



182 GRANITE STREET, SUITE 101, CORONA, CA 92879

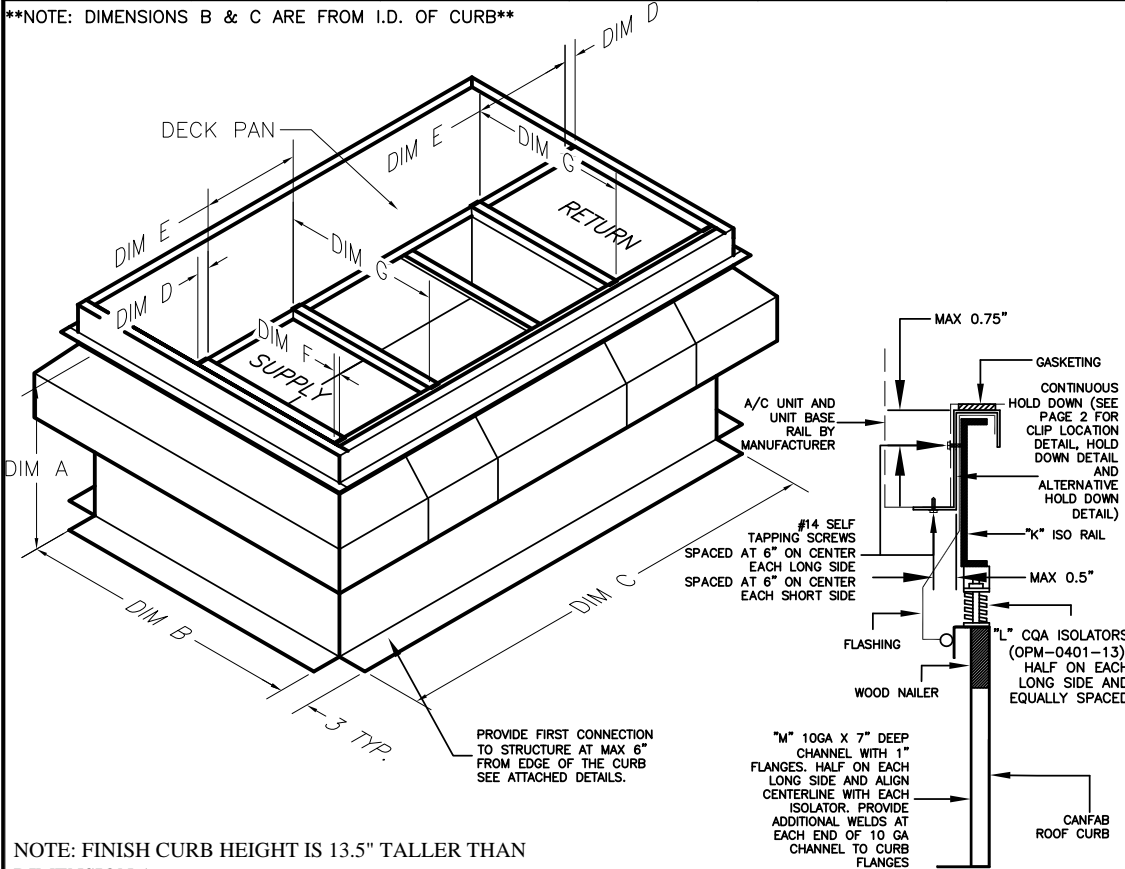
PHONE: (951)278-1830 FAX: (951)278-8444 www.canfab.com canfab@canfab.com

FOR: GROUP D ISO  
**CARRIER 3 - 5 TONS**  
 48/50 ES, EZ, 48/50VL-A 42-60, 48/50 VT-A, VG,  
 48/50VR, XL, XT-A 36-60

PART NO: 1004A-IC

| DIM A                         | DIM B   | DIM C    | DIM D   | DIM E | DIM F | DIM G | DIM H |
|-------------------------------|---------|----------|---------|-------|-------|-------|-------|
| VARIES MAX 36"<br>SEE TABLE 3 | 40.375" | 44.0625" | 1.1875" | 14"   | .625" | 16"   | N/A   |

\*\*NOTE: DIMENSIONS B & C ARE FROM I.D. OF CURB\*\*



ALL WORK SHALL CONFORM TO THE STANDARD OF 2018 INTERNATIONAL BUILDING CODE & 2019 CALIFORNIA BUILDING CODE.

