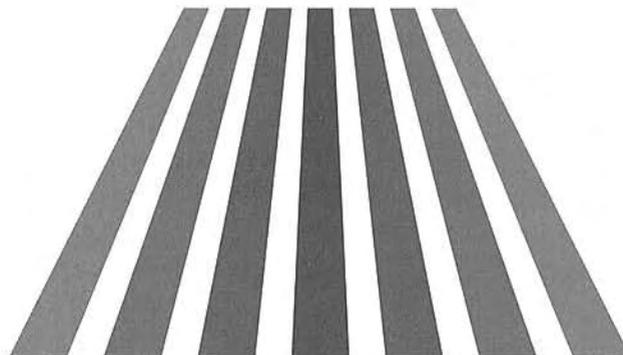


JFE 防護柵

(防護柵の設置基準・同解説書準拠)

ガードケーブル
ボックスビーム



標準図集の目次
ガードケーブル
【路側用】

| 設置条件 | 種別 | 記号 | 頁 |
|---------|----|--------------------|---|
| 土中用 | C | Gc-C-6E, Gc-C-6E-S | 1 |
| | B | Gc-B-6E, Gc-B-6E-S | 2 |
| | A | Gc-A-6E | 3 |
| コンクリート用 | C | Gc-C-4B, Gc-C-4B-S | 4 |
| | B | Gc-B-4B, Gc-B-4B-S | 5 |
| | A | Gc-A-4B | 6 |

【分離帯用】

| 設置条件 | 種別 | 記号 | 頁 |
|---------|----|----------|---|
| 土中用 | Bm | Gc-Bm-6E | 7 |
| コンクリート用 | Bm | Gc-Bm-4B | 8 |

【端末支柱】

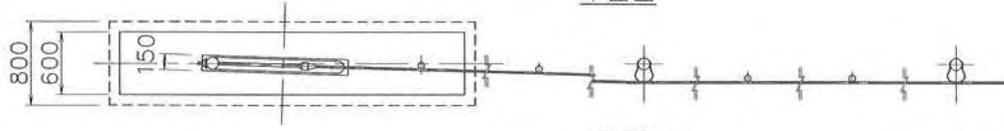
| 設置条件 | 種別 | 記号 | 頁 |
|---------|----|-------------------------|----|
| 土中用 | C | 中間端末支柱(デルタ型)・端末支柱(デルタ型) | 9 |
| | | 着脱式 | 10 |
| コンクリート用 | B | 中間端末支柱(デルタ型)・端末支柱(デルタ型) | 11 |
| | | 着脱式 | 12 |

【その他】

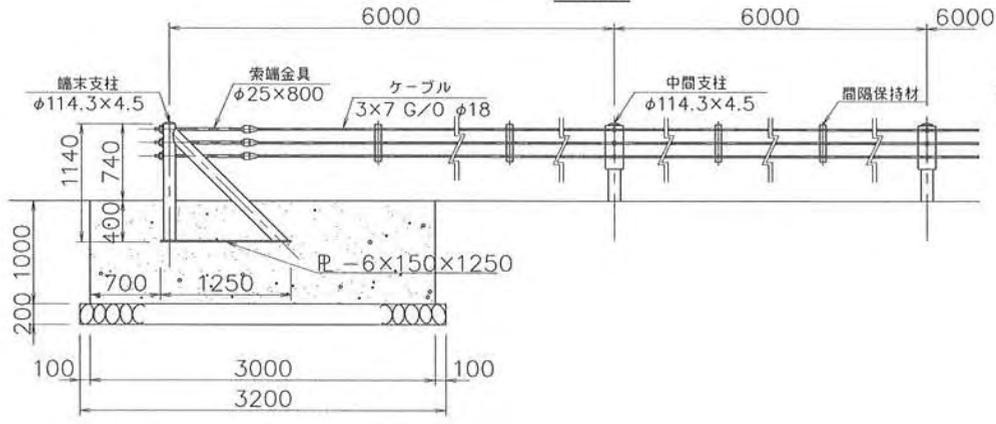
| 項目 | 頁 |
|---------------------------------|----|
| 別図-1 コンクリート埋め込み支柱の定着部補強筋(砂詰め固定) | 13 |

