NOTE(S):

1. PRELIMINARY NOT FOR CONSTRUCTION

2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
       - DEAD LOAD (VERTICAL) = 120 lb.
       - LATERAL LOADS PARALLEL TO PIPE = 50 lb.
       - LATERAL LOADS PERPENDICULAR TO PIPE = 150 lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   e. CORROSION RESISTANCE REQ'D, HG3

3. ALL LOADING ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.

4. REFER TO COMPONENT MANUFACTURER'S NPS FOR REQUIRED INSTALLATION INFO.

5. E.Q.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.

6. MAX 1 PIPE PER SUPPORT.

7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY. ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200 lb.
      LATERAL LOADS
      PARALLEL TO PIPE = 30 lb.
      PERPENDICULAR TO PIPE = 150 lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   d. BUILDING CODE: IRC 2006 / 2009 / 2012
   e. CORROSION RESISTANCE REQ'D. HDG
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER'S IFUS FOR REQUIRED INSTALLATION INFO.
5. EOR MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.
6. MAX. 3 PIPE PER SUPPORT SYMMETRICAL ABOUT THE CENTER LINE.
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
PIPE SUPPORT

GOALPOST - MULTI

NOTE(S):
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. NO LOADS CONSIDERED - CONCEPT ONLY
   b. LATERAL LOADS NOT CONSIDERED
   c. BUILDING CODE: NOT SPECIFIED
   d. CORROSION RESISTANCE REQ'D: NOT SPECIFIED
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER'S INSTRUCTIONS FOR REQUIRED INSTALLATION INFO.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.

<table>
<thead>
<tr>
<th>No.</th>
<th>Unit Qty</th>
<th>Unit Description</th>
<th>Box Qty</th>
<th># Boxes Needed</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AS REQ'D</td>
<td>EA GIRDER HS-158/12/POS 10' SOUT</td>
<td>1</td>
<td>AS REQ'D</td>
<td>437861</td>
</tr>
<tr>
<td>2</td>
<td>AS REQ'D</td>
<td>EA GIRDER HS-158/12/POS 10' B/E</td>
<td>1</td>
<td>AS REQ'D</td>
<td>2000982</td>
</tr>
<tr>
<td>3</td>
<td>AS REQ'D</td>
<td>EA CAST IN GIRDER 1 5/8 12ga</td>
<td>VARIES</td>
<td>AS REQ'D</td>
<td>348648</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
<td>EA 90° ELBOW MCV-02</td>
<td>20</td>
<td>1</td>
<td>399665</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>EA EASE MIP-1/1</td>
<td>20</td>
<td>1</td>
<td>399548</td>
</tr>
<tr>
<td>6</td>
<td>10</td>
<td>EA CHANNEL CONNECTOR MGN</td>
<td>50</td>
<td>1</td>
<td>399233</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>EA EASE MCV-2/2 D-14</td>
<td>10</td>
<td>1</td>
<td>399639</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>EA EASE MCV-2/2 D-14</td>
<td>20</td>
<td>1</td>
<td>399512</td>
</tr>
<tr>
<td>9</td>
<td>8</td>
<td>EA HEX HEAD BOLT 1/2 1/4 ZINC 50/BOX</td>
<td>50</td>
<td>1</td>
<td>411776</td>
</tr>
<tr>
<td>10</td>
<td>8</td>
<td>EA 1/2&quot; CHANNEL NUT SPRING 100/BOX</td>
<td>100</td>
<td>1</td>
<td>311038</td>
</tr>
</tbody>
</table>
NOTE(S):
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, UND.O):
      DEAD LOAD (VERTICAL) = 200lbf,
      LATERAL LOADS
      PARALLEL TO PIPE = 50lbf
      PERPENDICULAR TO PIPE = 10lbf
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE,
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD,
   d. BUILDING CODE; NOT SPECIFIED
   e. CORROSION RESISTANCE REQ'D (HDG)
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), UND.O
4. REFER TO COMPONENT MANUFACTURER'S DATA FOR REQUIRED INSTALLATION INFO
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION,
6. MAX. 3 PIPE PER SUPPORT,
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
NOTE(S):
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200 lbs.
      LATERAL LOADS
      PARALLEL TO PIPE = 50 lbs
      PERPENDICULAR TO PIPE = 40 lbs
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   d. BUILDING CODE, NOT SPECIFIED.
   e. CORROSION RESISTANCE REQ'D.
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER'S FLS FOR REQUIRED INSTALLATION INFO.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS
   SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.
6. MAX. 3 PIPE PER SUPPORT.
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY. ATTACHMENT SHALL BE DESIGNED BY
   THE ENGINEER OF RECORD.
NOTE(S):

1. PRELIMINARY NOT FOR CONSTRUCTION

2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200lb.
      LATERAL LOADS:
      PARALLEL TO PIPE = 50lb.
      PERPENDICULAR TO PIPE = 1lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD,
      BUILDING CODE, NOT SPECIFIED.
   d. CORROSION RESISTANCE REQ.: HDG

3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.

