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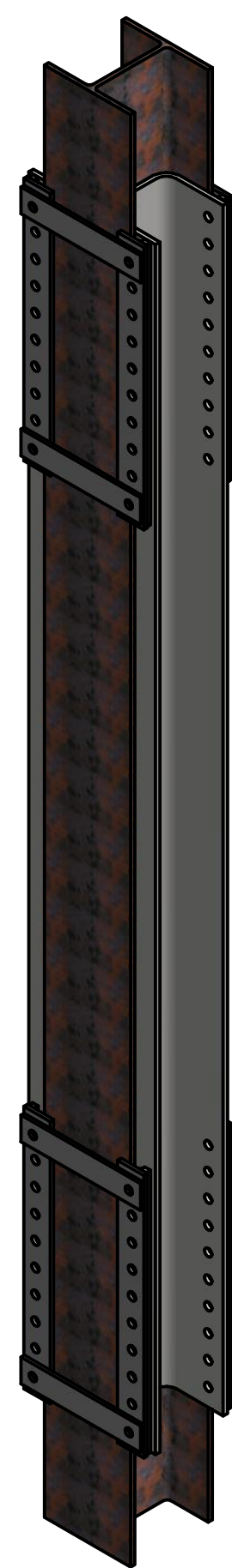
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HP 14-102 Repair Jacket Bill of Materials			
Part	Per Jacket	Jacket QTY	Total Ordered
Bent Plate 14x102 L15ft	2	21	42
Friction Coupler 14x102	8	21	168
Cross Bar 14	8	21	168
A325 1" DIA x 4" L	64	21	1344
A325 1" DIA x 4.5" L	16	21	336
A563 Heavy Hex Nut	80	21	1680
F436 Washer	160	21	3360



