

GRANDSTAND FINISH		DRAWING INDEX			ORIG. REL. DATE	REV.	REV. REL. DATE
STEEL UNDERSTRUCTURE	GALVANIZED	PART NO.	SHEET	DESCRIPTION			
FOOTBOARDS	MILL-INTERLOCKING	279624		COVER SHEET			
RISERBOARD	ANODIZED	279626	1-0	FOUNDATION PLAN			
SEATBOARDS	ANODIZED	279626	2-0	STEEL FRAMING PLAN			
CHAIN LINK FENCE	GALVANIZED	272837	3-0	STEEL INSTALLATION DETAILS			
		272837	3-1	STEEL INSTALLATION DETAILS			
		279626	4-0	SEATING PLAN			
		273037	4-1.E	FOOTBOARD LAYOUT- 15 ROWS - ENDS			
		273085	4-1.M	FOOTBOARD LAYOUT- 15 ROW - MIDDLE			
		273037	4-2.E	RISERBOARD LAYOUT- 15 ROWS - ENDS			
		273085	4-2.M	RISERBOARD LAYOUT- 15 ROWS - MIDDLE			
		273037	4-3.E	SEATBOARD LAYOUT- 15 ROWS - ENDS			
		273085	4-3.M	SEATBOARD LAYOUT- 15 ROWS - MIDDLE			
		273037	4-4.E	RAIL POST LAYOUT- 15 ROWS - ENDS			
		273085	4-4.M	RAIL POST LAYOUT- 15 ROWS - MIDDLE			
		273165	4-9.P	PRESSBOX LANDING ALUMINUM LAYOUT			
		273177	4-9.FP	FILMING PLATFORM ALUMINUM LAYOUT			
		279627	5-0	END ELEVATION			
		279627	5-1	SECTION THRU BLEACHERS			
		279627	5-2	SECTION THRU BLEACHERS @ AISLE			
		272837	6-0	ALUMINUM INSTALLATION DETAILS			
		272837	6-5	RAILING INSTALLATION DETAILS			
		272837	6-6	RAILING INSTALLATION DETAILS			
		272833	7-0	U-SHAPED RAMP PLAN & SECTIONS			
		272834	7-1	RAMP INSTALLATION DETAILS			
		272773	9-0	STAIR INSTALLATION DETAILS			
		272835	10-0	PLATFORM INSTALLATION DETAILS			

LEE'S SUMMIT MO PARAGON STAR KANSAS CITY, MO PROJECT #48523.1A

Kevin M. Finn, P.E., Inc.
815 Waterbury Park Drive
Elkhart, IN 46517
MO Lic # 028788
MO Firm Registration # 2012002161

ENGINEERING NOTE

THE STRUCTURE STEEL FRAMING AND FOUNDATIONS FOR THE BLEACHER STRUCTURE WERE DESIGNED UNDER THE DIRECT SUPERVISION OF THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS

THE FOLLOWING ARE DELEGATED DESIGN ITEMS THAT HAVE BEEN DESIGNED BY DANT CLAYTON CORPORATION AND REVIEWED FOR GENERAL CONFORMANCE WITH THE PROJECT SPECIFIC CRITERIA WITHIN THIS DOCUMENT SET:

1. ALUMINUM SEATING SYSTEM AND THEIR ATTACHMENTS TO THE SUPERSTRUCTURE.
2. HANDRAILS, GUARDRAILS, STAIRS AND RAMPS AND THEIR ATTACHMENT TO THE SUPERSTRUCTURE

DESIGN SPECIFICATIONS

DESIGN AND CONSTRUCTION			GENERAL INFORMATION	STRUCTURAL STEEL	ALUMINUM MATERIALS
1. ALL DESIGN , MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES: 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN ALUMINUM ASSOCIATION OF AMERICA AISC MANUAL, 14th EDITION. ACI318 BUILDING CODE FOR REINFORCED CONCRETE 2015 INTERNATIONAL BUILDING CODE			1. ALL DIMENSIONS AND ASSUMED EXISTING CONDITIONS ARE TO BE FIELD VERIFIED. 2. THE STRUCTURE SHALL BE ADEQUATELY BRACED FOR WIND AND CONSTRUCTION LOADS UNTIL ALL STRUCTURAL ELEMENTS, SEATS AND FOOTBOARDS HAVE BEEN ADEQUATELY ATTACHED. 3. RIGHT OR LEFT ORIENTATION IS DETERMINED BY FACING THE BLEACHERS FROM THE ARENA AREA. 4. UTILIZE PACKING LIST WITH INSTALLATION DRAWINGS FOR EASE OF INSTALLATION. 5. SOME DIMENSIONS SHOWN FOR ALUMINUM EXTRUSIONS ARE NOMINAL. ACTUAL DIMENSIONS MAY VARY.	1. ALL DETAILING, FABRICATION, AND ERECTION SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS, AISC MANUAL, 14th EDITION. 2. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL BE ASTM A992, ASTM A572, GRADE 50 MULTI-CERTIFIABLE. ALL STRUCTURAL STEEL PLATES, CHANNELS, AND ANGLES SHALL BE ASTM A36. 3. ALL BOLTS 5/8"Ø AND LARGER SHALL BE ASTM A-325. ALL BOLTS 1/2"Ø AND SMALLER SHALL BE ASTM A-307. THREADED ROD SHALL BE ASTM A-36. 4. ALL STEEL CONNECTION ARE NOT SLIP CRITICAL CONNECTIONS AND ARE DESIGNED FOR BEARING AND SHEAR ONLY. 5. BOLTS SHALL BE INSPECTED FOR SNUG TIGHT CONDITION ONLY. 6. ALL FASTENERS 5/16" OR LARGER AND ALL STRUCTURAL BOLTS SHALL BE GALVANIZED. 7. EPOXY AND WEDGE ANCHORS SHALL BE STAINLESS STEEL TYPE 316 8. WELDING: ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.1. 8.1. ELECTRODES: CLASS E-70 XX SERIES ELECTRODES 8.2. WELDERS: CERTIFIED. 8.3. GROOVE AND BUTT: PARTIAL PENETRATION (U.O.N.) WELDS 8.4. FILLET WELDS: SIZES SPECIFIED ARE MINIMUM STRUCTURAL WELDS. INCREASE AS REQUIRED BY AISC SPECIFICATION TABLE J2.4. 8.5. FIELD WELDING: MAY BE REQUIRED TO FACILITATE CONSTRUCTION. 8.6. TERMINATION: WELDS TERMINATING AT ENDS OR SIDES, WHEREVER PRACTICABLE, SHALL BE RETURNED CONTINUOUSLY AROUND CORNERS A DISTANCE 2 TIMES THE NOMINAL SIZE OF THE WELD PER AISC SPECIFICATION SECTION J2.2B. 8.7. LENGTHS: WHERE LENGTH IS NOT SPECIFIED, IT SHALL BE THE FULL LENGTH OF THE JOINT. 8.8. SPECIFICATION: ALL WELDS SHALL BE PRE-QUALIFIED PER AWS D1.1. THE WPS SHALL INCLUDE THE WELDING PARAMETERS RECOMMENDED BY THE ELECTRODE MANUFACTURER.	1. ALL ALUMINUM FOOTBOARDS & SEATBOARD SHALL BE 6063-T6 2. ALL ALUMINUM RISERBOARDS SHALL BE 6063-T6 3. ALL ALUMINUM GUARDRAILS & GUARDRAIL POST SHALL BE 6061-T6 4. ALL ALUMINUM RAMP CHANNELS SHALL BE 6063-T6 5. ALL ALUMINUM GRABRAILS/HANDRAILS SHALL BE 6061-T4 OR 6061-T6 6. ALL ALUMINUM ANGLE SHALL BE 6061-T6 7. ALL ALUMINUM FLAT BAR SHALL BE 6063-T6 8. ALL ALUMINUM JOINT COVER SHALL BE 6063-T4 9. ALL ALUMINUM ZEE SHAPES SHALL BE 6061-T6 OR 6063-T6 NOTE: ALUMINUM STAINING IS TYPICAL IN THE BLEACHER GRANDSTAND INDUSTRY. ALUMINUM WALKING SURFACES ARE "MILL" FINISH AND ARE THEREFORE SUBJECT TO OXIDATION. THIS OXIDATION IS EXACERBATED BY TRAPPED MOISTURE WHICH HAPPENS DURING MATERIAL PACKAGING, SHIPPING AND/OR STORAGE AND MANIFESTS ITSELF BY STAINING FROM A BLACK TO A CHALKY WHITE COLORATION. THESE STAINS BECOME LESS NOTICEABLE OVER TIME BY NORMAL USAGE AND EXPOSURE TO THE ATMOSPHERE. MOISTURE STAINS HAVE NO EFFECT UPON PERFORMANCE OR STRENGTH OF THE MATERIAL.
DESIGN LOADS			REINFORCED CONCRETE		
1. DEAD LOAD	6 PSF	SEATBOARDS, FOOTBOARDS, RISERBOARDS, STEEL FRAME, ETC.	1. ALL CONCRETE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI 318. 2. CAST-IN-PLACE AND PRE-CAST CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS. 3. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED TO 6% ± 1% 4. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 GRADE 60. 5. CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED IN DRAWINGS. 3" PLACED DIRECTLY AGAINST EARTH. 2" CONCRETE EXPOSED TO EARTH OR WEATHER. 1 1/2" COLUMNS (TO TIES).		
2. LIVE LOAD	100 PSF 120 PLF 120 PLF	TO STRUCTURAL MEMBER SEATBOARDS FOOTBOARDS			
3. BASIC WIND VELOCITY	120 MPH				
4. SWAY	24 PLF 10 PLF	PARALLEL PER FT. OF ROW PARALLEL TO SEAT RUN PERPENDICULAR PER FT. OF ROW			
5. GUARD RAILS	200 LB OR 50 LB/FT 100 LB/FT	CONCENTRATED LATERAL LOAD UNIFORM LATERAL LOAD UNIFORM VERTICAL LOAD			

ENGINEERING NOTE

THE STRUCTURE STEEL FRAMING AND FOUNDATIONS FOR THE BLEACHER STRUCTURE WERE DESIGNED UNDER THE DIRECT SUPERVISION OF THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS.


THE FOLLOWING ARE DELEGATED DESIGN ITEMS THAT HAVE BEEN DESIGNED BY DANT CLAYTON CORPORATION AND REVIEWED FOR GENERAL CONFORMANCE WITH THE PROJECT SPECIFIC CRITERIA WITHIN THIS DOCUMENT SET:

1. ALUMINUM SEATING SYSTEM AND THEIR ATTACHMENTS TO THE SUPERSTRUCTURE.
2. HANDRAILS, GUARDRAILS, STAIRS AND RAMPS AND THEIR ATTACHMENT TO THE SUPERSTRUCTURE

DISCLAIMERS

IT IS THE SOLE RESPONSIBILITY OF THE CUSTOMER TO VERIFY THAT THE APPROVAL DRAWINGS SATISFY LOCAL, STATE AND FEDERAL REGULATIONS. IT IS RECOMMENDED THAT THE DRAWINGS BE REVIEWED AND APPROVED BY LOCAL AUTHORITIES WITH JURISDICTIONAL AUTHORITY. REVISIONS AFTER REVIEW MAY RESULT IN CHANGE ORDERS FOR ADDITIONAL TIME AND/OR MONEY. THE APPROVAL DRAWINGS ARE NOT TO BE USED AS CONSTRUCTION DRAWINGS.

PROJECT NAME:
LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION

DESIGNER	CHECKER	DATE	SCALE

REV.	DATE	DESCRIPTION

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE

DESIGNER	CHECKER	DATE	SCALE
----------	---------	------	-------

PROJECT NAME:

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REVISIONS		INITIALS	ECO NUMBER
REV.	DATE		
1	A		
2	B		
3	C		
4	D		
5	E		

DESCRIPTION	PLAN	SECTION	DETAIL	INTERLOCKING
	139-6-0	15	42	

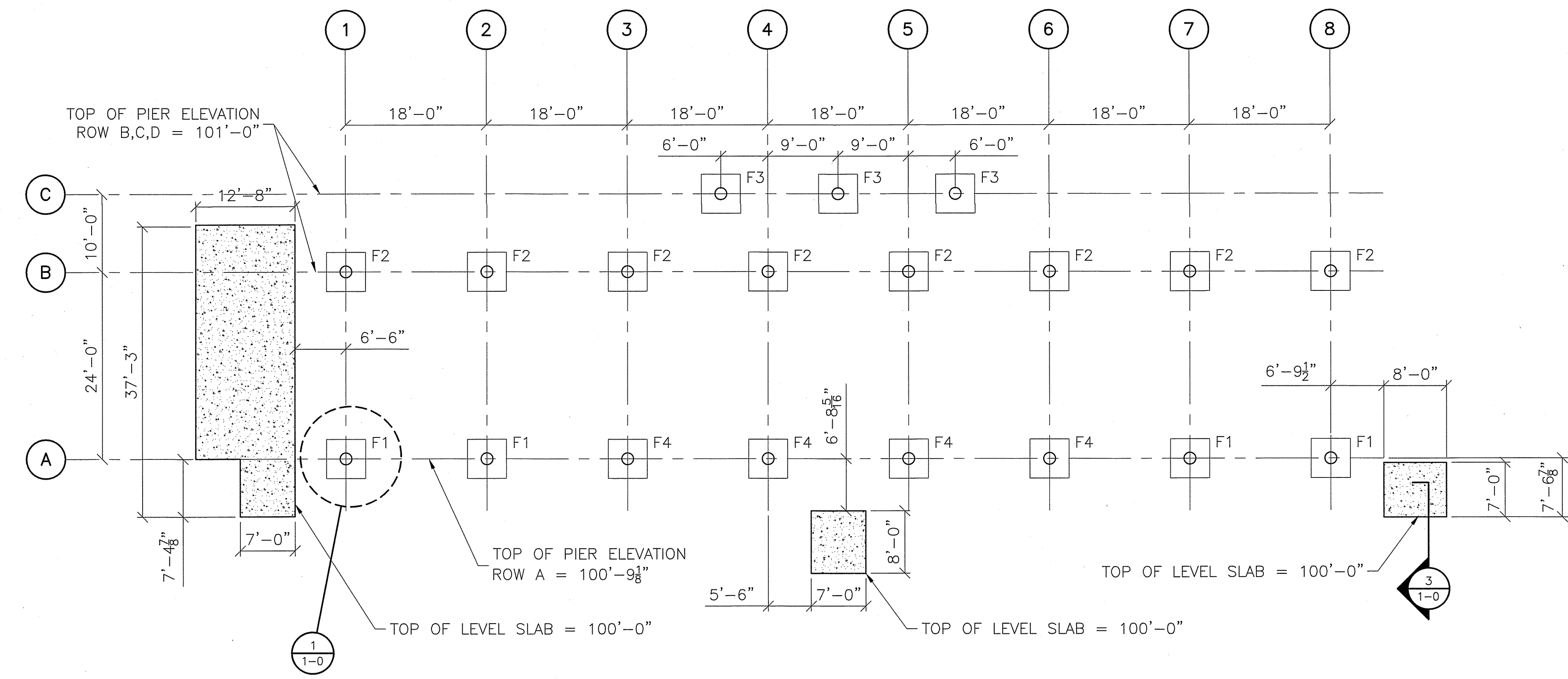
ALLEN	AS NOTED
-------	----------

SHEET NUMBER

1-0

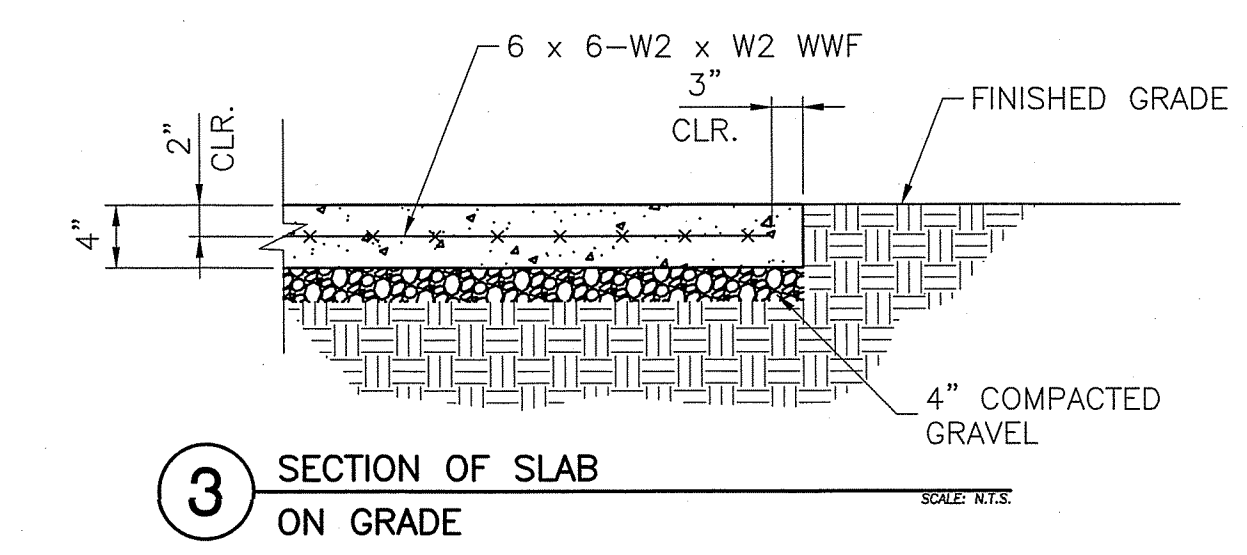
PART NUMBER

0279626

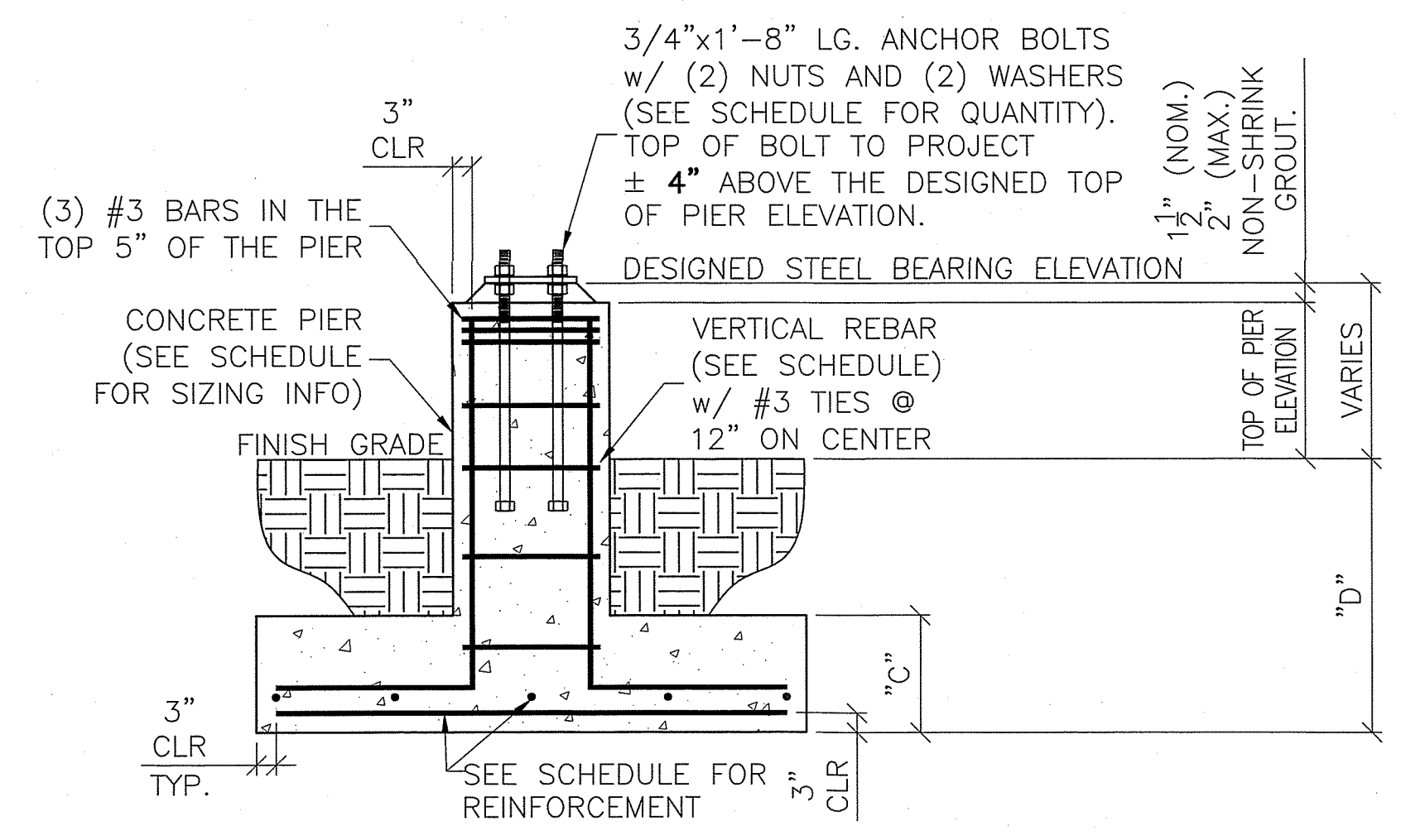


FOUNDATION PLAN
SCALE: N.T.S.

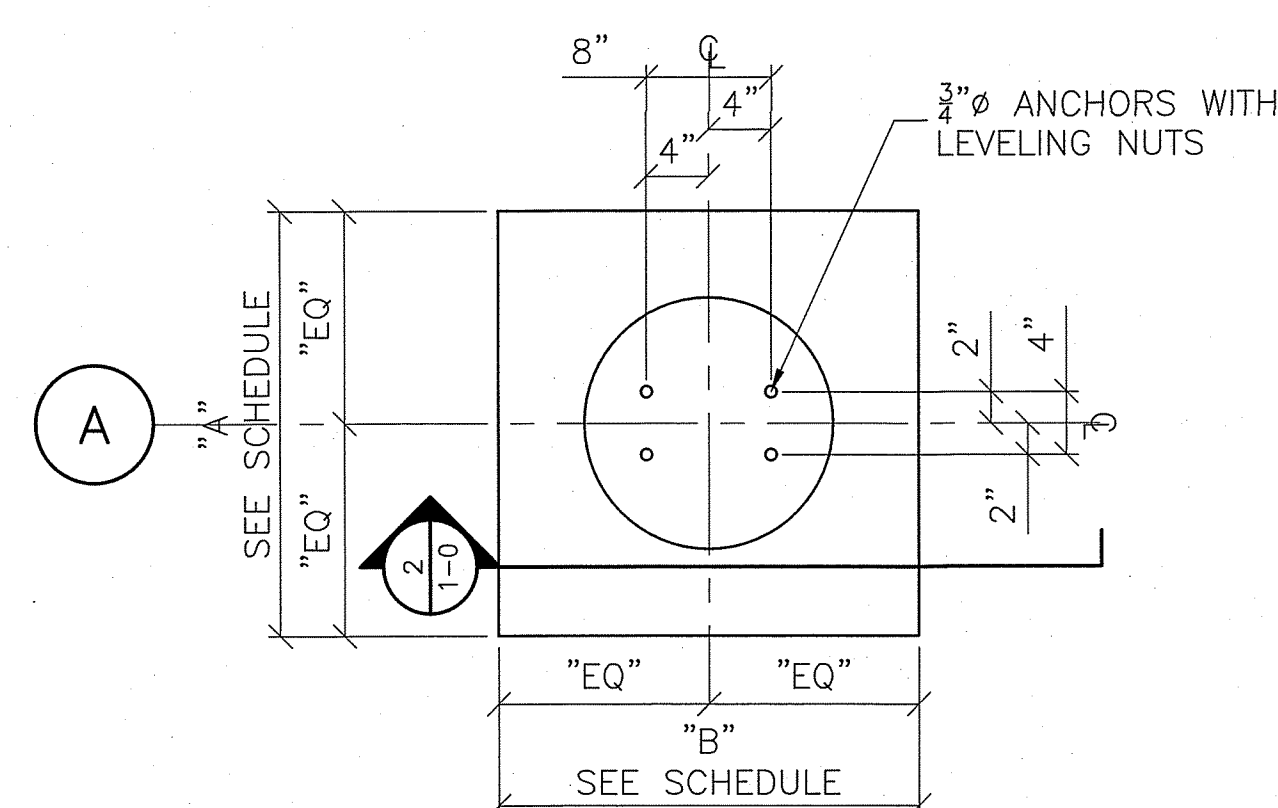
- NOTES:**
- THE ELEVATION OF THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1 1/2" BELOW THE STEEL BEARING ELEVATION. TOLERANCES FOR THE TOP OF CONCRETE PIER SHALL BE +/- 1/8". THE CONCRETE INSTALLER IS RESPONSIBLE FOR NON-SHRINK GROUTING.
 - ALL COLUMN ANCHOR BOLTS MUST HAVE A 4" PROJECTION (+/- 1/8") ABOVE THE TOP OF PIER ELEVATION.
 - MAXIMUM HORIZONTAL TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE 1/8".
 - ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING REVIEW PROCESS PRIOR TO FOUNDATION EXCAVATION. DANT CORP. SHALL NOT BE RESPONSIBLE FOR DAMAGE TO UNDERGROUND UTILITIES.
 - MINIMUM FOOTING DEPTH IS DETERMINED BY STATE AND LOCAL BUILDING CODES.
 - SOIL BEARING PRESSURE IS TO BE DETERMINED BY SOILS ENGINEER.
- THE TOP OF CONCRETE MAY BE RAISED TO MATCH THE STEEL BEARING ELEVATION AT THE INSTALLER'S DISCRETION. INSTALLER IS THEN RESPONSIBLE FOR ANY ADJUSTMENTS.



3 SECTION OF SLAB ON GRADE
SCALE: N.T.S.



2 SECTION THRU FOUNDATION
SCALE: N.T.S.



1 ANCHOR BOLT LAYOUT
PLAN OF FOOTING & PIER
SCALE: N.T.S.

ASSUMED FROST DEPTH - 48"
ASSUMED SOIL BEARING CAPACITY - 2,000PSF

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



**DANT CLAYTON
CORPORATION**
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

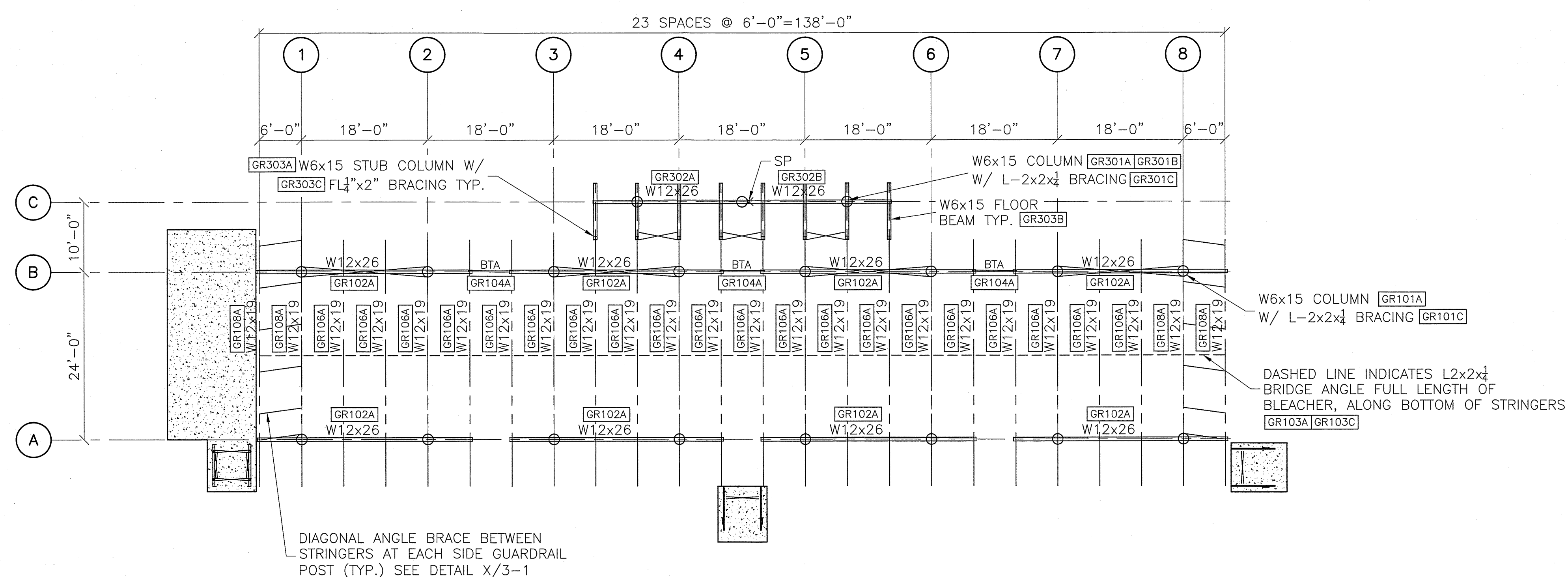
REVISIONS				
REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

SHEET NUMBER

2-0

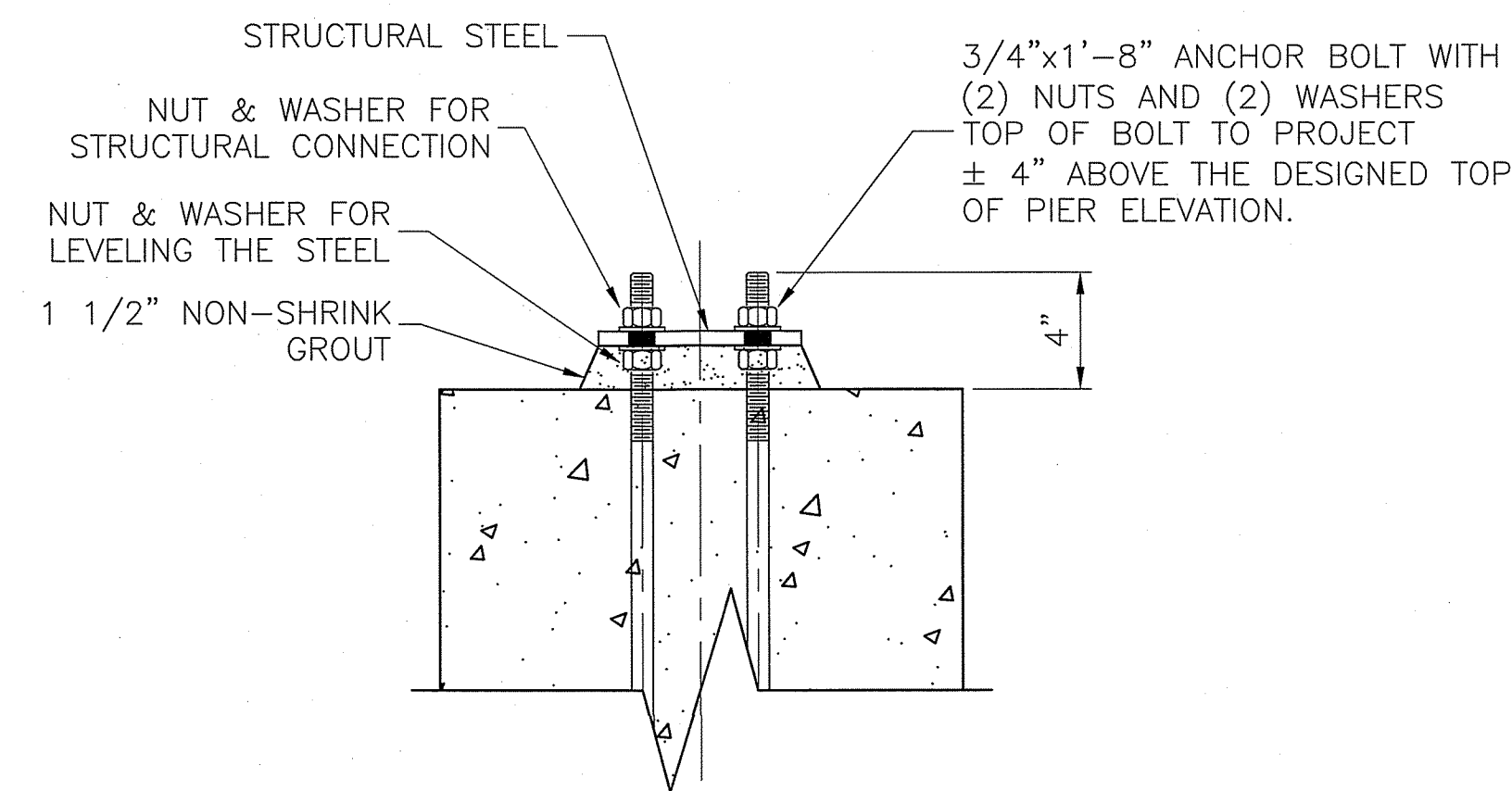
PART NUMBER

0279626

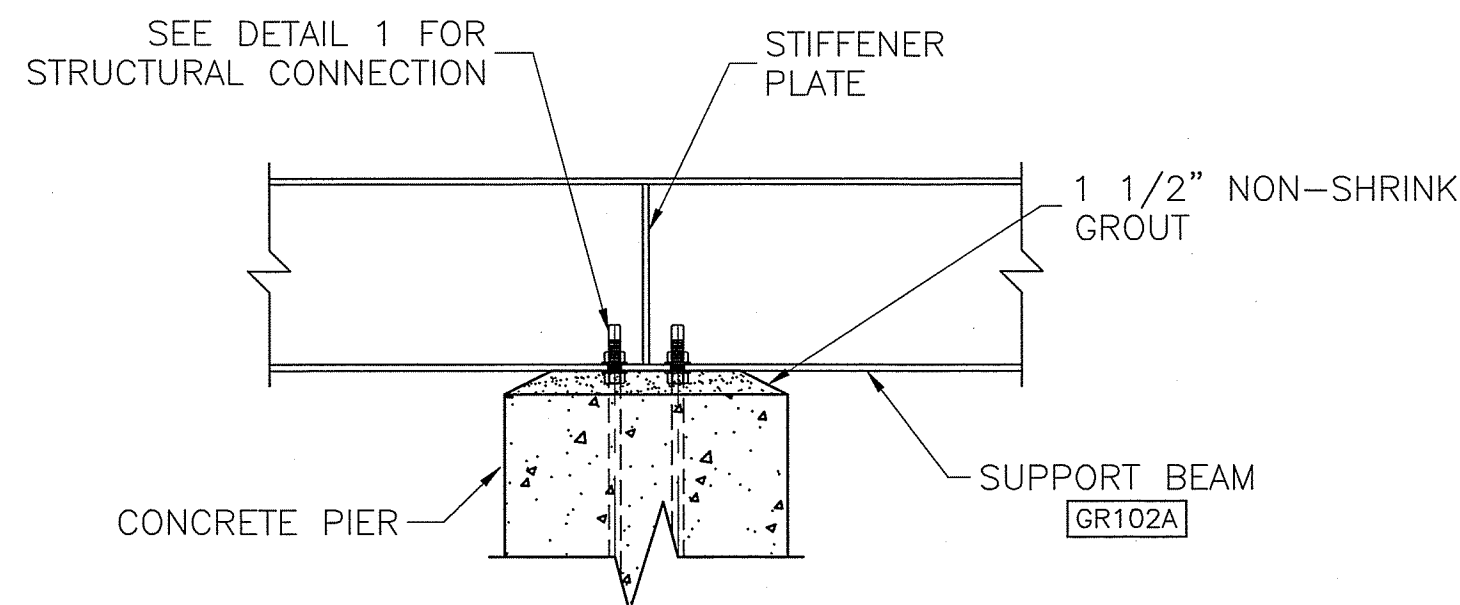


FRAMING PLAN

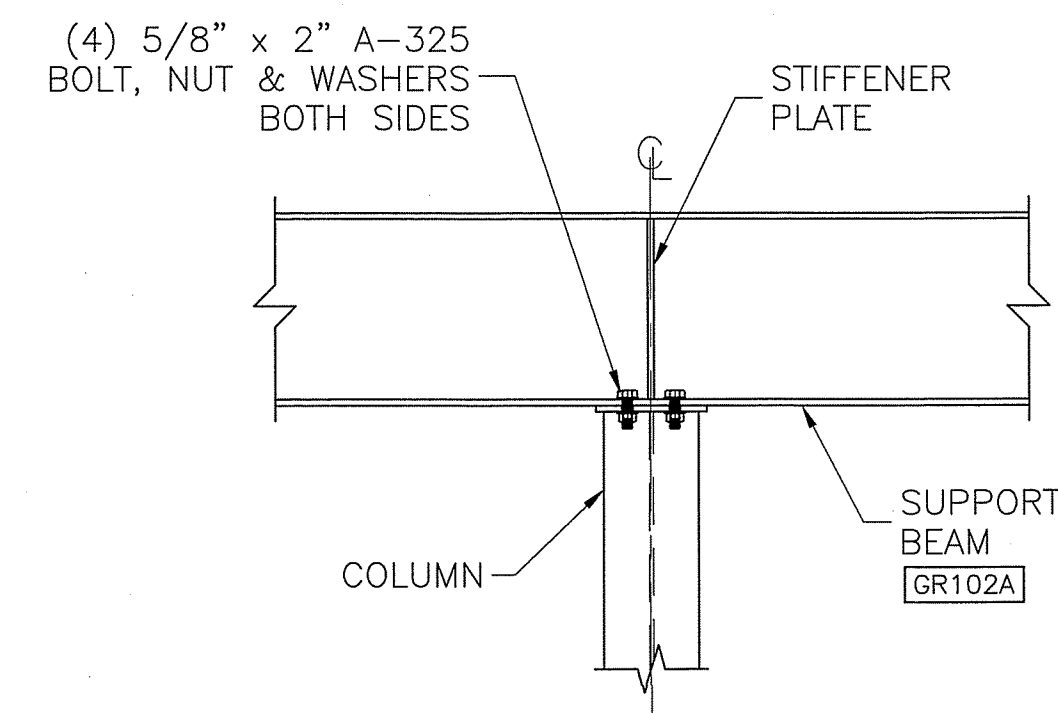
SCALE: N.T.S.



