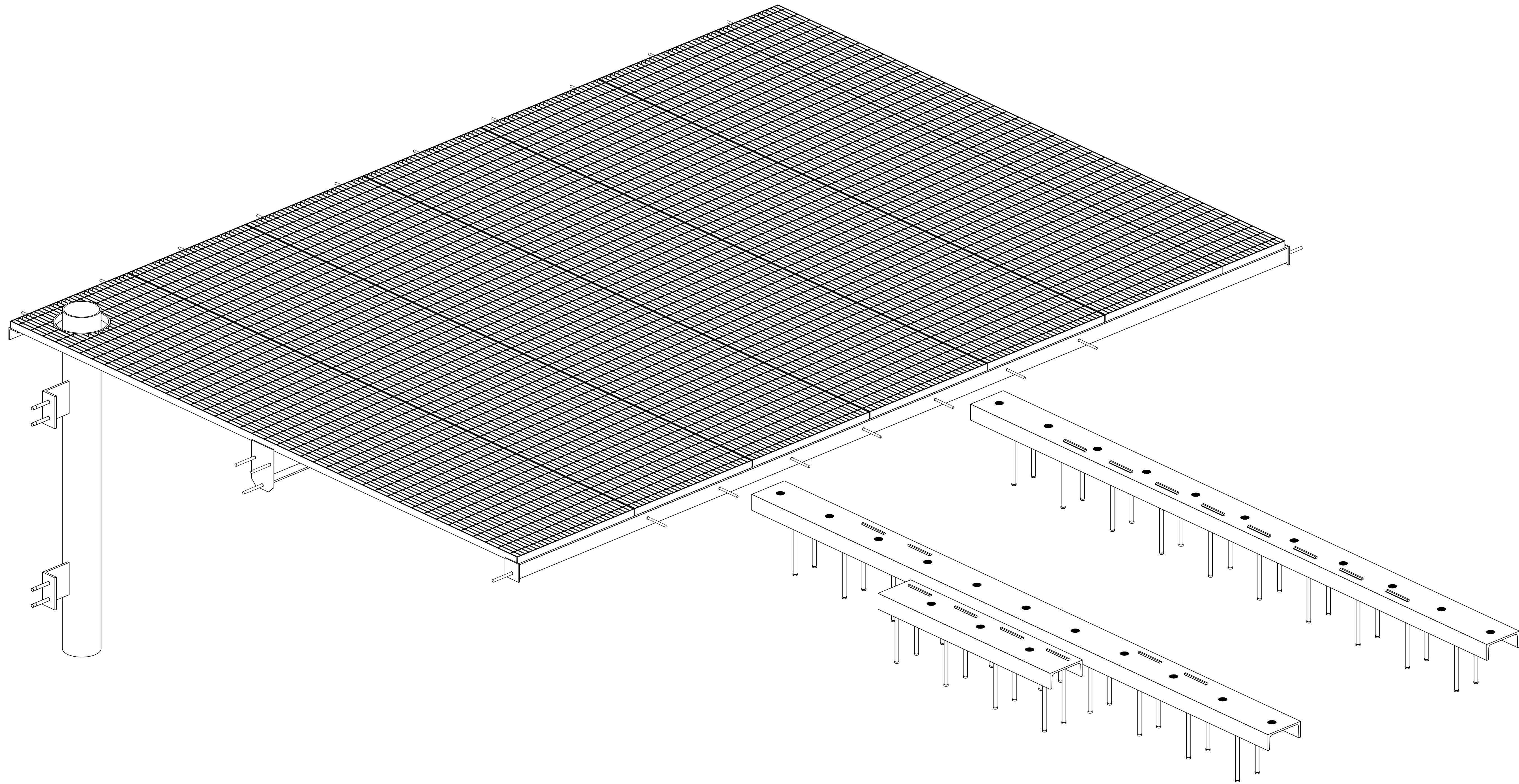


ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Field Use	ALN	06-30-22
△	For Approval	ALN	06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	WELDS: E70XX
CLEANING:		DR. BY: PKM	CHK. BY: ALN
JOB NAME: REED SUBSTATION		SCALE: N.A.	
LOCATION: ALASKA		DATE: 05-26-22	
CONTRACTOR: LINEWORKS, LLC		JOB NUMBER	SHEET NO.
DESCRIPTION: ISOMETRIC VIEW		148	V101

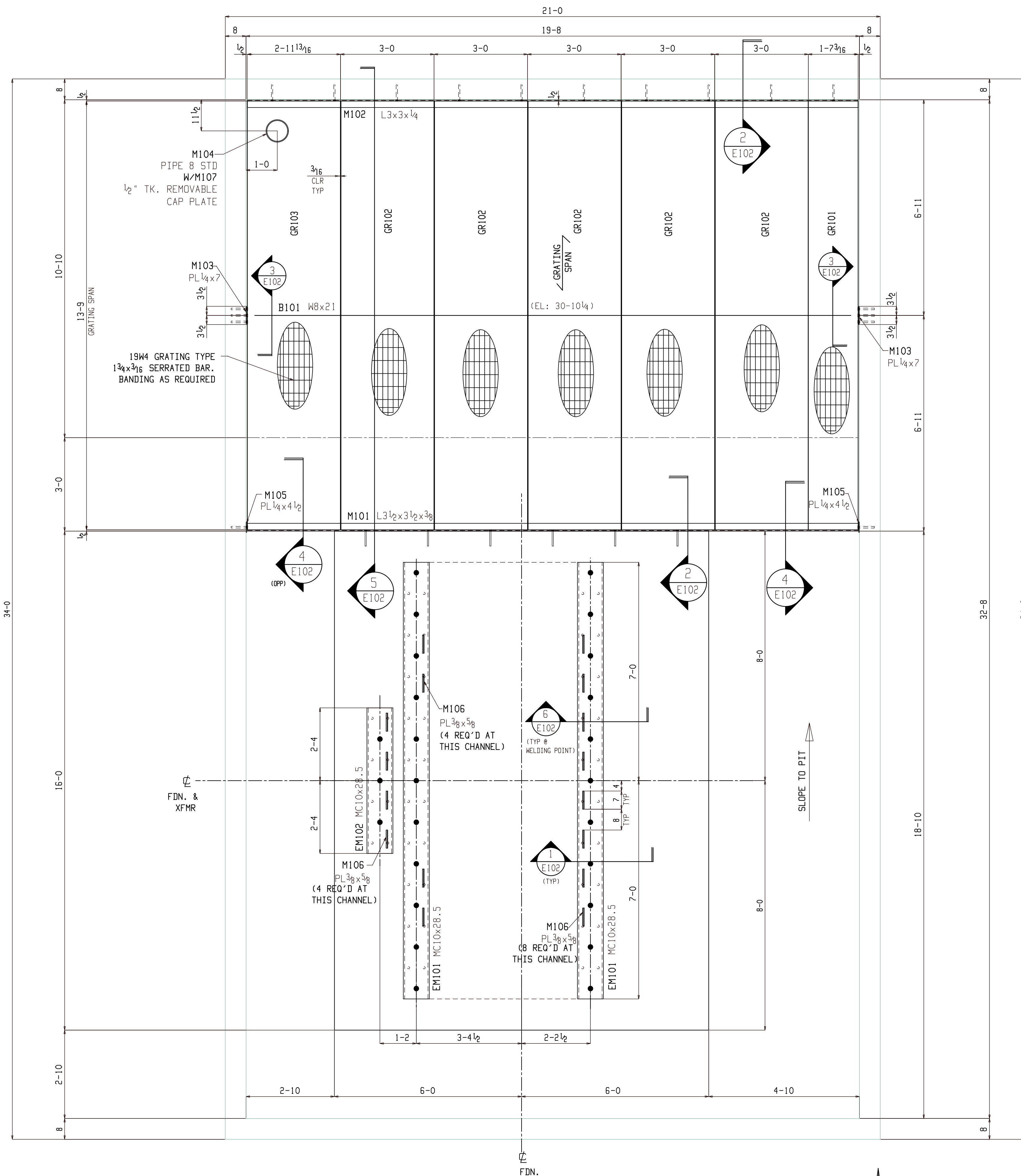


ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Field Use	ALN	06-30-22
△	For Approval	ALN	06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	
WELDS:	E70XX	CLEANING:	
JOB NAME:	REED SUBSTATION	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	LINEWORKS, LLC	SCALE:	N.A.
		DATE:	05-26-22
JOB NUMBER	148	SHEET NO.	V102
DESCRIPTION:	ISOMETRIC VIEW	REV	△