Gc-C-6E
Gc-C-6E-S

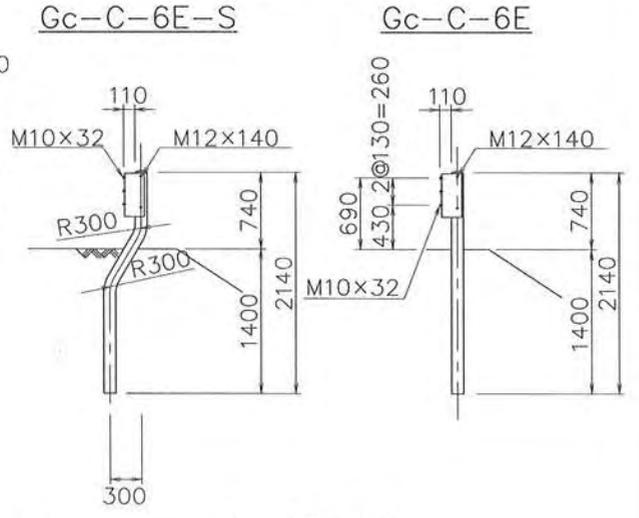
平面図



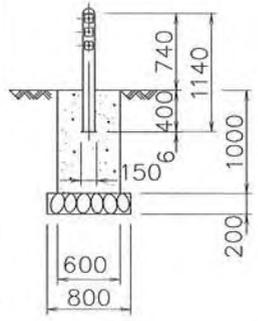
正面図



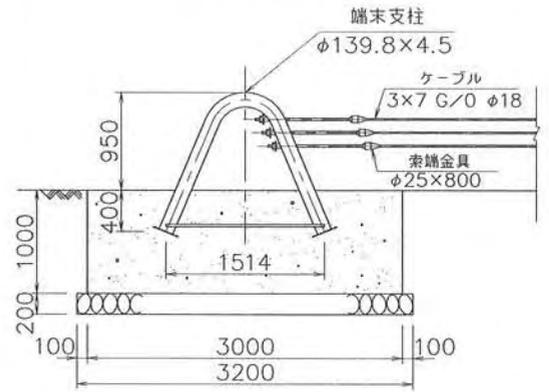
側面図



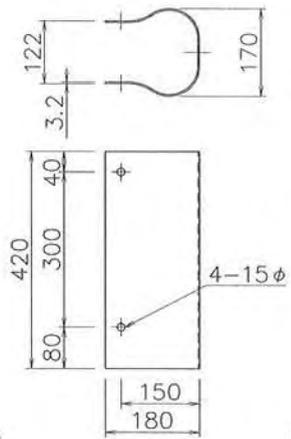
端末支柱



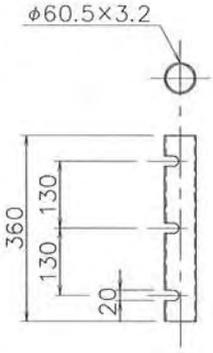
デルタ型端末支柱



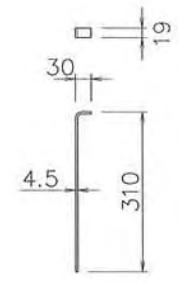
ブラケット



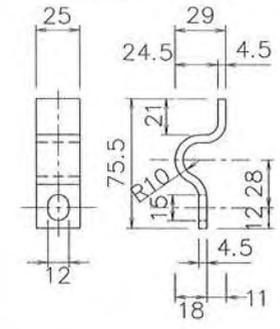
間隔保持材



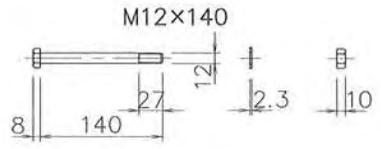
ピン



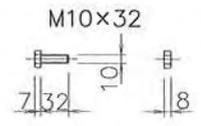
ケーブル止金具



ブラケット取付用ボルト

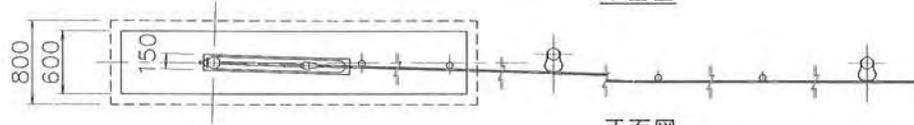


ロープ取付金具用ボルト

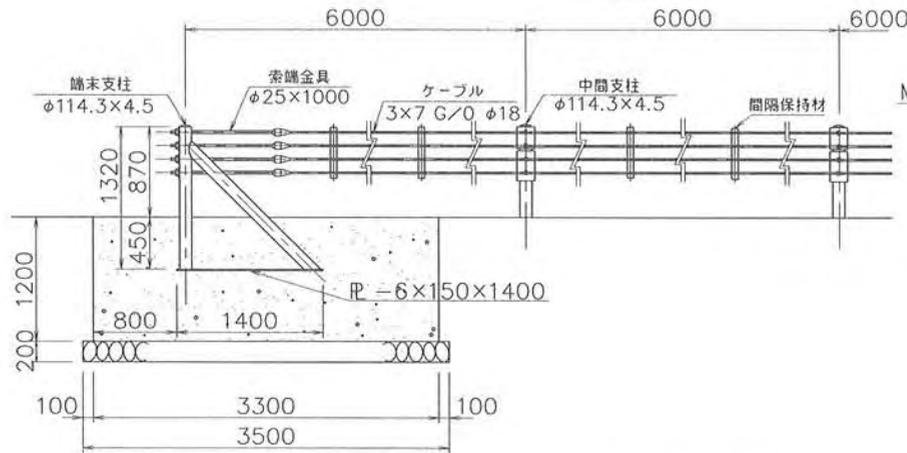


Gc-B-6E
Gc-B-6E-S

平面図

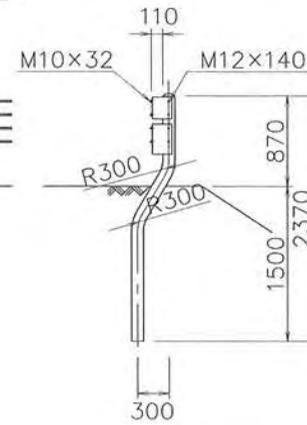


正面図

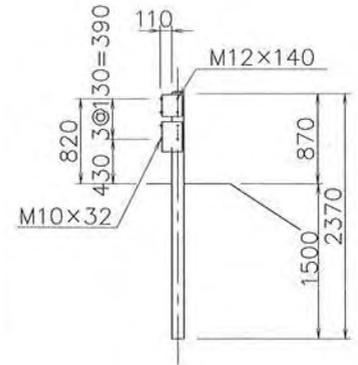


側面図

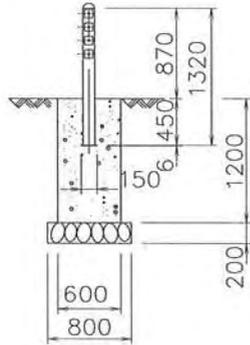
Gc-B-6E-S



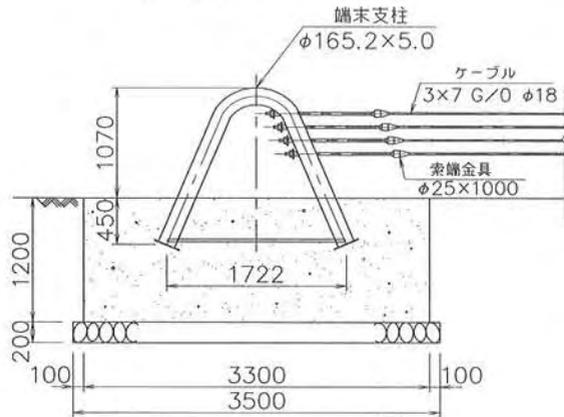
Gc-B-6E



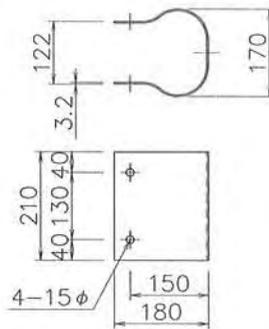
端末支柱



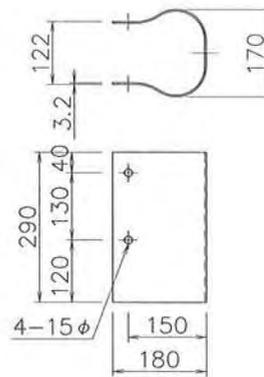
デルタ型端末支柱



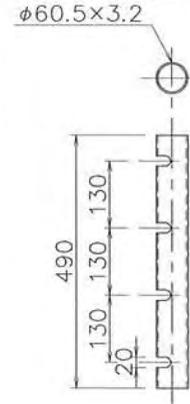
上段ブラケット



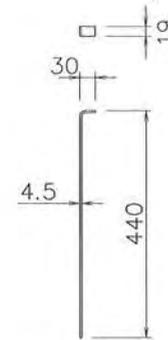
下段ブラケット



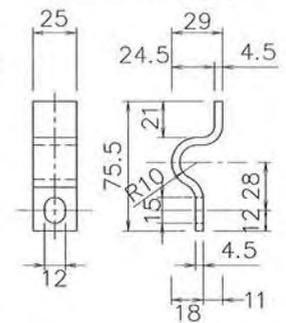
間隔保持材



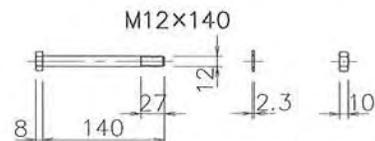
ピン



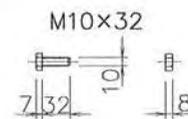
ケーブル止金具



ブラケット取付用ボルト

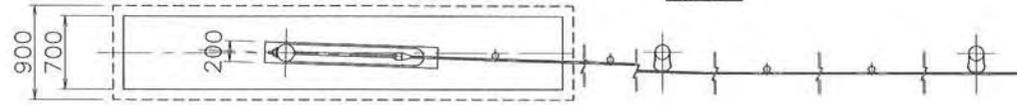


ロープ取付金具用ボルト

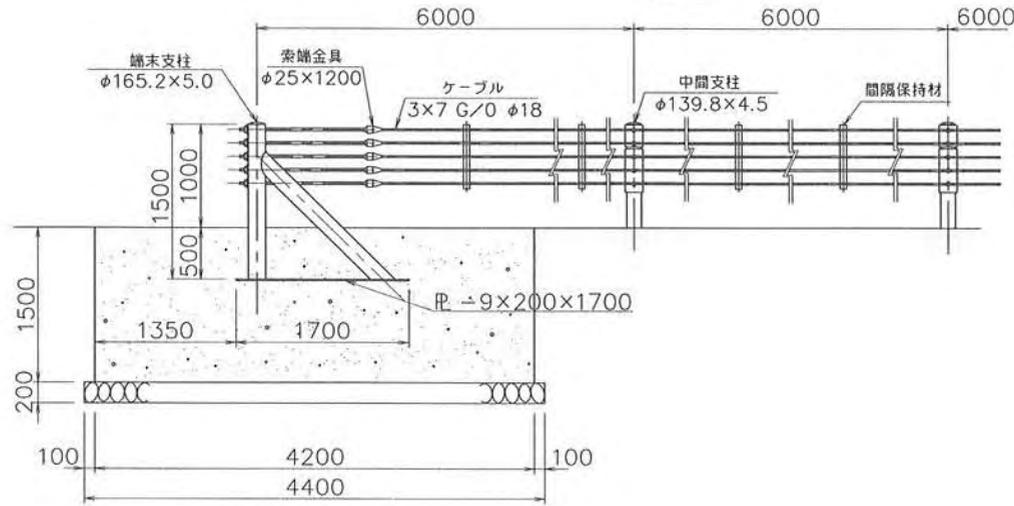


Gc-A-6E

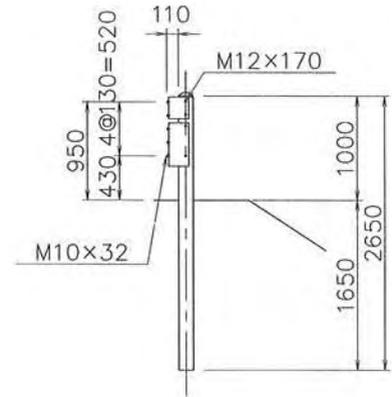
平面図



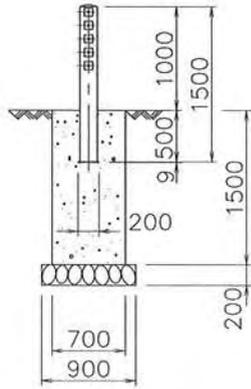
正面図



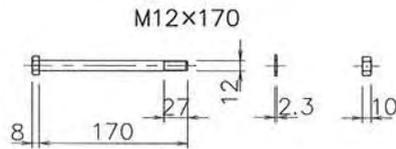
側面図



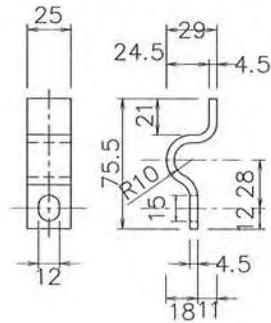
端末支柱



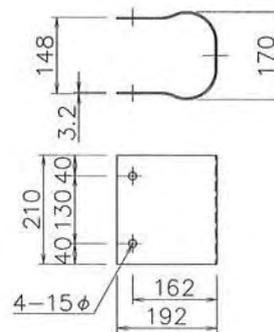
ブラケット取付用ボルト



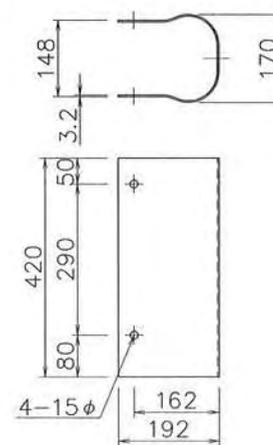
ケーブル止金具



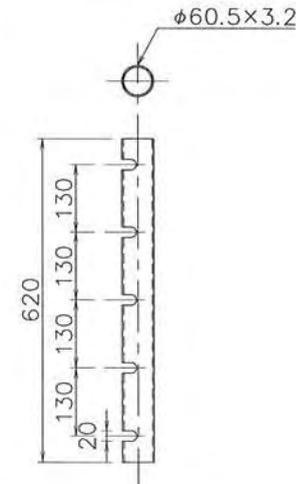
上段ブラケット



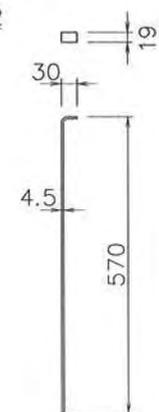
下段ブラケット



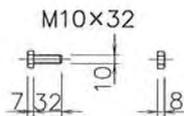
間隔保持材



ピン

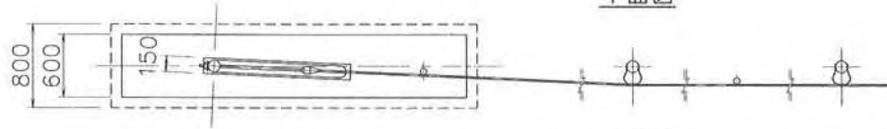


ロープ取付金具用ボルト

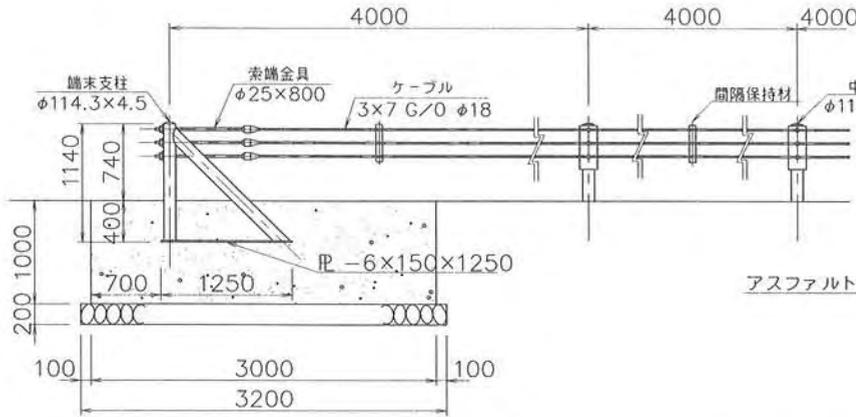


Gc-C-4B
Gc-C-4B-S

平面図



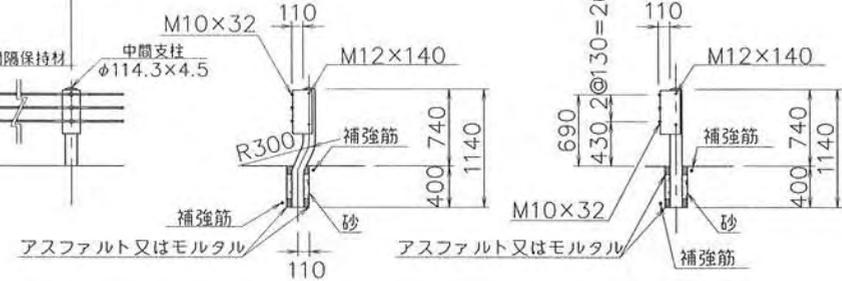
正面図



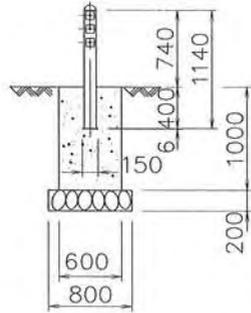
側面図

Gc-C-4B-S

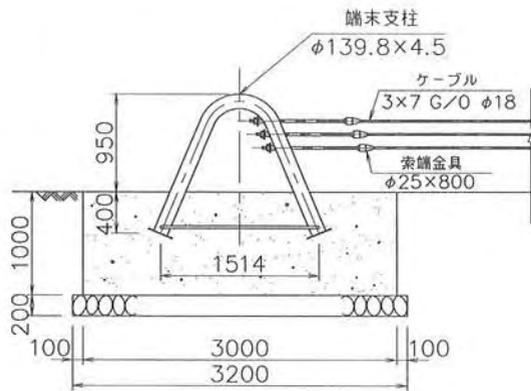
Gc-C-4B



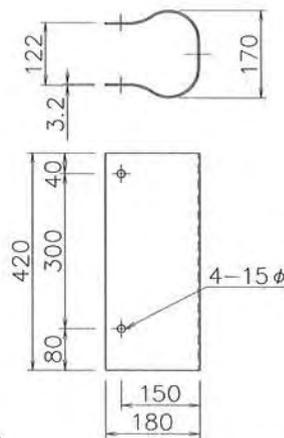
端末支柱



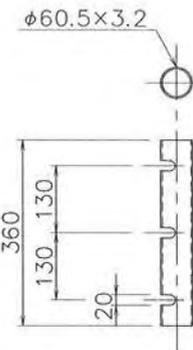
デルタ型端末支柱



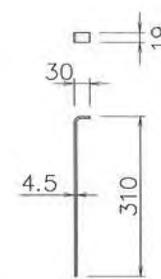
ブラケット



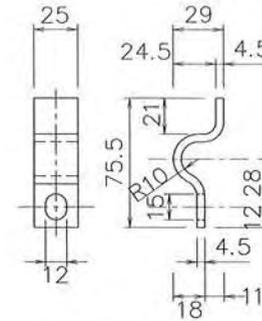
間隔保持材