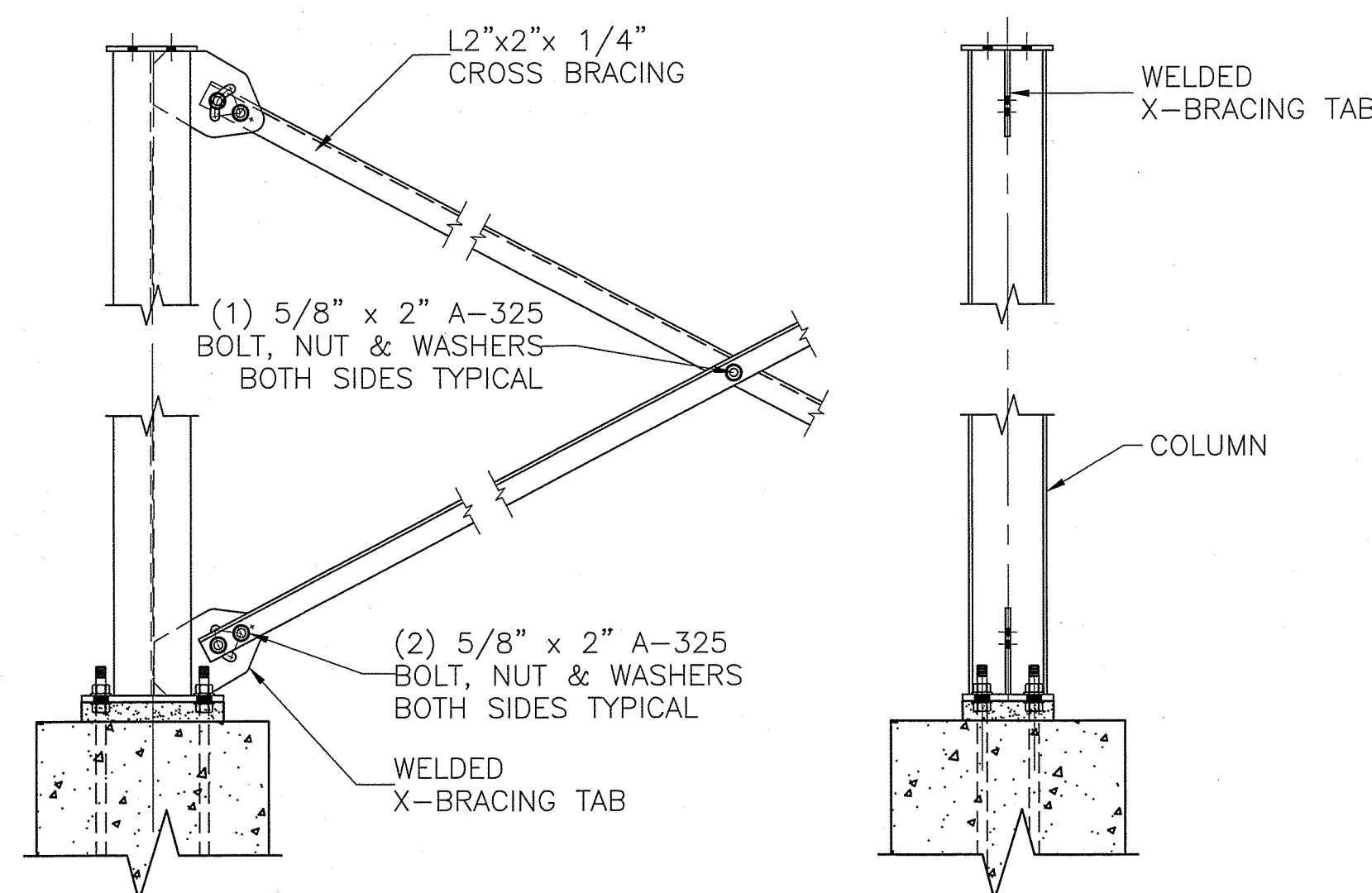
1 TYP. PIER CONNECTION SCALE: N.T.S.



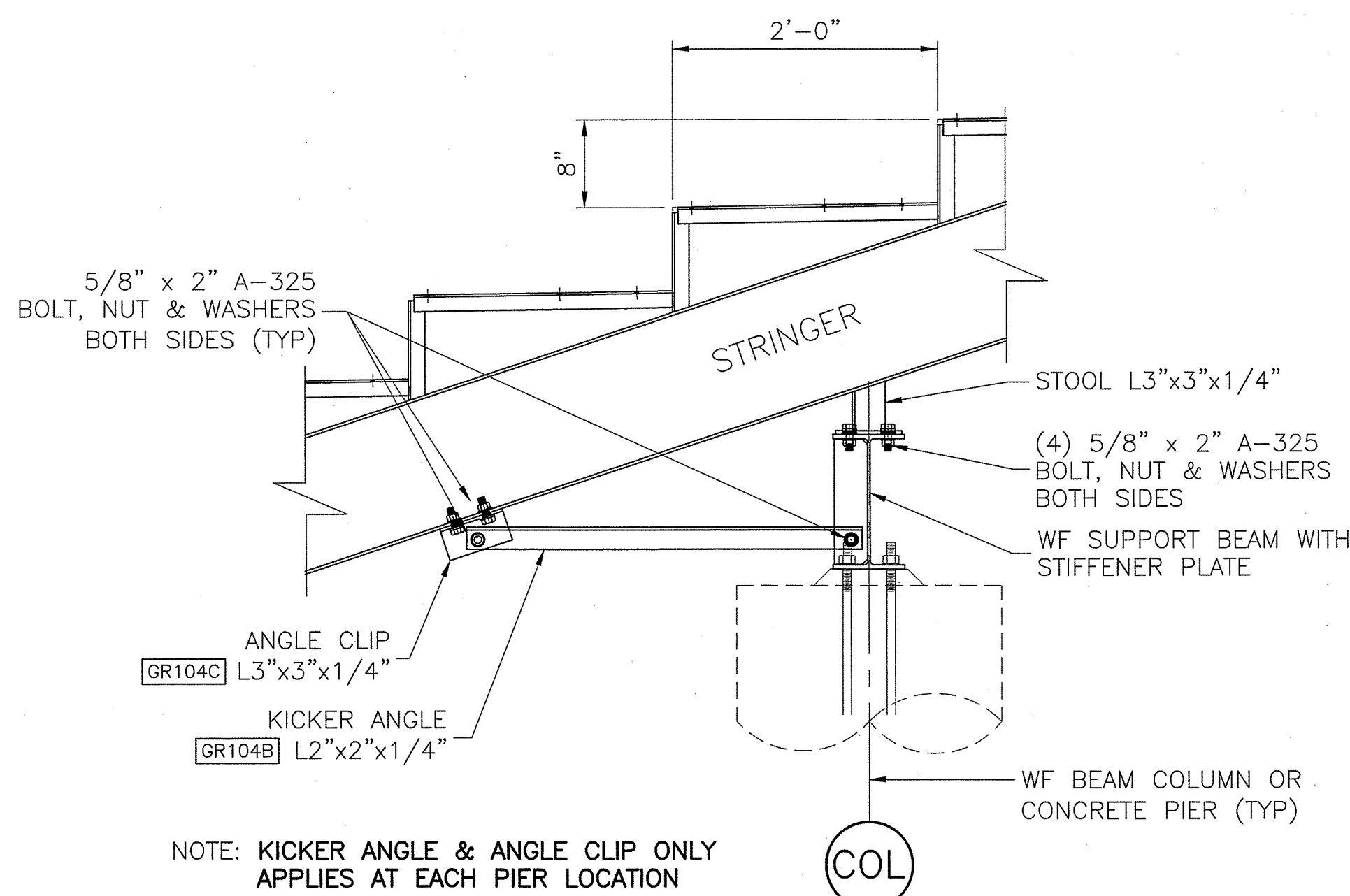
2 TYP. SUPPORT BEAM TO PIER CONNECTION SCALE: N.T.S.



3 TYP. SUPPORT BEAM TO COLUMN CONNECTION SCALE: N.T.S.

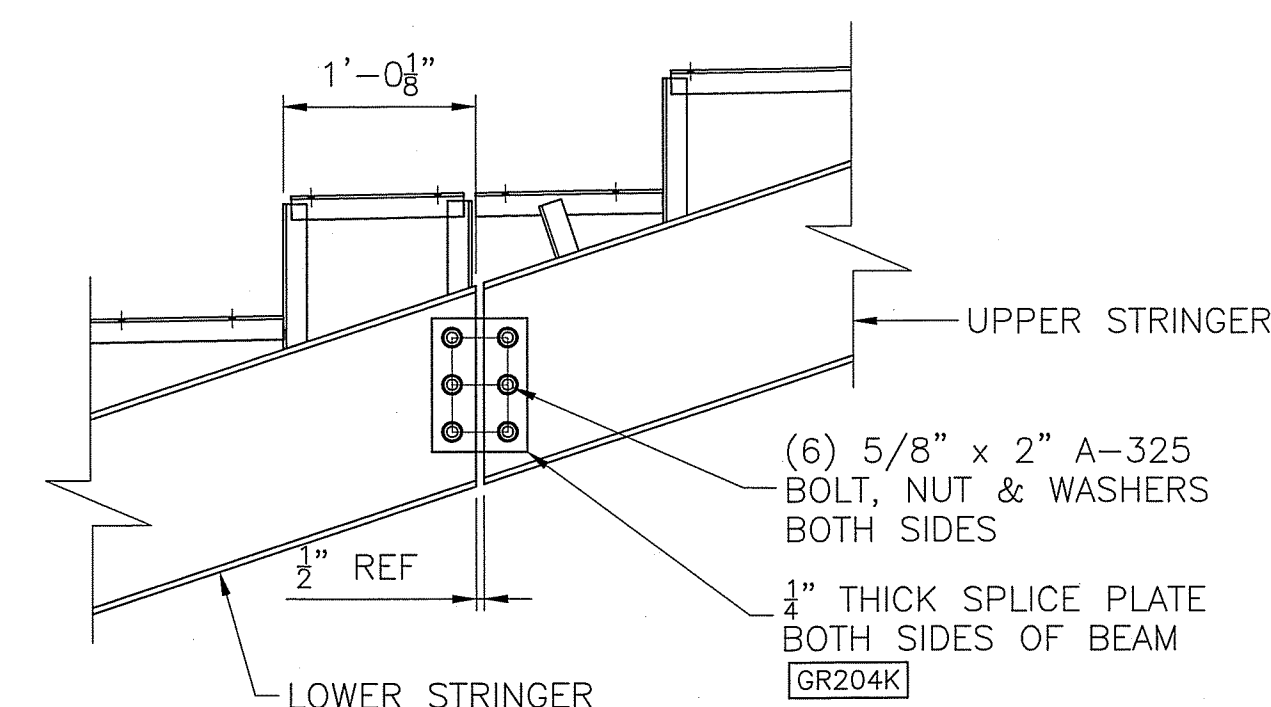


4 TYP. COLUMN CONNECTION TO PIER WITH ANGLE BRACING SCALE: N.T.S.

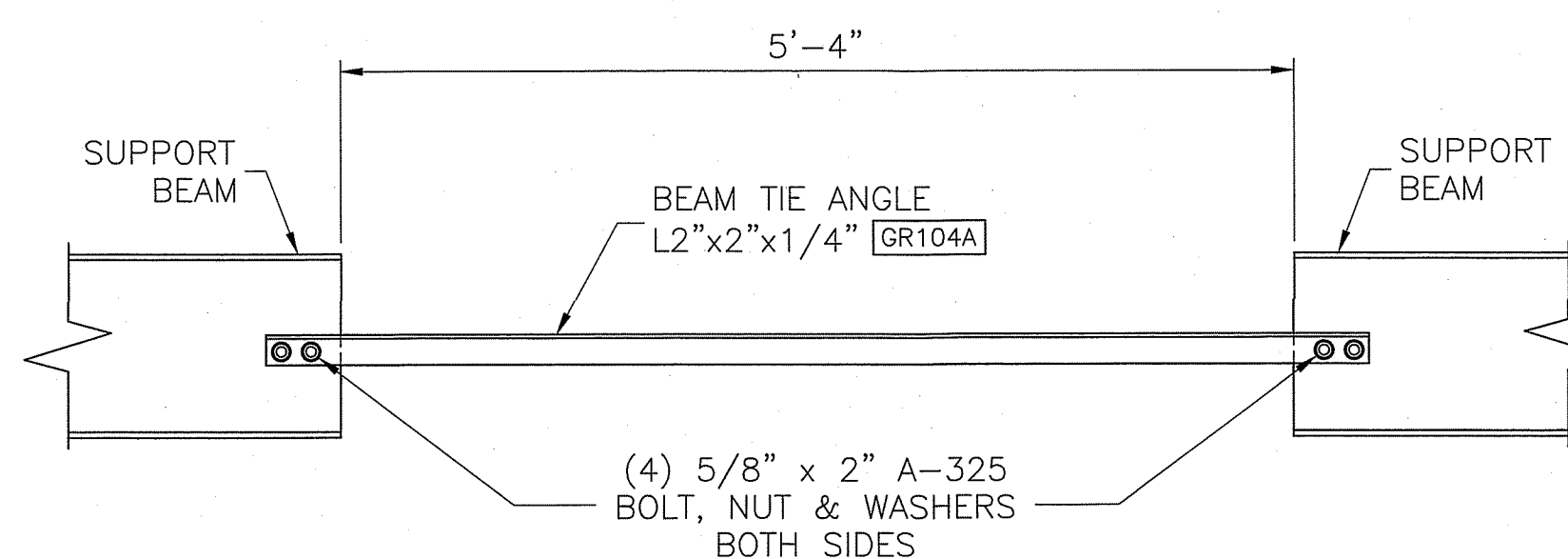


NOTE: KICKER ANGLE & ANGLE CLIP ONLY APPLIES AT EACH PIER LOCATION

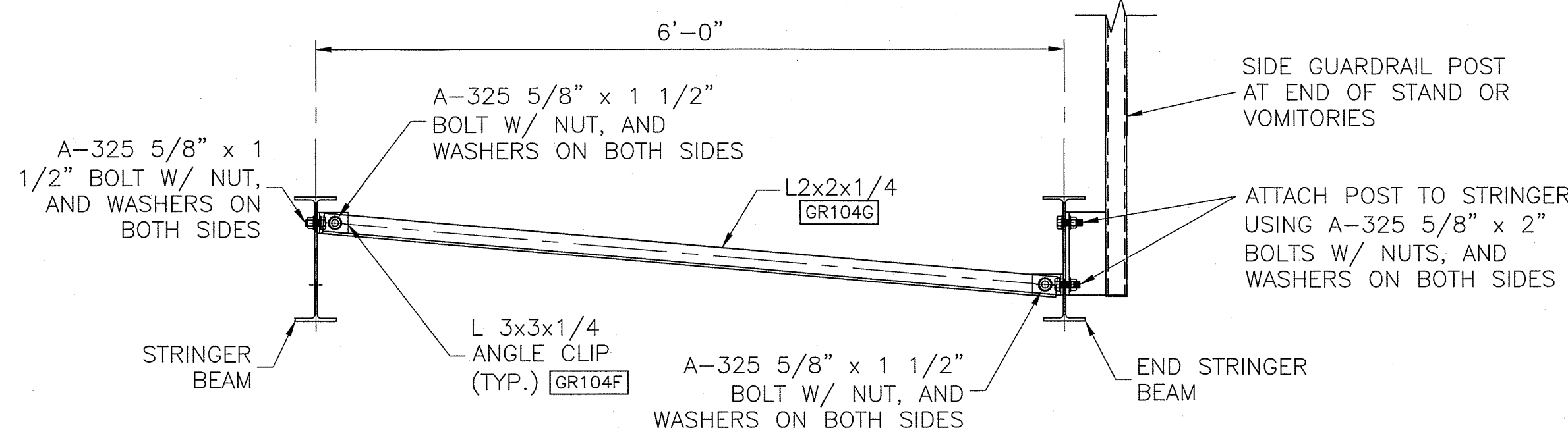
5 TYP. STRINGER TO SUPPORT BEAM CONNECTION SCALE: N.T.S.



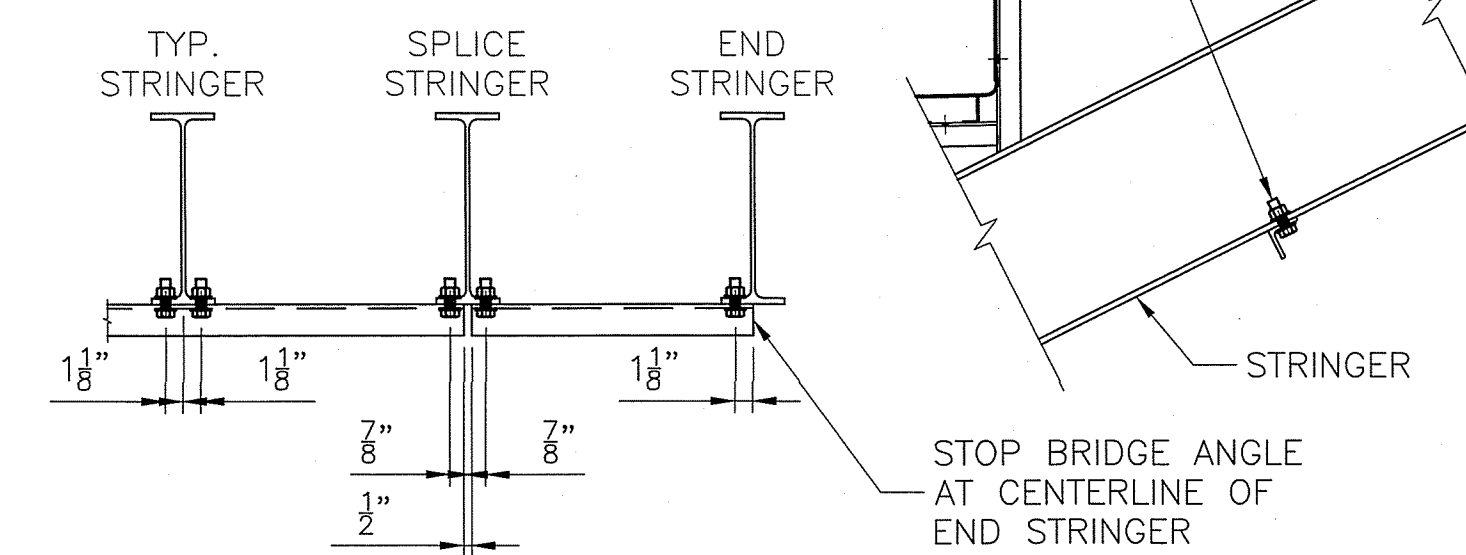
6 TYP. STRINGER SPLICE CONNECTION DETAIL SCALE: N.T.S.



7 TYP. BEAM TIE CONNECTION SEE SHEET 2-0 FOR LOCATION SCALE: N.T.S.



8 TYP. STRINGER BRACING AT ALL RAIL CONNECTIONS SCALE: N.T.S.



9 BRIDGE ANGLE ATTACHMENT SCALE: N.T.S.

NOTES:
1. USE WASHERS ON BOTH SIDES OF ALL STEEL CONNECTIONS. ALL BOLTS TO FACE SAME DIRECTION.

PROJECT NAME:

CRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Bernheim Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECD NUMBER
1				
2				
3				
4				
5				
6				
7				
8				
9				