**SEISMIC DESIGN CRITERIA**

-SDS = 1.5      ap = 2.5  
 -I = 1.5        Rp = 2.0

**WIND DESIGN CRITERIA**

-MAX 60 FT TALL BUILDING  
 -EXPOSURE C  
 -175 MPH, 3 SECOND GUST WIND

**NOTE:**

INSTALLER TO VERIFY WITH A LICENSED STRUCTURAL ENGINEER IN THE CORRESPONDING STATE THE ADEQUACY OF THE STRUCTURE FOR LOADS IMPOSED BY THE UNIT AND THE CURB IN ADDITION TO ALL OTHER LOADS.  
 -INSTALLER TO VERIFY WITH A LICENSED STRUCTURAL ENGINEER IN THE CORRESPONDING STATE THAT THE SEISMIC AND WIND DESIGN CRITERIA NOTED ON THIS DRAWING ARE ADEQUATE FOR THE SITE SPECIFIC VALUES. OTHERWISE, CONTACT CANNON FABRICATION FOR A SITE SPECIFIC ANALYSIS AND DRAWINGS.

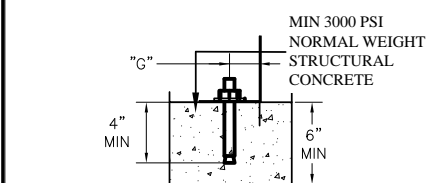
**CURB CONSTRUCTION**

- 1) WELDED
  - 2) BOLTED
  - 3) FINGERLOCK
- ALL WELDING CONSTRUCTION CERTIFIED TO ANSI/AWS D1.3 STRUCTURAL WELDING CODE-SHEET METAL  
 -SELF-DRILLING SCREW SHALL MEET ASTM C1513 SPECIFICATION AND INSTALLED PER AISI-S100  
 -NO GAP IS ALLOWED BETWEEN TWO METAL SHEET SURFACES WHERE SHEET METAL SCREW IS CONNECTED

**CURB AND UNIT INFORMATION**

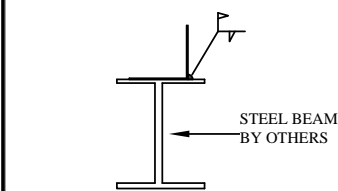
- "A" GAUGE GALVANIZED STEEL CURB  
 -SEE TABLE 3 FOR ALLOWABLE CURB AND UNIT DIMENSIONAL AND WEIGHT  
 -SEE TABLE 4 FOR TABULATED CURB AND ANCHORAGE INFORMATION PER VARYING CURB HEIGHT  
 -ALPHA DESIGNATIONS "A" THRU "M", CAN BE FOUND ON TABLE 4, PAGE 3

NOTE: FINISH CURB HEIGHT IS 13.5" TALLER THAN DIMENSION A.



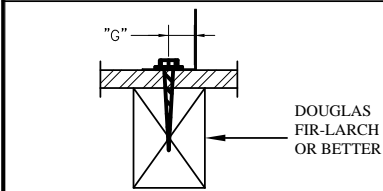
**ATTACHMENT TO STRUCTURAL CONCRETE**

"B" 5/8" HILTI KWIK BOLT TZ SS 304, HALF EACH LONG SIDE.  
 "C" 5/8" HILTI KWIK BOLT TZ SS 304, HALF EACH SHORT SIDE.  
**NOTE:**  
 -MIN 5" AWAY FROM THE NEAREST CONCRETE EDGE (INSTALL PER ICC-ES ESR-1917).  
 -STRUCTURALLY ACCEPTABLE TO SUBSTITUTE HILTI KBTZ STAINLESS STEEL BOLTS WITH HILTI KBTZ CARBON STEEL BOLTS ONLY IF ALL THE BOLTS ARE COMPLETELY WATERPROOFED AND PROTECTED AGAINST THE WEATHER.  
 -BOLTS SHALL BE EQUALLY SPACED



