

REV.	ECO/DDC	DESCRIPTION	DATE	DRAFT	CHECK	APV'D
A	----	RELEASED.	10-17-14	V.J.C.	N.H.S.	E.J.
B	12088	REVISED PER ECN.	11-18-19	V.J.C.	L.E.G.	V.J.C.

6. SEE SHEETS 2 AND 3 FOR ADDITIONAL INFORMATION.

5 CABLE LENGTH ORIGINATES AT THE CABLE EXIT POINT ON THE LOAD SENSOR.

4 LOAD CELL WIRE COLOR CODE:

EXCITATION +	GREEN
EXCITATION -	BLACK
SENSE +	BLUE
SENSE -	BROWN
SIGNAL +	RED
SIGNAL -	WHITE
SHIELD	BARE

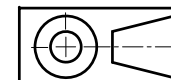
3 SCALE CABLE WIRE ENDS ARE STRIPPED BACK APPROXIMATELY 0.5 INCHES AND TINNED.  
SCALE CABLE JACKET IS STRIPPED BACK APPROXIMATELY 2-3 INCHES.


2. THIS DRAWING IS SUBJECT TO CHANGE WITHOUT NOTICE.

1. RATED OUTPUT: 2.000 ±0.2mV/V.

**NOTES: UNLESS OTHERWISE SPECIFIED**

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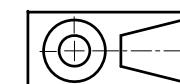
ITEM	QTY	PART NUMBER	DESCRIPTION	COMMENTS
		0588-0156	OUTLINE DRAWING, BS300 SERIES BENCH SCALES	
<b>PARTS LIST</b>				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: N/A DECIMALS: .XX = ±.03 .XXX = ±.010 ANGLES: ±0°, 30'		CONTRACT NO.		  <b>OUTLINE DRAWING, BS300 SERIES BENCH SCALES</b>
MATERIAL		APPROVALS		
		DRAWN V. CHULA	DATE 10-15-14	
FINISH		CHECKED N. SCHERRER	DATE 10-16-14	
		APPROVED E. JAMES	DATE 10-17-14	
DO NOT SCALE DRAWING		ISSUED V. CHULA	DATE 10-17-14	
		PRODUCTION	DATE	
SIZE	FSCM	DRAWING NO.	REV.	
D	21316	0588-0156	B	
FILE NAME: 588156B1.DWG		SCALE: NONE	SHEET 1 OF 3	

