HW-D-0585
SHAFT WALL, CONCRETE SLAB

ASSEMBLY RATING: 2 HR

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REVISION:
DRAWN BY: T.GARIBEKIAN
DATE: 05/06/15
APPROVED BY: F. SESMA
DATE: 05/06/15
SCALE: 3"=1'-0"
JOB NO.: UL DETAILS
SHEET NO.: SD68.1

CEMCO
WWW.CEMCOSTEEL.COM
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CONCRETE SLAB

½" NOMINAL GAP
(1" JOINT PROTECTION)

CEMCO SLOTTED TRACK

MINERAL WOOL
(2" WIDE
33% COMPRESSION)

CH STUD

1" SHAFT LINER

CEMCO DEFLECTION DRIFT ANGLE - DDA-1

5/8" TYPE "X" DRYWALL
FLUTED METAL DECK WITH CONCRETE FILL

MINERAL WOOL

TYPICAL STEEL FASTENERS BY DESIGN

½" NOMINAL JOINT (1" JOINT PROTECTION)

#8 x 1/2" FRAMING SCREW

DRYWALL SCREW 1" LOWER THAN TRACK LEG

DEFLECTION DRIFT ANGLE DDA-1 (BOTH SIDES)

CEMCO SLOTTED TRACK

METAL STUD BY DESIGN

5/8" TYPE "X" DRYWALL

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
FLUTED METAL DECK FILLED WITH CONCRETE

CEMCO FAS STRAP

#8 x 1/2" FRAMING SCREW

DRYWALL SCREW 1" LOWER THAN TRACK LEG

METAL STUD BY DESIGN

5/8" TYPE "X" DRYWALL

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

HW-D-0524

STANDARD WALL, OFFSET & PARALLEL UNDER FLUTED DECK

CONFIGURATION "A"

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PRE-FORMED MINERAL WOOL PLUG

2" STRAP BY DESIGN

½" NOMINAL JOINT (1" JOINT PROTECTION)

#8 x 1/2" FRAMING SCREW

DRYWALL SCREW 1" LOWER THAN TRACK LEG

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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HW-D-0524
ASSEMBLY RATING: 2 HR

STANDARD WALL, OFFSET & PARALLEL UNDER FLUTED DECK

CONFIGURATION "B"

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DRAWN BY: T. GARIBEKIAN
DATE: 05/06/15

APPROVED BY: F. SESMA
DATE: 05/06/15

SCALE: 3″=1'-0"

JOB NO.: UL DETAILS

SD89
### STANDARD WALL, PARALLEL & OFFSET UNDER FLUTED DECK

**CONFIGURATION "B"**

<table>
<thead>
<tr>
<th>DISCLAIMER:</th>
<th>REVISION:</th>
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</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: 05/06/15                                           | APPROVED BY: F. SESMA    
DATE: 05/06/15                                             | SCALE: 3"=1'-0"                                                      |
| JOB NO.: UL DETAILS                                                                                                                                | SHEET NO.: SD93                      |

#### SD93

**NOTE:** SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
CONCRETE DECK

DRYWALL SCREW

1" LOWER THAN TRACK LEG

5/8" TYPE "X" DRYWALL

#8 x 1/2" FRAMING SCREW

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

Cemco

SD94

HW-D-0620

STANDARD WALL, PARALLEL AND DIRECTLY UNDER FLUTED DECK

CONFIGURATION "A"

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REVISION:

DRAWN BY: T.GARIBEKIAN
DATE: 05/07/15

APPROVED BY: F. SESMA
DATE: 05/07/15

SCALE: 3"=1'-0"

JOB NO.: UL DETAILS

SHEET NO.:
MINERAL WOOL STUFFED BETWEEN FRAMING AND FIREPROOFING 50% COMpressed

(2) LAYERS DRYWALL

Z-CLIP

CEMCO SLOTTED TRACK WITH DDA-1

MINERAL WOOL STUFFED BETWEEN FRAMING AND FIREPROOFING 50% COMpressed

I-BEAM

METAL STUD

DDA-1 OVER FRAMING

CEMCO SLOTTED TRACK WITH DDA-1

DDA-1 OVER FRAMING

DRYWALL CUT AROUND I-BEAM WITH 2" GAP

(2) LAYERS DRYWALL

Z-CLIP

½" NOMINAL JOINT (1" JOINT PROTECTION)

NOTE: SINGLE LAYER OF 5⁄8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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MINERAL WOOL STUFFED BETWEEN FRAMING AND FIREPROOFING 50% COMPRESSED

(2) LAYERS DRYWALL

Z-CLIP

DDA-1 OVER FRAMING

I-BEAM

CH STUD

DDA-1 OVER FRAMING

CEMCO SLOTTED TRACK OR J-RUNNER

DRYWALL CUT AROUND I-BEAM WITH 2" GAP

1/2" NOMINAL JOINT (1" JOINT PROTECTION)

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
CONCRETE SLAB OR FLUTED METAL DECK WITH CONCRETE FILL

SPRAY FIREPROOFING

STEEL BEAM

DEFLECTION DRIFT ANGLE DDA-1 (ONE SIDE ONLY)

1/2" NOMINAL JOINT (1" JOINT PROTECTION)

MINERAL WOOL

5/8" TYPE "X" DRYWALL

STRUCTURAL STEEL FIREPROOFING (THICKNESS BY OTHERS)

1/2" x 20 GA. Z-BAR OR 16 GA. CRC @ 16" O.C.