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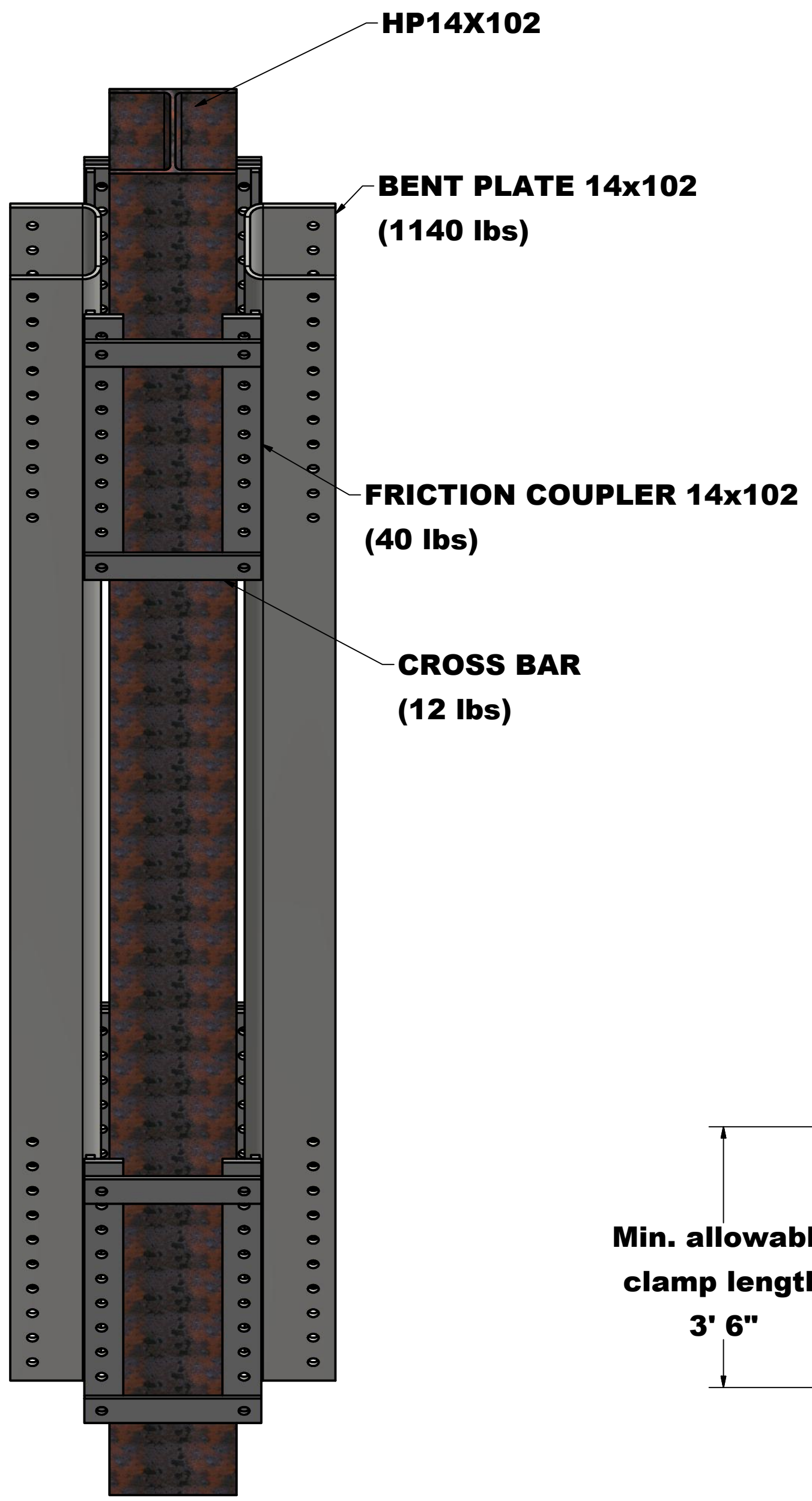