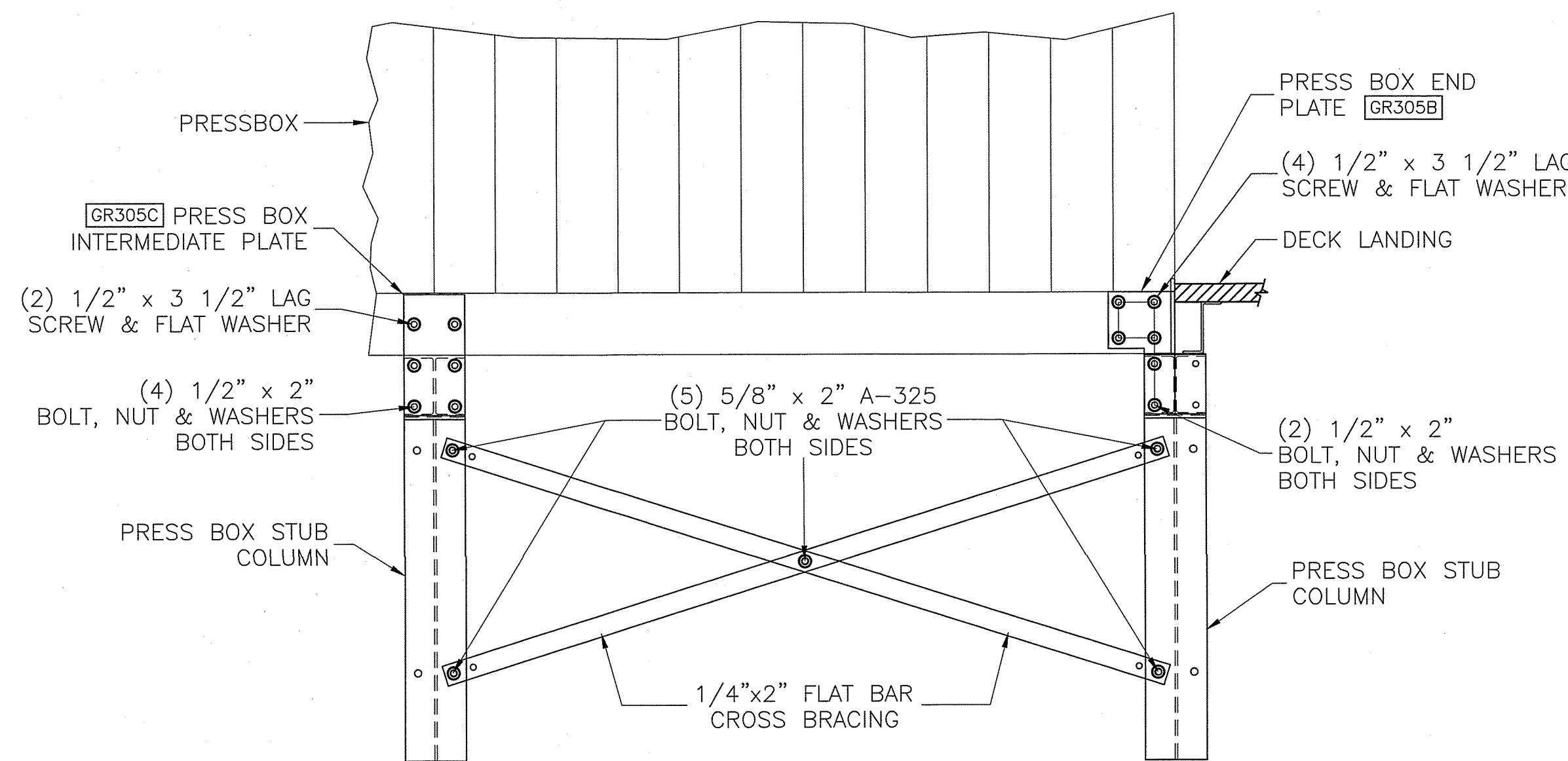
SHEET NUMBER

3-0

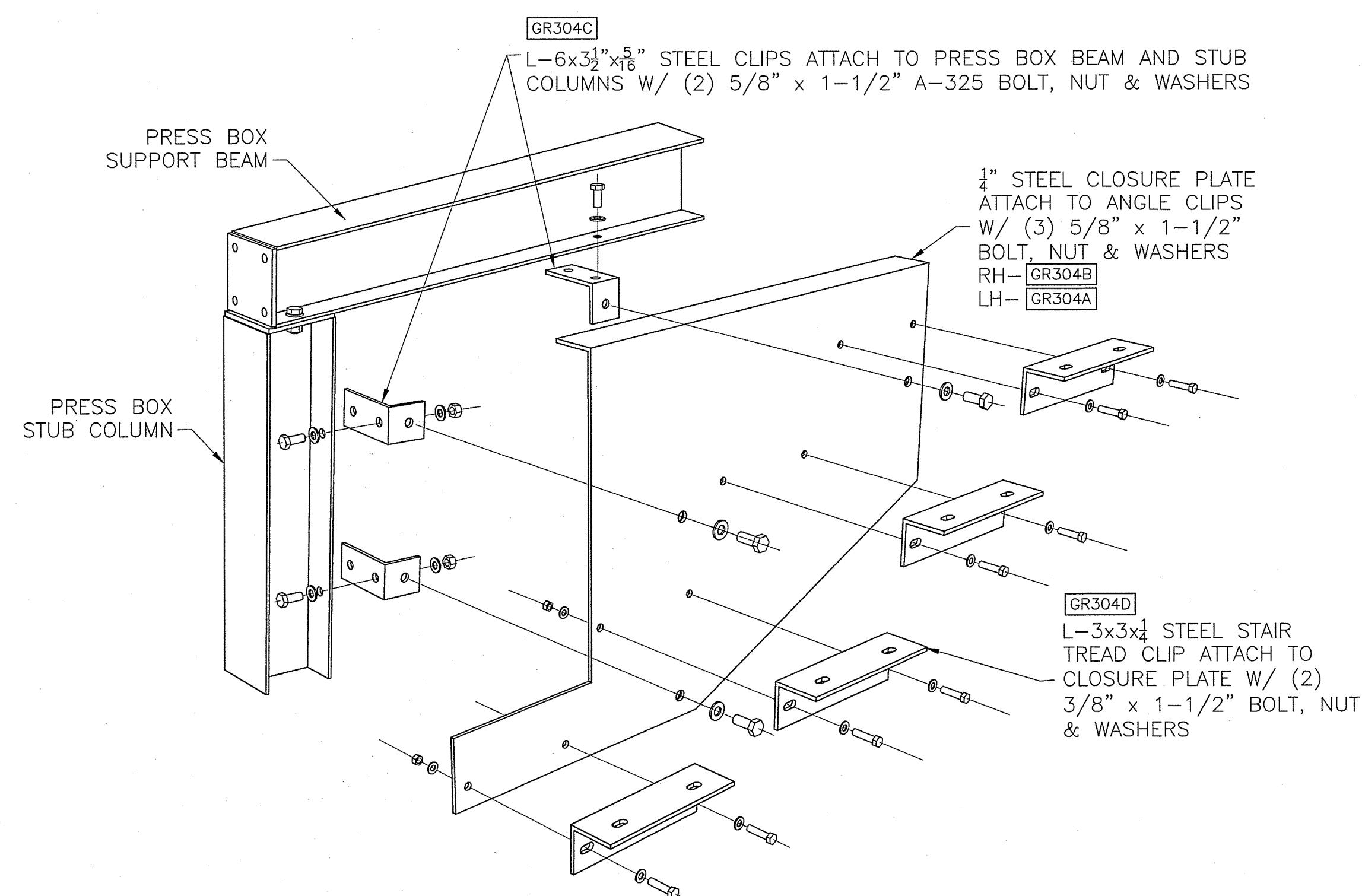
PART NUMBER

0272837

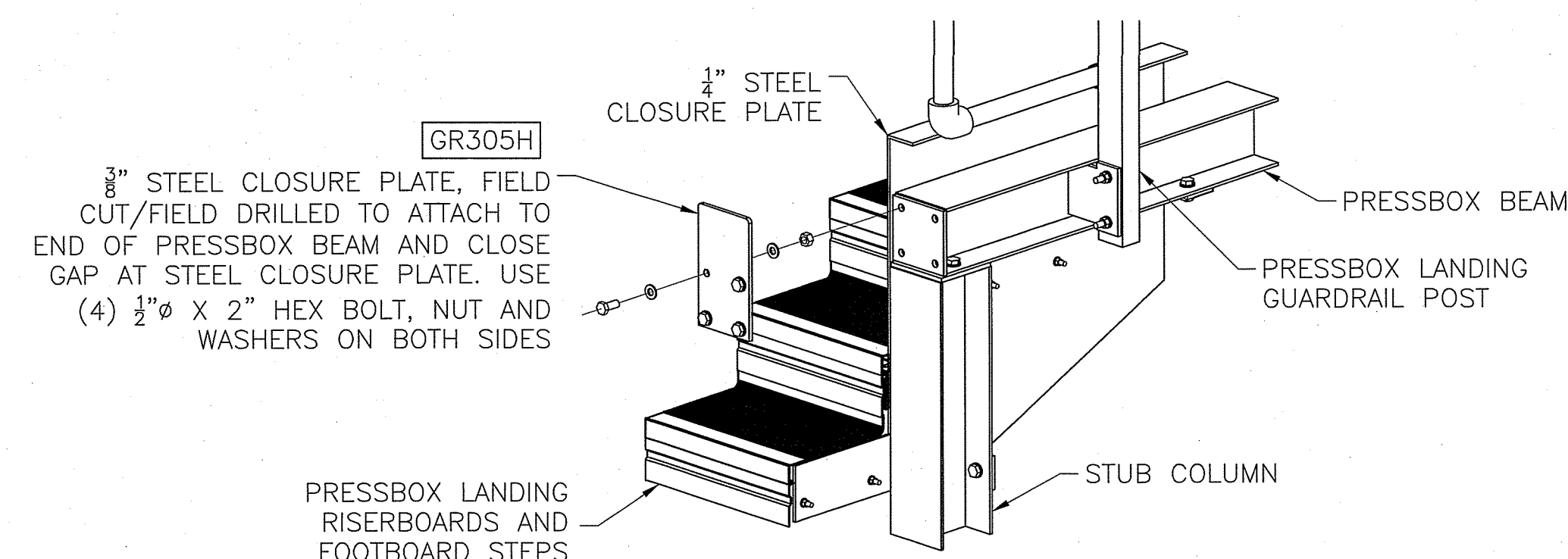




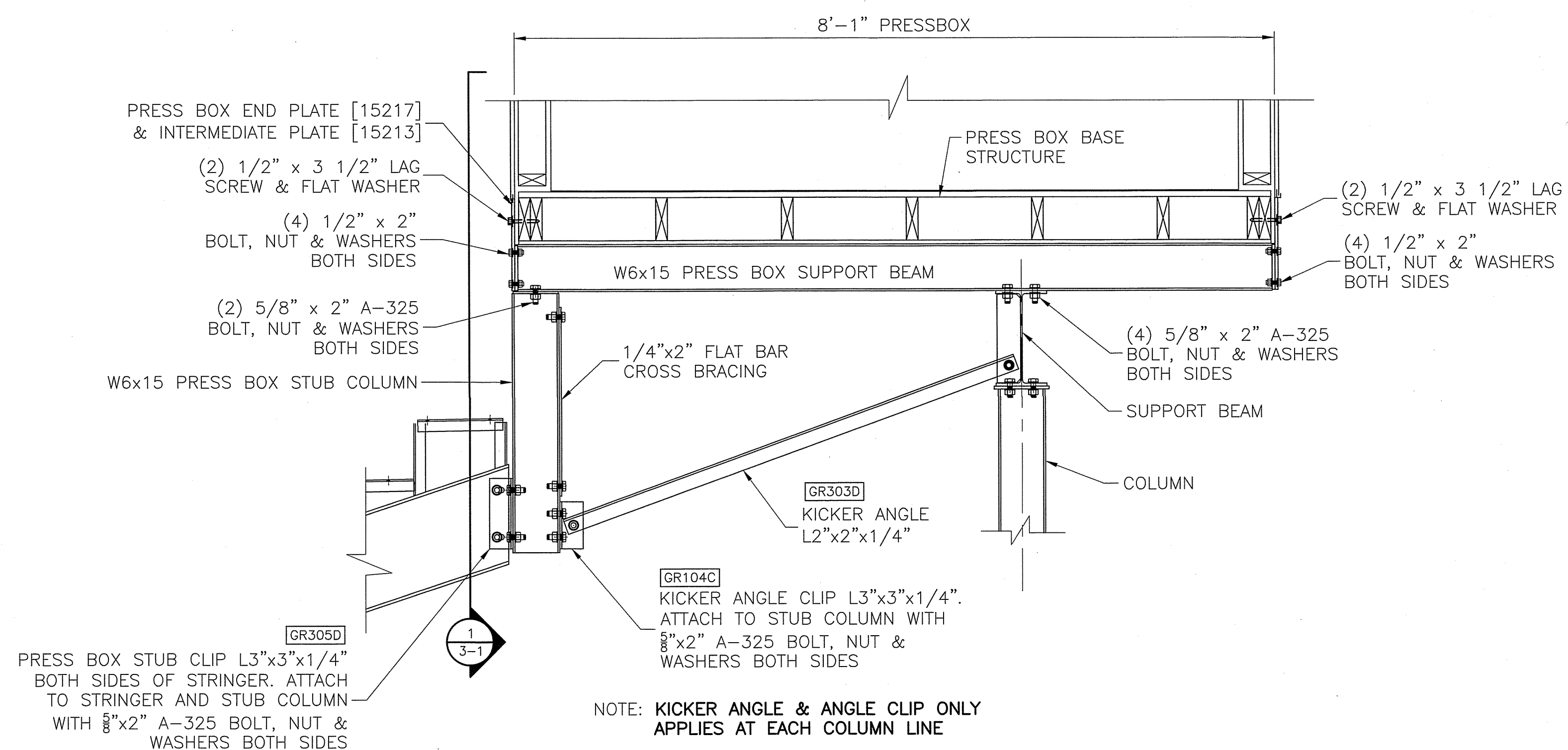
1 TYP PRESS BOX BEAM AND STUB CROSS BRACING CONNECTION



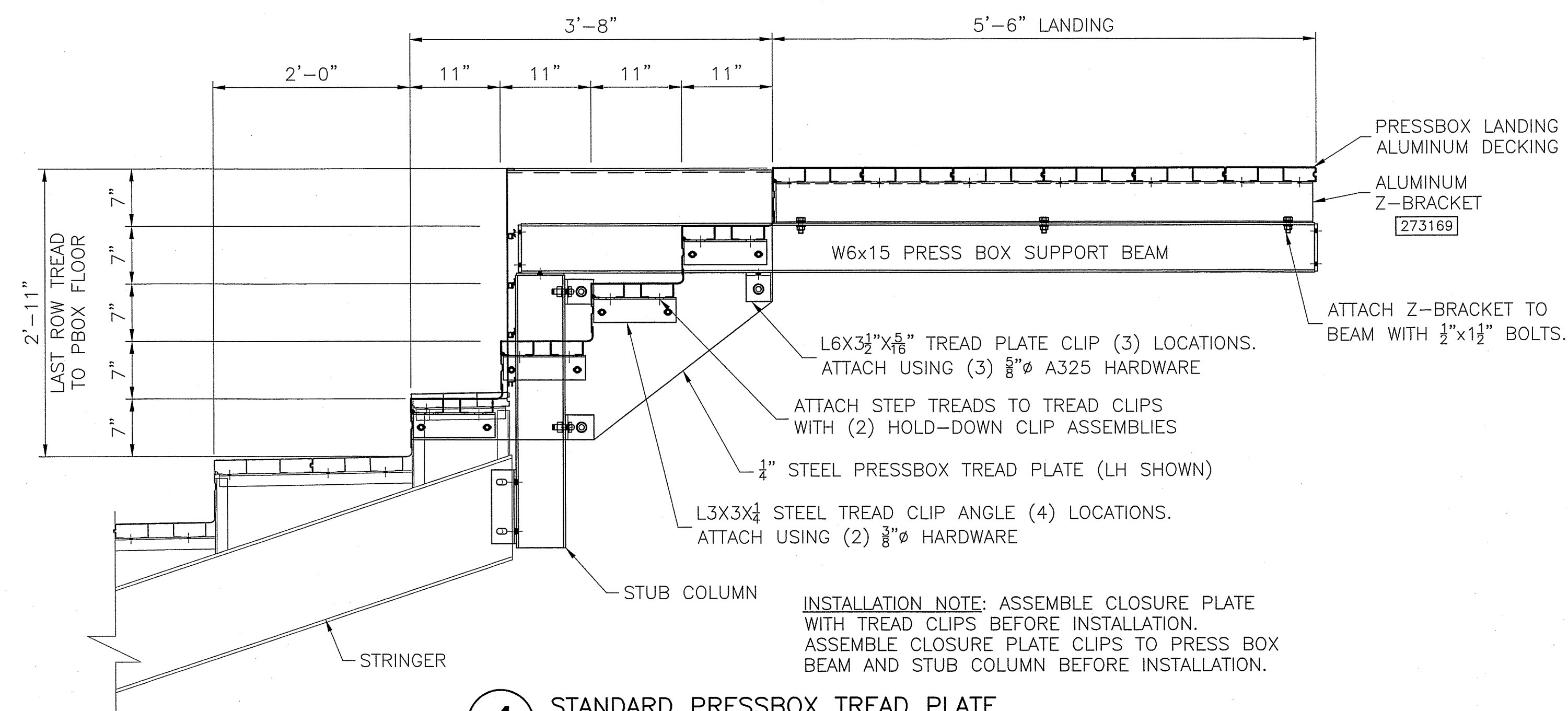
3 TYPICAL PRESS BOX CLOSURE PLATE INSTALLATION DETAIL - LH SHOWN



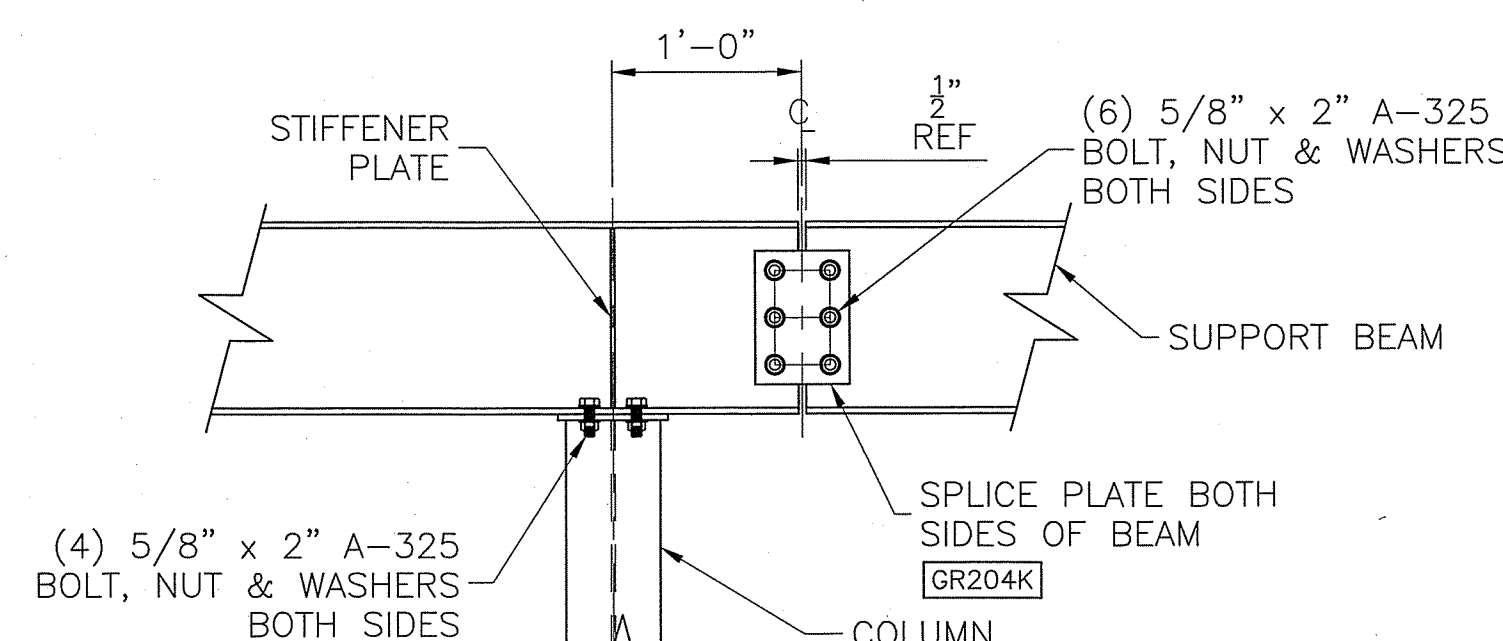
5 TYPICAL PRESS BOX CLOSURE PLATE INSTALLATION DETAIL - RH SHOWN



2 TYP PRESS BOX SUPPORT BEAM CONNECTION



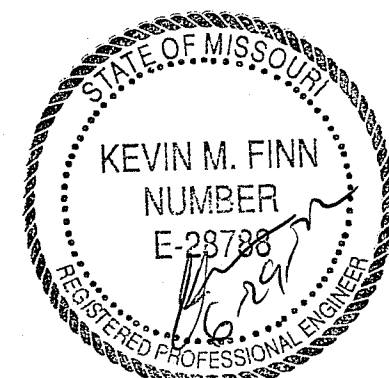
4 STANDARD PRESSBOX TREAD PLATE



6 TYP. SUPPORT BEAM TO COLUMN CONNECTION WITH SPLICE

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Bernheim Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

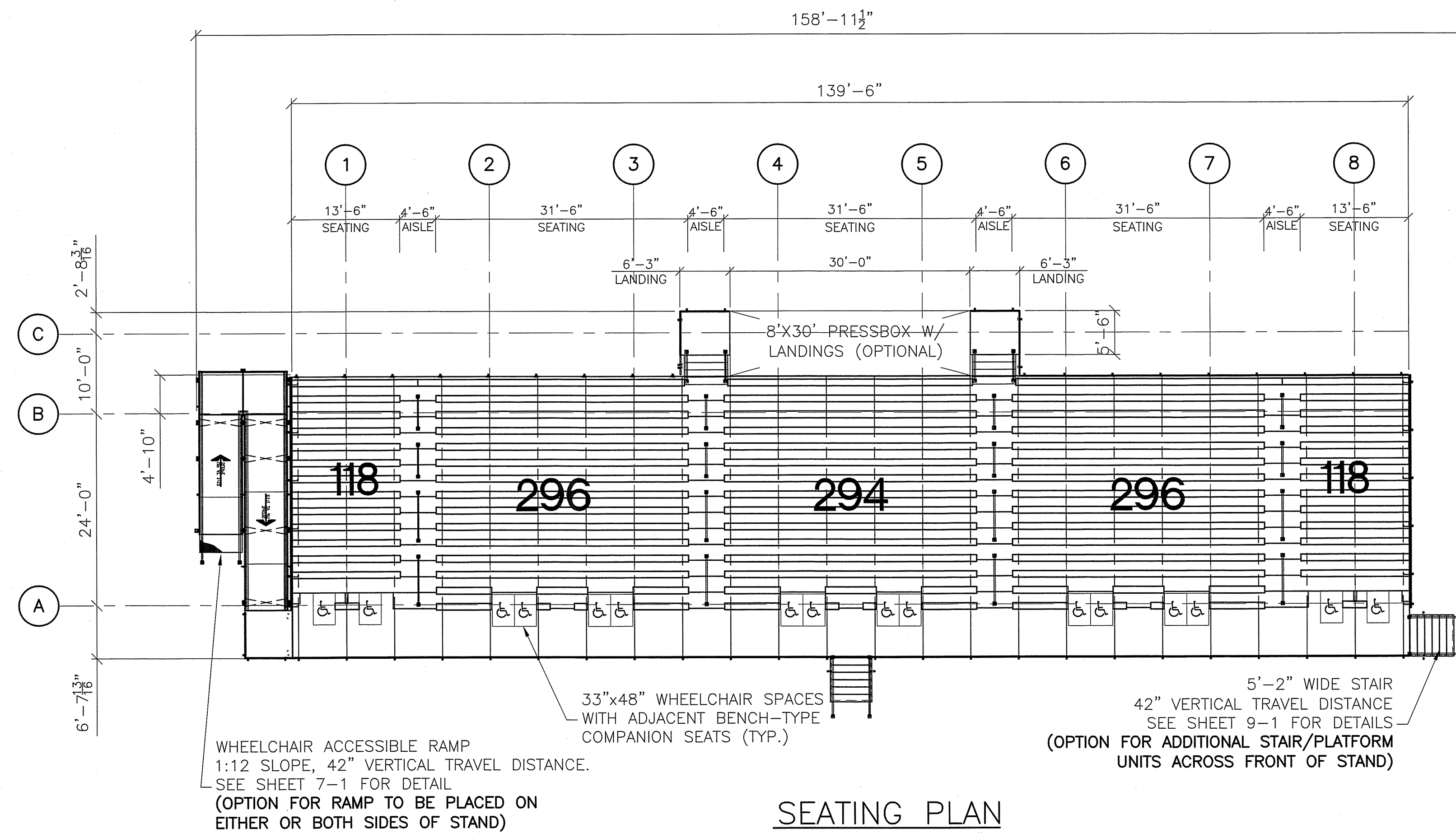
REV.	DATE	DESCRIPTION	INITIALS	ED. NUMBER
A				
B				
C				
D				
E				

REVISIONS	DATE	DESCRIPTION	INITIALS	ED. NUMBER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

3-1

PART NUMBER
0272837





SEATING PLAN
SCALE: 3/32" = 1'-0"

ROWS 15	ELEVATION 42"
RISE 8	RUN 24
DECK SYSTEM -	INTERLOCKING
DECK FINISH -	MILL
BENCH SEATING CAPACITY	1122
CHAIR SEATING CAPACITY	0
WHEELCHAIR SEATING CAPACITY	16
COMPANION SEATING CAPACITY	4
TOTAL SEATING CAPACITY	1142

(+8) W/O PBOX OPTION

PROJECT NAME:

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



DANT CLAYTON
CORPORATION
1500 Bernheim Lane
Louisville, KY 40216
Telephone (502) 684-1826
WWW.DANTCLAYTON.COM

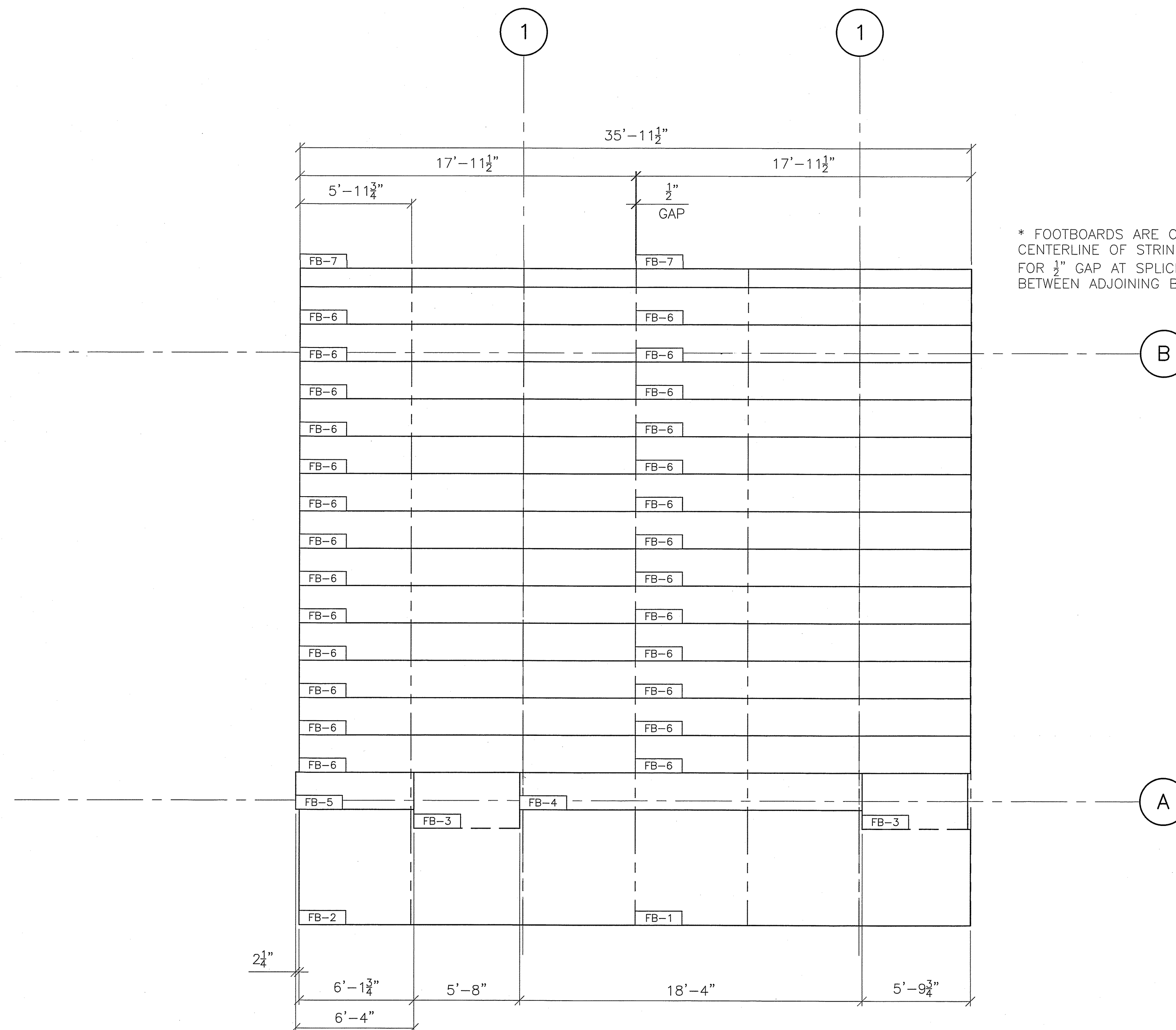
REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

REVISIONS	DATE	DESCRIPTION	INITIALS	ECO NUMBER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

4-0

PART NUMBER
0279626

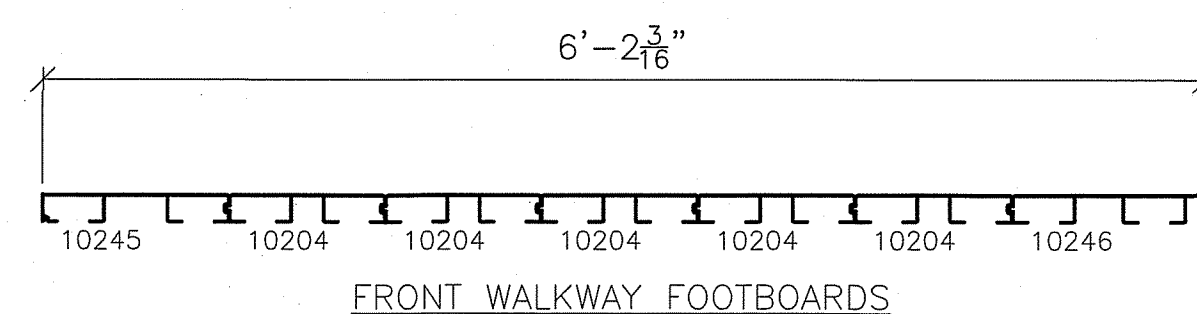




* FOOTBOARDS ARE OFFSET 1/4" FROM CENTERLINE OF STRINGER TO ALLOW FOR 1/2" GAP AT SPLICE LOCATION BETWEEN ADJOINING BLEACHER SECTION.

FOOTBOARD LAYOUT

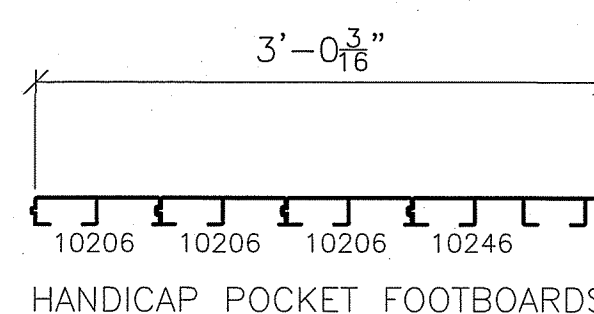
SCALE: 1/4" = 1'-0"



FRONT WALKWAY FOOTBOARDS

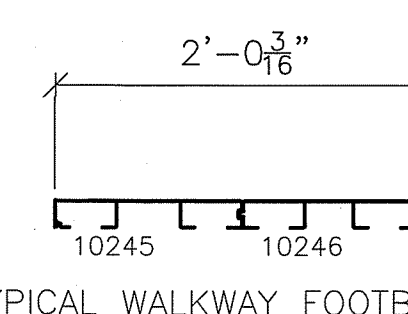
- (1) FB-1 (1) 10245 - 17'-11 1/2"
- (5) 10204 - 17'-11 1/2"
- (1) 10246 - 12'-1 3/4"

- (1) FB-2 (1) 10245 - 17'-11 1/2"
- (5) 10204 - 17'-11 1/2"
- (1) 10246 - 6'-1 3/4"
- (1) 10246 - 6'-4"



HANDICAP POCKET FOOTBOARDS

- (2) FB-3 (3) 10206 - 5'-8"
- (1) 10246 - 5'-8"

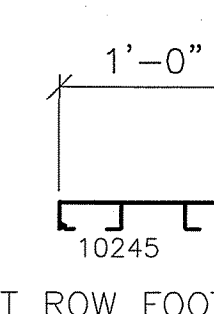


TYPICAL WALKWAY FOOTBOARDS

- (1) FB-4 (1) 10245 - 18'-4"
- (1) 10246 - 18'-4"

- (1) FB-5 (1) 10245 - 6'-4"
- (1) 10246 - 6'-4"

- (26) FB-6 (1) 10245 - 17'-11 1/2"
- (1) 10246 - 17'-11 1/2"

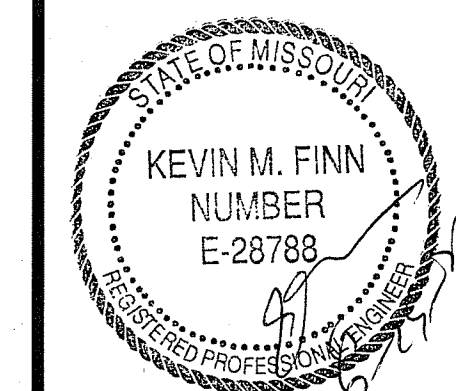


LAST ROW FOOTBOARDS

- (2) FB-7 (1) 10245 - 17'-11 1/2"

PROJECT NAME:

CRG

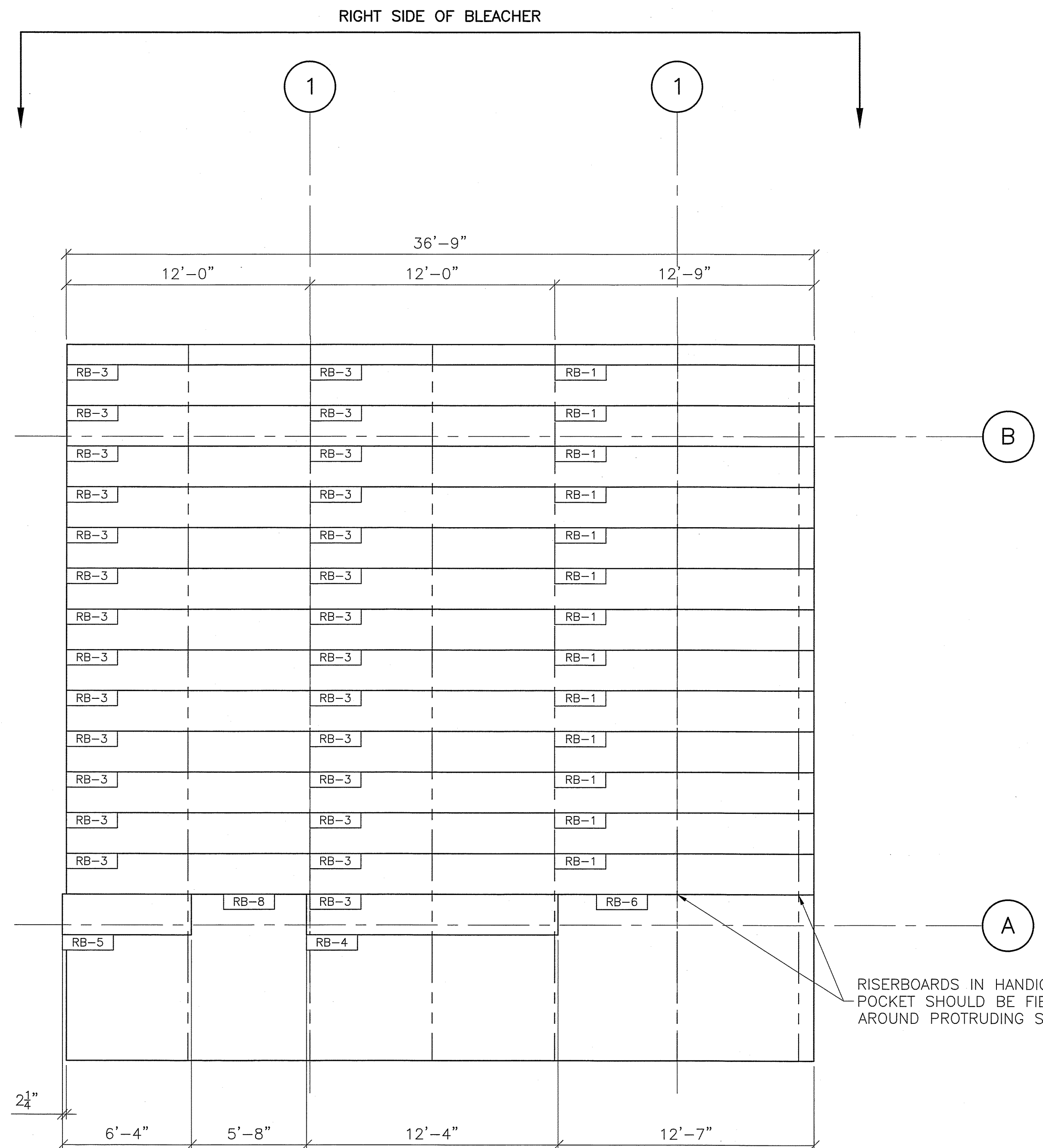
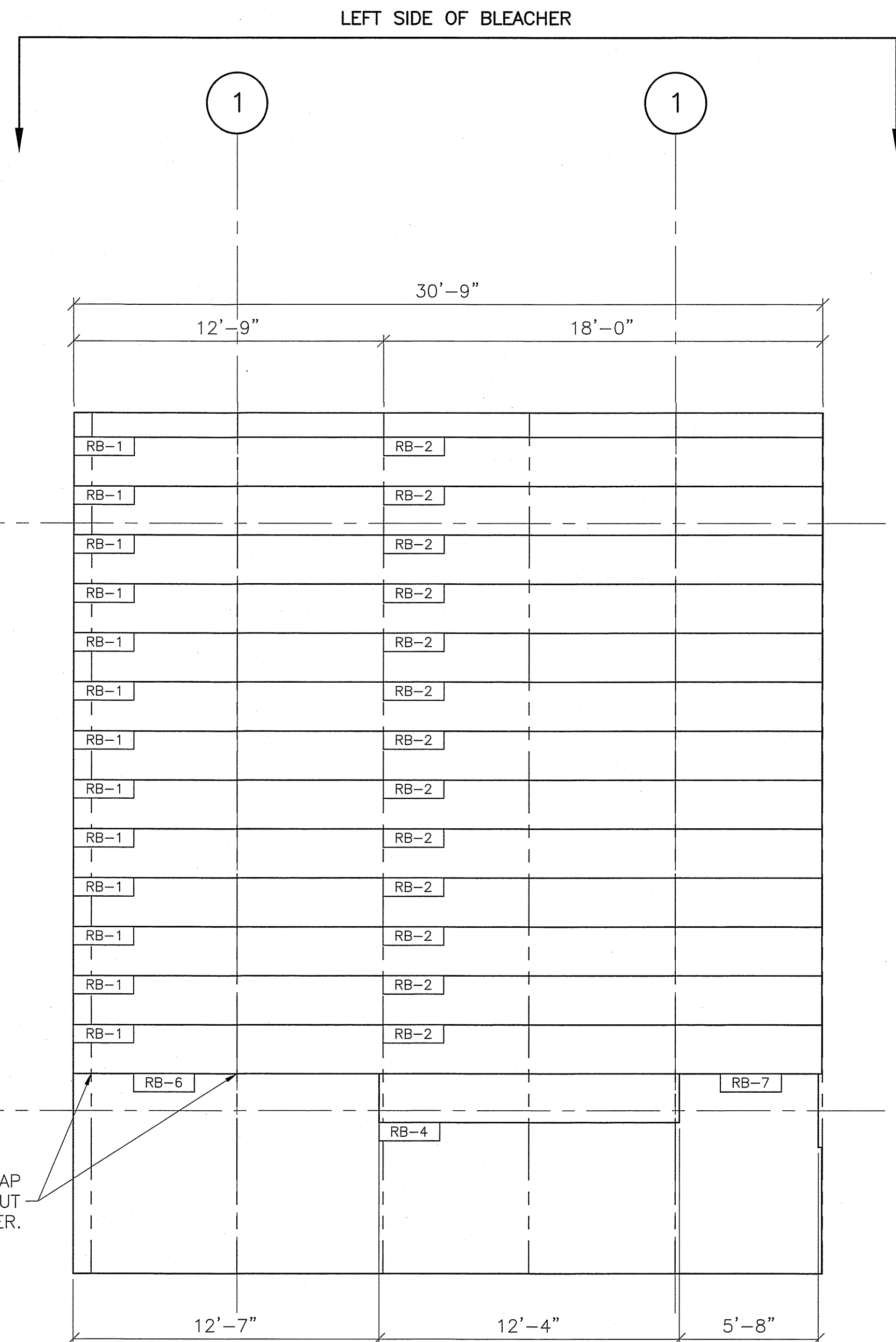


DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

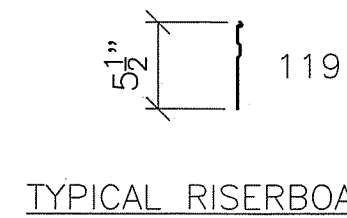
REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

SHEET NUMBER	4-1.M
PART NUMBER	0273085
AS NOTED	

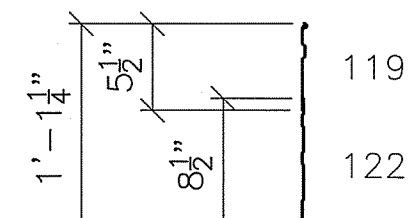




RISERBOARD LAYOUT
SCALE: 1/4" = 1'-0"



- TYPICAL RISERBOARDS**
- (26) RB-1 (1) 119 - 12'-9"
 - (13) RB-2 (1) 119 - 18'-0"
 - (27) RB-3 (1) 119 - 12'-0"
 - (2) RB-4 (1) 119 - 12'-4"
 - (1) RB-5 (1) 119 - 6'-4"



- HANDICAP POCKET RISERBOARDS**
- (2) RB-6 (1) 119 - 12'-9"
 - (1) 122 - 12'-7"
 - (1) RB-7 (1) 119 - 18'-0"
 - (1) 122 - 5'-8"
 - (1) RB-8 (1) 119 - 12'-0"
 - (1) 122 - 5'-8"

PROJECT NAME:

CRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

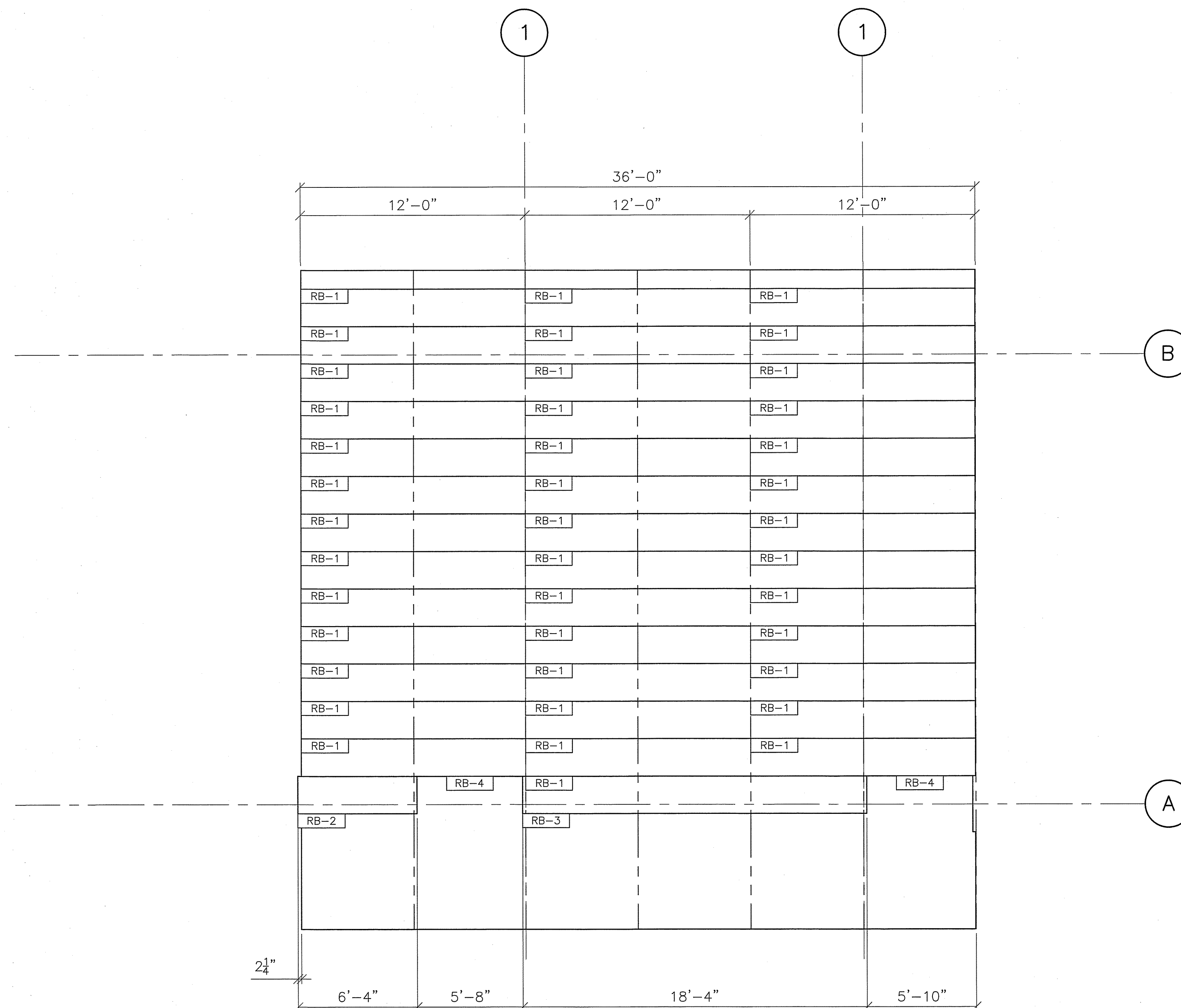
REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