**ATTACHMENT TO STRUCTURAL STEEL**

1/8" FILLET WELD, 2" LONG, "D" ON CENTER.  
**NOTE:**  
 -PROVIDE MIN 2 CONNECTIONS WHERE THE CURB SIDE IS SHORTER THAN THE WELD SPACING.  
 -PROVIDE WELDS ON ALL SIDES



**ATTACHMENT TO WOOD**

"E" 3/8"x4" LAG SCREWS, HALF EACH LONG SIDE.  
 "F" 3/8"x4" LAG SCREWS, HALF EACH SHORT SIDE.  
**NOTE:**  
 -SCREWS SHALL BE EQUALLY SPACED.

**STRUCTURAL REVIEW BY:**

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 Los Angeles, California 90015  
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 Fax (213) 483 3084  
 Job No.: 13001



12/14/2018

|                                    |               |
|------------------------------------|---------------|
| PROJECT: IBC 2018/ CBC 2019 UPDATE | DATE: 12.6.18 |
| ENGINEER: LD                       | DISTRIBUTOR:  |
| DRAWING NUMBER: GROUP_D_ISO.DWG    | PAGE 1 OF 3   |



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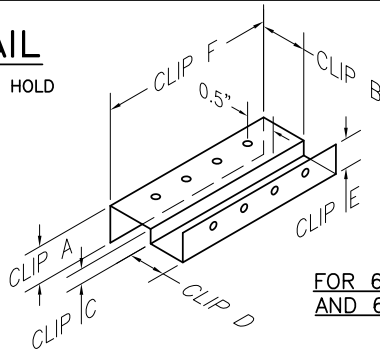
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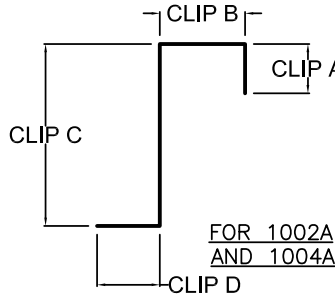
PART NO: SEE BELOW

### HOLD DOWN DETAIL

NOTE: SEE TABLE 1 FOR DESIGNATED HOLD DOWN CLIP PER CURB



FOR 6048  
AND 6050



FOR 1002A  
AND 1004A

TABLE 1 HOLD DOWN CLIP PER CURB

| CURB  | CLIP         | GAUGE | CLIP A [IN] | CLIP B [IN] | CLIP C [IN] | CLIP D [IN] | CLIP E [IN] | CLIP F [IN] |
|-------|--------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1002A | N/A          | 14 GA | .75         | 1.0625      | 2.75        | .875        | N/A         | SEE PAGE 1  |
| 1004A | N/A          | 14 GA | .75         | 1.0625      | 2.75        | .875        | N/A         | SEE PAGE 1  |
| 6048  | 6905-SHD6-14 | 12 GA | 1.0         | 1.625       | .5          | .8125       | .75         | 9.0         |
| 6050  | 6905-SHD6-14 | 12 GA | 1.0         | 1.625       | .5          | .8125       | .75         | 9.0         |