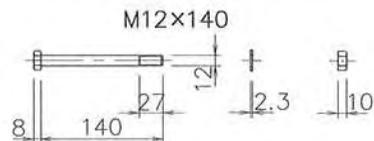
ピン



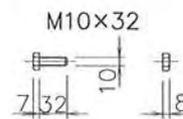
ケーブル止金具



ブラケット取付用ボルト

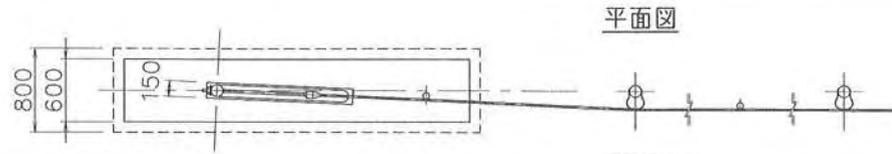


ロープ取付金具用ボルト

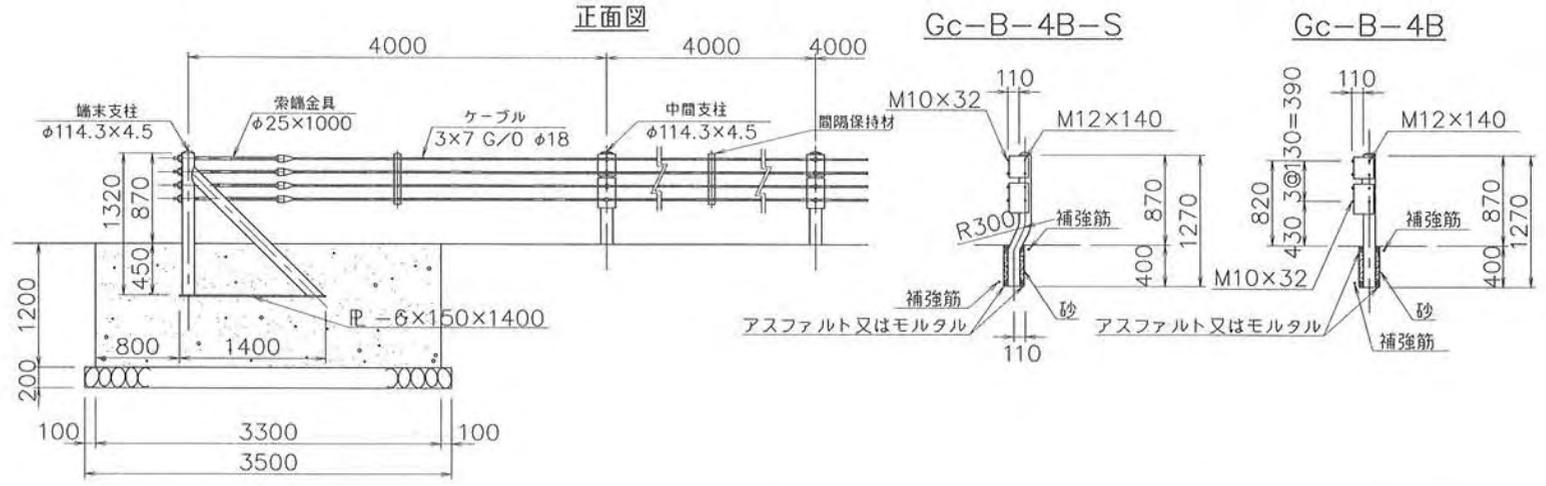


(注) 補強筋配置の詳細は別図-1に示す

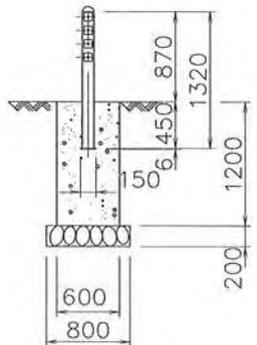
Gc-B-4B
Gc-B-4B-S



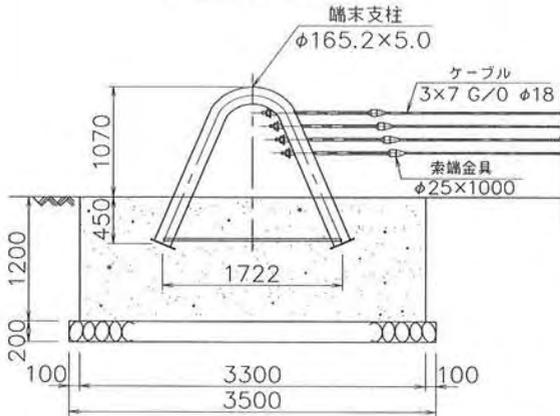
側面図



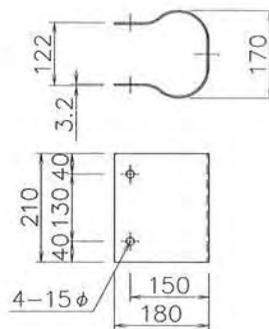
端末支柱



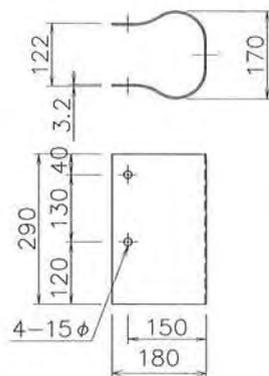
デルタ型端末支柱



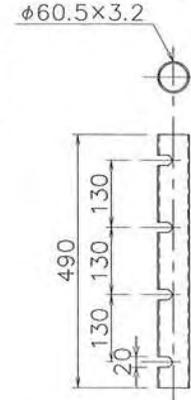
上段ブラケット



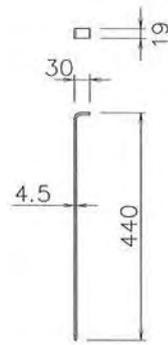
下段ブラケット



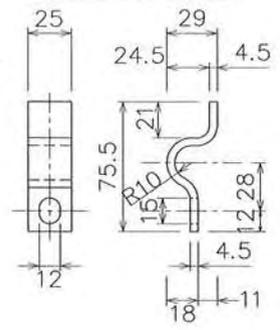
間隔保持材



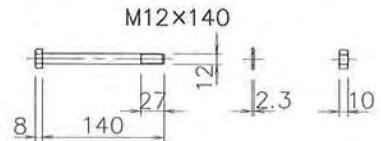
ピン



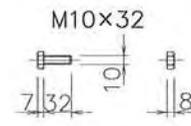
ケーブル止金具



ブラケット取付用ボルト



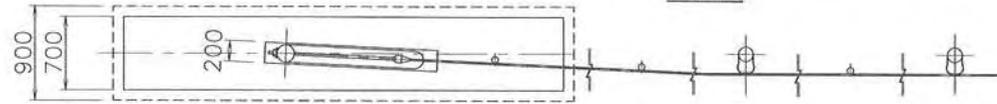
ロープ取付金具用ボルト



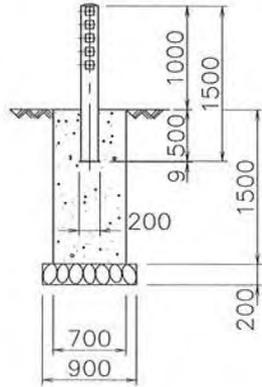
(注) 補強筋配置の詳細は別図-1に示す

Gc-A-4B

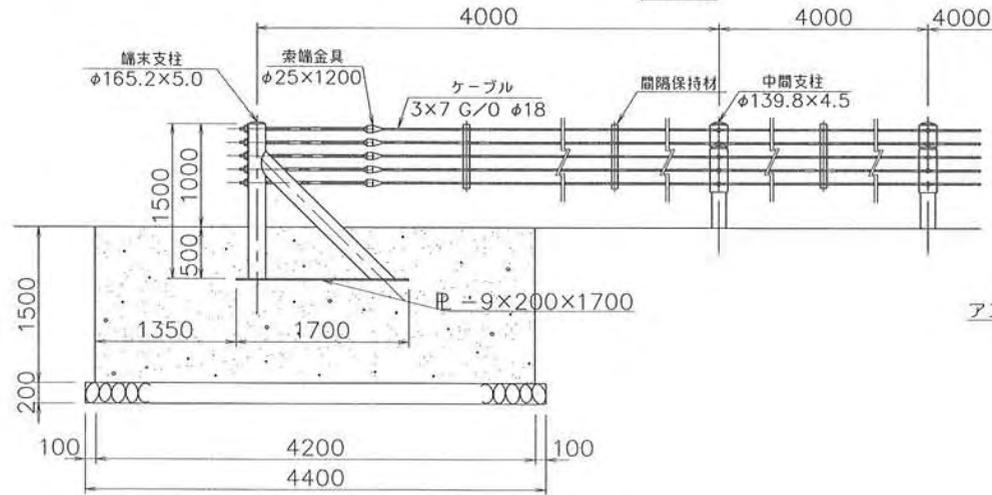
平面図



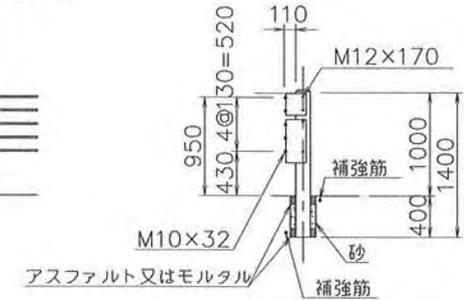
端末支柱



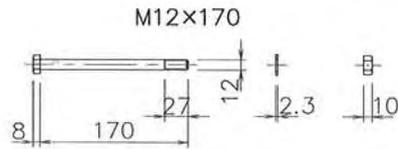
正面図



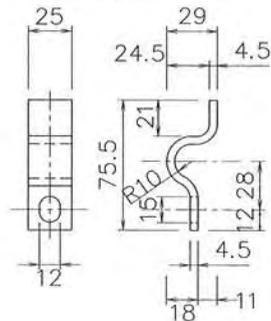
側面図



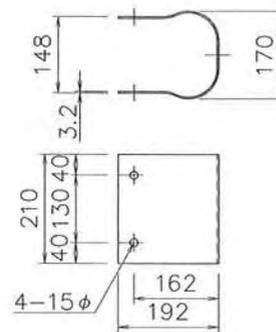
ブラケット取付用ボルト



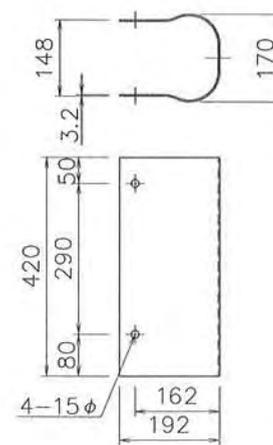
ケーブル止金具



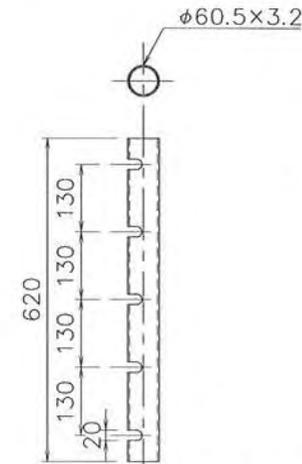
上段ブラケット



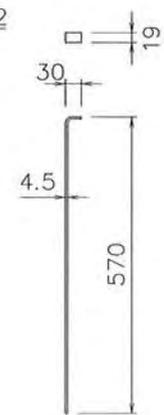
下段ブラケット



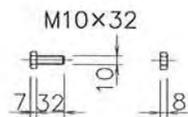
間隔保持材



ピン

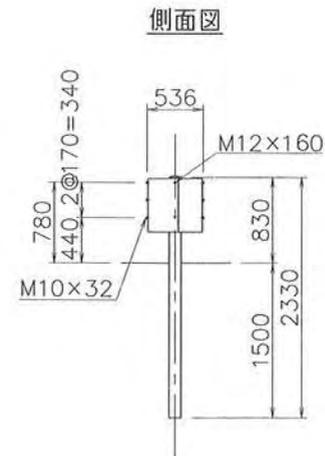
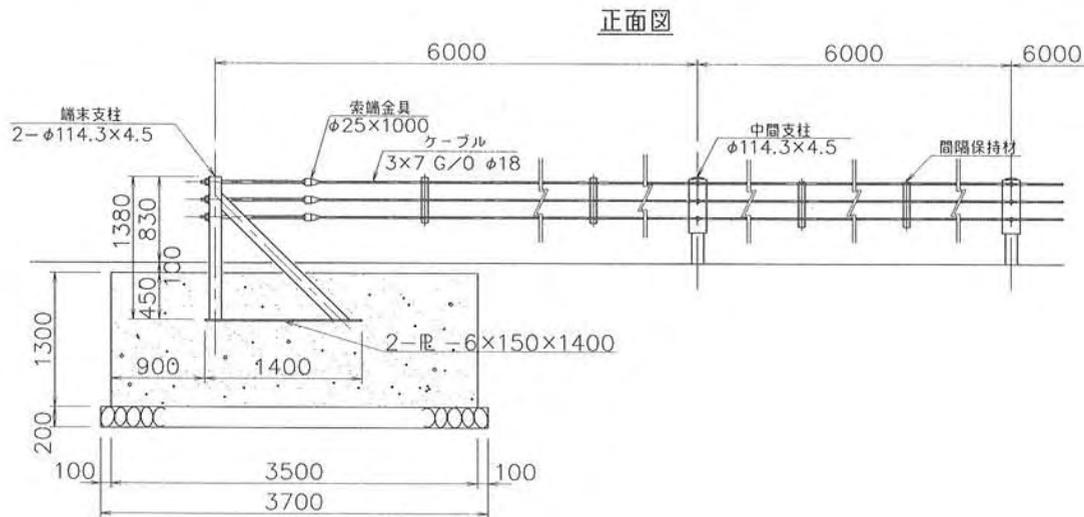
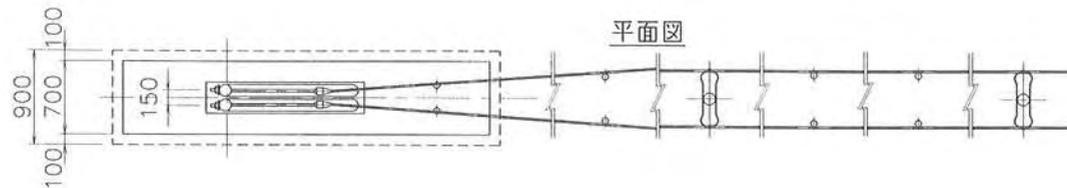


ロープ取付金具用ボルト

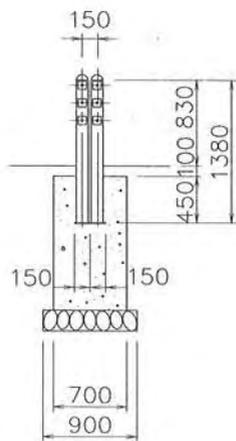


(注) 補強筋配置の詳細は別図-1に示す

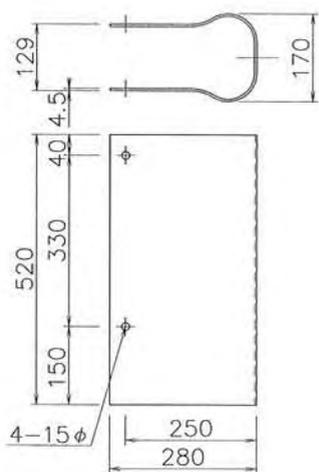
Gc-Bm-6E



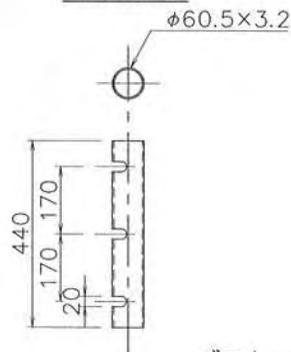
端末支柱



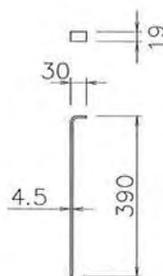
ブラケット



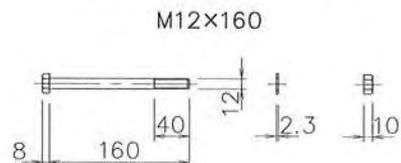
間隔保持材



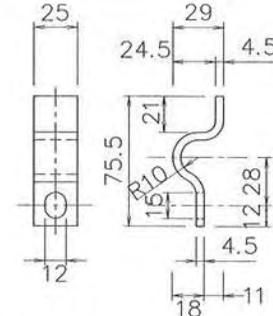
ピン



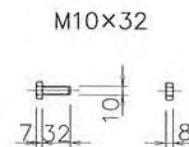
ブラケット取付用ボルト



ケーブル止金具



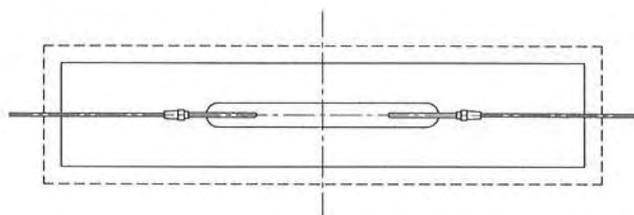
ロープ取付金具用ボルト



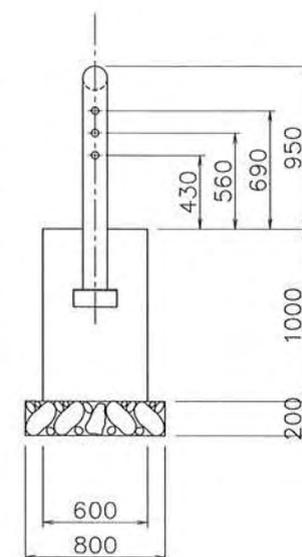
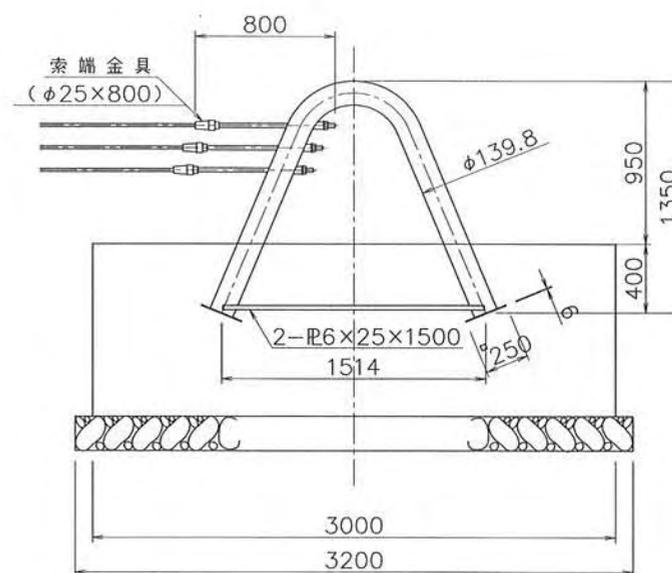
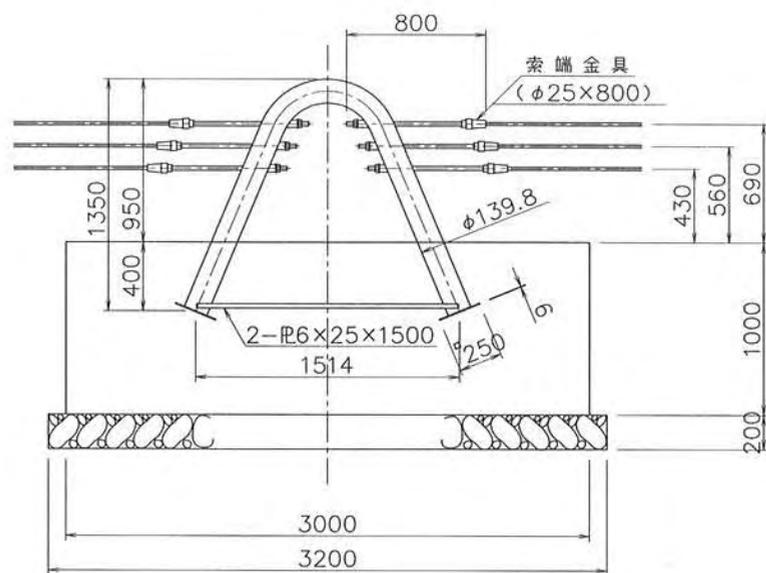
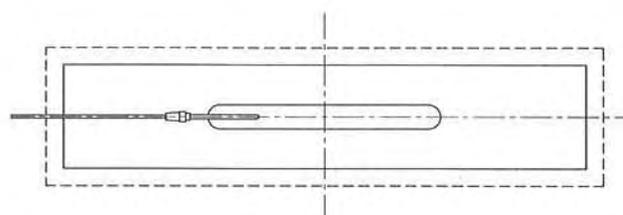
C種中間端末支柱（デルタ型）
C種端末支柱（デルタ型）

組立図

中間 端末支柱

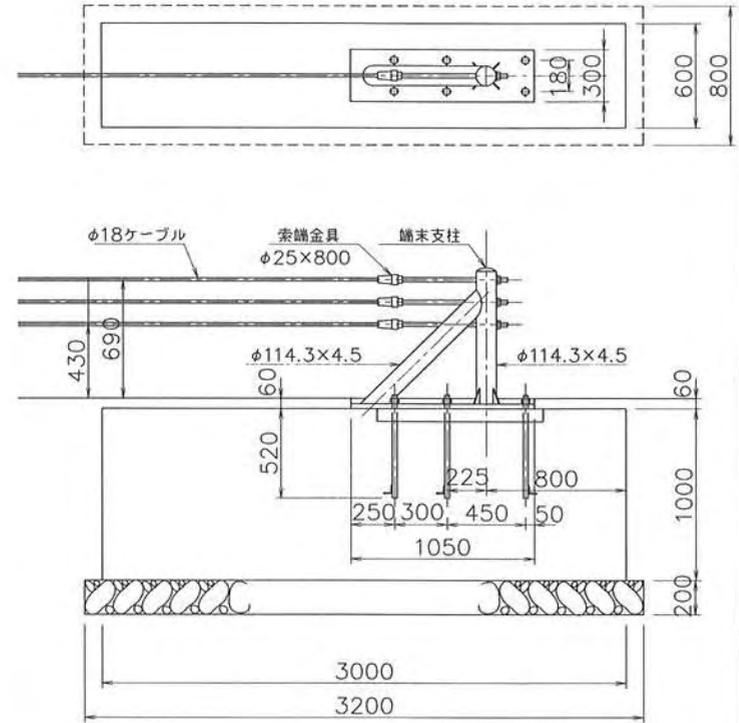


端末支柱

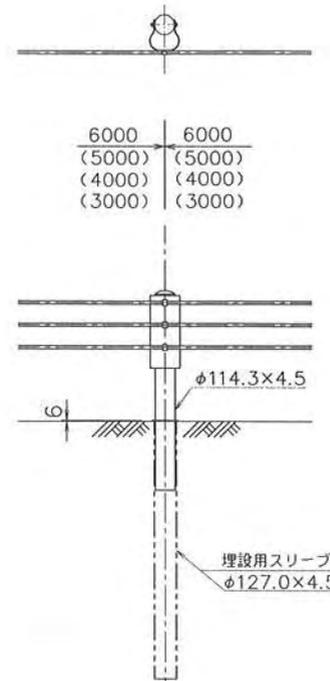
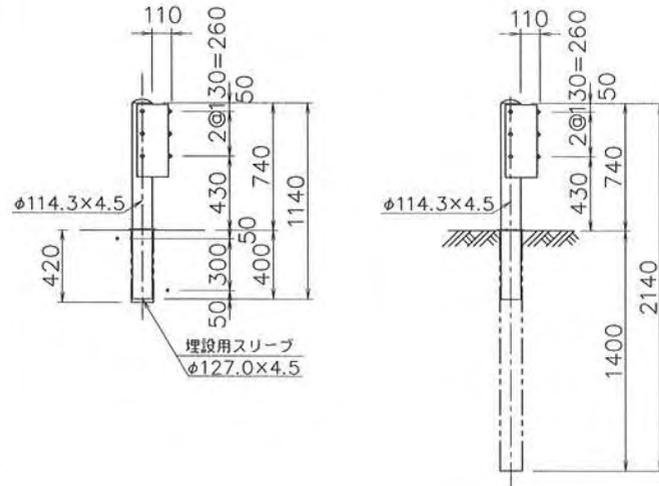