REVISIONS	DATE	DESCRIPTION	INITIALS	ECO NUMBER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

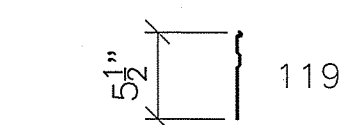
4-2.E

PART NUMBER
0273037



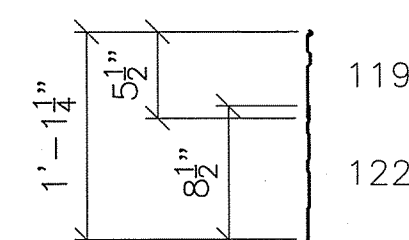


RISERBOARD LAYOUT
SCALE: 1/4" = 1'-0"



TYPICAL RISERBOARDS

- (40) **RB-1** (1) 119 - 12'-0"
(1) **RB-2** (1) 119 - 6'-4"
(1) **RB-3** (1) 119 - 18'-4"



HANDICAP POCKET
RISERBOARDS

- (2) **RB-4** (1) 119 - 12'-0"
(1) 122 - 5'-8"

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV. NO.	DATE	DESCRIPTION	INITIALS	ECD NUMBER
A				
B				
C				
D				
E				

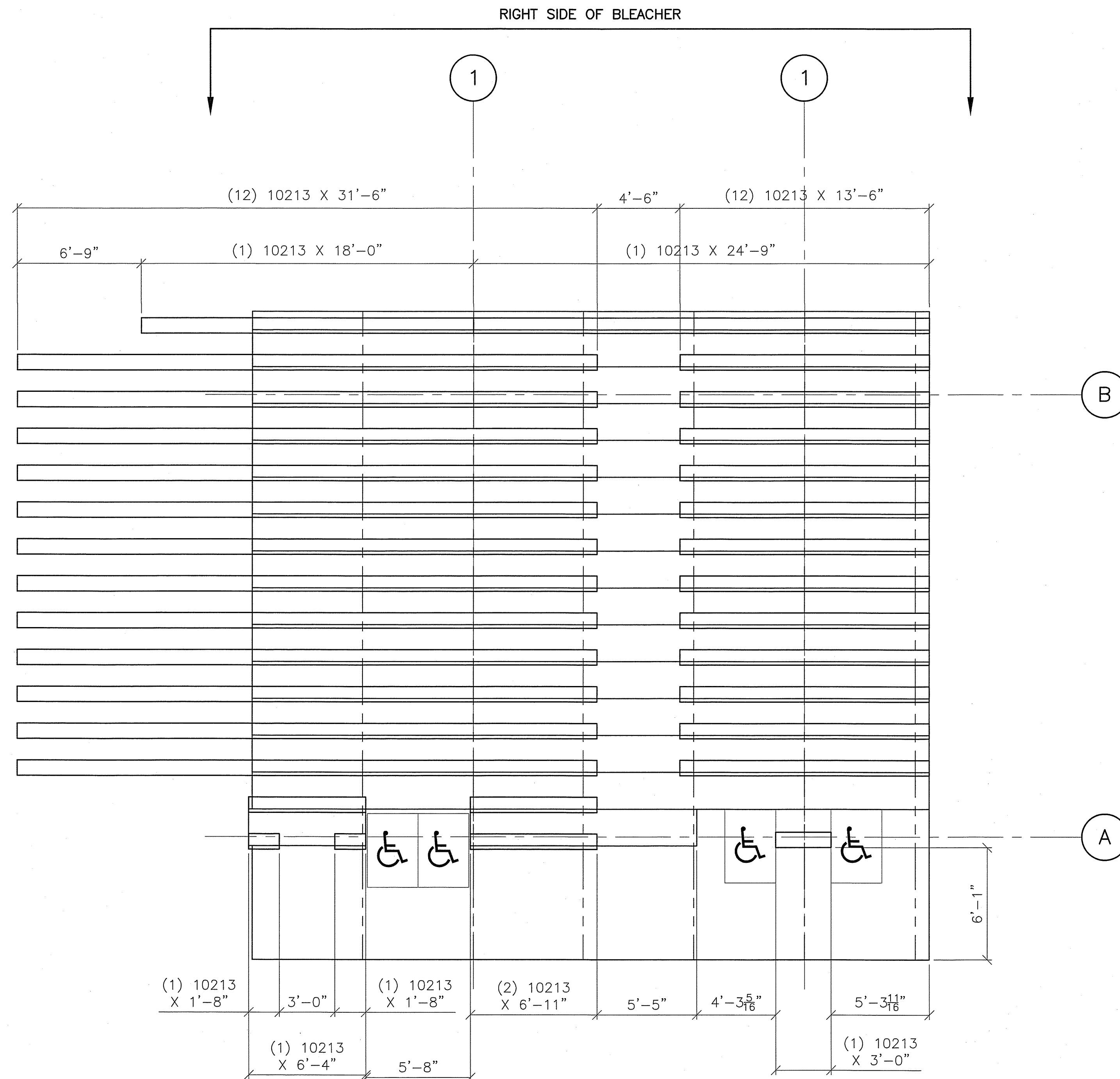
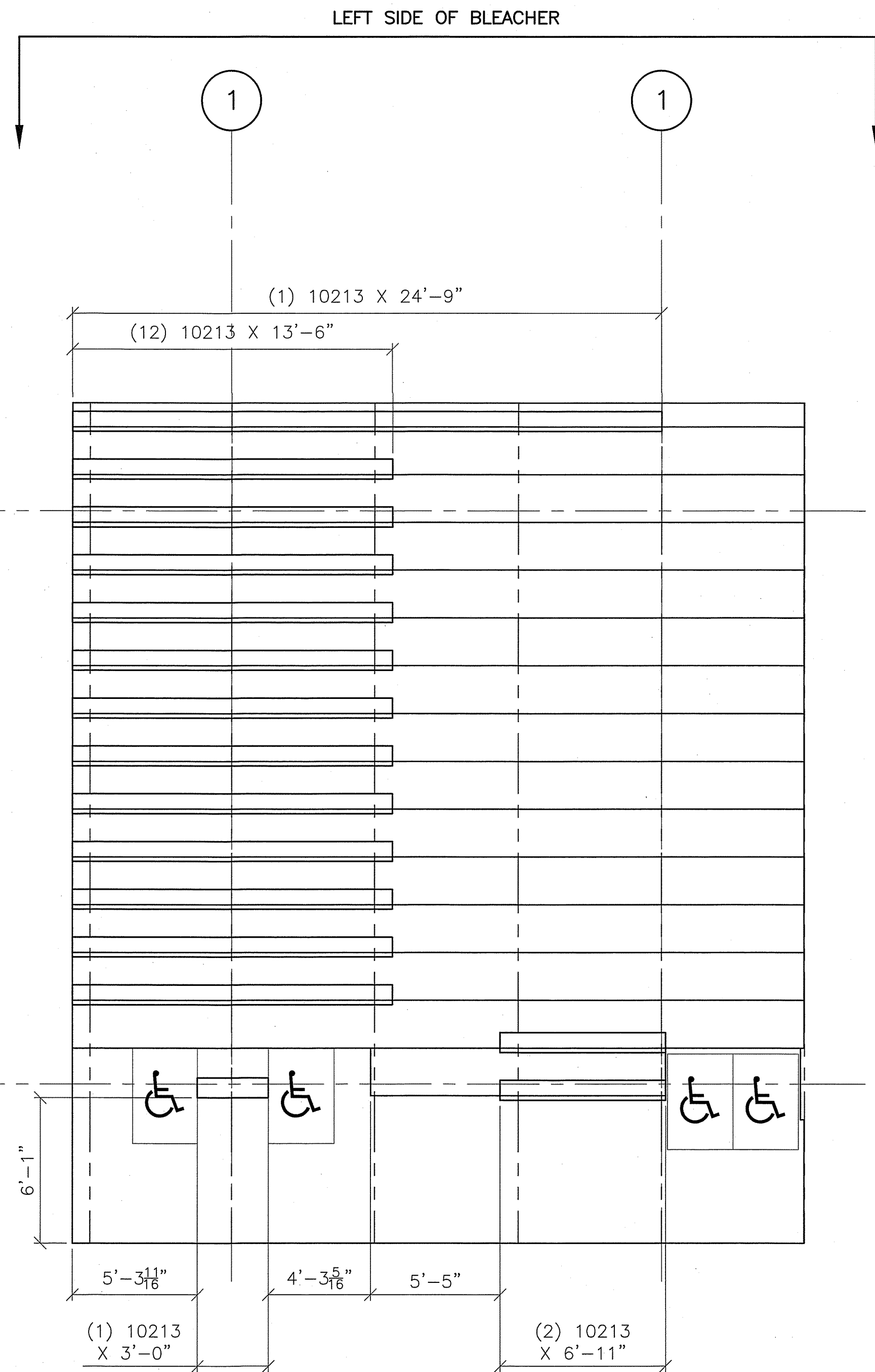
SHEET NUMBER

4-2.M

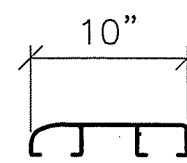
PART NUMBER

0273085





SEATBOARD LAYOUT
SCALE: 1/4" = 1'-0"

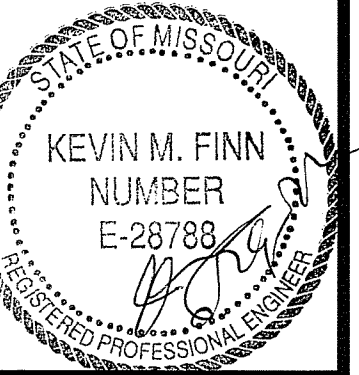


"10213" SEATBOARD

- (12) 31'-6"
- (2) 24'-9"
- (1) 18'-0"
- (24) 13'-6"
- (4) 6'-11"
- (1) 6'-4"
- (2) 3'-0"
- (2) 1'-8"

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40218
Tel: (502) 634-1362
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

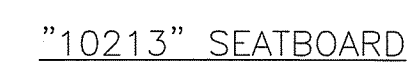
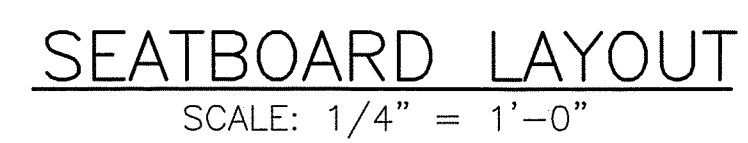
SHEET NUMBER

4-3.E

PART NUMBER

0273037





- (12) 31'-6"
(2) 18'-0"
(4) 6'-11"
(1) 6'-4"
(2) 1'-8"

PROJECT NAME:

GRG



**DANT CLAYTON
CORPORATION**
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REVISIONS				
REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A.				
B				
C				
D				
E				

NAME		PROJECT		FOR	
ALEWIS	1-Beam	Sheld	PLAN	PLAN	A
RELAYING DATE	SHEET 7	15	42	36-0-0	INT
				AS NOTED	

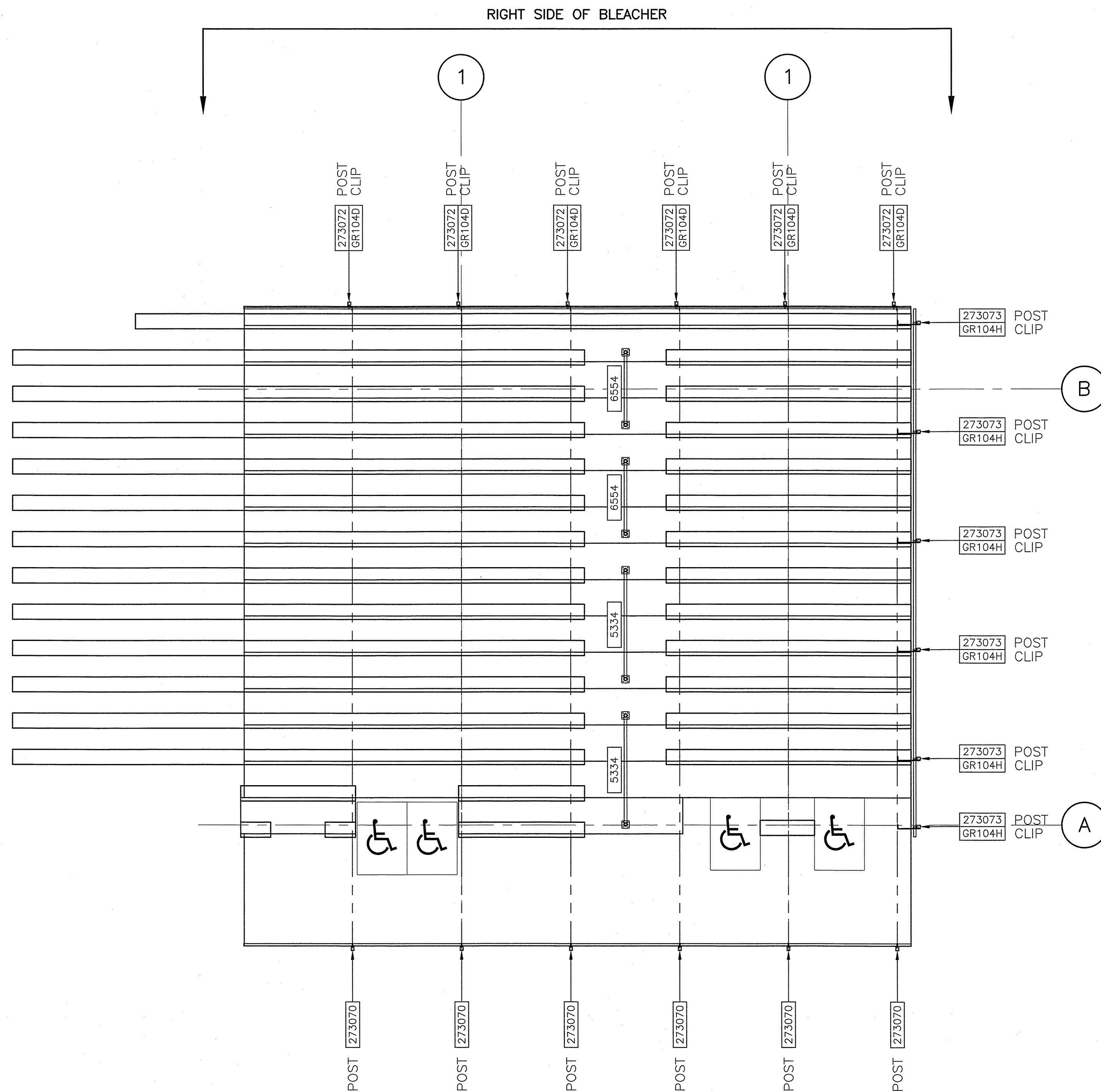
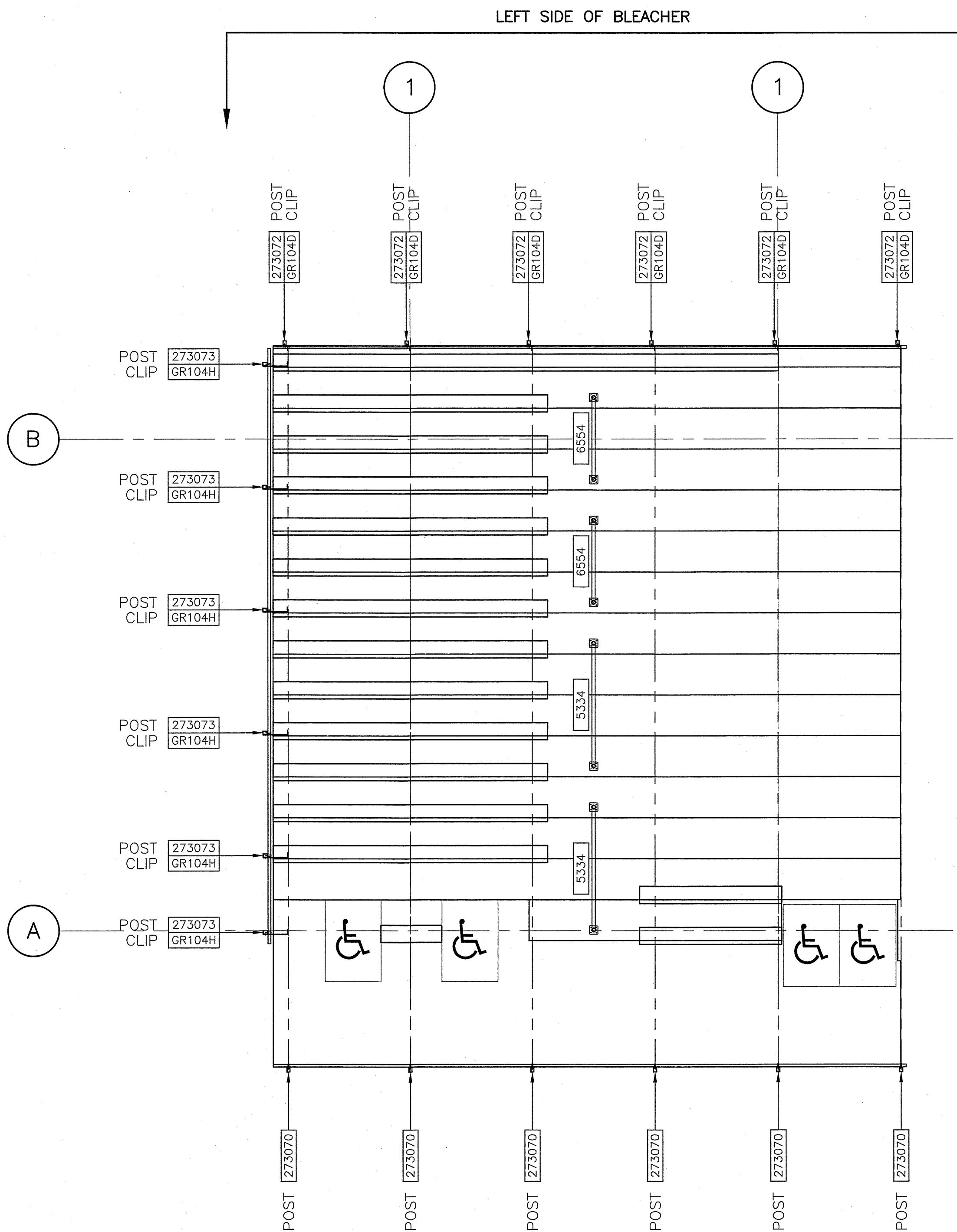
SHEET NUMBER

4-3.M

PART NUMBER

0273085





RAILING LAYOUT
SCALE: 1/4" = 1'-0"

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40219
Telephone (502) 634-1926
WWW.DANTCLAYTON.COM

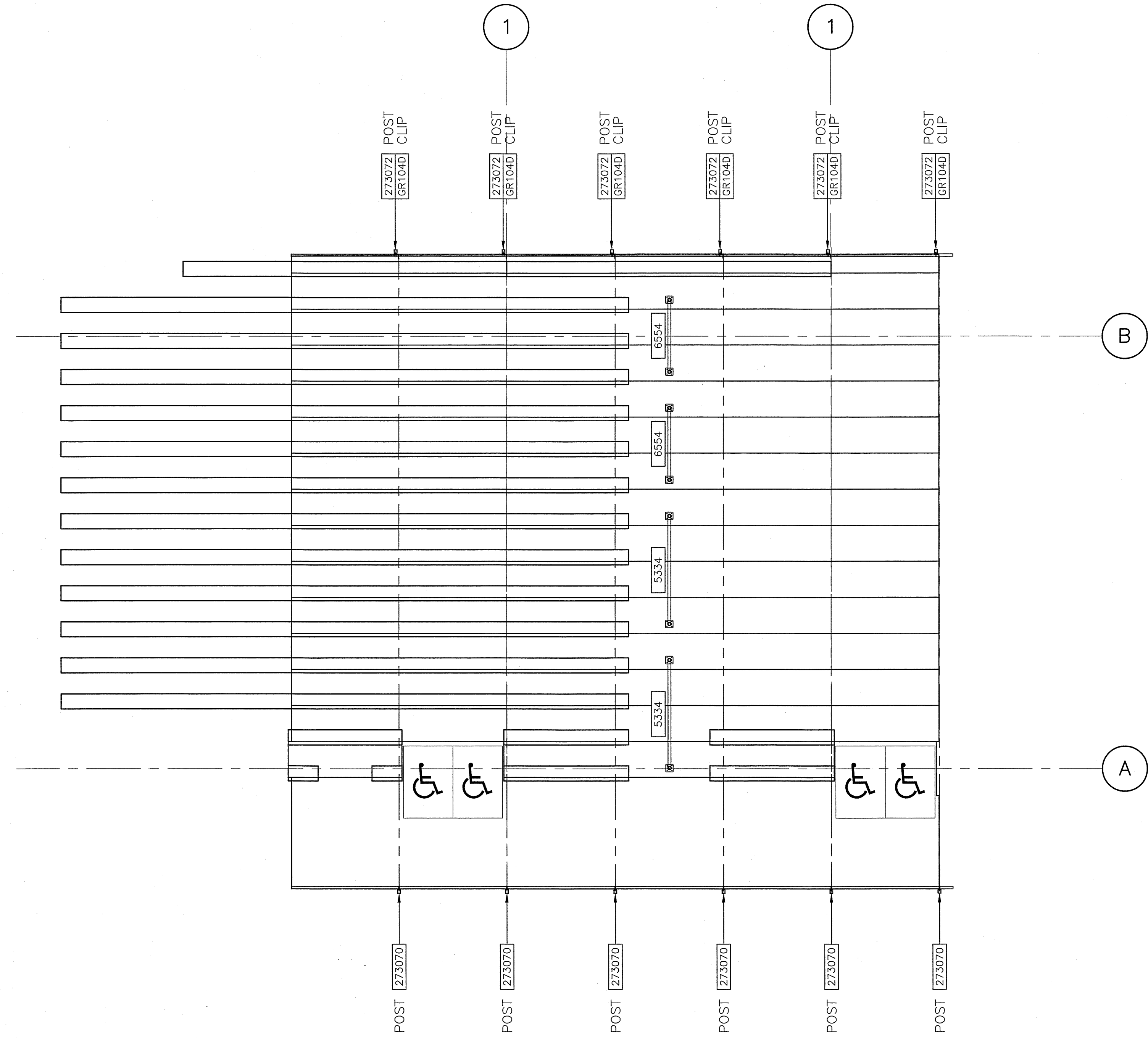
REVISIONS		INITIALS		ECO NUMBER	
REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER	
A					
B					
C					
D					
E					

NAME	ALWAYS	SCALE	AS NOTED	SHEET #	16	REVISION	30-9-0	INTERLOCK	ALUMINUM	DATE	24/0000
PROJECT	Stand	TYPE	PLAN	DATE	16	REVISION	30-9-0	INTERLOCK	ALUMINUM	DATE	24/0000
PROJECT	Stand	TYPE	PLAN	DATE	16	REVISION	30-9-0	INTERLOCK	ALUMINUM	DATE	24/0000

4-4.E

PART NUMBER
0273037

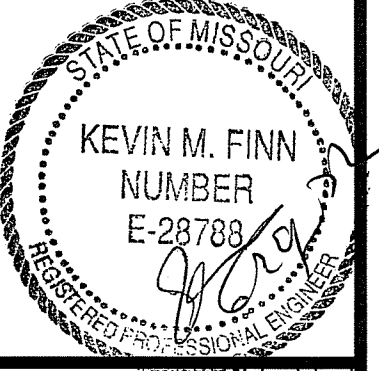




RAILING LAYOUT
SCALE: 1/4" = 1'-0"

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-13626
WWW.DANTCLAYTON.COM

REVISIONS		INITIALS		ECO NUMBER	
REV. NO.	DATE	DESCRIPTION			
A					
B					
C					
D					
E					

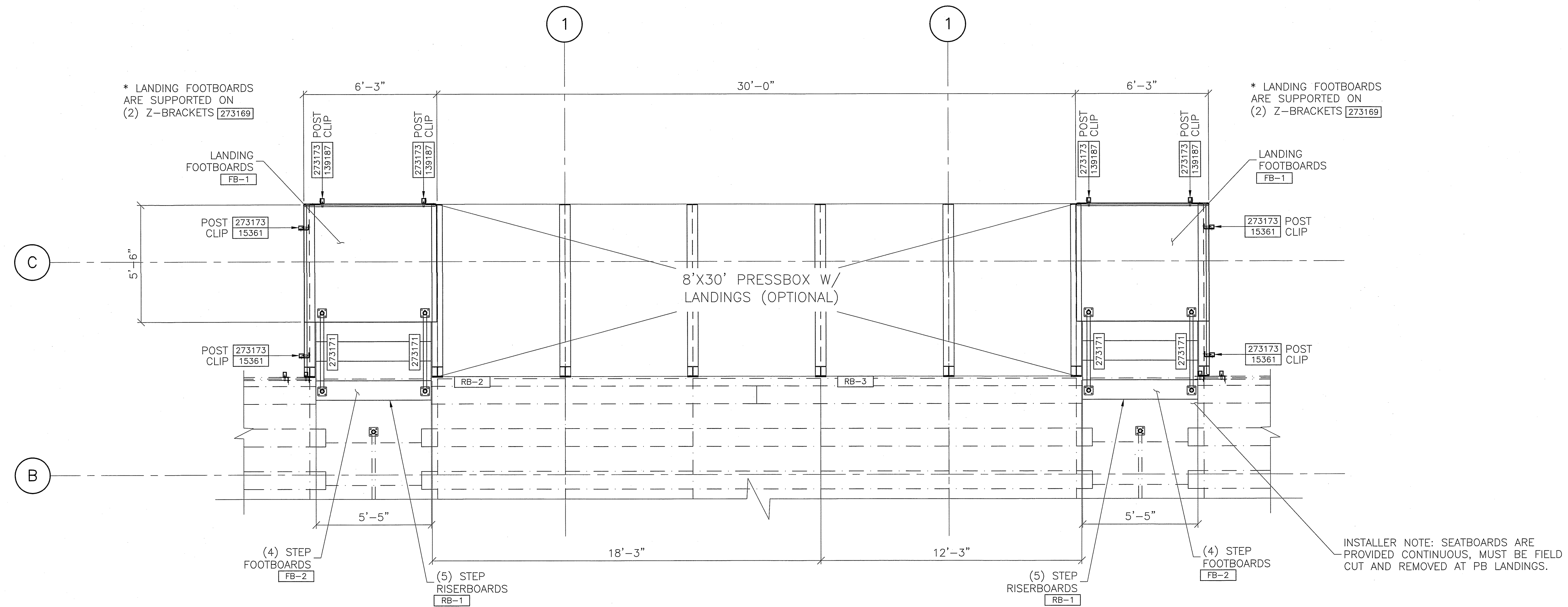
SHEET NUMBER

4-4.M

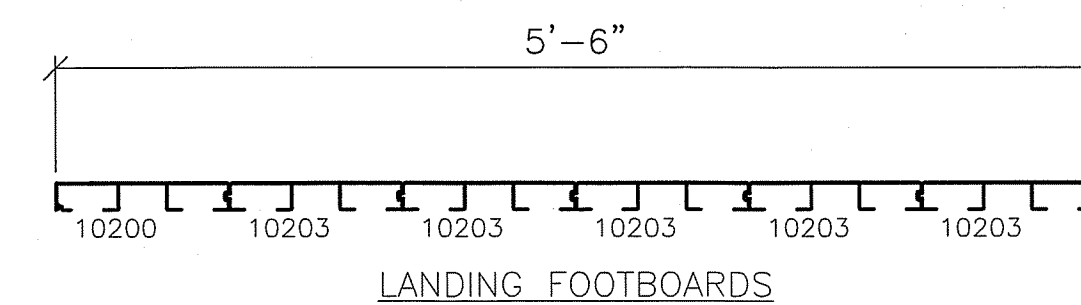
PART NUMBER

0273085

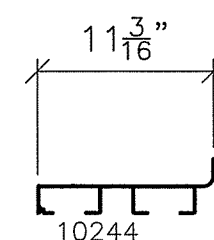




PRESSBOX LANDING ALUMINUM LAYOUT
SCALE: 3/8" = 1'-0"

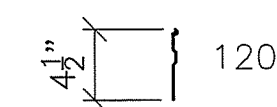


- (2) **FB-1** (1) 10200 - 6'-3"
(5) 10203 - 6'-3"



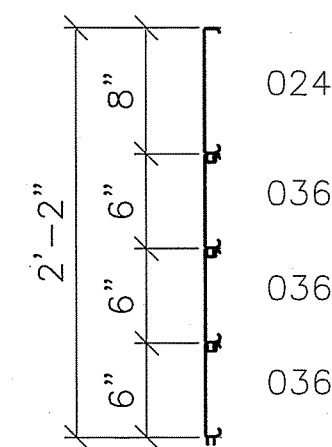
STEP FOOTBOARDS

- (8) **FB-2** (1) 10244 - 5'-5 1/2"



STEP RISERBOARDS

- (10) **RB-1** (1) 120 - 5'-5 1/2"



PRESSBOX RISERBOARDS

- (1) **RB-2** (1) 024 - 18'-3"
(3) 036 - 18'-3"
(1) **RB-3** (1) 024 - 12'-3"
(3) 036 - 12'-3"

PROJECT NAME

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40210
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

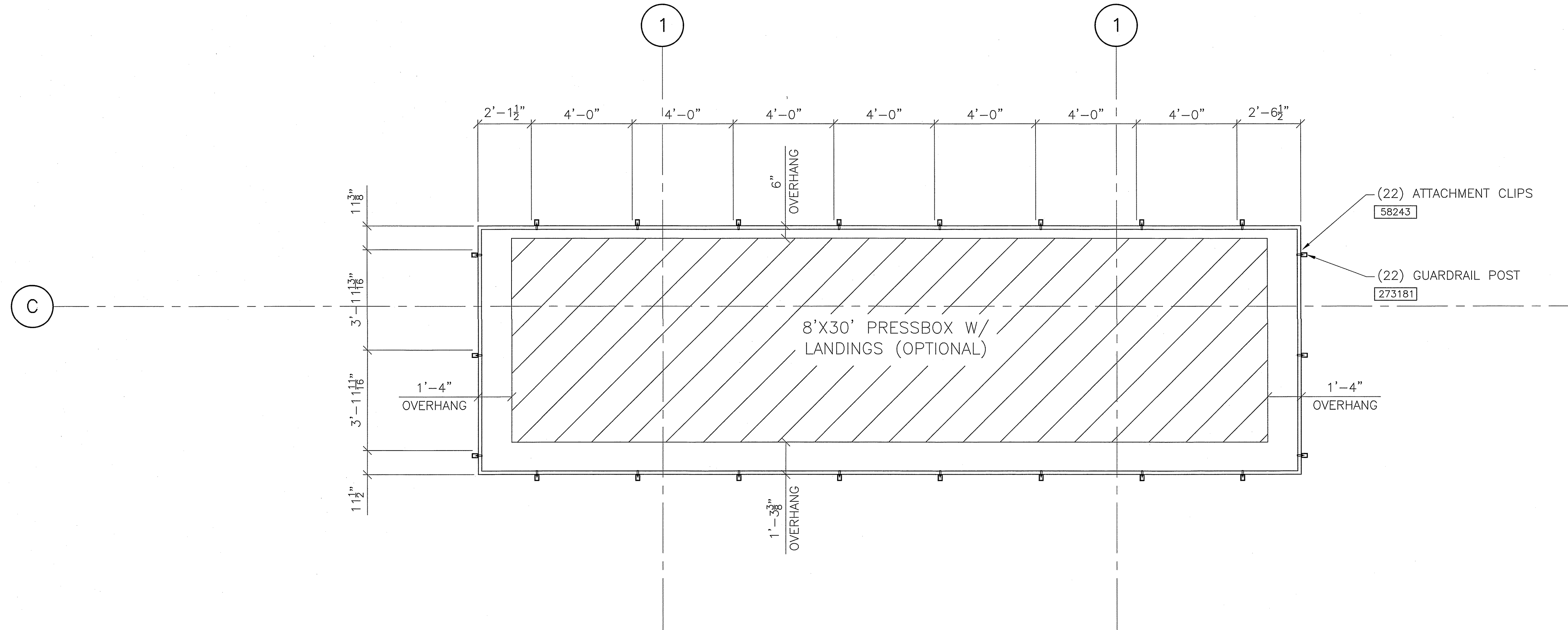
REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

SHEET NUMBER

4-9.P

PART NUMBER
0273165





FILMING PLATFORM RAILING LAYOUT
SCALE: 3/8" = 1'-0"

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40240
Tel: (502) 634-1362
WWW.DANTCLAYTON.COM

REVISIONS		INITIALS		ECO NUMBER	
REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER	
A					
B					
C					
D					
E					

NAME	ALWEIS	PRODUCT	I-Beam	TYPE	PLAN
RELEASE DATE		SCALE	AS NOTED	ROWS	42
SIGNATURE	Stand	CLASS	ALUMINUM	FEATURE 1	FEATURE 2
			INTERLOCK	FEATURE 3	FEATURE 4

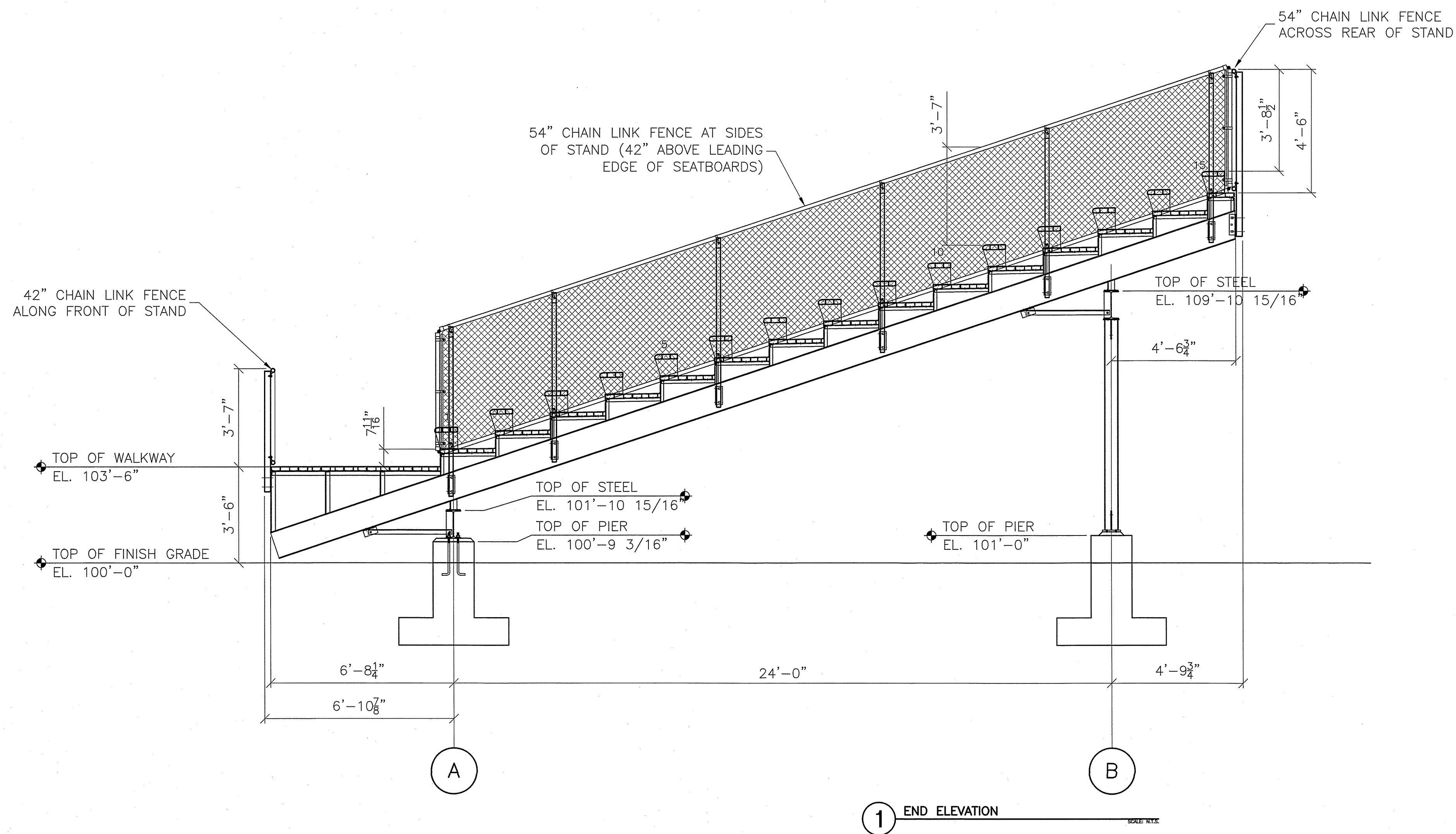
SHEET NUMBER

4-9.FP

PART NUMBER

0273177





1 END ELEVATION

SCALE: N.T.S.

