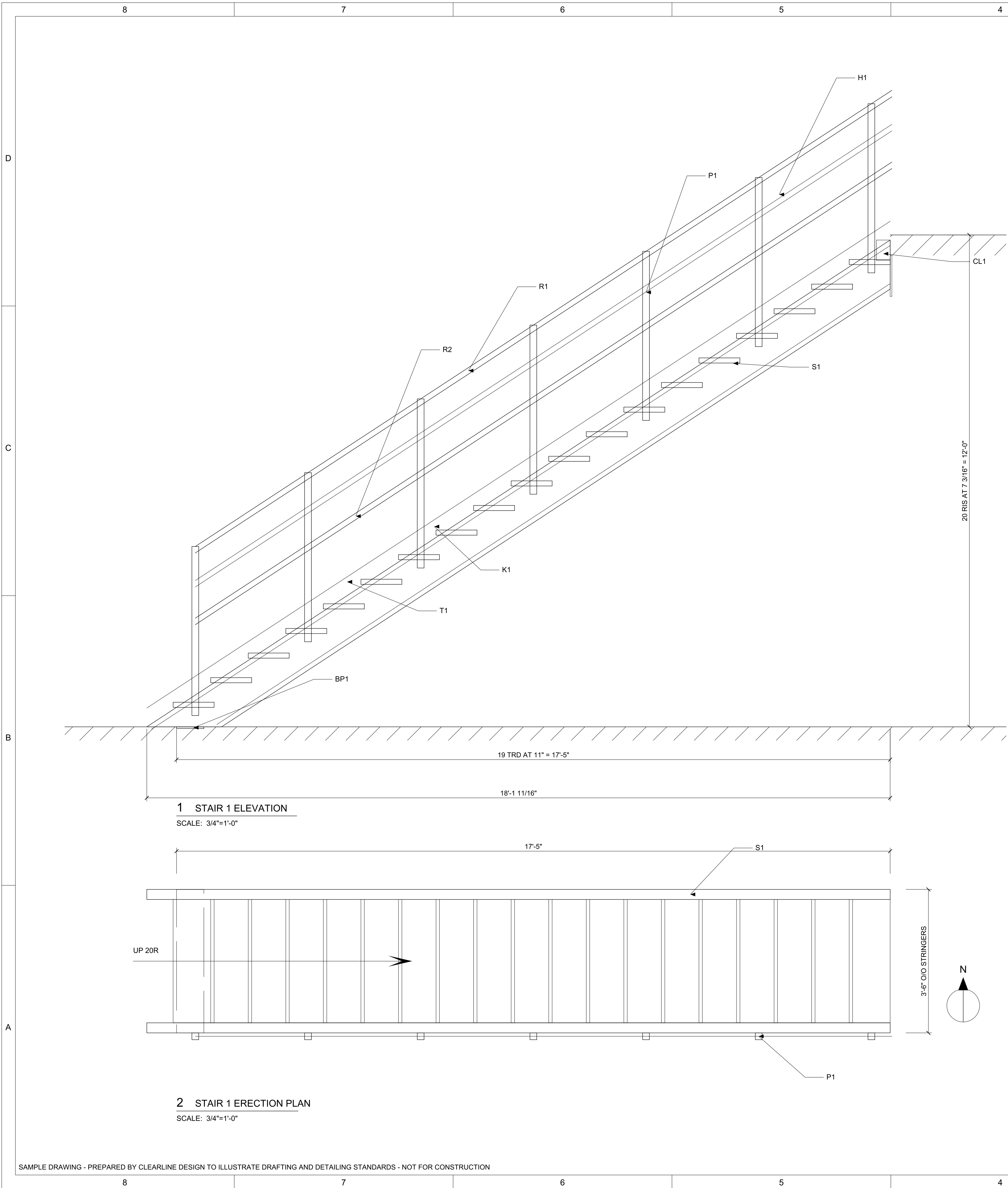




GENERAL NOTES

- FABRICATION AND ERECTION TO AISC 303 CODE OF STANDARD PRACTICE AND AISC 360. STAIR TO NAAMM AMP 510, INDUSTRIAL CLASS.
- MATERIAL: PLATE AND ANGLE ASTM A36, HSS ASTM A500 GRADE B, PIPE ASTM A53 GRADE B, CHANNEL ASTM A36.
- WELDING TO AWS D1.1 WITH E70XX ELECTRODES. ALL WELDS ARE 3/16 FILLET UNLESS A SYMBOL SHOWS OTHERWISE. SHOP WELDED, FIELD BOLTED U.N.O.
- BOLTS ASTM A325-N IN 13/16 STANDARD ROUND HOLES UNLESS THE BOLT SCHEDULE ON MS-103 SHOWS OTHERWISE. SNUG TIGHT.
- FINISH: SHOP CLEAN TO SSPC-SP2 AND ONE COAT SHOP PRIMER. GALVANIZE TREADS AND GRATING TO ASTM A123.
- DIMENSIONS ARE IN FEET AND INCHES. FIELD VERIFY THE FLOOR TO FLOOR BEFORE FABRICATION. RISER HEIGHTS TO BE EQUAL WITHIN 3/8 IN OVER THE FLIGHT AND 1/4 IN BETWEEN ADJACENT RISERS.
- ANCHOR RODS AND THE LANDING BEAM ARE BY OTHERS. THE STAIR IS SET AFTER THE SLAB IS POURED.
- THIS SET IS PREPARED TO ILLUSTRATE DRAFTING AND DETAILING STANDARDS. MEMBER SIZES AND QUANTITIES ARE FOR ILLUSTRATION AND HAVE NOT BEEN ENGINEERED.