C種 着脱式

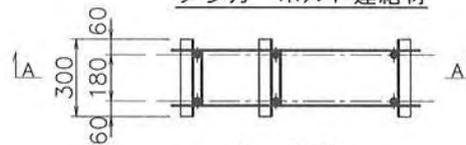
組立図



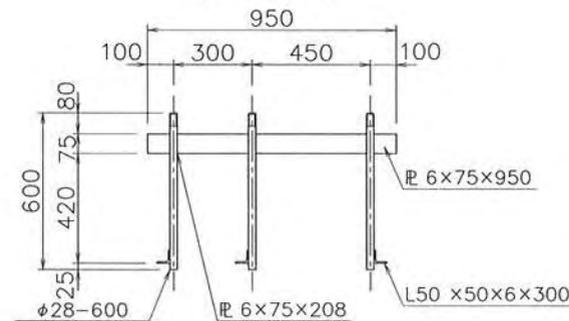
中間支柱



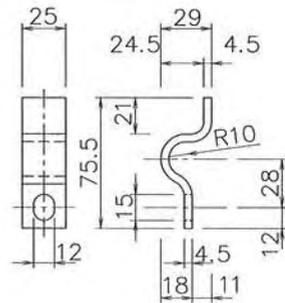
アンカーボルト連結材



A-A断面



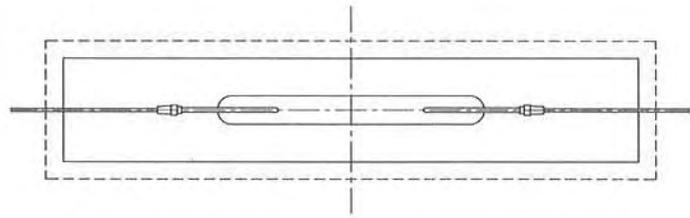
ケーブル止金具



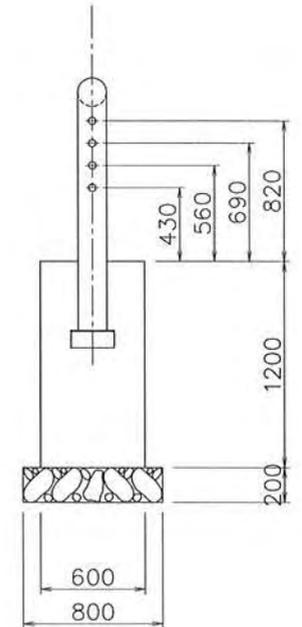
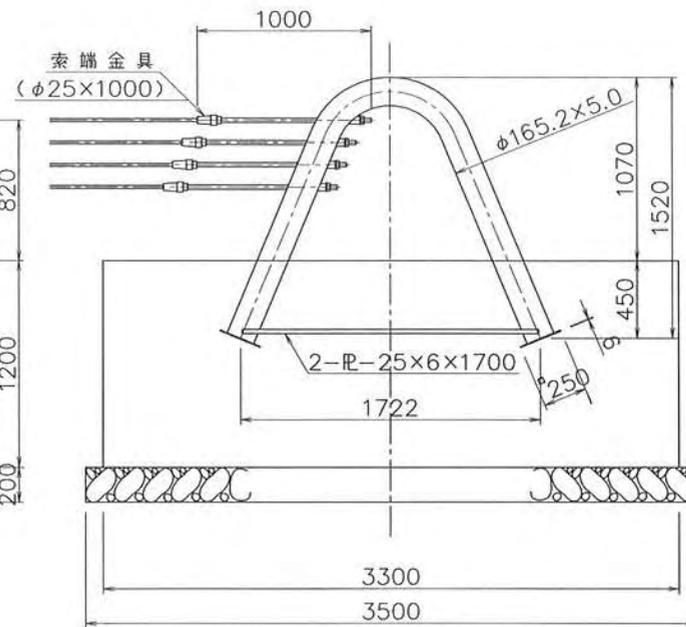
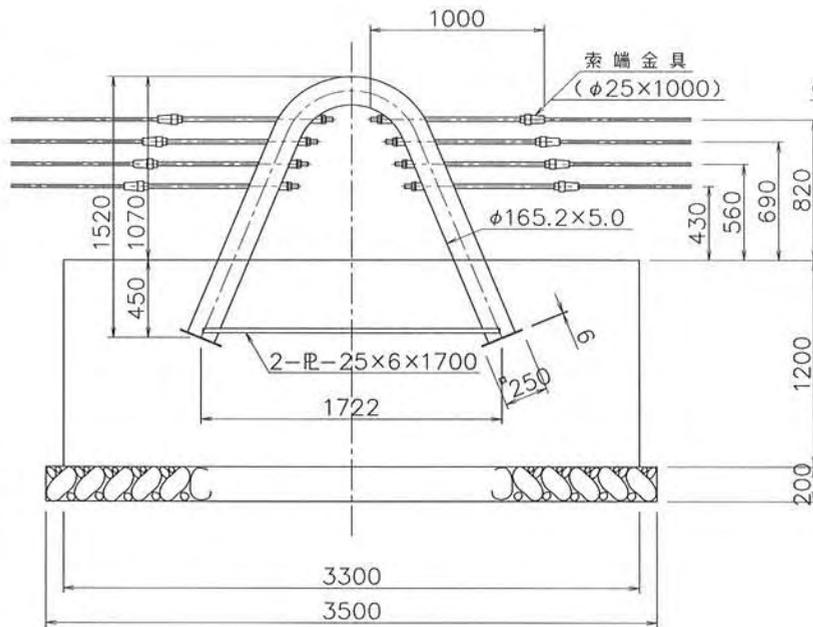
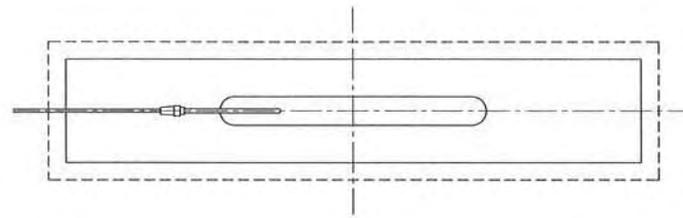
B種中間末端支柱（ゲル型）
 B種末端支柱（ゲル型）

組立図

中間末端支柱

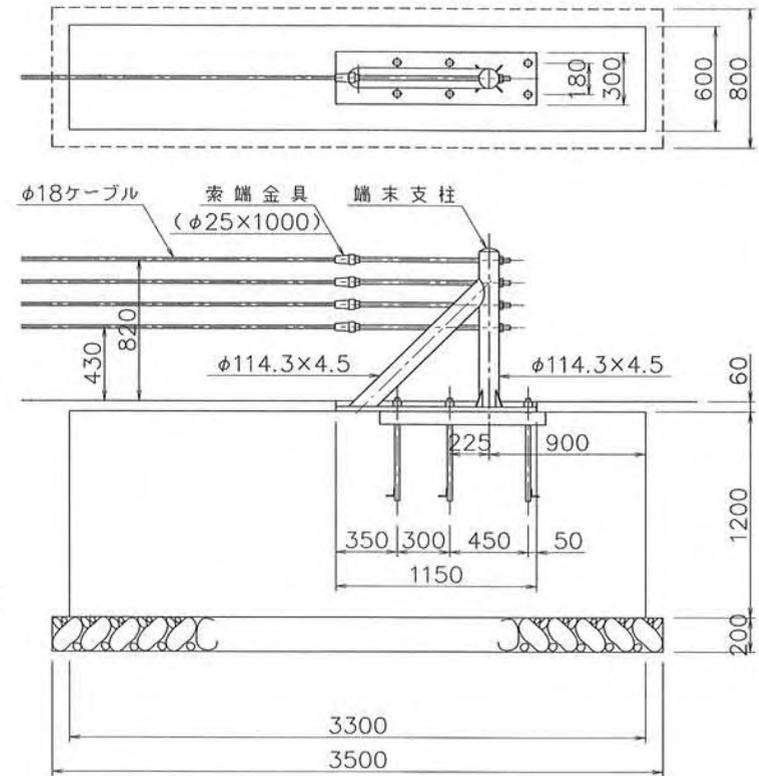


末端支柱

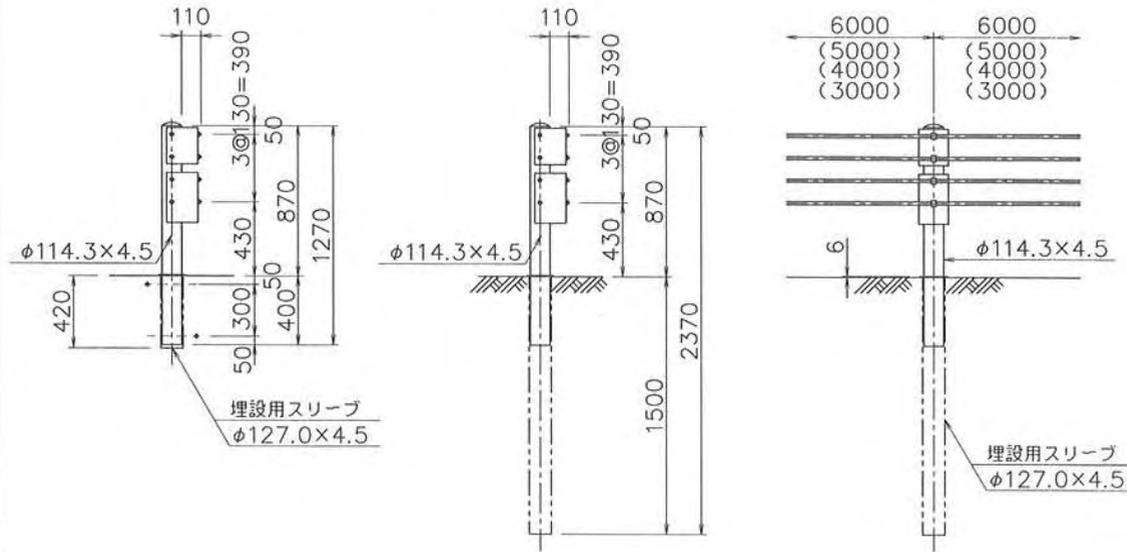


B種 着脱式

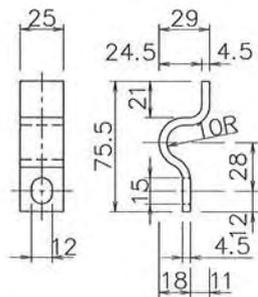
組立図



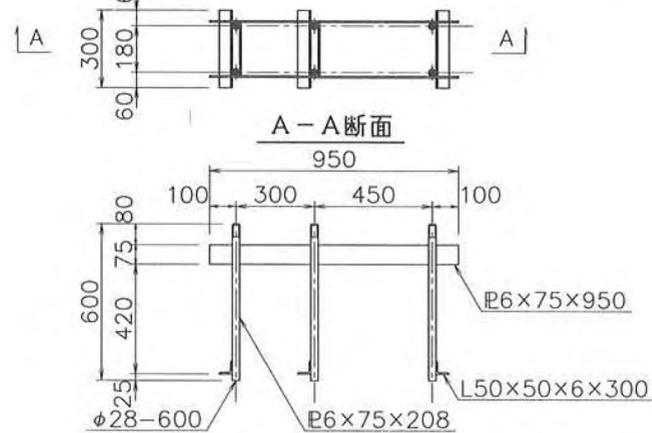
中間支柱



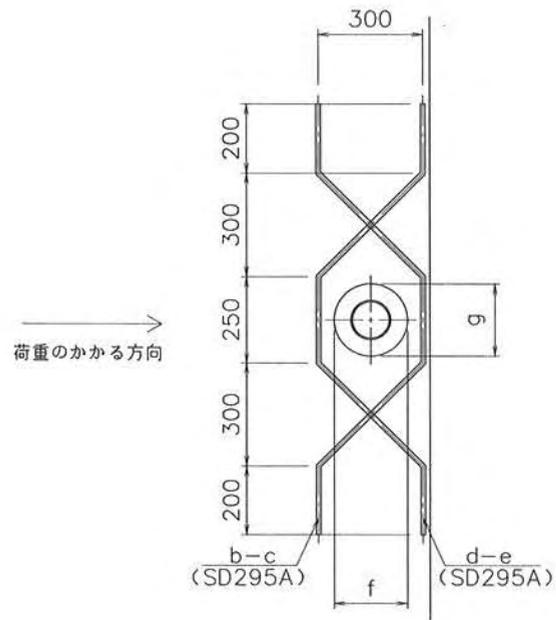
ケーブル止金具



アンカーボルト連結材

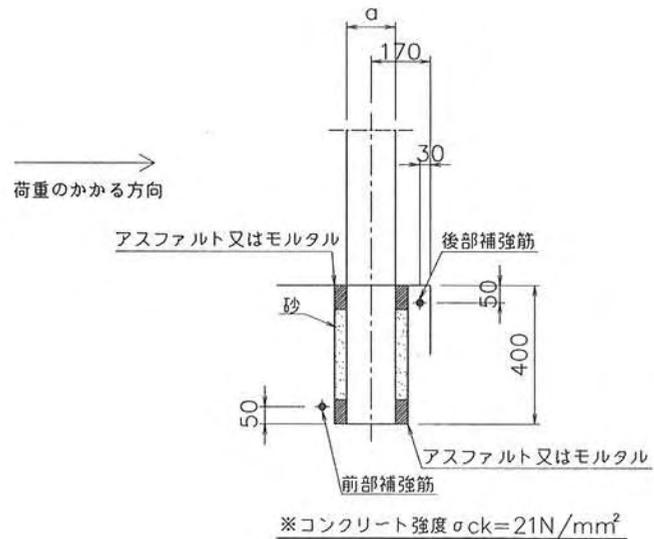


別図-1 コンクリート埋め込み支柱の定着部補強筋
 (埋め込み深さ400mm(砂詰め固定)の場合)



| | | |
|------|-------------------------|--------------------------|
| 仕様記号 | Gc-B-4B | Gc-A-4B |
| | Gc-C-4B | |
| | Gc-Bm-4B | |
| a | $\phi 114.3 \times 4.5$ | $\phi -139.8 \times 4.5$ |
| b | 1 | 1 |
| c | D13 | D13 |
| d | 1 | 1 |
| e | D13 | D13 |
| f | $\phi 180$ | $\phi 200$ |
| g | | |

(注) 分離帯の場合は左右対称に配筋する



標準図集の目次
ボックスビーム
【分離帯用】

| 設置条件 | 種別 | 記号 | 頁 |
|----------------|----|------------|---|
| 土中用 | Bm | Gb-Bm-2E | 1 |
| | Am | Gb-Am-2E | 2 |
| コンクリート用 (*) | Bm | Gb-Bm-2B | 3 |
| | | Gb-Bm-2B-2 | 4 |
| | Am | Gb-Am-2B | 5 |
| | | Gb-Am-2B-2 | 6 |

(*) : 橋梁仕様を含む

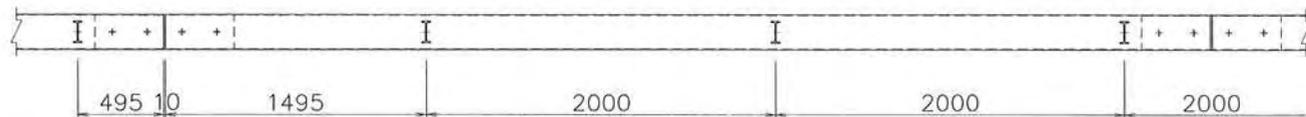
【 端 末 部 】

| 型式 | 種別 | 記号 | 頁 |
|--------|----|---------------------|----|
| R 端 末 | Bm | BER-E, BER-B, BER-P | 7 |
| | Am | | 8 |
| 直線端末 | Bm | BED-E, BED-B | 9 |
| | Am | | 10 |
| ホ°-ル端末 | Bm | BEP | 11 |
| | Am | | 12 |

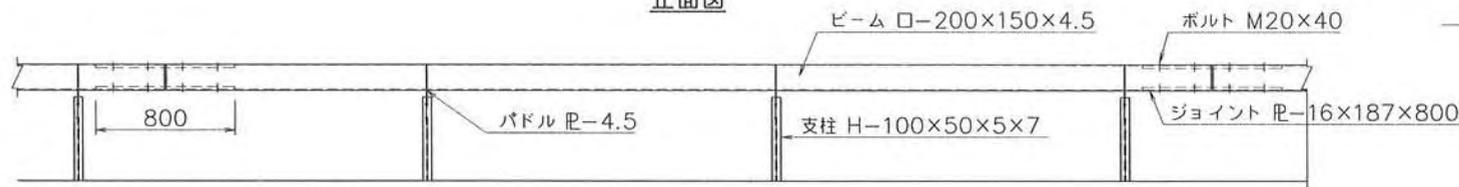
【 そ の 他 】

| 項 目 | 頁 |
|---------------------------------|----|
| 別図-1 コンクリート埋め込み支柱の定着部補強筋(砂詰め固定) | 13 |
| 別図-2 コンクリート埋め込み支柱の定着部補強筋(珪砂固定) | 14 |

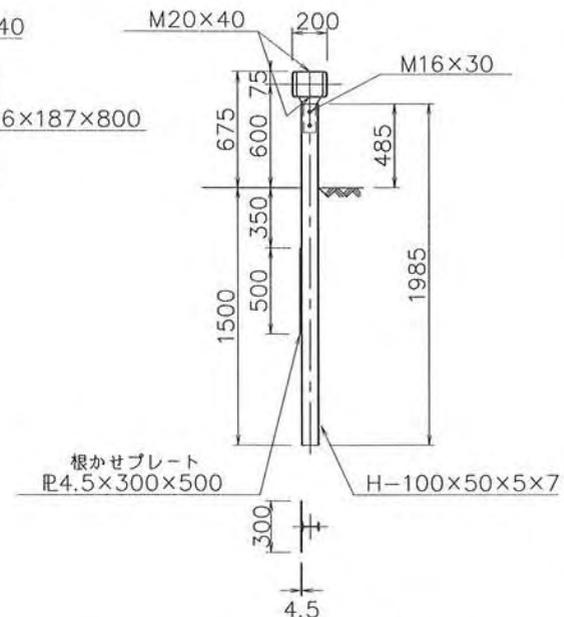
平面図



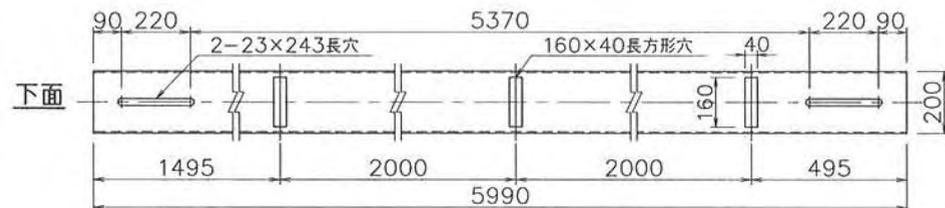
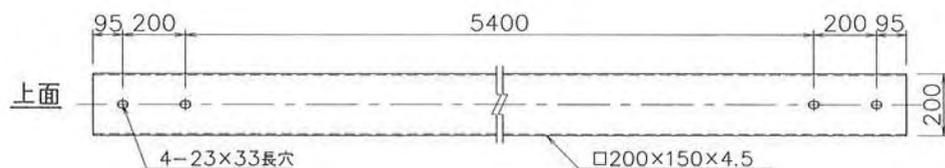
正面図



