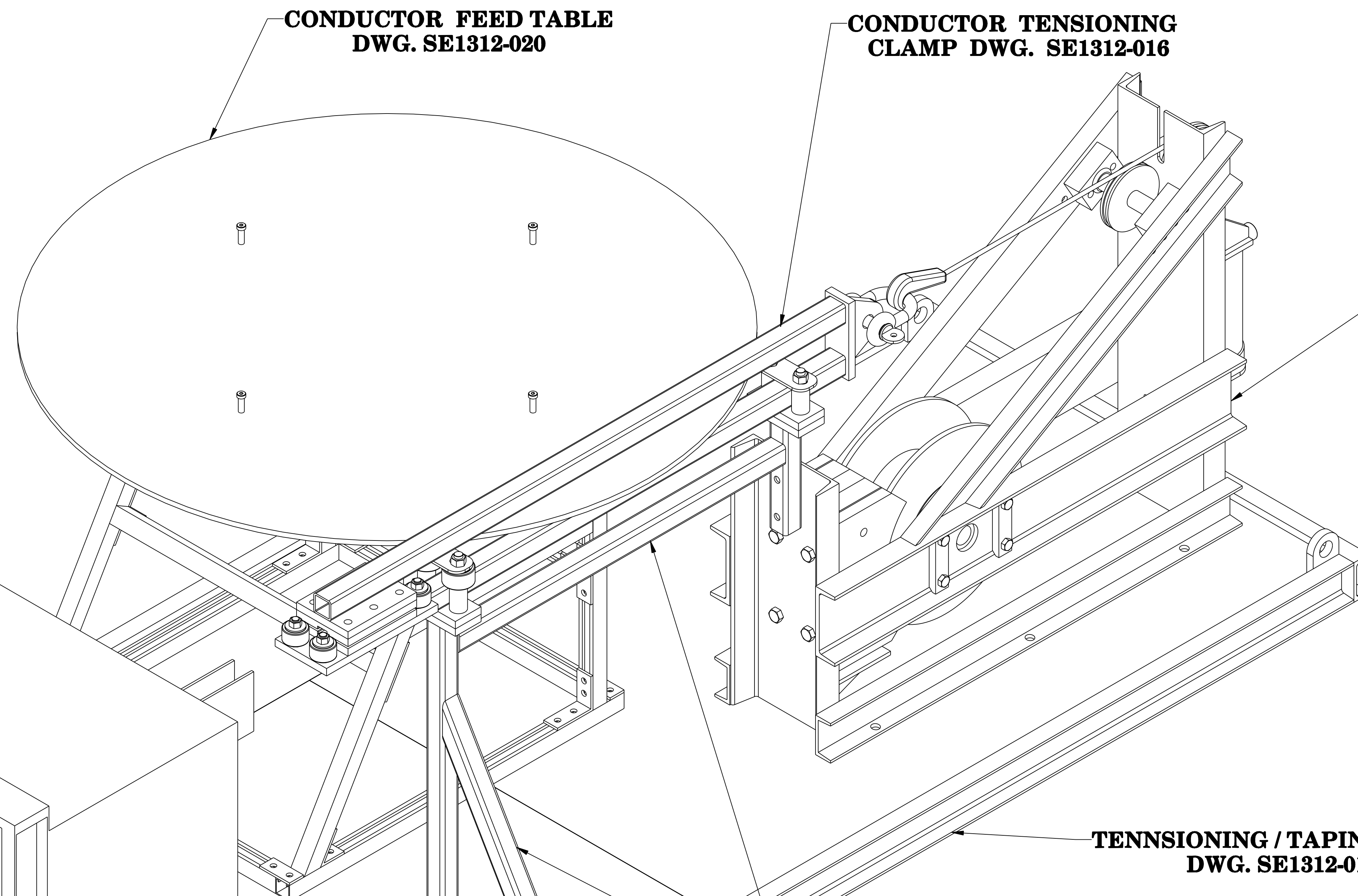


NO.	REVISION	BY	CH	SUP	APPROVED	DATE

TF COIL WINDING CONDUCTOR LENGTHS

LINEAR LENGTH PER TURN = 365.5"
 3 TURNS PER LAYER / PANCAKE
 365.5 X 3 = 1096.5"
 4 LAYERS PER COIL
 1096.5 X 4 = 4386"
 4386" / 12 = 365.5' / coil