PROJECT NAME:

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40219
Telephone: (502) 694-1962
WWW.DANTCLAYTON.COM

REVISIONS

REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

REVISION	DATE	DESCRIPTION	INITIALS	ECO NUMBER
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

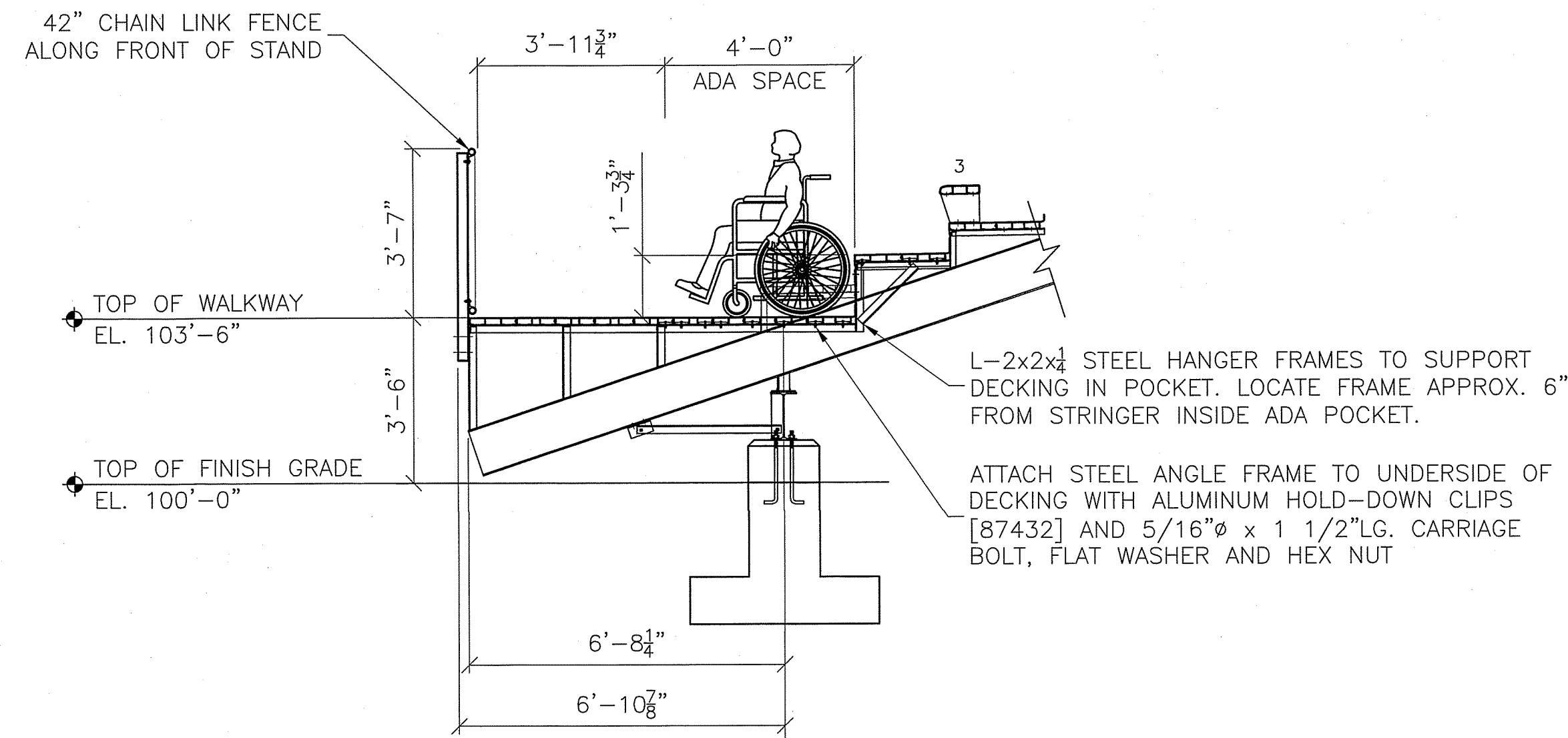
SHEET NUMBER

5-0

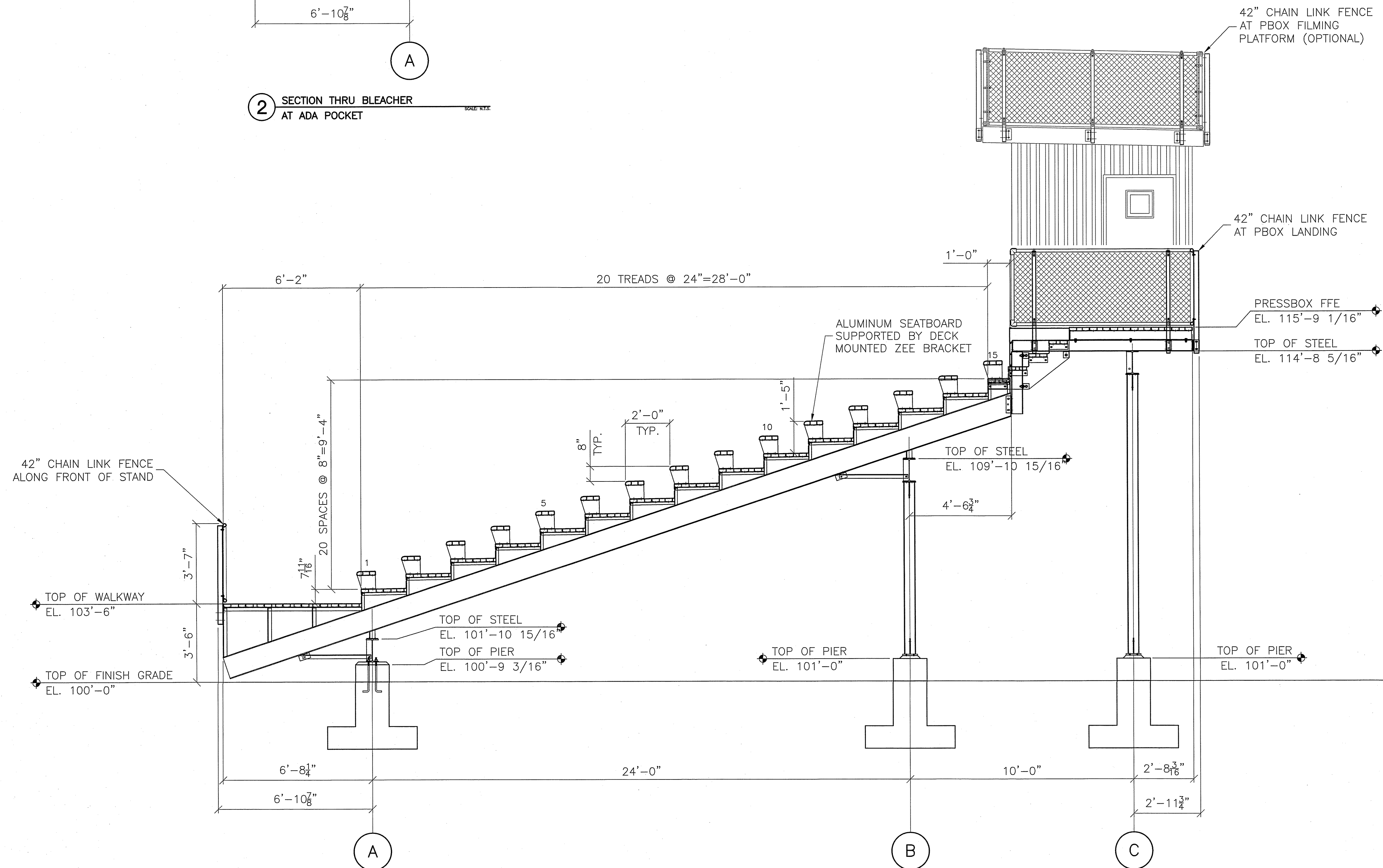
PART NUMBER

0279627





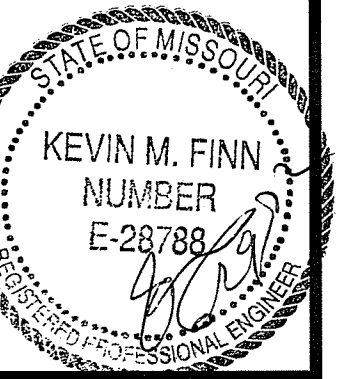
2 SECTION THRU BLEACHER
AT ADA POCKET



1 SECTION THRU BLEACHER
AT SEATING

PROJECT NAME:

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A

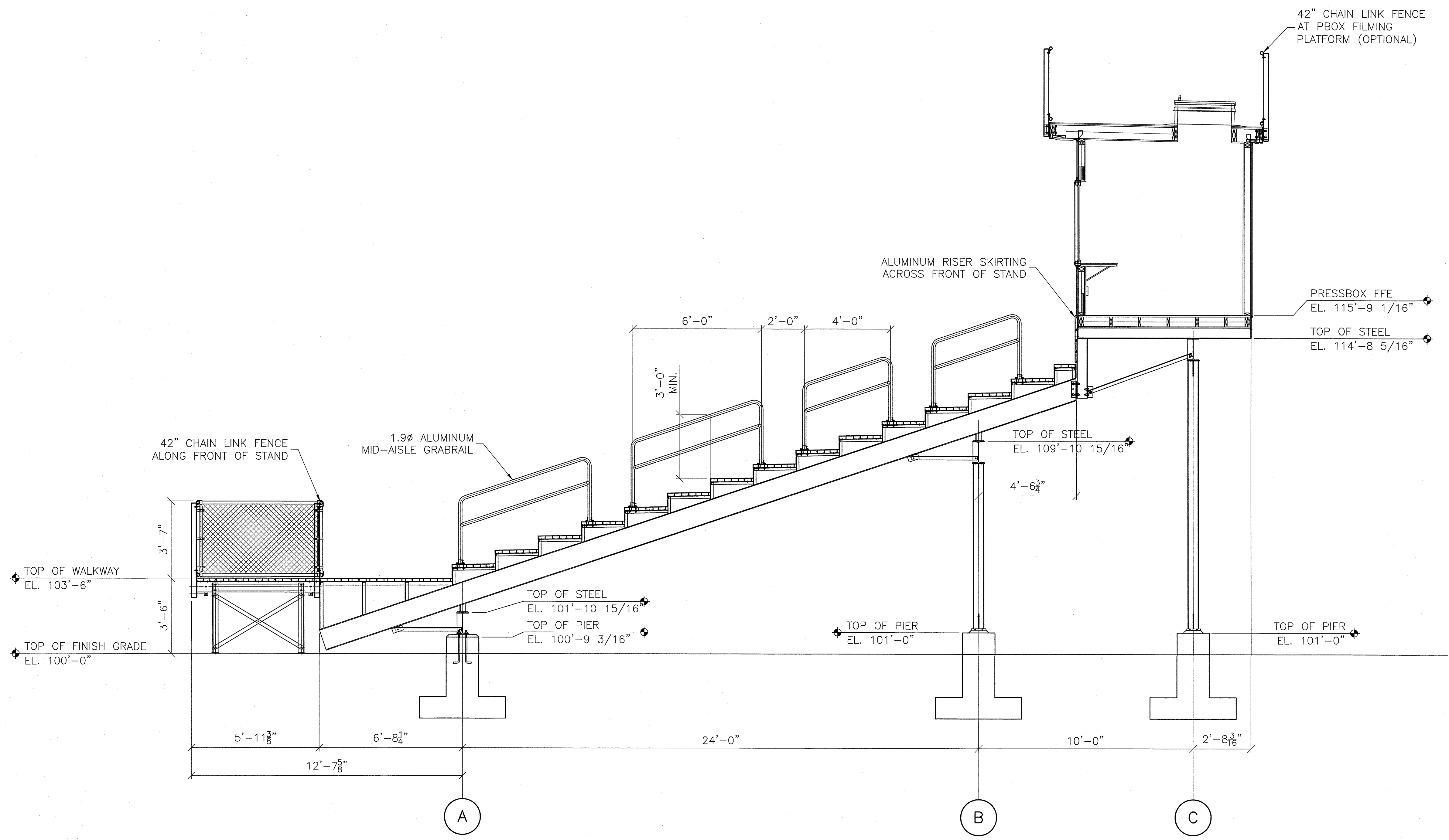


DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40219-6226
Telephone (502) 638-1926
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

SHEET NUMBER
5-1

PART NUMBER
0279627



PROJECT NAME:

LEE'S SUMMIT
KANSAS CITY, MO
48523.1A



DANT CLAYTON CORPORATION
1500 Bernheim Lane
Louisville, KY 40222
Telephone: (502) 694-1962
WWW.DANTCLAYTON.COM

NO.	DESCRIPTION	DATE	BY	CHKD BY
1	24'00"	8.0000	24.0000	
2	8.0000	8.0000	24.0000	
3	24.0000	8.0000	24.0000	
4	24.0000	8.0000	24.0000	

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

NO.	DESCRIPTION	DATE	BY	CHKD BY
1	24'00"	8.0000	24.0000	
2	8.0000	8.0000	24.0000	
3	24.0000	8.0000	24.0000	
4	24.0000	8.0000	24.0000	

SHEET NUMBER

5-2

PART NUMBER

0279627

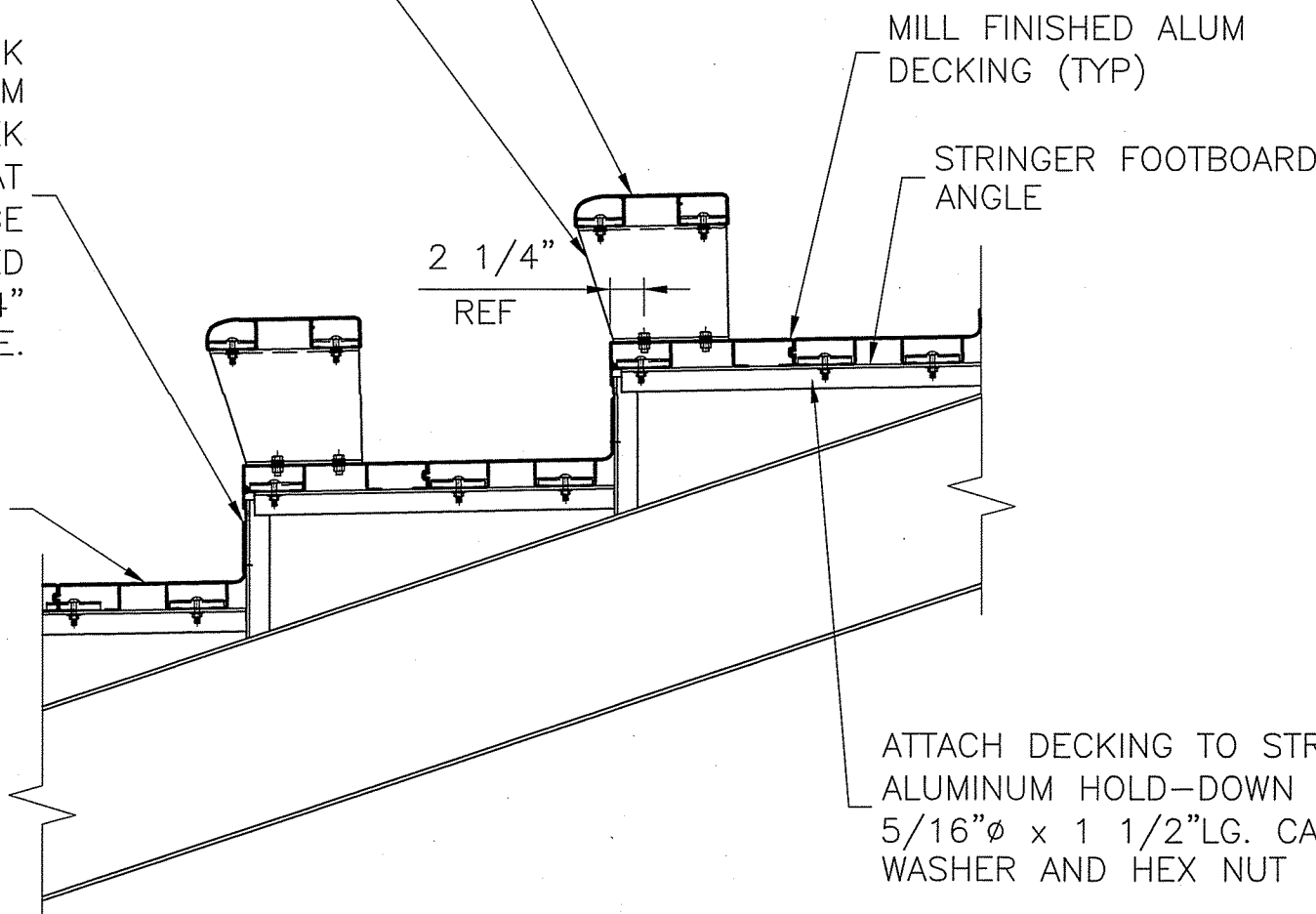


2"x10" ALUM. BULLNOSE SEATBOARD [DIE# 10213A] - ATTACH TO Z-BRACKET WITH (2) 3 15/16" HOLD-DOWN CLIPS [87432], 5/16"Ø x 1 1/2" CARRIAGE BOLTS, HEX NUTS & FLAT WASHERS

7 1/2" MILL FIN. ALUM. "Z" BRACKET [37070]RH [37071]LH - ATTACH TO DECKING WITH (2) 3/8"Ø x 1" GALVANIZED HEX BOLTS, & HEX NUTS W/ WASHERS AT TOP & BOTTOM

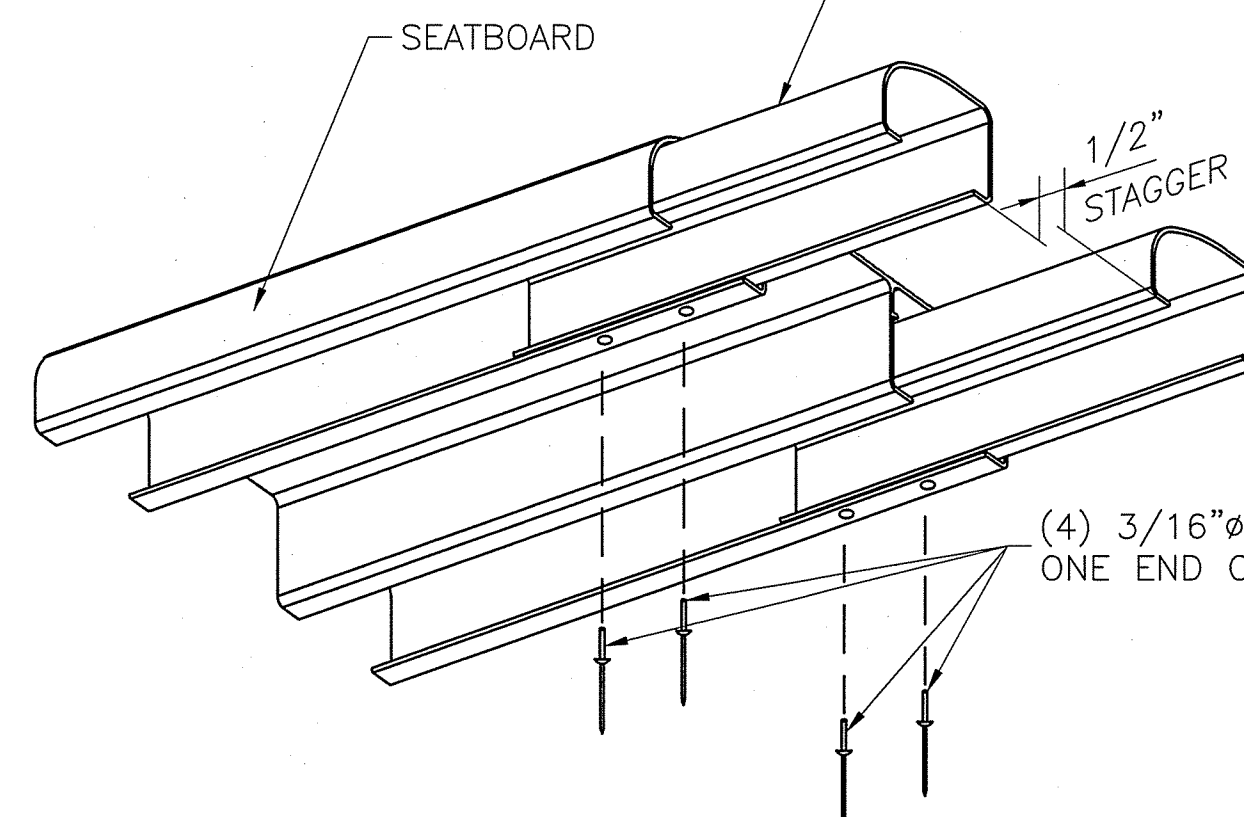
5 1/4" INTERLOCKING ALUMINUM RISER [DIE# 119A] - INTERLOCK TOP OF RISER INTO GROOVE IN FRONT FOOTBOARD & ATTACH BOTTOM OF RISER TO VERTICAL OF HEELBOARD WITH #12-24 x 1 1/4" TEK SCREWS STARTING AT 3" FROM LEFT END OF RISER & CONTINUING AT 24" ON CENTER TO OTHER END OF RISER. LAST TEK SCREW MUST BE 3" FROM END. LAST SPACE WILL VARY IN SPACING NOT TO EXCEED 24". TEK SCREWS FOR RISERS AT ENDS OF STAND MUST START 4" FROM END OF RISER TO CLEAR STRINGER ANGLE.

(3) 1 3/4" DEEP ALUMINUM FOOTBOARDS - ATTACH EACH FOOTBOARD TO HORIZONTAL ANGLE OF STRINGER WITH (1) 3 15/16" HOLD-DOWN CLIP [DIE# 041AM], 5/16"Ø x 1 1/2" CARRIAGE BOLT, HEX NUT & FLAT WASHER

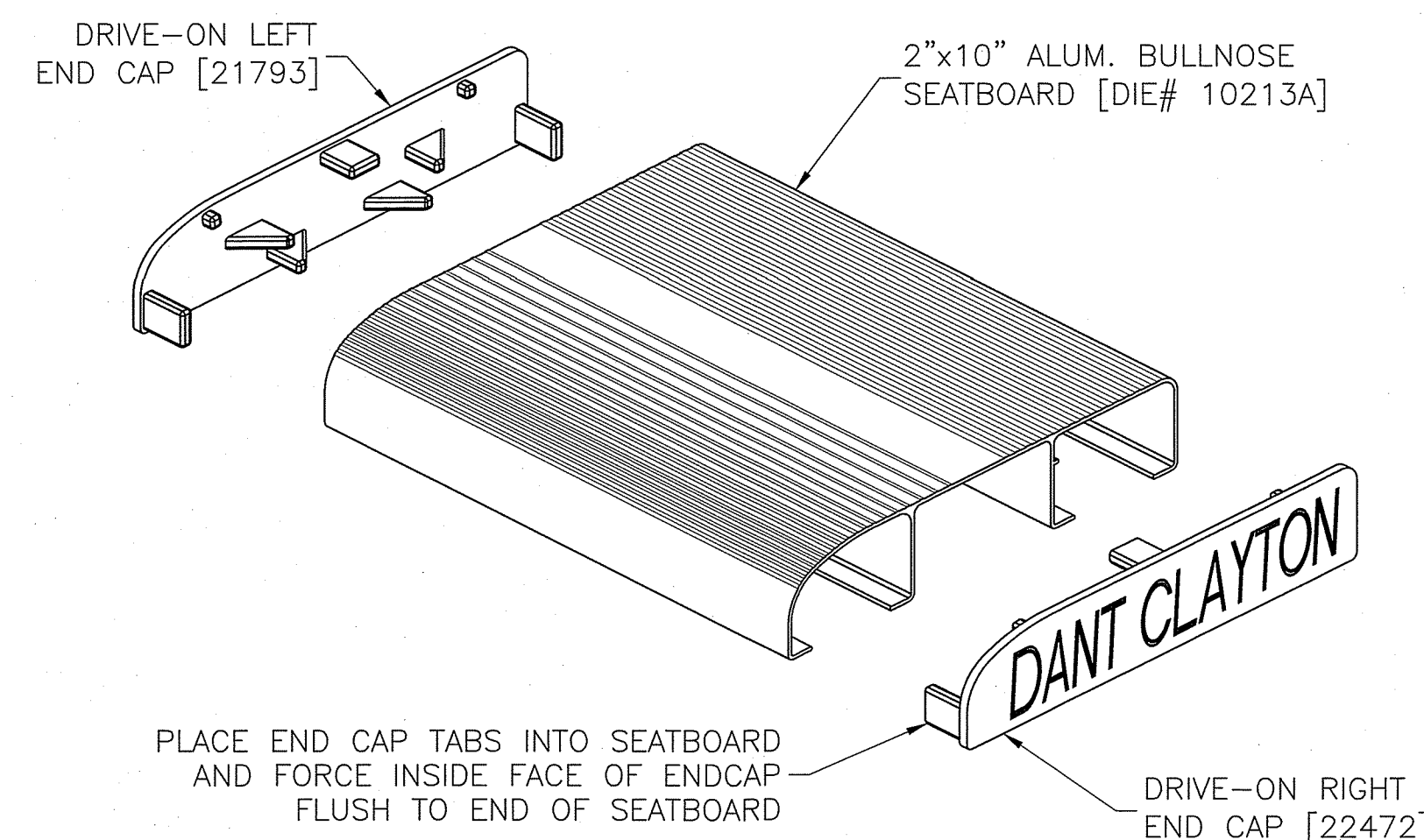


1 TYPICAL CONNECTIONS FOR WELDED OR INTERLOCKING DECK

INSERT SPLICE SLEEVES [21984] APPROXIMATELY HALFWAY INTO PLANK WITH A 1/2" STAGGER BETWEEN ENDS OF SLEEVES



3 SPLICING OF SEATBOARD - 10213A BOTTOM VIEW

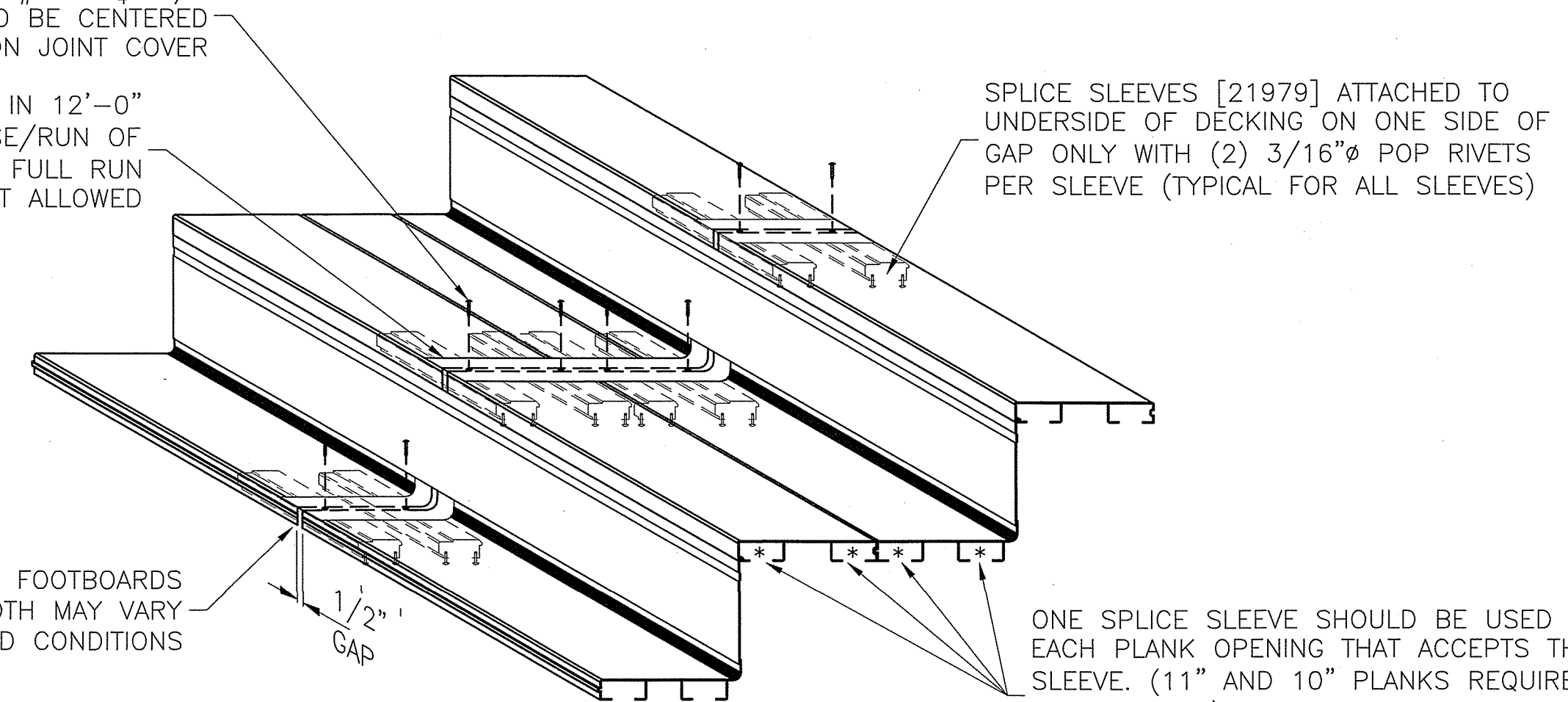


4 END CAP FOR SEATBOARD - 10213A TOP VIEW

ATTACH JOINT COVER TO EACH SPLICE SLEEVE WITH (1) #10 x 3/4" S/S PAN HEAD PHILLIPS TEK SCREW NOTE: JOINT COVER TO BE CENTERED OVER GAP AND TEK SCREW TO BE CENTERED ON JOINT COVER

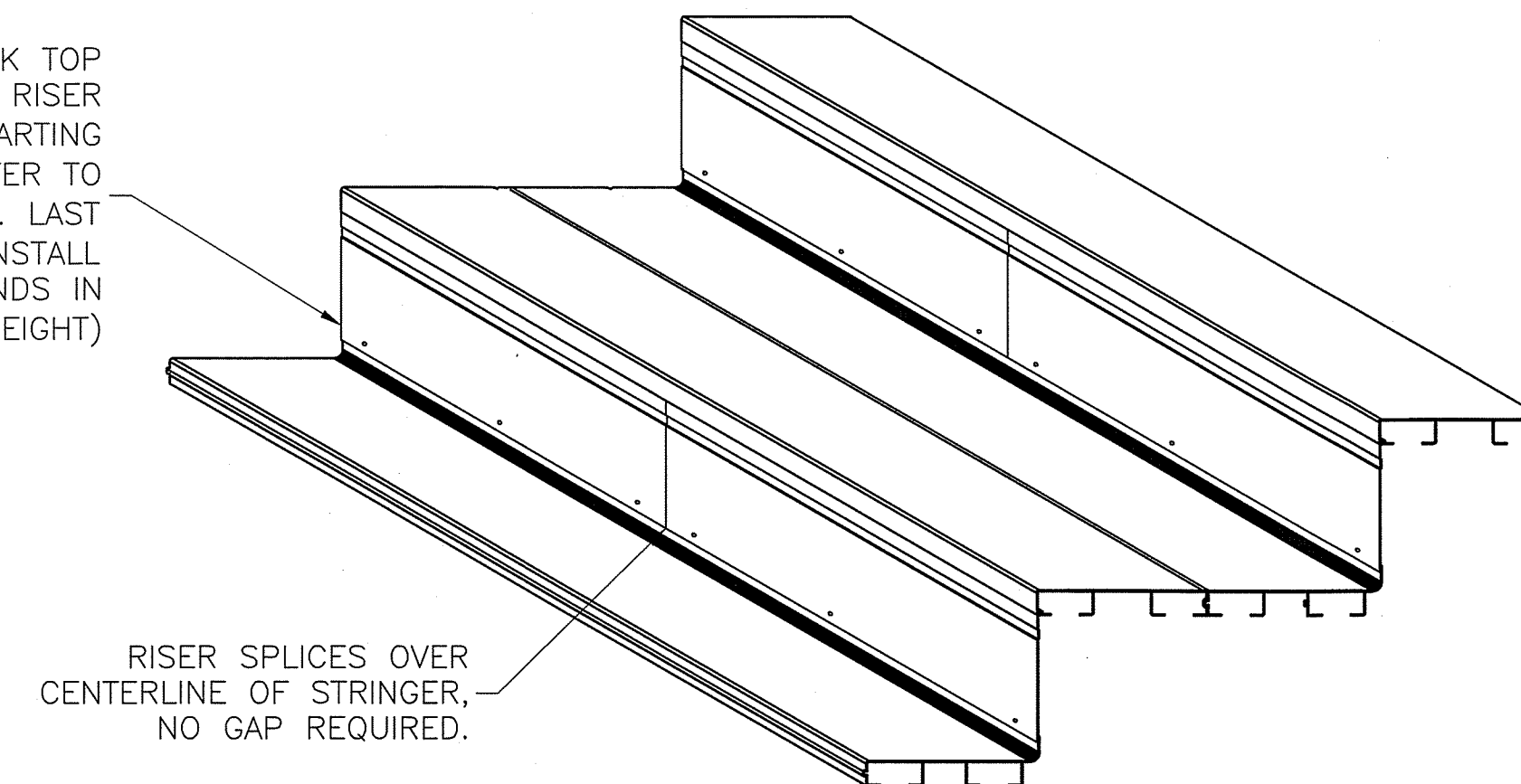
4" WIDE ALUMINUM JOINT COVER [91117] SHIPPED IN 12'-0" LENGTHS - FIELD FORMED AND CUT TO FIT RISE/RUN OF DECKING. (TYPICAL AT ALL DECK JOINTS) MUST HAVE A FULL RUN OF JOINT COVER. SPLICING OF JOINT COVER IS NOT ALLOWED