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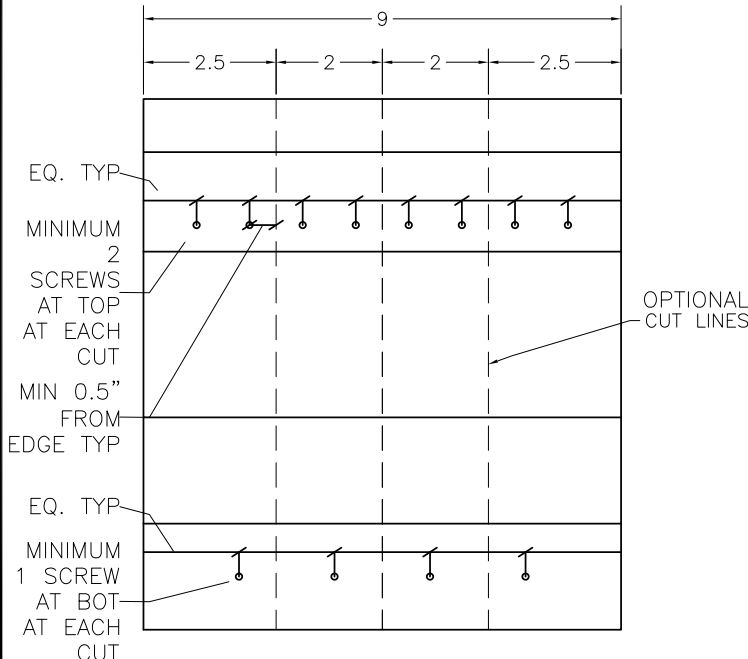


12/14/2018

### ALTERNATIVE HOLD DOWN DETAIL

NOTE:  
APPLICABLE ONLY FOR 9" LONG HOLD DOWN WITH (8) SCREWS AT TOP AND (4) SCREWS AT BOT EQUALLY SPACED

1. INFORMATION SHOWN ON THE STAMPED CANFAB CURB DRAWING IS THE MINIMUM REQUIREMENTS FOR THE CURB CONSTRUCTION AND INSTALLATION. NO STRUCTURAL OBJECTION TO THE USE OF LARGER SIZE SCREWS AND THICKER GAUGE SHEET METAL THAN THE INFORMATION SHOWN ON THE STAMPED CANFAB CURB DRAWING.
2. NO STRUCTURAL OBJECTION TO SHIFTING THE ATTACHMENT CLIPS ALONG THE CURB. FIRST AND LAST CLIP IN THE SERIES OF CLIPS SHALL BE LOCATED PER CLIP LOCATION DETAIL PER STAMPED CANFAB CURB DRAWING. DISTANCE SHIFTED SHALL NOT BE LARGER THAN THE LENGTH OF THE CLIP.
3. NO STRUCTURAL OBJECTION TO CUTTING THE ATTACHMENT CLIPS PER REQUIREMENTS AS SHOWN ON BELOW SKETCH.



### CLIP LOCATION DETAIL

NOTE:  
SEE TABLE 2 FOR CLIP LOCATION

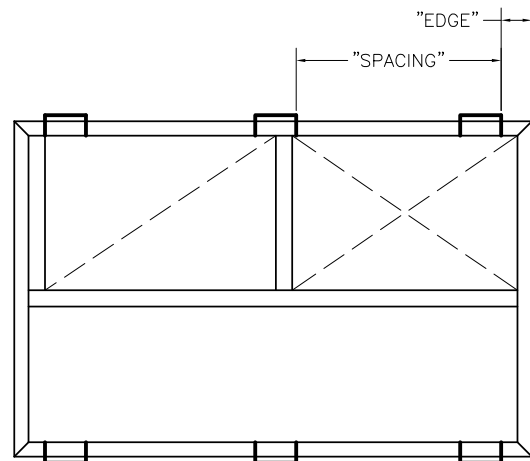


TABLE 2 CLIP LOCATION

| CURB  | EDGE [IN] | SPACING [IN] |
|-------|-----------|--------------|
| 1002A | N/A       | N/A          |
| 1004A | N/A       | N/A          |
| 6048  | 7.75      | 15.6875      |
| 6050  | 7.75      | 20.5625      |

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PAGE 2 OF 3



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FOR: GROUP D ISO

PART NO: SEE BELOW

**TABLE 3 ALLOWABLE CURB AND UNIT DIMENSION AND WEIGHT**

STRUCTURAL REVIEW BY:

