

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

GRADER BLADES

GENERAL DESCRIPTION:

Grader blades shall be steel and adhere to the dimensions noted in each material master number with a tolerance of +/- 1/8 inch. Blades shall be punched or drilled with bolt holes in accordance with standard highway requirements as shown in Figure 1A and Figure 1B. Bolts are not to be supplied.

BLADE & BLADE PUNCHING:

Blade material to be AISI approved.

All blades shall be furnished with appropriate bolt holes, punched or drilled as required to a diameter 1/16 inch larger than the normal diameter of the bolt. Hole spacing dimensional tolerances shall be +/- 1/16 inch non-accumulative.

CERTIFICATION:

Vendor may be required to submit, with each shipment and/or prior to award, three (3) copies of a notarized Certificate of Analysis, written in English, for final approval by the Department.

The Certificate of Analysis shall be from the manufacturer or supplier of actual test results of the chemical analysis for each heat or lot of steel used in the manufacture of the grader blades, including mill test reports. Certificate must also contain hardness test results of the finished product.

PACKAGING & DELIVERY:

Blades must be securely bound together in bundles of ten (10) and delivered by flatbed truck for side unloading.

REGULAR STEEL GRADER BLADES

HARDNESS:

The finished product shall have a minimum Rockwell C hardness of 25.

12751 ½ inch by 6 inches by 6 feet, curved, single or double bevel cutting
(34-99-0876) edge

12752 ½ inch by 6 inches by 7 feet, curved, single or double bevel cutting
(34-99-0877) edge

12753 ½ inch by 8 inches by 6 feet, curved, single or double bevel cutting
(34-99-0886) edge

THRU-HARDENED GRADER BLADES

HARDNESS:

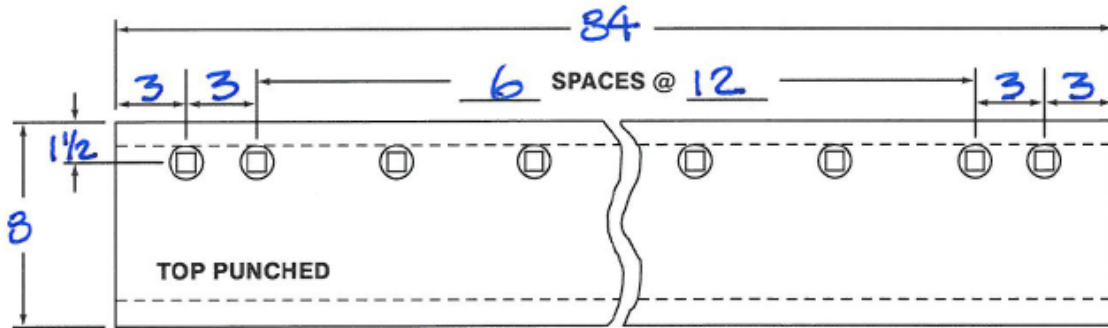
Each blade shall be selectively hardened front and back with a primary and secondary hardness or uniform hardness throughout.

The finished product shall have a minimum Rockwell C hardness of 43.

12754 ¾ inch by 8 inches by 6 feet, thru-hardened, curved, single or
(34-99-0887) double bevel

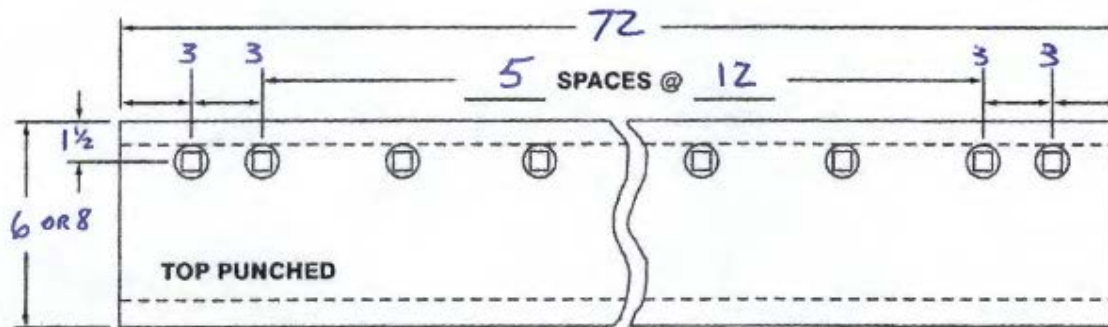
12755 ¾ inch by 8 inches by 7 feet, thru-hardened, curved, single or
(34-99-0890) double bevel

Figure 1A: Standard Highway Punching for 84 inch Blades



Number of Holes: 9
Bolt Size: 3/4 inch
13/16 Square Holes for 3/4 inch No. 3 Head Plow Bolts

Figure 1B: Standard Highway Punching for 72 inch Blades



Number of Holes: 8
Bolt Size: 3/4 inch
13/16 Square Holes for 3/4 inch No. 3 Head Plow Bolts

Figure 2: Blade Bevels