DESIGNED GAP BETWEEN ENDS OF FOOTBOARDS IS 1/2" - THE ACTUAL GAP WIDTH MAY VARY DEPENDING ON FIELD CONDITIONS



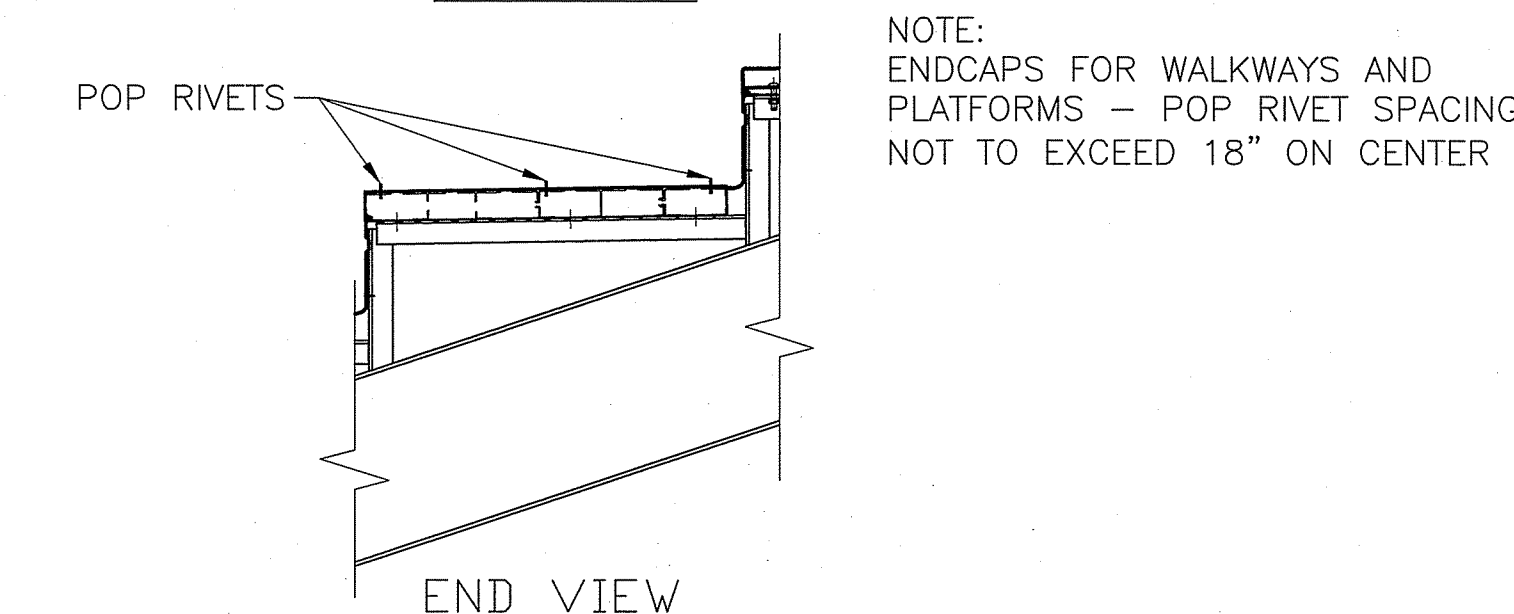
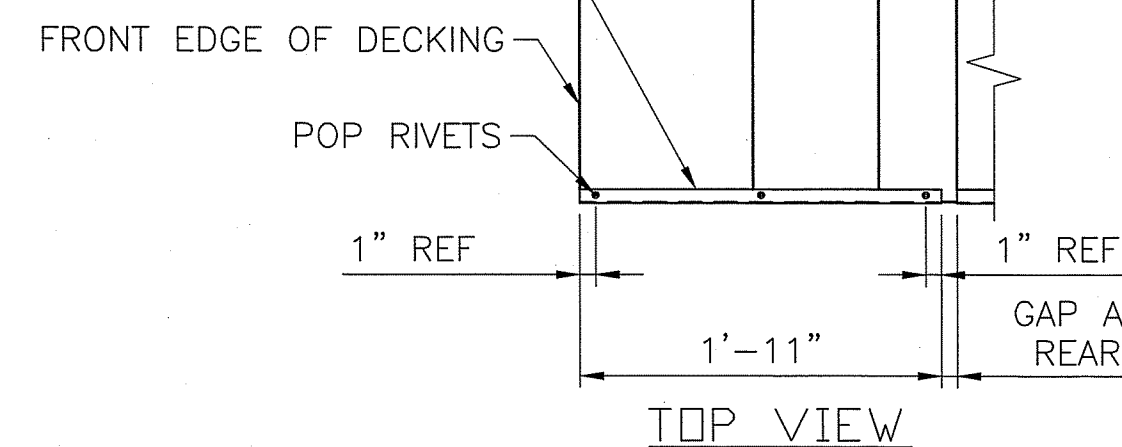
2 SPLICING OF DECKING WITH JOINT COVER FOR USE ON WELDED OR INTERLOCKING DECK

INTERLOCKING ALUMINUM RISER 18'-0" NOMINAL LENGTH - INTERLOCK TOP OF RISER INTO GROOVE IN FRONT FOOTBOARD & ATTACH BOTTOM OF RISER TO VERTICAL OF HEELBOARD WITH #12-24x1 1/4" TEK SCREWS STARTING AT 4" FROM LEFT END OF RISER & CONTINUING AT 24" ON CENTER TO OTHER END OF RISER. LAST TEK SCREW MUST BE 4" FROM END. LAST SPACE WILL VARY IN SPACING NOT TO EXCEED 24". (FIELD TO INSTALL GREY VINYL SCREW CAP TO ALL EXPOSED TEK SCREWS ENDS IN ACCESSIBLE AREAS BEHIND THE STAND UNDER 7'-0" IN HEIGHT)



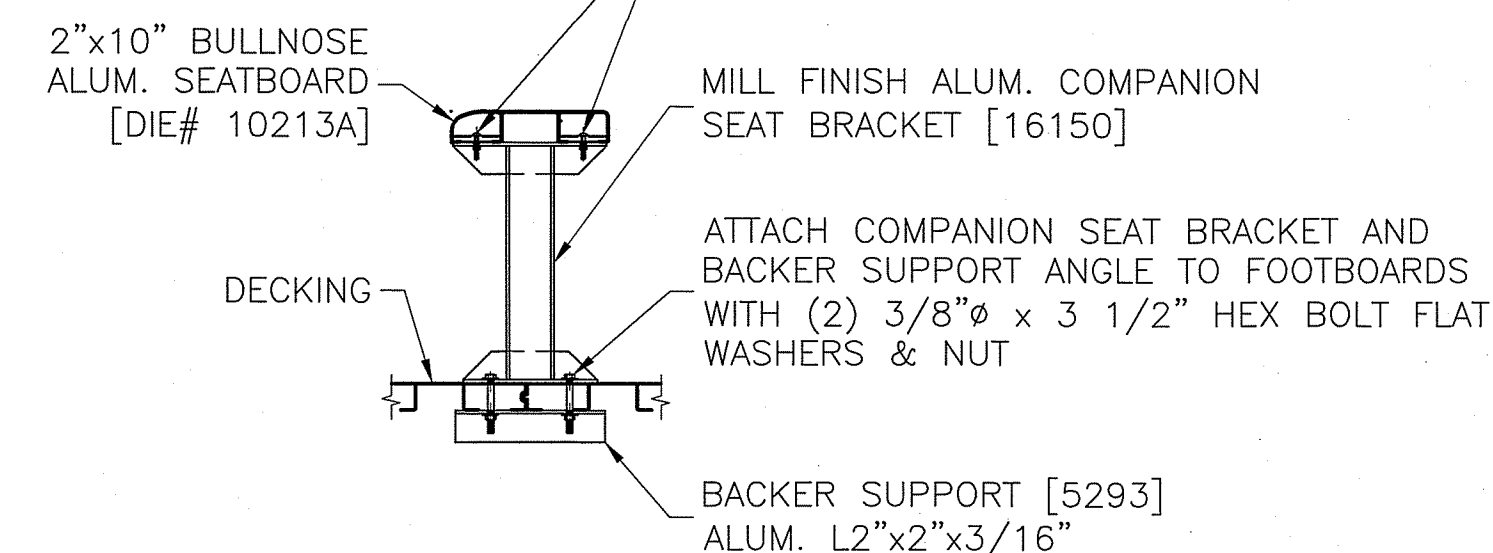
6 TYPICAL DETAIL OF RISER & JOINT

ATTACH END CAP [20982] TO FOOTBOARDS FLUSH AT FRONT EDGE WITH (3) 3/16" POP RIVETS



5 END CAP TO DECKING CONNECTION TYPICAL 24" RUN

ATTACH SEATBOARD TO SEAT BRACKET WITH ALUM. HOLD-DOWN CLIP [87432] AND (2) 5/16" x 1 1/2" LG. CARRIAGE BOLT FLAT WASHER AND NUT



7 COMPANION SEAT BRACKET TO DECKING 10213A SEATBOARD

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
Louisville, KY 40274-0008
Telephone: (502) 634-3626
WWW.DANTCLAYTON.COM

REVISIONS		INITIALS	ECO NUMBER
REV. NO.	DATE	DESCRIPTION	
A			
B			
C			
D			
E			

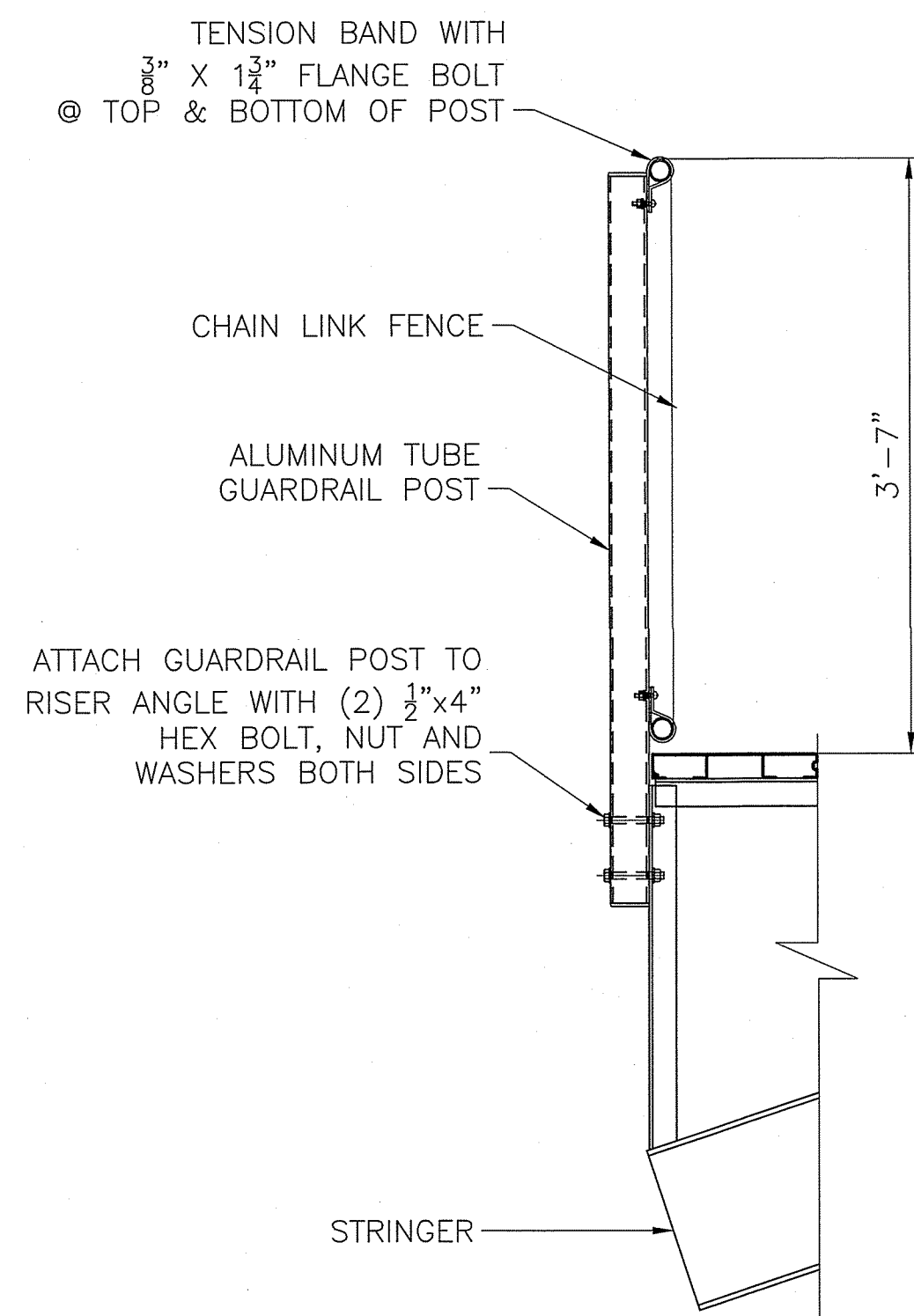
SHEET NUMBER

6-0

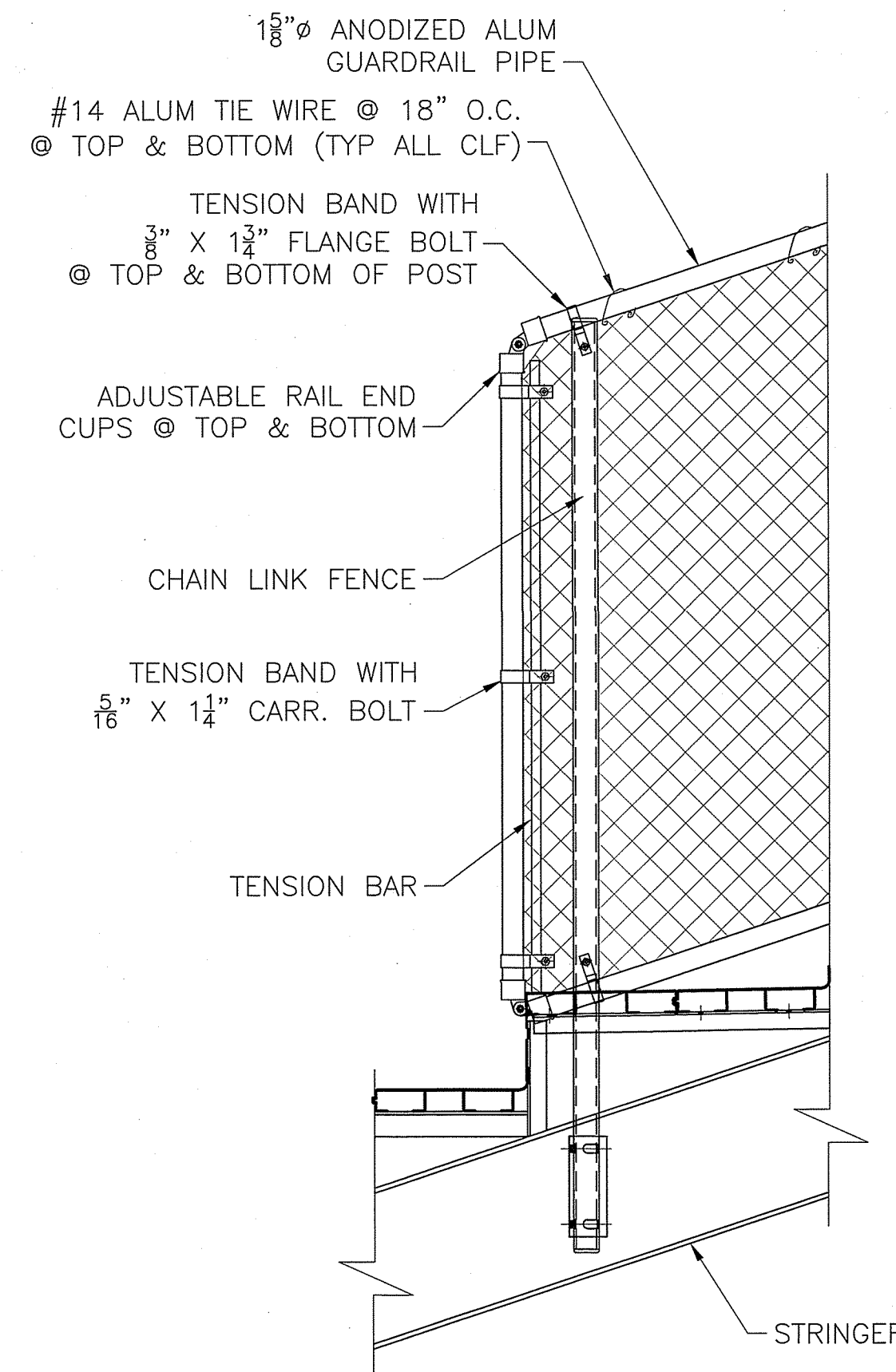
PART NUMBER

0272837

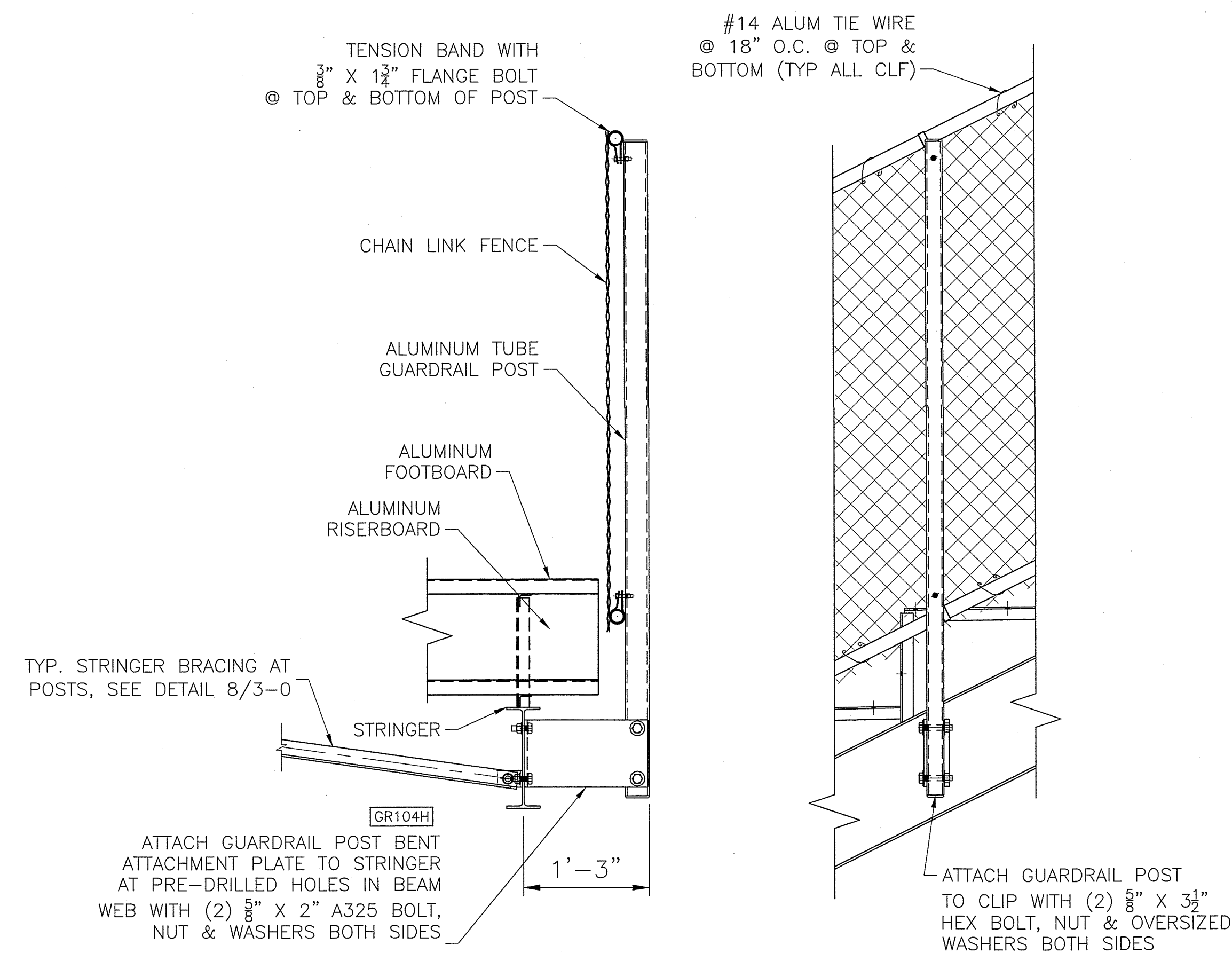




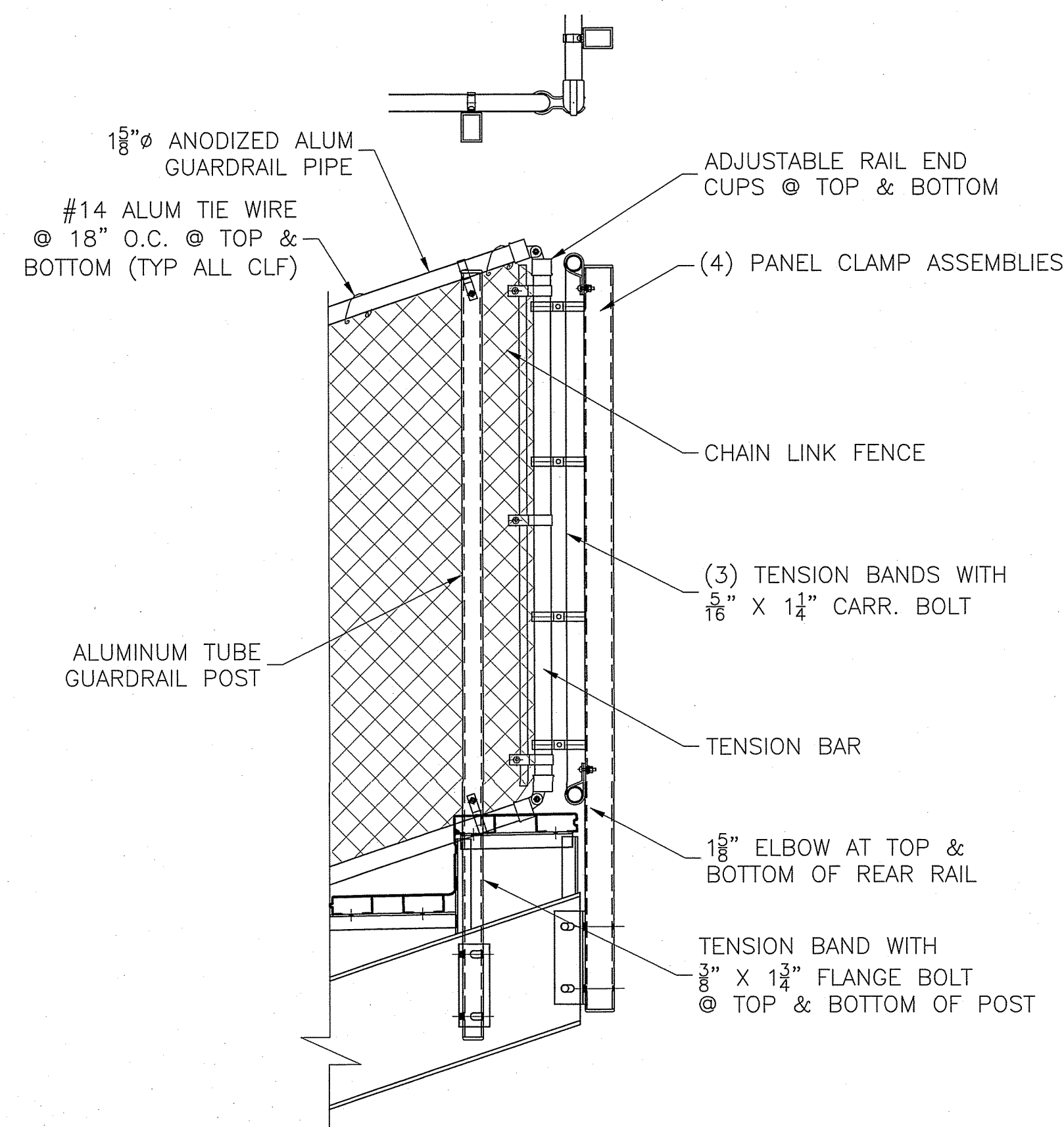
1 TYPICAL 2-RAIL CONNECTION
AT FRONT OF STAND



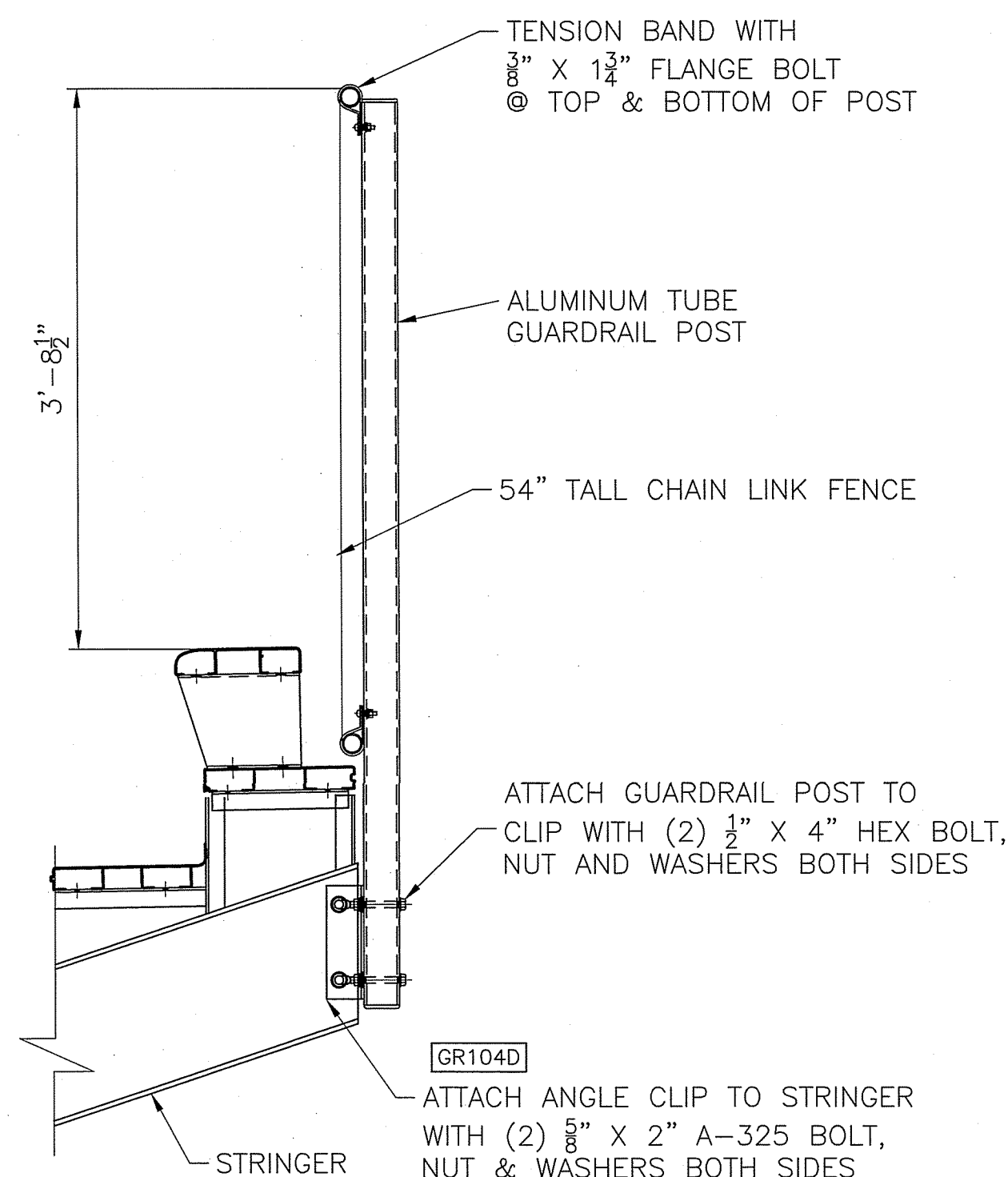
2 TYPICAL 2-RAIL CONNECTION
AT FRONT OF END RAILINGS



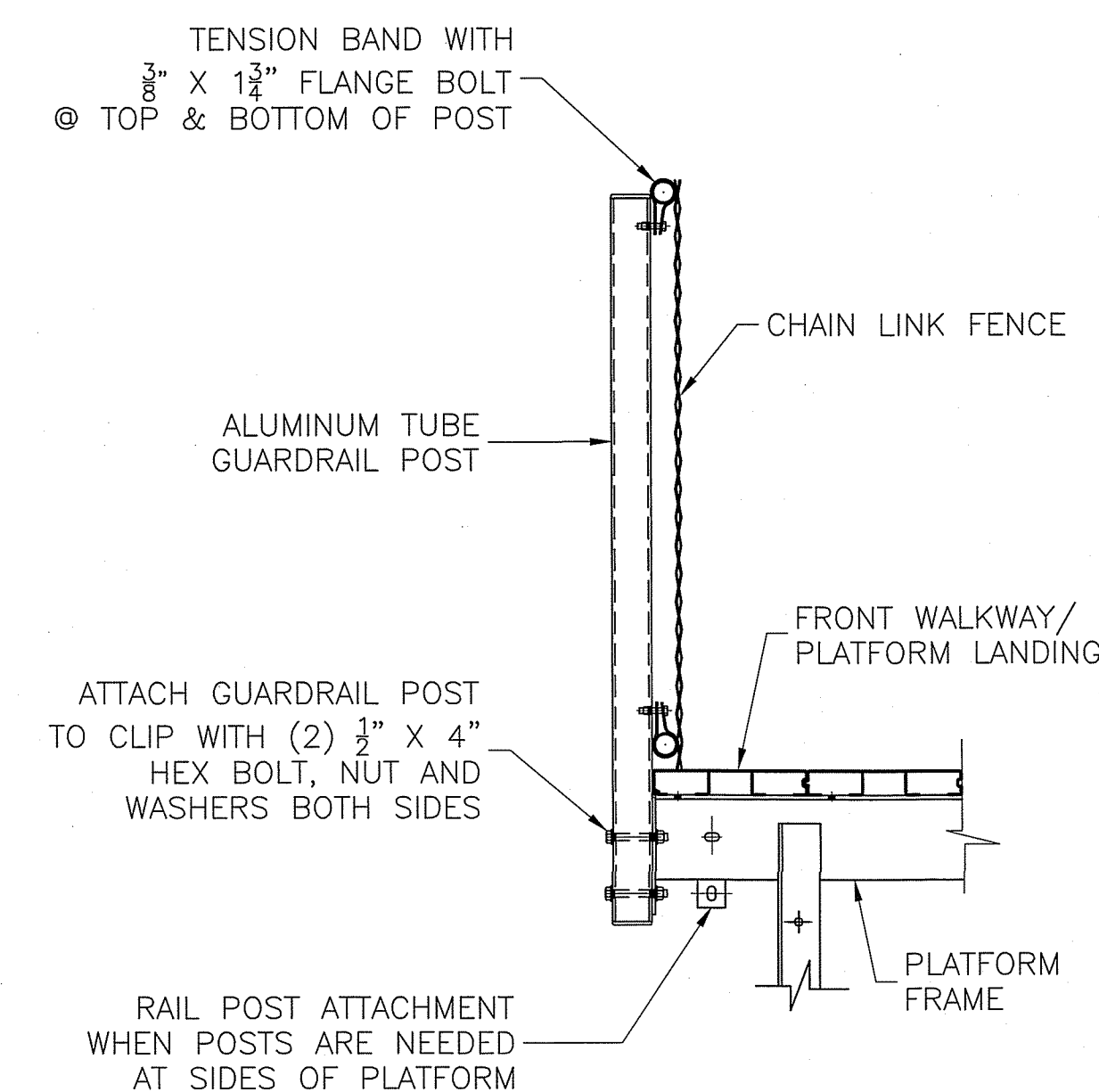
3 TYPICAL 2-RAIL CONNECTION
AT SIDE OF STAND



4 TYPICAL 2-RAIL CONNECTION
AT REAR END OF RAILINGS



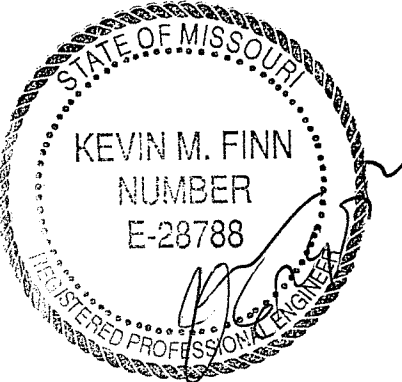
5 TYPICAL 2-RAIL CONNECTION
AT REAR OF STAND



3 TYPICAL 2-RAIL CONNECTION
AT PLATFORM FRAME

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Bernheim Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

SHEET NUMBER

6-5

PART NUMBER

0272837



1 1/8" ANODIZED ALUMINUM GUARDRAIL [DIE #064AC] - ATTACH TO POST WITH 1 1/8" TENSION BANDS & 3/8" x 1 1/2" AVK FLANGE BOLT - ZINC PLATED. (TYPICAL)

#14 ALUMINUM TIE WIRE AT 18" O.C. (TYPICAL)