CEMCO SLOTTED TRACK

1" SHAFT LINER

CH STUD

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

HW-D-0622 SHAFT WALL, DIRECTLY UNDER BEAM

ASSEMBLY RATING: 2 HR

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DATE: 05/07/15

SCALE: 3"=1'-0"

JOB NO.: UL DETAILS

SHEET NO.: SD99
CONCRETE SLAB OR FLUTED METAL DECK WITH CONCRETE FILL

SPRAY FIREPROOFING

STEEL BEAM

STRUCTURAL FIREPROOFING (THICKNESS BY OTHERS)

DEFLECTION DRIFT ANGLE DDA-1 (ONE SIDE ONLY)

1/2" x 20 GA. Z-BAR OR 16 GA. CRC @ 16" O.C.

MINERAL WOOL

5/8" TYPE "X" DRYWALL

1/2" x 20 GA. Z-BAR OR 16 GA. CRC @ 16" O.C.

CEMCO SLOTTED TRACK

1" SHAFT LINER

CH STUD

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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REVISION:

SD100
NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

TYPICAL STEEL FASTENERS BY DESIGN

FLUTED METAL DECK WITH CONCRETE FILL

MINERAL WOOL

CH STUD

CEMCO SLOTTED TRACK

1" SHAFT LINER

5/8" TYPE "X" DRYWALL

1/2" NOMINAL GAP
1" JOINT PROTECTION

DEFLECTION DRIFT

ANGLE DDA-1

(ONE SIDE ONLY)

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NOTE: SINGLE LAYER OF \( \frac{5}{8}'' \) TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
CONCRETE SLAB

TYPICAL STEEL FASTENERS BY DESIGN

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

1⁄2" NOMINAL JOINT (1" JOINT PROTECTION)

DEFLECTION DRIFT ANGLE DDA-1 (ONE SIDE ONLY)

5/8" TYPE "X" DRYWALL

MINERAL WOOL

CEMCO SLOTTED TRACK

1" SHAFT LINER

CH STUD

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CONCRETE SLAB OR FLUTED METAL DECK WITH CONCRETE FILL

SPRAY FIREPROOFING

STEEL BEAM

STRUCTURAL FIREPROOFING (THICKNESS BY OTHERS)

1/2" NOMINAL JOINT (1" JOINT PROTECTION)

MINERAL WOOL

5/8" TYPE "X" DRYWALL

1" SHAFT LINER

CH STUD

CEMCO SLOTTED TRACK

EXPANDED METAL LATH

1/2" x 20 GA. Z-BAR OR 16 GA. CRC @ 16" O.C.

DEFLECTION DRIFT ANGLE DDA-1 (ONE SIDE ONLY)

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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CONCRETE SLAB

DEFLECTION DRIFT ANGLE DDA-1 (FINISH SIDE ONLY)

#8 x 1/2" FRAMING SCREW

DRYWALL SCREW 1" LOWER THAN TRACK LEG

5/8" TYPE "X" DRYWALL

METAL STUD SPACING BY DESIGN

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
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)

1/2" NOMINAL GAP (1" JOINT PROTECTION)

DRIYWALL SCREW 1" LOWER THAN TRACK LEG

#8 x 1/2" FRAMING SCREW

CEMCO SLOTTED TRACK

METAL STUD SPACING BY DESIGN

5/8" TYPE "X" DRYWALL

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

HW-D-0551
STANDARD WALL, PARALLEL & CENTERED DIRECTLY UNDER BEAM

ASSEMBLY RATING: 2 HR

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SCALE: 3"=1'-0"
JOB NO.: UL DETAILS

SD107
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)

EXPANDED METAL LATH

CEMCO DEFLECTION DRIFT ANGLE - DDA1 (BOTH SIDES)

5/8" TYPE "X" DRYWALL

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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REVISION:

JOB NO.: UL DETAILS

SD108
MINERAL WOOL

FLUTED METAL DECK WITH CONCRETE FILL

#8 x 1/2" FRAMING SCREW

DEFLECTION DRIFT ANGLE DDA-1 (FINISH SIDE ONLY)

5/8" TYPE "X" DRYWALL

METAL STUD SPACING BY DESIGN

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

HW-D-0553
STANDARD CHASE WALL, PERPENDICULAR TO FLUTED DECK

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APPROVED BY: F. SESMA
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SCALE: 3"=1'-0"
JOB NO.: UL DETAILS
SHEET NO.: SD110

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CONCRETE DECK

TYPICAL STEEL FASTENERS BY DESIGN

DRYWALL SCREW 1" LOWER THAN TRACK LEG

5/8" TYPE "X" DRYWALL

NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING
NOTES:
1. NO DRYWALL SCREW INTO DDA-1 SP THAT DEFLECTION CAN STILL TAKE PLACE
2. SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING

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NOTE: SINGLE LAYER OF 5/8" TYPE "X" DRYWALL FOR 1 HOUR FIRE RATING