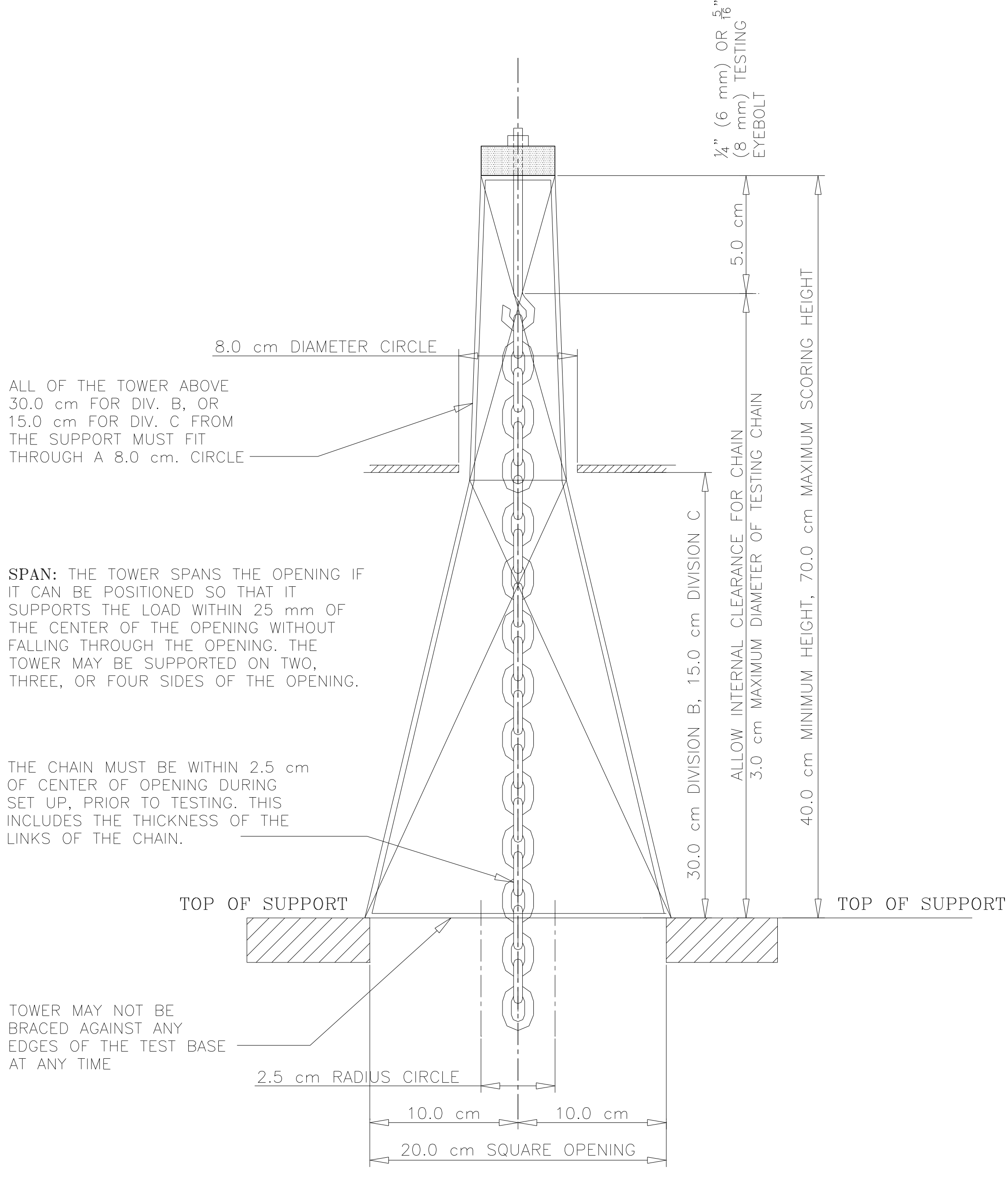

SIDE VIEW

2012 SCIENCE OLYMPIAD B/C TOWERS

Robert Monetza
Science Olympiad
2012 Towers

THE MAXIMUM LOAD CARRIED AND SCORED WILL BE 15.000 KILOGRAMS.
MAXIMUM HEIGHT SCORED WILL BE 70.0 CENTIMETERS

TOWERS ARE SCORED AND RANKED BY HIGHEST SCORE AS FOLLOWS:

1. TOWERS WHICH HAVE NO VIOLATIONS ARE IN THE FIRST RANK.
2. TOWERS WHICH DO NOT MEET ALL CONSTRUCTION PARAMETERS ARE IN THE SECOND RANK.
3. TOWERS WITH COMPETITION VIOLATIONS ARE IN THE THIRD RANK.
4. TOWERS WHICH CANNOT BE LOADED ARE IN THE FOURTH RANK BY LIGHTEST MASS

SCORE = LOAD*(TOWER HEIGHT−n)/TOWER MASS [LOAD IN kg, HEIGHT IN cm, MASS IN g]
VALUE OF n = 5 AT REGIONALS, 15 AT STATES, 25 AT NATIONALS
FIRST TIE BREAKER IS LOWER TOWER MASS, SECOND TIE BREAKER IS TALLER TOWER