1.9" ANODIZED ALUMINUM GRABRAIL [DIE #137AC] - ATTACH TO EACH BRACKET WITH (2) #12/24 x 1 1/4" TEK SCREWS

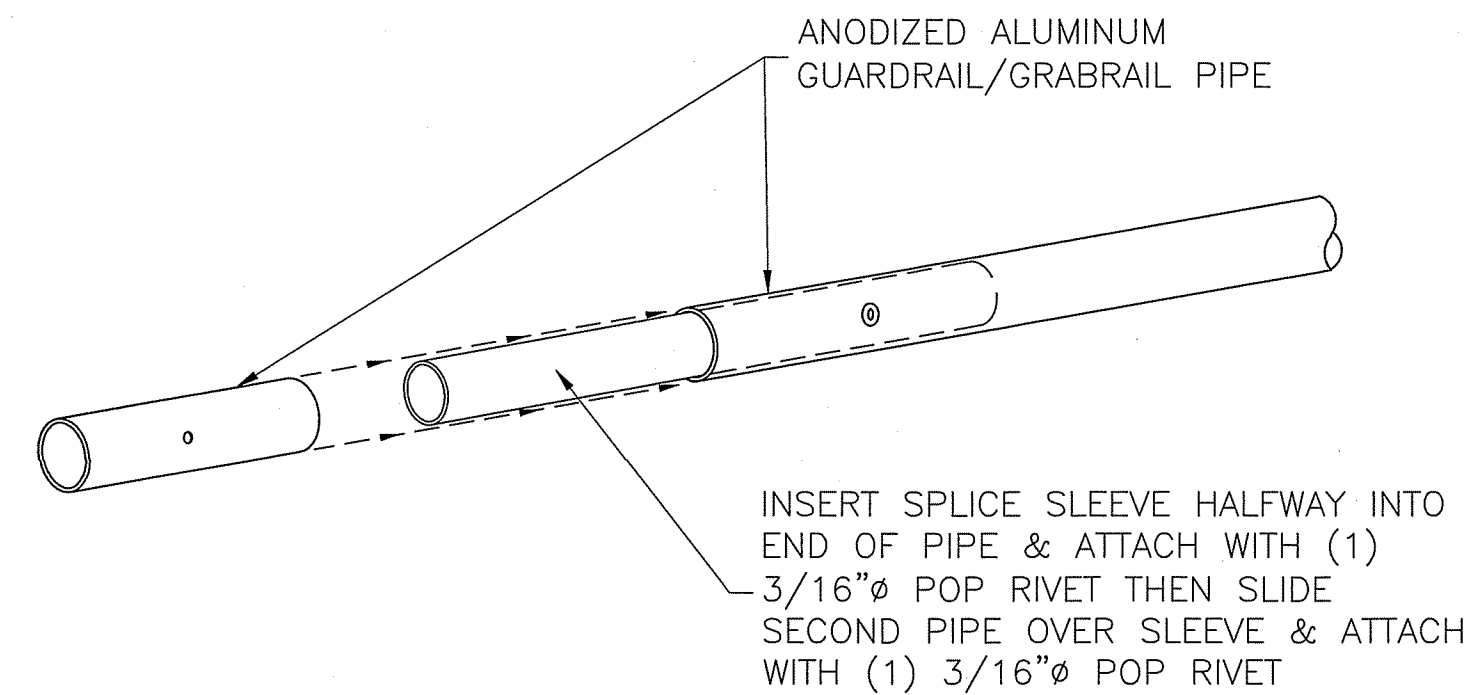
EXTRUDED ALUMINUM GRABRAIL BRACKET [21786] - ATTACH TO POST WITH 3/8" x 1 1/2" AVK FLANGE BOLT - ZINC PLATED

CHAIN LINK FENCE

ALUMINUM TUBE GUARDRAIL POST

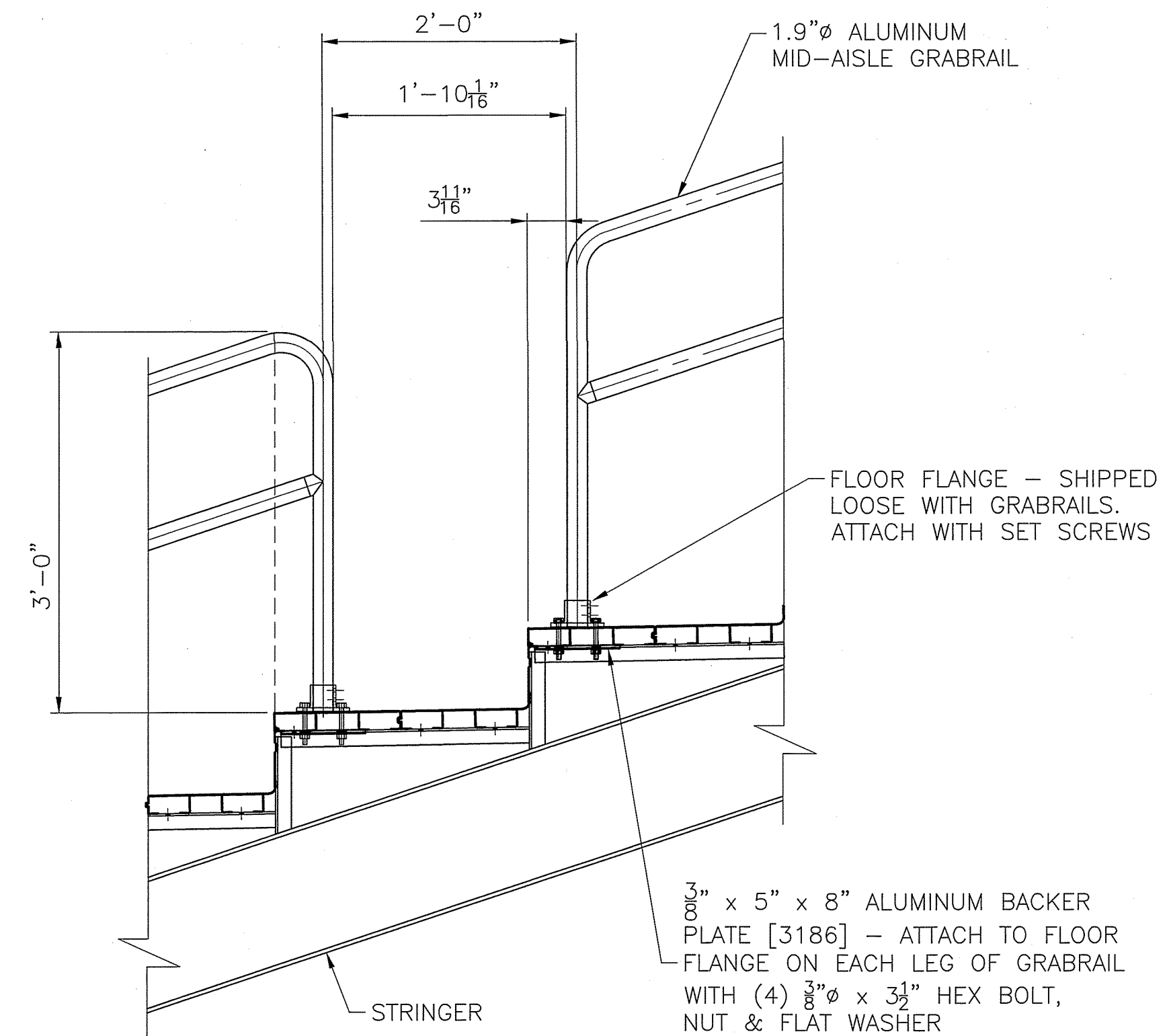
1 TYPICAL 2-RAIL CONNECTION WITH GRABRAIL

SCALE: N.T.S.



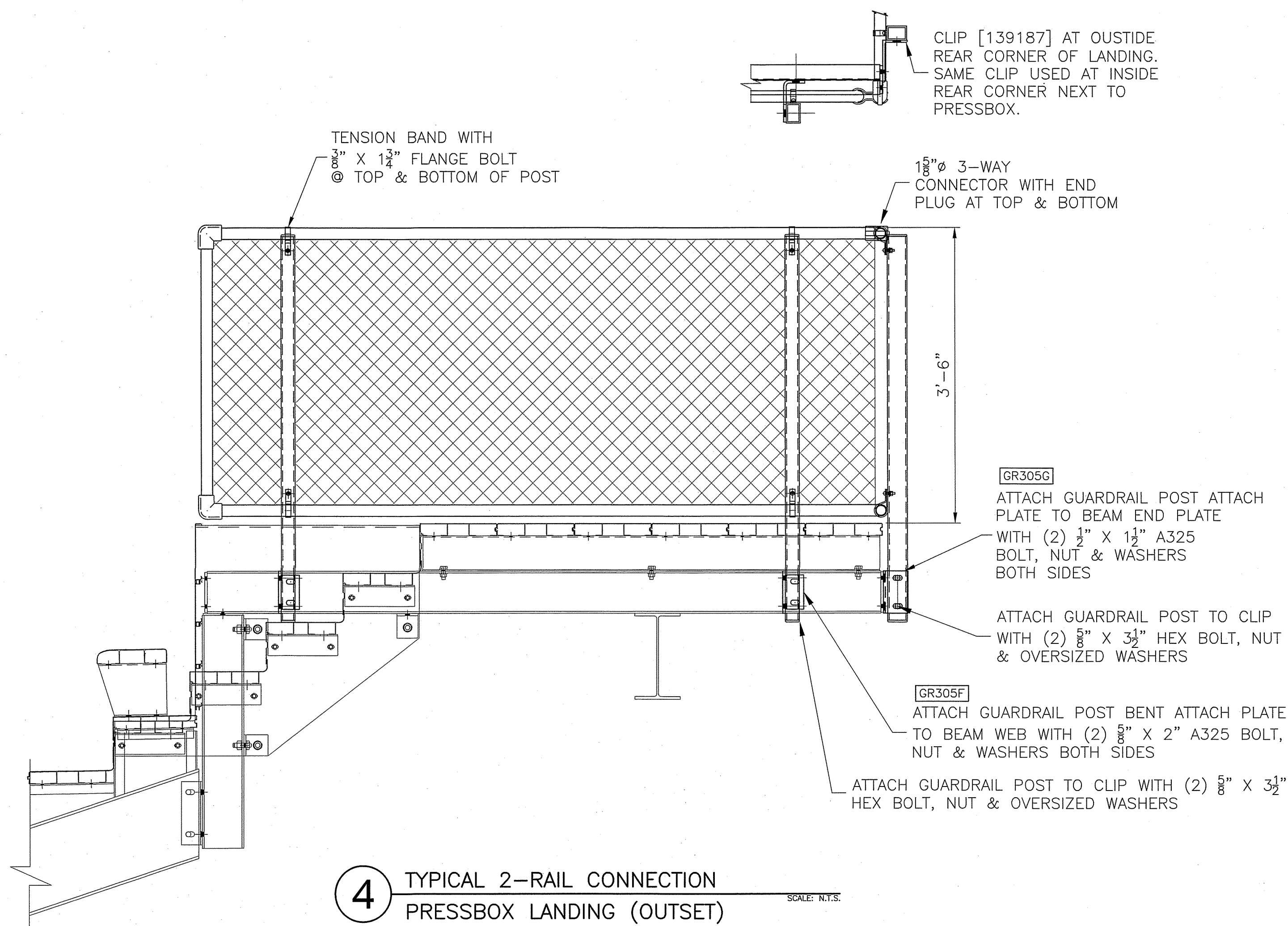
2 GUARDRAIL/GRABRAIL SPLICE CONNECTION

SCALE: N.T.S.



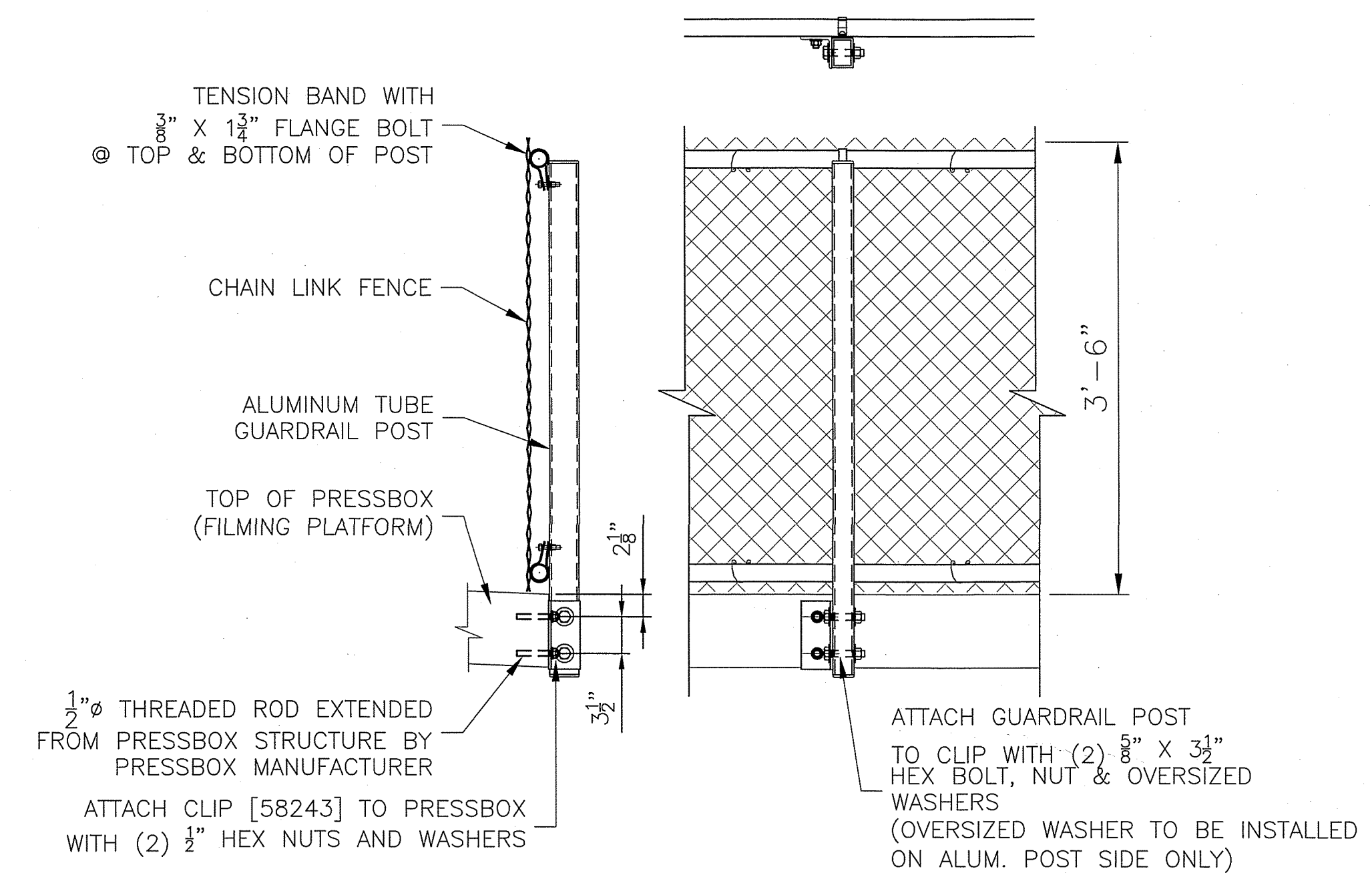
3 MID-AISLE RAIL CONNECTION TYPICAL 24" RUN

SCALE: N.T.S.



4 TYPICAL 2-RAIL CONNECTION PRESSBOX LANDING (OUTSET)

SCALE: N.T.S.



5 TYPICAL 2-RAIL CONNECTION AT PRESSBOX FILMING PLATFORM

SCALE: N.T.S.

* FILMING PLATFORM OPTION MAY NOT BE INCLUDED ON THIS JOB

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
Louisville, KY 40208-0008
Telephone: 502-634-7326
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

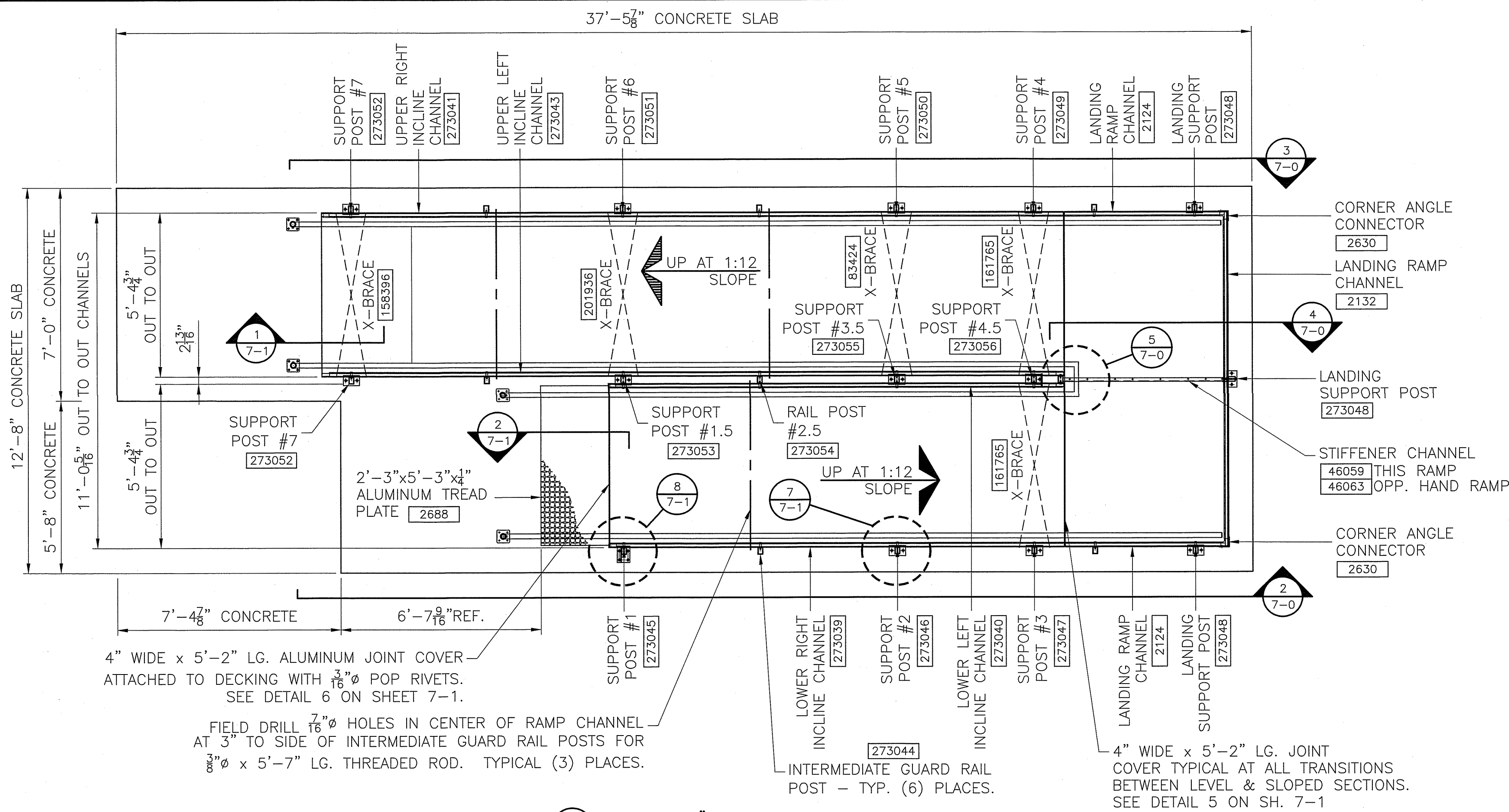
SHEET NUMBER

6-6

PART NUMBER

0272837

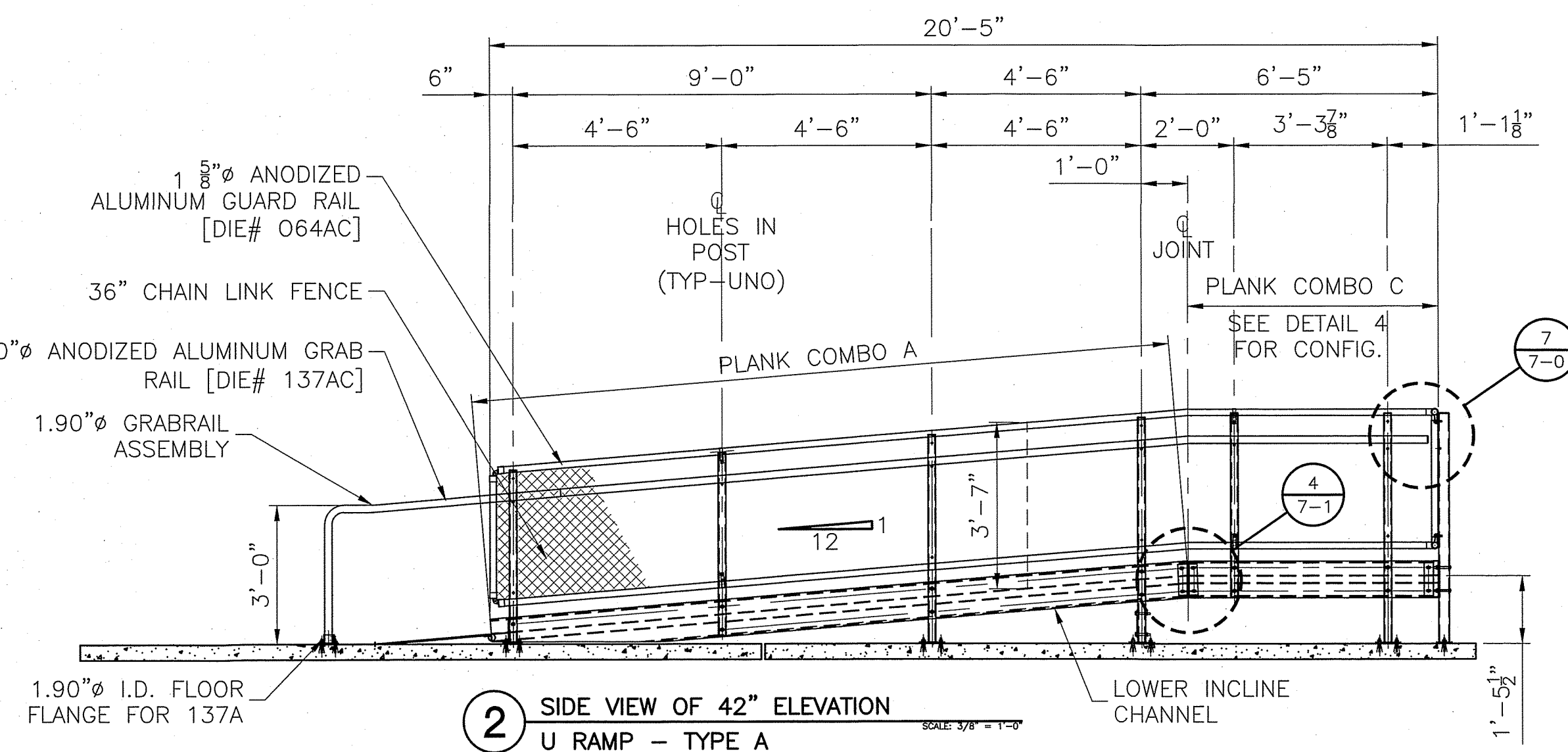




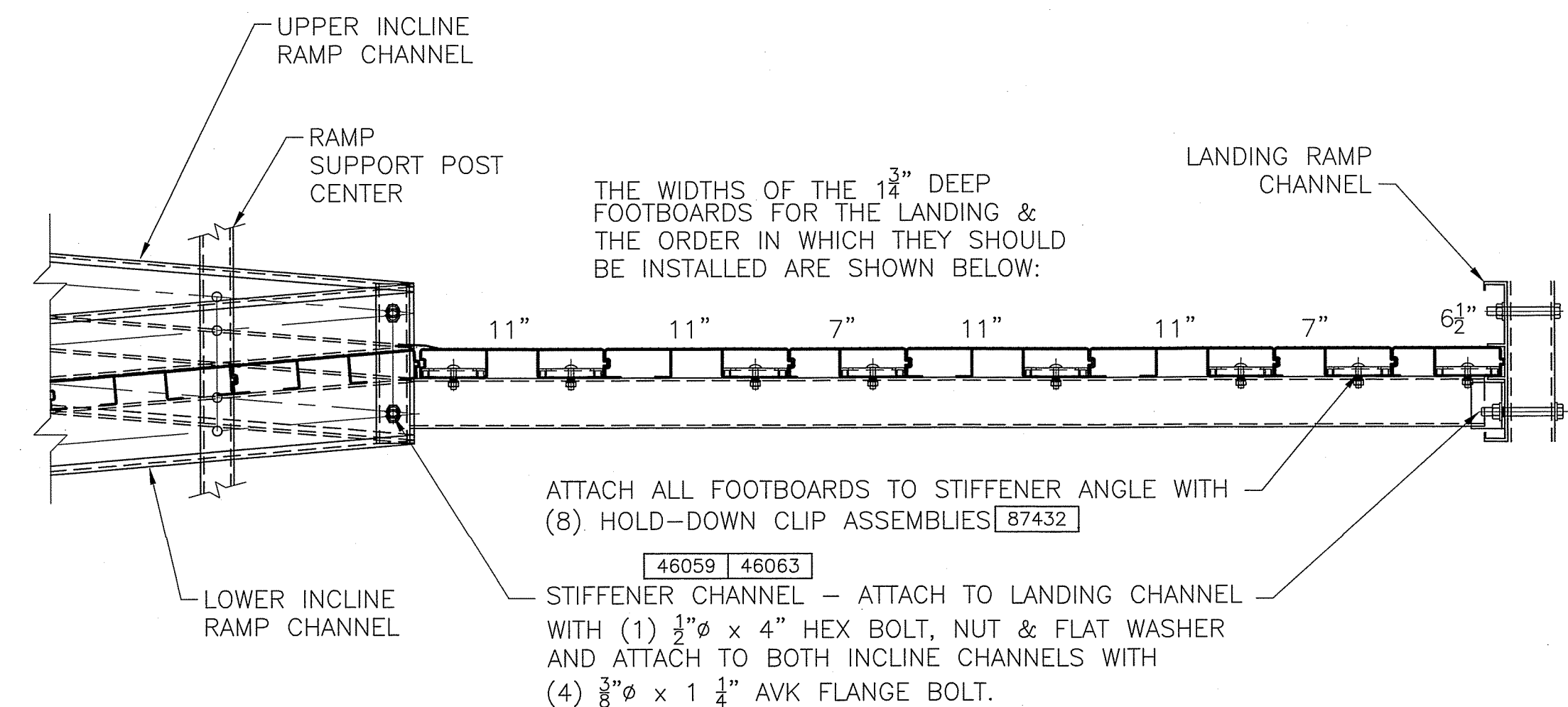
1 PLAN OF 42" ELEVATION
U RAMP - TYPE A

NOTES:

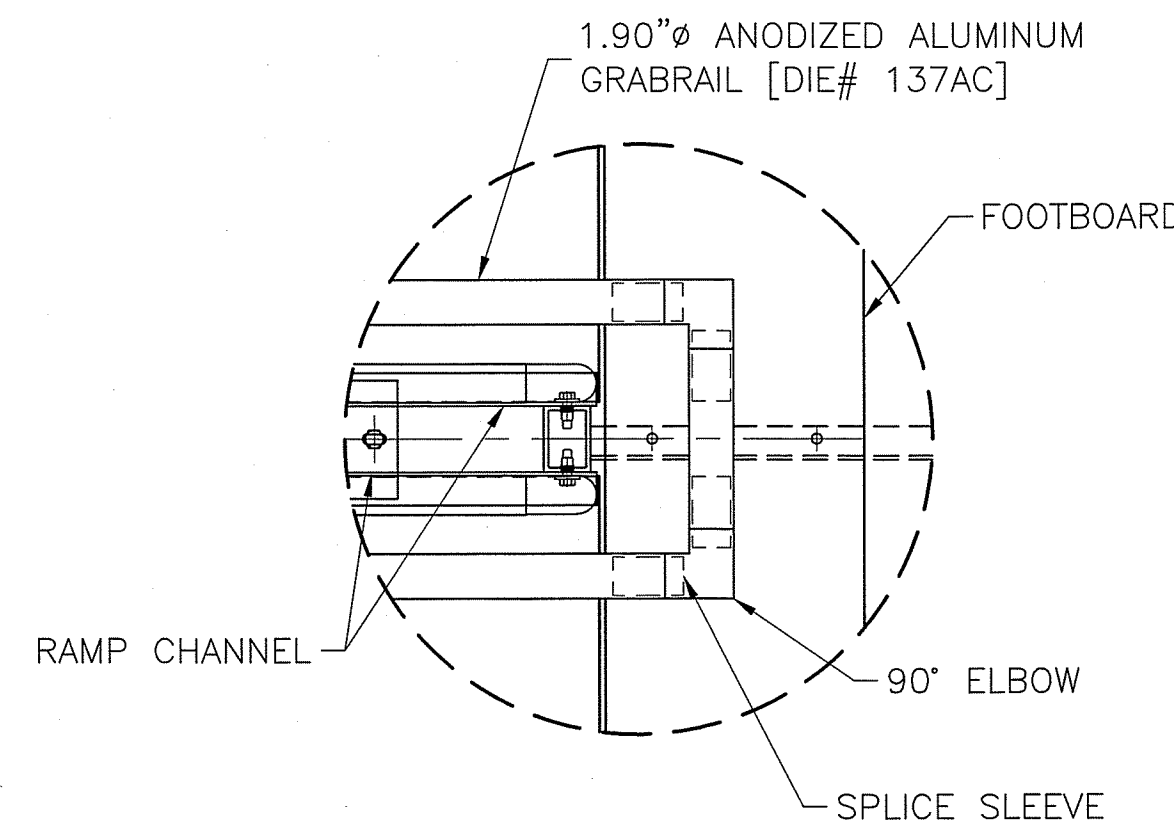
- 1) ALL DECK PLANKS ARE 5'-4 1/4" EXCEPT AS NOTED OTHERWISE.
- 2) THE DECK PLANK COMBINATIONS ARE AS FOLLOWS:
 - A: (1) 10" X 1 3/4" PLANK [DIE# 10204AM] AND,
(1) 9" X 1 3/4" PLANK [DIE# 10205AM] AND,
(23) 7" X 1 3/4" PLANKS [DIE# 10207AM].
 - B: (42) 7" X 1 3/4" PLANKS [DIE# 10207AM].
 - C: (4) 11" X 1 3/4" X 10'-11 1/2" LG. PLANKS [DIE# 10203AM] AND,
(2) 7" X 1 3/4" X 10'-11 1/2" LG. PLANKS [DIE# 10207AM] AND,
(1) 6 1/2" X 1 3/4" X 10'-11 1/2" LG. PLANK [DIE# 10208AM].



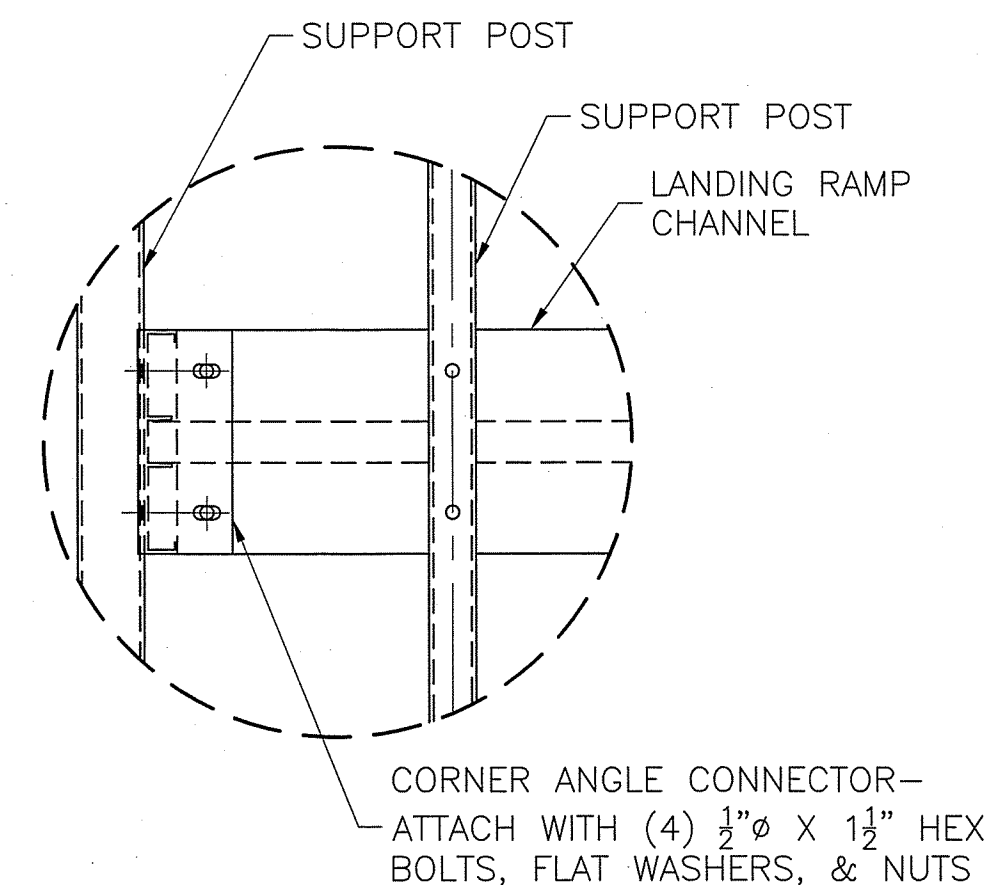
2 SIDE VIEW OF 42" ELEVATION
U RAMP - TYPE A