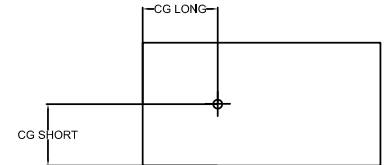


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12/14/2018

| RELATED CURBS | LCURB [IN] | WCURB [IN] | HCURB [IN] | WTCURB [LBS] | LUNIT [IN] | WUNIT [IN] | HUNIT [IN] | WTUNIT [LBS] | CG LONG [IN] | CG SHORT [IN] | CG HEIGHT [IN] |
|---------------|------------|------------|------------|--------------|------------|------------|------------|--------------|--------------|---------------|----------------|
| 1002A         | SEE PAGE 1 | SEE PAGE 1 | MIN 8      | MIN 224      | 48.28      | 32.72      | 42.98      | MAX 400      | 22.6         | 15.8          | HUNIT/2        |
|               |            |            | 11         | 240          |            |            |            |              |              |               |                |
|               |            |            | 14         | 257          |            |            |            |              |              |               |                |
|               |            |            | 18         | 280          |            |            |            |              |              |               |                |
|               |            |            | 24         | 376          |            |            |            |              |              |               |                |
|               |            |            | MAX 36     | MAX 468      |            |            |            |              |              |               |                |
| 1004A         | SEE PAGE 1 | SEE PAGE 1 | MIN 8      | MIN 258      | 48.28      | 44.22      | 46.98      | MAX 600      | 25.5         | 15.5          | HUNIT/2        |
|               |            |            | 11         | 275          |            |            |            |              |              |               |                |
|               |            |            | 14         | 294          |            |            |            |              |              |               |                |
|               |            |            | 18         | 318          |            |            |            |              |              |               |                |
|               |            |            | 24         | 426          |            |            |            |              |              |               |                |
|               |            |            | MAX 36     | MAX 529      |            |            |            |              |              |               |                |
| 6048          | SEE PAGE 1 | SEE PAGE 1 | MIN 8      | MIN 197      | 50.625     | 43.125     | 37.375     | MAX 400      | 20           | 15.8          | HUNIT/2        |
|               |            |            | 11         | 214          |            |            |            |              |              |               |                |
|               |            |            | 14         | 232          |            |            |            |              |              |               |                |
|               |            |            | 18         | 256          |            |            |            |              |              |               |                |
|               |            |            | 24         | 362          |            |            |            |              |              |               |                |
|               |            |            | MAX 36     | MAX 462      |            |            |            |              |              |               |                |
| 6050          | SEE PAGE 1 | SEE PAGE 1 | MIN 8      | MIN 224      | 60.313     | 46.063     | 41.375     | MAX 600      | 25           | 16.3          | HUNIT/2        |
|               |            |            | 11         | 243          |            |            |            |              |              |               |                |
|               |            |            | 14         | 263          |            |            |            |              |              |               |                |
|               |            |            | 18         | 289          |            |            |            |              |              |               |                |
|               |            |            | 24         | 409          |            |            |            |              |              |               |                |
|               |            |            | MAX 36     | MAX 519      |            |            |            |              |              |               |                |