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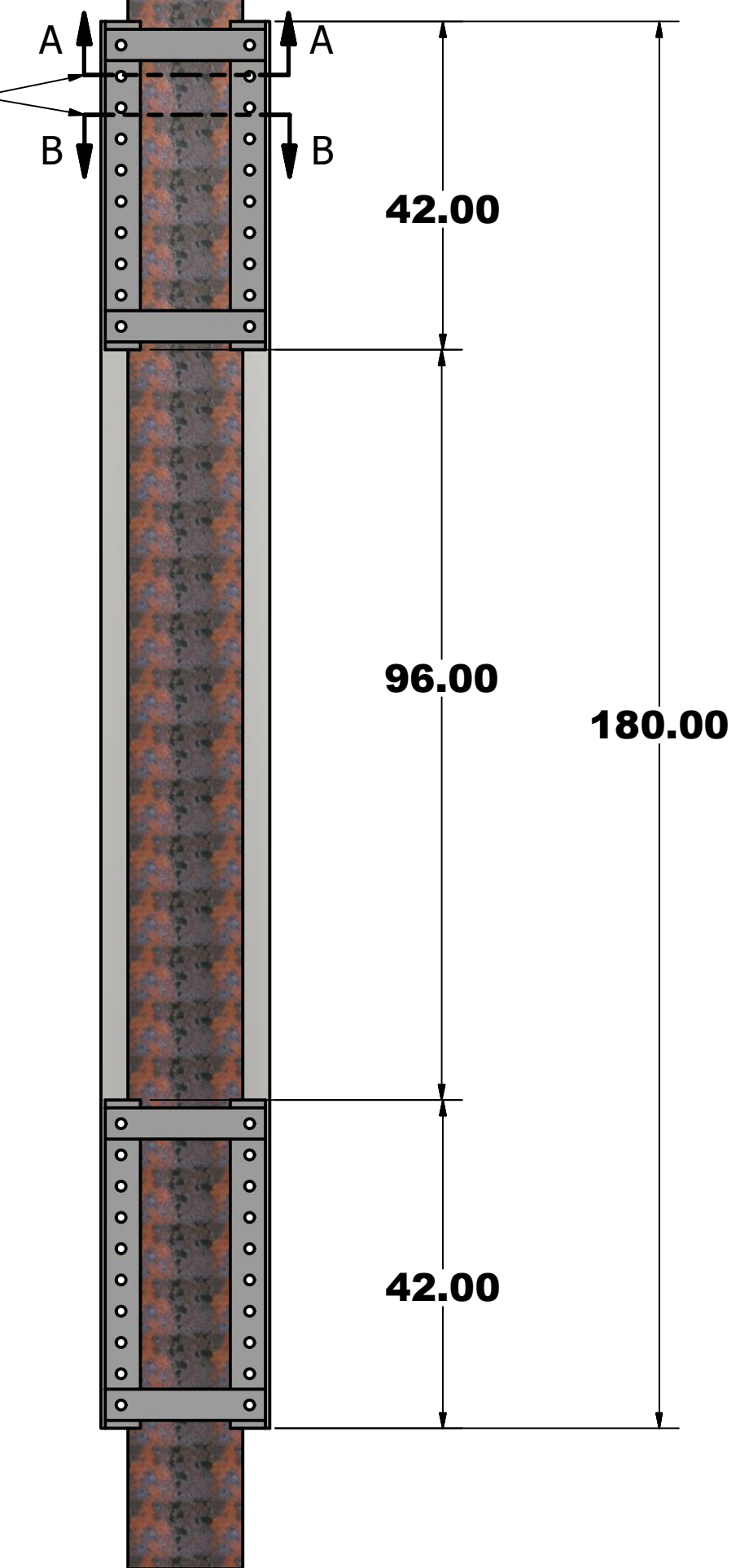
A

