CONCRETE

½" GAP

5/8" TYPE "X" DRYWALL

CEMCO HOT ROD TYPE "X"

STEEL STUD (MIN. 1 ¼" FLANGE)

DRYWALL SCREW

OPTIONAL FLAT TAPE & JOINT COMPOUND

TYPICAL STEEL FASTENERS BY DESIGN

DISCLAIMER:
CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.
**NOTE:** DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

---

**HW-D-0554**

**STANDARD CHASE WALL, CONCRETE SLAB**

**ASSEMBLY RATING:** 1 HR

**For 1/2" joints, no joint compound is required over HOTROD**

<table>
<thead>
<tr>
<th>DISCLAIMER:</th>
<th>REVISION:</th>
</tr>
</thead>
</table>
| CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed. | DRAWN BY: T.GARIBEKIAN  
DATE: 12/06/2017  
APPROVED BY: DON PILZ  
12/06/2017  
SCALE: 3"=1'-0"  
JOB NO.: UL DETAILS  
SHEET NO.: SD147 |
CONCRETE SLAB OR FLUTED METAL DECK WITH CONCRETE FILL

SPRAY FIREPROOFING

STEEL BEAM

STRUCTURAL FIREPROOFING (THICKNESS BY OTHERS)

1/2" LEG Z-BAR @ 16" O.C.

CEMCO HOT ROD TYPE "X"

5/8" TYPE "X" DRYWALL

NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

STANDARD WALL, PARALLEL & CENTERED DIRECTLY UNDER BEAM

for 1/2" joints, no joint compound is required over HOTROD

CEMCO assumes no liability for failure resulting from the use of it's drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

CEMCO

WWW.CEMCOSTEEL.COM

263 N. Covina Lane.
City of Industry, CA 91744
PHONE (800) 775-2362
ENG. DEPT.
FAX (626) 369-7243
WWW.CEMCOSTEEL.COM

REVISION:

DRAWN BY: T.GARIBEKIAN
DATE: 12/06/2017

APPROVED BY: DON PILZ
DATE: 12/06/2017

SCALE: 3"=1'-0"

JOB NO.: UL DETAILS

SD148.1
CONCRETE SLAB

TYPICAL STEEL FASTENERS BY DESIGN

NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

CEMCO HOT ROD TYPE "X"

1/2" NOMINAL JOINT

CEMCO SLOTTED TRACK

METAL STUD SPACING BY DESIGN

5/8" TYPE "X" DRYWALL

SD149.1
5/8" TYPE "X" DRYWALL
METAL STUD BY DESIGN

STEEL TRACK (MIN. 1 ¾" FLANGE)

CEMCO HOT ROD TYPE "X"

"OPTIONAL" FLAT TAPE & JOINT COMPOUND

CONCRETE SLAB

TYPICAL STEEL FASTENERS BY DESIGN

DISCLAIMER:
CEMCO assumes no liability for failure resulting from the use of it's drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

SD79.1
TYPICAL STEEL FASTENERS BY DESIGN

5/8" TYPE "X" DRYWALL

METAL STUD BY DESIGN

CEMCO SLOTTED TRACK

CONCRETE SLAB

OPEN WEB TRUSS OR JOIST

FURRING CHANNEL @ 24" O.C.

5/8" TYPE "X" DRYWALL

NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

CEMCO HOT ROD TYPE "X"

FLAT TAPE & JOINT COMPOUND

3/4" NOMINAL JOINT

5/8" TYPE "X" DRYWALL

STANDARD WALL, GYPSUM WALLBOARD CEILING

**HW-D-0550**

**STANDARD WALL, GYPSUM WALLBOARD CEILING**

**ASSEMBLY RATING:** 1 HR

**NOTE:** DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

**DISCLAIMER:**

CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

**REVISION:**

DRAWN BY: T. GARIBEKIAN
DATE: 05/12/16

APPROVED BY: DON PILZ
DATE: 05/12/16

SCALE: 3"=1'-0"

JOB NO.: UL DETAILS

SHEET NO.: SD146
**HW-D-0554**

<table>
<thead>
<tr>
<th>STANDARD CHASE WALL, CONCRETE SLAB</th>
</tr>
</thead>
</table>

### DISCLAIMER:

CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

### REVISION:

<table>
<thead>
<tr>
<th>DRAWN BY: T.GARIBEKIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE: 05/12/16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPROVED BY: DON PILZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE: 05/12/16</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SCALE: 3&quot;=1'-0&quot;</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>JOB NO.: UL DETAILS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHEET NO.: SD147</td>
</tr>
</tbody>
</table>
CONCRETE SLAB OR FLUTED METAL DECK WITH CONCRETE FILL

SPRAY FIREPROOFING

STEEL BEAM

STRUCTURAL FIREPROOFING (THICKNESS BY OTHERS)

1/2" x 20 GA. Z-BAR OR 16 GA. CRC (SPACING BY DESIGN)

CEMCO HOT ROD TYPE "X"

FLAT TAPE & JOINT COMPOUND

CEMCO SLOTTED TRACK

METAL STUD SPACING BY DESIGN

5/8" TYPE "X" DRYWALL

NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

STANDARD WALL, PARALLEL & CENTERED DIRECTLY UNDER BEAM

ASSEMBLY RATING: 1 HR

Disclaimer:
CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

Revision:

Drawn by: T. Garibekian
Date: 05/12/16

Approved by: Don Pilz
Date: 05/12/16

Scale: 3" = 1'-0"

Job No.: UL Details

Sheet No.: SD148
CONCRETE SLAB

TYPICAL STEEL FASTENERS BY DESIGN

NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

CEMCO SLOTTED TRACK

METAL STUD SPACING BY DESIGN

5/8" TYPE "X" DRYWALL

3/4" NOMINAL JOINT

CEMCO HOT ROD TYPE "X"

FLAT TAPE & JOINT COMPOUND

HW-D-0624
STANDARD WALL, CONCRETE SLAB

ASSEMBLY RATING: 1 HR

DISCLAIMER:
CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimed.

REVISION:

SD149
NOTE: DOUBLE LAYERS OF 5/8" DRYWALL FOR 2 HOUR FIRE RATING

CEMCO HOT ROD TYPE "X"
"OPTIONAL" FLAT TAPE & JOINT COMPOUND
5/8" TYPE "X" DRYWALL

CONCRETE SLAB
MINERAL WOOL
CH STUD
J- RUNNER

1" SHAFT LINER

3/4" NOMINAL JOINT

TYPICAL STEEL FASTENERS BY DESIGN

<table>
<thead>
<tr>
<th>HW-D-0625</th>
<th>SHAFT WALL, CONCRETE SLAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSEMBLY RATING: 1 HR</td>
<td>CONFIGURATION A</td>
</tr>
</tbody>
</table>

DISCLAIMER:
CEMCO assumes no liability for failure resulting from the use of its drawings, computations, or for failure resulting from the use of alternate materials, or improper application or installation. This drawing is supplied solely to assist in the selection and application of CEMCO products. This drawing is generic in nature and should not be used in design or construction without an independent evaluation by a qualified Architect or Engineer of Record. All warranties of any kind, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose are disclaimered.

DRAWN BY: T. GARIBEKIAN
DATE: 09/13/16

APPROVED BY: DON PILZ
DATE: 09/13/16

SCALE: 3"=1'-0"

JOB NO.: UL DETAILS

SHEET NO.: SD150

263 N. Covina Lane.
City of Industry, CA 91744
PHONE (800) 775-2362
ENG. DEPT.
FAX (626) 369-7243
WWW.CEMCOSTEEL.COM