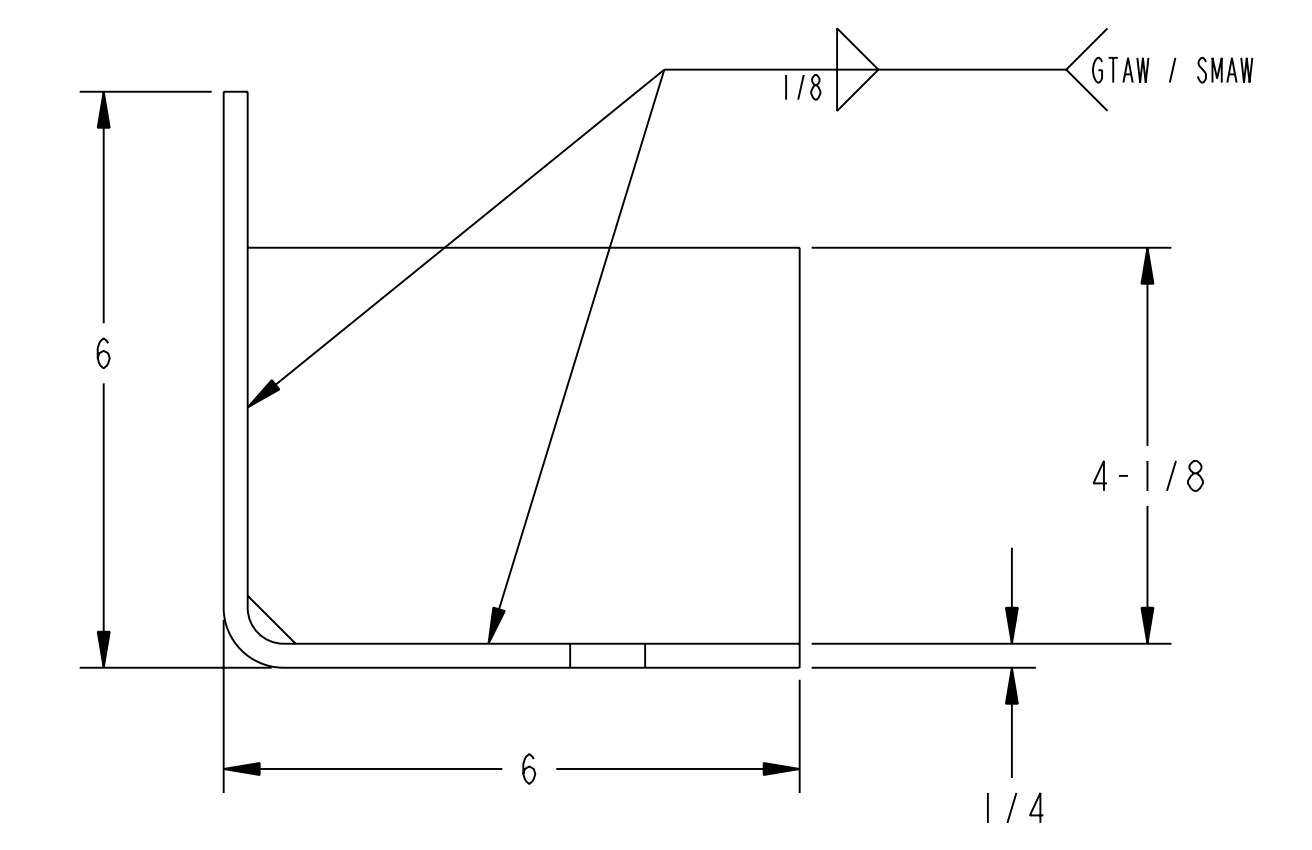
