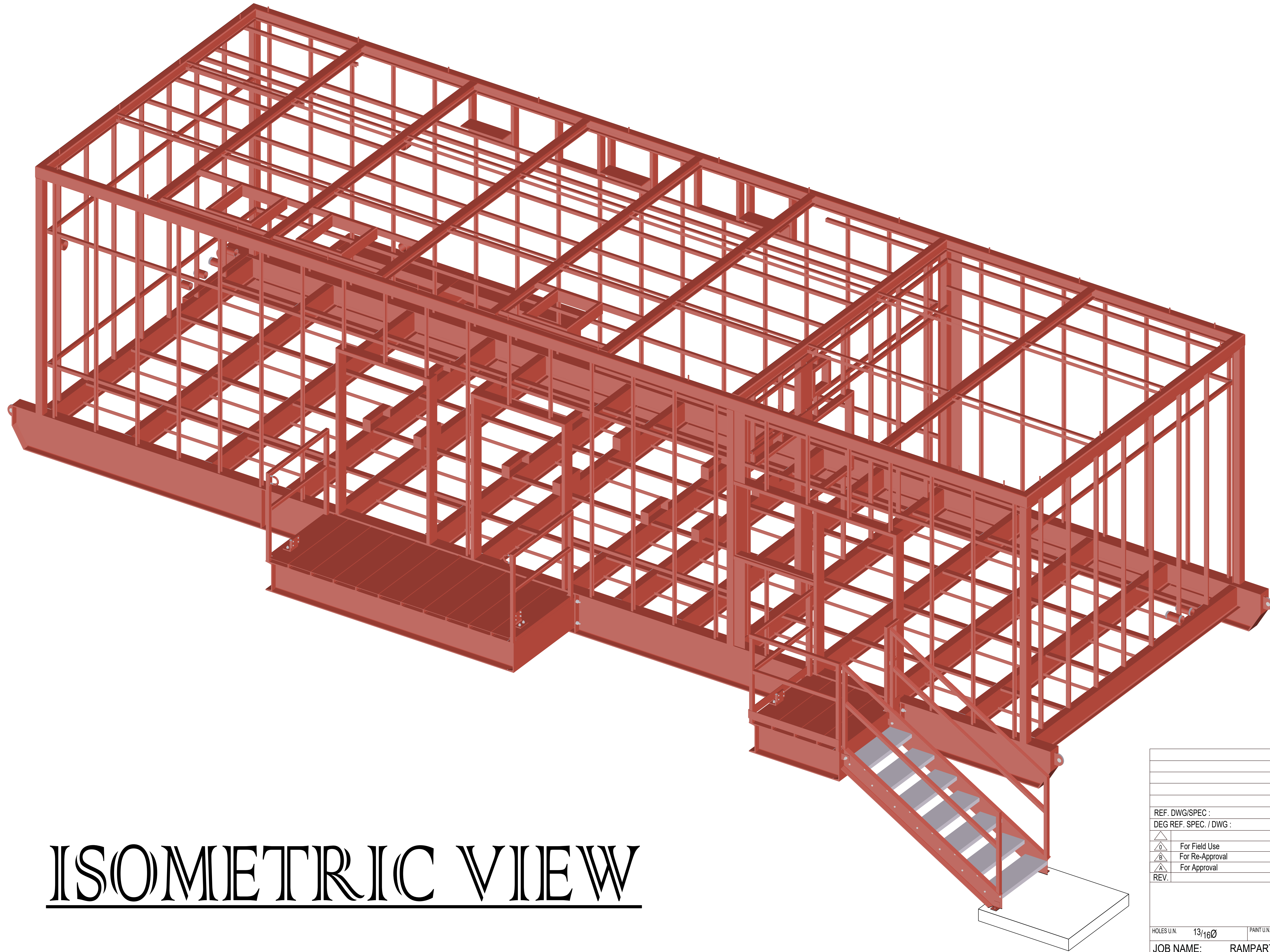


ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	WELDS: E70XX
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: ISOMETRIC VIEW	JOB NUMBER: 459	SHEET NO.: V101	REV: △

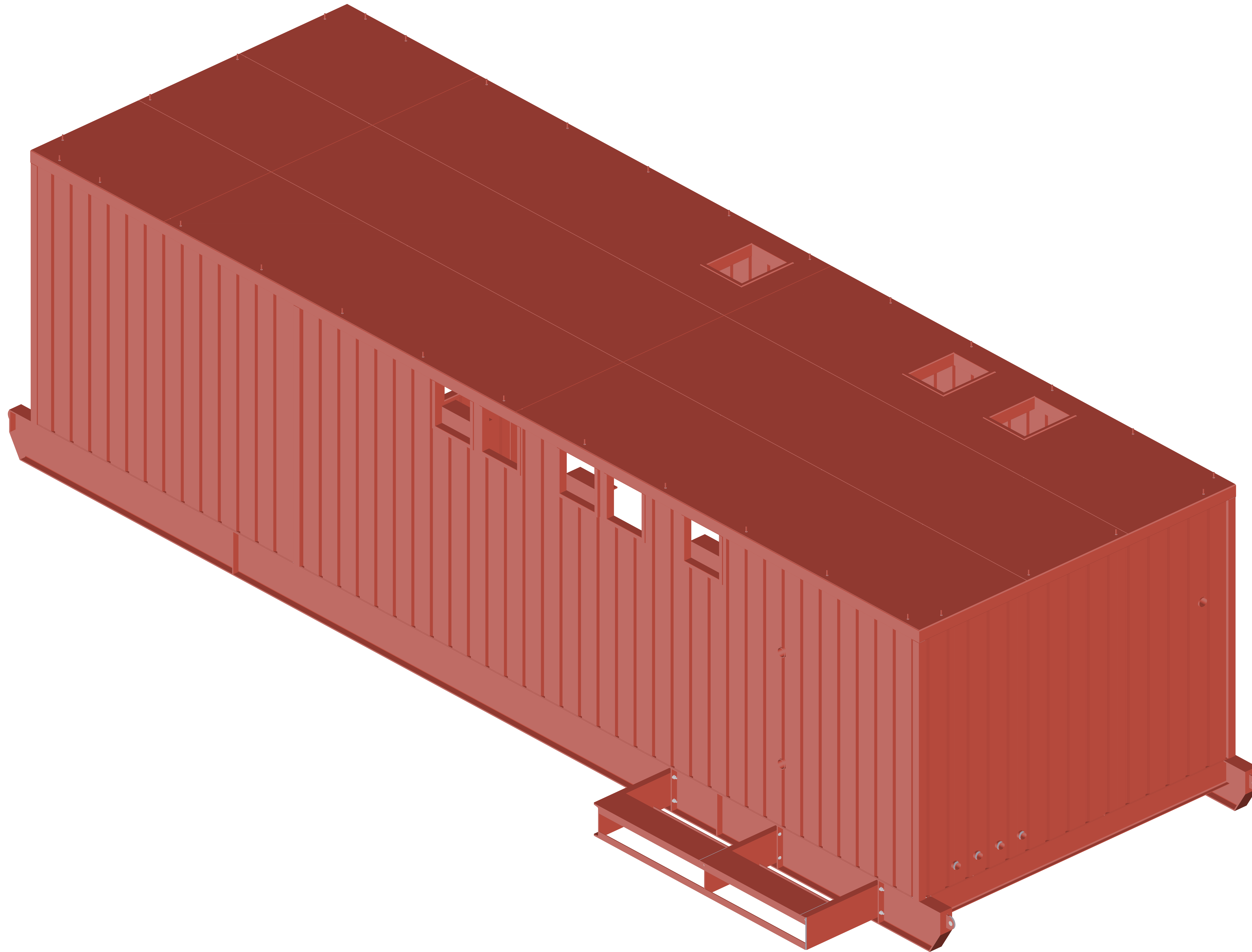


ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :																																											
DEG REF. SPEC. / DWG :																																											
△	For Field Use	ALN	07-18-22																																								
△	For Re-Approval	ALN	07-04-22																																								
△	For Approval	ALN	06-20-22																																								
REV.	DESCRIPTION	BY	DATE																																								
<table border="1"> <tr> <td>HOLES U.N.</td> <td>13/16Ø</td> <td>PAINT U.N.</td> <td></td> <td>WELDS:</td> <td>E70XX</td> <td>CLEANING:</td> <td></td> </tr> <tr> <td>JOB NAME:</td> <td colspan="3">RAMPART POWER SYSTEM UPGRADE</td> <td>DR. BY:</td> <td>PKM</td> <td>CHK. BY:</td> <td>ALN</td> </tr> <tr> <td>LOCATION:</td> <td colspan="3">ALASKA</td> <td>SCALE:</td> <td colspan="3">N.A.</td> </tr> <tr> <td>CONTRACTOR:</td> <td colspan="3">ALASKA ENERGY AUTHORITY</td> <td>DATE:</td> <td colspan="3">05-26-22</td> </tr> <tr> <td>DESCRIPTION:</td> <td>ISOMETRIC VIEW</td> <td>JOB NUMBER</td> <td>459</td> <td>SHEET NO.</td> <td>V102</td> <td>REV</td> <td>△</td> </tr> </table>				HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:		JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN	LOCATION:	ALASKA			SCALE:	N.A.			CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22			DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V102	REV	△
HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:																																					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN																																				
LOCATION:	ALASKA			SCALE:	N.A.																																						
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22																																						
DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V102	REV	△																																				



ISOMETRIC VIEW

FOR FIELD USE

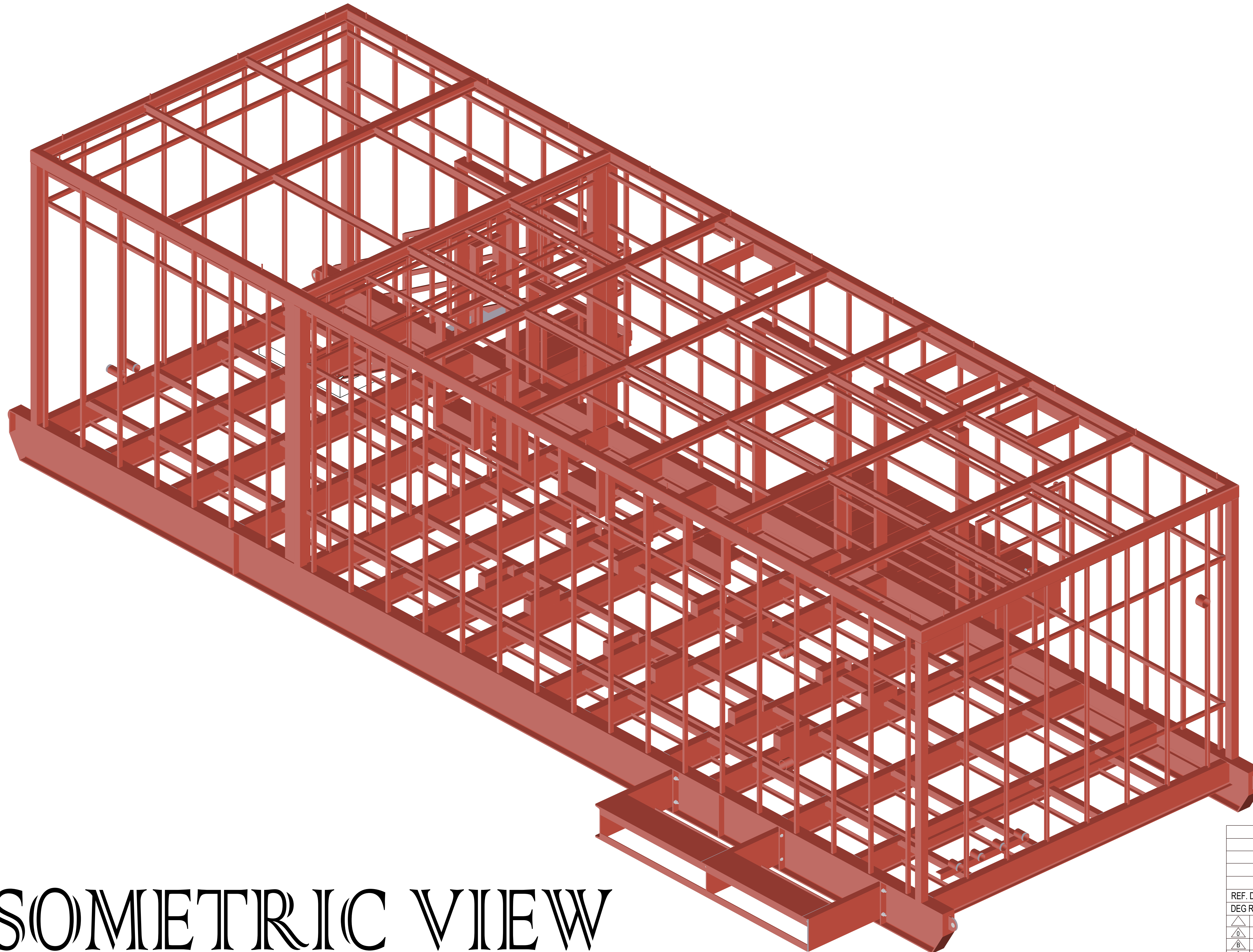
FIELD NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	PAINT U.N.	WELDS:	CLEANING:
13/16Ø		E70XX	
JOB NAME: RAMPART POWER SYSTEM UPGRADE			DR. BY: PKM CHK. BY: ALN
LOCATION: ALASKA			SCALE: N.A.
CONTRACTOR: ALASKA ENERGY AUTHORITY			DATE: 05-26-22
DESCRIPTION: ISOMETRIC VIEW	JOB NUMBER: 459	SHEET NO.: V103	REV: △



ISOMETRIC VIEW

FOR FIELD USE

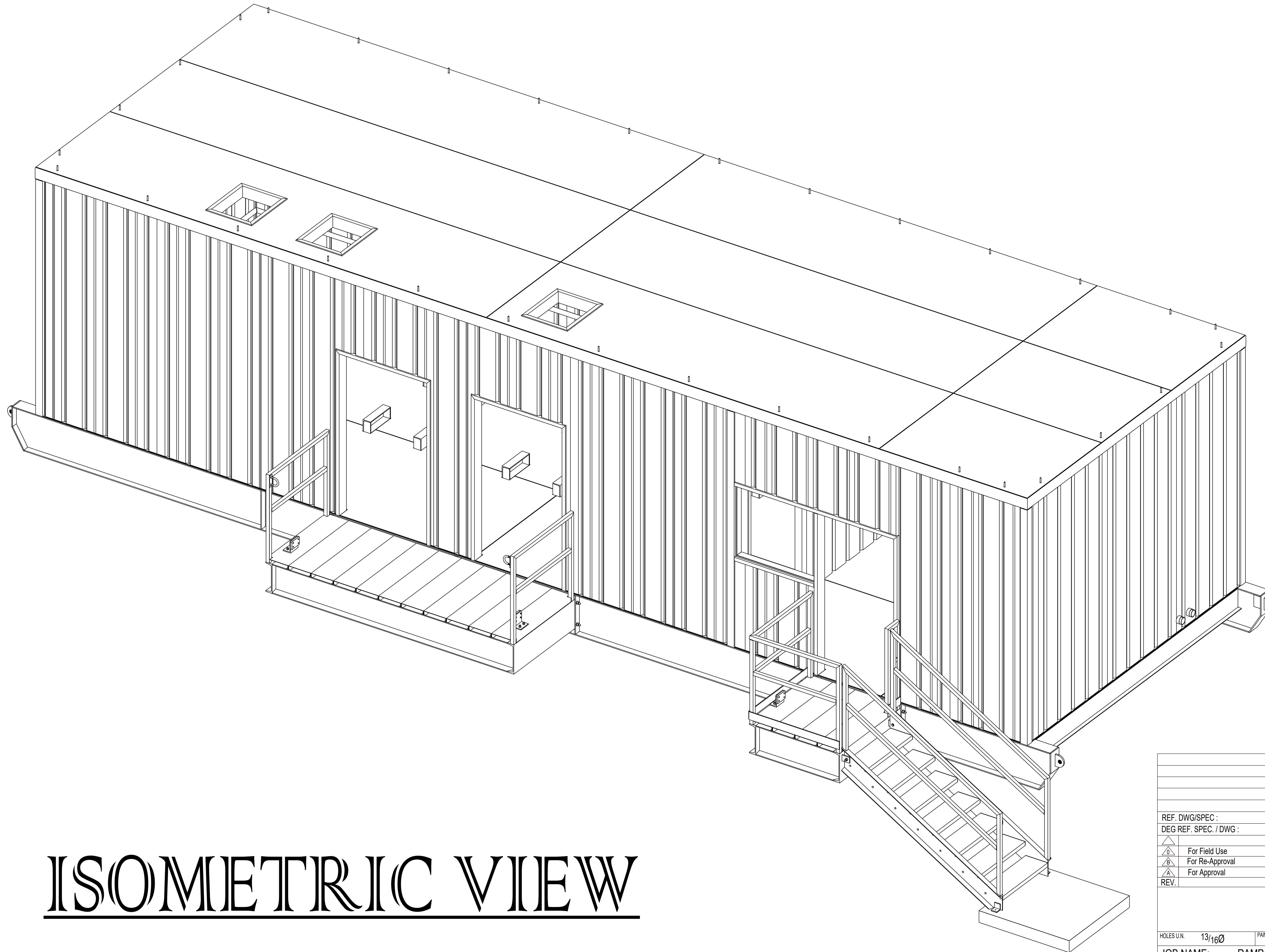
FIELD NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V104	REV	△

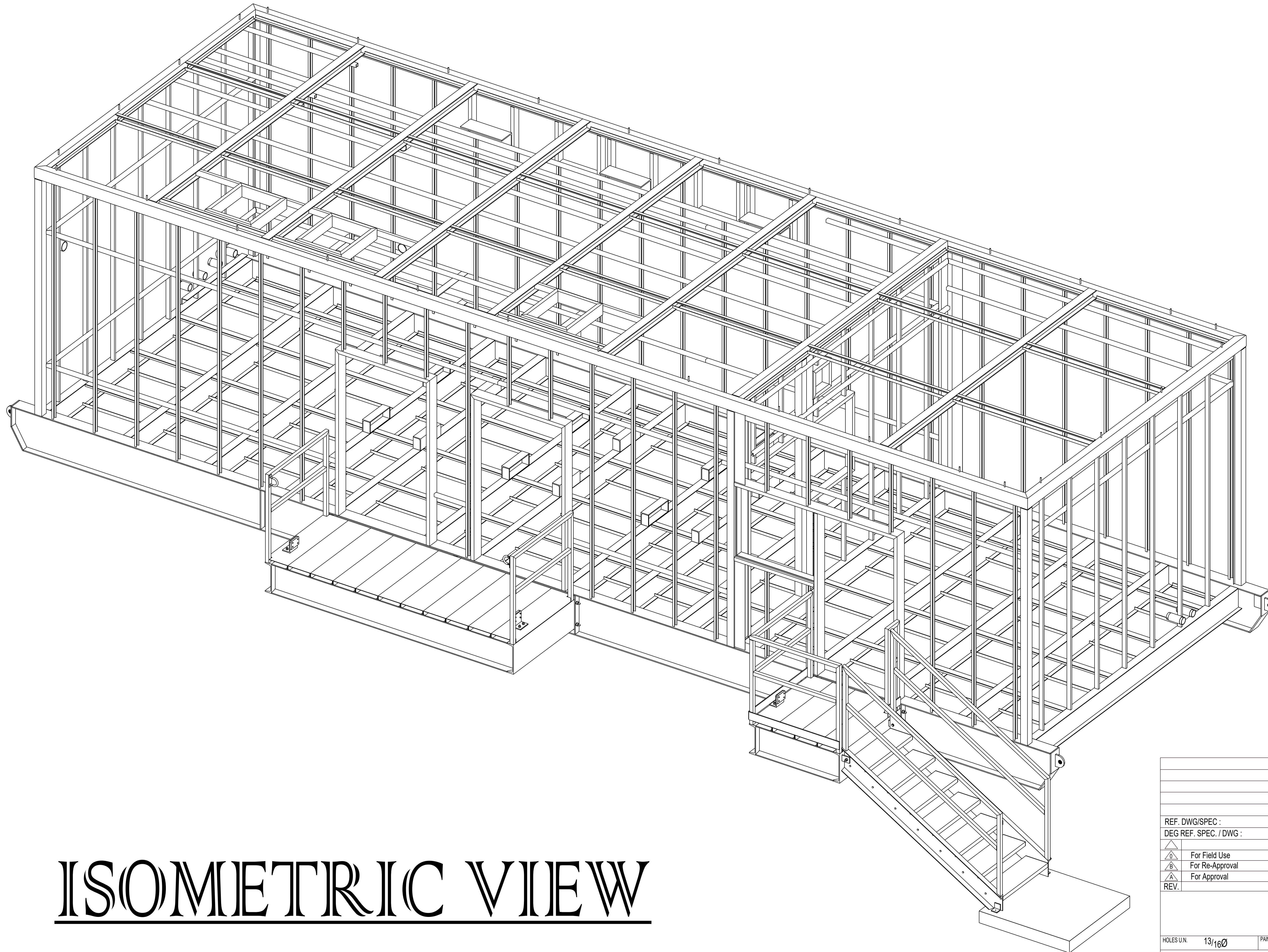


ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: ISOMETRIC VIEW	JOB NUMBER: 459	SHEET NO.: V105	REV: △