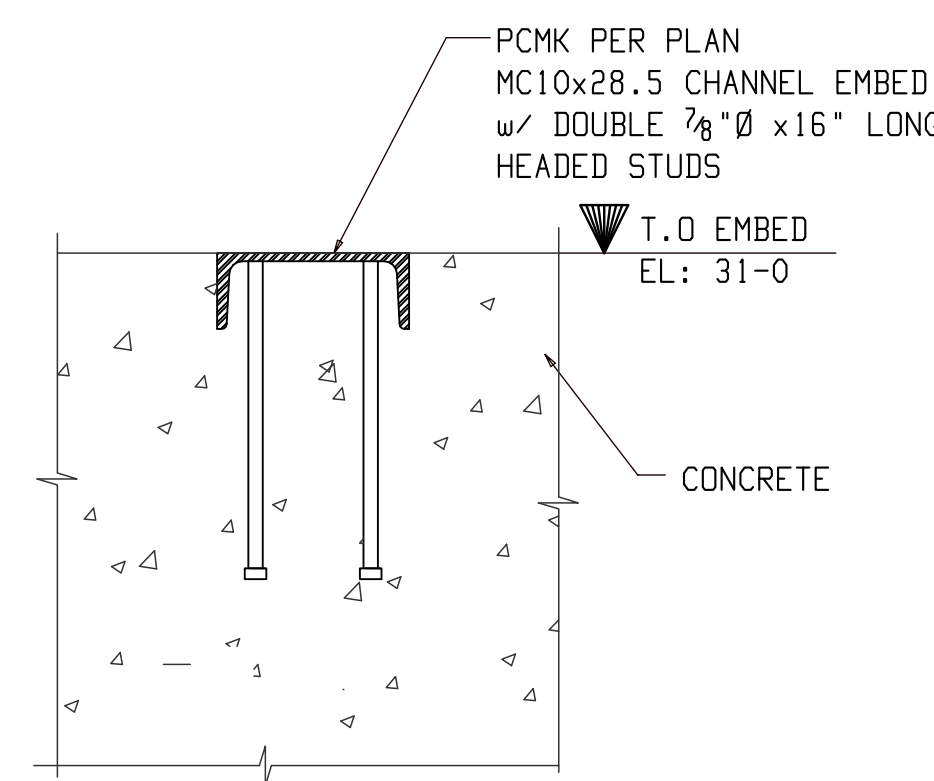


TRANSFORMER PAD AND OIL CONTAINMENT PLAN
(REF DWG: 1/RESS-SS-2000)

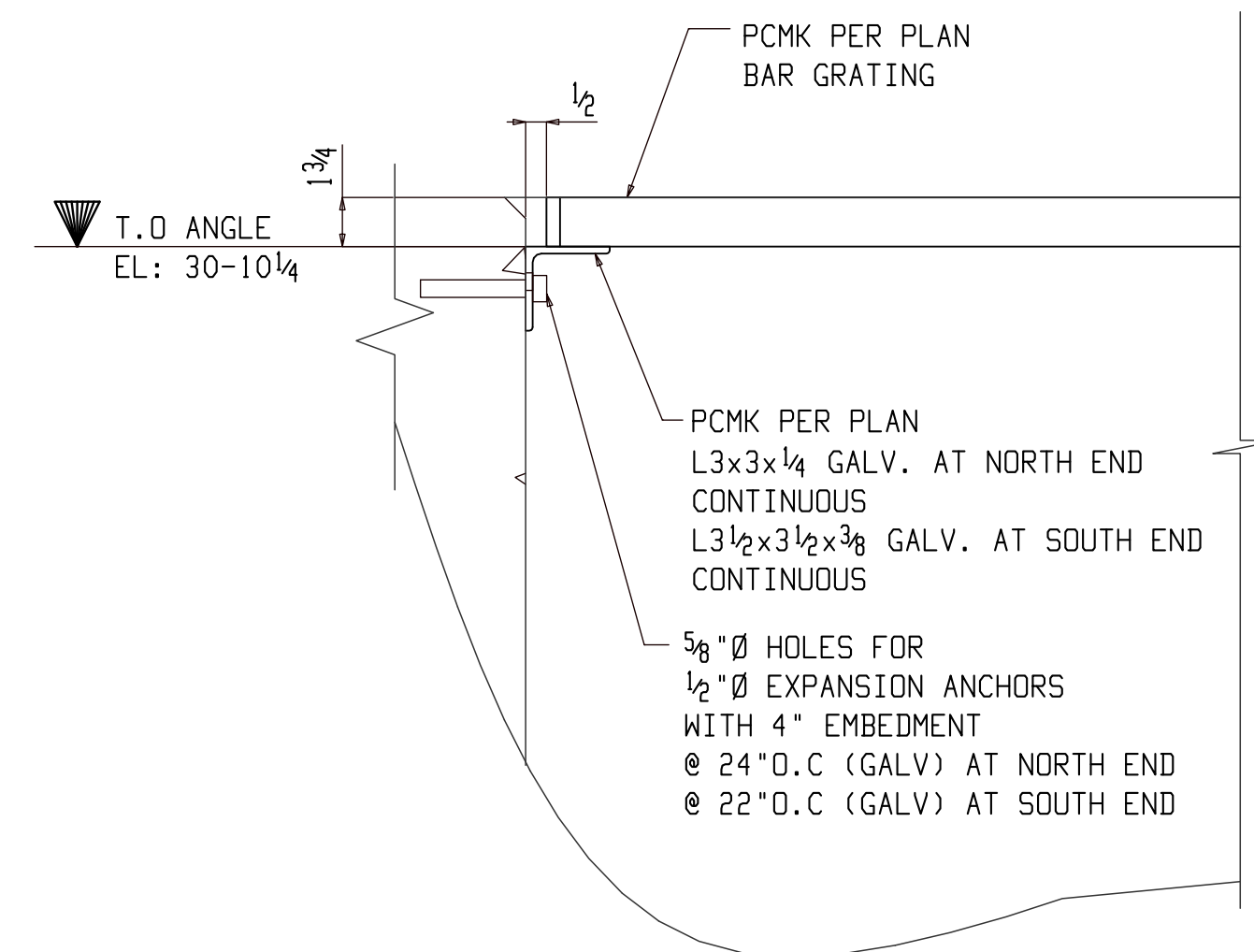


FOR FIELD USE

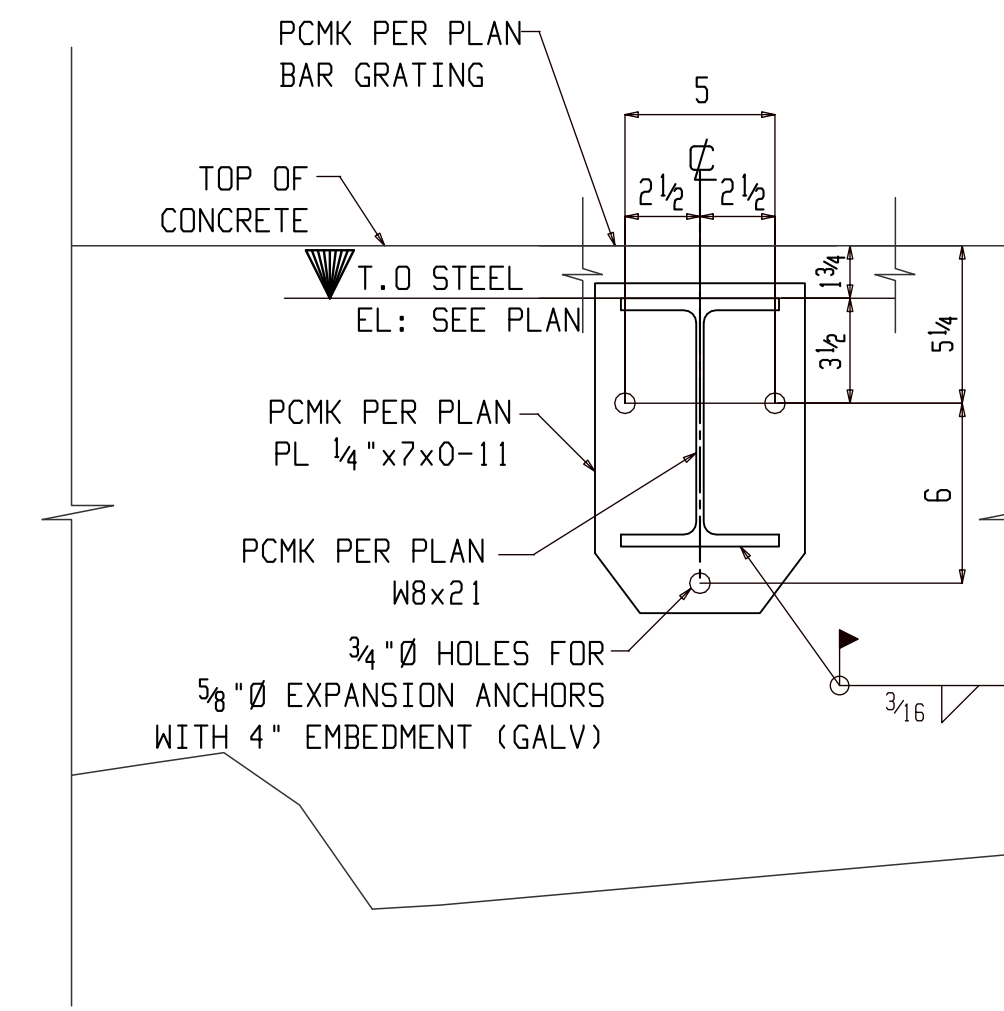
FIELD NOTES:			
REF. DWG/SPEC : RESS-SS-2000			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	06-30-22
△	For Approval	ALN	06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	WELDS: E70XX
CLEANING:		DR. BY: PKM	CHK. BY: ALN
JOB NAME: REED SUBSTATION		SCALE: N.A.	
LOCATION: ALASKA		DATE: 06-19-22	
CONTRACTOR: LINEWORKS, LLC		JOB NUMBER	SHEET NO.
DESCRIPTION: TRANSFORMER PAD AND OIL CONTAINMENT PLAN		148	E101