**TABLE 4 TABULATED CURB AND ANCHORAGE INFORMATION PER VARYING HEIGHT**

|   |                   | 0 < H ≤ 18"                  | 18" < H ≤ 22" | 22" < H ≤ 30" | 30" < H ≤ 36" |
|---|-------------------|------------------------------|---------------|---------------|---------------|
| A | CURB THICKNESS    | 14 GA                        | 14 GA         | 12 GA         | 12 GA         |
| B | EXP. ANCHOR       | 6                            | 6             | 6             | 8             |
| C | EXP. ANCHOR       | 4                            | 4             | 4             | 4             |
| D | WELD              | 24"                          | 24"           | 24"           | 18"           |
| E | SCREWS            | 16                           | 16            | 18            | 20            |
| F | SCREWS            | 12                           | 12            | 12            | 14            |
| G | DISTANCE          | MAX 0.75"                    | MAX 0.75"     | MAX 0.75"     | MAX 0.75"     |
| H | NO. OF CLIPS      | 6                            | 6             | 6             | 6             |
| I | CLIP SMS          | (4) #12                      | (4) #12       | (4) #12       | (4) #12       |
| J | CLIP SMS          | (8) #12                      | (8) #12       | (8) #12       | (8) #12       |
| K | ISO RAIL          | 10 GA 7.5" DEEP X 1" FLANGES |               |               |               |
| L | NO. OF ISOLATORS  | 6                            |               |               |               |
| M | NO. OF STIFFENERS | 6                            |               |               |               |

NOTE:  
SEE PAGE 1 FOR CLIP SMS FOR CONTINUOUS HOLD DOWN ON 1002A AND 1004A

PROJECT: IBC 2018/ CBC 2019 UPDATE

DATE: 12.6.18

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DISTRIBUTOR:

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PAGE 3 OF 3



CANNON FABRICATION INC

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FOR:

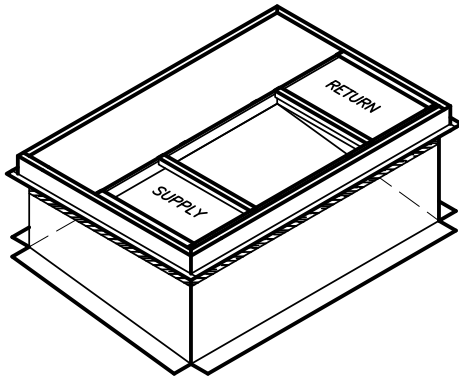
PART NO:

# PITCHED ROOF CURB

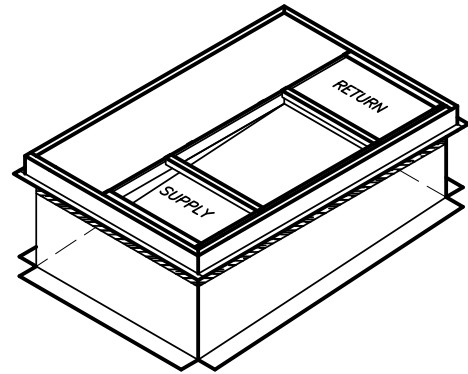
DRAWING MUST ACCOMPANY ALL PITCHED CURB ORDERS

APPLIES TO STANDARD AND ISOLATION CURBS

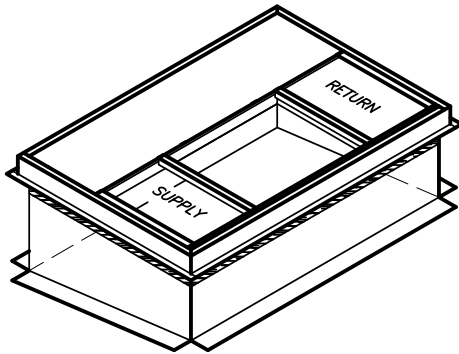
(A)



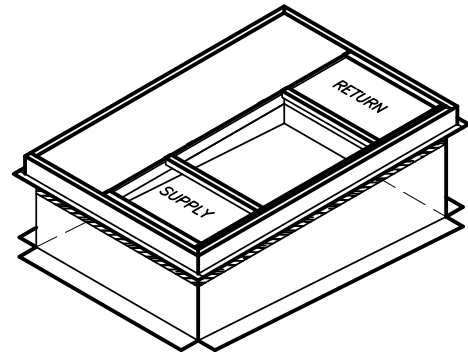
(B)



(C)



(D)



\_\_\_\_\_ ON 12"

(CIRCLE A, B, C OR D TO SPECIFY DUCT PLACEMENT)

PROJECT:

DATE: 01.08.19

ENGINEER:

DISTRIBUTOR:

DRAWING NUMBER: