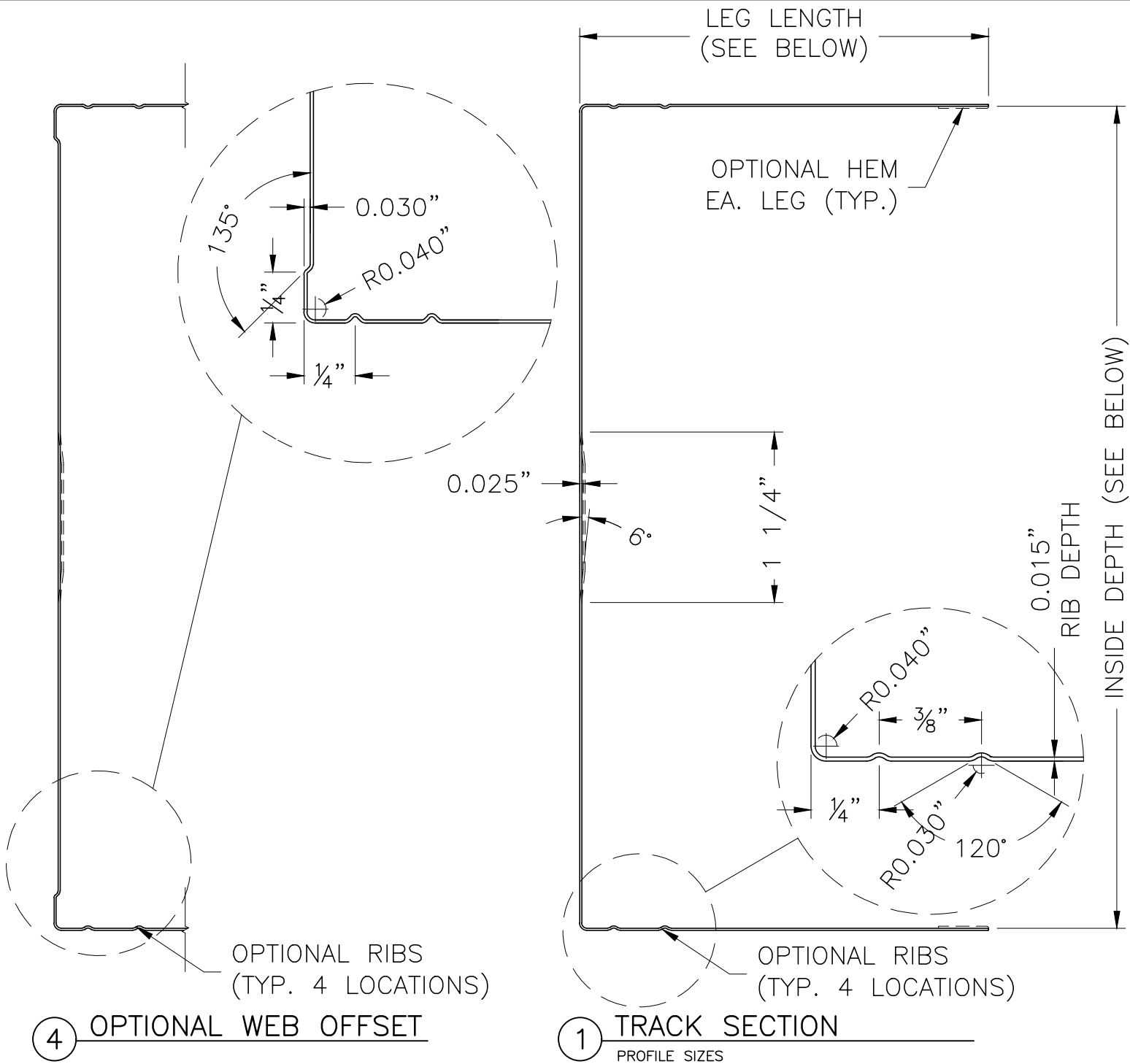


May 14, 2018 - 11:22am C:\Users\mryurym\Box Sync\Projects\Folder\BIM-Product Renderings - New images\ProSTUD Part Drawings & Renderings\ProSTUD Part Drawings\CDBS_ProSTUD-Track Drawing mam 2018-05-14.dwg



