<table>
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<th>LOAD-BEARING WALL SYSTEMS</th>
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<td><strong>DETAIL NO.</strong></td>
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**CATEGORY:**
LOAD-BEARING WALL DETAILS

REV: 0  
RELEASE: 04/03/2011
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NOTE:
STUD MUST BE SEATED TIGHT TO TRACK WEB
(MAX. GAP = 1/16")
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CEMCO BOXED STUDS
WELD SIZE AND SPACING (BY DESIGN)

SCREW ATTACH EACH FLANGE (SCREW SIZE BY DESIGN)

1 OPTION 1
SCREWED ATTACHMENT

CEMCO BOXED STUDS
WELD SIZE AND SPACING (BY DESIGN)

CEMCO TRACK
FASTEN TO MAIN STRUCTURE (BY DESIGN)

WELD SIZE BY DESIGN

2 OPTION 2
WELDED ATTACHMENT

NOTE:
STUD MUST BE SEATED TIGHT TO TRACK WEB (MAX. GAP = 1/16")

3 BOXED STUDS - TRACK CONNECTION DETAILS

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LOAD-BEARING WALL DETAILS

ENGINEERING
1001-A PITTSBURG ANTIOCH HWY
PITTSBURG, CA 94565
ENG. DEPT. 925.473-9340
FAX 925.473.9124
www.cemcosteel.com

DISCLAIMER:
CATEGORY:
REV. 0
RELEASE: 04/03/2012
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**NOTE:**
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NOTE:
STUD MUST BE SEATED TIGHT TO TRACK WEB
(MAX. GAP = 1/16")

ALTERNATE CONNECTION (WELD SIZE BY DESIGN)

CEMCO STUDS

SCREW ATTACH EACH FLANGE
(SCREW SIZE BY DESIGN)

SCREW ATTACH (SCREW SIZE AND SPACING BY DESIGN)

FASTEN TO MAIN STRUCTURE (BY DESIGN)

CEMCO TRACKS

WALL INTERSECTION STUDS - TRACK CONNECTION DETAIL

SCALE: N.T.S.

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CATEGORY:
LOAD-BEARING WALL DETAILS
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CEMCO TRACK BLOCK PIECE TO MATCH WALL STUD (CLIP FLANGE AND BEND). INSTALL AT 8'-0" O.C. AND AT END OF WALL

CEMCO STUD
FINISH SURFACE

SCREW ATTACHMENT, STRAP TO BLOCKING (BY DESIGN)
SCREW ATTACHMENT, TRACK FLANGE TO STUD FLANGE (BY DESIGN)
CEMCO FLAT STRAP ONE SIDE

SCREW ATTACHMENT AT FLANGE

BRIDGING - SINGLE FLAT STRAP WITH BLOCKING

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LOAD-BEARING WALL DETAILS

REV: 0
RELEASE: 04/03/2012
CEMCO TRACK BLOCK PIECE TO MATCH WALL STUD (CLIP FLANGE AND BEND), INSTALL AT 8'-0" O.C. AND AT END OF WALL

CEMCO STUD

SCREW ATTACHMENT STRAP TO BLOCKING (BY DESIGN)

SCREW ATTACHMENT, TRACK FLANGE TO STUD FLANGE (BY DESIGN)

CEMCO FLAT STRAP AT EACH SIDE

SCREW ATTACHMENT AT EACH FLANGE

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BRIDGING - DOUBLE FLAT STRAP WITH BLOCKING

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LOAD-BEARING DETAILS
BRIDGING - COLD ROLLED CHANNEL WITH CLIP ANGLE

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CEMCO ANGLE CLIP, FASTENED TO STUD AND CRC CHANNEL (BY DESIGN)

CEMCO COLD ROLLED (CRC) LATERAL BRACING, (SPACED AS REQUIRED BY DESIGN)

LATERAL BRACING SPLICE, CEMCO CRC INVERTED OVER CENTER OF SPLICE WITH SCREWS ON EACH SIDE OF SPLICE (LENGTH OF SPLICE CONNECTION AND QUANTITY OF SCREWS BY DESIGN)

OPTION 1:
SCREWED ATTACHMENT OF LATERAL BRACING

OPTION 2:
WELDED ATTACHMENT OF LATERAL BRACING

OPTION 3:
WELDED ATTACHMENT OF LATERAL BRACING
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**CATEGORY:**

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**CATEGORY:**

LOAD-BEARING WALL DETAILS

**SCALE:** N.T.S.

**REV:** 0

**RELEASE:** 04/03/2012
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CATEGORY:

LOAD-BEARING WALL DETAILS
EXTERIOR WALL-JOIST PARALLEL TO WALL

SCREW ATTACH FLANGE OF BOTTOM TRACK TO FLOOR SHEATHING AND FLANGE OF RIM TRACK (SCREW SIZE, QUANTITY AND SPACING, BY DESIGN)

SCREW ATTACH EACH FLANGE

CEMCO TRACK OR SSRT RIM-TRACK

SCREW ATTACH, TRACK OR SSRT RIM-TRACK TO TOP OF WALL (SCREW SIZE & SPACING, BY DESIGN)

CEMCO STUD

FLOOR SHEATHING (BY OTHERS)

SCREW ATTACH, UTILITY CLIP TO JOIST & BLOCKING (SCREW SIZE & QTY, BY DESIGN)

CEMCO STUD OR SSCJ FLOOR JOISTS

CEMCO UTILITY CLIP (UA), BY DESIGN

SCREW ATTACH FLANGE OF BLOCKING TO TOP OF WALL (SCREW SIZE, QTY & SPACING, BY DESIGN)

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SCREW ATTACH (SCREW SIZE, BY DESIGN)

CEMCO TOP TRACK

COPE FLANGES OF TOP TRACKS AT CORNER & LAP JOINT

CEMCO TOP TRACK

SCREW ATTACH EACH FLANGE (SCREW SIZE, BY DESIGN)

CEMCO STUD

CEMCO STUD

28

EXTERIOR WALL
CORNER TIE

SCALE: N.T.S.

LOAD BEARING WALL DETAILS

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INTERIOR WALL: CONTINUOUS JOISTS BEARING OVER STUD WALL

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SCREW ATTACH (SCREW SIZE & SPACING, BY DESIGN)

CEMCO TOP TRACK

SCREW ATTACH EACH FLANGE (SCREW SIZE, BY DESIGN)

CEMCO HOLDOWN STUDS (BY DESIGN)

CEMCO SURE-BOARD STRUCTURAL PANEL (BY DESIGN)

CEMCO STUD

SHEARWALL - CEMCO SURE-BOARD STRUCTURAL PANEL

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Category: Load-bearing Wall Details

Scale: N.T.S.
SCREW ATTACH FLAT STRAP TO HOLDOWN STUDS AND TOP TRACK (SCREW SIZE AND QUANTITY, BY DESIGN)

SCREW ATTACH (SCREW SIZE, BY DESIGN)

CEMCO TOP TRACK

PRE-TENSIONED FLAT STRAP PLATE EACH SIDE (WITH AND THICKNESS, BY DESIGN)

CEMCO HOLDOWN STUDS (BY DESIGN)

CEMCO STUD

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**Category:**

LOAD-BEARING WALL DETAILS

**Scale:** N.T.S.