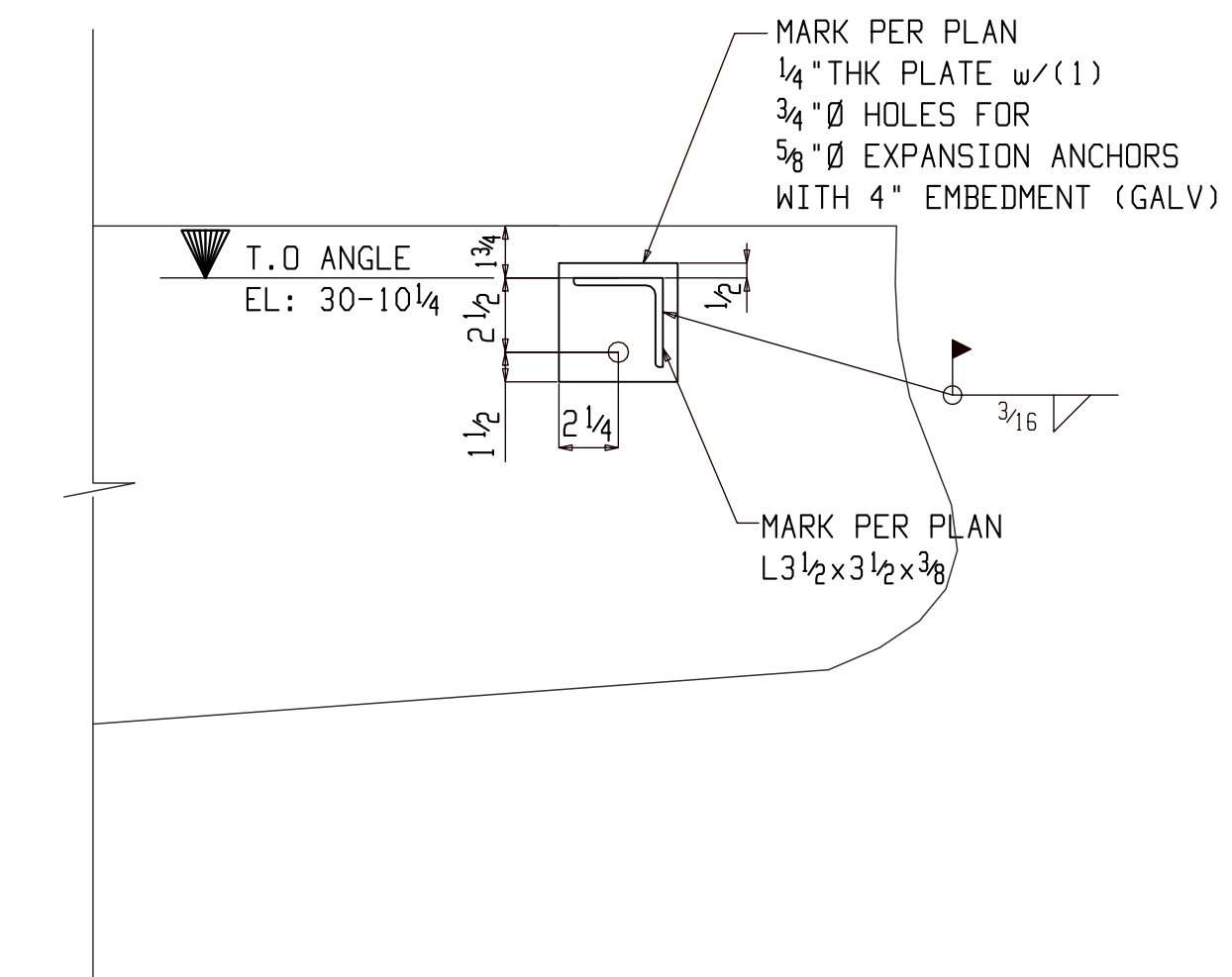
1 SECTION AT TRANSFORMER PAD
E102 (REFER: C/RESS-SS-2000)



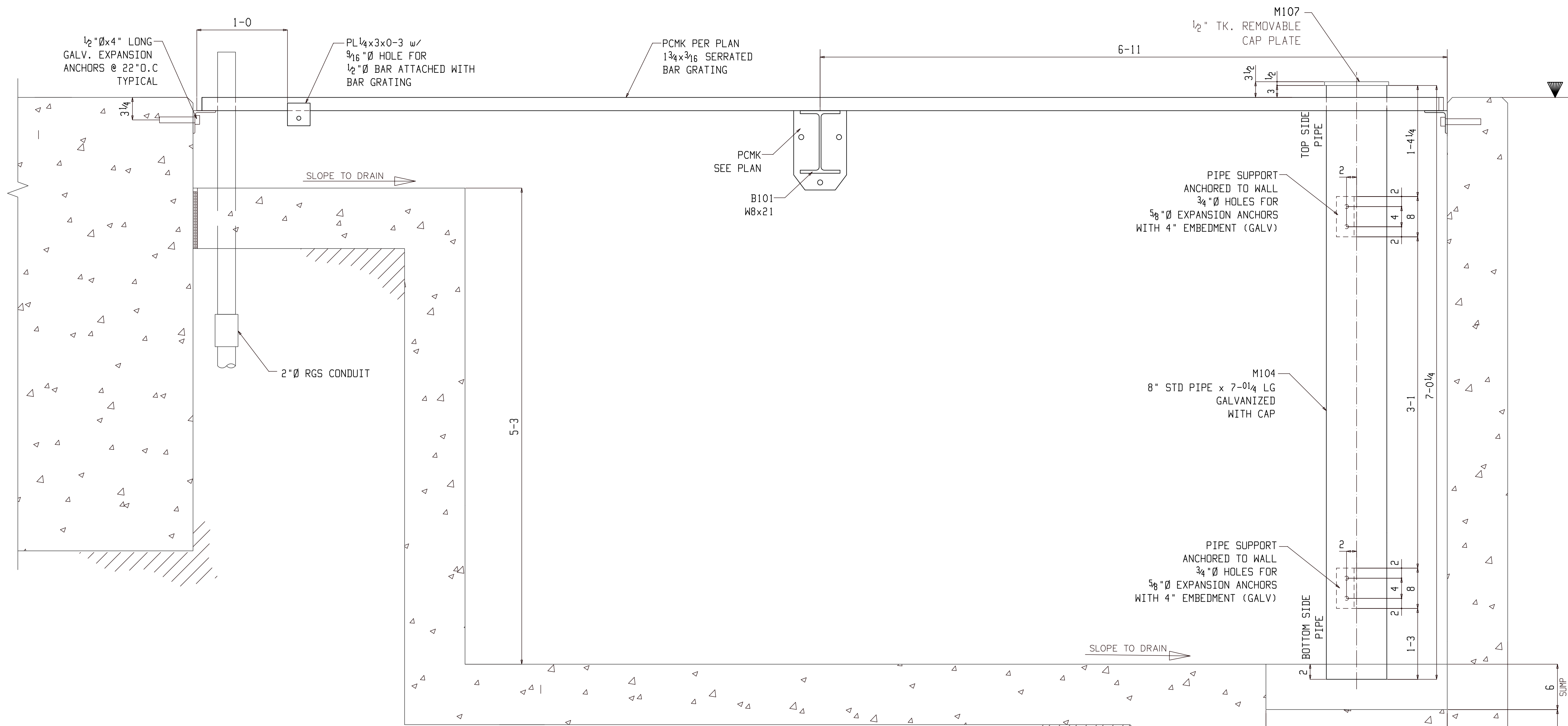
2 SECTION AT GRATING SUPPORT
E102 (REFER: D/RESS-SS-2000)



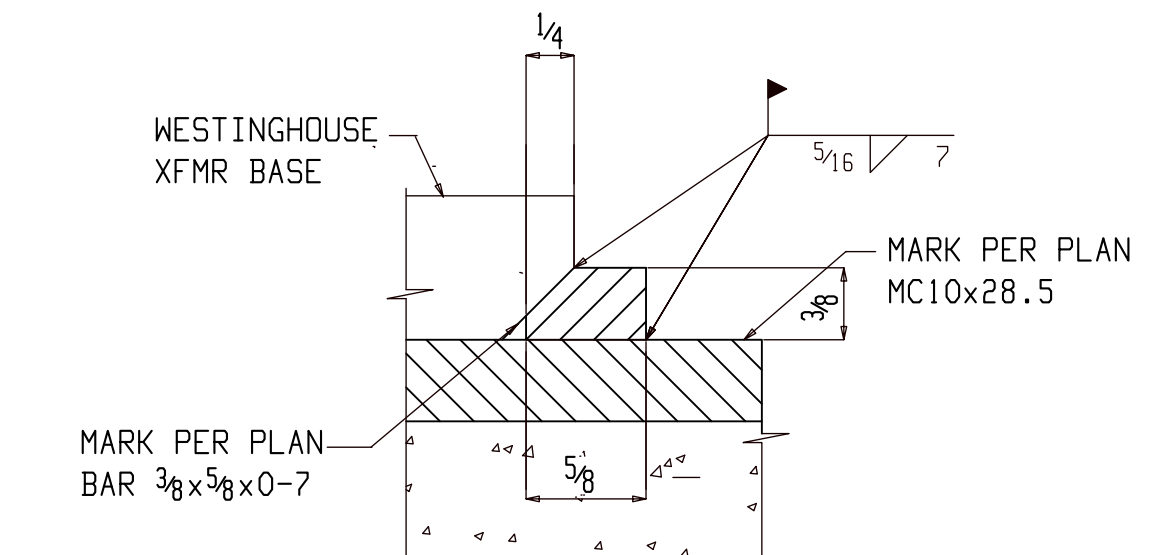
3 SECTION AT GRATING SUPPORT
E102 (REFER: D/RESS-SS-2000)