4. REFER TO COMPONENT MANUFACTURER’S FLYER FOR REQUIRED INSTALLATION INFO.

5. E.D.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HLT DESIGN PRIOR TO INSTALLATION.

6. MAX: 1 PIPE PER SUPPORT.

7. ATTACHMENT TO BASE MATERIAL IS CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
1. PRELIMINARY NOT FOR CONSTRUCTION

2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200 lb.
      LATERAL LOADS PARALLEL TO PIPE = 18 kip.
      LATERAL LOADS PERPENDICULAR TO PIPE = 5 kip.
      b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
      c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
      d. BUILDING CODES; NOT SPECIFIED.
      e. CORROSION RESISTANCE REQUIRED.

3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.

4. REFER TO COMPONENT MANUFACTURERS' SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS.

5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN.

6. MAX. 1 PIPE PER SUPPORT CENTER ON THE M.D.

7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY; ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
NOTE(S):

1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200 lb.
      LATERAL LOADS:
      PARALLEL TO PIPE = 50 lb.
      PERPENDICULAR TO PIPE = 50 lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   d. BUILDING CODE NOT SPECIFIED.
   e. CORROSION RESISTANCE REQUIRED: HDG
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER’S PLI FOR REQUIRED INSTALLATION INFO.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILITE DESIGN PRIOR TO INSTALLATION.
6. MAX: 1 PIPE PER SUPPORT CENTER ON THE MODEL.
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
NOTE(S):
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) = 200 lb.
      LATERAL LOADS
         PERPENDICULAR TO PIPE = 5 lb.
         PARALLEL TO PIPE = 10 lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   d. BUILDING CODES NOT SPECIFIED
   e. CORROSION RESISTANCE REQUIREMENT
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER'S RULES FOR REQUIRED INSTALLATION Info.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS PRODUCT DESIGN PRIOR TO INSTALLATION
6. MAX. 1 PIPE PER SUPPORT CENTER ON THE MKD
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
<table>
<thead>
<tr>
<th>No.</th>
<th>Unit Qty</th>
<th>Unit Description</th>
<th>Box Qty</th>
<th># Boxes Needed</th>
<th>Item No.</th>
<th>Torque ft. lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AS REQ'D</td>
<td>EA STRUT HS-158-12/HDD 10'</td>
<td>1</td>
<td>AS REQ'D</td>
<td>407570</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>EA CHANNEL END CAP MEX RED</td>
<td>50</td>
<td>1</td>
<td>244886</td>
<td>-</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>EA MOY 3/8&quot; 3/8&quot; SQ</td>
<td>10</td>
<td>1</td>
<td>SPECIAL</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>EA USE KB-12 SS AS APPROPRIATE</td>
<td>VARES</td>
<td>VARES</td>
<td>VARES</td>
<td>40</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>EA WING NUT M16-2.5 X 1-3/4</td>
<td>25</td>
<td>1</td>
<td>304136</td>
<td>90</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>EA HEX HEAD BOLT 3/8&quot; X 1-1/2&quot; SS316</td>
<td>50</td>
<td>1</td>
<td>511788</td>
<td>30</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>EA WASHER 3/8&quot;</td>
<td>200</td>
<td>1</td>
<td>SPECIAL</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>10</td>
<td>EA 3/8-18 A 194 HEAVY HEX NUT GR 2H</td>
<td>1400</td>
<td>1</td>
<td>3099303</td>
<td>19</td>
</tr>
<tr>
<td>9</td>
<td>AS REQ'D</td>
<td>EA 3/8&quot;-6&quot; HDG ALL THREAD</td>
<td>25</td>
<td>AS REQ'D</td>
<td>309150</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>4</td>
<td>EA BASE PLATE MQ23-9 F</td>
<td>20</td>
<td>1</td>
<td>304200</td>
<td>-</td>
</tr>
<tr>
<td>11</td>
<td>2</td>
<td>EA OFFSET EYE COUPLING 3/8&quot; 25X6BX</td>
<td>250</td>
<td>1</td>
<td>58318</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>1</td>
<td>EA U-BOLT</td>
<td>VARES</td>
<td>VARES</td>
<td>SPECIAL</td>
<td>-</td>
</tr>
</tbody>
</table>