A



**Pile condition:
Minimal surface rust
and/ or
pitting corrosion.
Flange edges shall be
square**

SEE PAGE 3



**ALLOWABLE PILE
DAMAGE AREA**

**Pile condition:
Minimal surface rust
and/ or
pitting corrosion.
Flange edges shall be
square**

**Min. allowable
clamp length
3' 6"**

Prior to installation, all affected pile surfaces shall be cleaned of marine growth, mud, rust, mill scale and any other material which might prevent proper seating of jacket to the pile.

HP14x102

US Patent Number 6561736 B1

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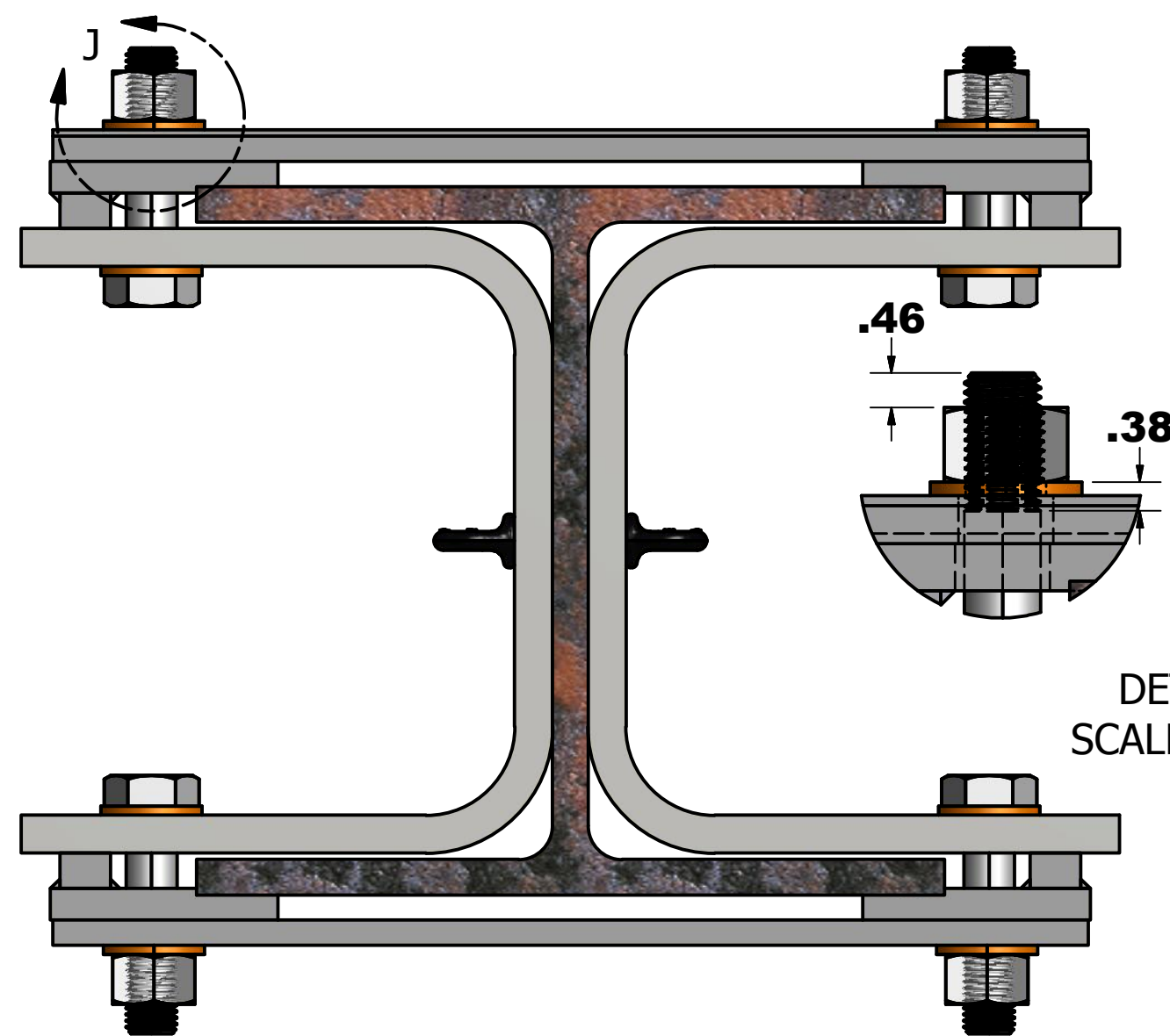
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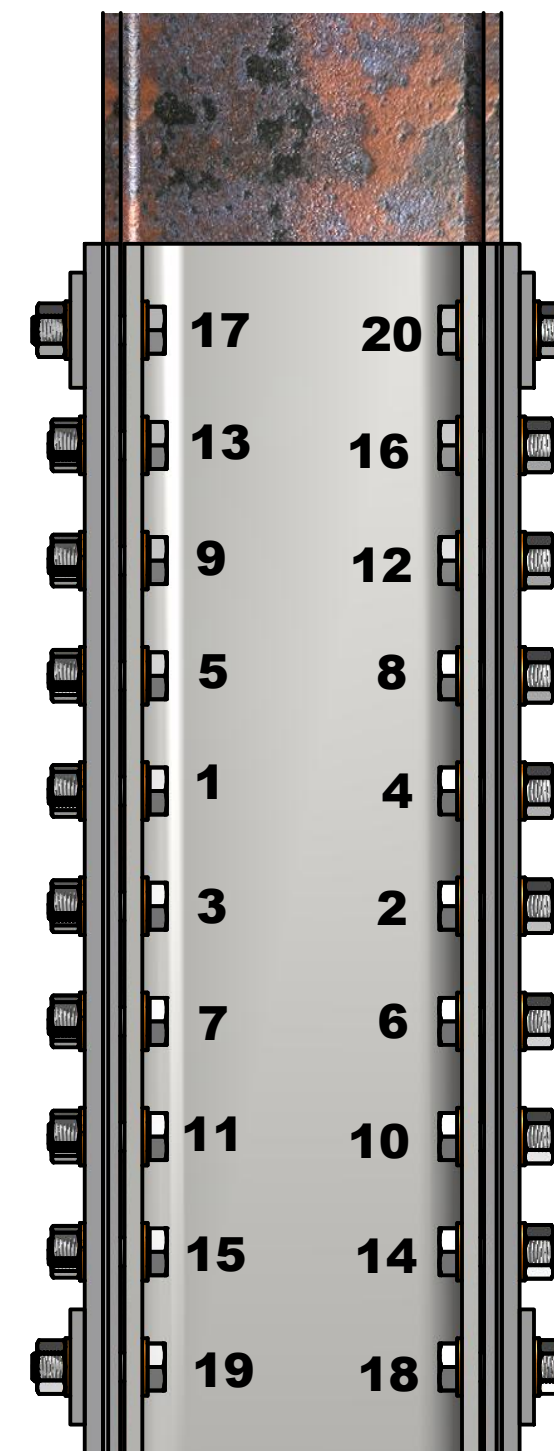


