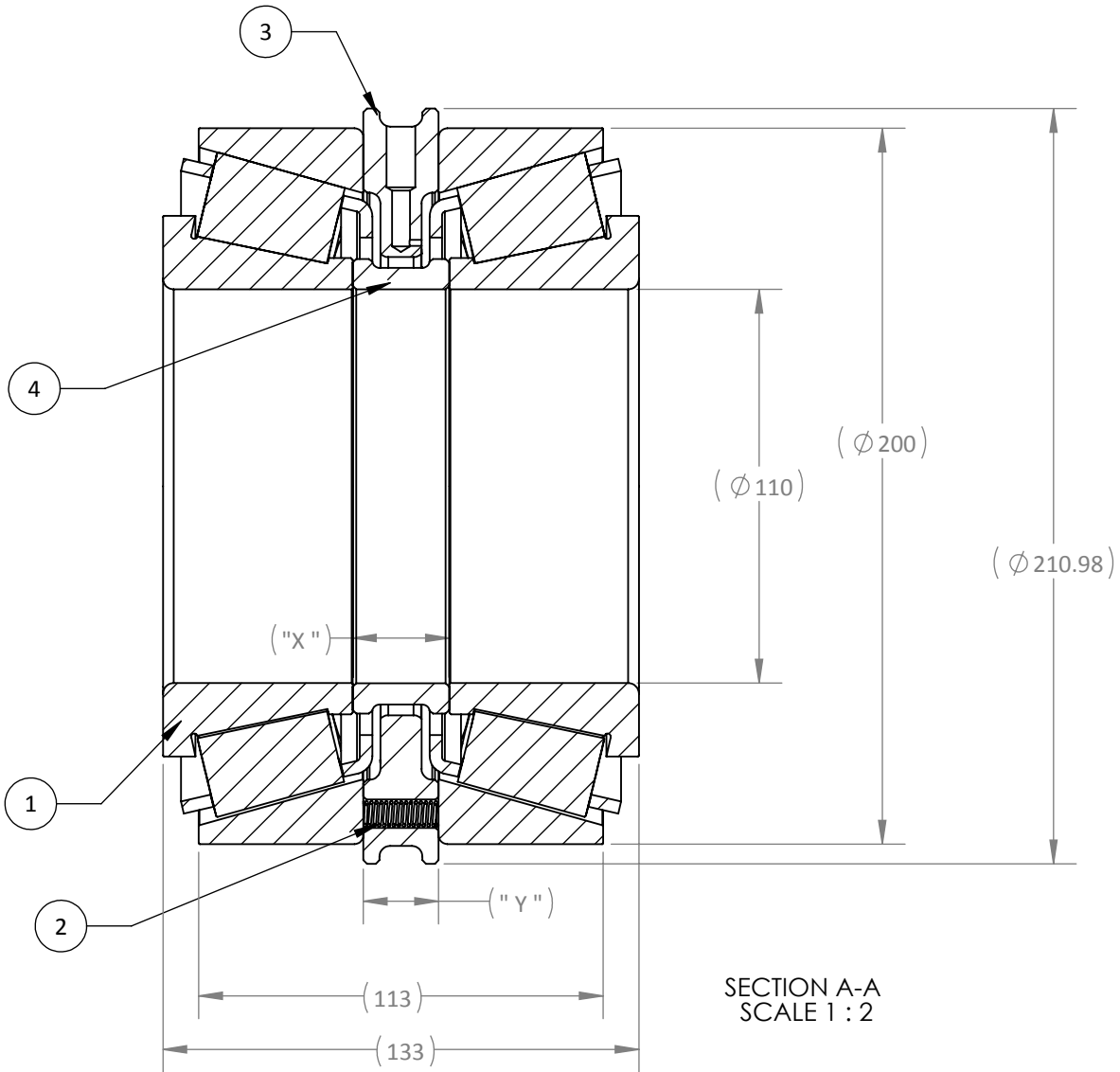


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	93228	BEARING, SINGLE TAPER ROLLER, 110 ID	2
2	98222	SPRING, COMPRESSION, 7.1 x 33 mm	12
3	254516	BEARING SPACER, UPPER HSS	1
4	254556	BEARING SPACER, INNER HSS	1



NOTES:

- TIMKEN TO SIZE WIDTH OF SPACERS #3 & #4 FOR "X" & "Y" REQUIREMENTS PER TIMKEN DRAWING B-171377
- TIMKEN MAY SIZE OD & ID OF SPACER #4 TO BEARING REQUIREMENTS

REV	CHANGED FROM	BY	DATE	APRD
A	PRE-RELEASE	CPS	3/11/13	
B	CHANGES PER 1509-DDS-018-A03. RELEASE FOR PRODUCTION	CPS	4/18/13	
C	REPAIR DANGLING DIMENSION LEADERS	JMG	10/18/13	
D	CHANGES REQUESTED PER MANUFACTURER DRW REVIEW	CPG	12/14/13	

REPORT ERRORS & CHANGES REMOVE ALL BURRS AND SHARP EDGES DIMENSIONS ARE IN MILLIMETERS. UNSPECIFIED TOLERANCES: DECIMALS: FINISH: ANGLES:			
X. ±1.0 .X ±0.5 .XX ±0.25	6.3 √ μm Ra	≤ ± 0.5°	
COPYRIGHT © NOT TO BE REPRODUCED OR USED TO MAKE OTHER DRAWINGS OR MACHINERY			
DRAWN	CPS	DATE: 3/11/13	
CHECKED	NJB	THIRD ANGLE PRJ	

National Renewable Energy Laboratory			
TITLE: BEARING ASSEMBLY, HS SHAFT			
SIZE B	DWG. NO. 254623	REV D	
SCALE: 1:5	WEIGHT: 4.88 kgs	SHEET 1 OF 1	