NOMINAL DEPTH	MIN. INSIDE DEPTH	MIN. INSIDE DEPTH	MATERIAL THICKNESS (MILS)	DESIGN THICKNESS (IN)	MIN. UNCOATED THICKNESS	MIN. YIELD STRENGTH	INSIDE RADII (U.N.O.)	COLOR
1-5/8"	1-5/8"	1.63"	15mils	0.0158"	0.0150"	50 KSI	0.0400"	DARK GRAY
2-1/2"	2-1/2"	2.50"	18mils	0.0190"	0.0181"	50 KSI	0.0400"	BROWN
3-1/2"	3-1/2"	3.50"	19mils	0.0200"	0.0190"	50 KSI	0.0400"	BROWN
3-5/8"	3-5/8"	3.63"	22mils	0.0232"	0.0220"	50 KSI	0.0400"	NO COLOR
4"	4"	4.00"	30mils	0.0312"	0.0296"	33 KSI	0.0400"	PINK
5-1/2"	5-1/2"	5.50"	33mils	0.0346"	0.0329"	33 KSI	0.0400"	WHITE
6"	6"	6.00"						

NOTES:
1) MATERIAL: ASTM A1003 TYPE NS
Fy = 50ksi min. for 15 thru 22mil,
33ksi min. for 30mil and 33mil
2) CORROSION PROTECTION: PER AISI S220-15
3) ALL TOLERANCES MEASUREMENTS SHALL BE TAKEN NOT LESS THAN 1 FT. FROM THE END OF MEMBER

MANUFACTURING TOLERANCES PER: AISI S220-11 AND ASTM C645-13, SECTION 10 - IBC 2015 AISI S220-15 - IBC 2018		
NOMINAL LEG LENGTH	MIN. LEG LENGTH	MIN. LEG LENGTH
1"	15/16"	0.94"
1-1/4"	1-3/16"	1.19"
1-1/2"	1-7/16"	1.44"
2"	1-15/16"	1.94"
2-1/2"	2-7/16"	2.44"
3"	2-15/16"	2.94"

Approvals	
Jim Collins - President and CEO	Date:
John DiPietro - Vice President of Operations	Date:
Terry Westerman - VP of Marketing	Date:
Chad Casbon - Director of Engineering	Date:
Jimmy Rickett - Director of Manufacturing	Date:
Greg Ralph - VP of New Business Development	Date:

Revisions	
10/21/11 MAM - Added 19mils	
03/14/12 MAM - Updates	
05/14/18 MAM - Added 18mil 50ksi	
Drawn By: MAM	Reviewed By: GSR
Date: 10/21/11	Project No.: ProSTUD-T
Sheet Title ProSTUD DRYWALL ProTRAK PROFILES	
Sheet No. ProTRAK	