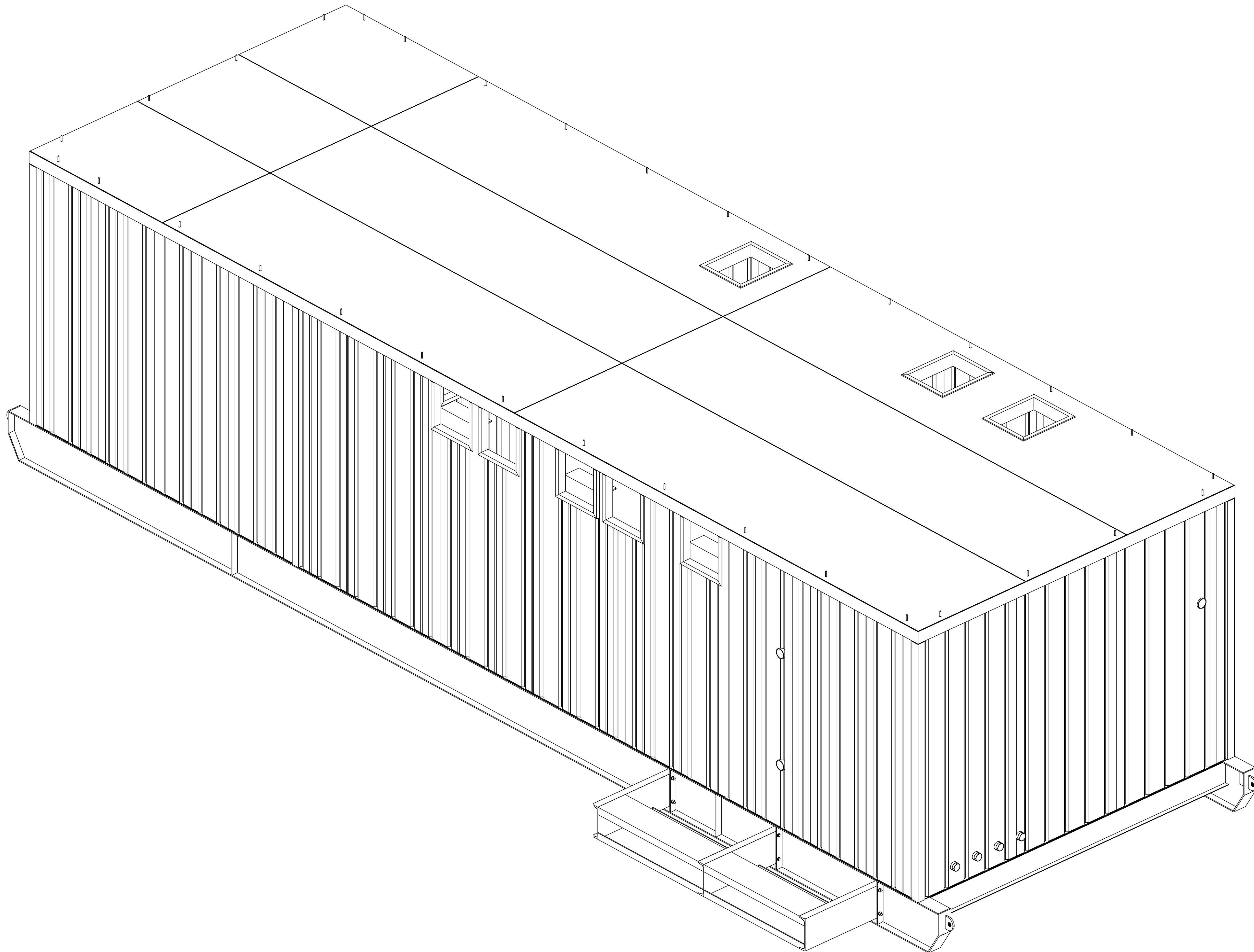
ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V106	REV	△



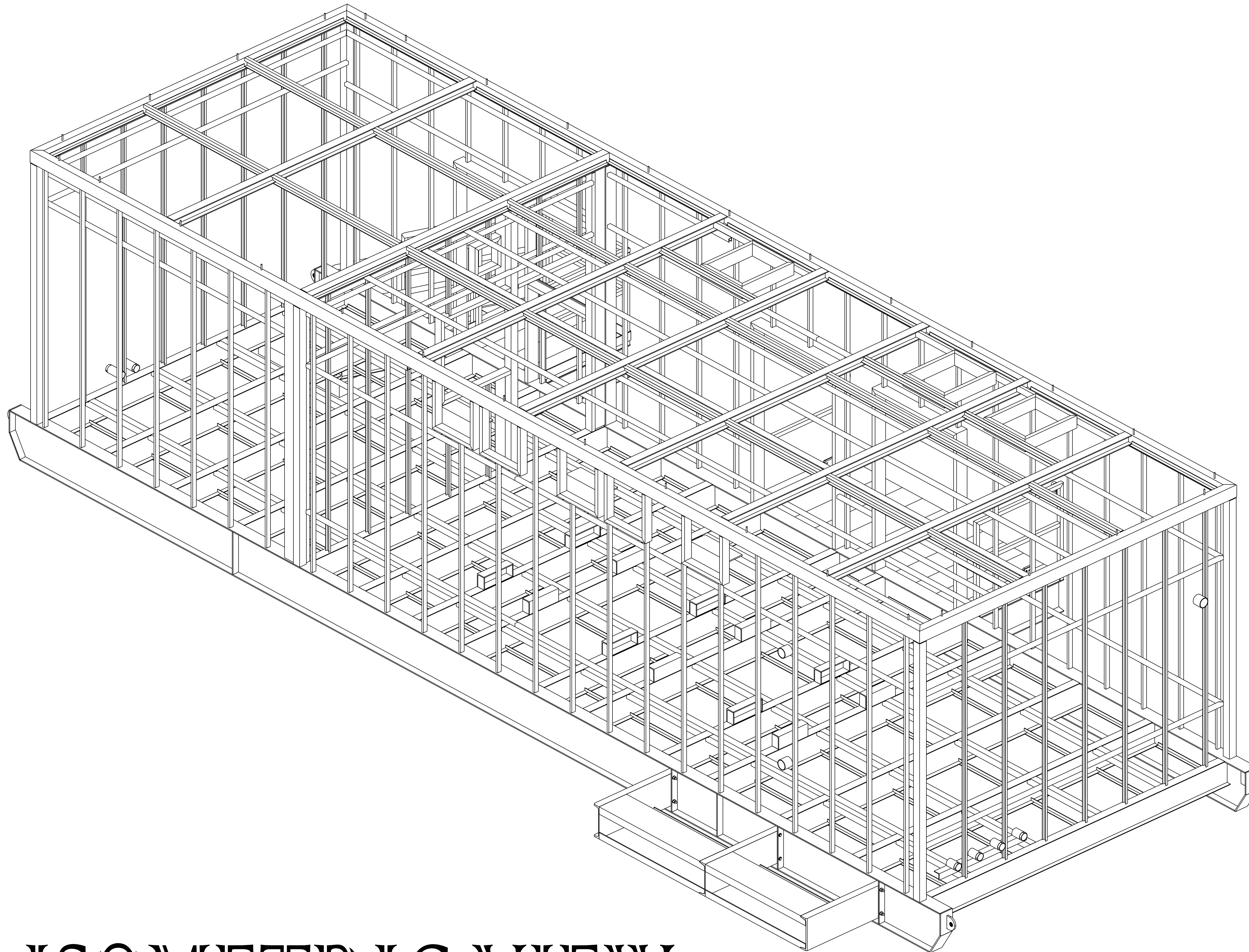
ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V107	REV	△



ISOMETRIC VIEW

FOR FIELD USE

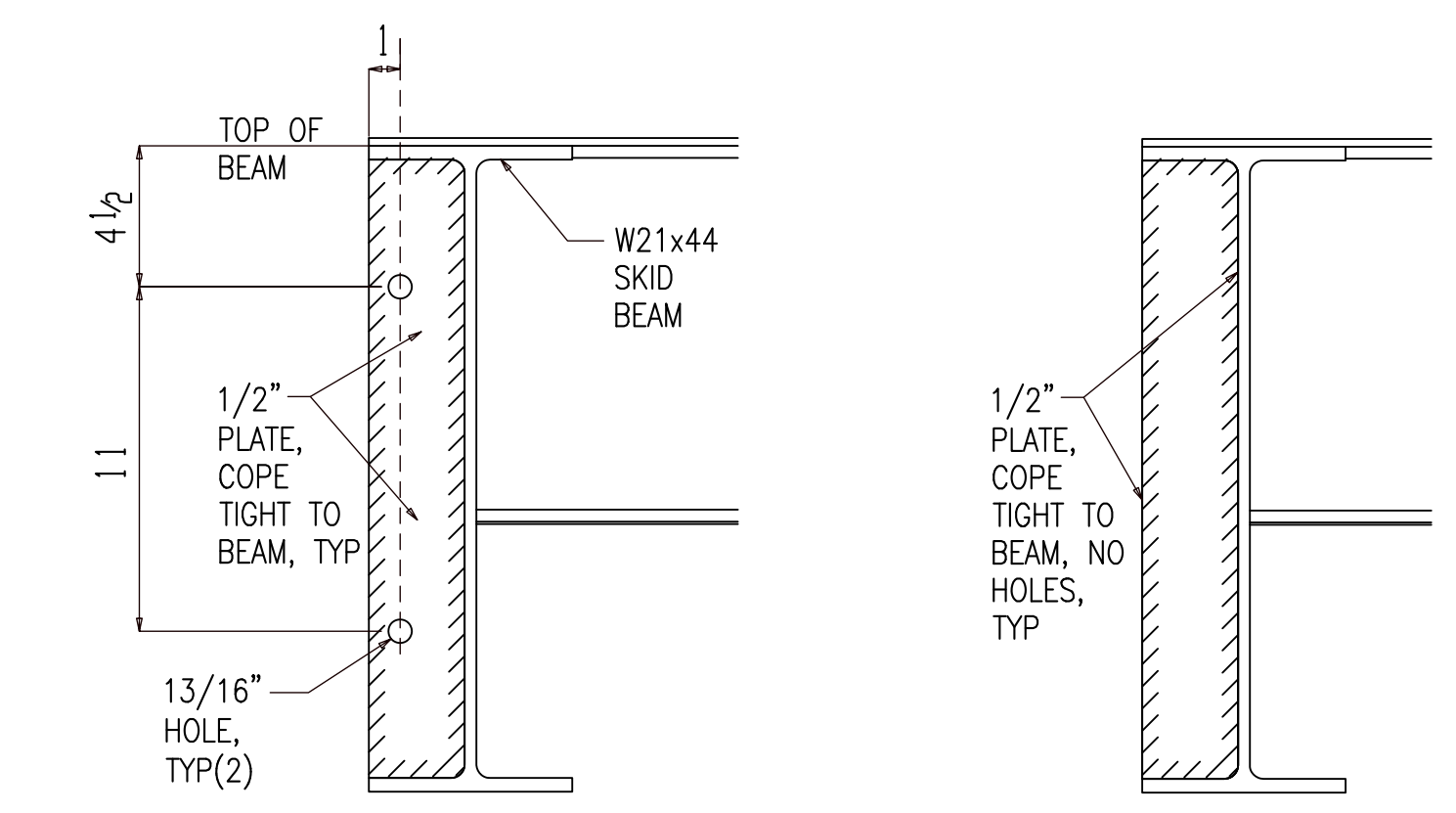
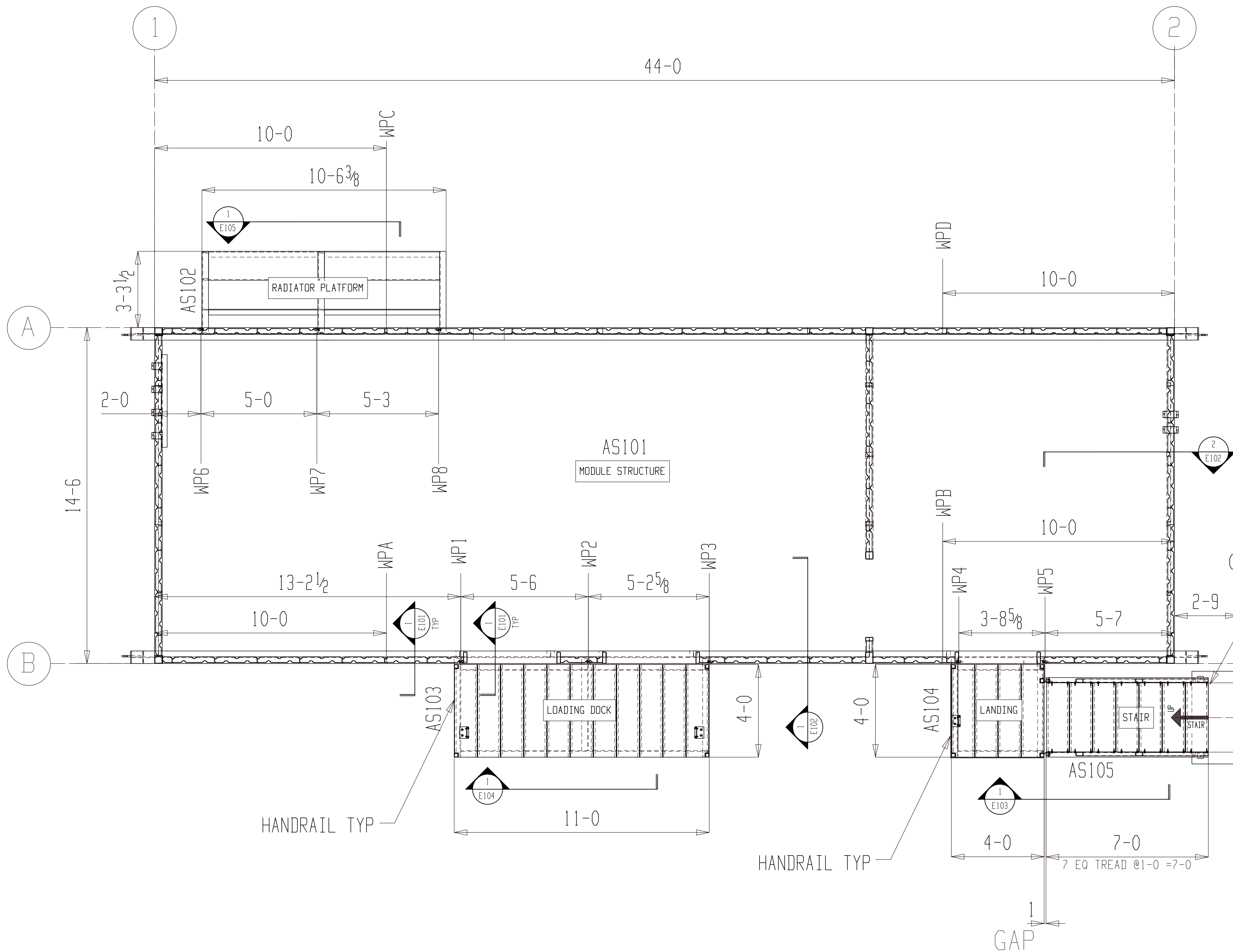
FIELD NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ISOMETRIC VIEW	JOB NUMBER	459	SHEET NO.	V108	REV	△



TYPICAL WP(1 - 8)
FOR SKID ATTACHMENTS

NOTE: DO NOT SHEAR WEB PLATES. CUT WITH WATER JET, TORCH, OR SAW.

1 TYPICAL WEB PLATE (WP)
E101 (REFER: 5/S2)

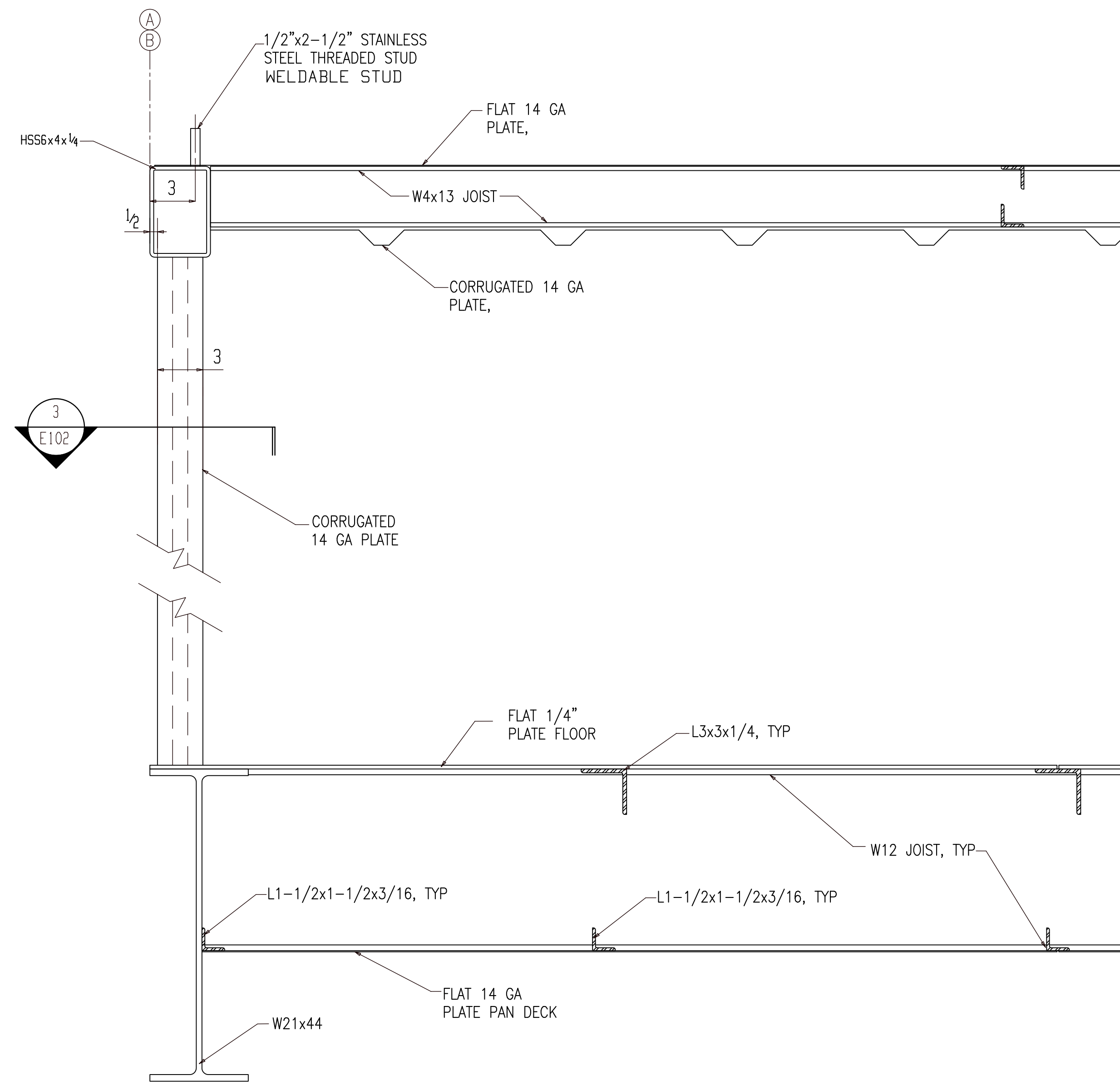
4'-0" X 4'-0" X 6" DEEP ENTRY
SLAB FOR STAIRS WITH #4
REBAR AT 12" O.C
BOTH WAYS
(BY OTHER)

**MODULE STRUCTURE, STAIRS LANDING,
LOADING DOCK & RADIATOR SUPPORT PLAN**

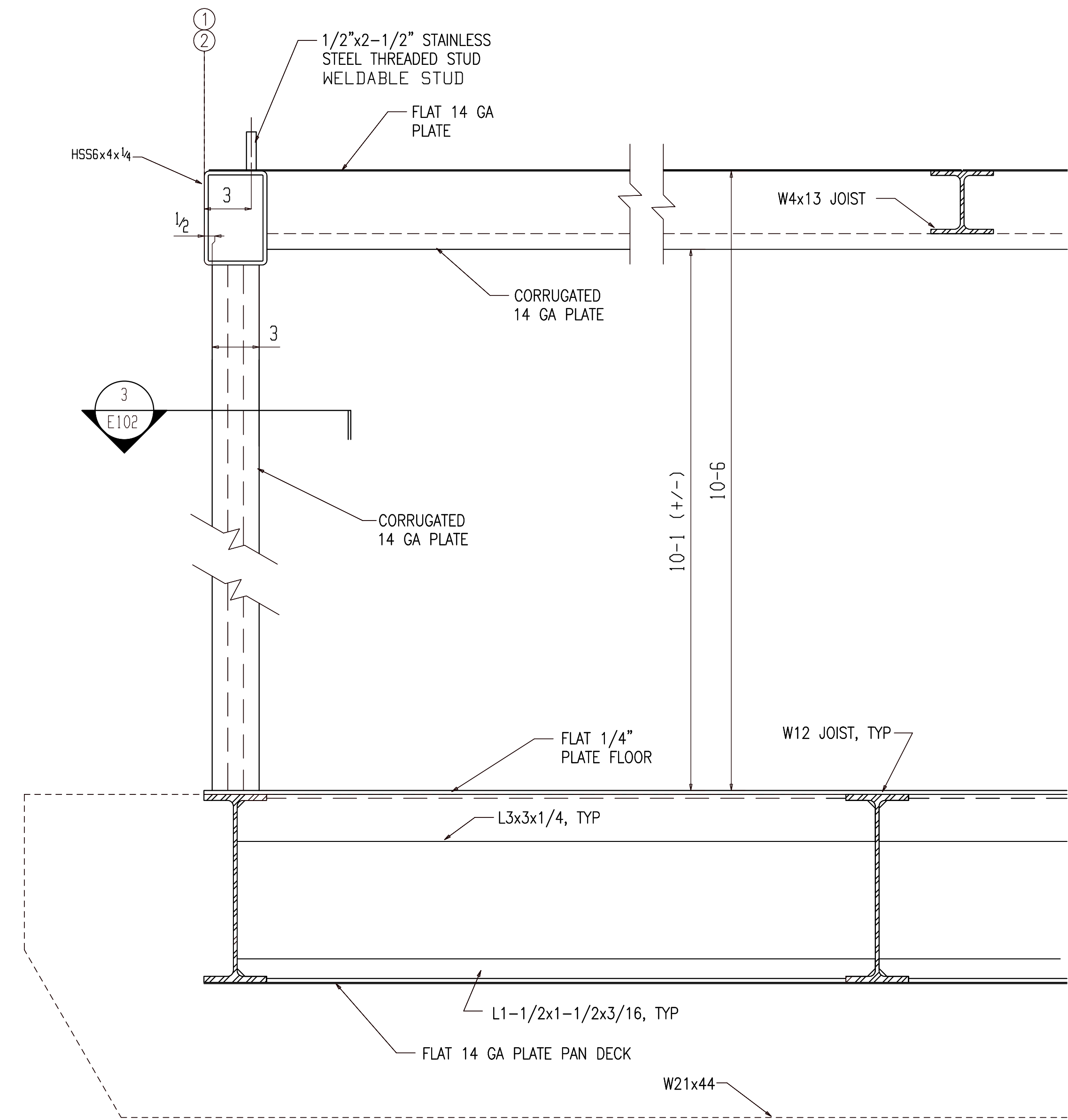
(REFER: S5.1, 1/A1)

