



## Wall / Mounting Surface Type Channel Selection Guidelines

Wall / Mounting Surface	Appropriate GCX Channel	Installation Document	OSHPD Pre-Approval
<b>Plain steel or wood stud wall, no backing material for channel</b> (Typically 5/8" sheetrock with minimum 24/25 gauge steel studs or 2 x 4 wood studs)	<input type="checkbox"/> Standard channel (non-seismic) <input type="checkbox"/> Surface mount channel <input type="radio"/> VHC channel <input type="checkbox"/> Surface mount VHC channel	<input type="checkbox"/> DU-WC-0002 <input type="checkbox"/> DU-WC-0002-29 or -30 <input type="radio"/> DU-FWM-0001-10 <input type="checkbox"/> DU-FWM-0001-05	<input type="checkbox"/> No <input type="checkbox"/> Yes – OPM-0163-13 <input type="radio"/> Yes – OPM-0162-13 <input type="checkbox"/> Yes – OPM-0164-13
<b>Steel or wood stud wall with backing material for channel</b> (Same as above but with 16-gauge steel backing or 1½" wood backing for channel)	<input type="checkbox"/> Standard channel (non-seismic) <input type="checkbox"/> Seismic channel <input type="radio"/> VHC channel	<input type="checkbox"/> DU-WC-0002 <input type="checkbox"/> DU-WC-0002 <input type="radio"/> DU-FWM-0001-10	<input type="checkbox"/> No <input type="checkbox"/> Yes – OPM-0165-13 <input type="radio"/> Yes -- OPM-0162-13
<b>Concrete, hollow block or lath &amp; plaster wall construction</b>	<input type="checkbox"/> Standard channel (non-seismic) <input type="checkbox"/> Seismic channel <input type="radio"/> VHC channel	Consult structural engineer	<input type="checkbox"/> No <input type="checkbox"/> No <input type="radio"/> No
<b>Built in cabinets or casework</b> (typically plywood or chip board construction)	<input type="checkbox"/> Standard channel (non-seismic) <input type="checkbox"/> Seismic channel <input type="radio"/> VHC channel	Consult structural engineer	<input type="checkbox"/> No <input type="checkbox"/> No <input type="radio"/> No
<b>Headwalls, Pendants, Rail Systems or other Architectural Systems</b>	Channels with headwall/rail adapters	Contact GCX and consult with system manufacturer	No
<b>Steel support posts or beams</b>	<input type="checkbox"/> Standard channel (non-seismic) <input type="checkbox"/> Seismic channel <input type="radio"/> VHC channel	Consult structural engineer	<input type="checkbox"/> No <input type="checkbox"/> No <input type="radio"/> No