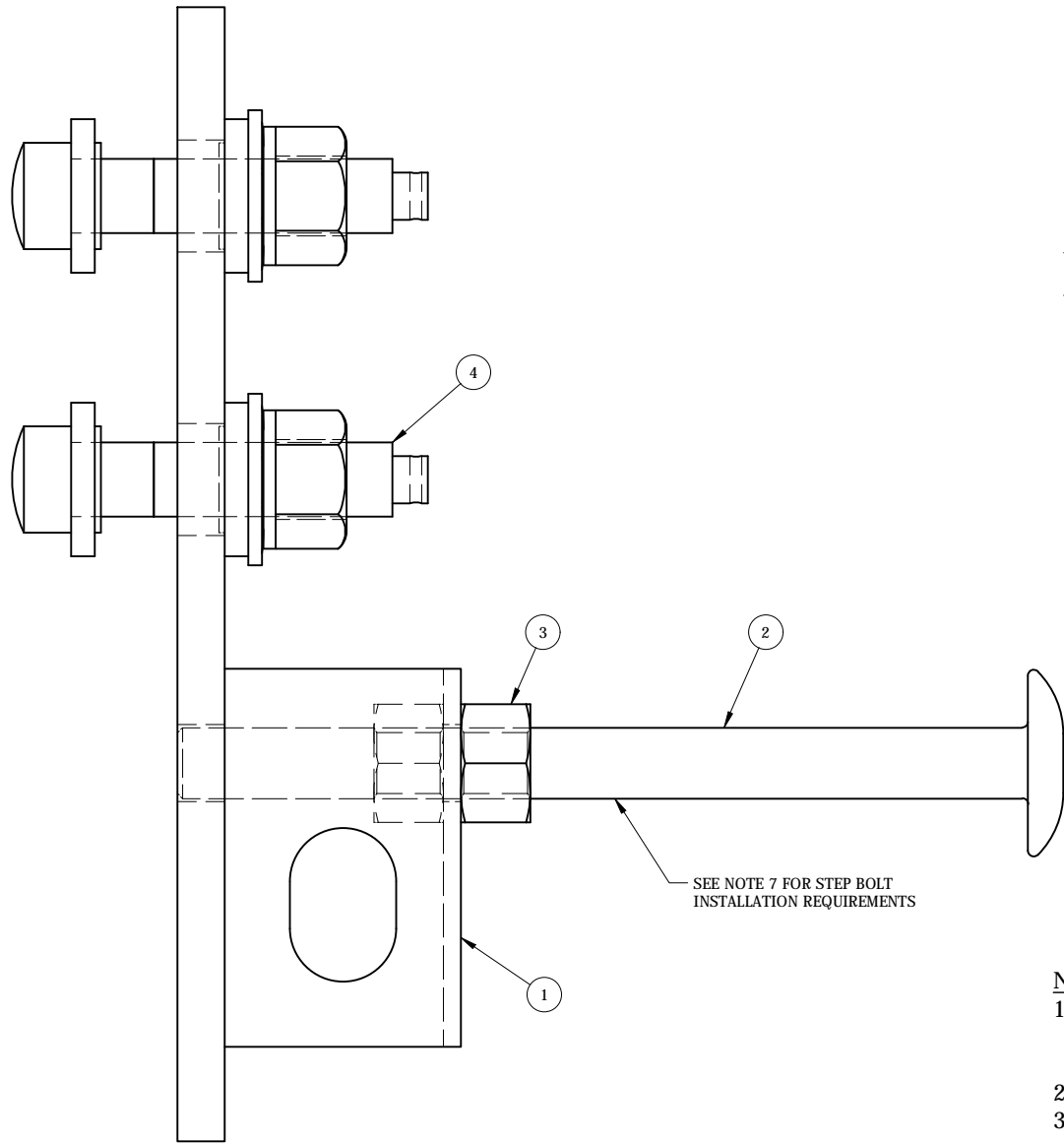
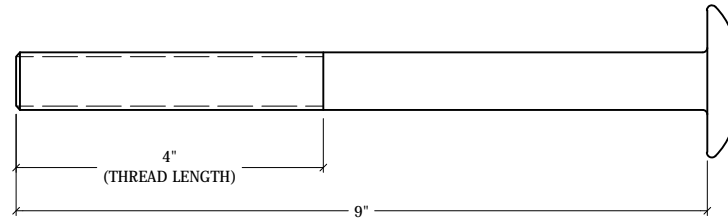