FOR FIELD USE

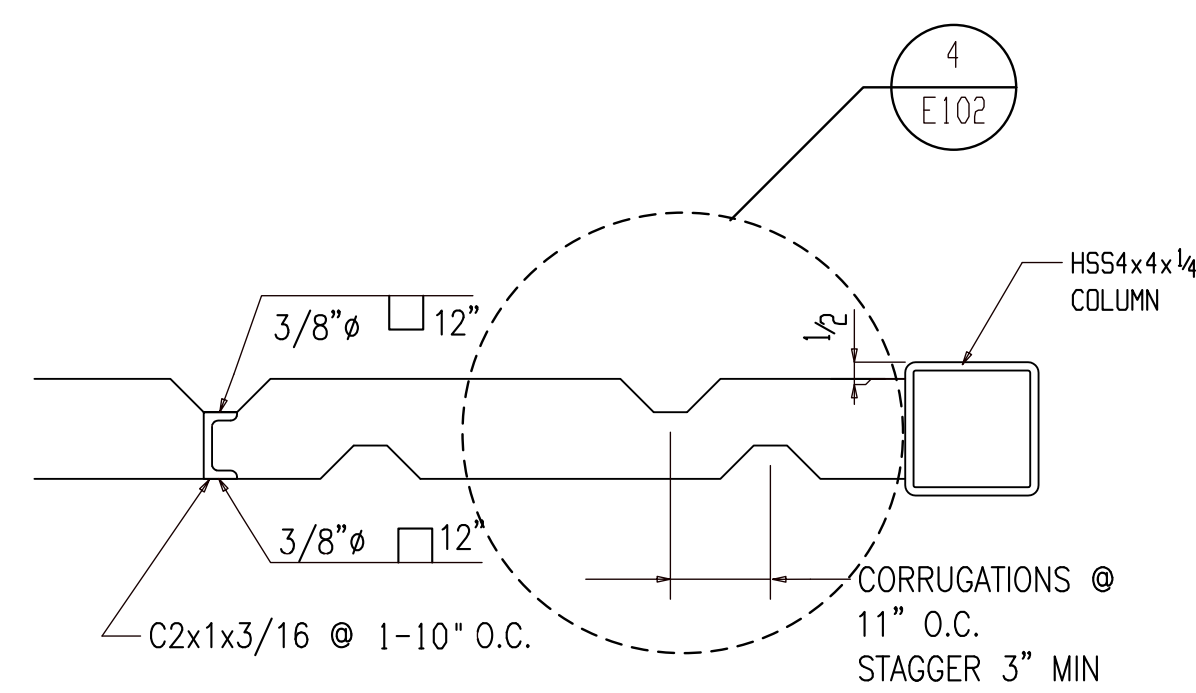
FIELD NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
△	For Field Use	ALN	07-18-22	
△	For Re-Approval	ALN	07-04-22	
△	For Approval	ALN	06-20-22	
REV.	DESCRIPTION	BY	DATE	
HOLES UN	13/16Ø	PAINT UN	WELDS	E70XX
CLEANING:				
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY: ALN
LOCATION:	ALASKA	SCALE:	N.A.	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22	
DESCRIPTION:	MODULE STRUCTURE AND EXTERIOR ASSEMBLY PLAN	JOB NUMBER	459	SHEET NO. E101
				REV



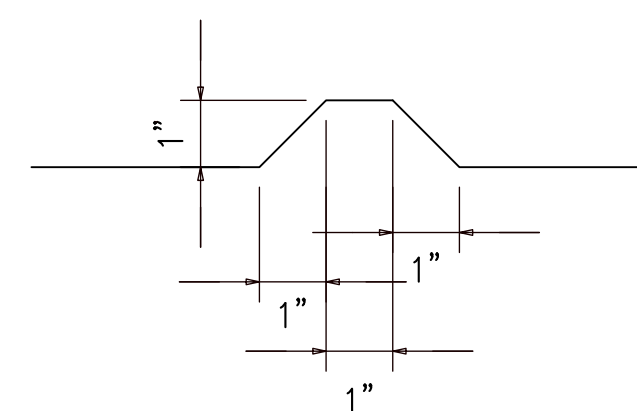
1 TYPICAL BUILDING SECTION
E102 (REFER: 1/S3)



2 TYPICAL BUILDING SECTION
E102 (REFER: 2/S3)



3 TYPICAL EXTERIOR WALL - PLAN VIEW
E102 (REFER: 3/S3)



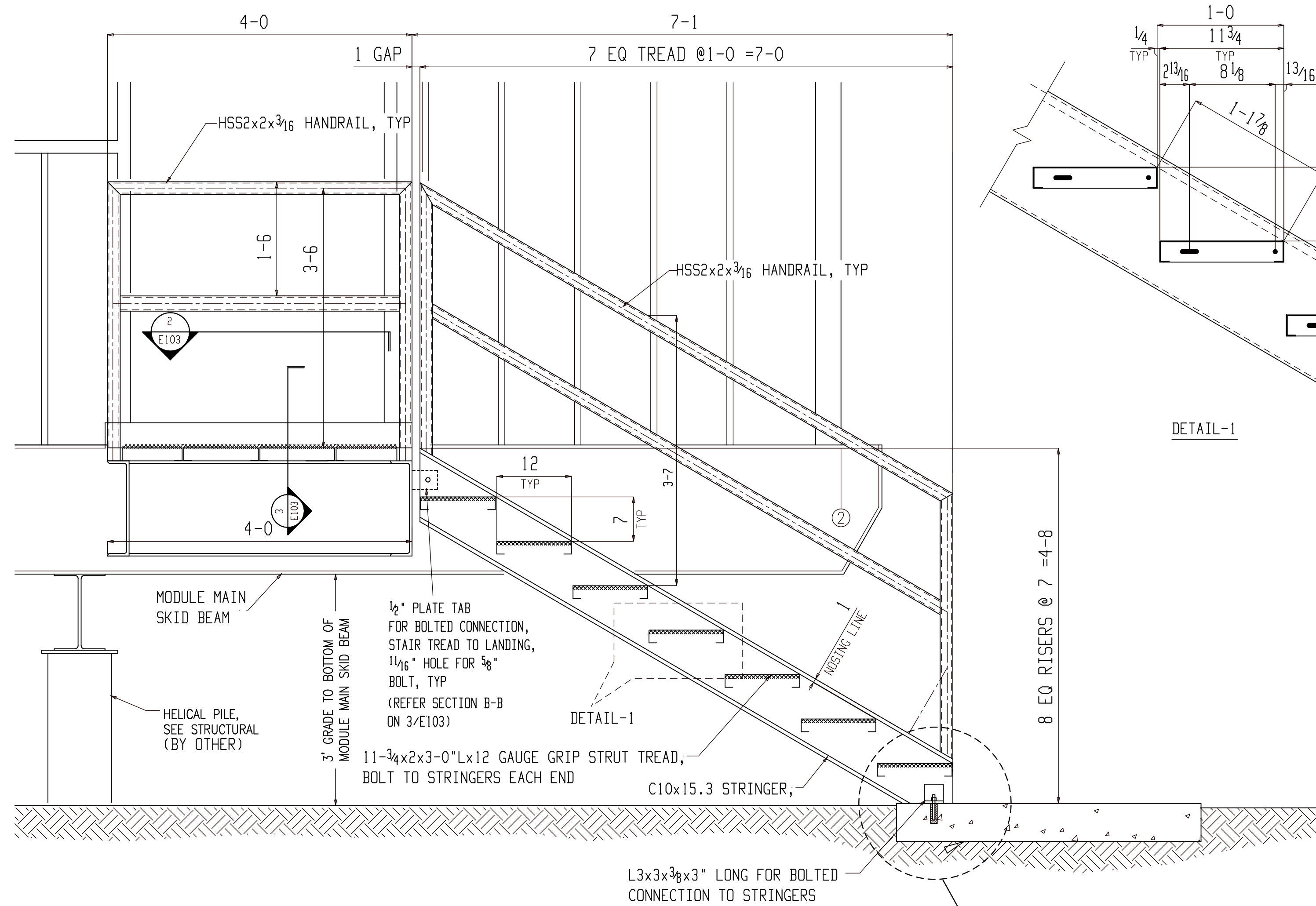
4 TYPICAL CORRUGATION
E102 (REFER: 4/S3)

FOR FIELD USE

FIELD NOTES:

REV.	DESCRIPTION	BY	DATE
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

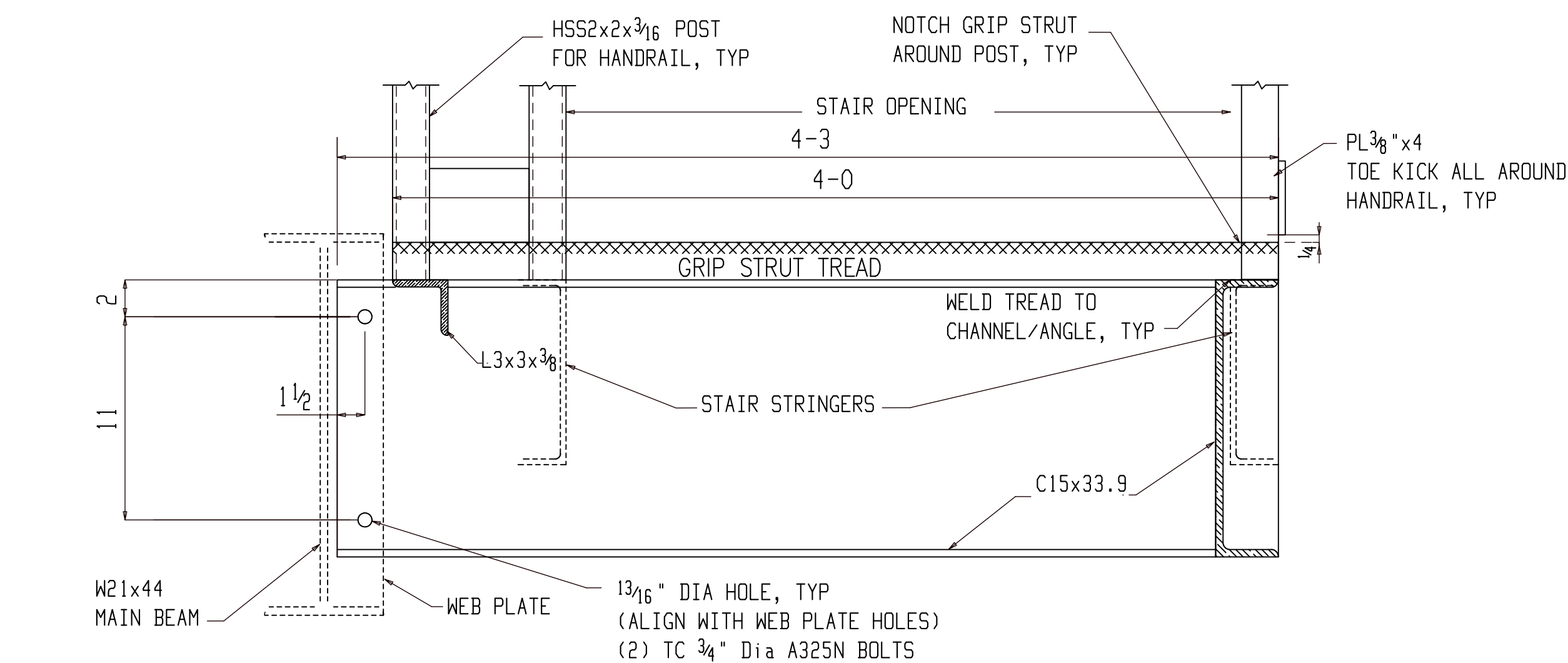
HOLES U.N.	PAINT U.N.	WELDS	CLEANING
13/16Ø		E70XX	
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MODULE STRUCTURE SECTIONS	JOB NUMBER: 459	SHEET NO.: E102	REV: △



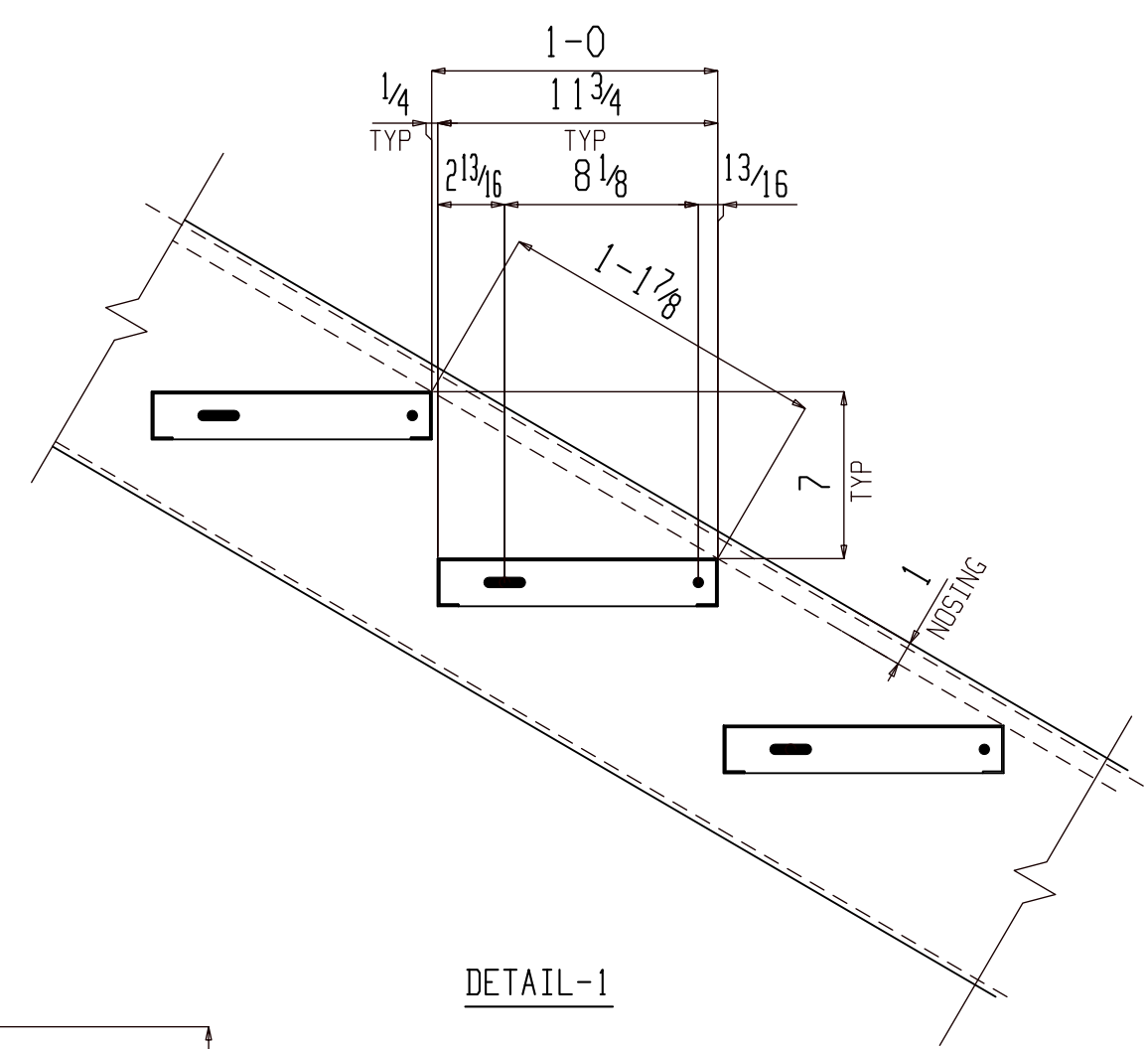
1 STAIR/LANDING ELEVATION
E103 (REFER: 1/S5.2)

FIELD NOTE:

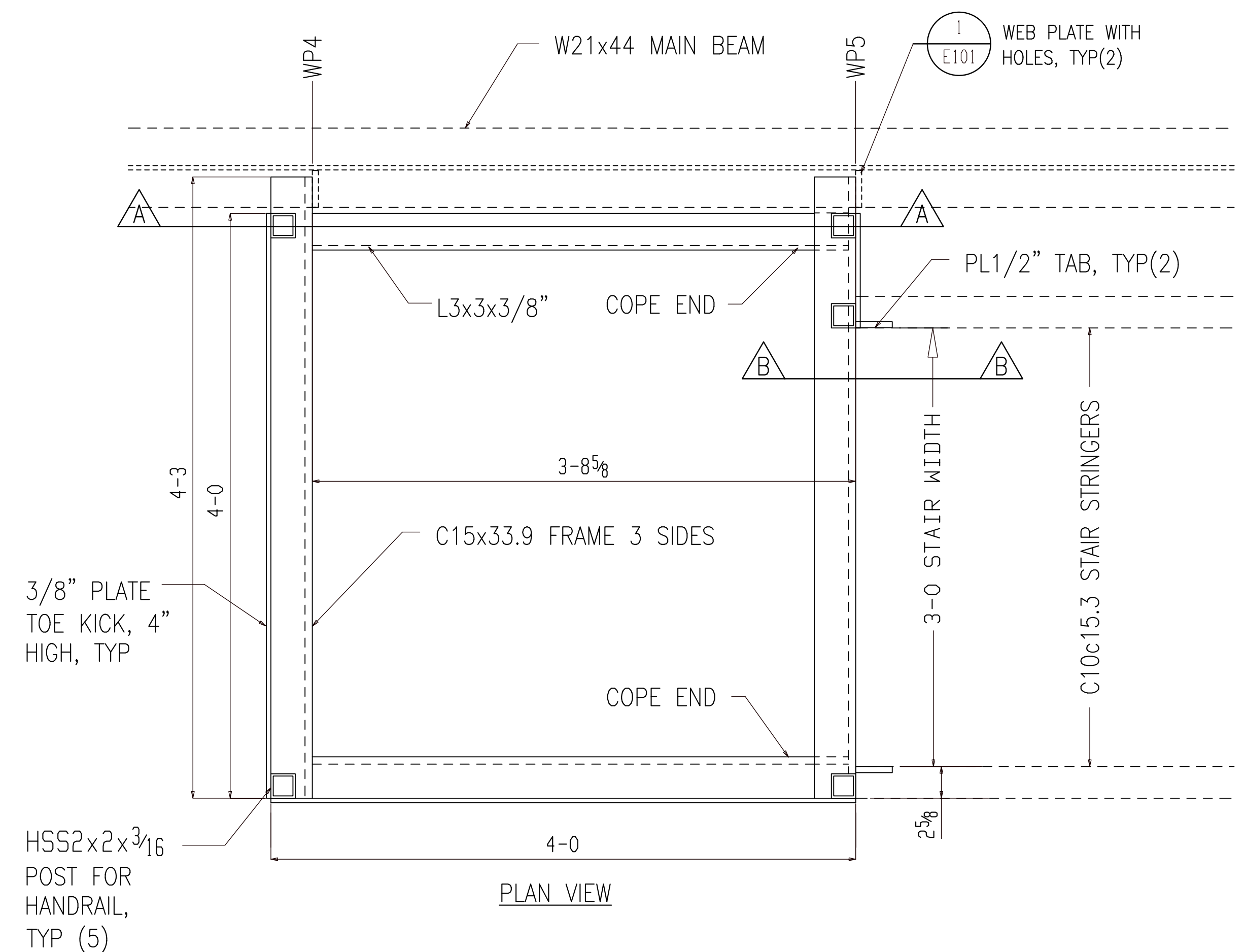
1. RACK ALL SUPPORT BRACKETS LEVEL & PERPENDICULAR TO SKID WITH CONNECTIONS BOLTED TIGHT PRIOR TO WELDING. THE LANDING BASE FRAMING MEMBERS.
2. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR FILLET WELDS.
3. DO NOT WELD THE LANDING BASE FRAME TO MAIN SKID BEAM-BOLTED CONNECTION ONLY.