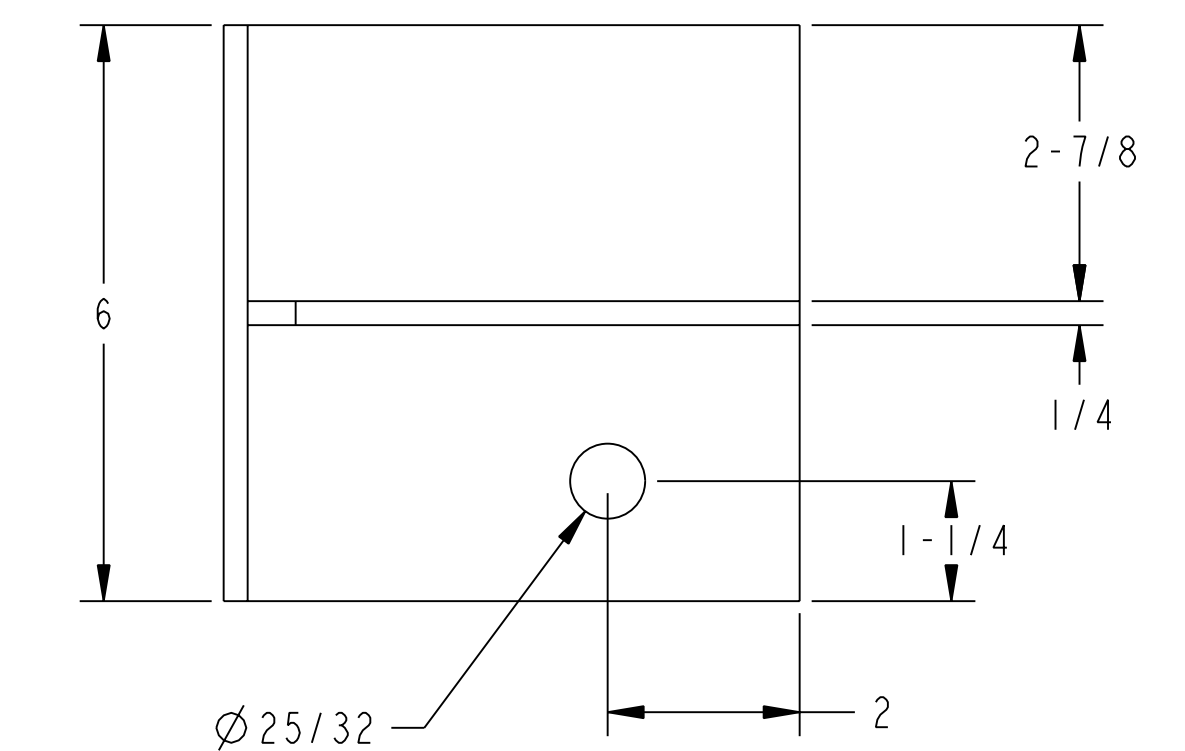