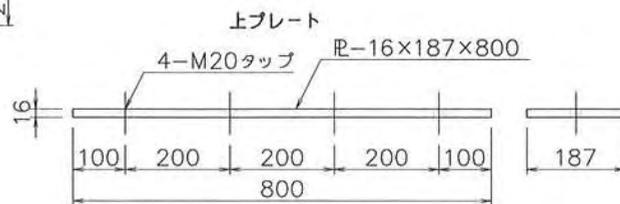
側面図



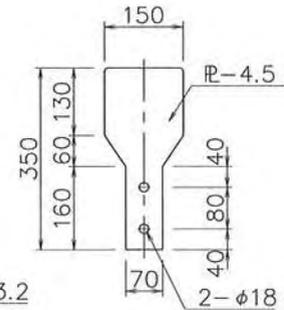
ビーム



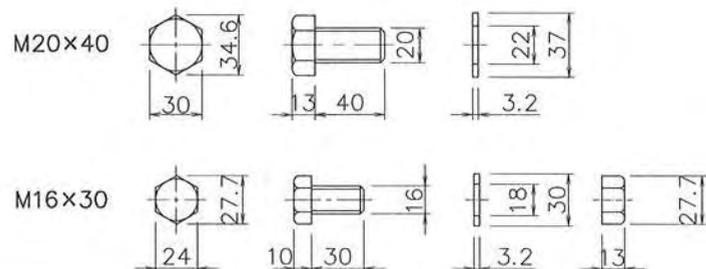
ジョイント



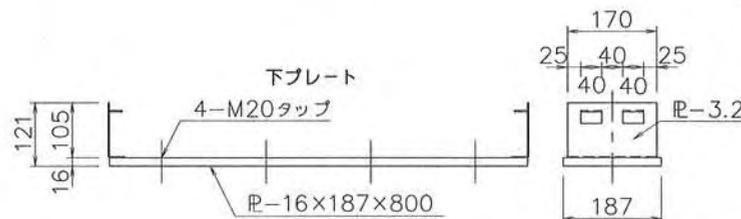
パドル



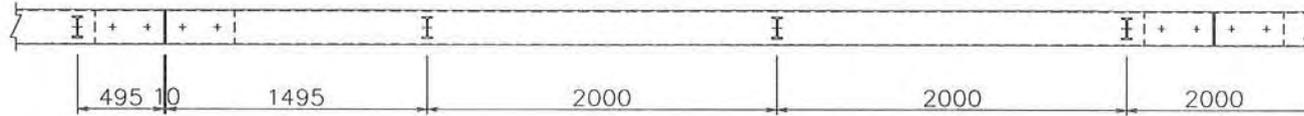
取付ボルト



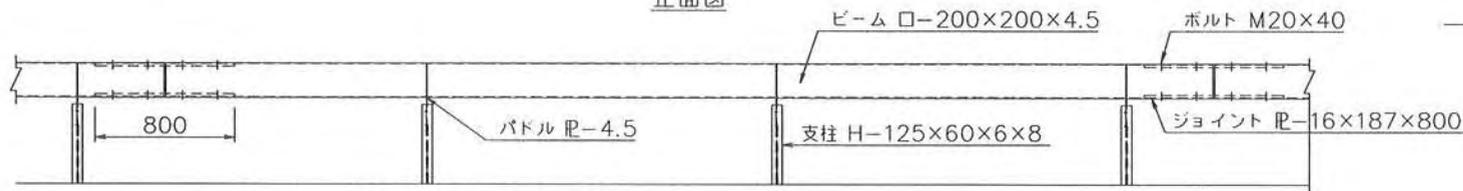
下プレート



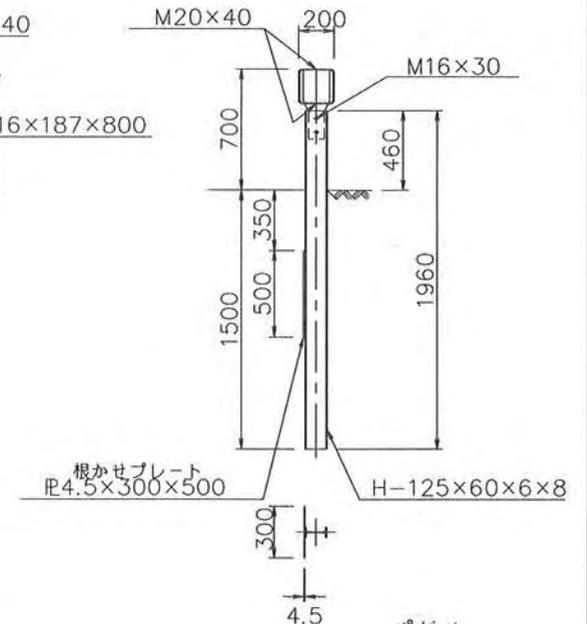
平面図



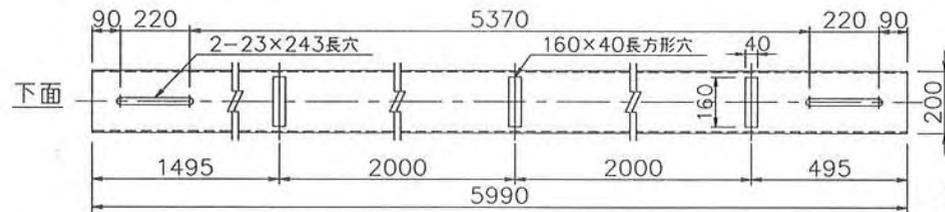
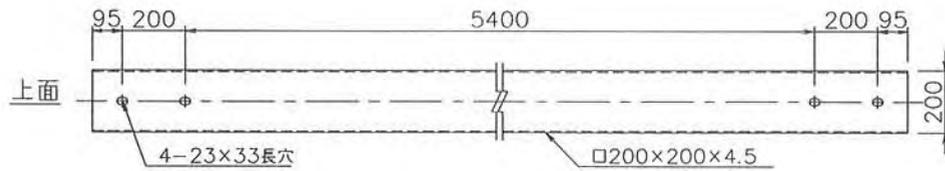
正面図



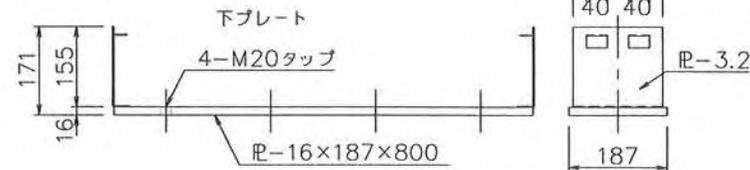
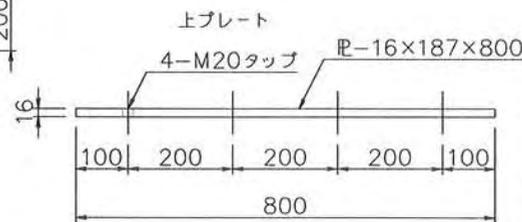
側面図



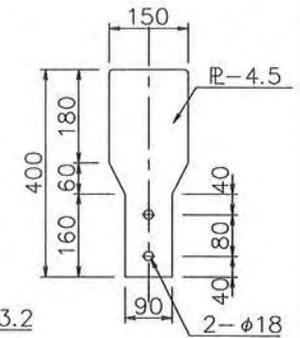
ビーム



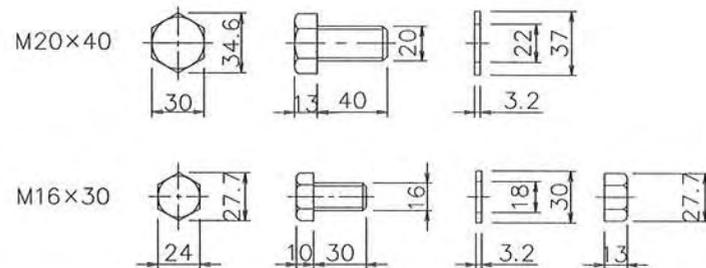
ジョイント



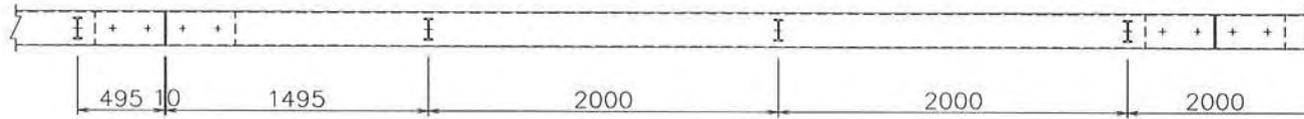
パドル



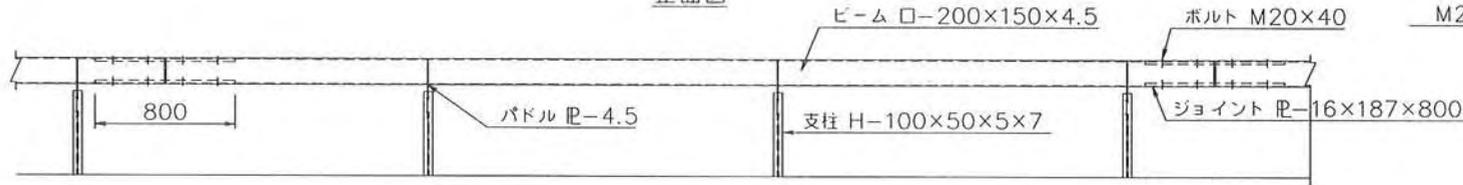
取付ボルト



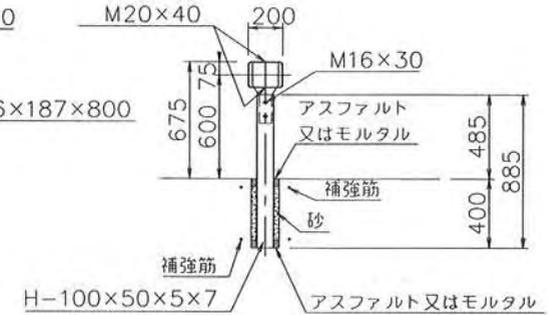
平面図



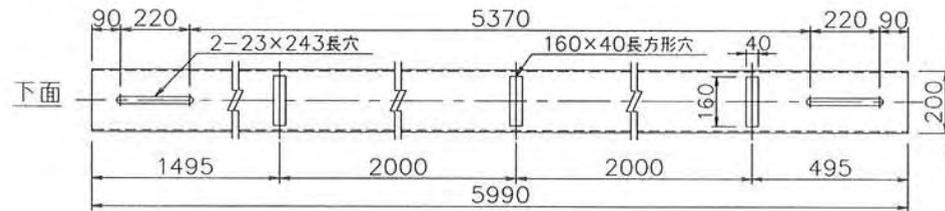
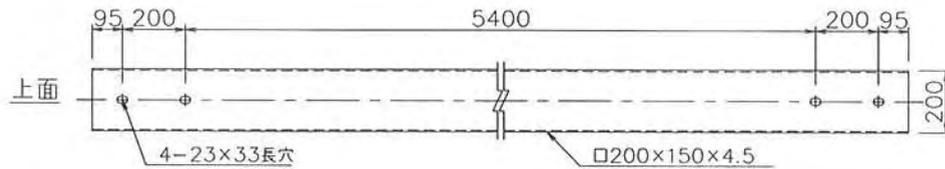
正面図



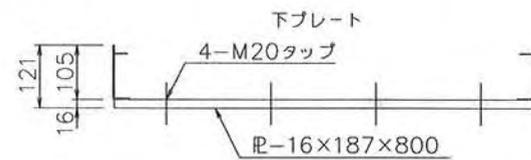
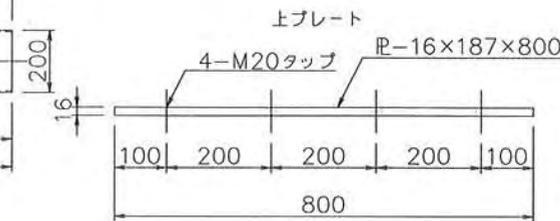
側面図



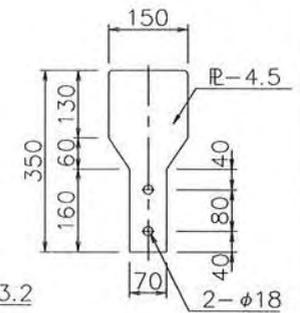
ビーム



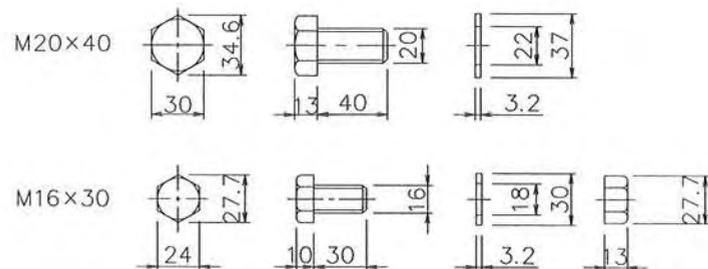
ジョイント



パドル

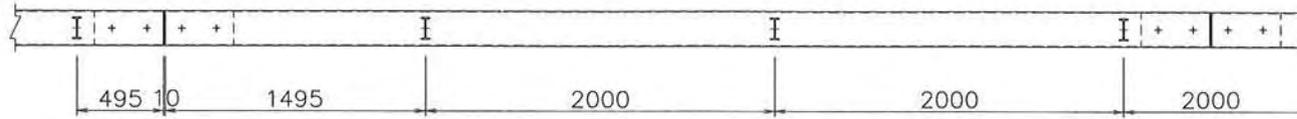


取付ボルト

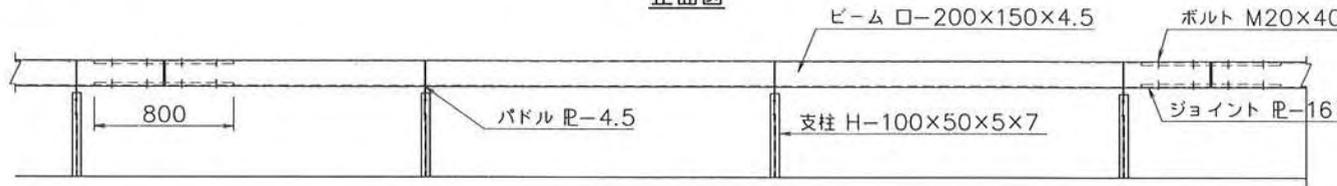


(注) 補強筋配置の詳細は別図-1に示す

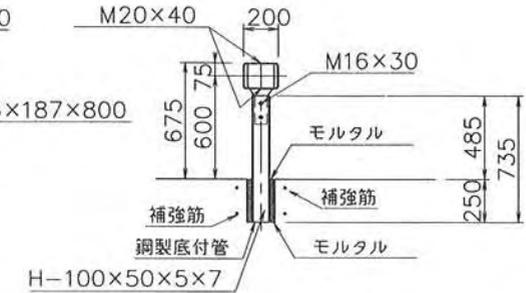
平面図



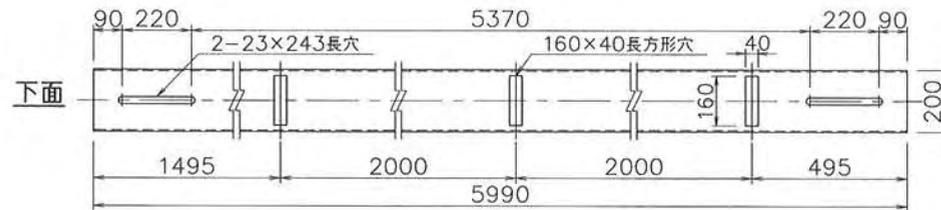
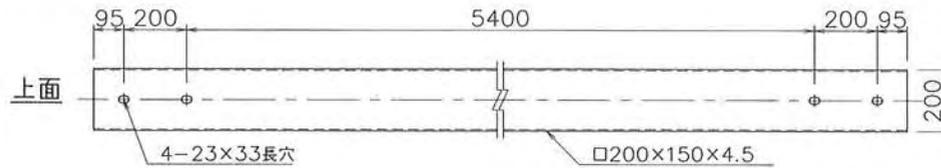
正面図