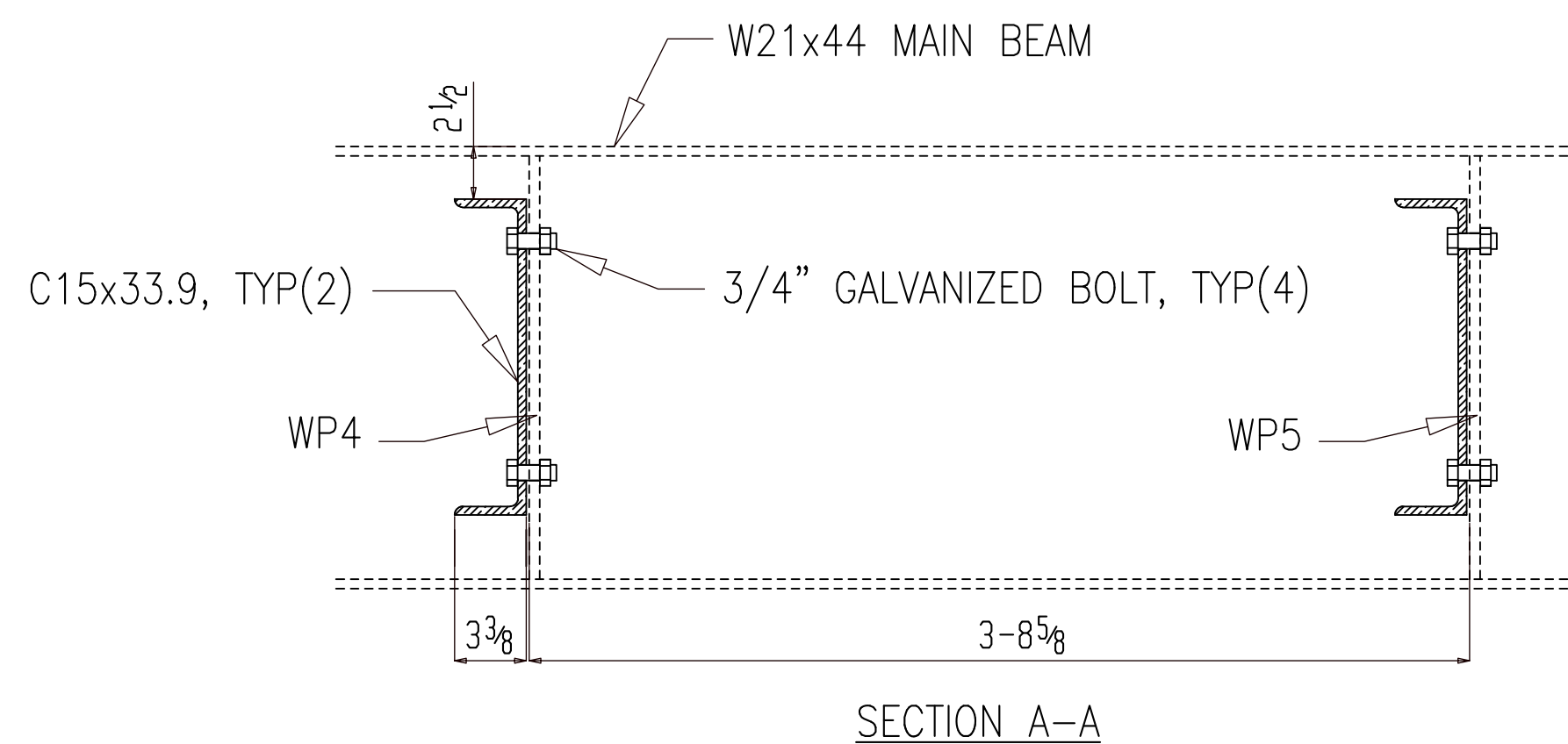
3 LANDING SECTION & MAIN BEAM CONNECTION DETAIL
E103 (REFER: 3/S5.2)



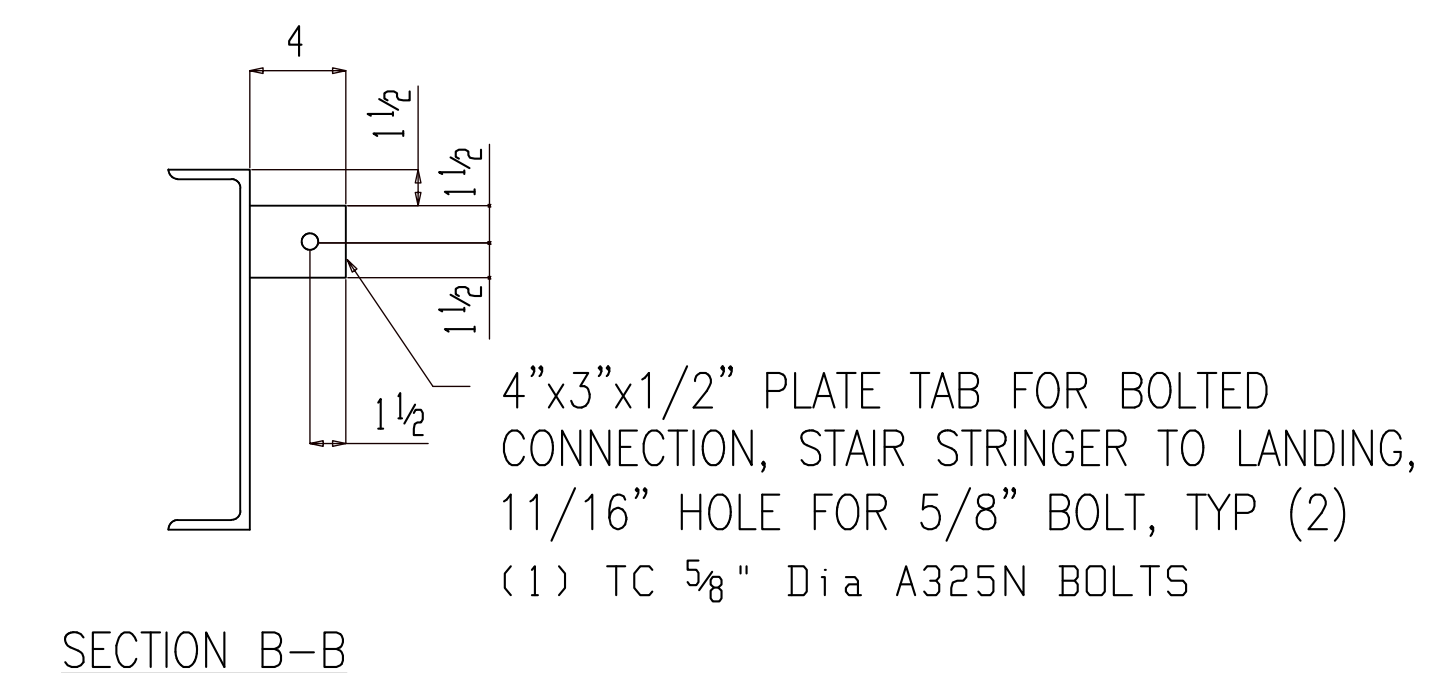
DETAIL-1



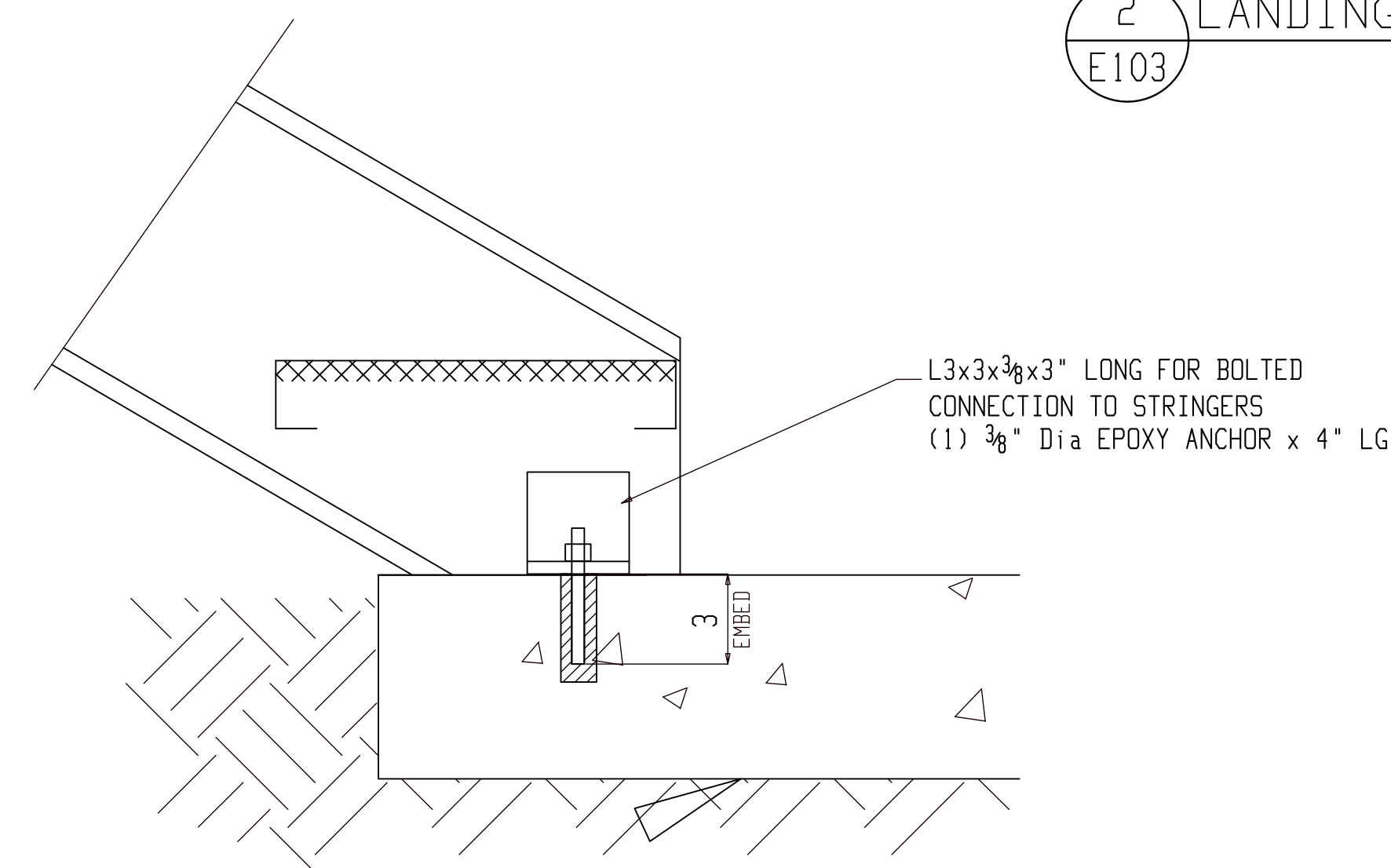
2 LANDING BASE FRAMING PLAN & SECTIONS
E103 (REFER: 2/S5.2)



SECTION A-A



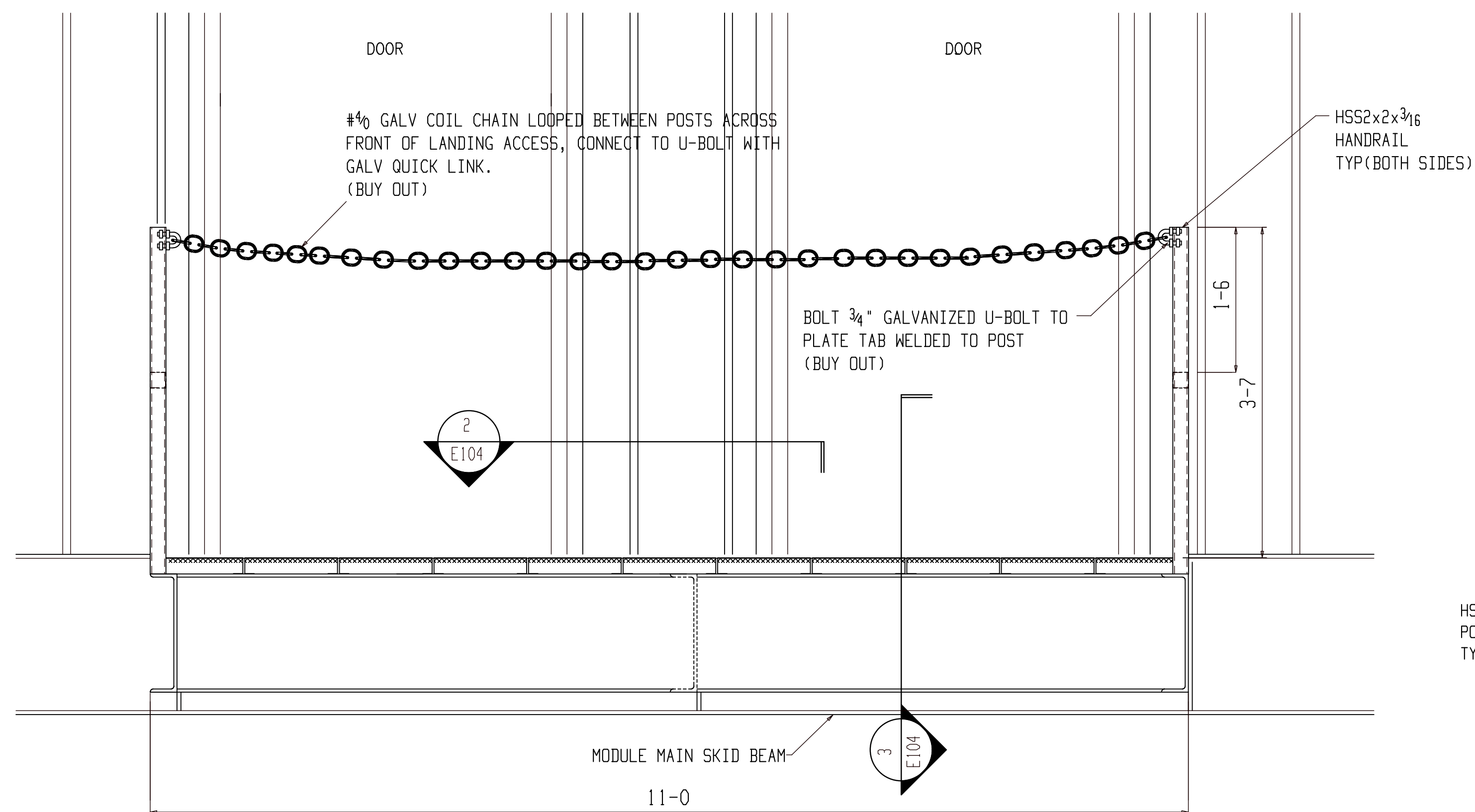
SECTION B-B



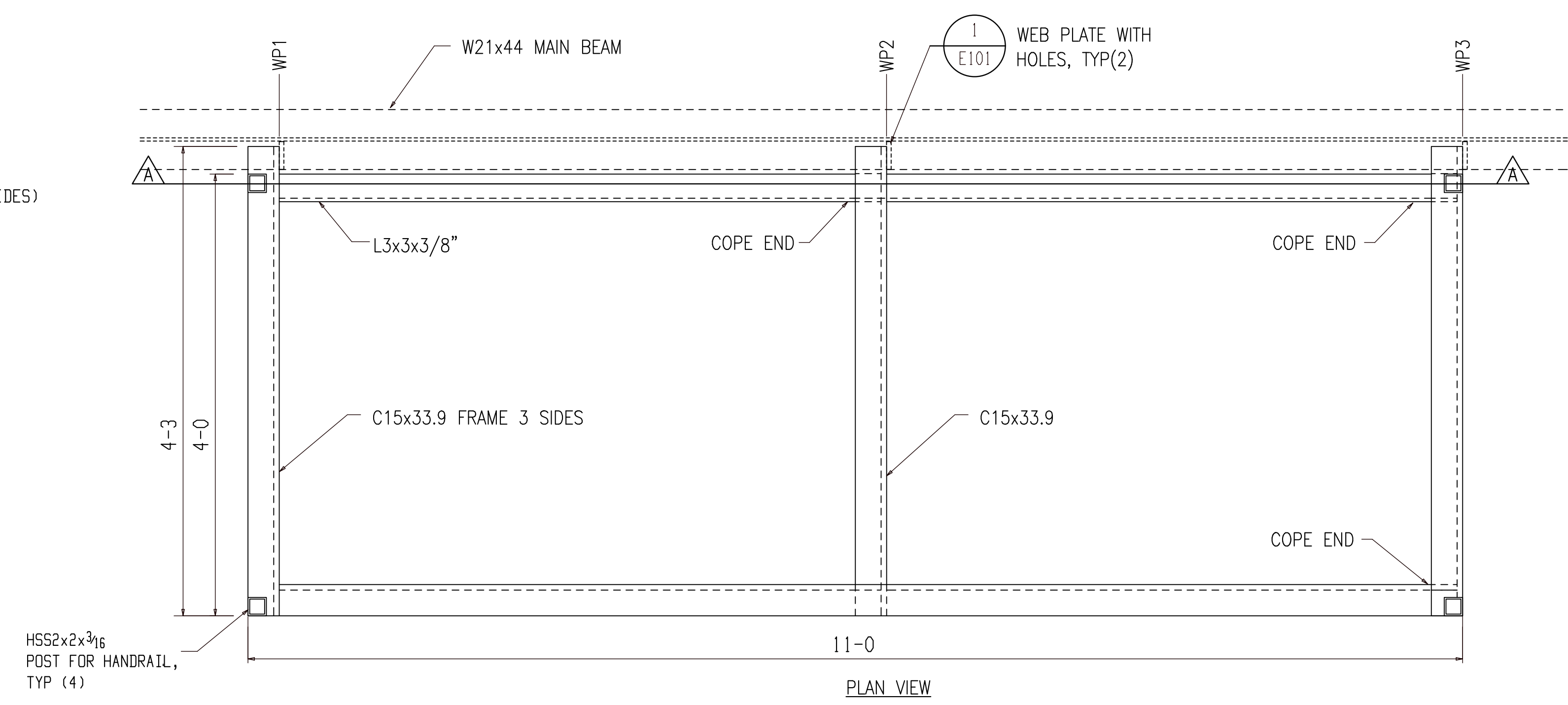
4 DETAIL VIEW
E103 (REFER: 1/S5.2)