ProSTUD Drywall Framing
ProTRAK PROFILES

Prepared For:
OPERATIONS
1-5/8" THRU 6" ProSTUD DRYWALL TRACK
15mil THRU 33mil

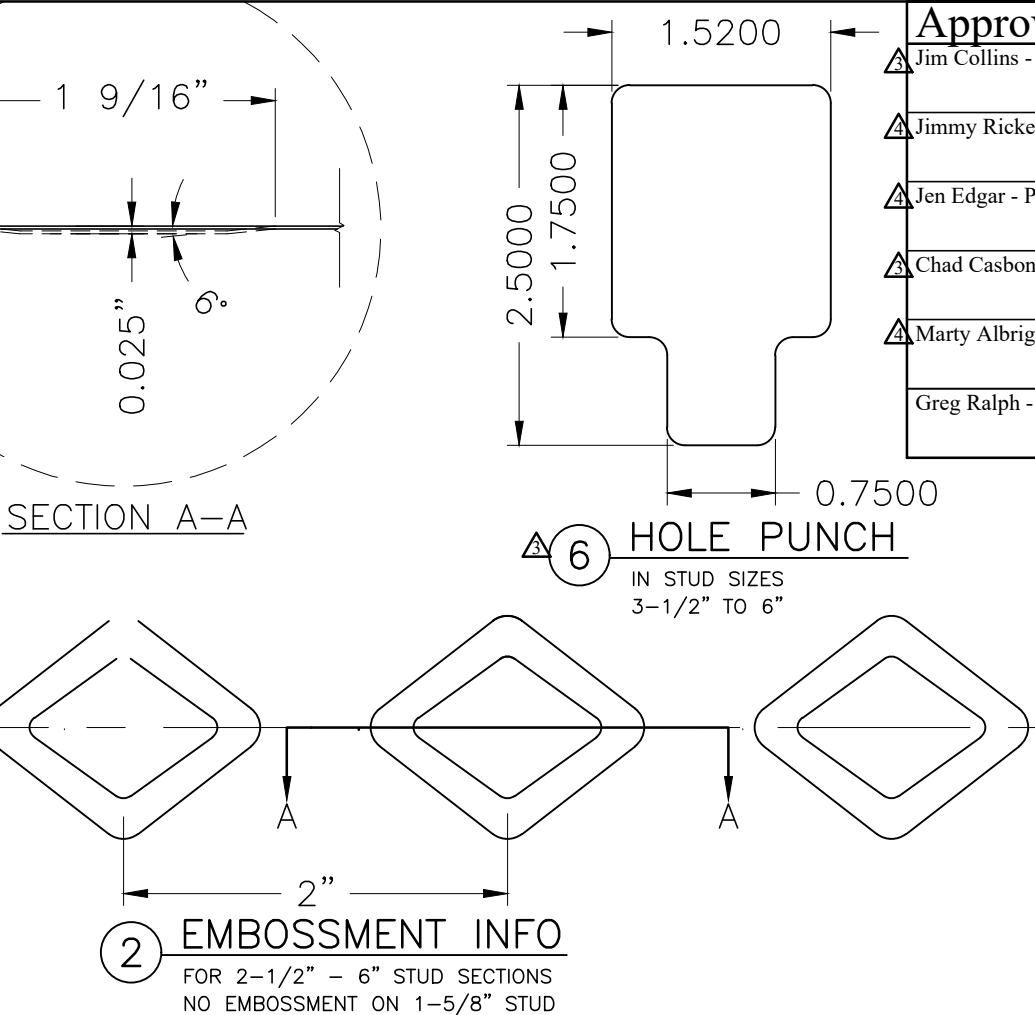
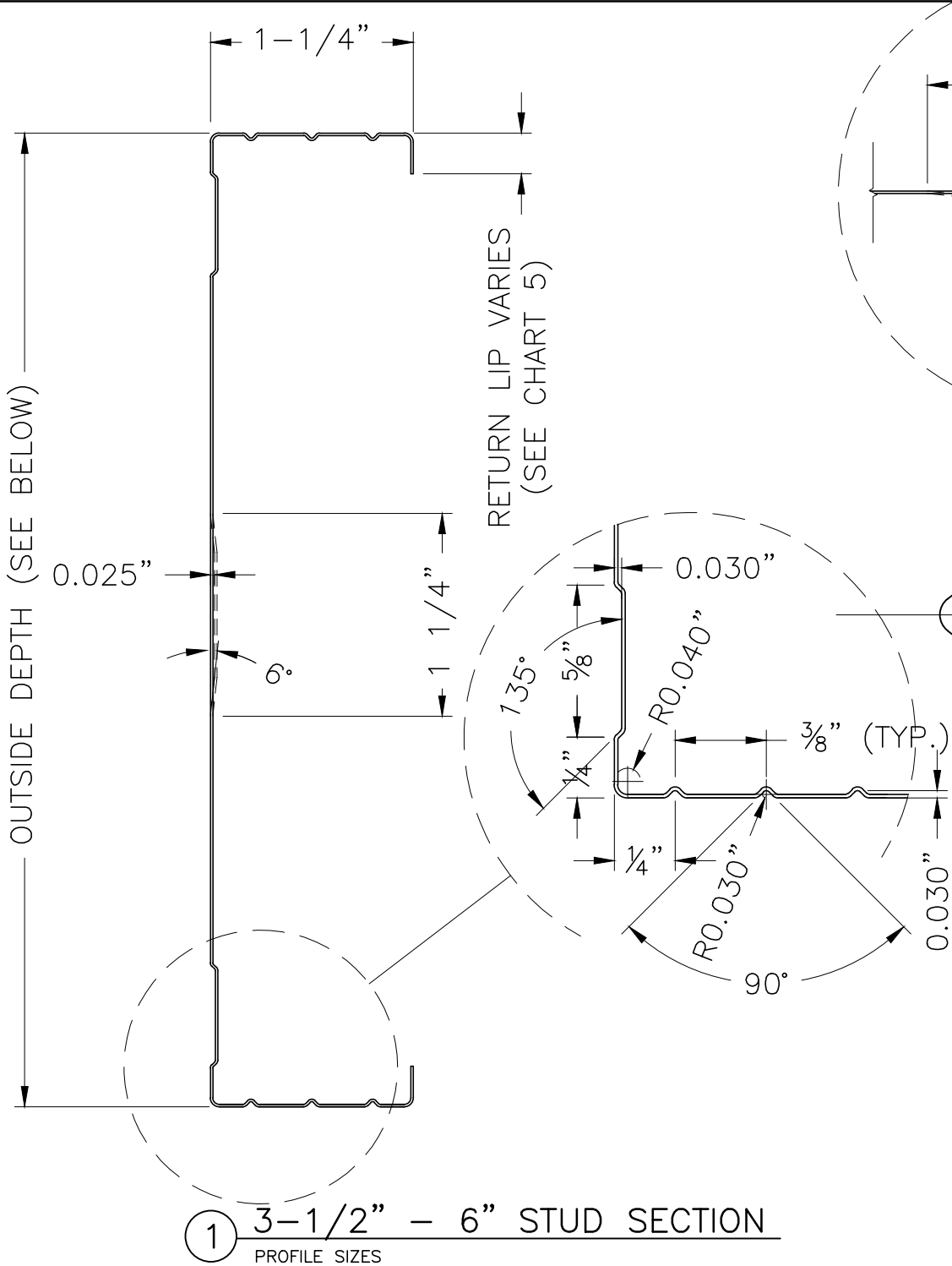
PRIMARY CONTACT: Greg Ralph
PHONE NUMBER: 513-870-1161

