WIND LOADBEARING CONTINUOUS CURTAINWALL

WIND LOADBEARING SPANDREL WALL FOR STRIP WINDOWS
GENERAL DETAILS

1. BAILEY STUD TO BAILEY TRACK

2. BAILEY STUD TO BAILEY PATENTED PUNCHED TRACK

3. BAILEY STUD REINFORCED WITH BAILEY TRACK

4. BAILEY STUD WITH WEB STIFFENER REINFORCING

Drawn By: W.A.
Checked By: N.I.
Title:
Project:
Sheet: CS3.2
Scale: As Defined (for 8.5x11" paper)
5 JAMB STUD AT DOOR OPENING

6 STUD TO TRACK AT CORNERS

5 JAMB STUD AT DOOR OPENING

6 STUD TO TRACK AT CORNERS

7 THROUGH-THE-STUD BRIDGING

8 FLAT STRAP BRIDGING
NOTE: BRIDGING CHANNELS ARE NOTCHED TO MATCH STUD SPACING (12", 16", 24" CENTRES)
PROVIDE END ANCHORAGE TO STRAP PLUS PERIODIC BLOCKING-IN (BLOCKING NOT SHOWN)

NOTCHED CHANNEL BRIDGING

EXTERIOR SHEATHING

EXTERIOR RIGID INSULATION

EXTERIOR SHEATHING AND RIGID INSULATION
Deflection connection allows for roof slab deflection and building frame shrinkage without axially loading the steel studs.

Parapet height is limited by capacity of studs. Refer to design example in CSSBI Design Manual for Lightweight Steel Framing.

Continuous strip window detailed to accommodate differential floor deflections.

Continuous angle as specified.

Section A-A:
- HSS spacing as specified
- HSS by structural
- Infill studs
- Track

Deflection connection accommodates differential movement of floor slab and building frame shrinkage without axially loading the steel studs. Detail also accommodates some variances in floor to floor heights.

Parapet top Bailey track

Wind bearing Bailey stud infill

Wind bearing Bailey stud continuous past structure

Continuous Bailey sill track

Continuous strip window for strip windows

Continuous wind bearing stud at parapet

Continuous wind bearing infill wall

Bailey sill track

Bailey stud

Clip angle for vertical and lateral support

Construction tolerance

Angle for lateral support

Foundation

HSS to carry wind loads imposed on sill track. Welded to embedded plate

Profile:
- Profile A
- Profile B
- Profile C
- Profile D
- Profile E

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Project:

Title:

Sheet:

Scale: As Defined (for 8.5x11" paper)
WIND BEARING WALLS - DEFLECTION DETAILS

16 DEFLECTION TRACK
- Provide clearance to fastener to accommodate deflection
- Anticipated deflection
- Fasten as specified
- Structure (concrete or steel)
- Outer deflection track: standard 2" flanges or as specified
- Inner deflection track: standard 3" flanges or as specified

17 SLOTTED DEFLECTION CLIP
- Baileyslotted deflection clip sized to suit stud depth
- Slots accommodate deflection
- Deflection clip can be engineered to work with or without reliance on the top track and with or without a top row of bridging.
- At the time of ordering, supply a sketch showing required dimensions and gauges (deflection clip steel thickness).

18 SINGLE DEFLECTION TRACK
- Stud continues past structure
- Continuous angle attached to structure as specified
- Baileyslotted vertical web attachment (VWA) clip bolted to stud as specified by engineer
- At the time of ordering, supply a sketch showing required dimensions and steel thickness.

19 HORIZONTAL FLANGE ATTACHMENT (HFA) CLIP
- Bailey horizontal flange attachment (HFA) slide clip attached to angle as specified

20 VERTICAL WEB ATTACHMENT (VWA) CLIP
- Flat strap bridging
- Bailey bridging clip
- Bridging channel
- A top row of bridging is required for this detail.
- Bridging, specify hole locations at time of order. Channel is shown "legs up" to allow for fastening from below.

Project:
Title:
Checked By: N.I.
Drawn By: W.A.
Sheet: CS3.6
Scale: As Defined (for 8.5x11" paper)
WIND BEARING WALLS AT OPENINGS

21 HEAD TRACK TO JAMB STUDS

22 SILL TRACK TO JAMB STUDS

23 REINFORCED HEAD TRACK TO JAMB STUDS

24 REINFORCED SILL TRACK TO JAMB STUDS

25 BUILT-UP HEAD TRACK TO JAMB STUDS

26 BUILT-UP SILL TRACK TO JAMB STUDS