| DL               | JAL N               | <b>NETRA</b>                       | PAK ·  |  |   |                           | NSION                                  | JOII             | NT - F | LANG     | ED E         | NDS         |                           |   |                  |
|------------------|---------------------|------------------------------------|--|--|---|---------------------------|--|------------------|--------|----------|--------------|-------------|---------------------------|---|------------------|
|                  | CYL                 | CARBON S<br>CHROME F<br>OTHER OF   | GTEEL SLIP<br>PLATED<br>PTIONS                   | SH<br>V.                               | 'UT-OFF<br>ALVE                                       | T STOP                    |  | L GUIDE          |        |          |              |             |                           |   | D<br>REMOVE)     |
| 150 <sup>:</sup> |                     | NSION                              | ,  | ſ                                      |   |                           |  | 300 <del>1</del> | # DIME | NSION    |              | ICHOR BA    | ASE                       |   |                  |
| QTY              | SIZE                |                                    | MOVEMI<br>8''                                    | ENT<br>12"                             | В   | С                         | D                                      | QTY              | SIZE   |          | MOVEM<br>8'' | ENT<br>12"  | В                         | С   | D                |
|                  | 1-1/4"              | 39"                                | 55"  | 71"                                    | 3-5/8"  | 8-1/8"                    | 8-1/16"                                |                  | 1-1/4" | 39"      | 55"          | 71"         | 3-5/8"                    | 8-1/8"  | 9-1/2"           |
|                  | 1-1/2"              | 39"                                | 55"  | 71"                                    | 3-3/4"  | 8-1/4"                    | 8-1/8"                                 |                  | 1-1/2" | 39"      | 55"          | 71"         | 3-3/4"                    | 8-1/4"  | 9-9/16           |
|                  | 2"                  | 39"                                | 55"  | 71"                                    | 4-1/8"  | 8-7/8''                   | 8-7/16"                                |                  | 2"     | 39"      | 55"          | 71"         | 4-1/8"                    | 8-7/8"  | 9-7/8"           |
|                  | 2-1/2"              | 39"                                | 55"  | 71"                                    | 4-1/2"  | 9-1/2"                    | 8-3/4"                                 |                  | 2-1/2" | 39"      | 55"          | 71"         | 4-1/2"                    | 9-1/2"  | 10-3/16          |
|                  | 3"                  | 43-5/8"                            | 59-5/8"  | 75-5/8"                                | 4-7/8"  | 10-1/4"                   | 9-1/8"                                 |                  | 3"     | 43-5/8"  | 59-5/8"      | 75-5/8"     | 4-7/8"                    | 10-1/4"   | 10-9/16          |
|                  | 3-1/2"              | 43-5/8"                            | 59-5/8"  | 75-5/8"                                | 5-1/4"  | 10-3/4"                   | 9-3/8"                                 |                  | 3-1/2" | 43-5/8"  | 59-5/8"      | 75-5/8"     | 5-1/4"                    | 10-3/4"   | 10-13/1          |
|                  | 4"                  | 43-7/8"                            | 59-7/8"  | 75-7/8"                                | 5-1/2"  | 11-1/4"                   | 9-5/8''                                |                  | 4''    | 43-7/8"  | 59-7/8"      | 75-7/8"     | 5-1/2"                    | 11-1/4"   | 11-1/10          |
|                  | 5"                  | 44-1/4"                            | 60-1/4"  | 76-1/4"                                | 6-1/4"  | 12-1/2"                   | 10-1/4"                                |                  | 5''    | 44-1/4"  | 60-1/4"      | 76-1/4"     | 6-1/4"                    | 12-1/2"   | 11-11/1          |
|                  | 6"                  | 44-1/4"                            | 60-1/4"  | 76-1/4"                                | 7"  | 13-1/2"                   | 10-3/4"                                |                  | 6"     | 44-1/4"  | 60-1/4"      | 76-1/4"     | 7"                        | 13-1/2"   | 12-3/10          |
|                  | 8"                  | 44-1/4"                            | 60-1/4"  | 76-1/4"                                | 8-3/8"  | 15-1/4"                   | 11-5/8"                                |                  | 8"     | 44-1/4"  | 60-1/4"      | 76-1/4"     | 8-3/8"                    | 15-1/4"   | 13-1/1           |
|                  | 10"                 | 44-1/4"                            | 60-1/4"  | 76-1/4"                                | 9-3/4"  | 17-1/2"                   | 12-3/4"                                |                  | 10"    | 44-1/4"  | 60-1/4"      | 76-1/4"     | 9-3/4"                    | 17-1/2"   | 14-3/1           |
|                  | 12"                 | 44-5/8"                            | 60-5/8"  | 76-5/8"                                | 11"   | 19-5/8"                   | 13-13/16"                              |                  | 12"    | 45-5/8"  | 60-5/8"      | 76-5/8"     | 11"                       | 19-5/8"   | 15-1/4           |
|                  | 14"                 | 50-7/8"                            | 65-7/8"  | 81-7/8"                                | 11-1/2"   | 21-1/4"                   | 14-5/8"                                |                  | 14"    | 50-7/8"  | 65-7/8"      | 81-7/8"     | 12-1/2"                   | 21-1/4"   | 16-1/1           |
|                  | 16"                 | 51-1/4"                            | 66-1/4"  | 82-1/4"                                | 12-3/4"   | 23-1/4"                   | 15-5/8"                                |                  | 16"    | 51-1/4"  | 66-1/4"      | 82-1/4"     | 13-1/2"                   | 23-1/4"   | 17-1/1           |
|                  | 18"                 | 52-1/4"                            | 66-1/4"  | 82-1/4"                                | 13-1/2"   | 25-1/4"                   | 16-5/8"                                |                  | 18"    | 52-1/4"  | 66-1/4"      | 82-1/4"     | 15"                       | 25-1/4"   | 18-1/1           |
|                  | 20"                 | 53-1/4"                            | 66-1/4"  | 82-1/4"                                | 14-3/4"   | 27-1/4"                   | 17-5/8"                                |                  | 20"    | 53-1/4"  | 66-1/4"      | 82-1/4"     | 16-1/4"                   | 27-1/4"   | 19-1/1           |
|                  | 24"                 | 53-3/8"                            | 66-3/8"  | 82-3/8"                                | 17"<br>NDED BC  | 31-1/4"                   | 19-5/8"                                |                  | 24"    | 53-3/8"  | 66-3/8"      | 82-3/8"     | 19"<br>XTENSION           | 31-1/4"   |                  |
| XPA              | NSION JO<br>HE RECO | DINTS ARE                          | E DESGINI<br>ATIONS O<br>NSF 37                  | ED FOR A<br>F THE EXP<br>2 - LEAD I    | XIAL MOY<br>ANSION .                                  | Vement o<br>Joint Mat     | OR COMPRES<br>NLY. PIPE M<br>NUFACTURE | UST BE F         |        | Y GUIDED |              |             |                           |   |                  |
|                  | b<br>,              | y consun<br>quarter c<br>weight. N | nable wa<br>of one pe<br>Naterial c<br>Iards, wh | iter conto<br>ercent (0.1<br>omplies v | ains less th<br>25%) of le<br>vith state<br>cable, re | nan one<br>ad by<br>codes |  |                  | REV.   |          | otion        | <b>Î</b> ex | CHIC.<br>TEL: 3<br>FAX: 3 | DATE<br>W. HUBBAR<br>AGO, IL 60<br>12-738-380<br>312-738-04<br>/.METRAFLI | )612<br>)0<br>15 |

| CUSTOMER: |  |  |
|-----------|--|--|
| PRO IECT  |  |  |