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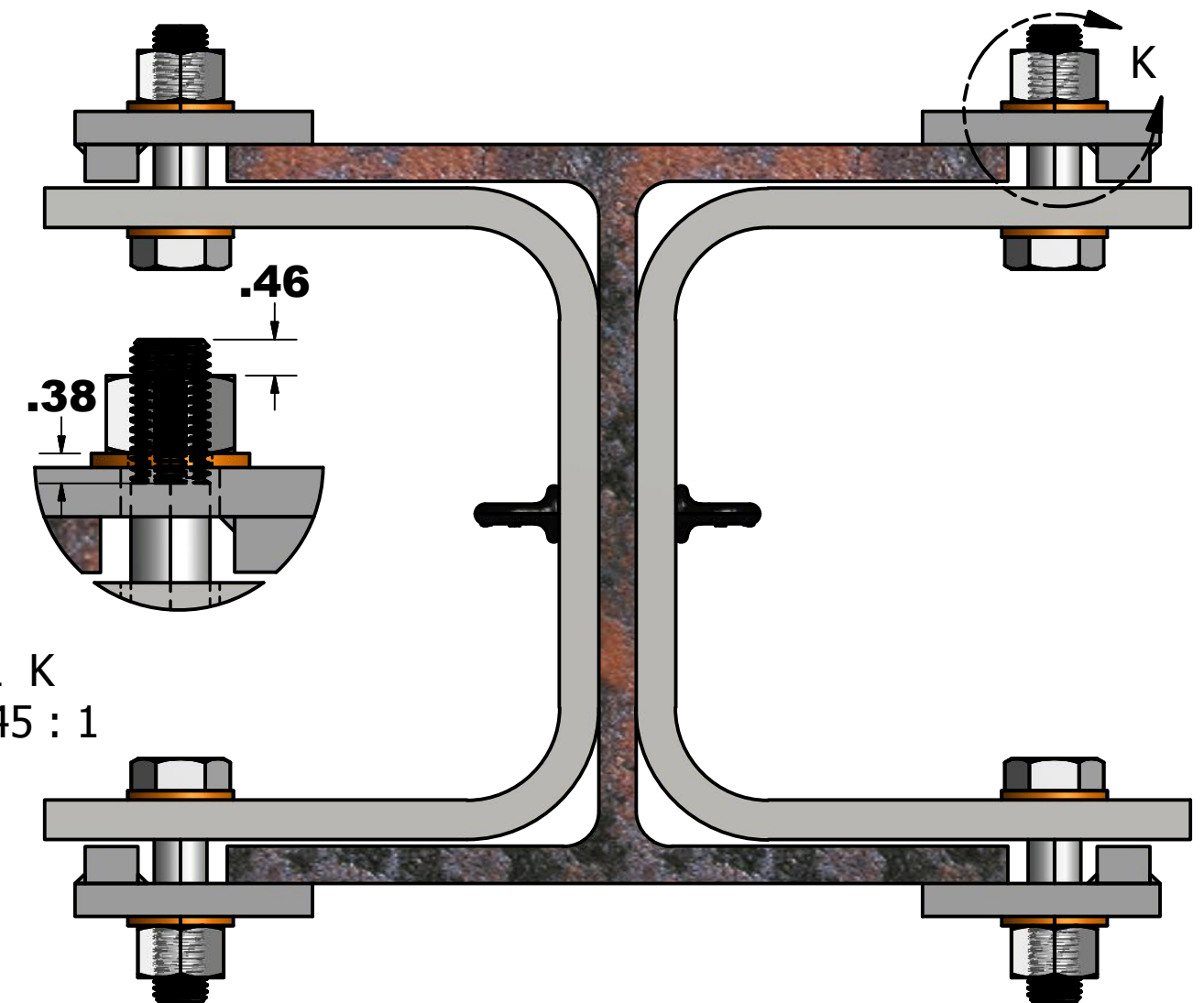
Section Properties	Ixx (in ⁴)	Iyy (in ⁴)
14x102 Repair Jacket (Excluding friction coupler & cross bar)	1120	1290
14x102 Base H-Pile	909	326



DETAIL J
SCALE 0.45 : 1



BOLT TORQUING
PATTERN



DETAIL K
SCALE 0.45 : 1

SECTION A HARDWARE SUMMARY:

- 1" DIA, 4.5" LONG HDG A325 HEX BOLT WITH HEAVY HEX NUT (A563)
- 2X 1" HDG F436 FLAT WASHER PER BOLT
- PRETENSION A325 TO 51-61 kips USING STAR PATTERN
- 16X 4.5" BOLT ASSEMBLIES PER PILE

SECTION B HARDWARE SUMMARY:

- 1" DIA, 4" LONG HDG A325 HEX BOLT WITH HEAVY HEX NUT (A563)
- 2X 1" HDG F436 FLAT WASHER PER BOLT
- PRETENSION A325 TO 51-61 kips USING STAR PATTERN
- 64X 4" BOLT ASSEMBLIES PER PILE