PIECE MARK INDEX

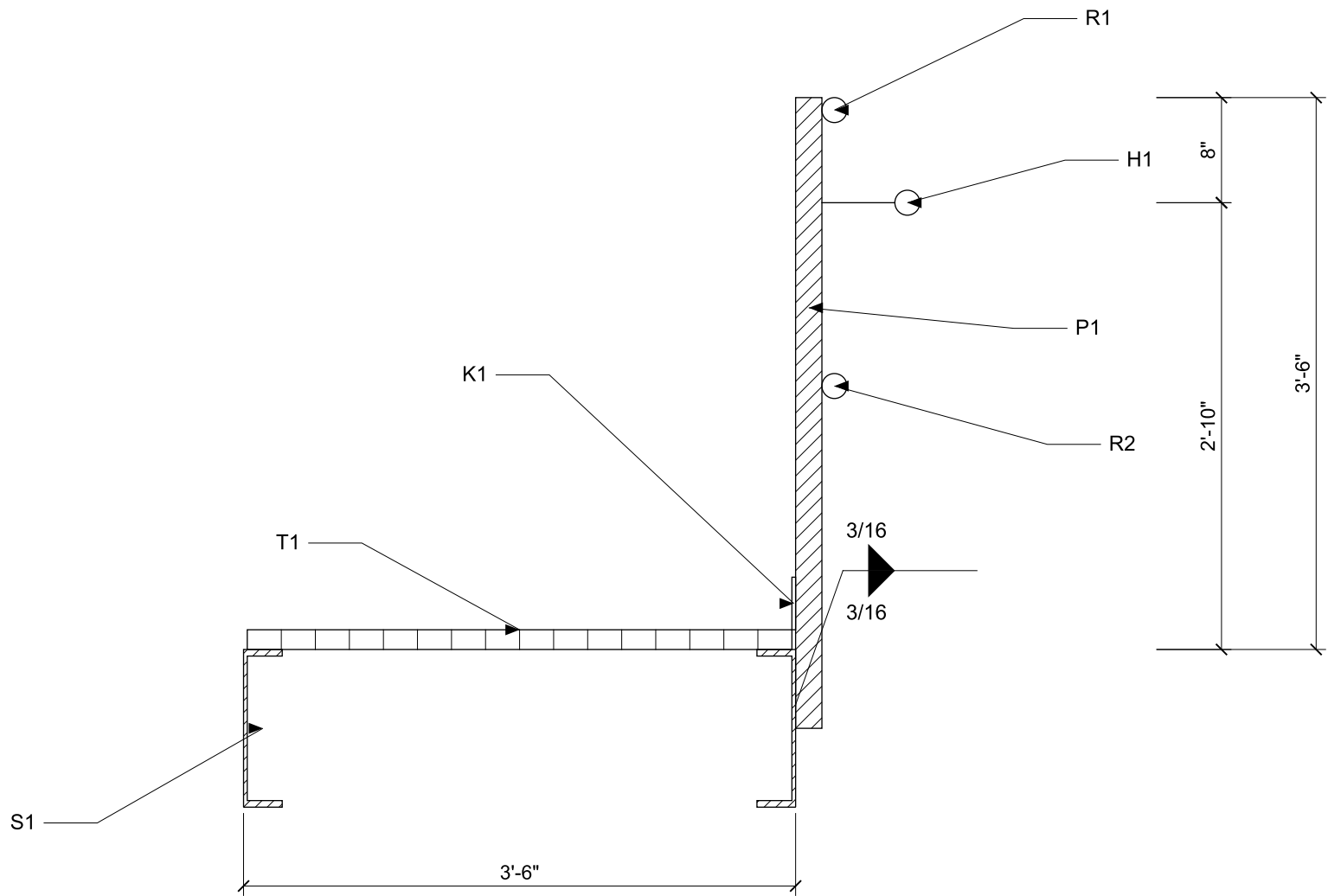
| MARK | QTY | DESCRIPTION                                              | DETAILED ON   |
|------|-----|----------------------------------------------------------|---------------|
| S1   | 2   | C12X20.7 STRINGER                                        | MS-102        |
| T1   | 19  | TREAD, 1-1/4 X 3/16 GRATING, CHECKERED NOSING            | MS-102        |
| P1   | 7   | HSS2X2X1/4 GUARD POST                                    | MS-102        |
| BP1  | 2   | PL 1/2 X 6 X 0'-8 BASE PLATE                             | MS-102        |
| CL1  | 2   | L4X4X3/8 X 0'-6 TOP CLIP                                 | MS-102        |
| K1   | 2   | PL 1/4 X 4 TOE PLATE                                     | MS-102        |
| R1   | 1   | PIPE 1-1/2 STD TOP RAIL                                  | MS-102        |
| R2   | 1   | PIPE 1-1/2 STD MID RAIL                                  | MS-102        |
| H1   | 1   | PIPE 1-1/2 STD HANDRAIL                                  | MS-102        |
| BR1  | 7   | HANDRAIL BRACKET, PL 1/4 BENT                            | MS-102        |
|      | 44  | 10 PIECE MARKS, 0.95 TONS, PRICE IS QUOTED ON THIS COUNT | BOM ON MS-103 |

BOLT SCHEDULE

| MARK | SIZE    | GRADE       | QTY | HOLE                   | LOCATION                                 |
|------|---------|-------------|-----|------------------------|------------------------------------------|
| A    | 3/4 DIA | A325-N      | 4   | 13/16 STD ROUND        | S1 TO LANDING BEAM, 2 PER STRINGER       |
| B    | 3/4 DIA | F1554 GR 36 | 4   | 1 5/16 OVERSIZE IN BP1 | BP1 TO SLAB, 2 PER PLATE, RODS BY OTHERS |
| C    | 3/8 DIA | A307        | 14  | 7/16 STD ROUND         | BR1 TO P1, 2 PER BRACKET                 |
|      |         |             | 22  | TOTAL BOLTS            | ALL FIELD BOLTED, SNUG TIGHT             |

STAIR DATA

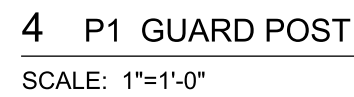
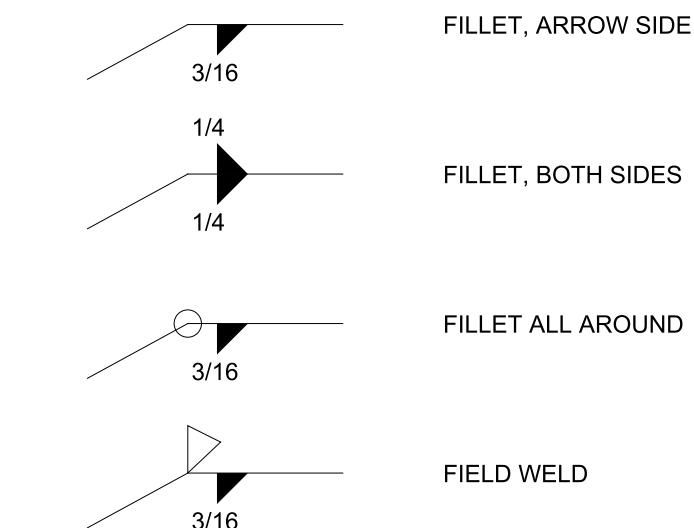
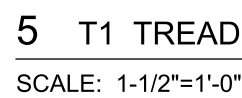
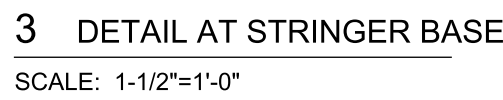
| ITEM           | VALUE               |
|----------------|---------------------|
| FLOOR TO FLOOR | 12'-0"              |
| RISERS         | 20 AT 7 3/16"       |
| TREADS         | 19 AT 11"           |
| TOTAL RUN      | 17'-5"              |
| SLOPE          | 33.2 DEG            |
| WIDTH          | 3'-6" O/O STRINGERS |
| GUARD          | 3'-6" ABOVE NOSING  |
| HANDRAIL       | 2'-10" ABOVE NOSING |



3 SECTION AT MID FLIGHT

SCALE: 1"=1'-0"

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |             |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|----|
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DATE | DESCRIPTION | BY |
| <div><div><div></div><div></div></div><div>CLEARLINE DESIGN</div></div> <div>SHOP DRAWINGS   DETAILING   DRAFTING AUTOMATION<br/>clearlinecontent.com dylan@clearlinecontent.com KANSAS CITY, MO</div> <div>CLIENT<br/>SAMPLE CLIENT - GENERAL CONTRACTOR</div> <div>PROJECT<br/>SAMPLE PROJECT - PLANT MEZZANINE ACCESS<br/>STAIR 1, LEVEL 1 TO LEVEL 2, KANSAS CITY, MO</div> <div>SHEET TITLE<br/>MISCELLANEOUS METALS - STAIR 1<br/>ERECTION PLAN, ELEVATION AND SECTION</div> <div>DRAWN BY<br/>DF</div> <div>CHECKED BY<br/>DF</div> <div>DATE<br/>2026-09-09</div> <div>JOB NO.<br/>CL-2604</div> <div>SCALE<br/>AS NOTED</div> <div>SHEET NO.<br/>MS-101</div> <div>REV<br/>0</div> |      |             |    |



SAMPLE DRAWING - PREPARED BY CLEARLINE DESIGN TO ILLUSTRATE DRAFTING AND DETAILING STANDARDS - NOT FOR CONSTRUCTION

[illegible]