FOR FIELD USE

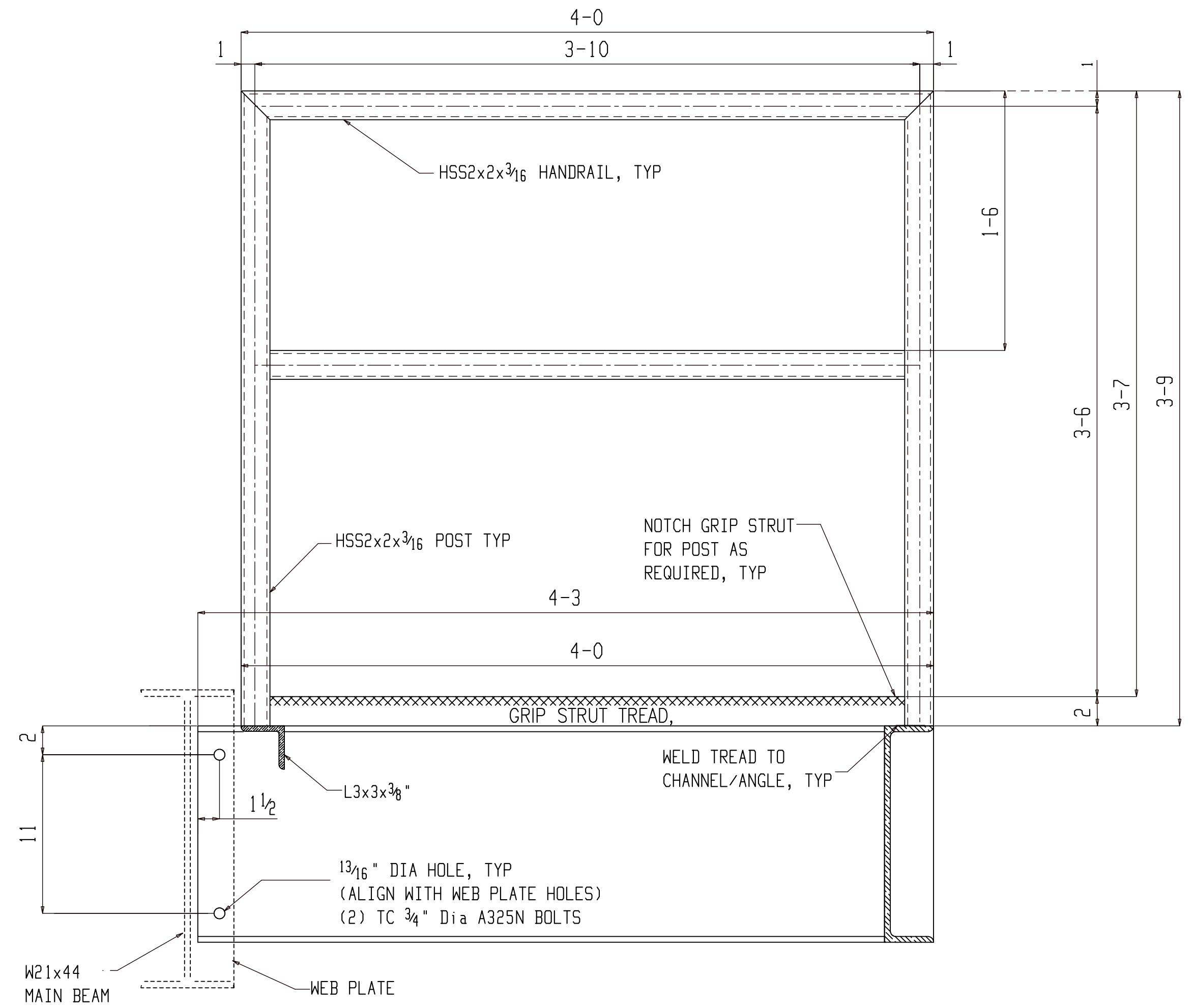
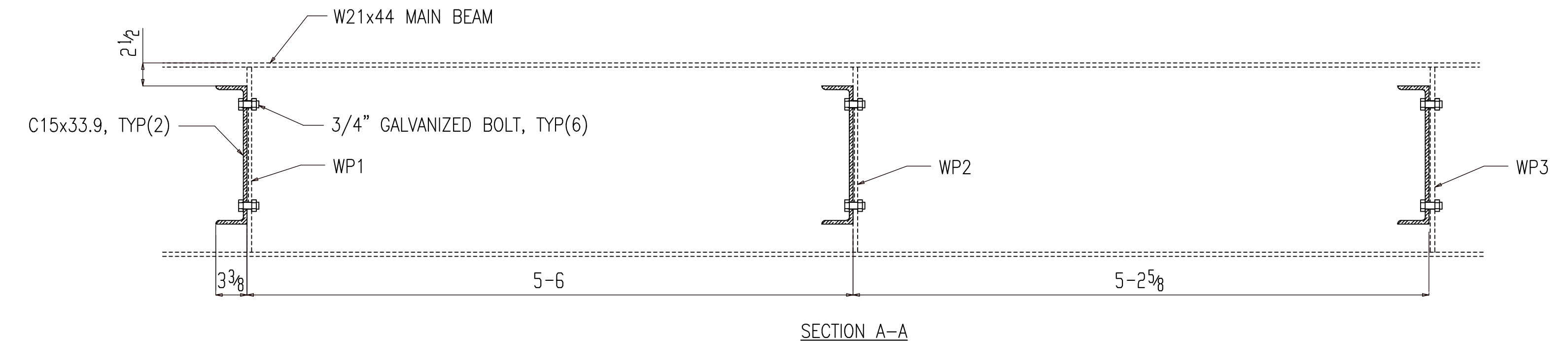
FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	WELDS: E70XX
CLEANING:			
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	STAIR/LANDING FRAMING PLAN & SECTIONS	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	E103
REV:			



1 LOADING DOCK ELEVATION
E104 (REFER: 1/S5.3)



2 LOADING DOCK BASE FRAMING PLAN & SECTION
E104 (REFER: 2/S5.3)



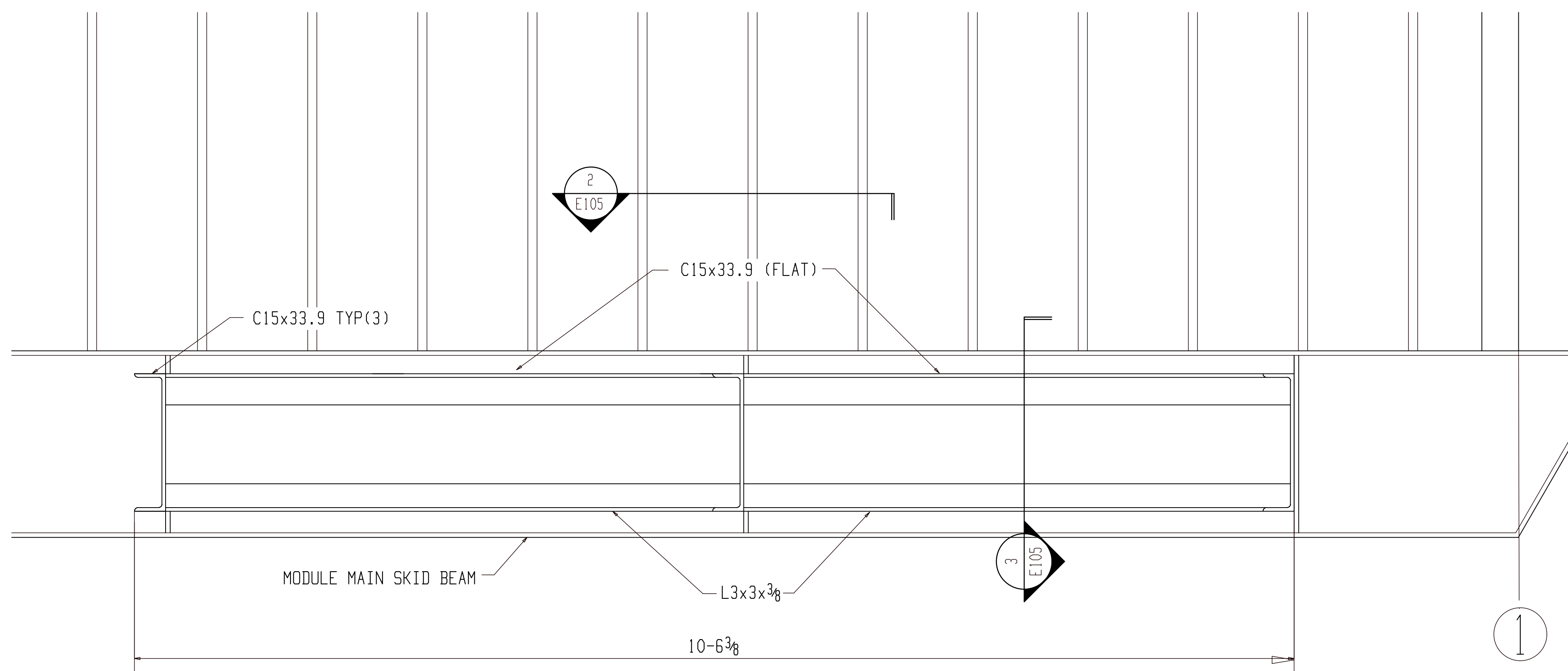
3 LOADING DOCK SECTION & MAIN BEAM CONNECTION DETAIL
E104 (REFER: 3/S5.3)

FIELD NOTE:

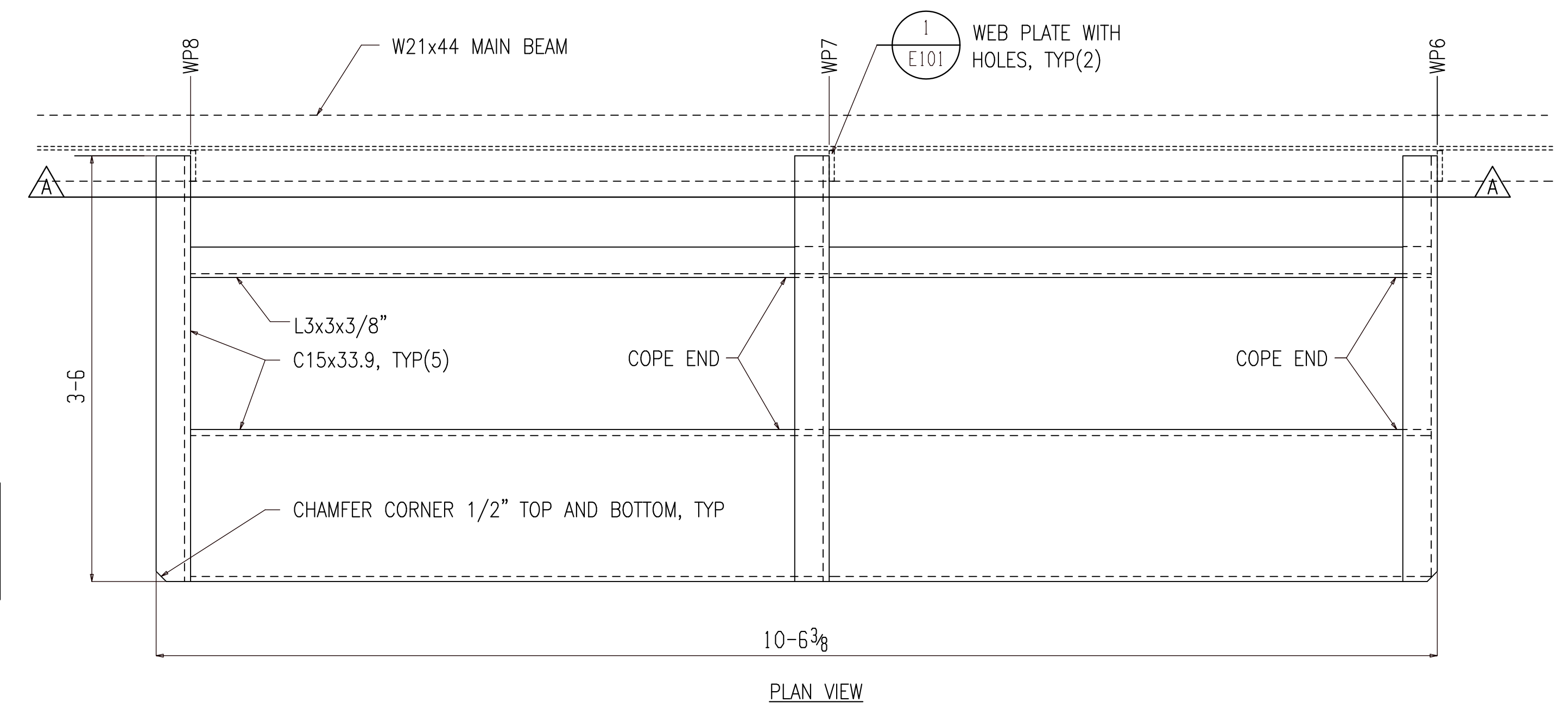
1. RACK ALL SUPPORT BRACKETS LEVEL & PERPENDICULAR TO SKID WITH CONNECTIONS BOLTED TIGHT PRIOR TO WELDING. THE LOADING DOCK BASE FRAMING MEMBERS.
2. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR FILLET WELDS.
3. DO NOT WELD THE LOADING DOCK BASE FRAME TO MAIN SKID BEAM-BOLTED CONNECTION ONLY.

FOR FIELD USE

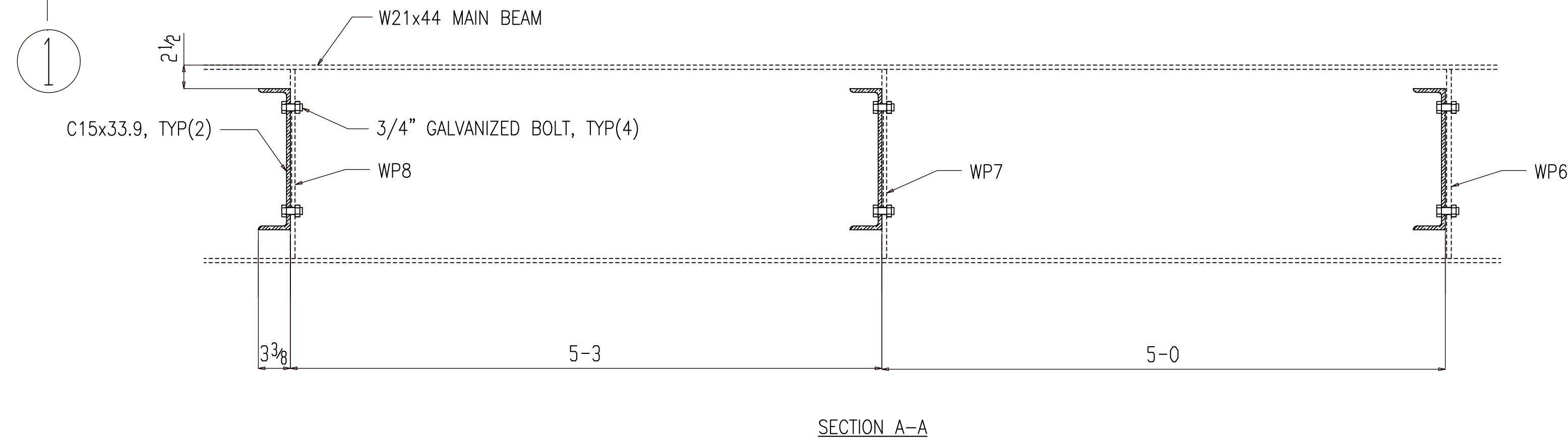
FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	WELDS: E70XX
CLEANING:		DR. BY: PKM	CHK. BY: ALN
JOB NAME: RAMPART POWER SYSTEM UPGRADE		SCALE: N.A.	
LOCATION: ALASKA		DATE: 05-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET NO.
DESCRIPTION: LOADING DOCK FRAMING PLAN & SECTION		459	E104



1 RADIATOR SUPPORT ELEVATION
E105 (REFER: 1/S5.4)

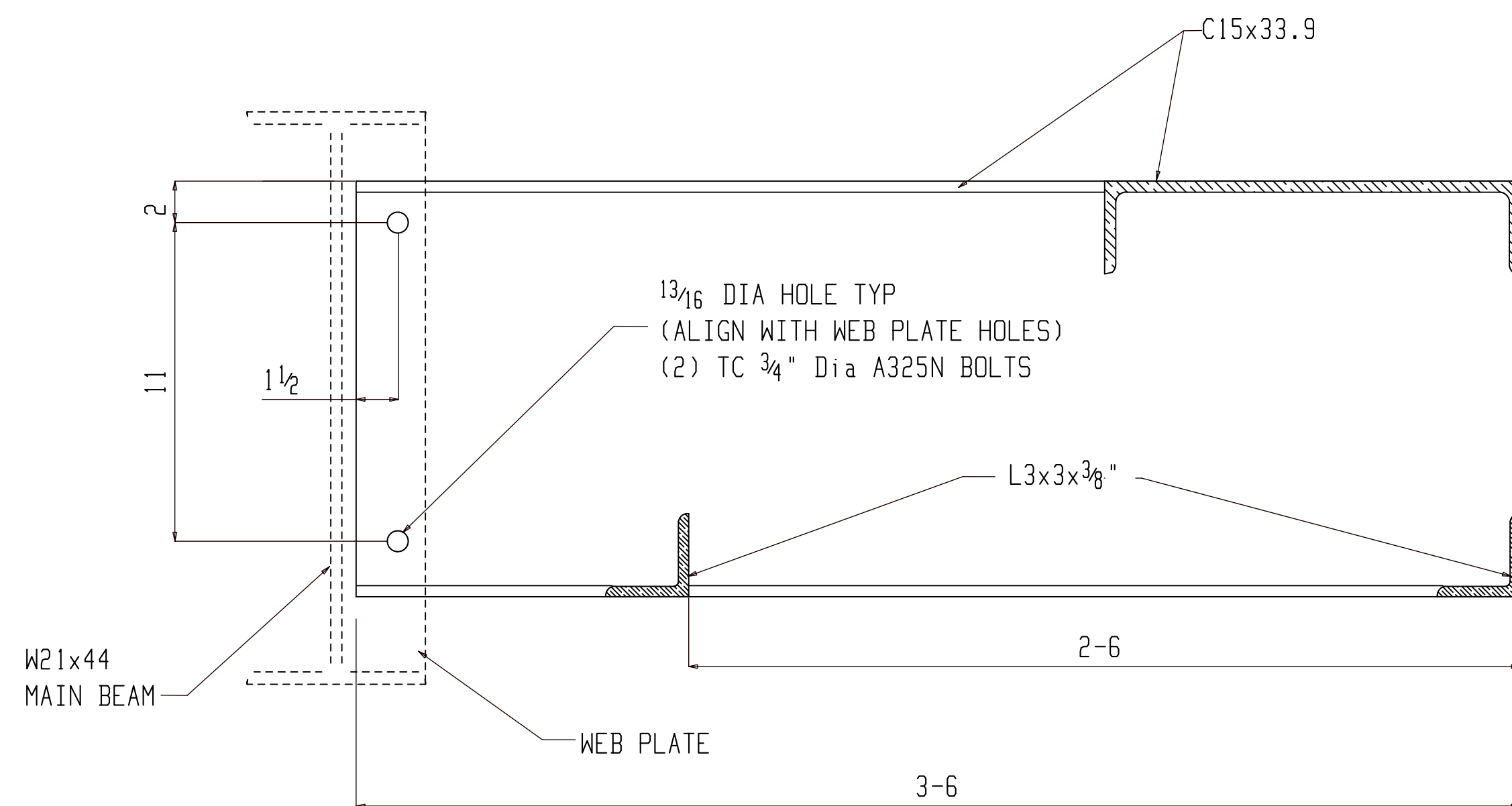


PLAN VIEW



SECTION A-A

2 RADIATOR SUPPORT FRAMING PLAN & SECTION
E105 (REFER: 2/S5.4)



3 RADIATOR SUPPORT SECTION & MAIN BEAM CONNECTION DETAIL
E105 (REFER: 3/S5.4)

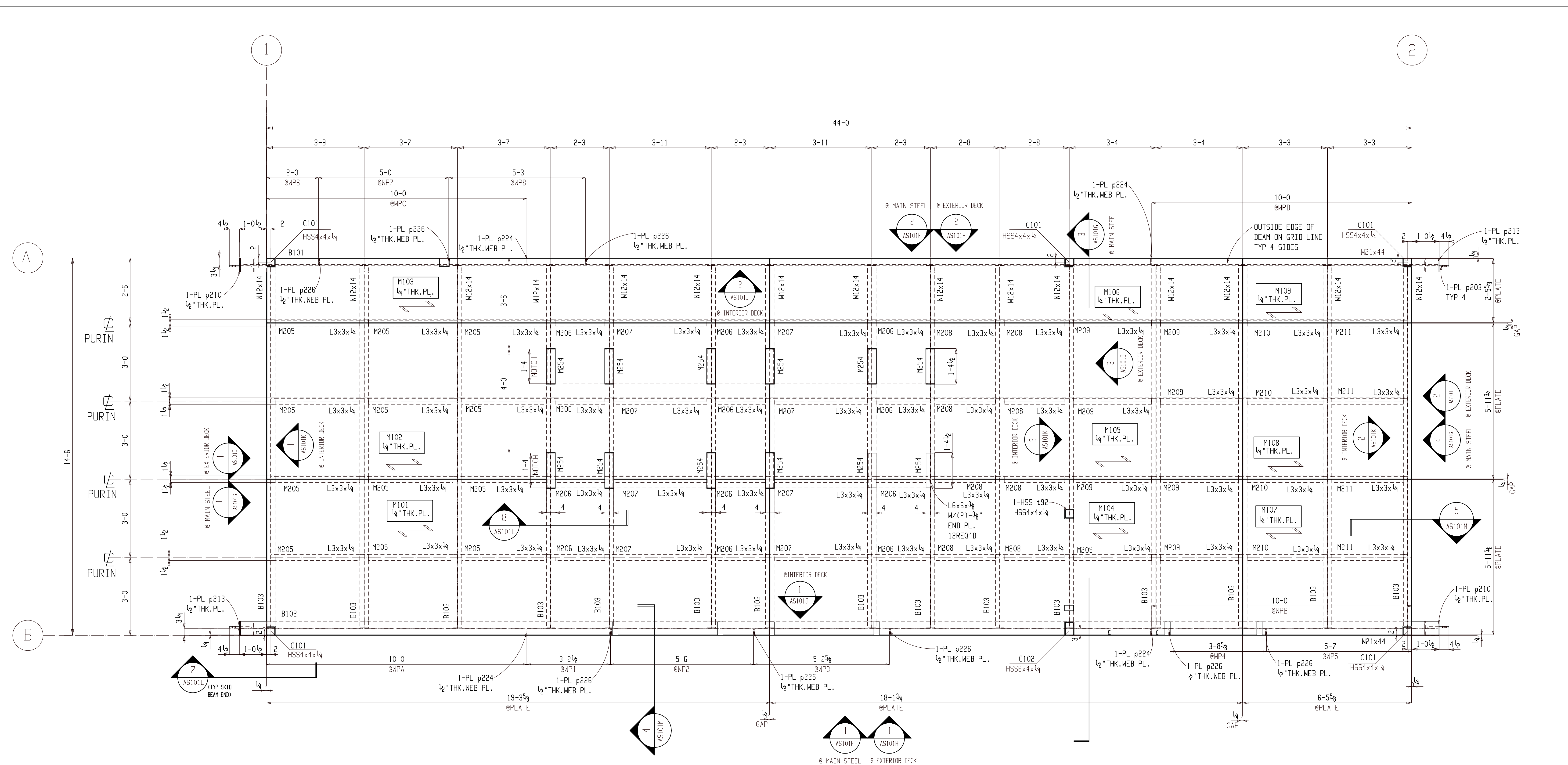
FIELD NOTE:

1. RACK ALL SUPPORT BRACKETS LEVEL & PERPENDICULAR TO SKID WITH CONNECTIONS BOLTED TIGHT PRIOR TO WELDING. THE RADIATOR SUPPORT FRAMING MEMBERS.
2. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR FILLET WELDS.
3. DO NOT WELD THE RADIATOR SUPPORT FRAMES TO MAIN SKID BEAM-BOLTED CONNECTION ONLY.