4 SECTION AT GRATING SUPPORT
E102 (REFER: D/RESS-SS-2000)



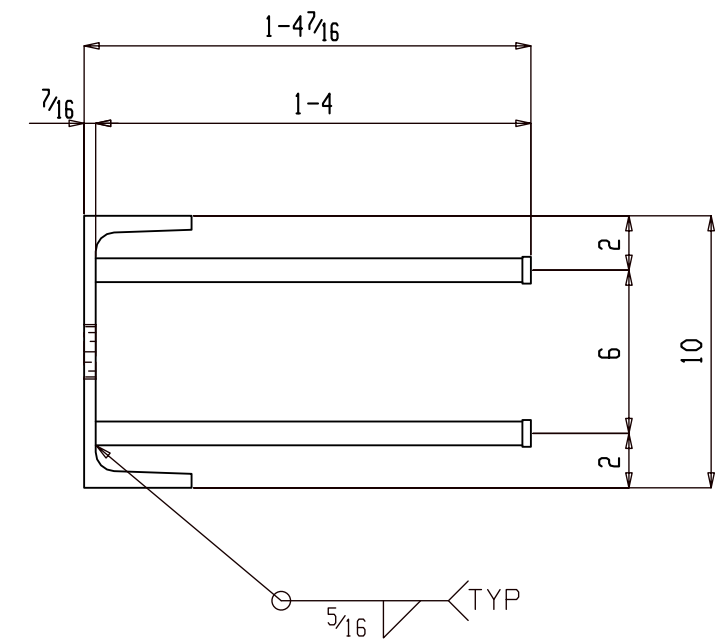
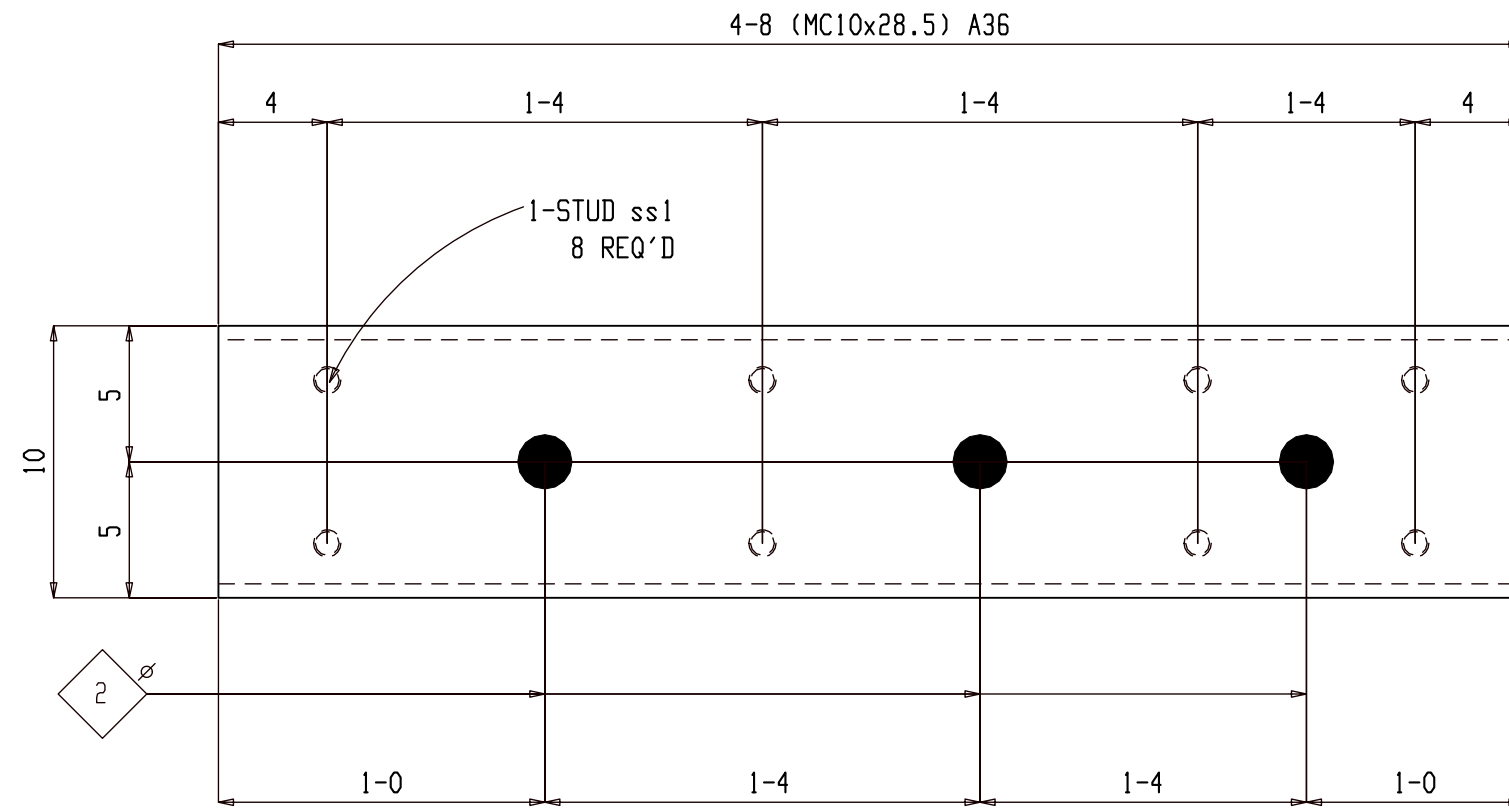
5 SECTION
E102 (REFER: A/RESS-SS-2000)



6 SECTION
E102 (REFER: 2/RESS-SS-2000)

FOR FIELD USE

FIELD NOTES:				
REF. DWG/SPEC:				
DEG REF. SPEC. / DWG:				
△	For Field Use	ALN	06-30-22	
△	For Approval	ALN	06-24-22	
REV.	DESCRIPTION	BY	DATE	
Holes U.N.	13/16Ø	PAINT U.N.	WELDS:	E70XX
CLEANING:		DR. BY:	PKM	CHK. BY:
JOB NAME:	REED SUBSTATION	SCALE:	N.A.	
LOCATION:	ALASKA	DATE:	06-19-22	
CONTRACTOR:	LINEWORKS, LLC	JOB NUMBER:	148	SHEET NO.:
DESCRIPTION:	SECTIONS	REV	E102	



ONE EMBED EM102

(E REFER: E101)

THERMAL FLAME-SPRAY ZINC COATED

FOR FABRICATION

SHOP NOTES:

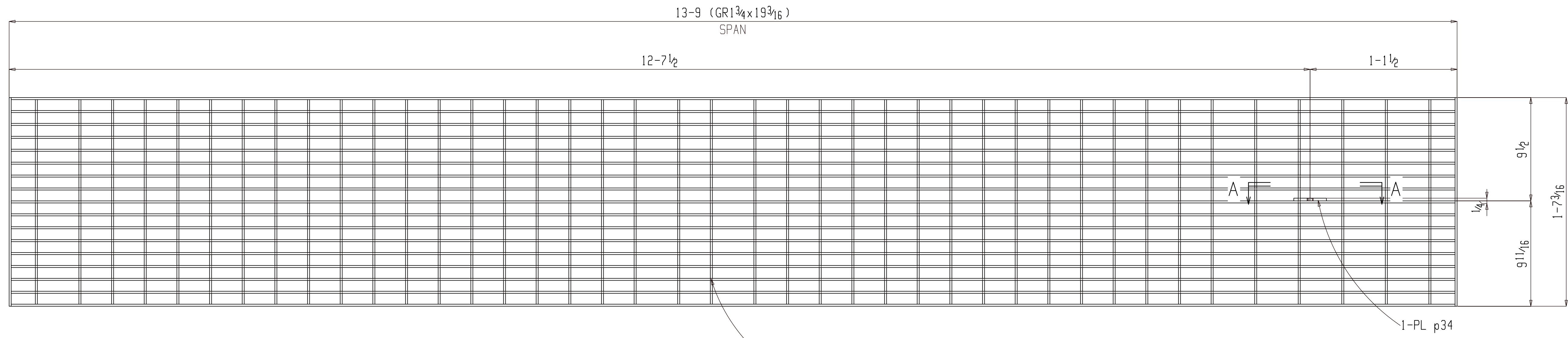
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
EM102		ONE	EMBED		THERMAL FLAME-SPRAY ZINC COATED		155
	EM102	1	MC10x28.5	4-8		A36	133
	ss1	8	WS 7/8	1-4		A108	22