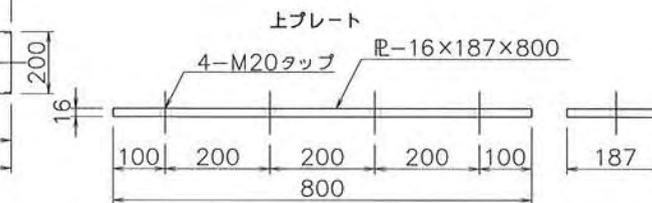
側面図



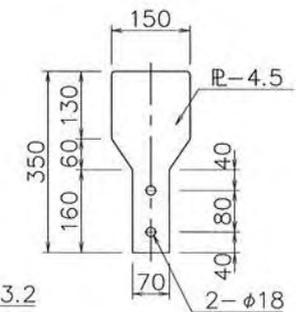
ビーム



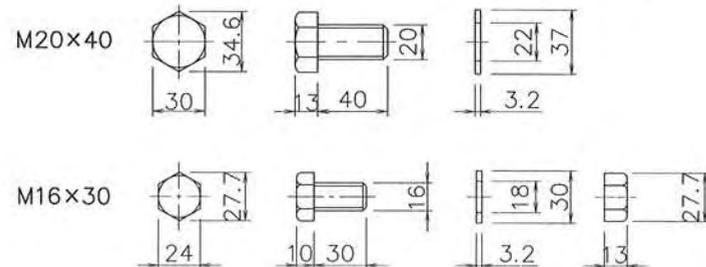
ジョイント



パドル

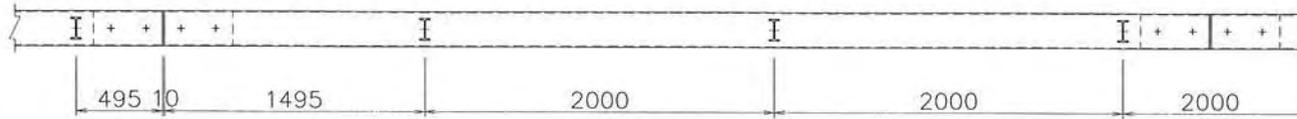


取付ボルト

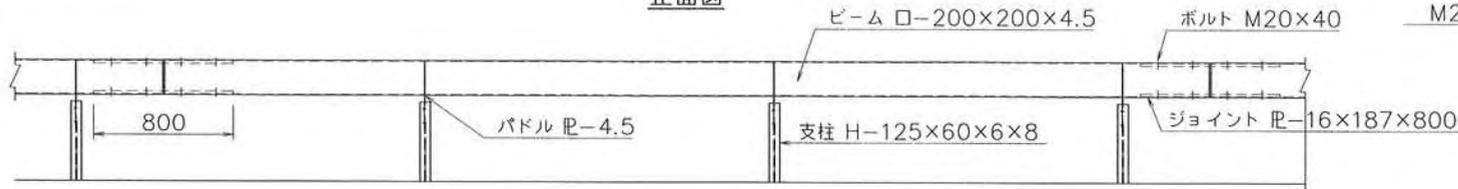


(注) 補強筋配置の詳細は別図-2に示す

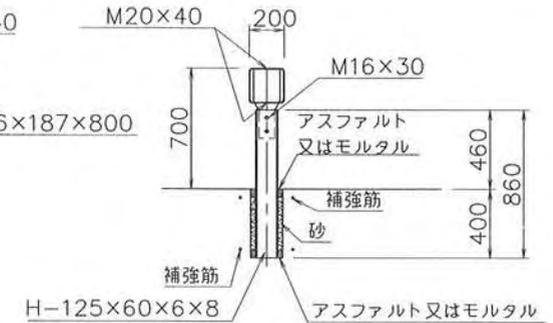
平面図



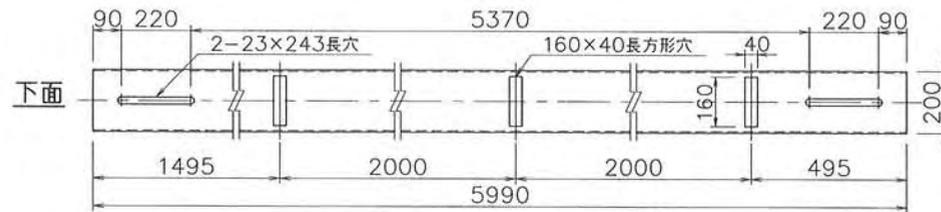
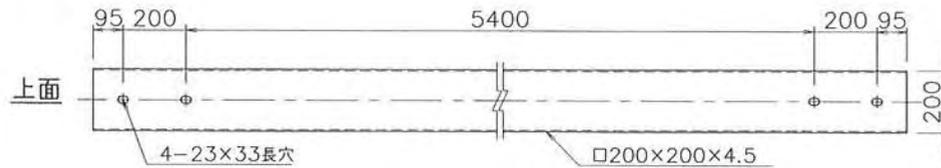
正面図



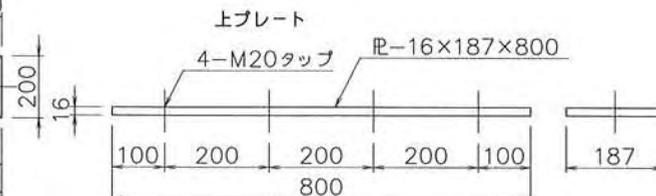
側面図



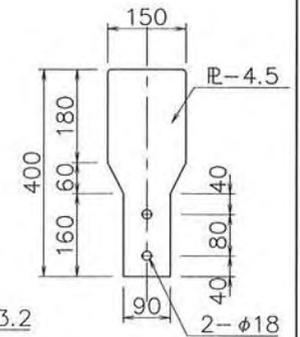
ビーム



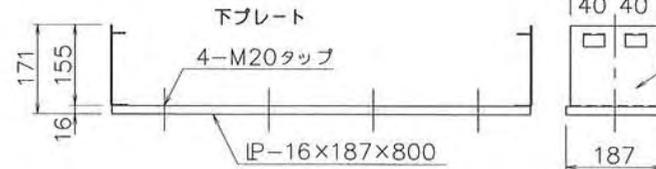
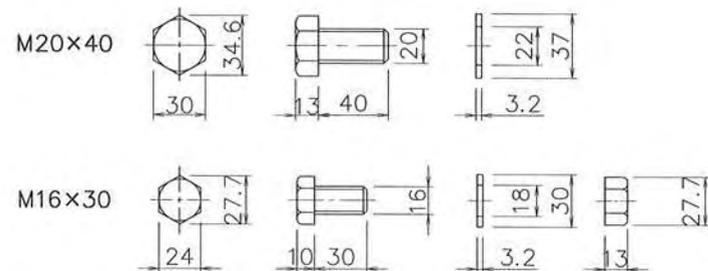
ジョイント



パドル

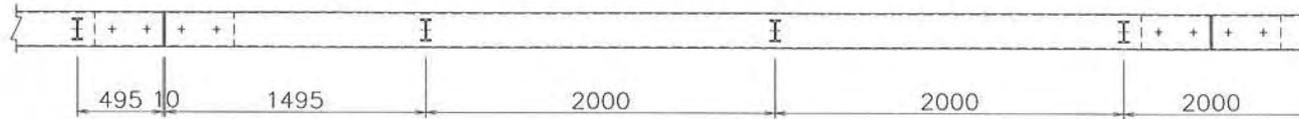


取付ボルト

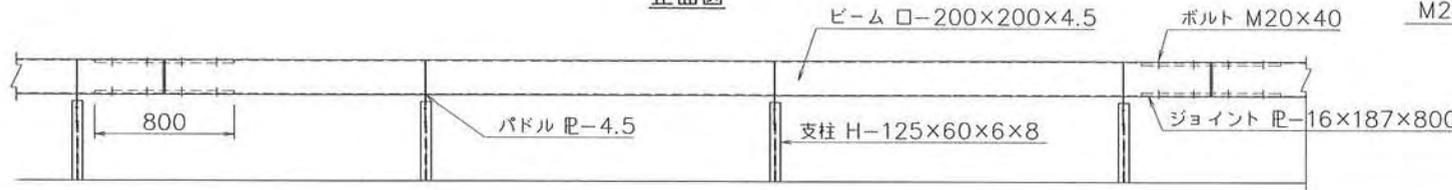


(注) 補強筋配置の詳細は別図-1に示す

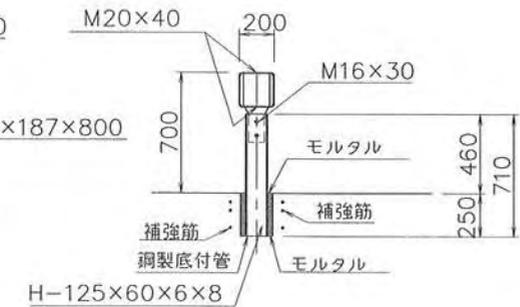
平面図



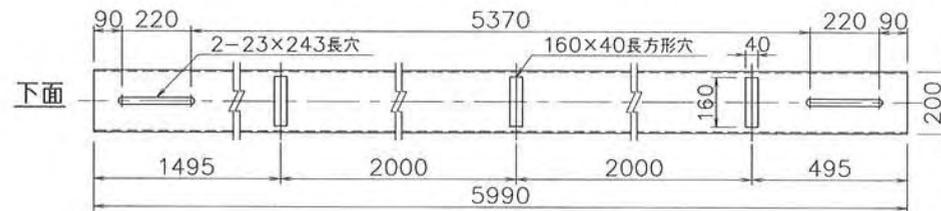
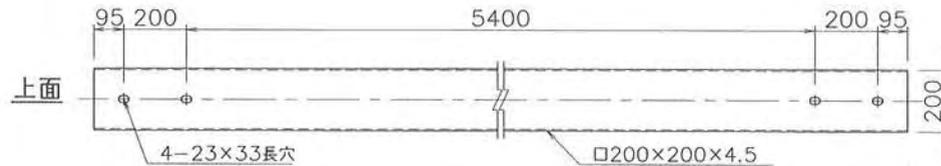
正面図



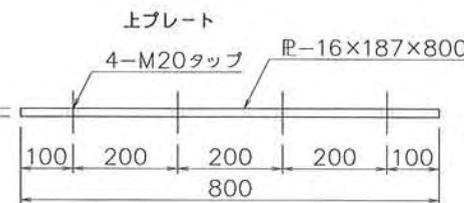
側面図



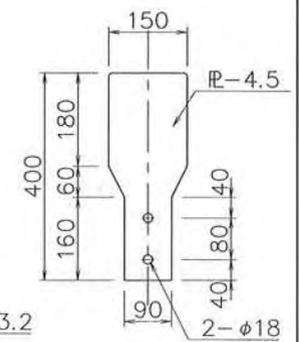
ビーム



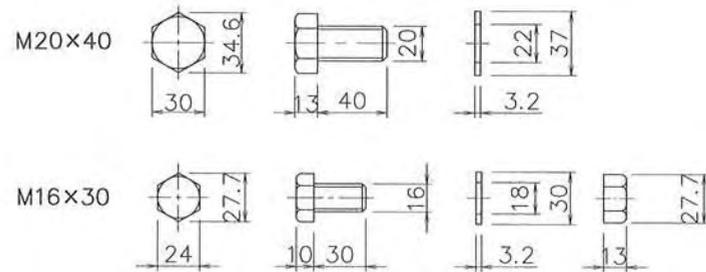
ジョイント



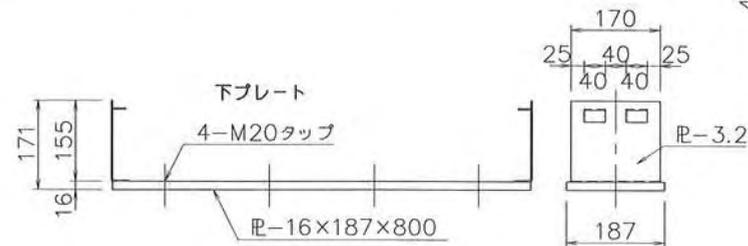
パドル



取付ボルト

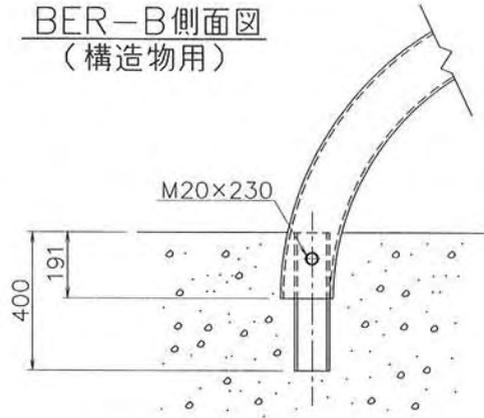


下プレート

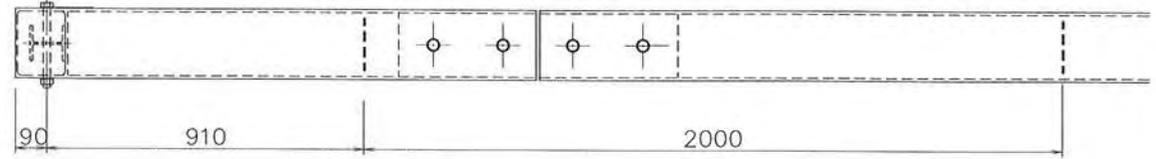


(注) 補強筋配置の詳細は別図-2に示す

BER-B側面図
(構造物用)

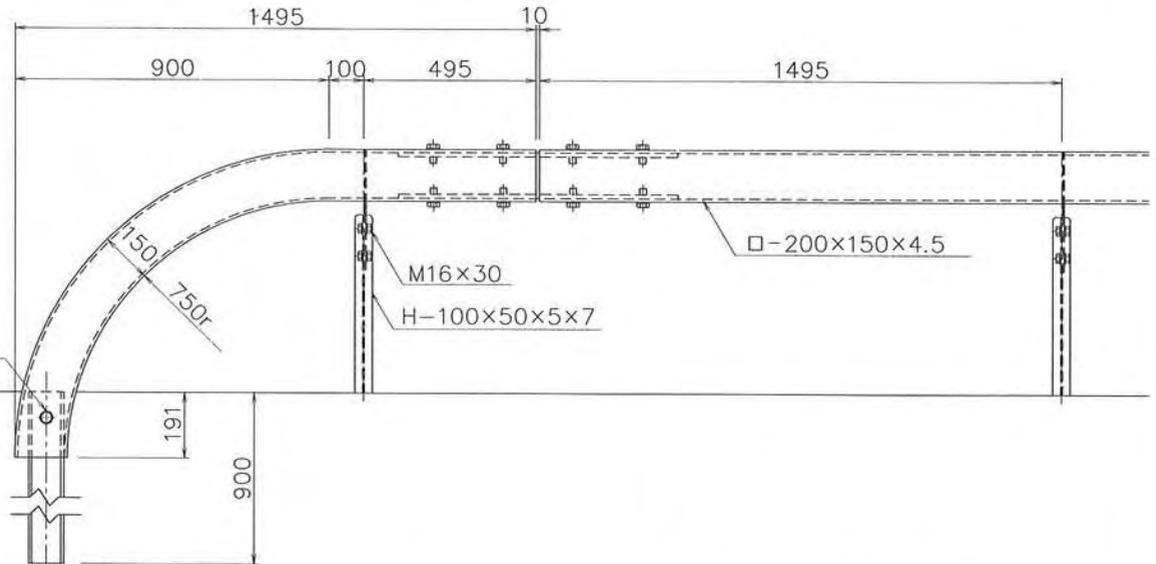


平面図

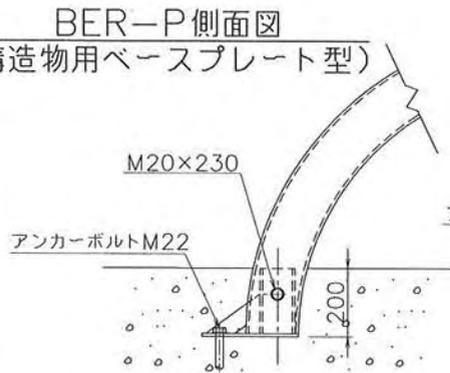


Gb-Bm用端末部 BER-E BER-B BER-P

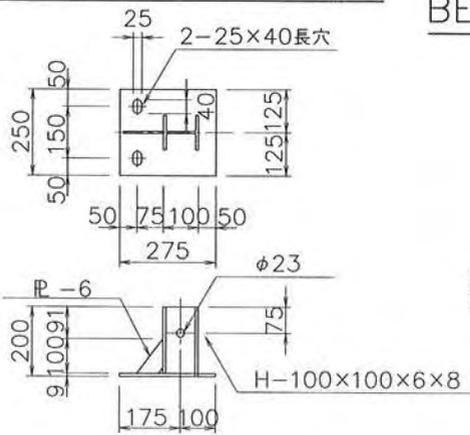
BER-E側面図(土中用)



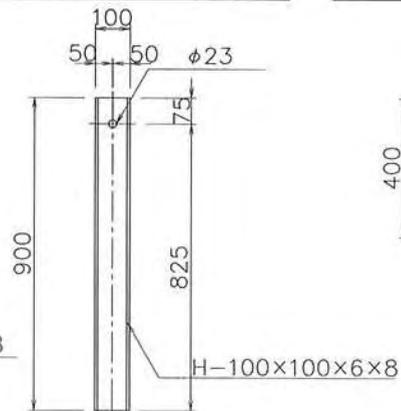
BER-P側面図
(構造物用ベースプレート型)



