MATERIAL SPECIFICATIONS and GENERAL INFORMATION

I. CHANNEL

1. General - Flex-Strut channels are manufactured by Roll-Forming strip steel into channel configurations.

   Pre-Galvanized .......... ASTM A-653
   Hot-Roll .................. ASTM A-569
   (Meets the physical requirements of Grade 33)

3. Design - Design tables are based on AISI “Specification for the Design of Cold-Formed Steel Structural Member”.

4. Welding - Channel combinations are made by spot welding or plug welding. Weld spacing is three inches (3") on center.

5. Finishes - Channels are available in Plain, Pre-Galvanized and Green.
   Some channels are available in Aluminum, Stainless Steel, Hot-Dipped Galvanized After Fabrication, Fiberglass, and PVC Coated.
   Custom colors are available upon request

6. Load Reduction - Values in Load Tables should be reduced for fabricated channels. Use 90% of published values for Slotted (SL), Short Slot (SS), Holes (H) and Knock-out (KO).

II. CHANNEL NUTS

1. General - Flex-Strut channel nuts are stamped from steel bar and case hardened after forming and tapping.

2. Material - Bar used to manufacture channel nuts conforms to ASTM A-575 or A-576.

   Aluminum, Stainless Steel and Fiberglass nuts are available in some sizes.

III. FITTINGS

1. General - Flex-Strut fittings are manufactured by punching and cold forming steel for specific channel connection applications. Typical fittings are 1/4" thick and 1-5/8" wide. Typical holes are 9/16" diameter, 1-7/8" on center and 13/16" from ends.

2. Material - Bar used to manufacture fittings conforms to ASTM A-569 or A-575.

   Some fittings are available in Aluminum, Stainless Steel and Fiberglass.

*Flex-Strut reserves the right to change design specifications without notice.*

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