DMFCWBS, LLC

9050 Centre Pointe Dr Ste 400
West Chester, OH 45069
Phone: (513) 870-1100
Fax: (513) 870-1300

Copyright © DMFCWBS, LLC 2011.
These documents may not be copied,
reproduced, used or implemented in any way,
in part or in whole, without the written
consent of DMFCWBS, LLC.
All common law rights of copyright are
hereby specifically reserved.

Dec 16, 2019 - 3:59pm C:\Users\tim.hentz\ClarkDietrich\Mike Murzyn - PEC Box\2_ClarKDiEtrich Launched Products\ProSTUD\3 Drawings\Part Drawings\GDBS_ProSTUD-Stud Drawing tjh 2019-12-13.dwg



Approvals		
3	Jim Collins - President and CEO	Date:
4	Jimmy Rickett - Vice President of Operations	Date:
4	Jen Edgar - Product Manager	Date:
4	Chad Casbon - Director of Engineering	Date:
4	Marty Albright - Director of Manufacturing Engineering	Date:
	Greg Ralph - VP of New Business Development	Date:

1 3-1/2" - 6" STUD SECTION		
PROFILE SIZES		
NOMINAL DEPTH	MIN. OUTSIDE DEPTH	MIN. OUTSIDE DEPTH
3-1/2"	3-15/32"	3.47"
3-5/8"	3-19/32"	3.59"
4"	3-31/32"	3.97"
5-1/2"	5-15/32"	5.47"
6"	5-31/32"	5.97"

