Penn Stainless Products, Inc. Stainless Steel Beam Specifications

Penn Stainless Specification #	Extruded Beam			Rolled Beam			Welded Beam			Page 1/1		
F740-4 Rev A	304	304/304L	316 316L	304	304/304L	316/316L	304	304/304L	316/316L			
ASTM A276/ASME SA276	•	•	•	•	•	•						
ASTM A479/ASME SA479	•	•	•	•	•	•						
AMS-QQ-S-763 /QQ-S-763 latest revision	•	•	•	•	•	•						
ASTM A1069							•	•	•			
AMS Spec	5639	5639/5647	5648/5653	5639	5639/5647	5648/5653						
ASTM A240-Parent Material/ CMTR Required							•	•	•			
ASTM A480							•	•	•			
UNS	30400	30400/30403	31600/31603	30400	30400/30403	31600/31603	30400	30400/30403	31600/31603			
ASTM E112 Grain size	•	•	•	•	•	•						
ROHS Directive 2002/95/EC	•	•	•	•	•	•	•	•	•			
NACE MR 0103 & MR 0175	•	•	•	•	•	•	•	•	•			
Hardness test	According to ASTM A276 or A240											
Tolerance- Length/Width/Flattness	According to ASTM A 484 or A480 - Aim for half of tolernace											
Corrosion Test: ASTM A262	E	E	E	E	E	E	E	E	E			
Marking: ASTM : *Standard(s)- grade(s)- stamp(s)* + heat and plate number	Line marked per ASTM Specification All items must be in U.S. Customary units All these elements indicated on packing list + quantity + number of packings											
Certificate according to EN 10204-3.1 with the year of EN10204 issue.	Where the spec rev/edition is not notes above, standard latest edition dates must be shown on certificates											
	Minimum Solution Anneal Temperature and quench method											
	Country of Melt and Country of Manufacture											
	Inspector/ Quality person's name and title typed and signature or cert											
	Free from radioactive contamination/ No Mercury Contamination/ No Weld Reair											
	Fraud and Falsification statement must be on test report											
	Material must be supplied in unsensitized condition											
	Cobalt must be reported on test report											
	Compliance/Conformance statement that material meets all requirements of purchase order and required specifications											
	Email certificates to certs@pennstainless.com											

Approved by: Dawn M Dreher Date: 3/1/2020