### Notched Strong Back (NSB) vs. Notched Track (NT)

<table>
<thead>
<tr>
<th>Profile</th>
<th>Horizontal Load - lbs</th>
<th>Screws per Stud</th>
<th>Wall Cavity Penetration</th>
<th>OSHPD - ST5.00 80 lbs</th>
<th>OSHPD - ST5.01 20 lbs</th>
<th>OSHPD - ST5.03 ADA - Grab Bar 250 lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>600NSB50-33</td>
<td>84</td>
<td>2</td>
<td>0.50&quot;</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>600NT125-33*</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
<tr>
<td>600NSB50-43</td>
<td>105</td>
<td>3</td>
<td>0.50&quot;</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>600NT125-43*</td>
<td>73</td>
<td>7</td>
<td>1.25&quot;</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>600NSB50-54</td>
<td>189</td>
<td>3</td>
<td>0.50&quot;</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes**</td>
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<tr>
<td>600NT125-54*</td>
<td>155</td>
<td>7</td>
<td>1.25&quot;</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes**</td>
</tr>
</tbody>
</table>

Both "low profile" backing profiles provide same capacities and:

1. Engineered horizontal loads capacities (no published capacities for Flat Stock Profiles)
2. Meet majority of standard requirements using 20ga profiles
3. Average 30 lbs more horizontal load capacity than Notched Track Profiles*
4. Can be used with less fasteners (based on vertical/hanger load)
5. Have 1/2" flanges reducing field modification for vertical obstructions (pipes, conduits, etc...)
6. Reduce use of "peanut grinder/chop saw" as 20ga profile can be field modified with hand snips
7. Can be ordered custom knockouts (Notched Strong Back) to accommodate off center studs
8. Can be used with "repair clip" (Flush Backing Plate) to accommodate <16" spans

*Based on published tables by Steel Network Inc
** Based on location of attachment and number of fastener

www.saftiseal.com
Safti-Frame Inc. (425) 869-2811
NOTES:
1. BACKING, CONNECTION TO STUD, AND STUDS FOR CABINETS OR EQUIPMENT EXCEEDING THIS LIMIT SHALL BE DESIGNED AND DETAILED BY RDP IN RESPONSIBLE CHARGE.
2. ST5.01 MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD (CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD).
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.

SAFTI-FRAME™

INTERMEDIATE CONDITION
CUT TOP & BOTTOM FLANGES OF TRACK AT EACH STUD, TYP.

END CONDITION
PARTITION WALL STUDS @ 16" O.C.
MAX PER SCHEDULE, SEE ST2.01
MIN. 6"x64 MIL UNPUNCHED BACKING TRACK, DO NOT CUT FLANGES BETWEEN SUPPORTING STUDS.

splice condition
EXTEND BLKG TO NEXT STUD

IN LIEU OF SCREENS

STUDS

BACKING TRACK

IN LIEU OF SCREENS

SECTION

BACKING PLATE DETAIL TYPE 1
MAX LOAD TO STUD
PER CONDITION
DEFINITIONS ON ST2.00

EXTEND BACKING ONE STUD BAY BEYOND EDGE OF CABINET OR EQUIPT.

PLAN DETAIL

CABINET/EQUIPMENT

1/4" MAX GAP

CABINET/EQUIPMENT

ISOMETRIC DETAIL

A

B

C

REVIEWED FOR CODE COMPLIANCE BY:\nOPD-0001-13: Reviewed for Code Compliance by Karim @ OSHPD
DATE: 03/27/2013

STANDARD PARTITION WALL DETAILS

SHEET TITLE: BACKING PLATE DETAIL TYPE 1

ORP NO:

ST5.00

03/27/2013

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NOTES:
1. THIS DETAIL MAY BE USED FOR ATTACHMENT OF CABINETS OR EQUIPMENT DISTRIBUTING LESS THAN 20# PER STUD
   CENTER OF GRAVITY LESS THAN 6" FROM FACE OF STUD.
2. SEE ST5.00 FOR ALTERNATE WELDING OPTION.
3. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED.
BACKING PLATE DETAIL FOR GRAB BAR

NOTES:
1. NOTCHING OR CUTTING OF BACKING PLATE IS NOT PERMITTED EXCEPT AS SHOWN.