**TENSIONING REEL
DWG. SE1312-014**

**TENSIONING / TAPING TABLE
DWG. SE1312-017**

**TENSIONING CLAMP GUIDE
DWG. SE1312-015**

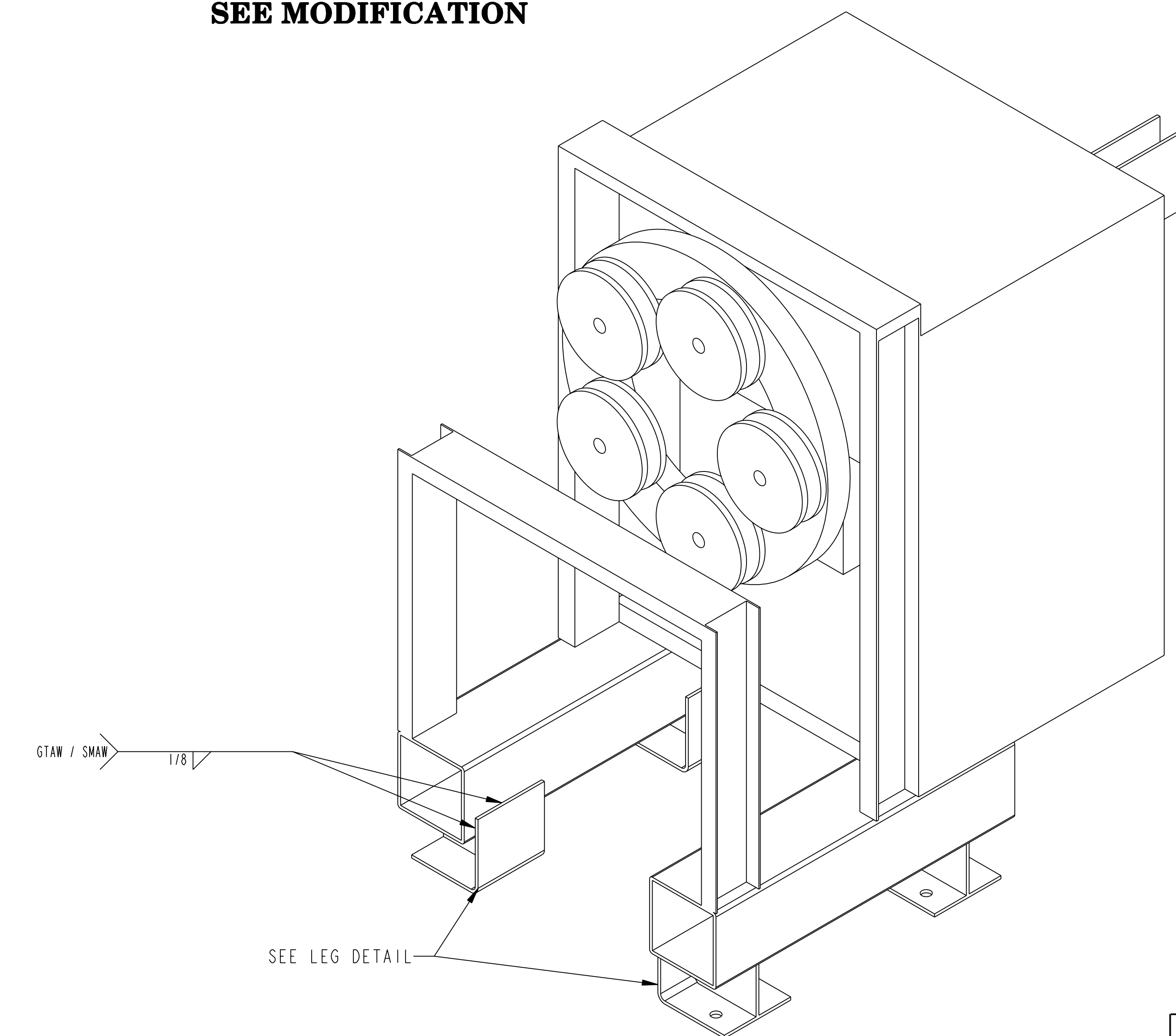
**EXISTING TAPE MACHINE
SEE MODIFICATION**



**LEG DETAIL
NO. REQ'D= 4
MAT'L= CS**

**RELEASED FOR
FABRICATION / INSTALLATION**
PPPL Drafting:

**ISOMETRIC VIEW
GENERAL ARRANGEMENT OF TENSIONING
AND TAPING TABLE**



**EXISTING TAPE MACHINE
MODIFICATION**

NOTES:

1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE NO. ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1, 6.9.
2. MOUNTING OF EQUIPMENT TO BE BOLTED OR WELDED AS DECIDED BY INSTALLER