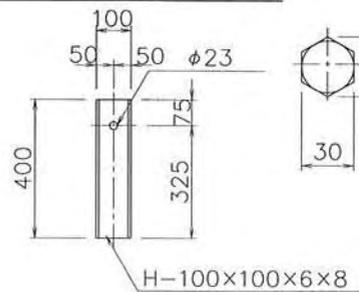
BER-P アンカー支柱



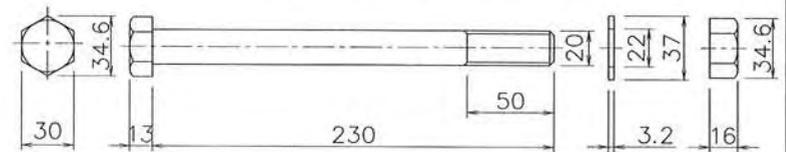
BER-Eアンカー支柱



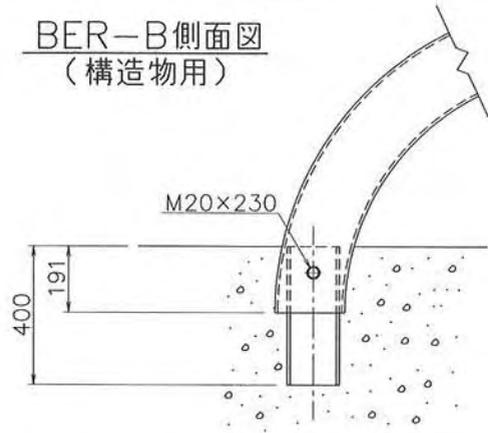
BER-Bアンカー支柱



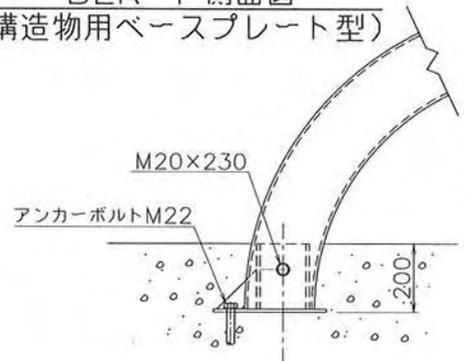
取付ボルトM20x230



BER-B側面図
(構造物用)

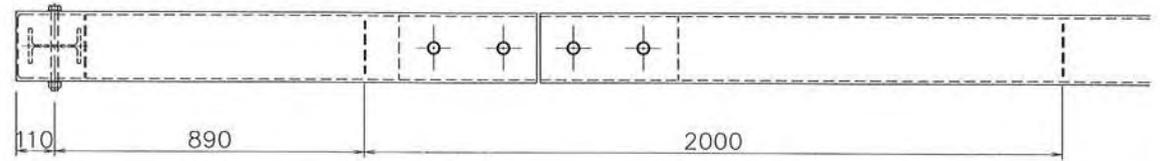


BER-P側面図
(構造物用ベースプレート型)

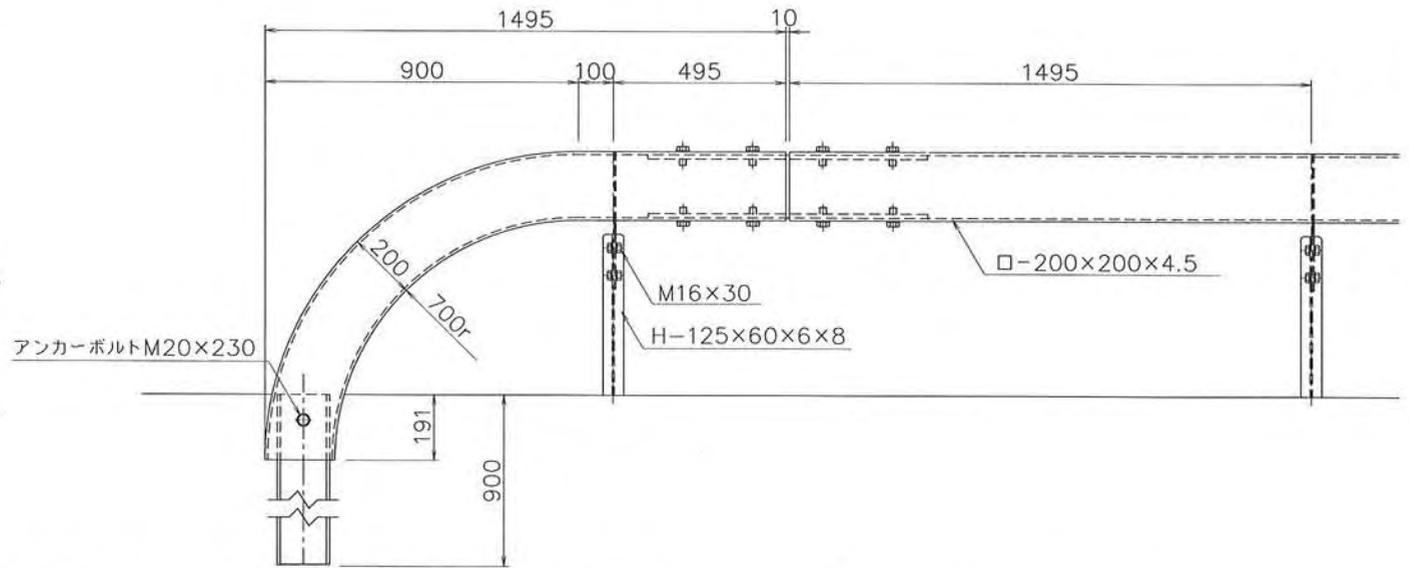


平面図

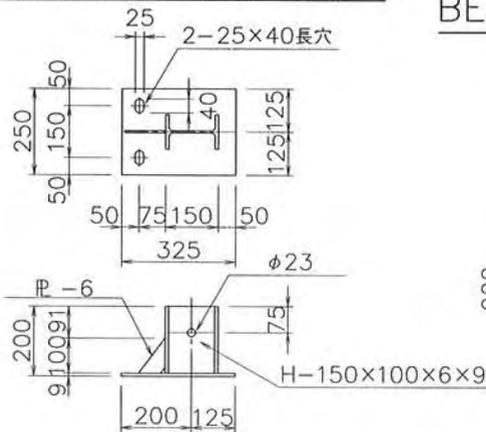
Gb-Am用端末部 BER-E BER-B BER-P



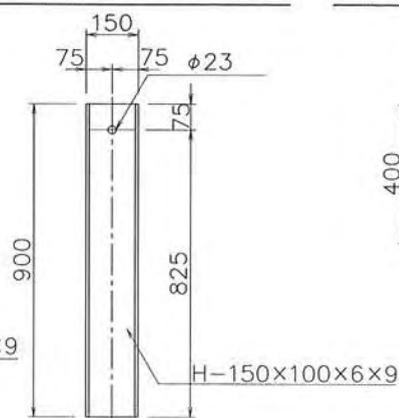
BER-E側面図(土中用)



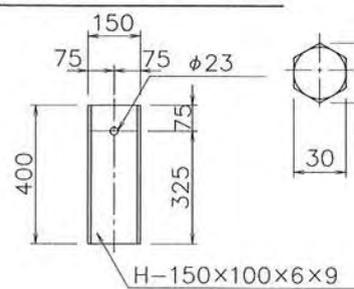
BER-P アンカー支柱



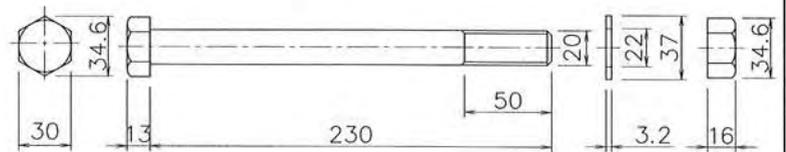
BER-E アンカー支柱



BER-B アンカー支柱

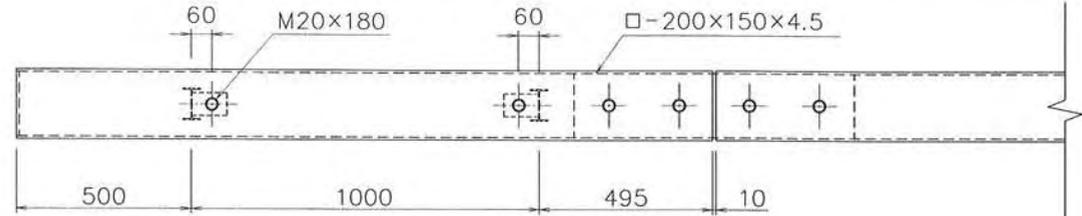


取付ボルトM20x230

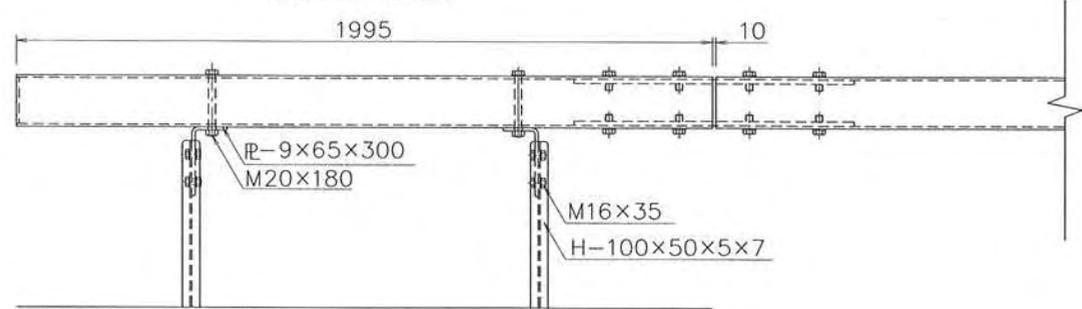


Gb-Bm用端末部 BED-E BED-B

平面図



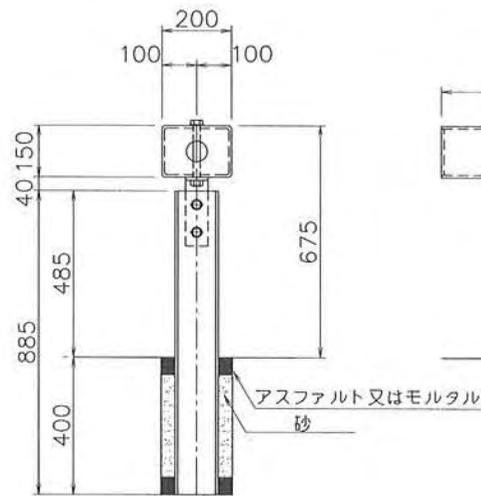
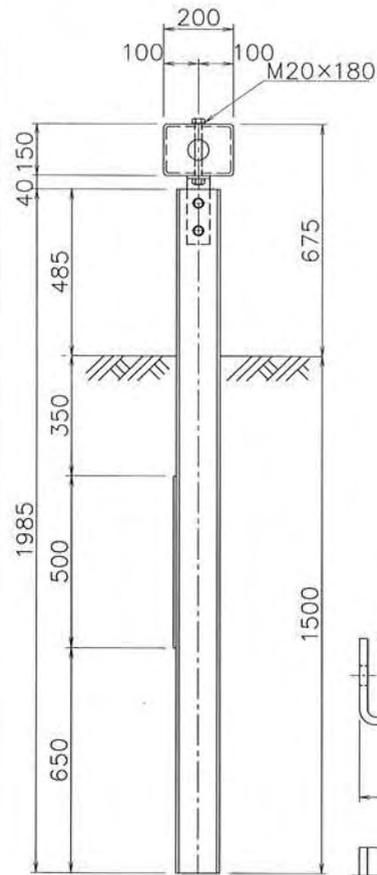
側面図



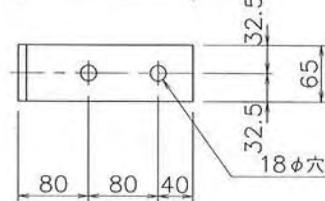
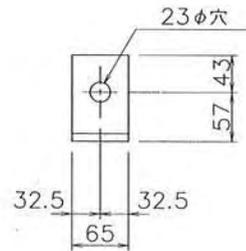
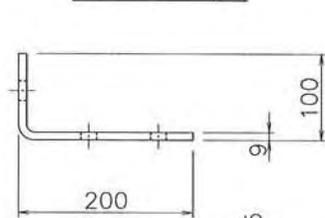
側面図

BED-E (土中用)

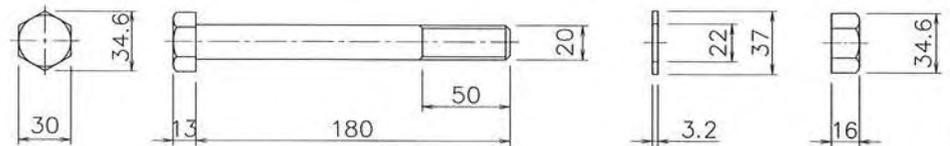
BED-B (構造物用)



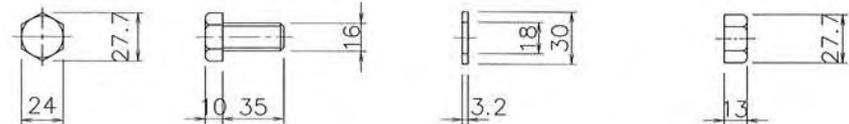
パドル



取付ボルト M20x180

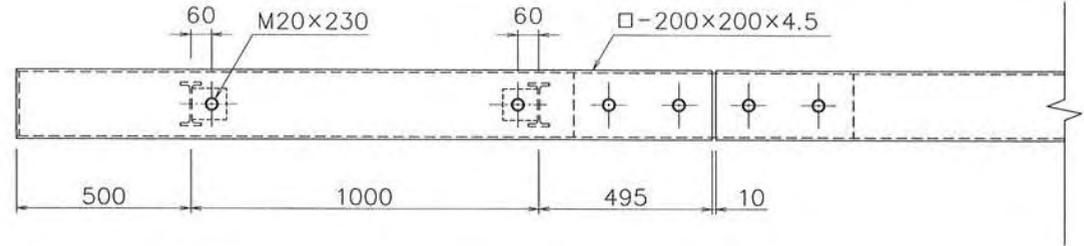


取付ボルト M16x35

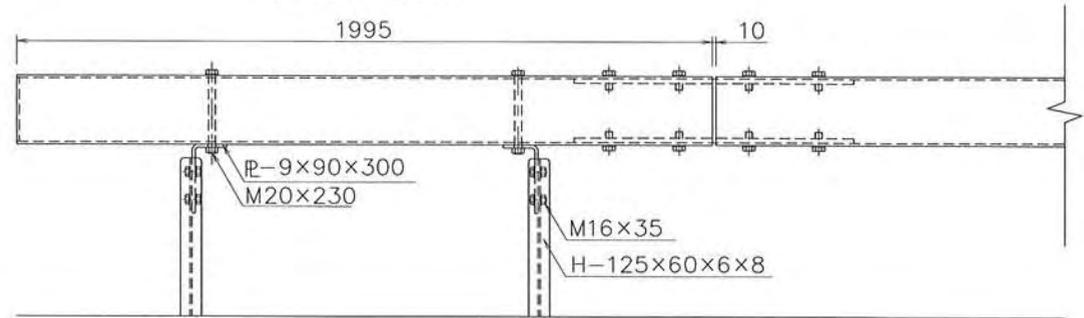


Gb-Am用端末部 BED-E BED-B

平面図



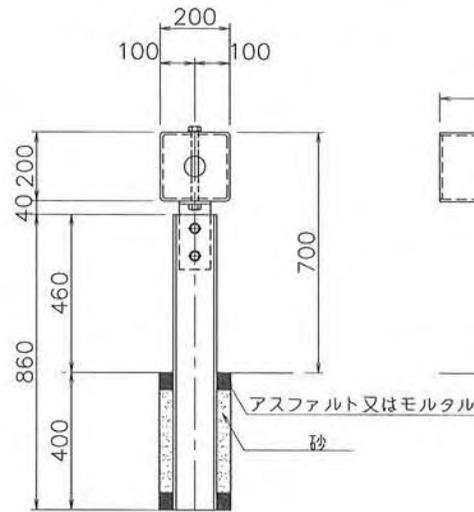
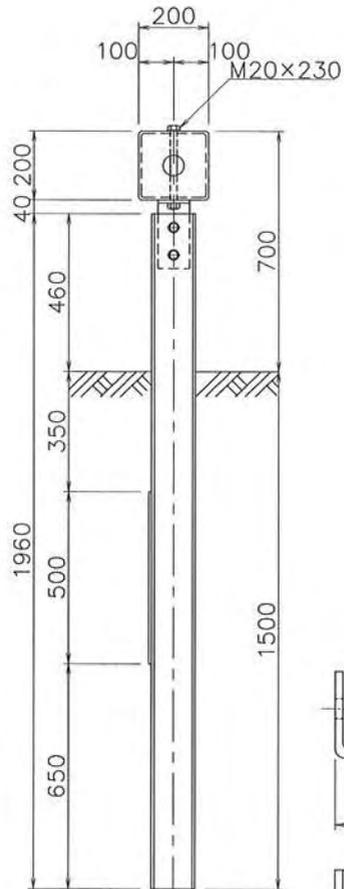
側面図