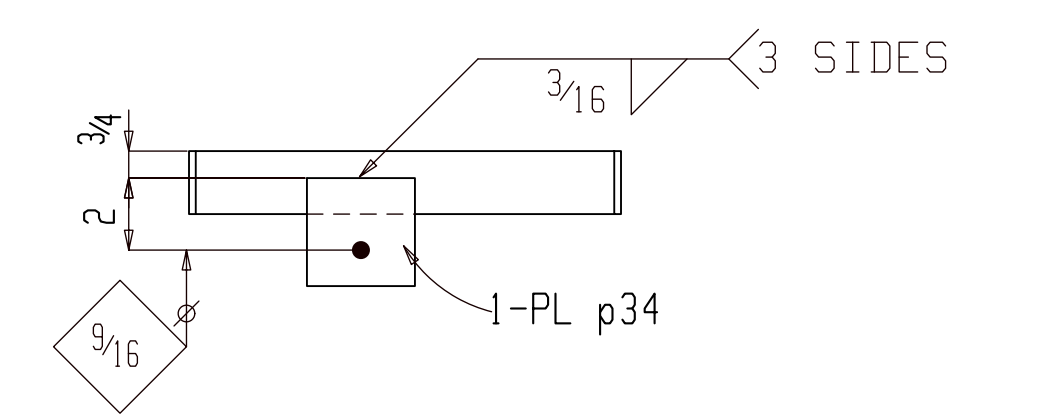
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. E PLAN : E101			
REF. DESIGN SWG : RESS-SS-2000			
△			
△	For Fabrication		ALN 06-30-22
△	For Approval		ALN 06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	ZINC COATED
WELDS:	E70XX	CLEANING:	SSPC-SP3
JOB NAME:	REED SUBSTATION	DR. BY:	AKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	LINWORKS, LLC	SCALE:	N.A.
DESCRIPTION:	EMBED DETAIL	DATE:	06-20-22
		JOB NUMBER	148
		SHEET NO.	EM102
		REV	△



19W4 GRATING TYPE
 1 3/4 x 3/16 SERRATED BAR.
 BANDING AS REQUIRED



Section A-A
 GR101

ONE SERRATED GRATING GR101

(E REFER: E101)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

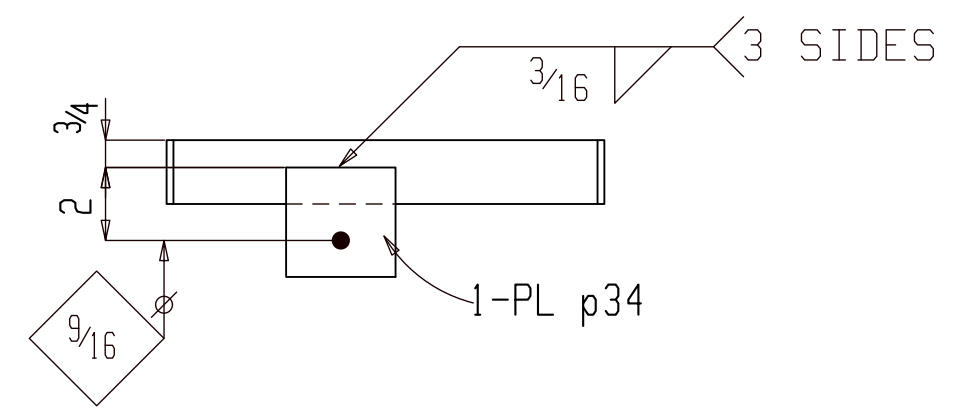
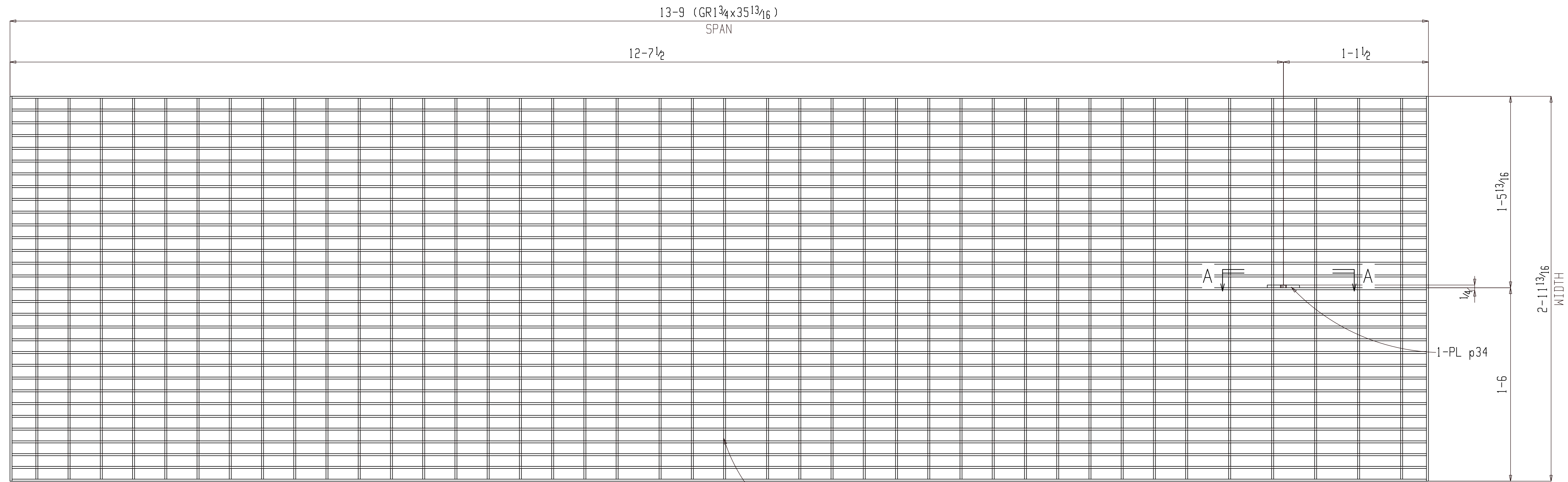
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR101		ONE	SERRATED GRATING		(GALV)		283
	GR101	1	GR1 3/4 x 19 3/16	13-9			282
	p34	1	PL 1/4 x 3	3		A36	1

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△			
△	For Fabrication	ALN	06-30-22
△	For Approval	ALN	06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
		WELDS:	E70XX
		CLEANING:	SSPC-SP3
JOB NAME: REED SUBSTATION		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: LINEWORKS, LLC		DATE: 05-26-22	
DESCRIPTION: SERRATED GRATING DETAIL	JOB NUMBER: 148	SHEET NO: GR101	REV: △



