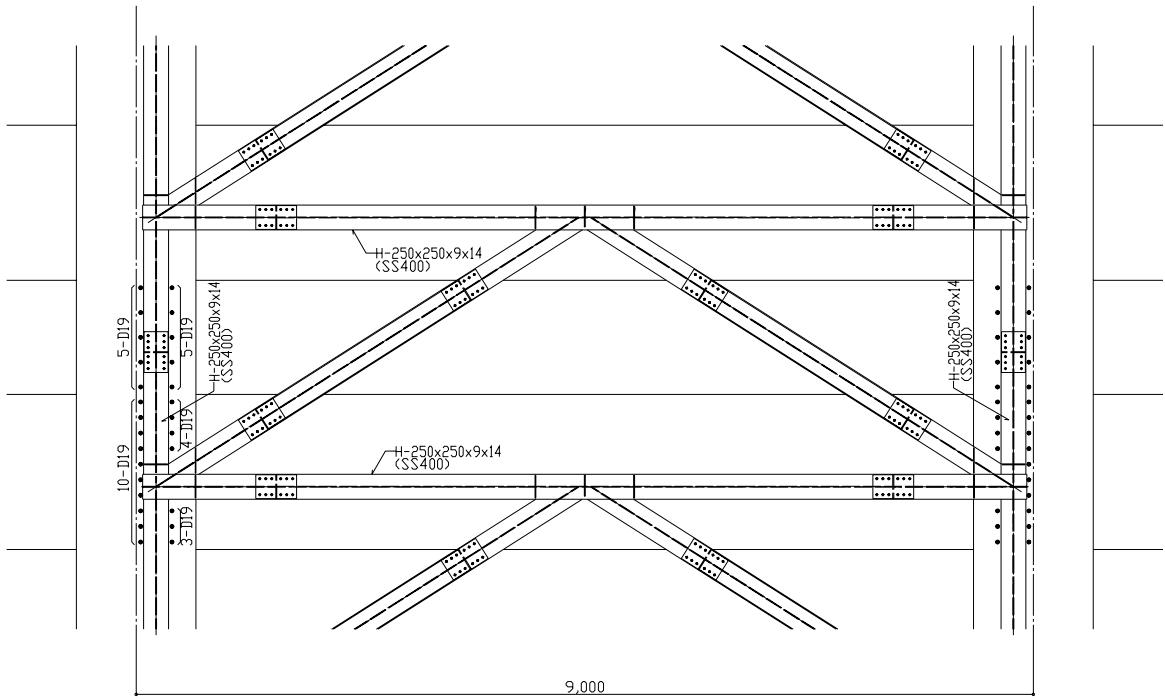
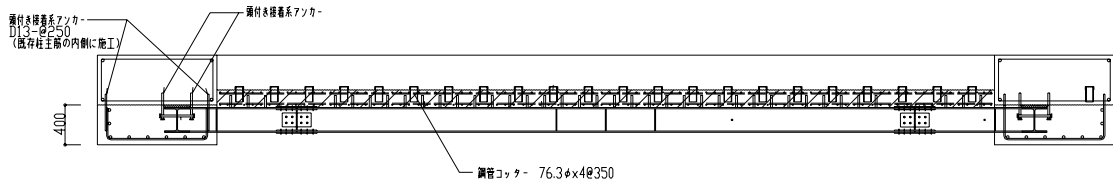