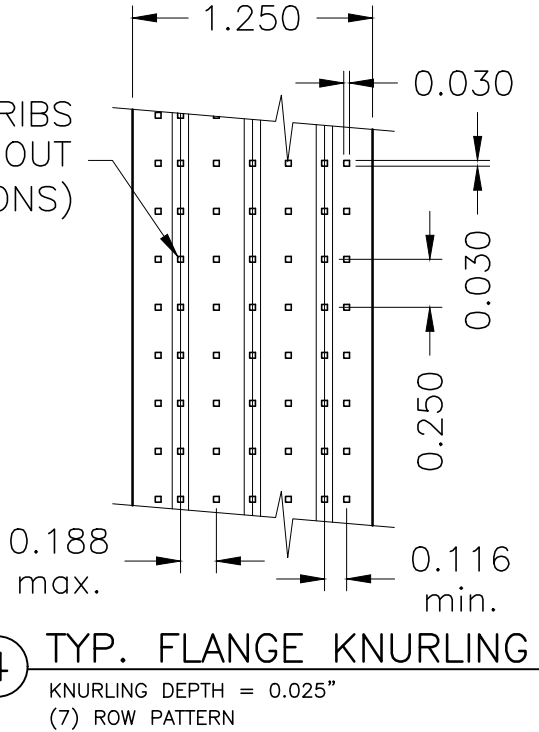
MATERIAL THICKNESS (MILS)	DESIGN THICKNESS (IN)	MIN. UNCOATED THICKNESS	MIN. YIELD STRENGTH	INSIDE RADII (U.N.O.)	COLOR
15mils	0.0158"	0.0150"	50 KSI	0.0400"	DARK GRAY
18mils	0.0190"	0.0181"	70 KSI	0.0400"	BROWN
19mils	0.0200"	0.0190"	65 KSI	0.0400"	BROWN
22mils	0.0232"	0.0220"	57 KSI	0.0400"	NO COLOR
30mils	0.0312"	0.0296"	33 KSI	0.0400"	PINK
33mils	0.0346"	0.0329"	33 KSI	0.0400"	WHITE

3 STUD INFORMATION

PROFILE GEOMETRY & TOLERANCES

- NOTES:
- 1) MATERIAL: ASTM A1003 TYPE NS
- Fy = 50ksi min. for 15mil,
70ksi min. for 18mil,
65ksi min. for 19mil,
57ksi min. for 22mil,
33ksi min. for 30mil and 33mil
- 2) CORROSION PROTECTION: PER AISI S220-15
- 3) ALL TOLERANCES MEASUREMENTS SHALL BE TAKEN NOT LESS THAN 1 FT. FROM THE END OF MEMBER
- 4) STANDARD PUNCHOUTS OCCUR AT A MINIMUM OF 10" FROM END OF MEMBER AND NOT CLOSER THAN 24" o.c. (MAX. WIDTH = 0.5d, MAX. LENGTH = 4.5")

MANUFACTURING TOLERANCES PER:	
AISI S220-11 AND ASTM C645-13, SECTION 10 - IBC 2015	
AISI S220-15 - IBC 2018	
LENGTH:	-1/4, +1/8"
WEB DEPTH:	±1/32"
FLANGE WIDTH:	-1/16", +1/8"
RETURN LIP:	-1/32", +1/8"
EMBOSS & HOLE CENTER WIDTH:	±1/8"
EMBOSS & HOLE CENTER LENGTH:	±1/4"
HOLE PUNCH TOLERANCE:	±1/32"
FLARE IN/OUT:	±1/16"
CROWN:	±1/8"
CAMBER/BOW/TWIST:	1/32" per FT. (1/2" MAX.)
ALL OTHERS:	±1/32" (U.N.O.)



4 TYP. FLANGE KNURLING

KNURLING DEPTH = 0.025"

(7) ROW PATTERN

SECTION	MIN. THICKNESS	RETURN LIP (IN)
162S125	0.0150"	0.250"
250S125		
350S125		
362S125		
400S125		
550S125		
600S125		
162S125	0.0181"	0.275"
250S125		0.315"
350S125		0.325"
362S125		0.325"
400S125		0.340"
550S125		0.360"
600S125		0.386"
162S125	0.0190"	0.265"
250S125		0.300"
350S125		0.315"
362S125		0.315"
400S125		0.330"
550S125		0.350"
600S125		0.360"
162S125	0.0220"	0.280"
250S125		0.315"
350S125		0.330"
362S125		0.330"
400S125		0.340"
550S125		0.360"
600S125		0.386"
162S125	0.0296"	0.250"
250S125		
350S125		
362S125		
400S125		
550S125		
600S125		
162S125	0.0329"	0.250"
250S125		
350S125		
362S125		
400S125		
550S125		
600S125		

5 RETURN LIP MATRIX

LENGTH OF RETURN LIP

DMFCWBS, LLC

9050 Centre Pointe Dr Ste 400
West Chester, OH 45069
Phone: (513) 870-1100
Fax: (513) 870-1300

Copyright © DMFCWBS, LLC 2010.
These documents may not be copied, reproduced, used or implemented in any way, in part or in whole, without the written consent of DMFCWBC, LLC.
All common law rights of copyright are hereby specifically reserved.

ProSTUD Drywall Framing
STUD PROFILES

Prepared For:
OPERATIONS
15mil THRU 33mil
1-5/8" THRU 2-1/2" ProSTUD DRYWALL STUD

PRIMARY CONTACT: Greg Ralph
PHONE NUMBER: 513-870-1161

Revisions

- 10/21/11 MAM - Added 19mils
- 03/14/12 MAM - Updated return lip
- 05/14/18 MAM - Added 18mil 70ksi
- 12/12/19 TJH - Updated return lip

Drawn By: MAM

Reviewed By: GSR

Date: 10/21/11

Project No.: ProSTUD

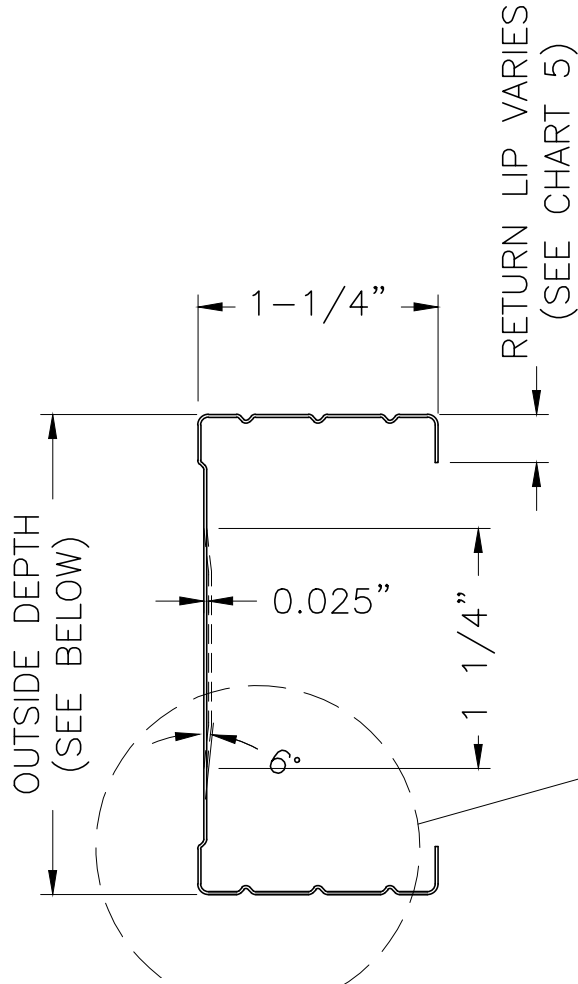
Sheet Title

ProSTUD DRYWALL
STUD PROFILES

Sheet No.

ProSTUD1

Dec 16, 2019 - 4:00pm C:\Users\tim.hentz\ClarkDietrich\Mike Murzyn - PEC Box\2_ClarckDietrich Launched Products\ProSTUD\3 Drawings\GD&S_ProSTUD-Stud Drawing tjh 2019-12-13.dwg



1 1-5/8" & 2-1/2" STUD SECTION
PROFILE SIZES

NOMINAL DEPTH	MIN. OUTSIDE DEPTH	MIN. OUTSIDE DEPTH
1-5/8"	1-19/32"	1.59"
2-1/2"	2-15/32"	2.47"

MATERIAL THICKNESS (MILS)	DESIGN THICKNESS (IN)	MIN. UNCOATED THICKNESS	MIN. YIELD STRENGTH	INSIDE RADII (U.N.O.)	COLOR
15mils	0.0158"	0.0150"	50 KSI	0.0400"	DARK GRAY
18mils	0.0190"	0.0181"	70 KSI	0.0400"	BROWN
19mils	0.0200"	0.0190"	65 KSI	0.0400"	BROWN
22mils	0.0232"	0.0220"	57 KSI	0.0400"	NO COLOR
30mils	0.0312"	0.0296"	33 KSI	0.0400"	PINK
33mils	0.0346"	0.0329"	33 KSI	0.0400"	WHITE

3 STUD INFORMATION
PROFILE GEOMETRY & TOLERANCES

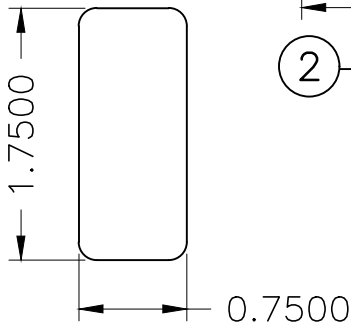
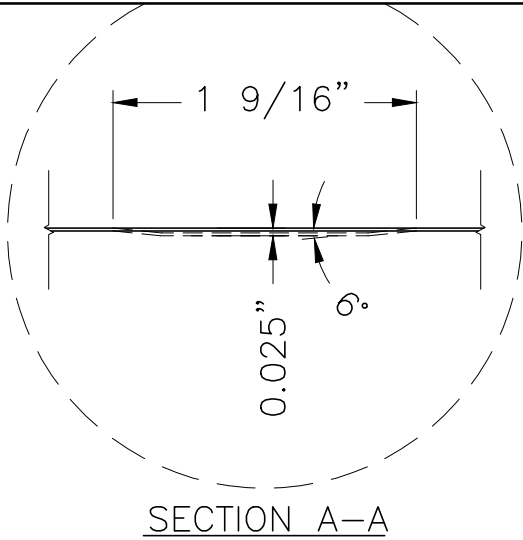
- NOTES:
- MATERIAL: ASTM A1003 TYPE NS
Fy = 50ksi min. for 15mil,
70ksi min. for 18mil,
65ksi min. for 19mil,
57ksi min. for 22mil,
33ksi min. for 30mil and 33mil

- CORROSION PROTECTION: PER AISI S220-15
- ALL TOLERANCES MEASUREMENTS SHALL BE TAKEN NOT LESS THAN 1 FT. FROM THE END OF MEMBER
- STANDARD PUNCHOUTS OCCUR AT A MINIMUM OF 10" FROM END OF MEMBER AND NOT CLOSER THAN 24"o.c. (MAX. WIDTH = 0.5d, MAX. LENGTH = 4.5")

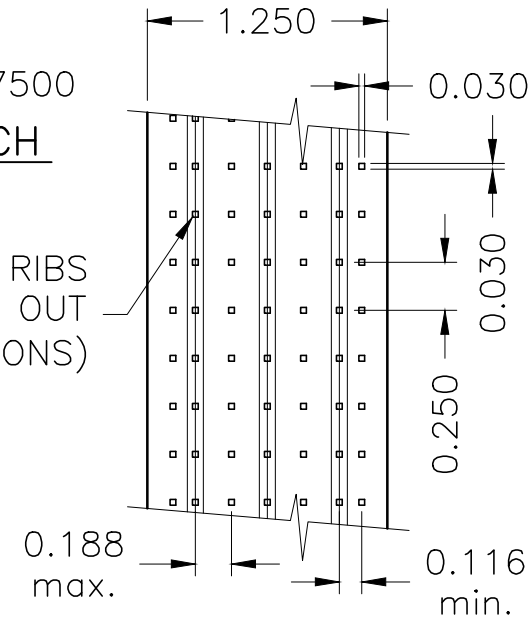
MANUFACTURING TOLERANCES PER: AISI S220-11 AND ASTM C645-13, SECTION 10 - IBC 2015 AISI S220-15 - IBC 2018	
LENGTH:	-1/4, +1/8"
WEB DEPTH:	±1/32"
FLANGE WIDTH:	-1/16", +1/8"
RETURN LIP:	-1/32", +1/8"
EMBOSS & HOLE CENTER WIDTH:	±1/8"
EMBOSS & HOLE CENTER LENGTH:	±1/4"
HOLE PUNCH TOLERANCE:	±1/32"
FLARE IN/OUT:	±1/16"
CROWN:	±1/8"
CAMBER/BOW/TWIST:	1/32" per FT. (1/2" MAX.)
ALL OTHERS:	±1/32" (U.N.O.)