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Field Use	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: RADIATOR SUPPORT FRAMING PLAN & SECTION	JOB NUMBER: 459	SHEET NO.: E105	REV: △



BASE FRAME FLOOR PLAN

(REFER: 1/52 & 1/M2.3)

ONE ASSEMBLY AS101

(E REFER: E101)

SHOP NOTE:
 1. IF CUTOUTS FOR GENERATOR SUPPORT PEDESTALS ARE RECTANGULAR AS INDICATED AND NOT SLOTTED, THE INSIDE WILL NEED TO BE FILLED WITH 1/4" PLATE AND SEAL WELDED TO PREVENT CREATING LOW POINT TRAPS FOR LIQUIDS.

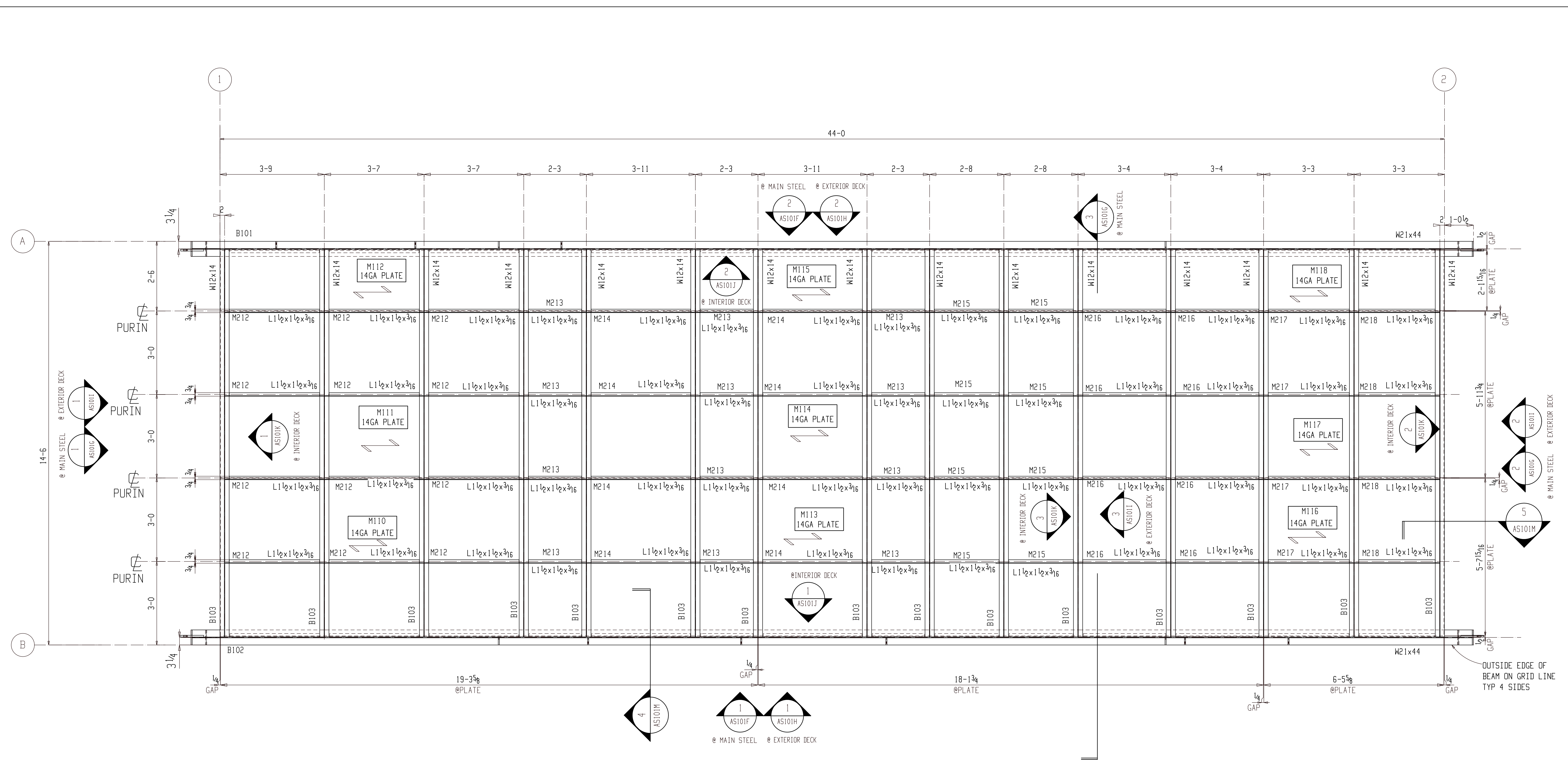
FOR FABRICATION

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
⊕	For Re-Approval	ALN	07-04-22
⊕	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES UN :	13/16Ø	PAINT UN :		WELDS :	E70XX	CLEANING :	
JOB NAME :	RAMPART POWER SYSTEM UPGRADE			DR. BY :	PKM	CHK. BY :	ALN
LOCATION :	ALASKA			SCALE :	N.A.		
CONTRACTOR :	ALASKA ENERGY AUTHORITY			DATE :	05-26-22		
DESCRIPTION :	ASSEMBLY AS101 (PLANS)			JOB NUMBER :	459	SHEET NO. :	AS101B

WORK THIS SHEET WITH AS101A THRU AS101M



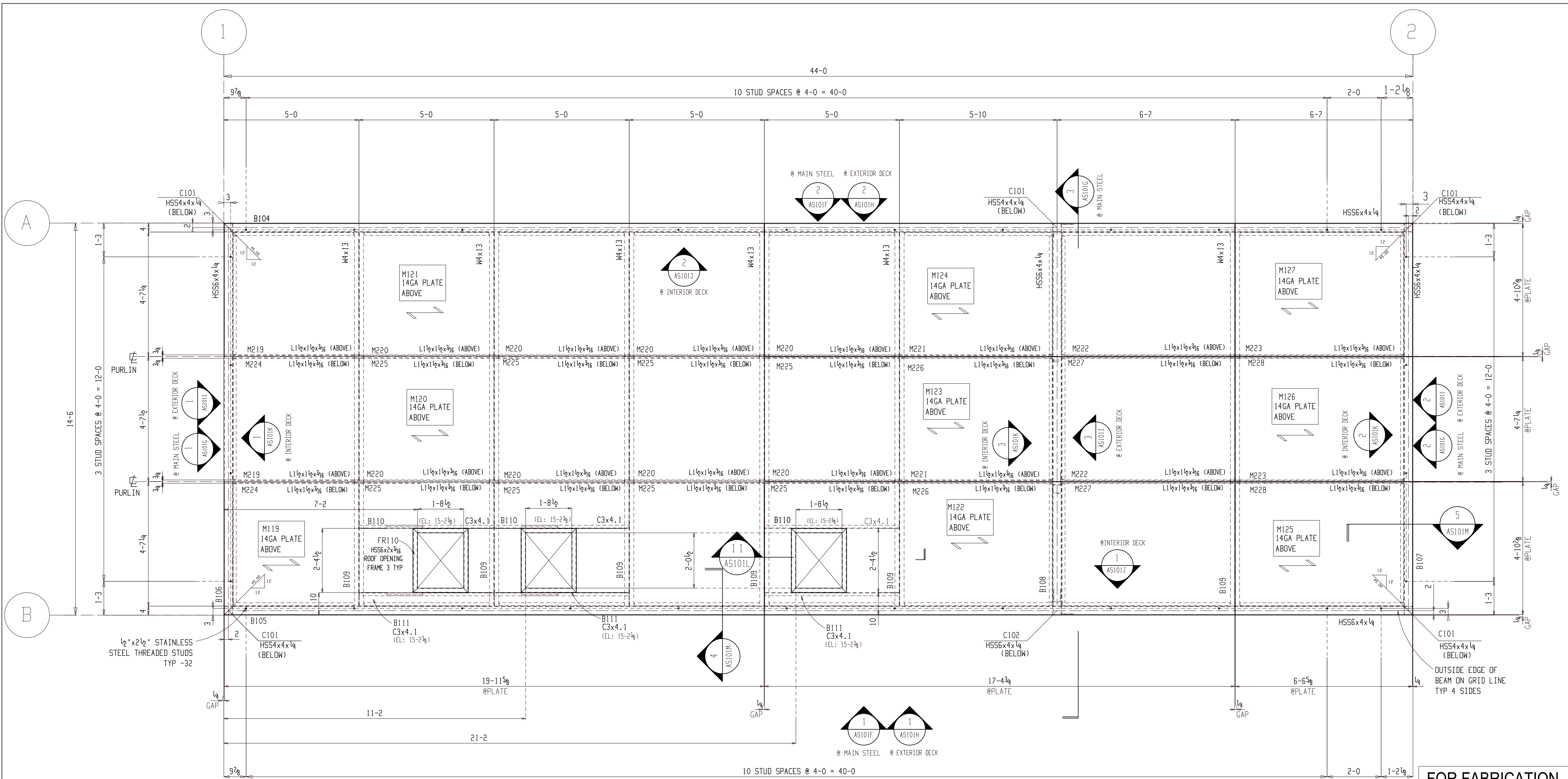
BOTTOM PLATE FLOOR PLAN
(REFER: 1/S2)

FOR FABRICATION

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
⊕	For Re-Approval	ALN	07-04-22
⊕	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN.	13/16Ø	PAINT UN.	WELDS: E70XX
CLEANING:			
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (PLANS)	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	AS101C
		REV.	

WORK THIS SHEET WITH
AS101A THRU AS101M

OUTSIDE EDGE OF
BEAM ON GRID LINE
TYP 4 SIDES



CEILING FRAMING PLAN

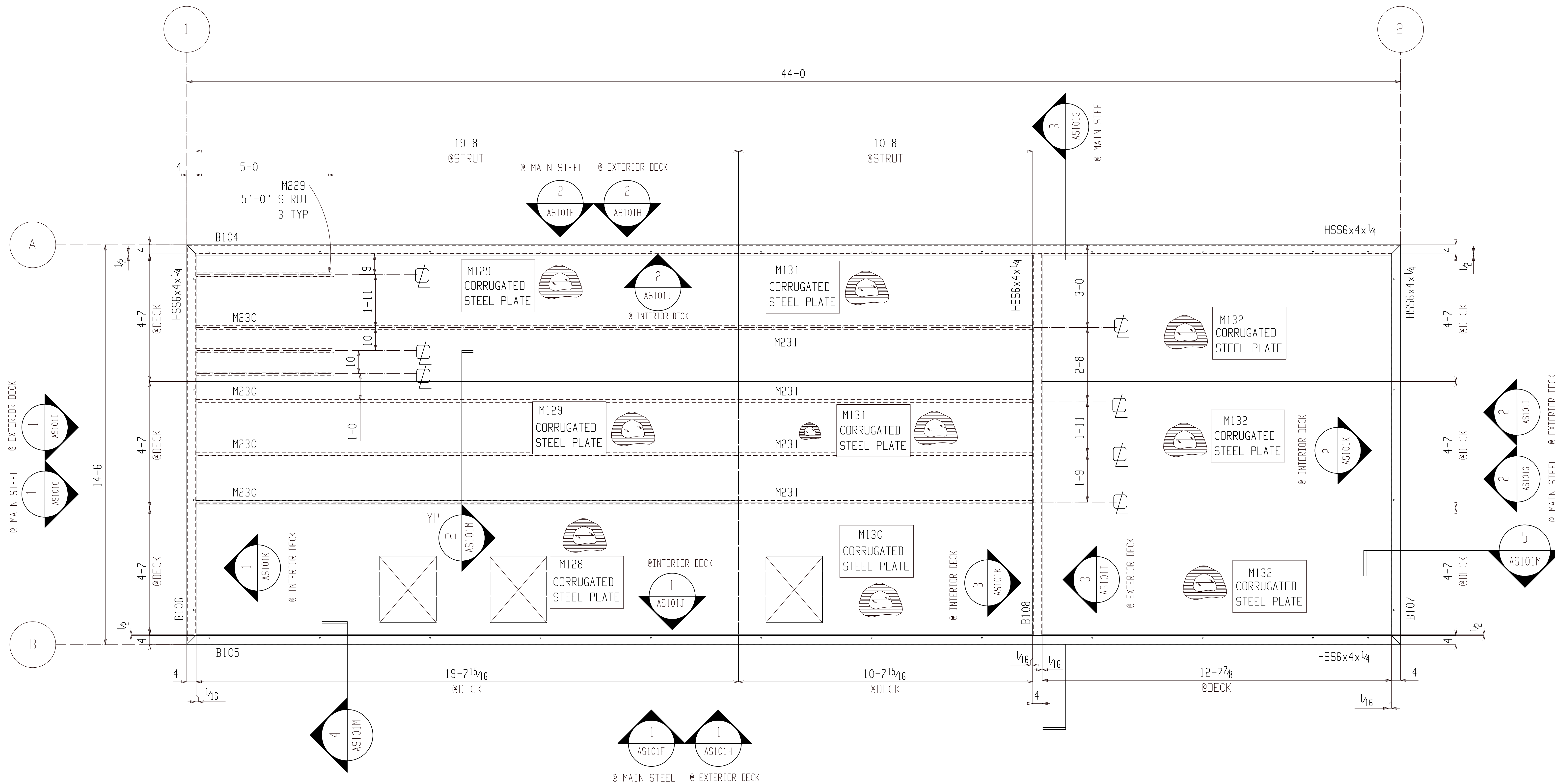
(REFER: 2/S2 & 1/M2.1)

FOR FABRICATION

FIELD NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
⊕	For Re-Approval	ALN	07-04-22
⊙	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN: 13/16Ø			
PAINT UN:		WELDS: E70XX	
CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	
LOCATION: ALASKA		CHK. BY: ALN	
CONTRACTOR: ALASKA ENERGY AUTHORITY		SCALE: N.A.	
DESCRIPTION: ASSEMBLY AS101 (PLANS)		DATE: 05-26-22	
JOB NUMBER: 459	SHEET NO: AS101D	REV: △	

WORK THIS SHEET WITH AS101A THRU AS101M



BOTTOM CEILING STRUT AND DECK PLAN

(REFER: 2/S2 & 3/M2.3)

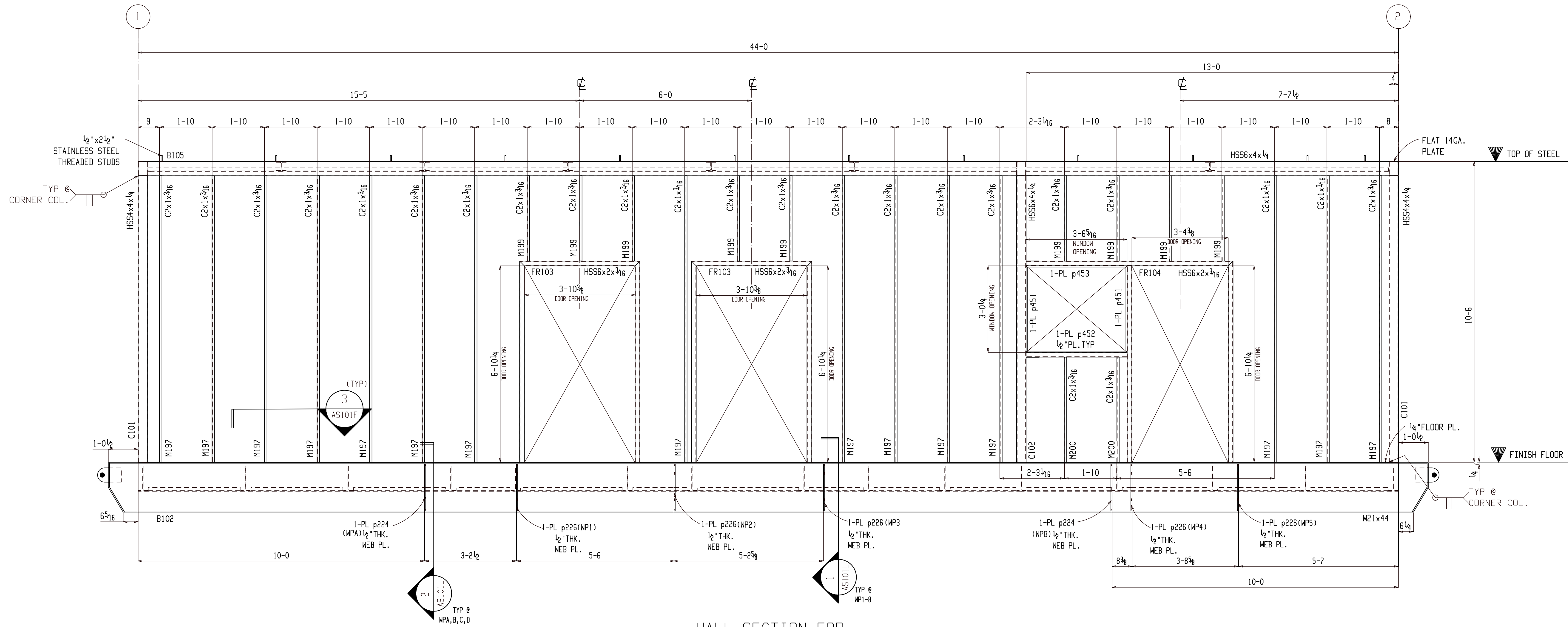
FOR FABRICATION

FIELD NOTES:

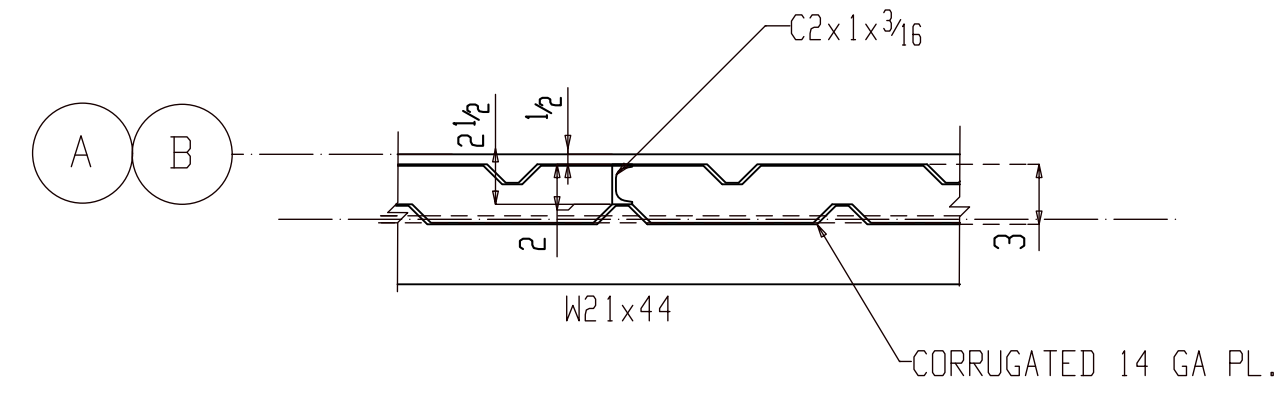
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS101 (PLANS)			JOB NUMBER	SHEET NO.	REV	
	459	AS101E	△				