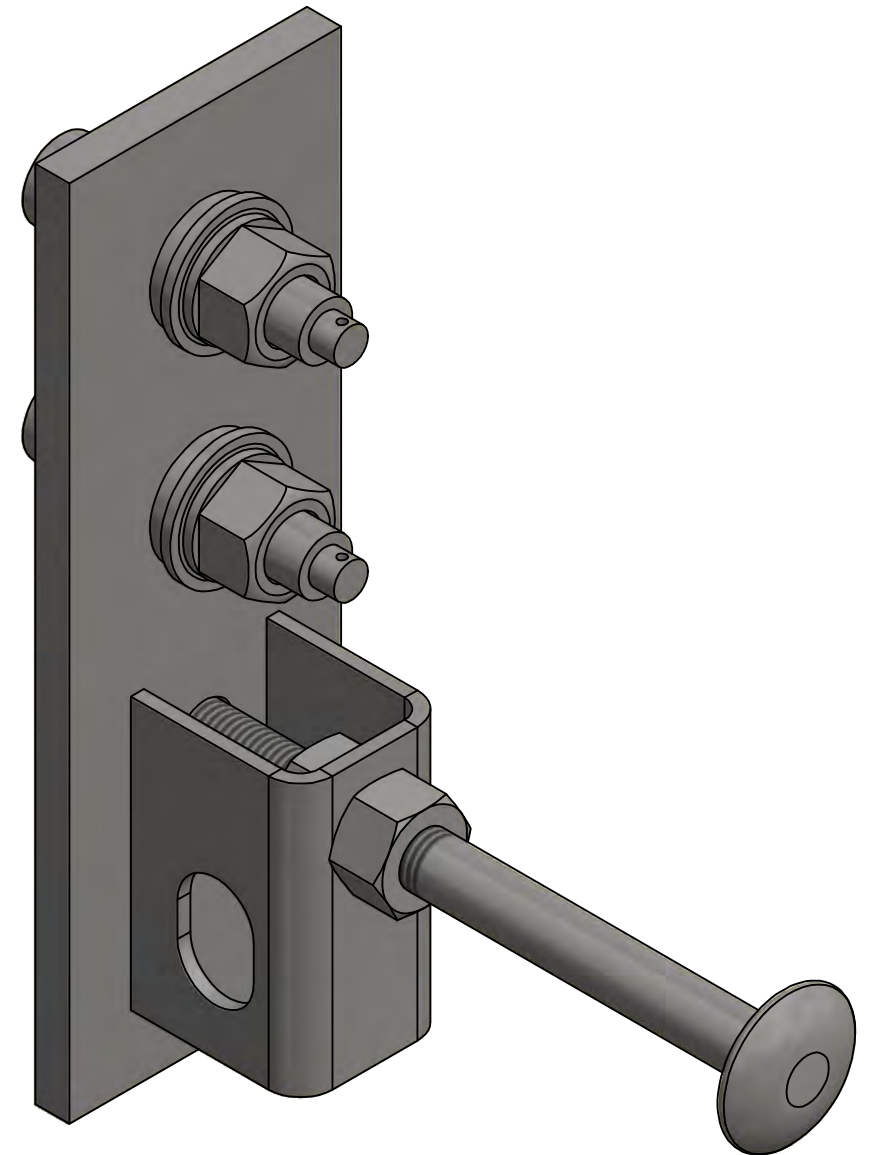
REV	BY	DESCRIPTION	DATE
D	WJ	SEE MODEL I PROPERTIES/COMMENTS.	1/17/2020



ASSEMBLY - SIDE VIEW



STEP BOLT DETAIL



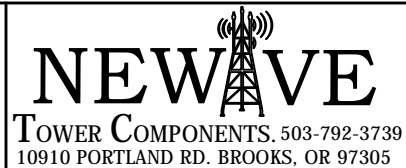
ISO VIEW

NOTES:

- STEP BOLT CLIP WELDS ARE SUBJECT TO AWS D1.1 AND MUST BE INSPECTED BY A CWI. REFER TO DOCUMENT "ENG-STD-10069 GC CWI REQUIREMENTS STANDARD" FOR CWI REQUIREMENTS.
- STEP BOLT CLIPS SHALL BE SHOP WELDED.
- STEP BOLT CLIPS SHALL BE WELDED IN PLACE PRIOR TO HOT DIP GALVANIZING THE WELDMENT.
- STEP BOLT CLIP AND PLATE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
- CONTRACTOR SHALL USE ALL NEW STEP BOLTS AND HARDWARE.
- PLATE AND CLIP BOLT HOLES SHALL BE SHOP DRILLED OR PUNCHED.
- STEP BOLTS SHALL BE INSTALLED USING DOUBLE NUTS. A STEP BOLT INSTALLED IN A STEP BOLT CLIP SHALL BE TURNED WITH THE OUTER NUT LOOSE UNTIL THE END OF THE STEP BOLT FULLY PENETRATES THE 1/2" PLATE AND MAKES CONTACT WITH THE EXISTING MONOPOLE SHAFT. THE OUTER STEP BOLT NUT SHALL THEN BE TIGHTENED TO A SNUG TIGHT CONDITION AND PRETENSIONED BY ROTATING THE OUTER NUT AN ADDITIONAL 1/3 TURN.
- BLIND FASTENERS MUST BE INSTALLED AND INSPECTED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.

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STANDARD TOLERANCES:
(UNLESS OTHERWISE NOTED)
FRACTIONS - 1/16"
DECIMALS - 0.01"
ANGLES - 0.5°



TOTAL WT: 12.05 LB
QTY:
FINISH:
JOB #:

ITEM	PART #	QTY	DESCRIPTION	LENGTH	FINISH	UNIT WT
1	SBB-B034.01	1	STEP BOLT BRACKET WELDMENT		HDG	7.61
2	STB34-9	1	3/4" x 9" A449 HDG STEP BOLT			1.36
3	27-5500-005	2	3/4 HDG A563-DH HEAVY HEX NUT			0.21
4	2NG2032	2	2NG2032		MAGNI	1.33

TITLE: STEP BOLT BRACKET ASSEMBLY			DRAWN BY: WJ	DATE: 1/16/2020	CHK'D BY: TJD
SERIES: CROWN CASTLE			DRAWING NO. SBB-B034		SHEET: 1 OF 1