**MODEL NUMBER CONFIGURATION CHART**

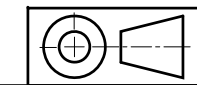
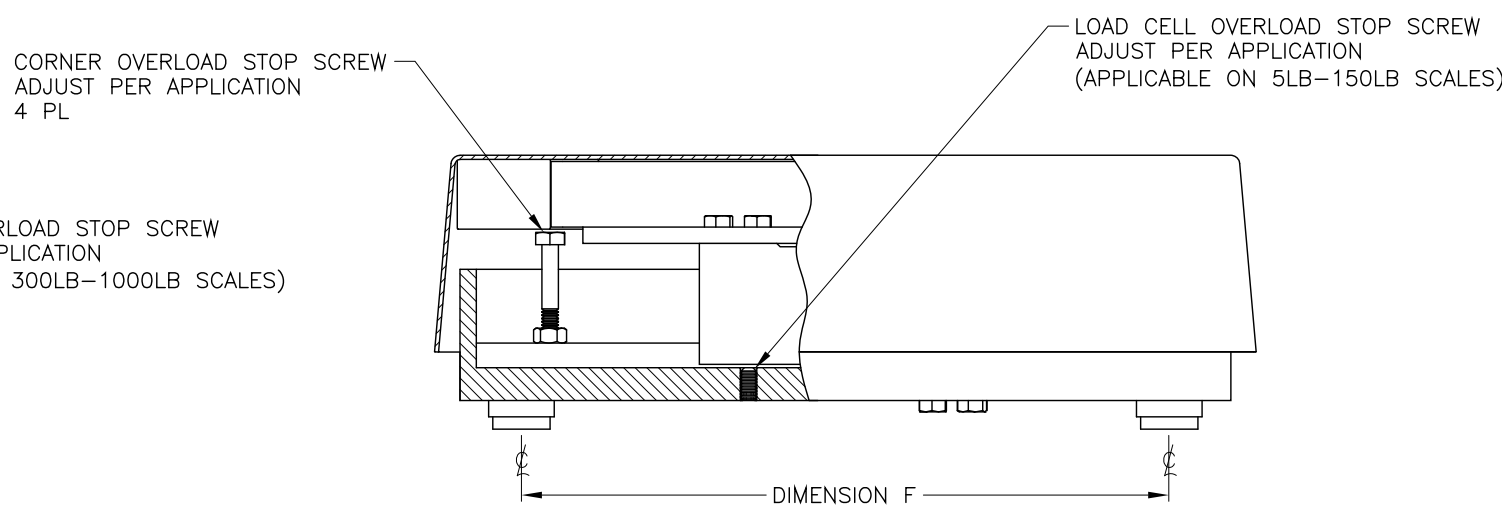
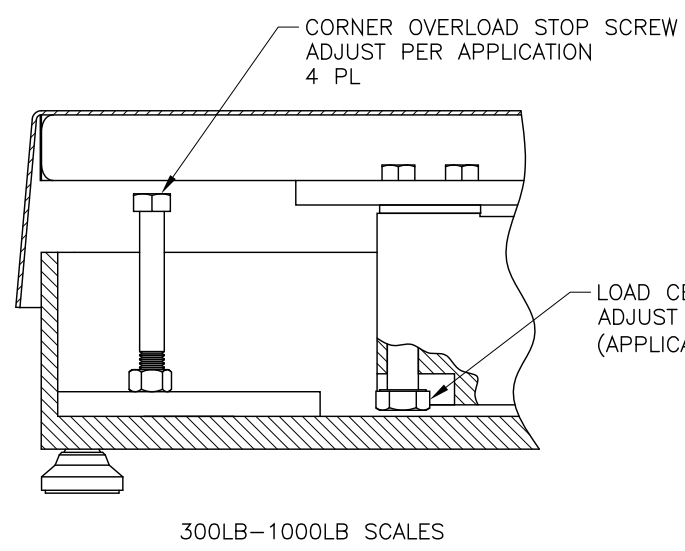
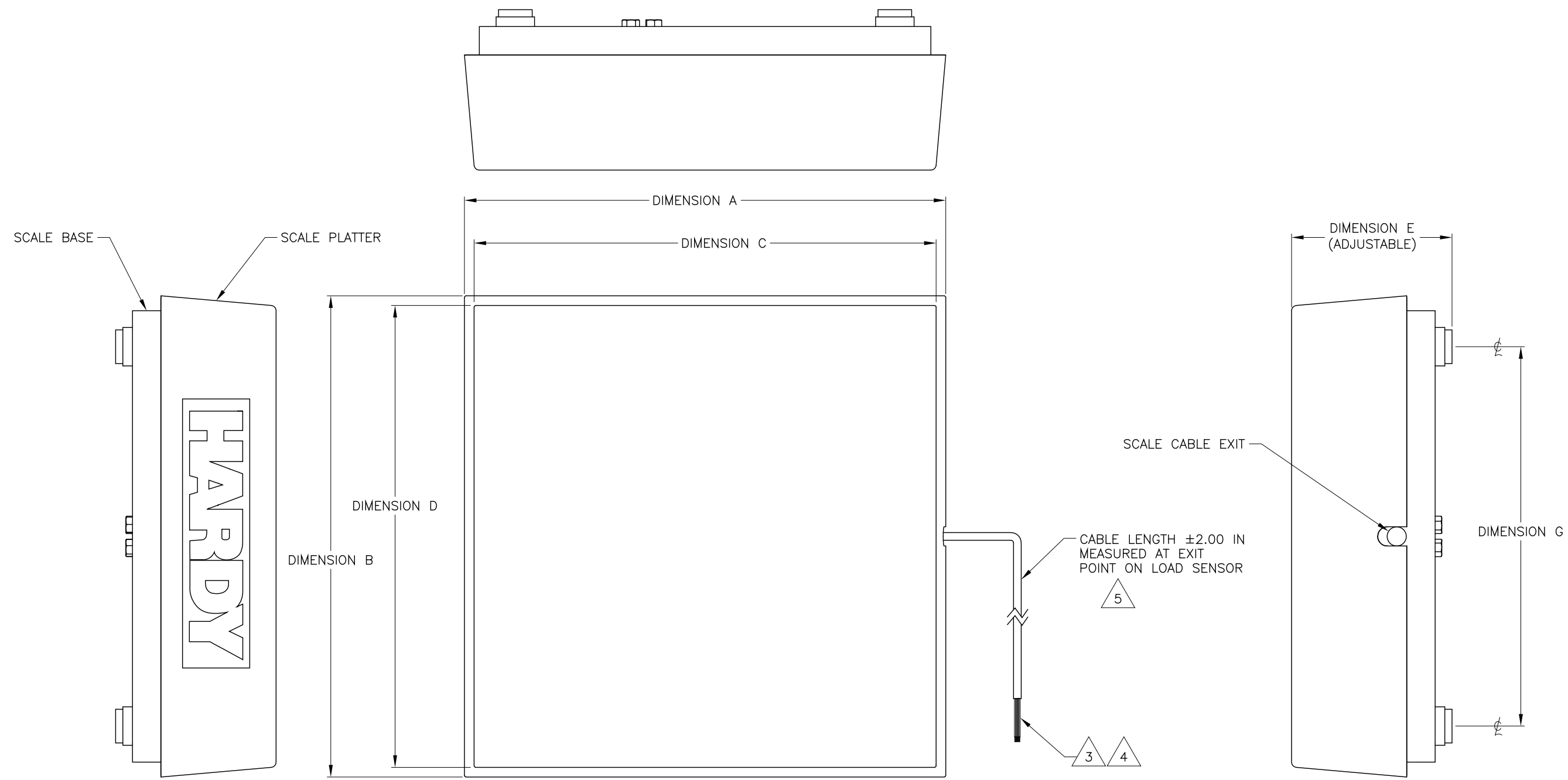
MODEL NUMBER	CAPACITY	SCALE MATERIAL	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E (ADJUSTABLE)	DIMENSION F	DIMENSION G	CABLE LENGTH
HIBS300-1212-5LB	5 LBS	STAINLESS STEEL	12.53 IN	12.53 IN	12 IN NOMINAL	12 IN NOMINAL	4.00 IN – 4.75 IN	9.88 IN	9.88 IN	10 FT [3M]
HIBS300-1212-25LB	25 LBS	STAINLESS STEEL	12.53 IN	12.53 IN	12 IN NOMINAL	12 IN NOMINAL	4.00 IN – 4.75 IN	9.88 IN	9.88 IN	10 FT [3M]
HIBS300-1212-50LB	50 LBS	STAINLESS STEEL	12.53 IN	12.53 IN	12 IN NOMINAL	12 IN NOMINAL	4.00 IN – 4.75 IN	9.88 IN	9.88 IN	10 FT [3M]
HIBS300-1212-150LB	150 LBS	STAINLESS STEEL	12.53 IN	12.53 IN	12 IN NOMINAL	12 IN NOMINAL	4.00 IN – 4.75 IN	9.88 IN	9.88 IN	10 FT [3M]
HIBS300-1818-50LB	50 LBS	STAINLESS STEEL	18.53 IN	18.53 IN	18 IN NOMINAL	18 IN NOMINAL	4.00 IN – 4.75 IN	15.88 IN	15.88 IN	10 FT [3M]
HIBS300-1818-150LB	150 LBS	STAINLESS STEEL	18.53 IN	18.53 IN	18 IN NOMINAL	18 IN NOMINAL	4.00 IN – 4.75 IN	15.88 IN	15.88 IN	10 FT [3M]
HIBS300-1818-300LB	300 LBS	STAINLESS STEEL	18.53 IN	18.53 IN	18 IN NOMINAL	18 IN NOMINAL	4.00 IN – 4.75 IN	15.88 IN	15.88 IN	10 FT [3M]
HIBS300-1818-500LB	500 LBS	STAINLESS STEEL	18.53 IN	18.53 IN	18 IN NOMINAL	18 IN NOMINAL	5.50 IN – 6.50 IN	16.50 IN	16.50 IN	10 FT [3M]