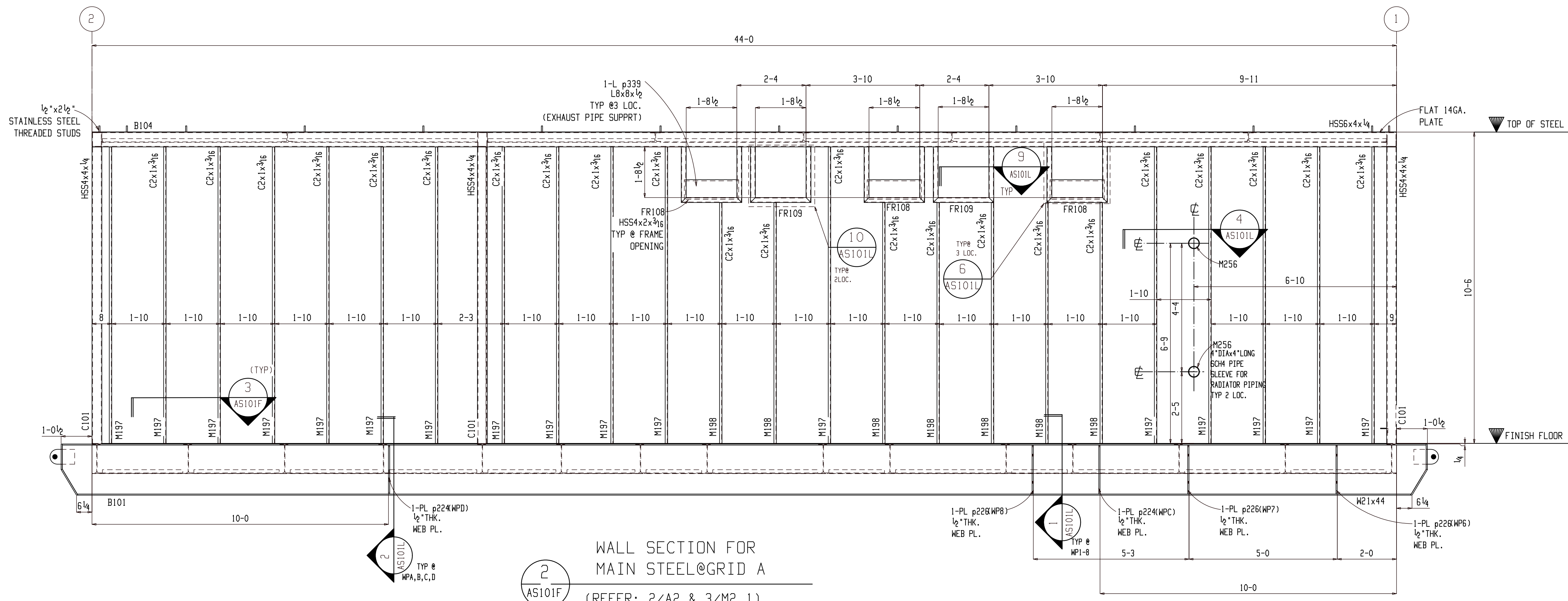
WORK THIS SHEET WITH AS101A THRU AS101M



1 WALL SECTION FOR MAIN STEEL@GRID B (REFER: 1/A2)



3 SECTION VIEW (REFER: 3/AS101F)



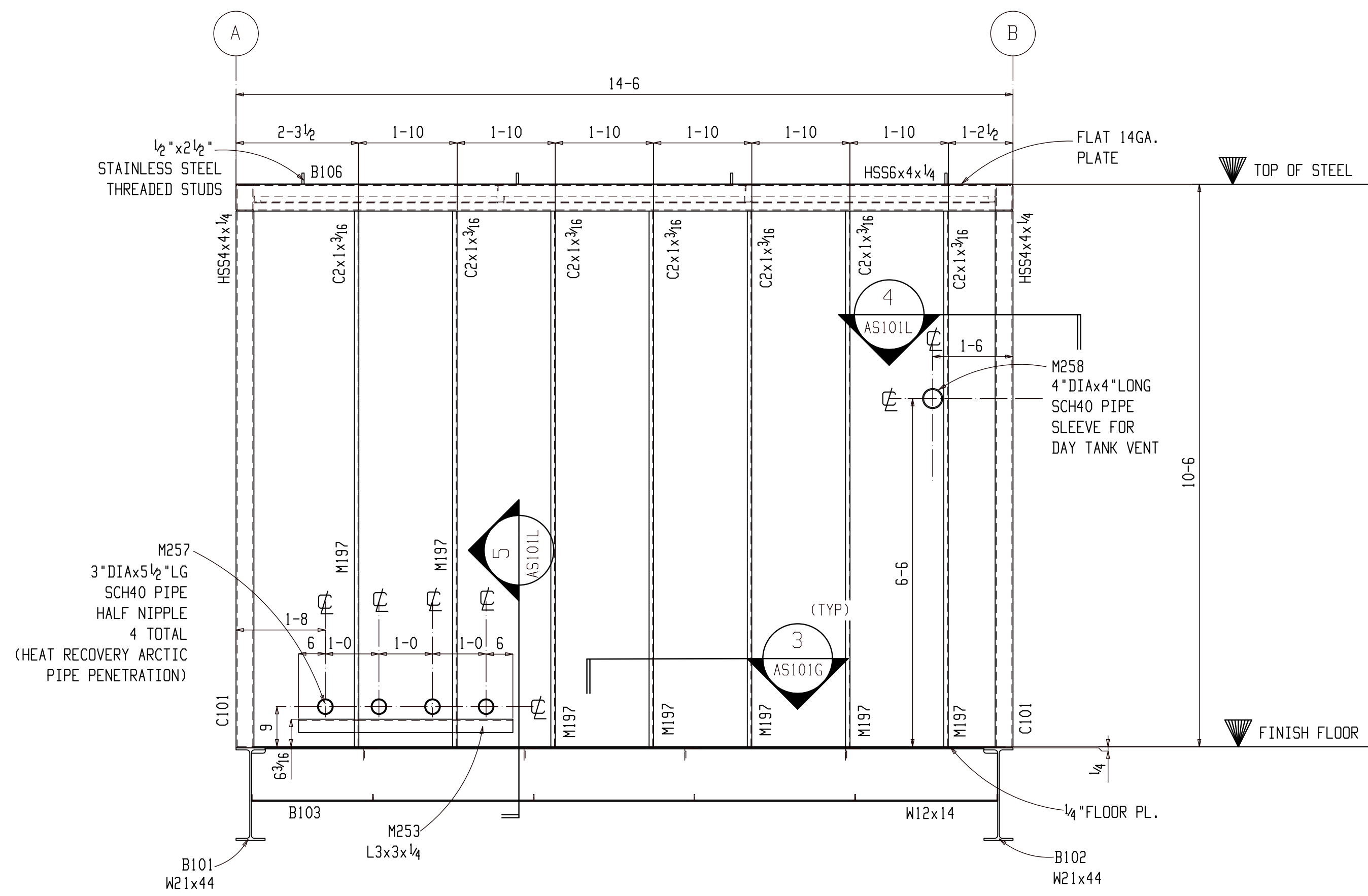
2 WALL SECTION FOR MAIN STEEL@GRID A (REFER: 2/A2 & 3/M2.1)

SHOP NOTE:
1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

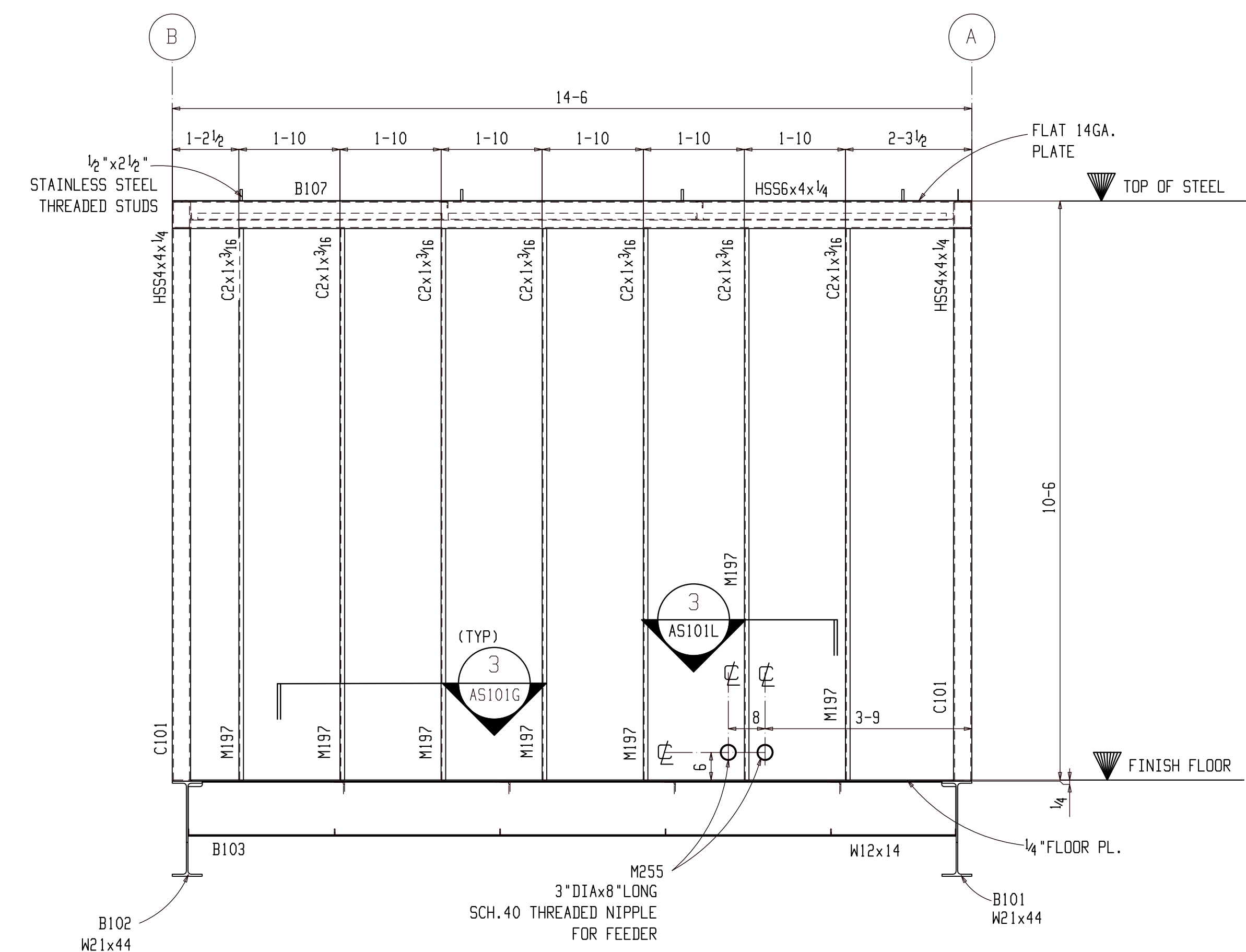
FOR FABRICATION

FIELD NOTES:			
REF. DWG/SPEC: DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN	13/160	PAINT UN	WELDS: E70XX
CLEANING:			
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (WALL VIEWS)	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	AS101F
		REV	

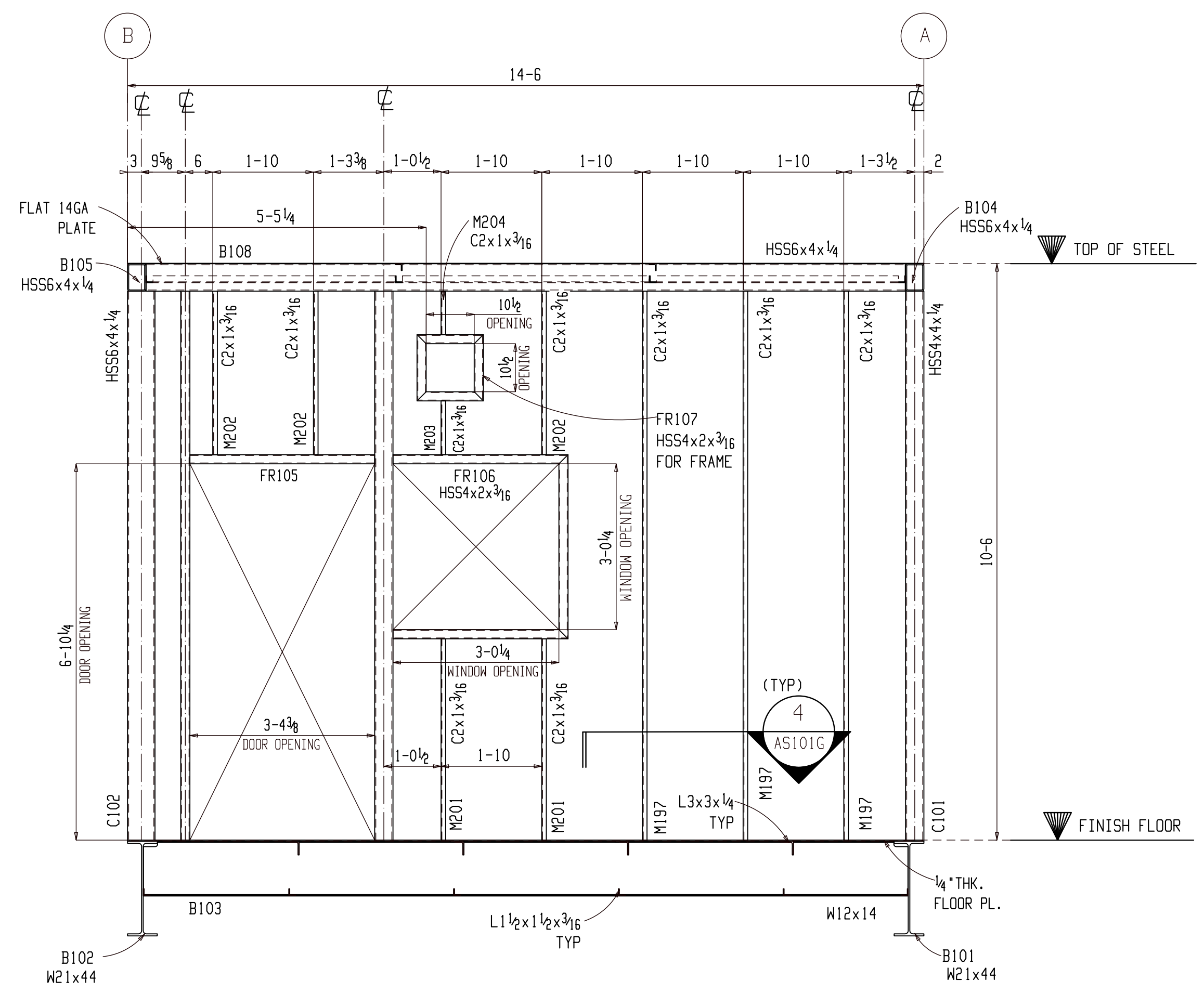
WORK THIS SHEET WITH AS101A THRU AS101M



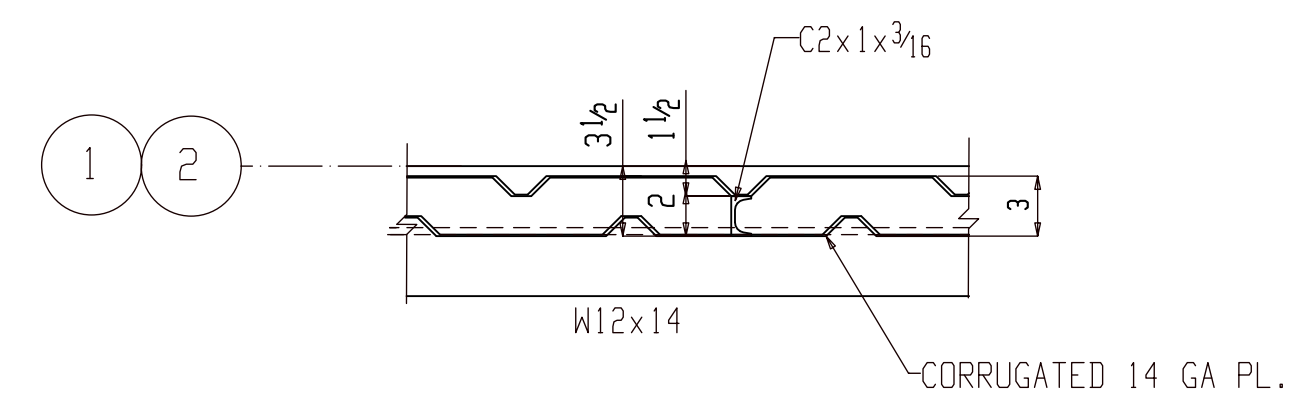
1
AS101G
WALL SECTION FOR
MAIN STEEL@GRID 1
(REFER: 4/M2.1)



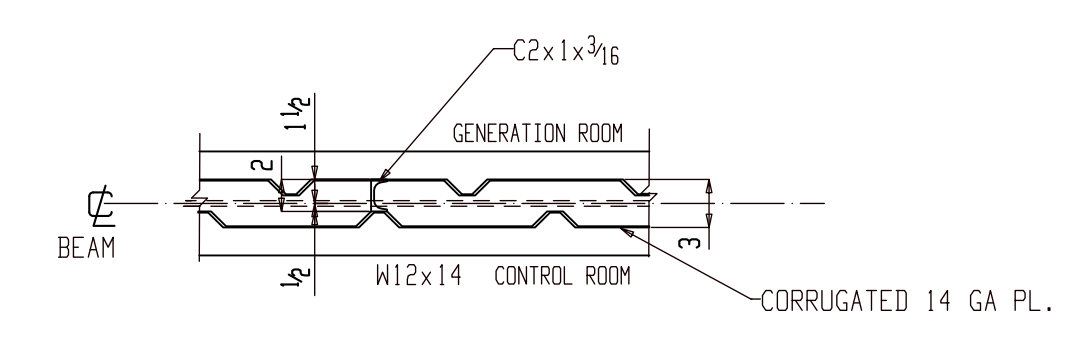
2
AS101G
WALL SECTION FOR
MAIN STEEL@GRID 2
(REFER: 2/M2.1)



3
AS101G
WALL SECTION FOR
MAIN STEEL@ CONTROL ROOM
(REFER: 3/A2 & 5/M2.1)



3
AS101G
SECTION VIEW



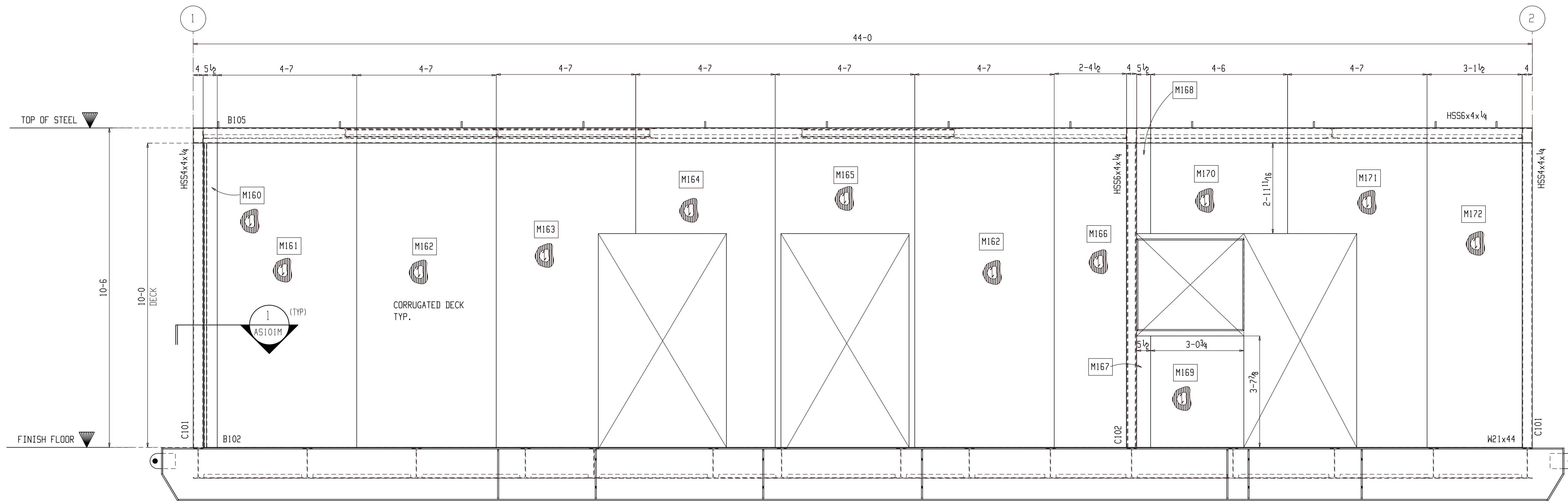
4
AS101G
SECTION VIEW

SHOP NOTE:
1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED,
ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED
TO STAY PLUMB AND SQUARE WHILE INSTALLING
CORRUGATED WALL PANELS.