| 事例シート10         |   |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
|-----------------|---|---|--------|----------|------|--------|----------|--|--|----|------|--------|----|------|--------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|---|------|------|------|------|------|------|
| 物件名             | H学生ハイツ  |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 連絡先             | 会社名 戸田建設(株) 担当：三輪明広<br>住所 東京都中央区 1-3-1 電話：03-3273-9641  |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| URL             |   |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 物件概要            | 建築面積  | (改修前) m <sup>2</sup> (改修後) m <sup>2</sup>                 |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
|                 | 延床面積  | (改修前)15248.17 m <sup>2</sup> (改修後)15248.17 m <sup>2</sup> |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
|                 | 戸数  | (改修前)504 戸×2棟(改修後)504 戸×2棟                                |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
|                 | 事業主体  | 伊藤忠コムネット(株)   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 改修の概要           | <p>補強方針</p> <ul style="list-style-type: none"> <li>・現状では、柱のせん断破壊が予想されるため、この柱に対しせん断補強を行う。</li> <li>・建物の耐震強度が不足しているため、鉄骨ブレースを取り付け、建物の絶対的強度の向上を図る。</li> <li>・居ながら補強工事となるため、極力内部工事を生じないように考慮する。</li> </ul> <table border="1"> <thead> <tr> <th rowspan="2">階</th> <th colspan="3">現状</th> <th colspan="3">鉄骨ブレース補強</th> </tr> <tr> <th>Is</th> <th>CTSD</th> <th>Iso/Is</th> <th>Is</th> <th>CTSD</th> <th>Iso/Is</th> </tr> </thead> <tbody> <tr><td>8</td><td>0.22</td><td>0.28</td><td>0.37</td><td>1.08</td><td>0.53</td><td>1.80</td></tr> <tr><td>7</td><td>0.22</td><td>0.27</td><td>0.37</td><td>0.82</td><td>0.40</td><td>1.37</td></tr> <tr><td>6</td><td>0.21</td><td>0.26</td><td>0.35</td><td>0.82</td><td>0.40</td><td>1.37</td></tr> <tr><td>5</td><td>0.20</td><td>0.25</td><td>0.33</td><td>0.72</td><td>0.33</td><td>1.20</td></tr> <tr><td>4</td><td>0.20</td><td>0.25</td><td>0.33</td><td>0.66</td><td>0.30</td><td>1.10</td></tr> <tr><td>3</td><td>0.21</td><td>0.27</td><td>0.35</td><td>0.65</td><td>0.30</td><td>1.08</td></tr> <tr><td>2</td><td>0.20</td><td>0.25</td><td>0.33</td><td>0.60</td><td>0.30</td><td>1.00</td></tr> <tr><td>1</td><td>0.25</td><td>0.31</td><td>0.42</td><td>0.60</td><td>0.30</td><td>1.00</td></tr> </tbody> </table> |   | 階      | 現状       |      |        | 鉄骨ブレース補強 |  |  | Is | CTSD | Iso/Is | Is | CTSD | Iso/Is | 8 | 0.22 | 0.28 | 0.37 | 1.08 | 0.53 | 1.80 | 7 | 0.22 | 0.27 | 0.37 | 0.82 | 0.40 | 1.37 | 6 | 0.21 | 0.26 | 0.35 | 0.82 | 0.40 | 1.37 | 5 | 0.20 | 0.25 | 0.33 | 0.72 | 0.33 | 1.20 | 4 | 0.20 | 0.25 | 0.33 | 0.66 | 0.30 | 1.10 | 3 | 0.21 | 0.27 | 0.35 | 0.65 | 0.30 | 1.08 | 2 | 0.20 | 0.25 | 0.33 | 0.60 | 0.30 | 1.00 | 1 | 0.25 | 0.31 | 0.42 | 0.60 | 0.30 | 1.00 |
| 階               | 現状  |   |        | 鉄骨ブレース補強 |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
|                 | Is  | CTSD  | Iso/Is | Is       | CTSD | Iso/Is |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 8               | 0.22  | 0.28  | 0.37   | 1.08     | 0.53 | 1.80   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 7               | 0.22  | 0.27  | 0.37   | 0.82     | 0.40 | 1.37   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 6               | 0.21  | 0.26  | 0.35   | 0.82     | 0.40 | 1.37   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 5               | 0.20  | 0.25  | 0.33   | 0.72     | 0.33 | 1.20   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 4               | 0.20  | 0.25  | 0.33   | 0.66     | 0.30 | 1.10   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 3               | 0.21  | 0.27  | 0.35   | 0.65     | 0.30 | 1.08   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 2               | 0.20  | 0.25  | 0.33   | 0.60     | 0.30 | 1.00   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 1               | 0.25  | 0.31  | 0.42   | 0.60     | 0.30 | 1.00   |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 導入している要素技術      | 鋼管コッター工法  |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 改修にあたって実施した診断技術 | 3次診断  |   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| コスト             | 約5億円  | 備考(適用条件等)   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |
| 施工期間            |   | 備考(適用条件等)   |        |          |      |        |          |  |  |    |      |        |    |      |        |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |   |      |      |      |      |      |      |

図面・写真等



ブレース K1型 1/30



補強詳細図



補強全景



補強構面