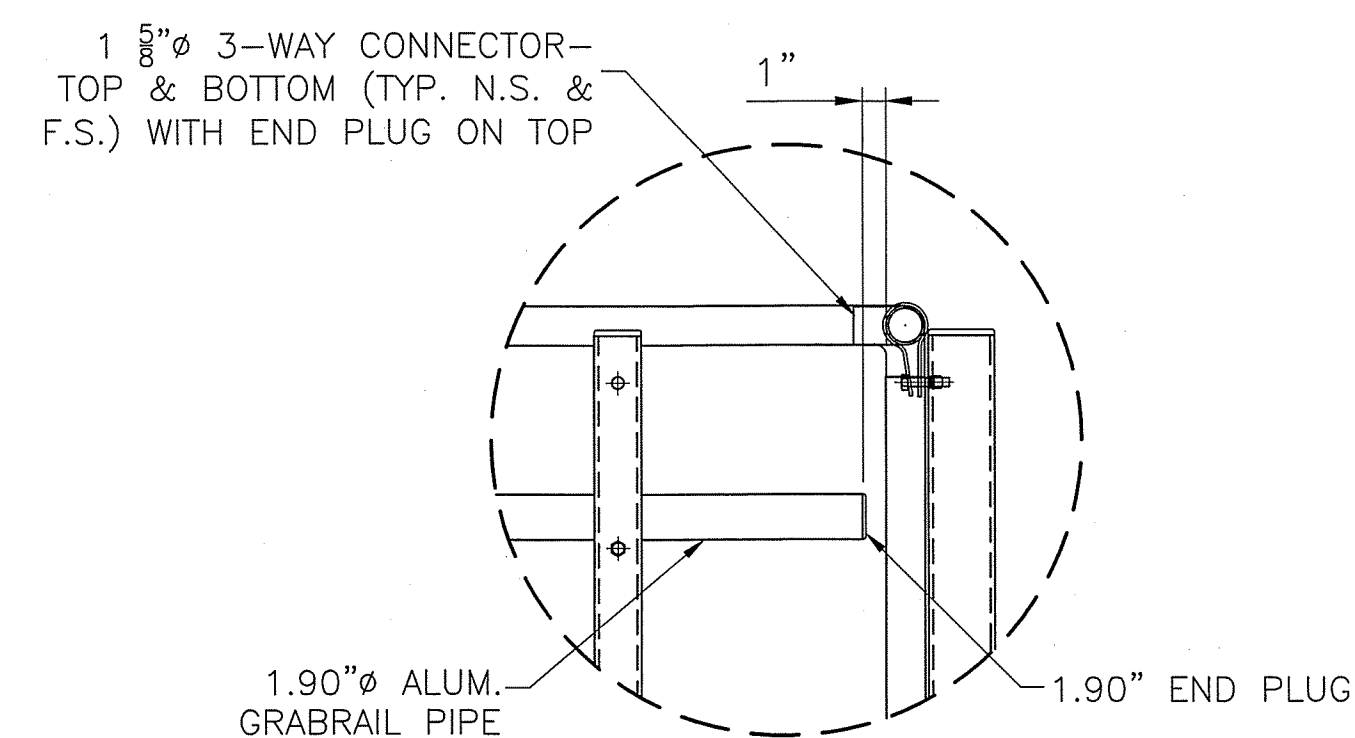
4 CONNECTION OF STIFFENER
CHANNEL BENEATH LANDING



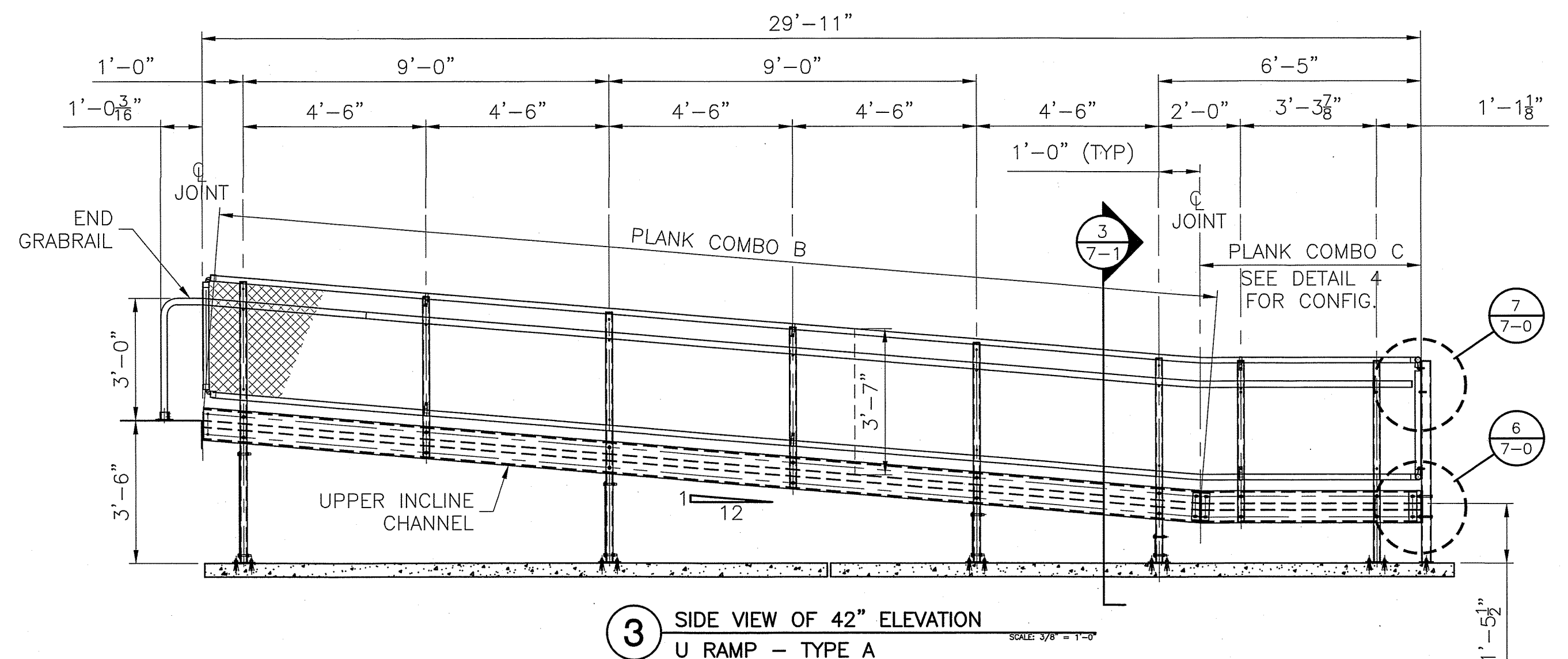
5 CONNECTION OF GRABRAIL
INSIDE OF LANDING



6 CONNECTION OF CORNER
ANGLE CONNECTOR



7 TERMINATION OF GRABRAIL
CORNER OF LANDING



3 SIDE VIEW OF 42" ELEVATION
U RAMP - TYPE A

PROJECT NAME:

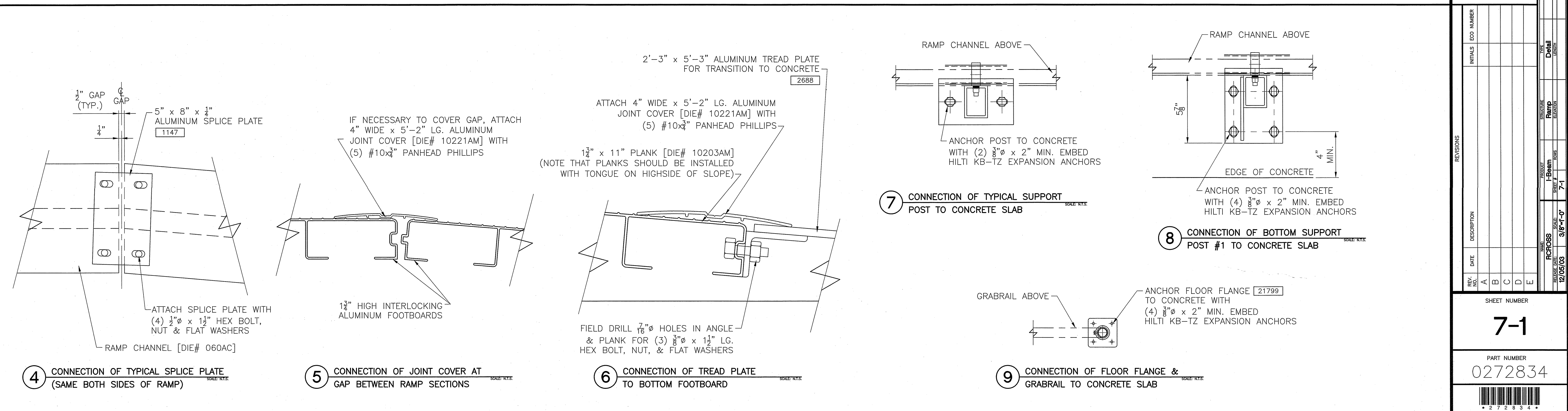
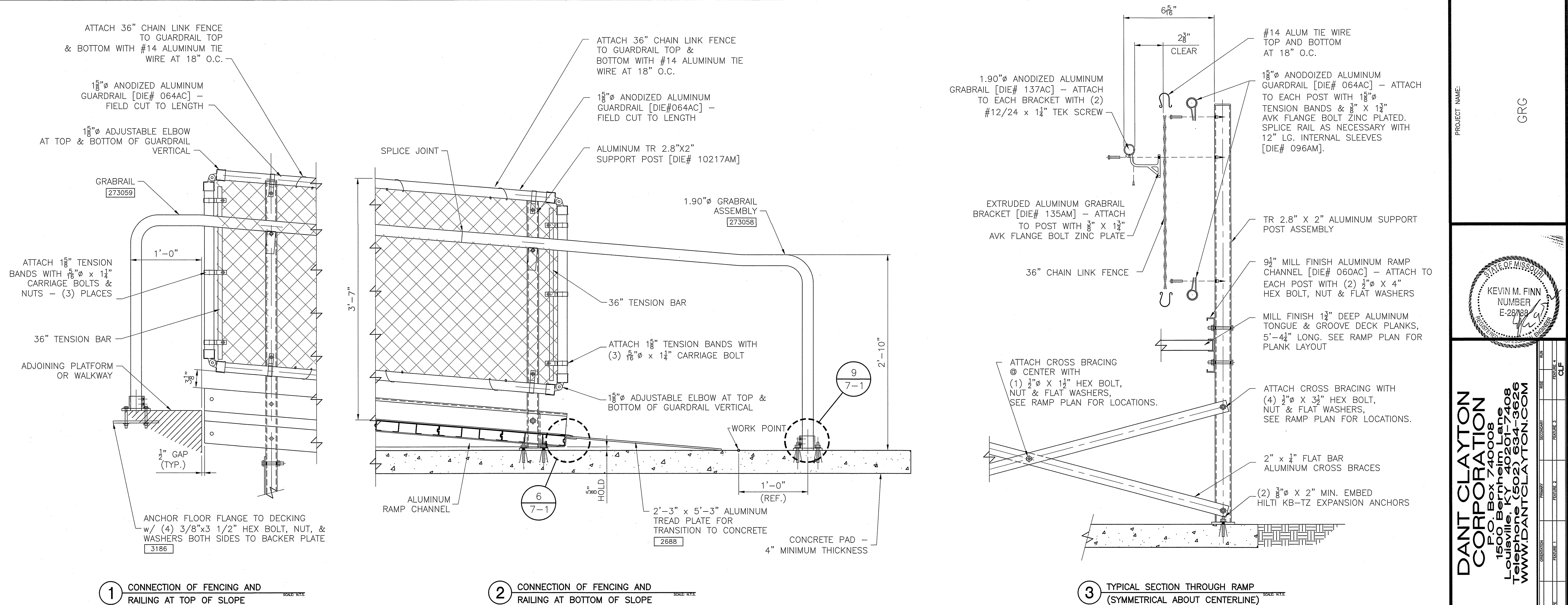
GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Bernheim Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

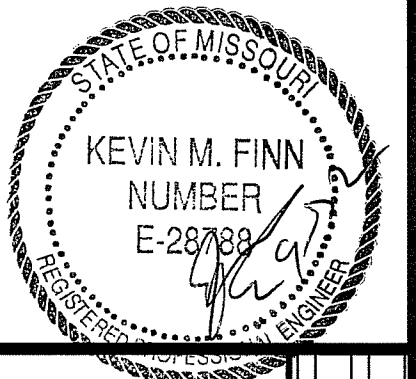
REV.	NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A	1				3847
B	2				
C	3				
D	4				
E	5				

SHEET NUMBER	7-0
PART NUMBER	0272833
DATE	12/05/03
TIME	3:18-1-0
REVISIONS	



PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Bertheim Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

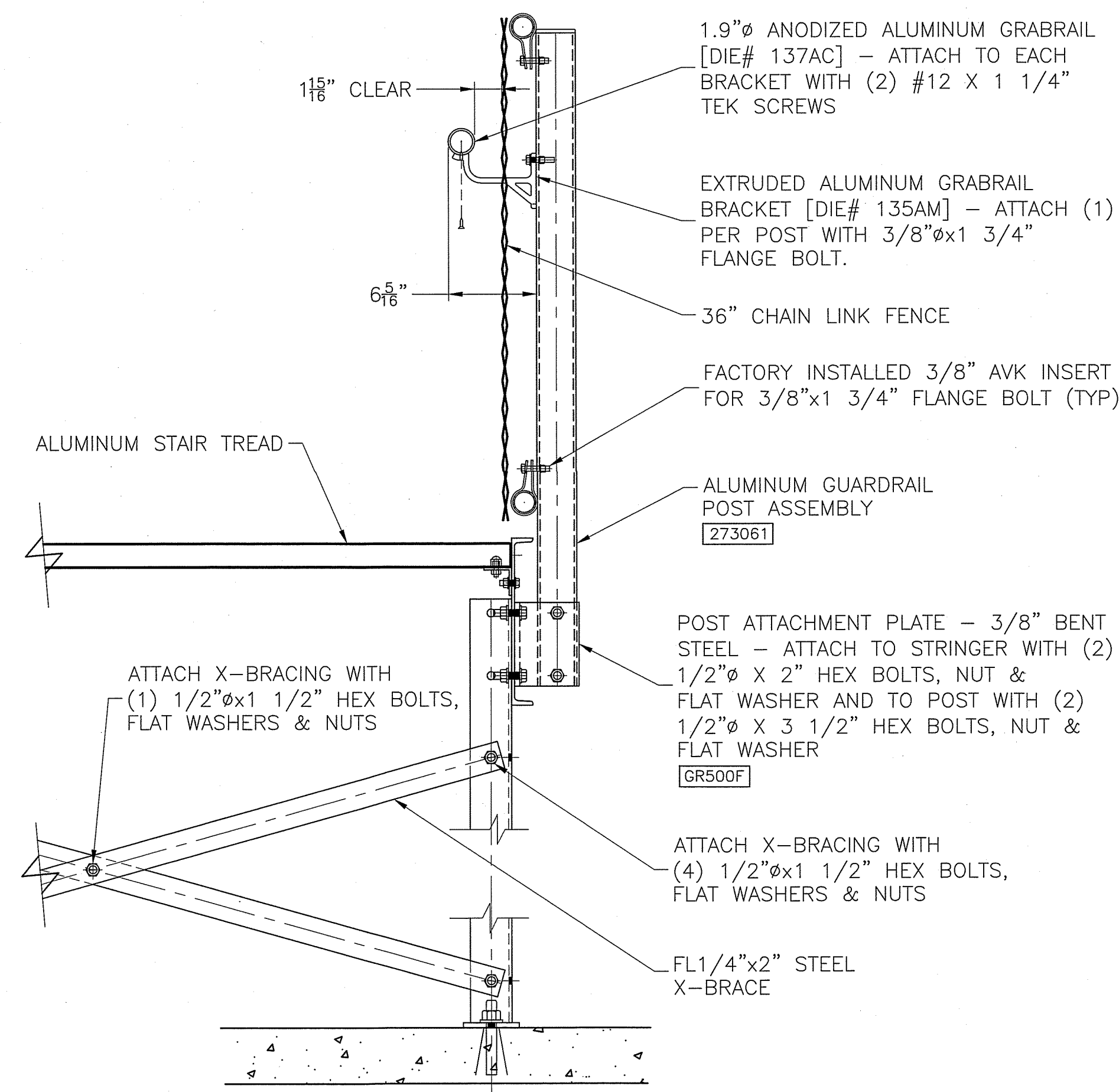
SHEET NUMBER

7-1

PART NUMBER

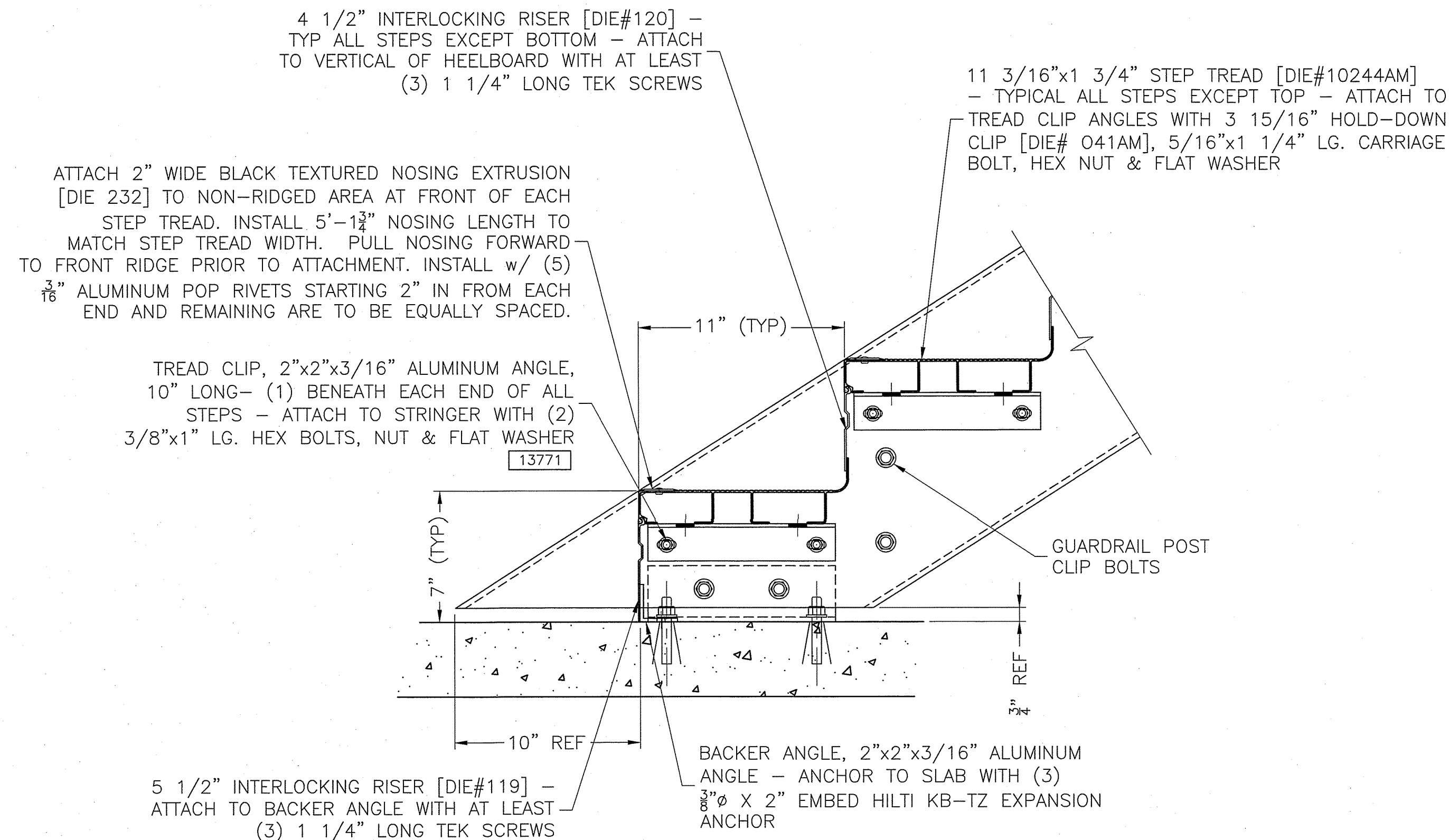
0272834





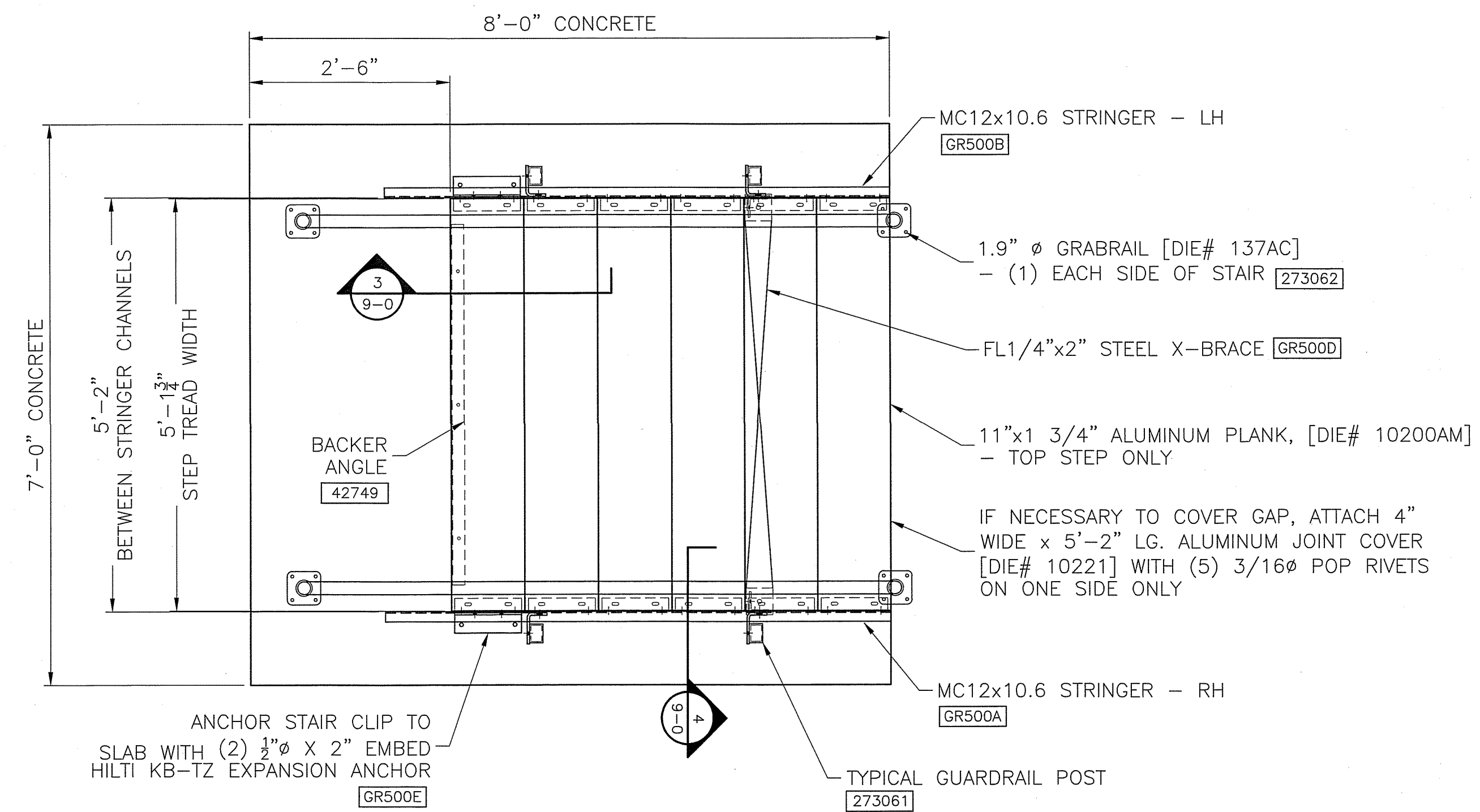
4 SECTION THRU STAIR STRINGER

SCALE: 1 1/2"=1'-0"



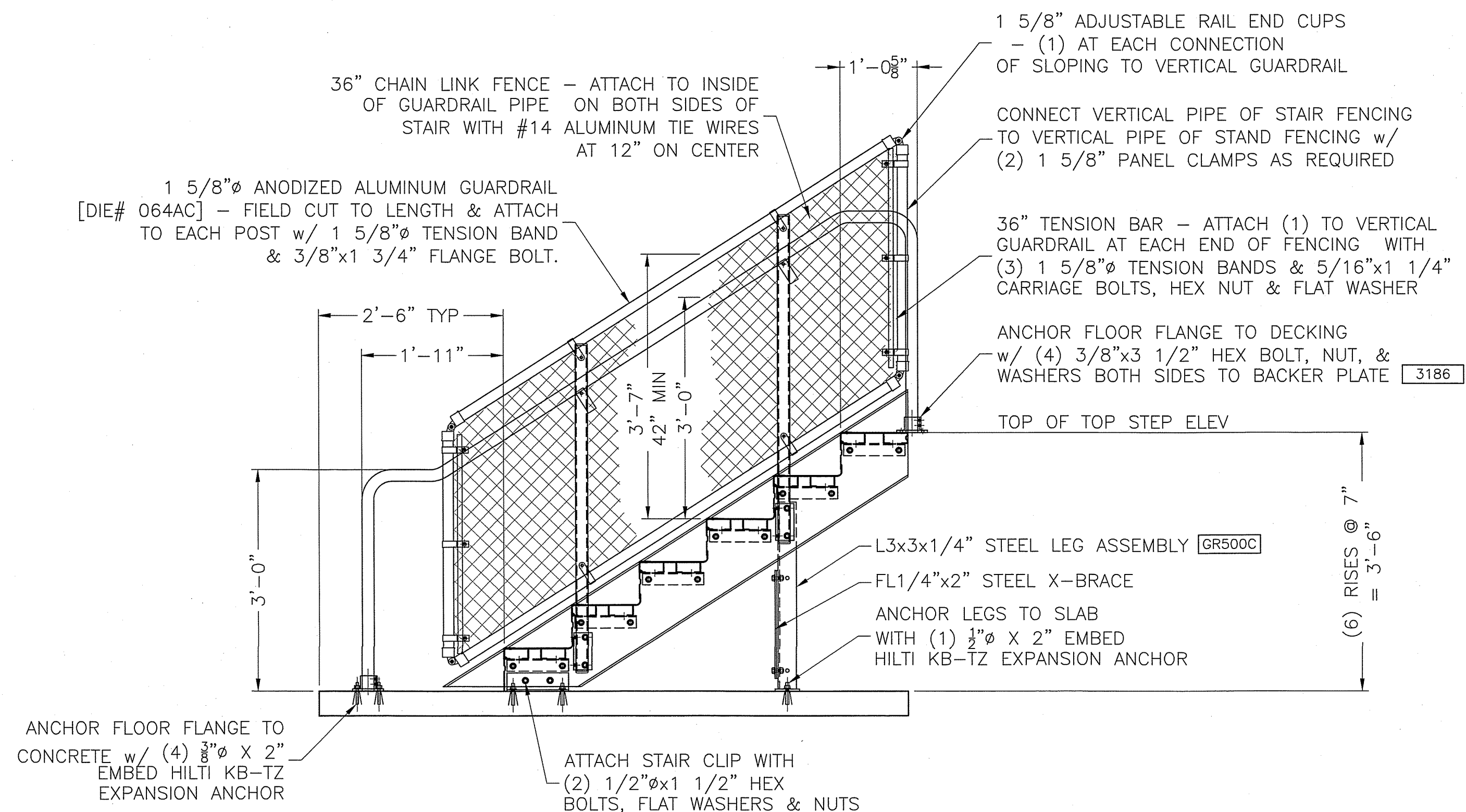
3 SECTION THRU BOTTOM STEPS

SCALE: N.T.S.



2 PLAN VIEW OF 42" SINGLE WIDE STAIR

SCALE: 3/4"=1'-0"



1 SIDE VIEW OF 42" SINGLE WIDE STAIR

SCALE: 3/4"=1'-0"

SHIM NOTE:
SHIM STAIRS AS REQUIRED w/ WASHERS TO ACHIEVE PROPER ELEVATION. INSTALLER RESPONSIBLE FOR SUPPLYING NON-SHRINK GROUT TO FILL BETWEEN STAIR SUPPORTS AND CONCRETE AS NEEDED.

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
1500 Benthams Lane
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REV. NO.	DATE	DESCRIPTION	INITIALS	ECO NUMBER
A				
B				
C				
D				
E				

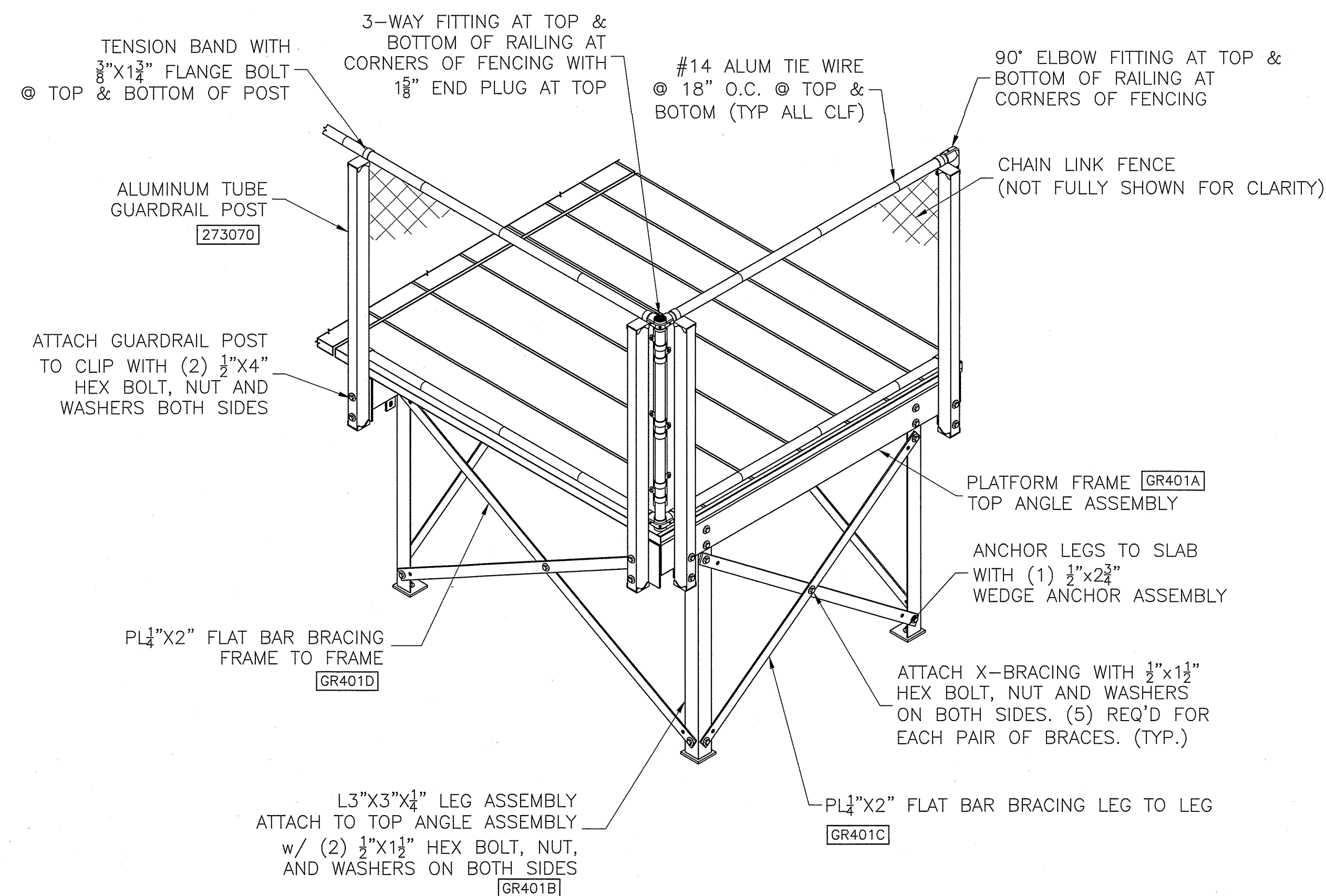
SHEET NUMBER

9-0

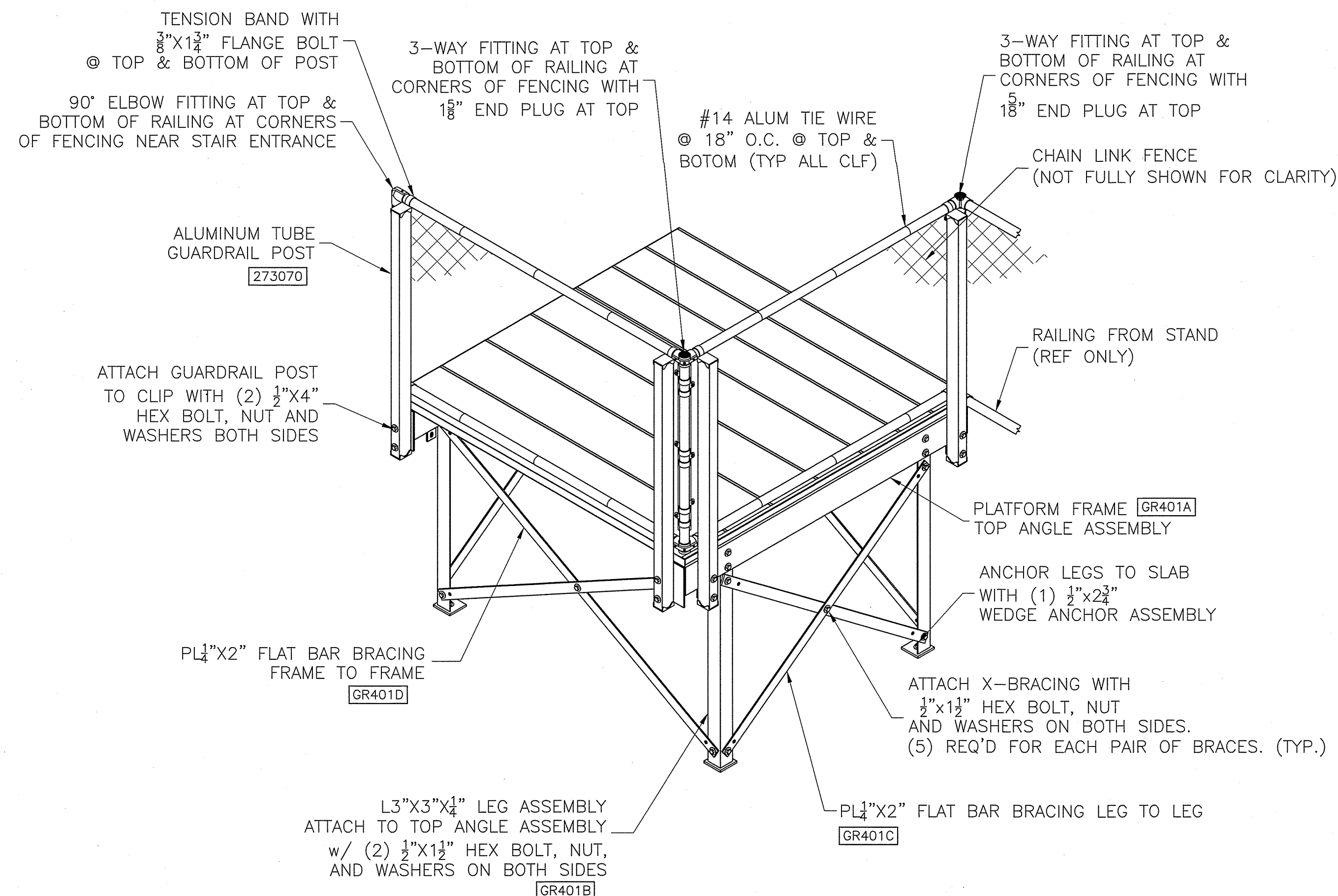
PART NUMBER

0272773





1 END PLATFORM FRAME DETAILS
42" ELEVATION (RH SHOWN) SCALE: N.T.S.



2 FRONT PLATFORM FRAME DETAILS
42" ELEVATION (LH STAIR SHOWN) SCALE: N.T.S.

NOTES:
1) ALL DECK PLANKS ARE 5'-11" EXCEPT AS NOTED OTHERWISE.
2) IF PLATFORM IS BEING INSTALLED IN FRONT OF STAND FTBD'S MUST BE FIELD CUT TO 5'-5 1/2"
3) THE DECK PLANK COMBINATIONS ARE AS FOLLOWS:
A: (1) 12" X 1 3/4" PLANK [DIE# 10245AM] AND,
(6) 10" X 1 3/4" PLANK [DIE# 10204AM]

NOTES:
1. USE WASHERS ON BOTH SIDES OF ALL STEEL CONNECTIONS. ALL BOLTS TO FACE SAME DIRECTION.

PROJECT NAME:

GRG



DANT CLAYTON CORPORATION
P.O. Box 740008
Louisville, KY 40201-7408
Telephone (502) 634-3626
WWW.DANTCLAYTON.COM

REVISIONS		INITIALS	ECO NUMBER
REV.	DATE	DESCRIPTION	
A			
B			
C			
D			
E			

SHEET NUMBER

10-0

PART NUMBER

0272835