6 HOLE PUNCH
IN STUD SIZES
1-5/8" TO 2-1/2"

KNURLING IN RIBS
MAY BE ROLLED OUT
(TYP. AT 3 LOCATIONS)



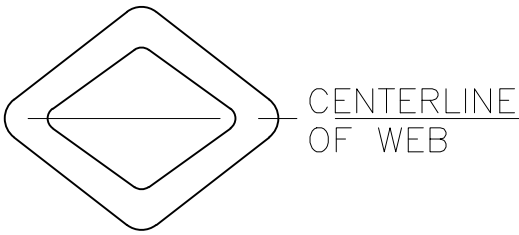
2 EMBOSSMENT INFO
FOR 2-1/2" - 6" STUD SECTIONS
NO EMBOSSMENT ON 1-5/8" STUD



4 TYP. FLANGE KNURLING
KNURLING DEPTH = 0.025"
(7) ROW PATTERN

Approvals

Jim Collins - President and CEO	Date:
Jimmy Rickett - Vice President of Operations	Date:
Jen Edgar - Product Manager	Date:
Chad Casbon - Director of Engineering	Date:
Marty Albright - Director of Manufacturing Engineering	Date:
Greg Ralph - VP of New Business Development	Date:



SECTION	MIN. THICKNESS	RETURN LIP (IN)
162S125	0.0150"	0.250"
250S125		
350S125		
362S125		
400S125		
550S125	0.0181"	0.275"
600S125		
162S125		
250S125		
350S125		
362S125		
400S125		
550S125	0.0190"	0.315"
600S125		
162S125		
250S125		
350S125		
362S125	0.0220"	0.315"
400S125		
550S125		
600S125		
162S125	0.0296"	0.250"
250S125		
350S125		
362S125		
400S125		
550S125	0.0329"	0.250"
600S125		
162S125		
250S125		
350S125		
362S125	0.0329"	0.250"
400S125		
550S125		
600S125		

5 RETURN LIP MATRIX
LENGTH OF RETURN LIP

DMFCWBS, LLC

9050 Centre Pointe Dr Ste 400
West Chester, OH 45069
Phone: (513) 870-1100
Fax: (513) 870-1300

Copyright © DMFCWBS, LLC 2010.
These documents may not be copied,
reproduced, used or implemented in any way,
in part or in whole, without the written
consent of DMFCWBC, LLC.
All common law rights of copyright are
hereby specifically reserved.

ProSTUD Drywall Framing
STUD PROFILES

Prepared For:
OPERATIONS
1-5/8" THRU 2-1/2" ProSTUD DRYWALL STUD
15mil THRU 33mil
PRIMARY CONTACT: Greg Ralph
PHONE NUMBER: 513-870-1161

Revisions

- 10/21/11 MAM - Added 19mils
- 03/14/12 MAM - Updated return lip
- 05/14/18 MAM - Added 18mil 70ksi
- 12/12/19 TJH - Updated return lip

Drawn By:

MAM

Reviewed By:

GSR

Date:

10/21/11

Project No.:

ProSTUD

Sheet Title

ProSTUD DRYWALL
STUD PROFILES

Sheet No.

ProSTUD2