Section A-A
GR102

19W4 GRATING TYPE
1 3/4 x 3/16 SERRATED BAR.
BANDING AS REQUIRED

5 SERRATED GRATINGS GR102

(E REFER: E101)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

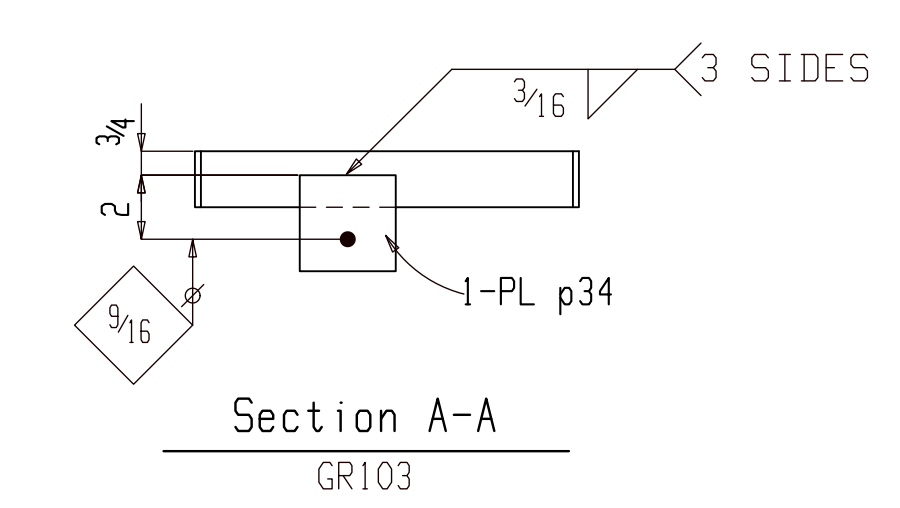
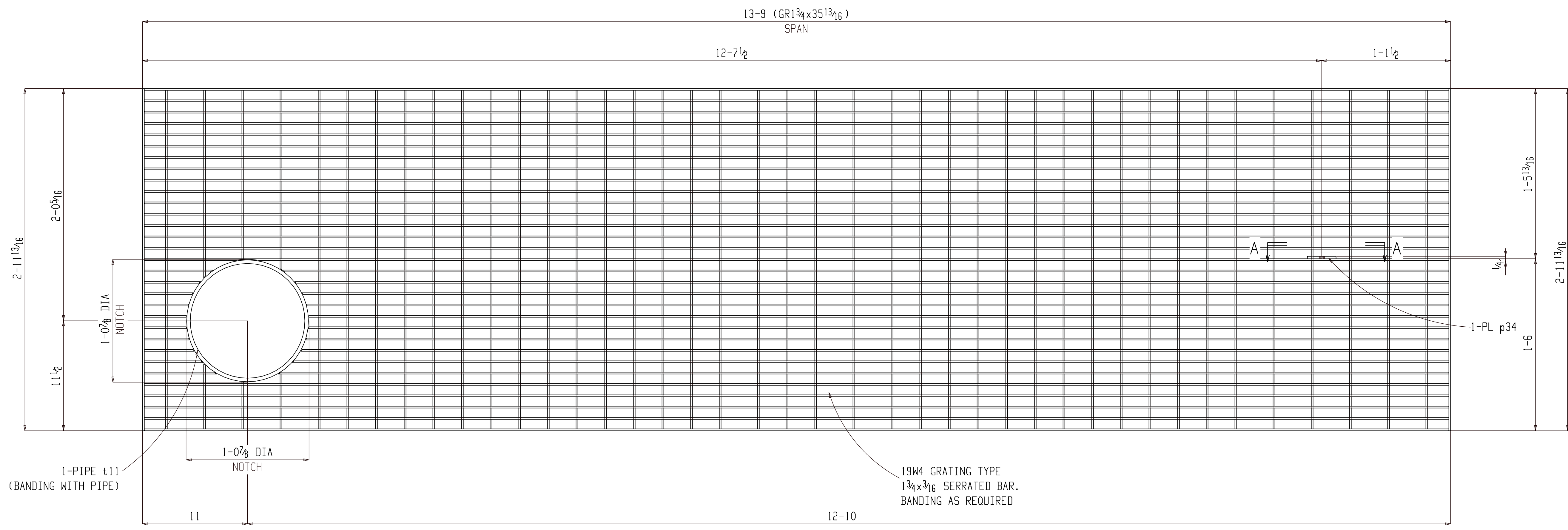
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR102		5	SERRATED GRATING		(GALV)		2580
	GR102	5	GR1 3/4 x 35 13/16	13-9			2577
	p34	5	PL 1/4 x 3	3		A36	3

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC:		
DEG REF. SPEC. / DWG:		
△	For Fabrication	ALN 06-30-22
△	For Approval	ALN 06-24-22
REV.	DESCRIPTION	BY DATE
HOLES U.N.	13/16Ø	PAIN T U.N. GALVANIZED
		WELDS: E70XX
		CLEANING: SSPC-SP3
JOB NAME:	REED SUBSTATION	DR. BY: PKM
LOCATION:	ALASKA	CHK. BY: ALN
CONTRACTOR:	LINEWORKS, LLC	SCALE: N.A.
		DATE: 05-26-22
DESCRIPTION:	SERRATED GRATING DETAIL	JOB NUMBER 148
		SHEET NO. GR102
		REV. △



ONE SERRATED GRATING GR103

(E REFER: E101)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

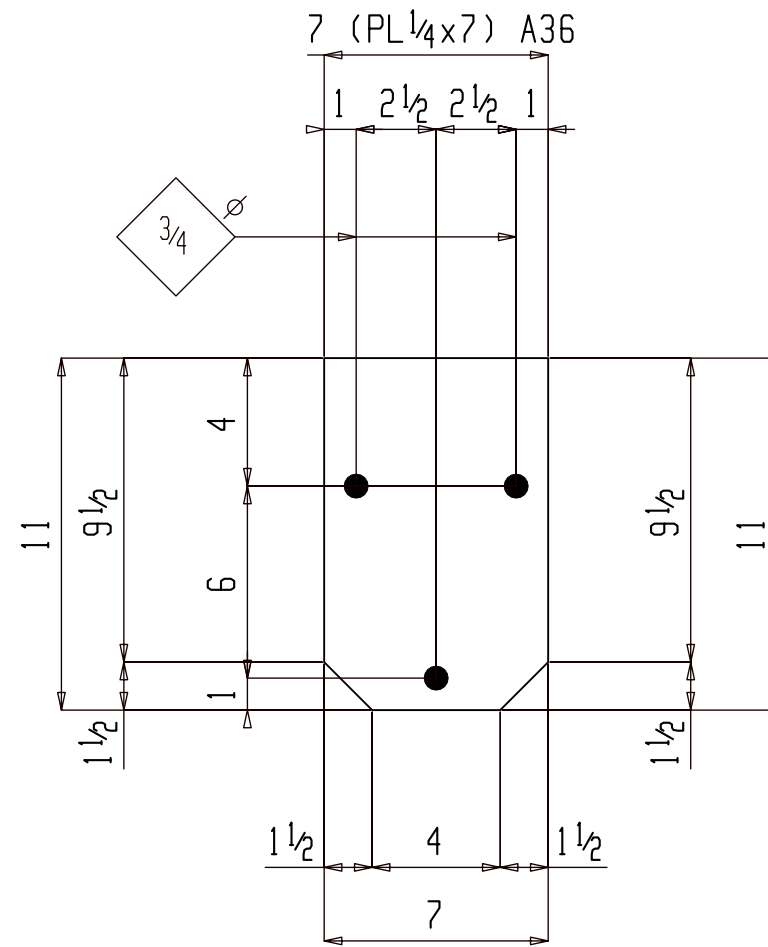
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR103		ONE	SERRATED GRATING		(GALV)		523
	GR103	1	GR1 3/4 x 35 13/16	13-9			515
	p34	1	PL 1/4 x 3	3		A36	1
	t11	1	PIPE 12 STD	1 3/4		A53B	7

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	06-30-22
△	For Approval	ALN	06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
		WELDS:	E70XX
		CLEANING:	SSPC-SP3
JOB NAME:	REED SUBSTATION	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	LINEWORKS, LLC	SCALE:	N.A.
		DATE:	05-26-22
JOB NUMBER	148	SHEET NO.	GR103
DESCRIPTION:	SERRATED GRATING DETAIL	REV	△