WEIGHT
9123.6 lbs

MODEL NAME
SE1312-010

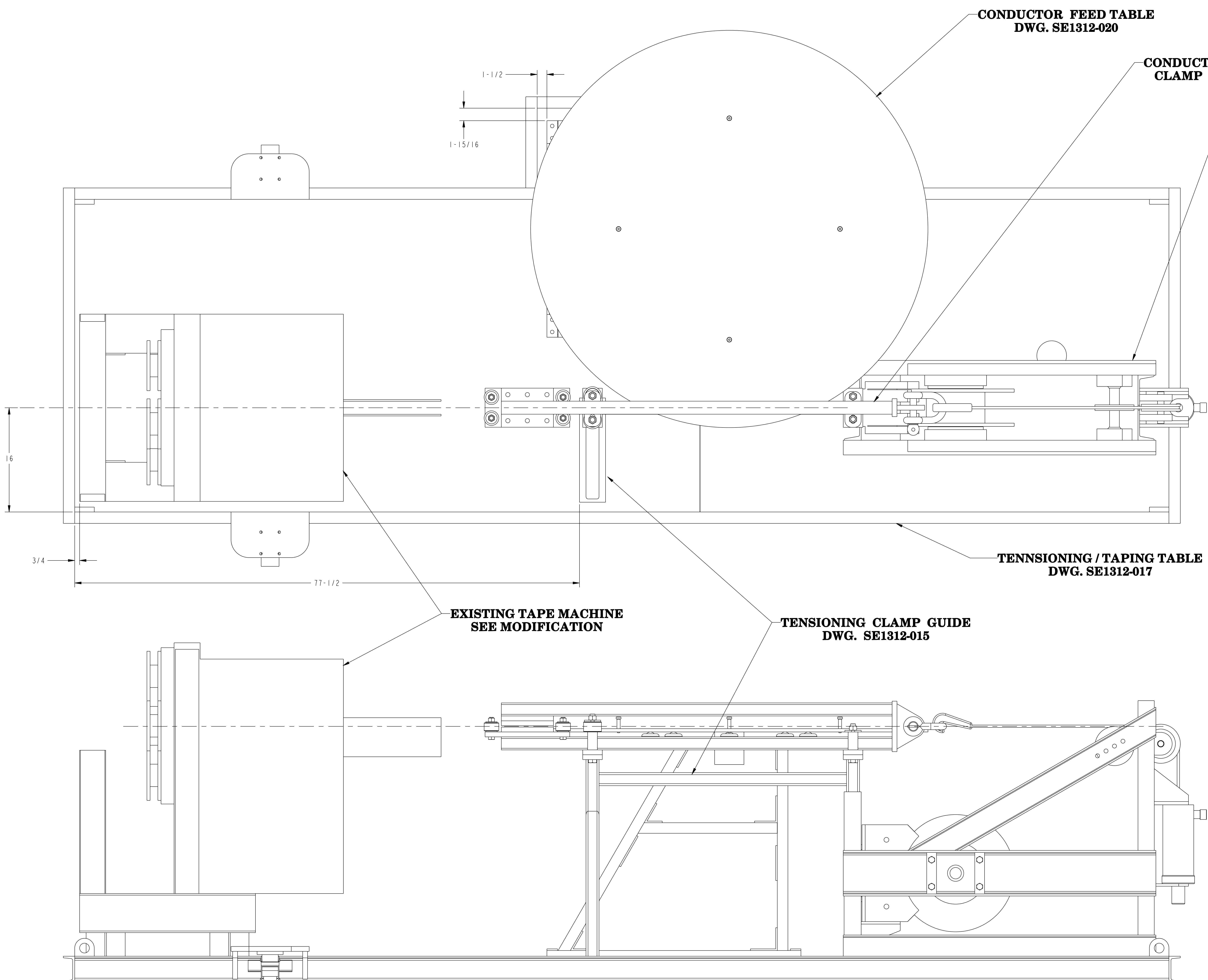
RELEASE LEVEL: Fabrication
DWG VERSION NO: 7

WELDING ENGINEER
L. DUDEK

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT TF COIL WINDING FACILITY GENERAL ARRANGEMENT OF TAPING AND TENSIONING TABLE	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES NON-CUMULATIVE	DSN: B. PAUL 8/25/05	DRAWING NO:
NEXT ASSEMBLY	DECIMAL-INCH FRACTIONS .X +/- .000 0°-12° +/- .010 .XX +/- .000 12°-72° +/- .010 .XXX +/- .005 72°-120° +/- .010 ANGULAR +/- 0°-15° OVER 120° +/- .10°	CHK: L. DUDEK 8/25/05	ENGR: J. CHRZANOWSKI 8/25/05
		SUPV: J. SIEGEL 8/25/05	REV 0

NCSX-SE1312-010

NO.	REVISION	BY	CH	SUP	APPROVED	DATE



**RELEASED FOR
FABRICATION / INSTALLATION**
 PPPL Drafting:

**GENERAL ARRANGMENT OF TENNSIONING
AND TAPING TABLE**

RELEASE LEVEL: Fabrication
DWG VERSION NO: 7

WEIGHT	9123.6 lbs
MODEL NAME	SE1312-010
WELDING ENGINEER	L. DUDER

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT
DO NOT VERIFY INFORMATION BY SCALING DRAWING	BREAK SHARP EDGES .005/.020	TF COIL WINDING FACILITY GENERAL ARRANGMENT OF TAPING AND TENSIONING TABLE
NEXT ASSEMBLY	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS	DSN: B. PAUL 8/25/05 DRAWING NO: CHK: L. DUDER 8/25/05 SE1312-010
	.XX +/- .030 0°-120° +/- .016 .XXX +/- .005 120°-120° +/- .014 ANGULAR +/- .0°-15° OVER 120° +/- .172	ENGR: J. CHRZANOWSKI 8/25/05 SUPV: J. SIEGEL 8/25/05 SHEET 2 OF 2 REV 0

NCSX-SEI 1312-010