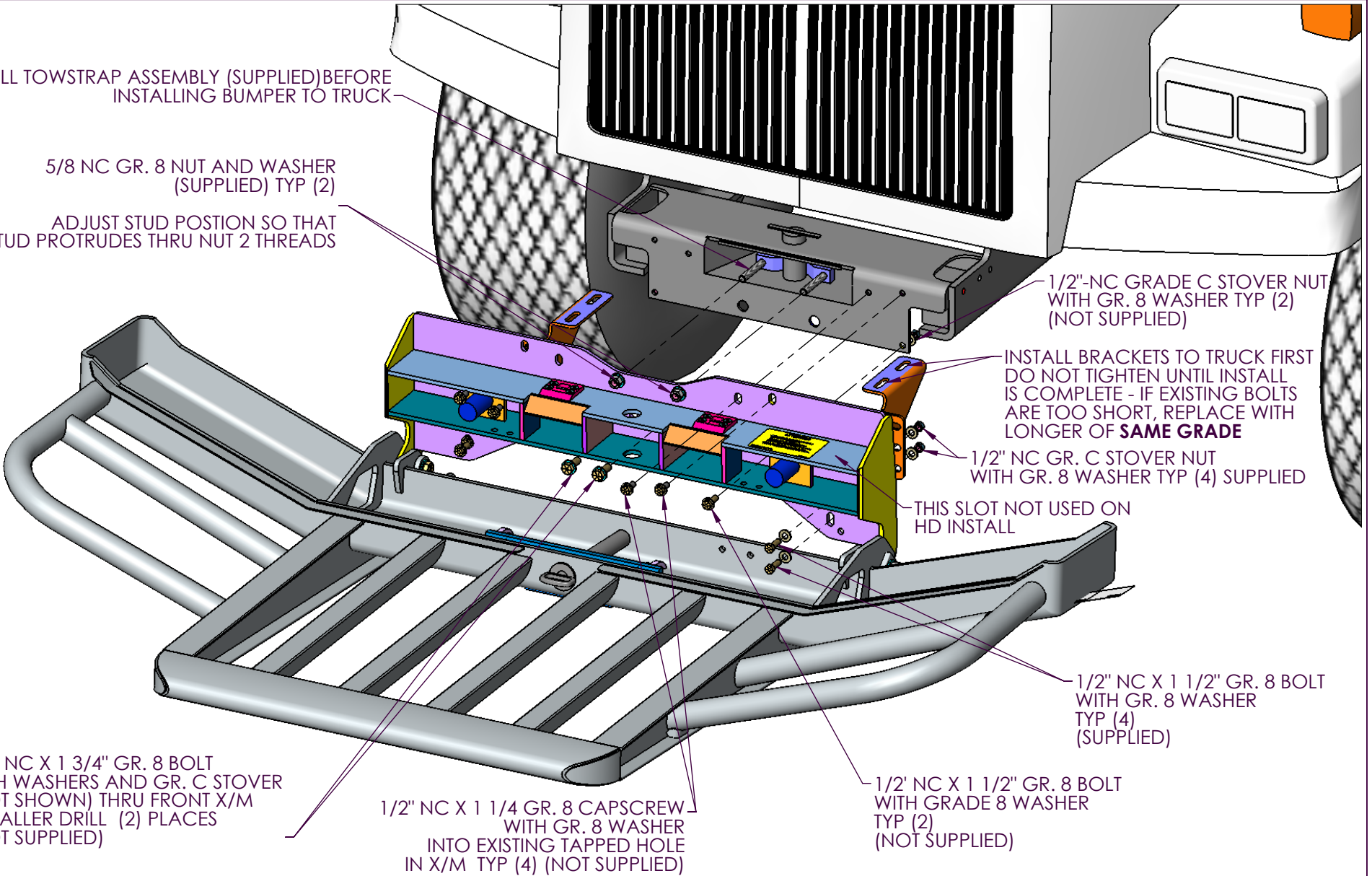


INSTALL TOWSTRAP ASSEMBLY (SUPPLIED) BEFORE INSTALLING BUMPER TO TRUCK

5/8 NC GR. 8 NUT AND WASHER (SUPPLIED) TYP (2)

ADJUST STUD POSITION SO THAT STUD PROTRUDES THRU NUT 2 THREADS



1/2"-NC GRADE C STOVER NUT WITH GR. 8 WASHER TYP (2) (NOT SUPPLIED)

INSTALL BRACKETS TO TRUCK FIRST DO NOT TIGHTEN UNTIL INSTALL IS COMPLETE - IF EXISTING BOLTS ARE TOO SHORT, REPLACE WITH LONGER OF **SAME GRADE**

1/2" NC GR. C STOVER NUT WITH GR. 8 WASHER TYP (4) SUPPLIED

THIS SLOT NOT USED ON HD INSTALL

1/2" NC X 1 1/2" GR. 8 BOLT WITH GR. 8 WASHER TYP (4) (SUPPLIED)

5/8" NC X 1 3/4" GR. 8 BOLT WITH WASHERS AND GR. C STOVER (NOT SHOWN) THRU FRONT X/M INSTALLER DRILL (2) PLACES (NOT SUPPLIED)

1/2" NC X 1 1/4 GR. 8 CAPSCREW WITH GR. 8 WASHER INTO EXISTING TAPPED HOLE IN X/M TYP (4) (NOT SUPPLIED)

1/2' NC X 1 1/2" GR. 8 BOLT WITH GRADE 8 WASHER TYP (2) (NOT SUPPLIED)

MAGNUM TRAILER & EQUIPMENT INC.



PROCESS CODES

- | | |
|---------------------------|----------------------|
| A - MODIFY SURFACE FINISH | Q - PAINT OR COATING |
| B - BURN (FLAME) | R - ROLLED |
| C - CUT TO LENGTH | S - SHEAR |
| D - DRILL | T - TRIM |
| F - FORM | V - LAYOUT |
| H - HI DEF PLASMA | W - WATER CUT |
| K - CAST | X - EXTRUDE |
| L - LASER | Y - MODIFY |
| M - MACHINE | Z - HEAT TREAT |
| P - PUNCH | |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:

FRACTIONS ANGLES
+/- 1/16" +/- 1deg

DIMENSIONS TO SHARP POINTS

SHEET NAME INSTALL		TITLE 17010 BUMPER ON 2005 WESTERN STAR 4900 HD	
CURRENT CUSTOMER	STOCK NUMBER	VENDOR NUMBER	WEIGHT - LB. 14501.
WO#	DRAWN BY GW	DRAWN DATE 8/2/2005	REV. C
SCALE 1:12	MODELLER GW	DRAWING NUMBER AA-12235	NUMBER OF SHEETS