HIBS300-2424-50LB	50 LBS	STAINLESS STEEL	24.53 IN	24.53 IN	24 IN NOMINAL	24 IN NOMINAL	5.50 IN – 6.50 IN	20.38 IN	20.38 IN	10 FT [3M]
HIBS300-2424-150LB	150 LBS	STAINLESS STEEL	24.53 IN	24.53 IN	24 IN NOMINAL	24 IN NOMINAL	5.50 IN – 6.50 IN	20.38 IN	20.38 IN	10 FT [3M]
HIBS300-2424-300LB	300 LBS	STAINLESS STEEL	24.53 IN	24.53 IN	24 IN NOMINAL	24 IN NOMINAL	5.50 IN – 6.50 IN	20.38 IN	20.38 IN	10 FT [3M]
HIBS300-2424-500LB	500 LBS	STAINLESS STEEL	24.53 IN	24.53 IN	24 IN NOMINAL	24 IN NOMINAL	5.50 IN – 6.50 IN	20.38 IN	20.38 IN	10 FT [3M]
HIBS300-2424-1000LB	1000 LBS	STAINLESS STEEL	24.53 IN	24.53 IN	24 IN NOMINAL	24 IN NOMINAL	5.50 IN – 6.50 IN	20.38 IN	20.38 IN	10 FT [3M]

5

Maximum capacity ( $E_{max}$ )	Pounds	5, 25, 50, 150, 300, 500, 1000
Rated Output (R.O.) at Rated Capacity	mV/V	2.000
Rated Output tolerance	mV/V	±0.200
Zero balance	mV/V	0.200
Zero return (30 minutes)	%R.O.	5-150LB: 0.025; 300-1000LB: 0.033
Total error	%R.O.	0.020
Temperature effect on zero	%R.O./°C	≤ ±0.0023
Temperature effect on output	%R.O./°C	≤ ±0.0010
Eccentric loading error	%R.O./cm	5-150LB: ≤ ±0.0033; 300-1000LB: ≤ ±0.0049
Excitation Voltage ( $V_{max}$ )	V	5-15
Input resistance	Ω	415 ±20
Output resistance	Ω	350 ±3
Insulation resistance (@ 100VDC)	MΩ	≥ 2000
Compensated temperature range	°C	-10 to +40
Operating temperature range	°C	-20 to +70
Overload	% $E_{max}$	300
End loading	% $E_{max}$	100
Corner loading	% $E_{max}$	100



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FILE NAME: 588156B1.DWG		SCALE: NONE	SHEET 3 OF 3