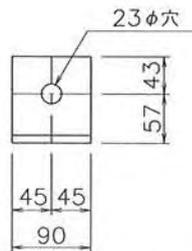
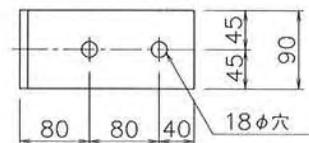
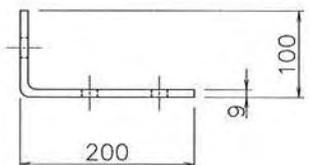
側面図

BED-E (土中用)

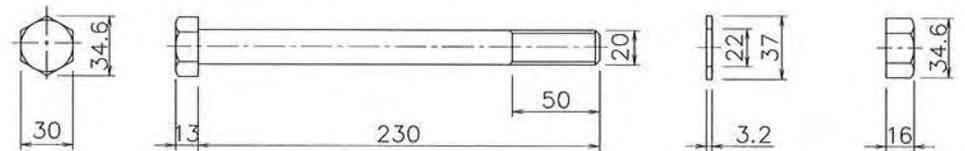
BED-B (構造物用)



パドル



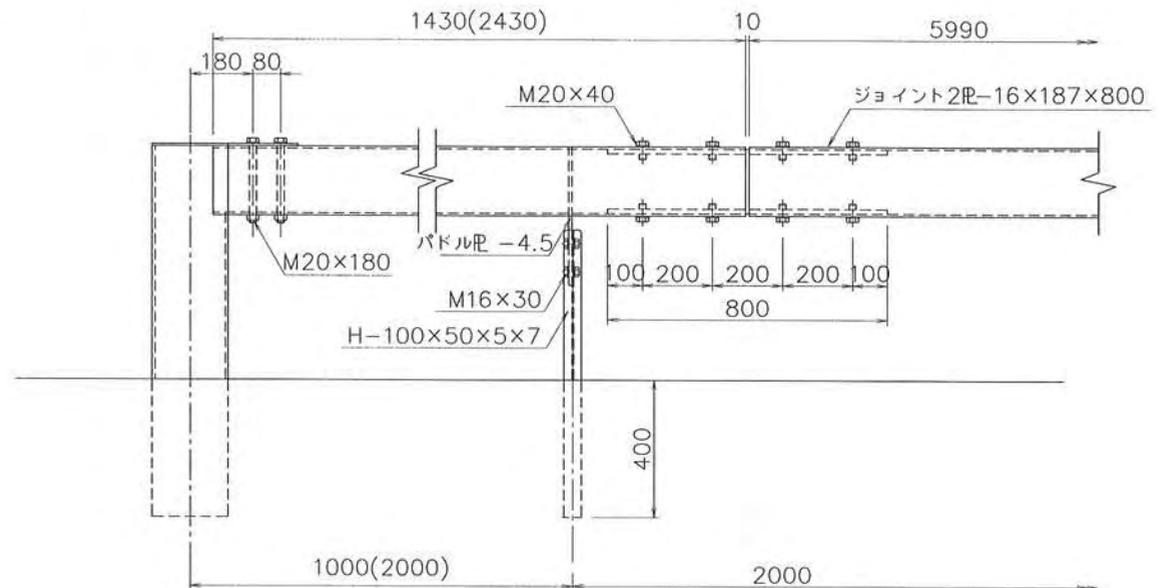
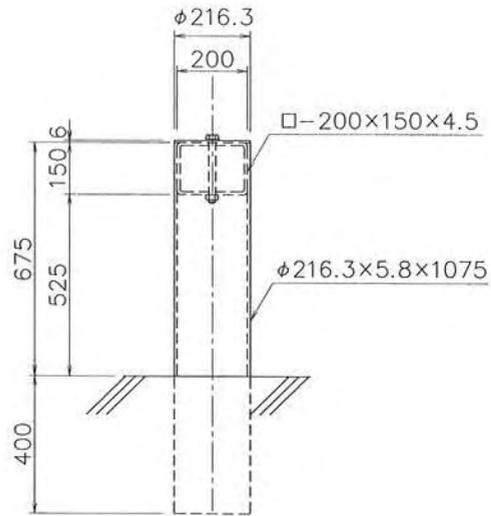
取付ボルトM20x230



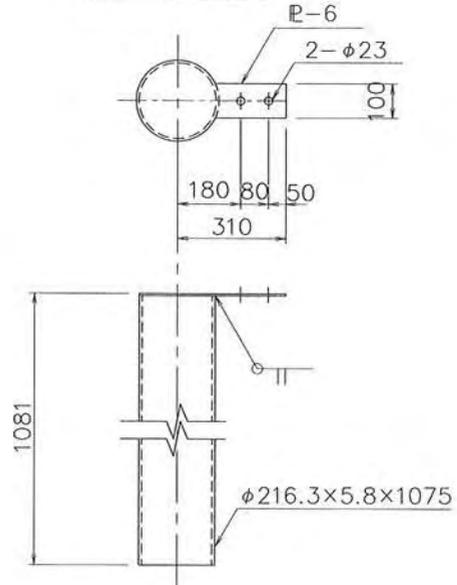
取付ボルトM16x35



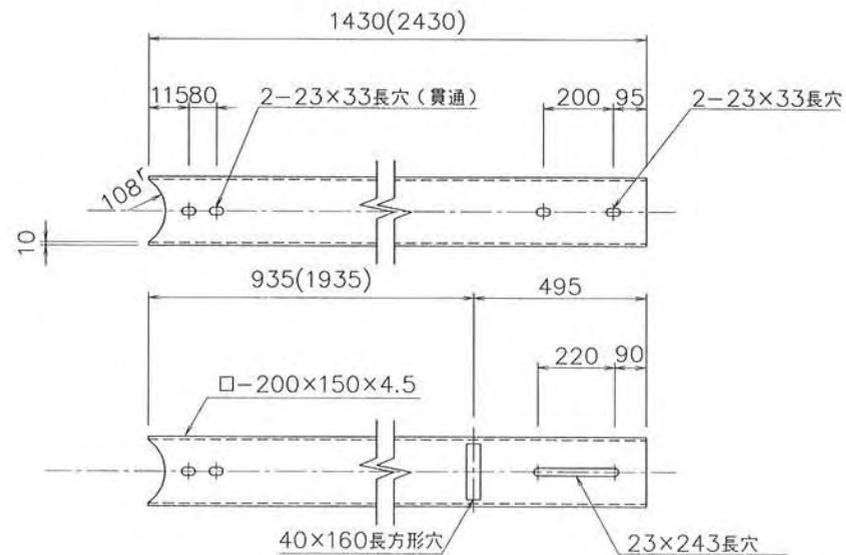
端部取付図



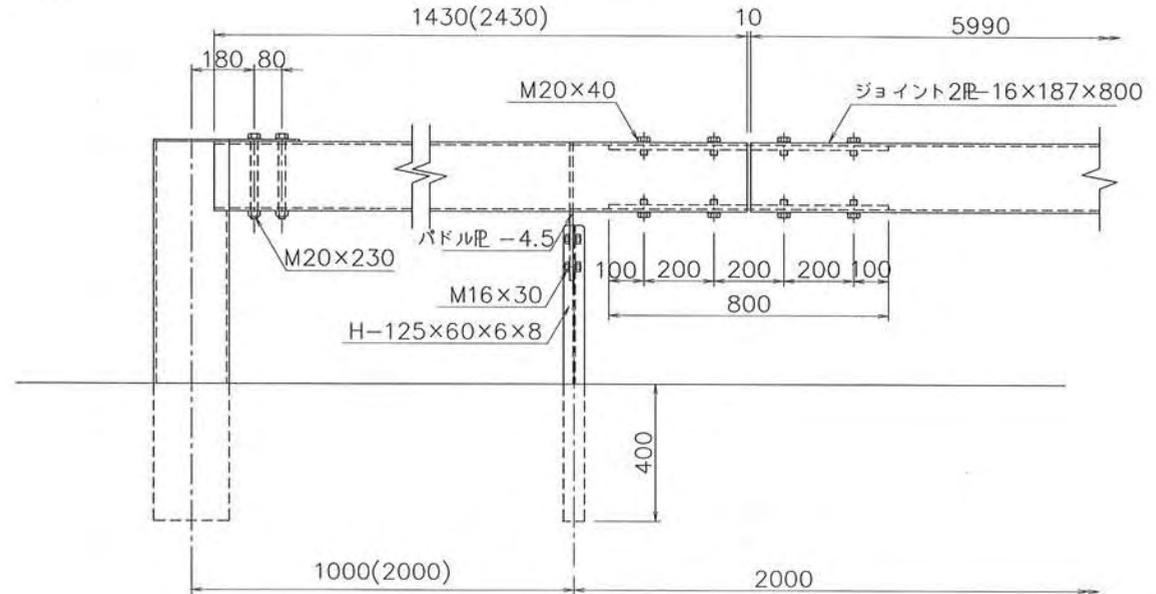
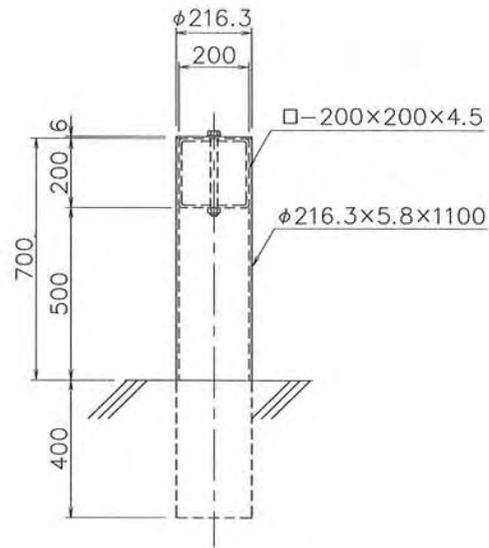
ポール端末



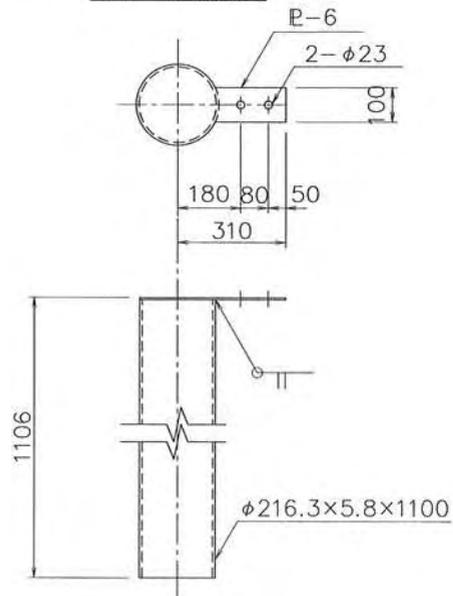
ビーム



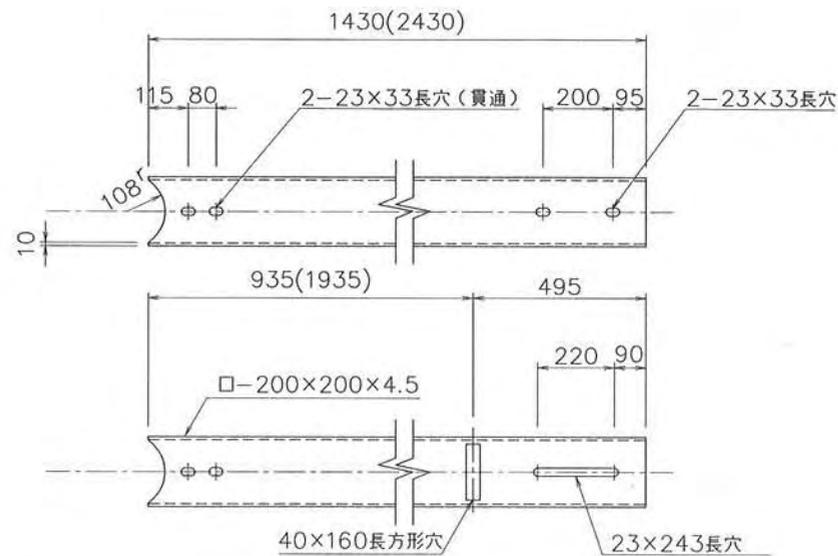
端部取付図



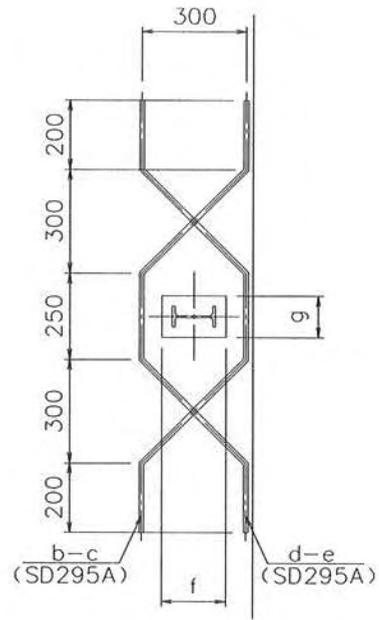
ポール端末



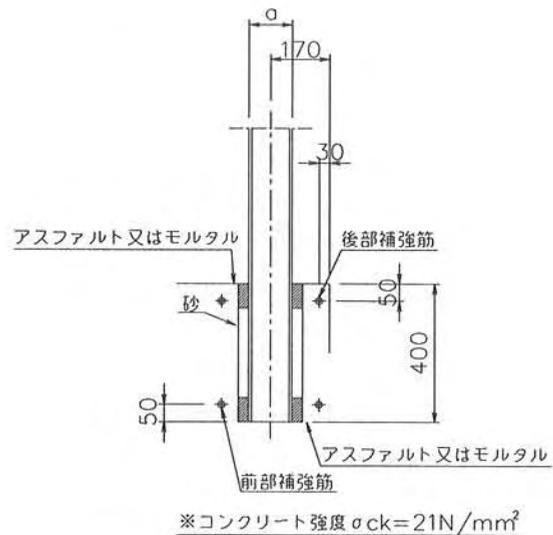
ビーム



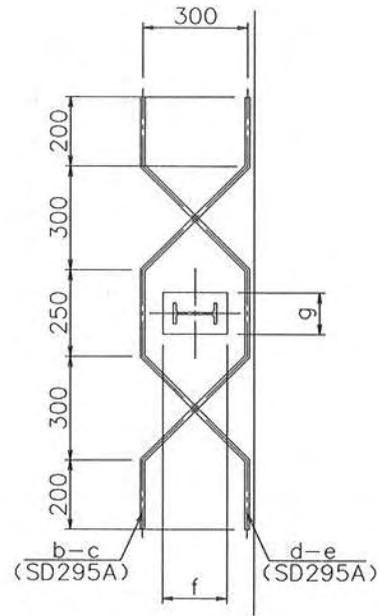
別図-1 コンクリート埋め込み支柱の定着部補強筋
 (埋め込み深さ400mm (砂詰め固定) の場合)



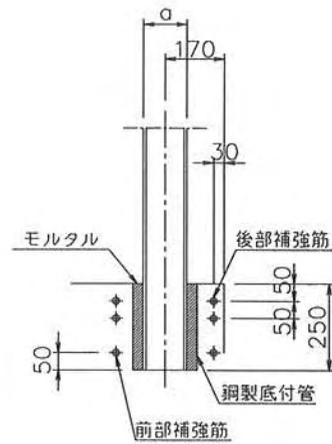
| 仕様記号 | Gb-Bm | Gb-Am |
|------|-------------|-------------|
| a | H100×50×5×7 | H125×60×6×8 |
| b | 1 | 1 |
| c | D13 | D13 |
| d | 1 | 1 |
| e | D13 | D13 |
| f | 160 | 185 |
| g | 110 | 120 |



別図-2 コンクリート埋め込み支柱の定着部補強筋
 (埋め込み深さ250mm (モルタル固定) の場合)



| 仕様記号 | Gb-Bm | Gb-Am |
|------|-------------|-------------|
| a | H100×50×5×7 | H125×60×6×8 |
| b | 1 | 2 |
| c | D13 | D19 |
| d | 1 | 1 |
| e | D13 | D19 |
| f | 160 | 185 |
| g | 110 | 120 |



※コンクリート強度 $\sigma_{ck} = 21\text{N/mm}^2$

より安全な御使用を願って

本カタログに掲載されている内容は情報提供を目的としたもので、誤った使用または不適切な使用などによって生じた損害につきましては責任を負いかねますのでご了承下さい。また、掲載される情報・仕様等につきましては予告なしに変更する場合があります。最新情報につきましては、各担当部署にお問い合わせ下さい。