**NOTE(S):**
1. **PRELIMINARY NOT FOR CONSTRUCTION**
2. **DESIGN ASSUMPTIONS:**
   a. SERVICE LOADS (STATIC, U.N.O.);
   b. DEAD LOAD (VERTICAL) = 200lb;
   c. LATERAL LOADS NOT CONSIDERED.
   d. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   e. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
3. **BUILDING CODE NOT SPECIFIED**
   a. CORROSION RESISTANCE REGO-HDG
4. **ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.**
5. **REFER TO COMPONENT MANUFACTURERS INDUS FOR REQUIRED INSTALLATION INFORMATION.**
6. **E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING NEW SUBSTRATE CONDITIONS SHOWN HERIN TO VALIDATE ACCEPTANCE OF THIS HILTI DESIGN PRIOR TO INSTALLATION.**
7. **ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY. ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD BASED ON CONDITIONS ENCOUNTERED.**
8. **ALL STRUT MATERIAL TO BE ORDERED IN BULK QUANTITIES OR PRE ASSEMBLE PER PROJECT DIRECTIVE.**
9. **ONLY SPECIFY U-BOLT WHEN REQUIRED.**
<table>
<thead>
<tr>
<th>No.</th>
<th>Unit Qty</th>
<th>Unit Description</th>
<th>Box Qty</th>
<th># Boxes Needed</th>
<th>Item No.</th>
<th>Torque R - lbf</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AS REQ'D</td>
<td>STRUT HS-158-12/HDG 10'</td>
<td>1</td>
<td>AS REQ'D</td>
<td>407570</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>12</td>
<td>CHANNEL END CAP M6K RED</td>
<td>50</td>
<td>1</td>
<td>244885</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>MQV-UB-M12 (804894)</td>
<td>10</td>
<td>1</td>
<td>SPECIAL</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>HEX HEAD BOLT 3/8&quot; X 1-1/4&quot; SS316</td>
<td>25</td>
<td>1</td>
<td>356746</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>HEX HEAD BOLT 3/8&quot; X 1-1/4&quot; SS316</td>
<td>50</td>
<td>1</td>
<td>417788</td>
<td>30</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>WASHER 3/8&quot; SS316</td>
<td>100</td>
<td>1</td>
<td>417775</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>WASHING NUT SS316</td>
<td>200</td>
<td>1</td>
<td>417800</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>BASE PLATE MQZ-F3/8&quot;-F</td>
<td>1400</td>
<td>1</td>
<td>359303</td>
<td>19</td>
</tr>
<tr>
<td>9</td>
<td>AS REQ'D</td>
<td>3/8&quot;-6' HDG ALL THREAD</td>
<td>25</td>
<td>AS REQ'D</td>
<td>3509159</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>4</td>
<td>BASE PLATE MQZ-F3/8&quot;-F</td>
<td>20</td>
<td>1</td>
<td>364200</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>4</td>
<td>3/8&quot;-16 A 194 HEAVY HEX NUT GR 2-H</td>
<td>100</td>
<td>1</td>
<td>370706</td>
<td>8</td>
</tr>
<tr>
<td>12</td>
<td>2</td>
<td>SADDLE NUT MQA-F3/8&quot;-F</td>
<td>25</td>
<td>1</td>
<td>371415</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>1</td>
<td>3/8&quot; BOLT</td>
<td>VARIES</td>
<td>VARIES</td>
<td>SPECIAL</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE(S):**
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DEAD LOAD (VERTICAL) ≤ 200 lb.
      LATERAL LOADS:
      PARALLEL TO PIPE: 0 lb.
      PERPENDICULAR TO PIPE: 0 lb.
   b. LATERAL LOADS ARE WIND OR SEISMIC PER GOVERNING CODE.
   c. LATERAL LOADS APPLIED AT THE SAME TIME AS DEAD LOAD.
   d. BUILDING CODE: NOT SPECIFIED
   e. CORROSION RESISTANCE (REI-O): HDG
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURER’S SPEC FOR REQUIRED INSTALLATION INFO.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HERETO TO VALIDATE ACCEPTANCE OF THIS HT DESIGN PRIOR TO INSTALLATION.
6. MAX. 1 PIPE PER SUPPORT.
7. ATTACHMENT TO BASE MATERIAL ARE CONCEPTUAL ONLY, ATTACHMENT SHALL BE DESIGNED BY THE ENGINEER OF RECORD.
CONCRETE CEILING SLAB (BY OTHERS)

3" Ø CONDUIT (BY OTHERS)
(MAX. WEIGHT = 7.5 lb/ft², PER CONDUIT.)

1" 6" (MAX.)

NOTE(S):
1. PRELIMINARY NOT FOR CONSTRUCTION
2. DESIGN ASSUMPTIONS:
   a. DESIGN LOADS (STATIC, U.N.O.):
      DL: 7.5 lbs/ft², PER CONDUIT (MAX. NUMBER OF CONDUITS = 2)
   b. LATERAL LOADS NOT CONSIDERED
   c. BUILDING CODE: NOT SPECIFIED
   d. CORROSION RESISTANCE ROD: NOT SPECIFIED
   e. MAX. SUPPORT SPACING = 6'-0"
3. ALL LOADS ASSUMED TO ACT AT CENTER OF PIPE(S), U.N.O.
4. REFER TO COMPONENT MANUFACTURERS FOR REQUIRED INSTALLATION INFO.
5. E.O.R. MUST BE NOTIFIED OF ANY DEVIATIONS FROM EXISTING/NEW SUBSTRATE CONDITIONS SHOWN HEREIN TO VALIDATE ACCEPTANCE OF THIS HILI DESIGN PRIOR TO INSTALLATION.