS UNDER THE SLAB
- THE WIDTH(S) OF THE TRENCH(S) SHOULD BE A MINIMUM OF SIX INCHES WIDER THAN THE SIZE OF THE SELECTED SYSTEM FOR ALIGNMENT
- THE TRENCH(S) SHOULD BE 4" - 6" DEEPER TO ACCOMMODATE GRAVEL FILL FOR A STABLE BASE WHEN INCLEMENT WEATHER THREATENS
- CLEVIS AND ALL-THREAD IS NOT INCLUDED
- INSTALL PER MANUFACTURE'S RECOMMENDATIONS
- DO NOT DRIVE MACHINERY OVER SYSTEM

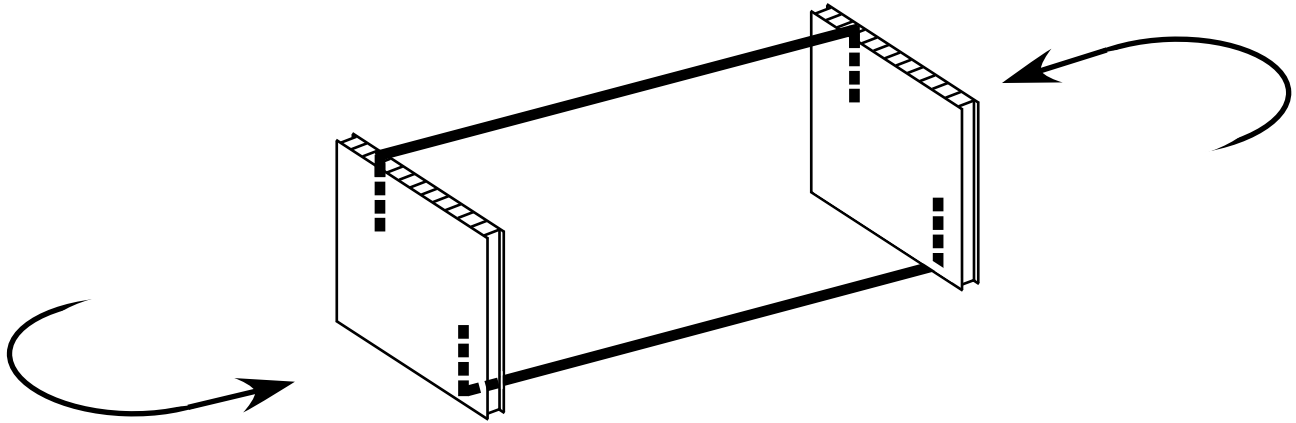


Hanging Rebar Supports

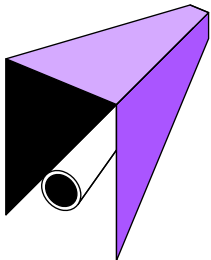
- TWO HANGING REBAR SUPPORTS ARE POSITIONED PARALLEL AND COMMONLY SPACED AT 4'O.C.
- SUPPORT ONLY ONE PIPE CLEVIS PER TWO HANGING REBAR SUPPORTS
- USE ONLY PROVIDED PLUMBINGVOID WASHERS WHEN SUSPENDING PIPES AT HANGING REBAR SUPPORTS
- STAGGER CLEVIS & ALL-THREAD WHEN MULTIPLE PIPES ARE ALIGNED TOGETHER IN THE SAME TRENCH
- SIDE PANELS SHOULD HAVE THREE OPEN FLUTES BETWEEN TOP HANGING REBAR SUPPORTS FOR 2" & 3" DIAMETER PIPES
- SIDE PANELS SHOULD HAVE TWO OPEN FLUTES BETWEEN THE TOP HANGING REBAR SUPPORTS FOR 4" OR 6" DIAMETER PIPES
- POSITION SIDE-PANEL BRACKET PIECES ON THE TOP EDGE OF THE SIDE PANELS UNDER EACH HANGING REBAR SUPPORT FOR WEIGHT DISTRIBUTION
- POSITION CLEVIS & ALL-THREAD LESS THAN 4' O. C. FOR PVC PIPES GREATER THAN 4" DIAMETER OR CAST IRON PIPES NEEDING ADDITIONAL WEIGHT DISTRIBUTION



Interior Spacer



- ROTATE PLASTIC ENDS FROM FLAT POSITION
- ALIGN REBAR TO A PARALLEL POSITION
- PLACE AT JOINTS OF SIDE PANELS AND BETWEEN - APPROXIMATELY 2' O.C.
- POSITION ABOVE OR BELOW THE PIPE
- ATTACH EACH END TO INSIDE FACE OF SIDE PANELS WITH COURSE-THREAD SCREWS



PlumbingVoid™
Pipe Isolation Systems

Backfill Material

- PEA GRAVEL (RECOMMENDED)
- NON-COHESIVE BACKFILL IS NOT MANDATORY
- LOOSE & FINE EXCAVATED JOB-SITE SOIL
- ANY COMBINATION OF SAND / GRAVEL / DIRT
- AVOID USING LARGE CLUMPS OF DIRT
- PROVIDE PROPER BRIDGING AT TRENCHES IF CROSSING WITH MACHINERY IS NECESSARY
- DO NOT COMPACT SOIL ABOVE SYSTEM