2 PLATES M103

(E REFER: E101)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

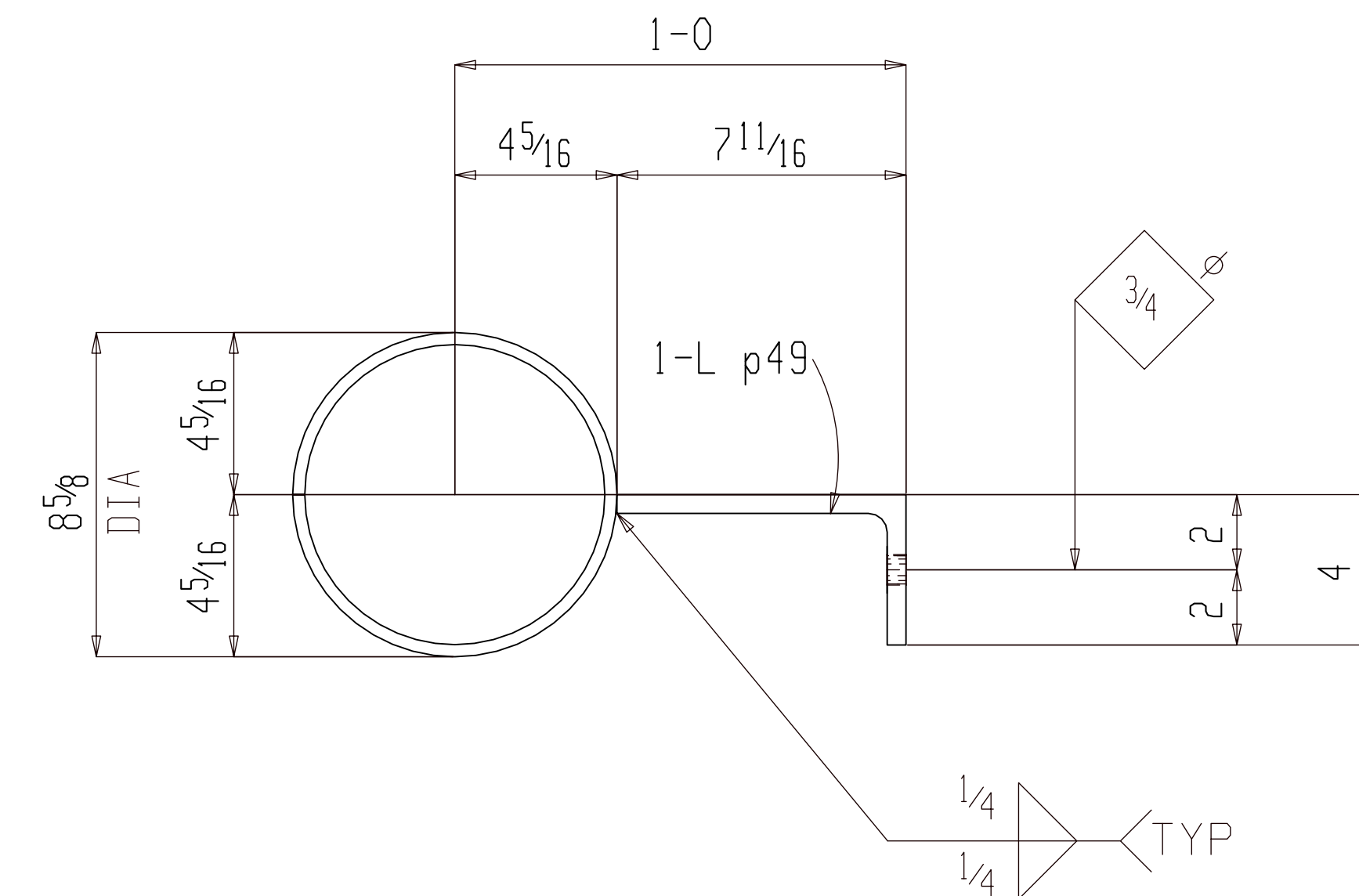
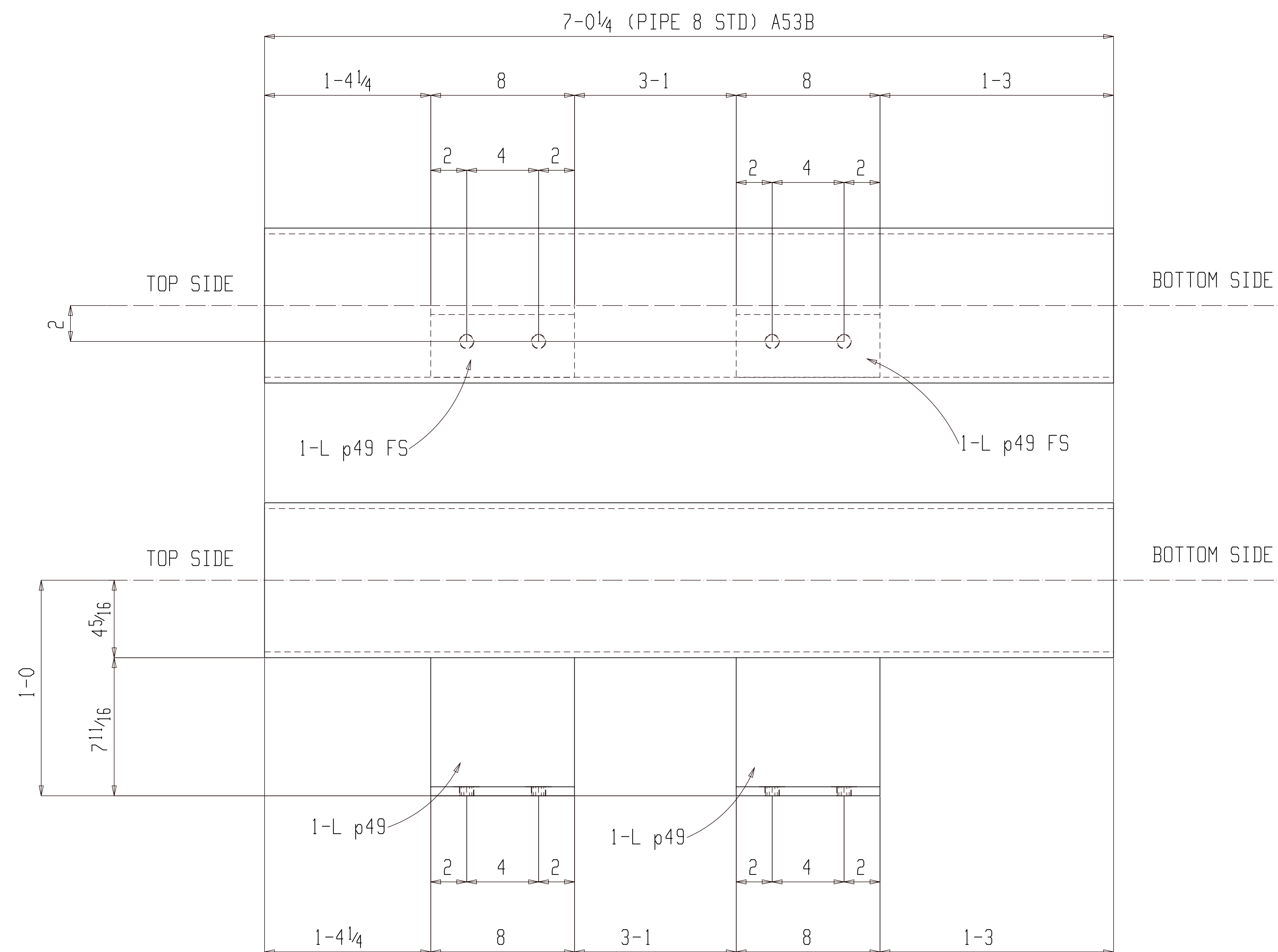
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M103		2	PLATE		(GALV)		11
	M103	2	PL 1/4x7	11		A36	11
			FIELD BOLTS				
		6	5/8 Dia EXPANSION ANCHOR	6	(GALV) (4" EMBED)		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. E PLAN : E101			
REF. DESIGN SWG : RESS-SS-2000			
△			
△			
△	For Fabrication		ALN 06-30-22
△	For Approval		ALN 06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING: SSPC-SP3			
JOB NAME: REED SUBSTATION		DR. BY: PKM CHK. BY: ALN	
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: LINEWORKS, LLC		DATE: 06-20-22	
DESCRIPTION: PLATE DETAIL		JOB NUMBER 148	SHEET NO. M103
		REV	△



ONE SUMP PIT PIPE M104

(E REFER: E101)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

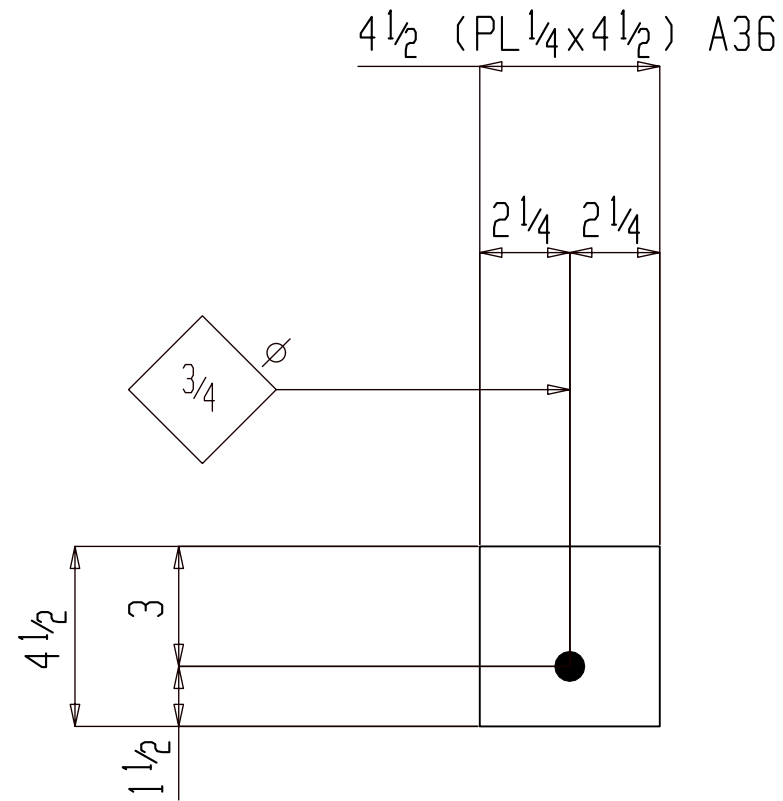
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M104		ONE	SUMP PIT PIPE		(GALV)		227
	M104	1	PIPE 8 STD	7'-0 1/4		A53B	201
	p49	2	L8x4x 1/2	8		A36	26
		4	5/8 Dia EXPANSION ANCHOR	6	(GALV) (4" EMBED)		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△			
△	For Fabrication		ALN 06-30-22
△	For Approval		ALN 06-24-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED
		WELDS:	E70XX
		CLEANING:	SSPC-SP3
JOB NAME:	REED SUBSTATION	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	LINEWORKS, LLC	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	SUMP PIT PIPE DETAIL	JOB NUMBER:	148
		SHEET NO.:	M104
		REV:	△



2 PLATES M105

(E REFER: E101)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

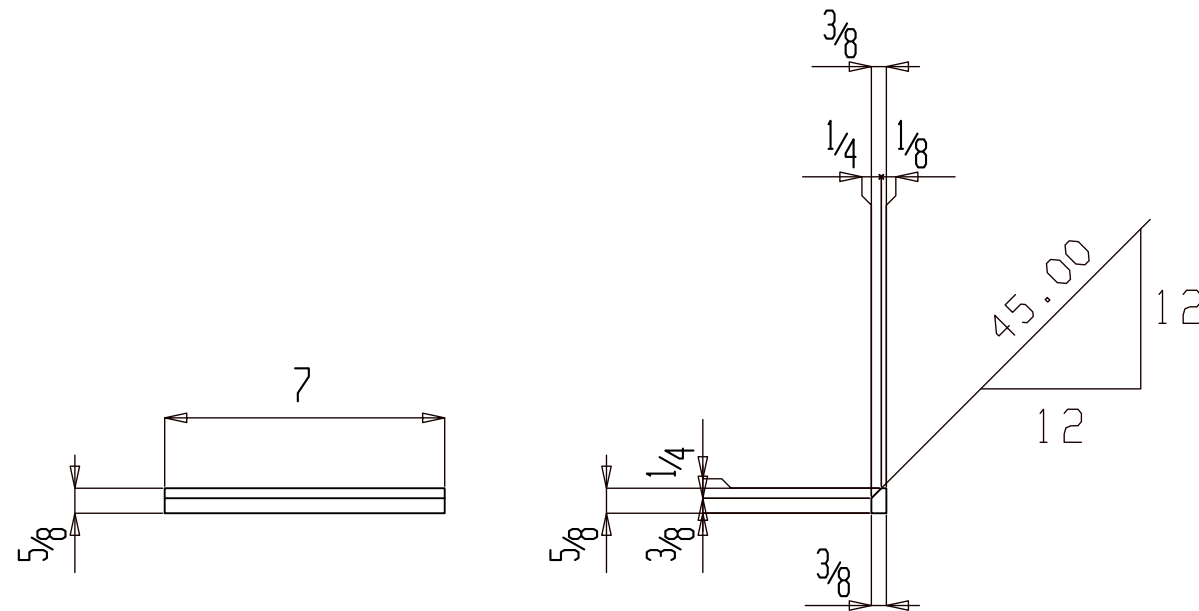
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M105		2	PLATE		(GALV)		3
	M105	2	PL 1/4x4 1/2	4 1/2		A36	3
			FIELD BOLTS				
		2	5/8 Dia EXPANSION ANCHOR	6	(GALV) (4" EMBED)		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. E PLAN : E101											
REF. DESIGN SWG : RESS-SS-2000											
△											
△											
△	For Fabrication		ALN 06-30-22								
△	For Approval		ALN 06-24-22								
REV.	DESCRIPTION	BY	DATE								
<table border="1"> <tr> <td>HOLES U.N.</td> <td>13/16Ø</td> <td>PAINT U.N.</td> <td>GALVANIZED</td> <td>WELDS:</td> <td>E70XX</td> <td>CLEANING:</td> <td>SSPC-SP3</td> </tr> </table>				HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP3
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP3				
JOB NAME: REED SUBSTATION			DR. BY: PKM	CHK. BY: ALN							
LOCATION: ALASKA			SCALE: N.A.								
CONTRACTOR: LINEWORKS, LLC			DATE: 06-20-22								
DESCRIPTION: PLATE DETAIL		JOB NUMBER	SHEET NO.	REV							
		148	M105	△							



16 BARS M106

(E REFER: E101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

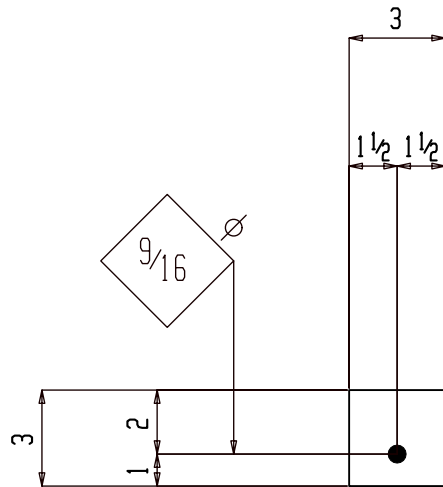
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M106		16	BAR				7
	M106	16	PL 3/8 x 5/8	7		A36	7

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. E PLAN : E101					
REF. DESIGN SWG : RESS-SS-2000					
△					
△					
△	For Fabrication			ALN	06-30-22
△	For Approval			ALN	06-24-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
				CLEANING:	SSPC-SP3
JOB NAME:	REED SUBSTATION			DR. BY:	PKM
LOCATION:	ALASKA			CHK. BY:	ALN
CONTRACTOR:	LINEWORKS, LLC			SCALE:	N.A.
				DATE:	06-20-22
DESCRIPTION:	BAR DETAIL	JOB NUMBER	148	SHEET NO.	M106
				REV	△



7 PL 1/4 x 3 x 0-3 p34

GRADE: A36

NO PAINT

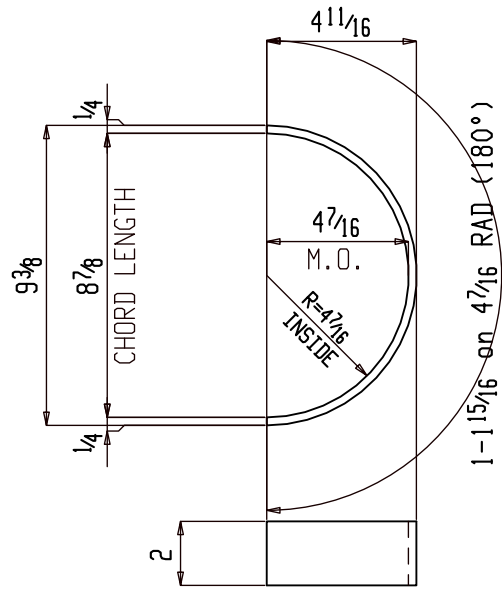
1	GR103
5	GR102
1	GR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16 \varnothing

JOB NAME:	REED SUBSTATION	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	LINEWORKS, LLC	DATE: 06-20-22			
DESCRIPTION:	PIPE	JOB NUMBER	SHEET NO.	REV	
		148	p34		\varnothing

△			
△			
△			
△	For Fabrication	ALN	06-30-22
REV.	DESCRIPTION	BY	DATE



2 PL 1/4x2x1-15/16 p46

GRADE: A36

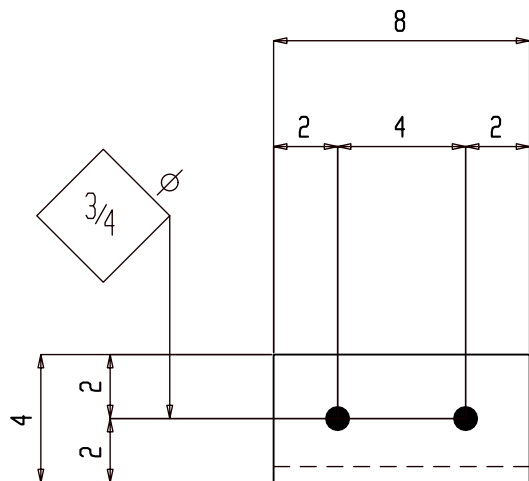
NO PAINT

2	M107
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø		DR. BY: PKM		CHK. BY: ALN	
JOB NAME: REED SUBSTATION		SCALE: N.A.			
LOCATION: ALASKA		DATE: 06-20-22			
CONTRACTOR: LINEWORKS, LLC		JOB NUMBER	SHEET NO.	REV	
DESCRIPTION: PIPE		148	p46	△ ₀	

REV.	DESCRIPTION	BY	DATE
△ ₀	For Fabrication	ALN	06-30-22
△			
△			
△			



2 L8x4x1/2x0-8 p49

GRADE: A36

NO PAINT

2	M104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: REED SUBSTATION

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: LINEWORKS, LLC

DATE: 06-20-22

For Fabrication

ALN 06-30-22

JOB NUMBER | SHEET NO. | REV

REV. DESCRIPTION

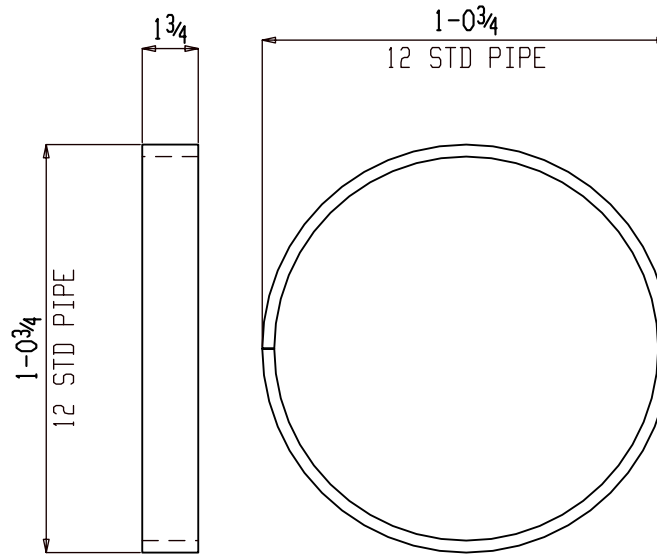
BY DATE

DESCRIPTION: PIPE

148

p49

0



ONE PIPE 12 STDx0-1³/₄ t11

GRADE: A53B

NO PAINT

1	GR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	REED SUBSTATION	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	LINEWORKS, LLC	DATE: 06-20-22			
DESCRIPTION:	PIPE	JOB NUMBER	148	SHEET NO.	t11
					REV 0

△			
△			
△			
△			
△	For Fabrication	ALN	06-30-22
REV.	DESCRIPTION	BY	DATE