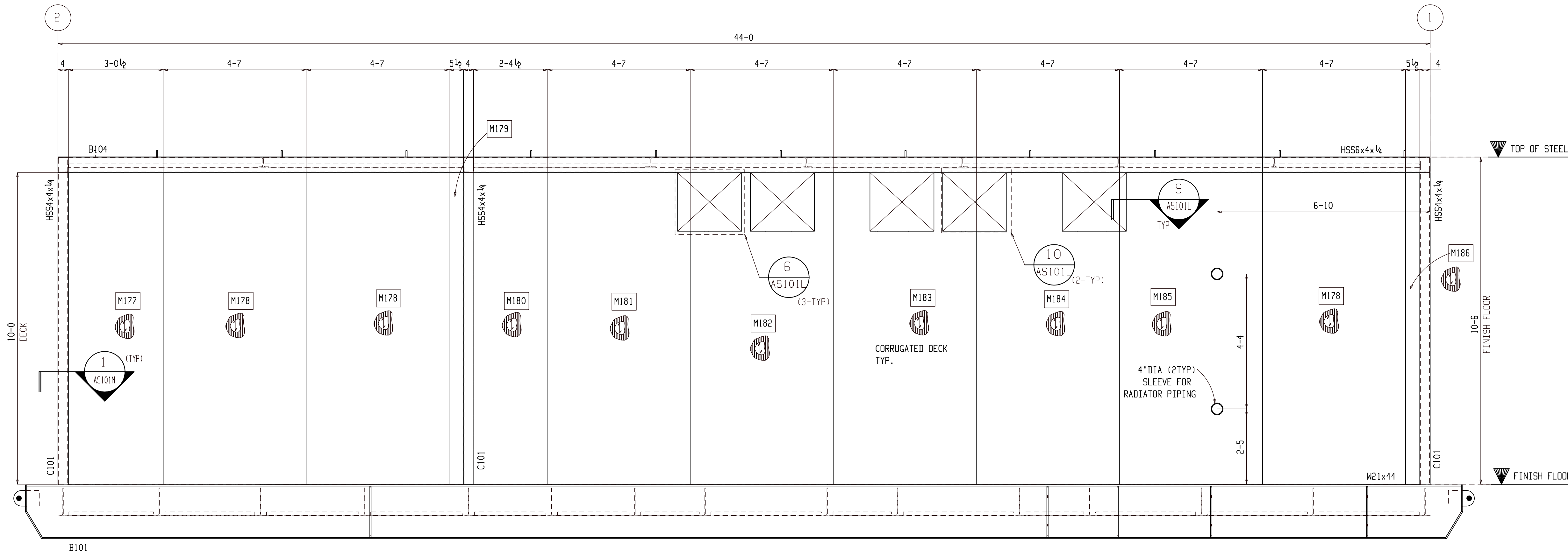
FOR FABRICATION

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN.	13/16Ø	PAINT UN.	
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (WALL VIEWS)	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	AS101G
		REV	

WORK THIS SHEET WITH
AS101A THRU AS101M



1 EXTERNAL DECK SECTION @GRID B
 AS101H (REFER: 4/M2.4)



2 EXTERNAL DECK SECTION @GRID A
 AS101H (REFER: 2/M2.4)

SHOP NOTE:
 1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

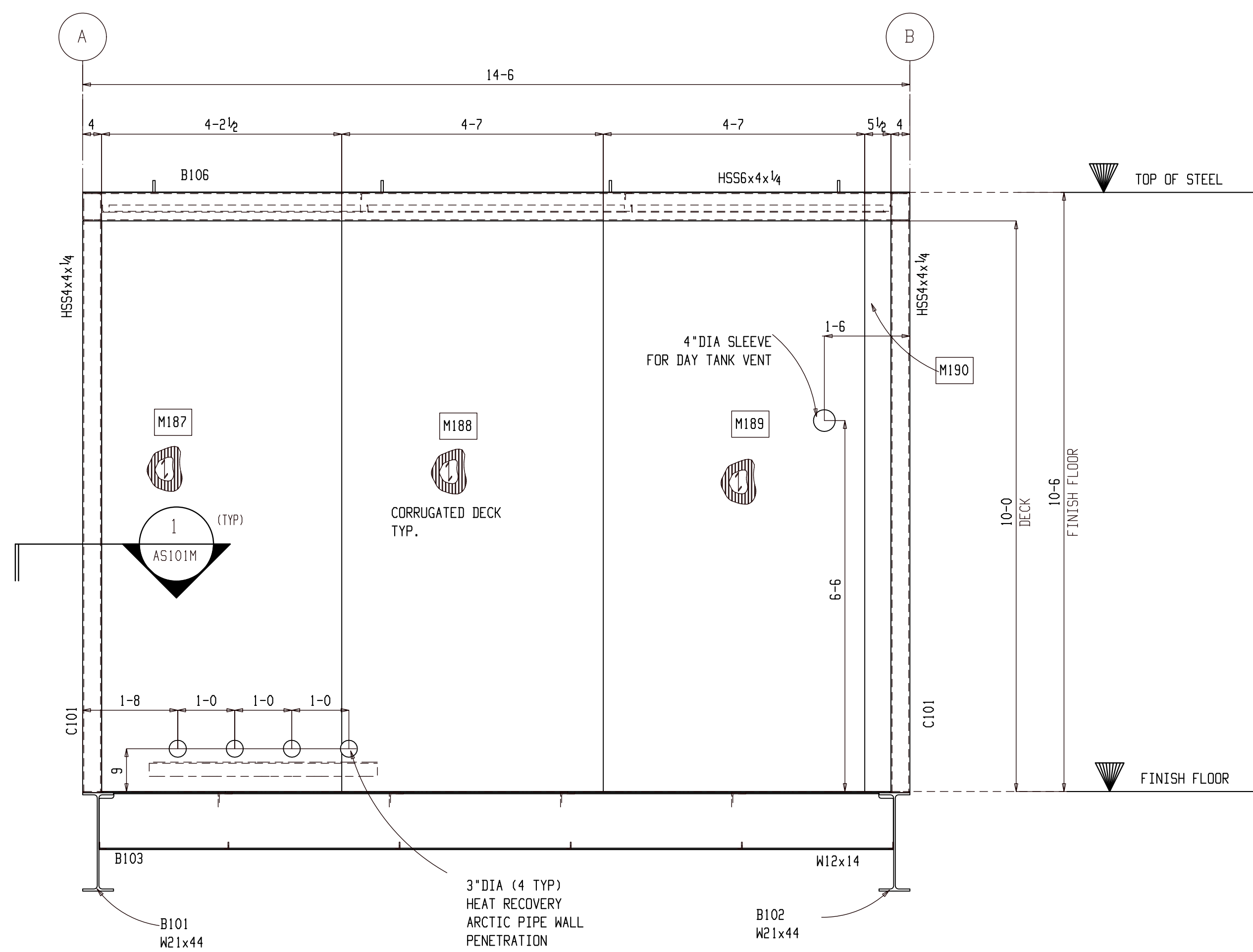
FOR FABRICATION

FIELD NOTES:

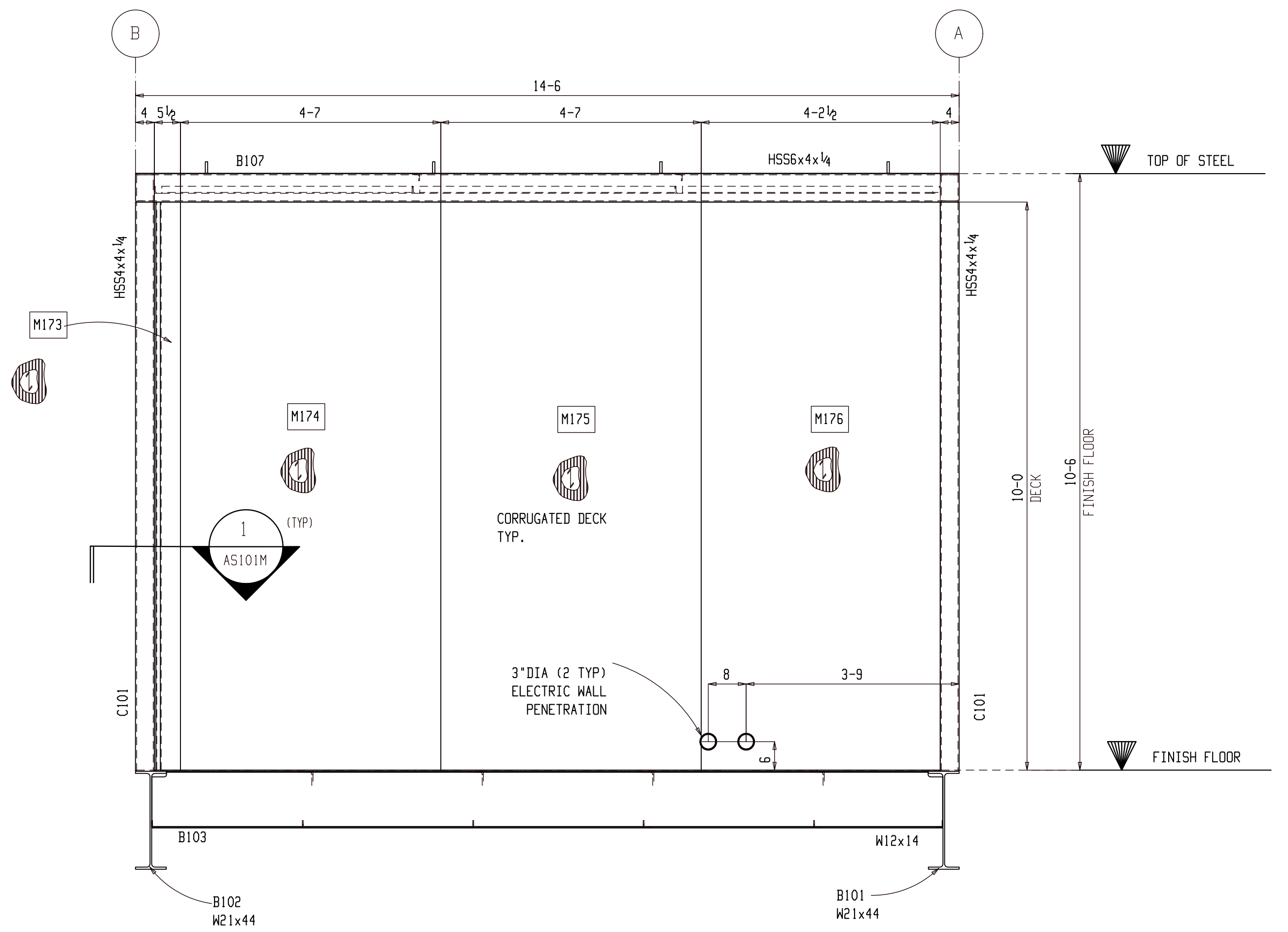
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES UN.	13/16Ø	PAINT UN.		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEWS)			JOB NUMBER	459	SHEET NO.	AS101H

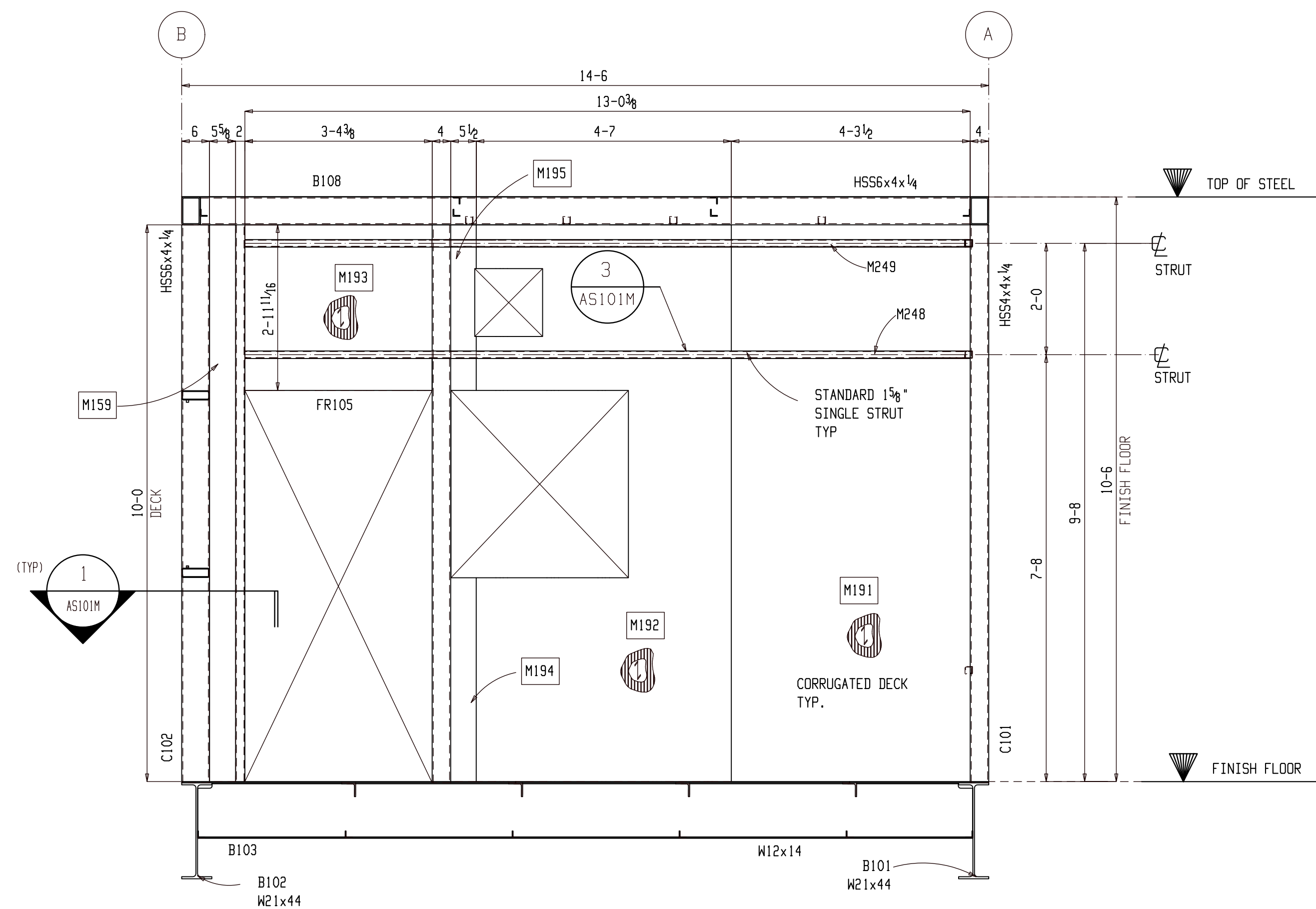
WORK THIS SHEET WITH
 AS101A THRU AS101M



1 EXTERNAL DECK SECTION @GRID 1
AS101I (REFER: 1/M2.4)



2 EXTERNAL DECK SECTION @GRID 2
AS101I (REFER: 1/M2.4)



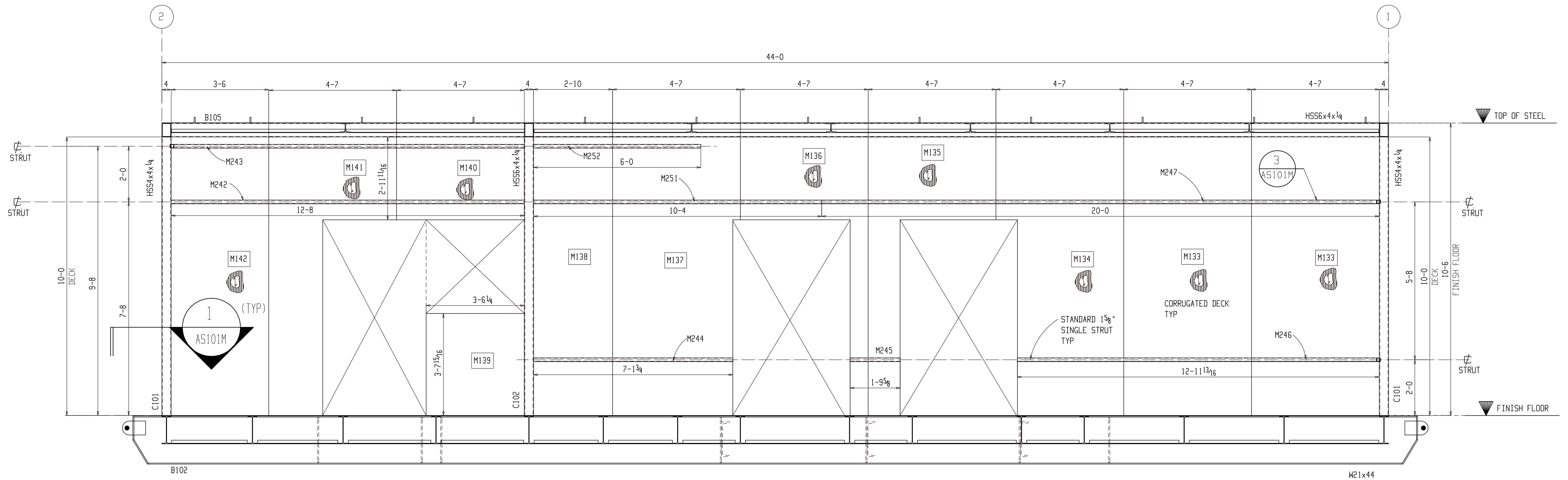
3 EXTERNAL DECK SECTION @CONTROL ROOM
AS101I (REFER: 6/M2.4)

SHOP NOTE:
1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

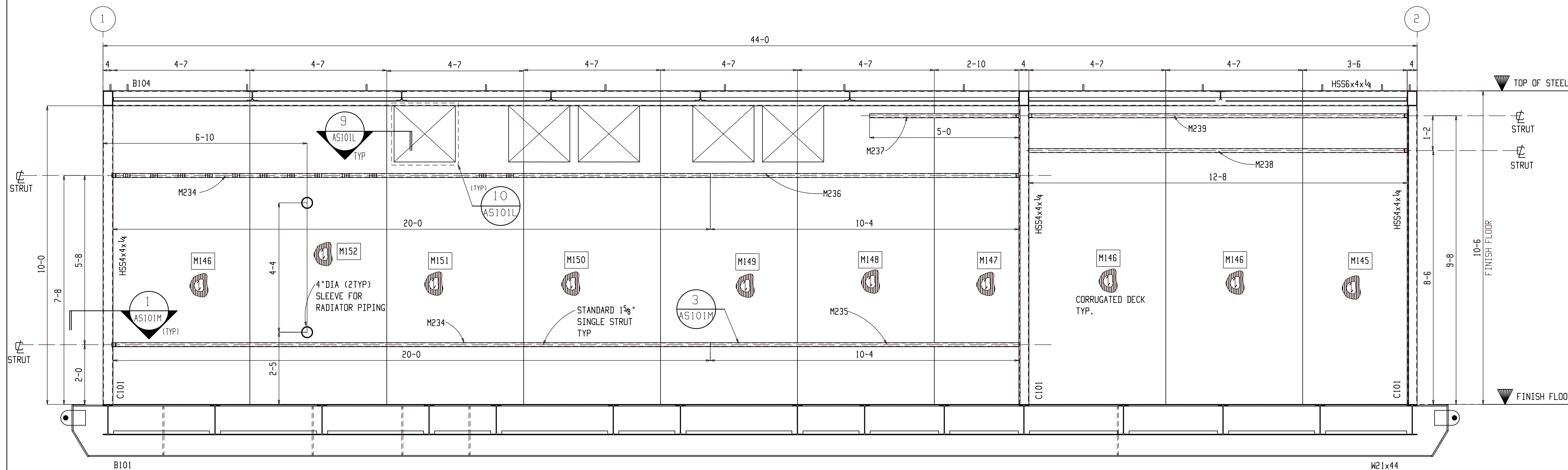
FOR FABRICATION

FIELD NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEWS)	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	AS101I
		REV	

WORK THIS SHEET WITH
AS101A THRU AS101M



1 INTERNAL DECK SECTION @GRID B
AS101J (REFER: 4/M2.4)



2 INTERNAL DECK SECTION @GRID A
AS101J (REFER: 2/M2.4)

SHOP NOTE:
1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

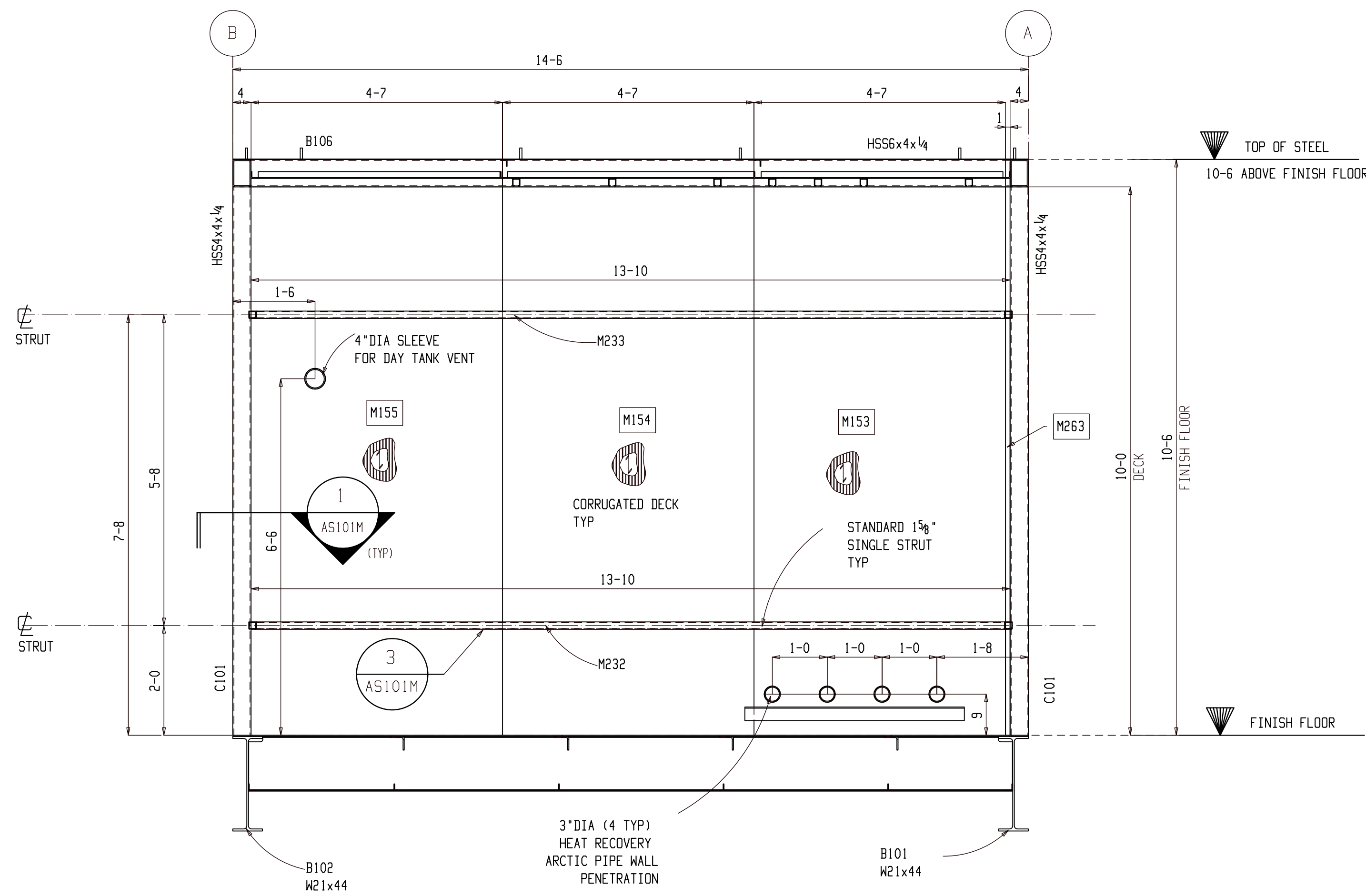
FOR FABRICATION

FIELD NOTES:

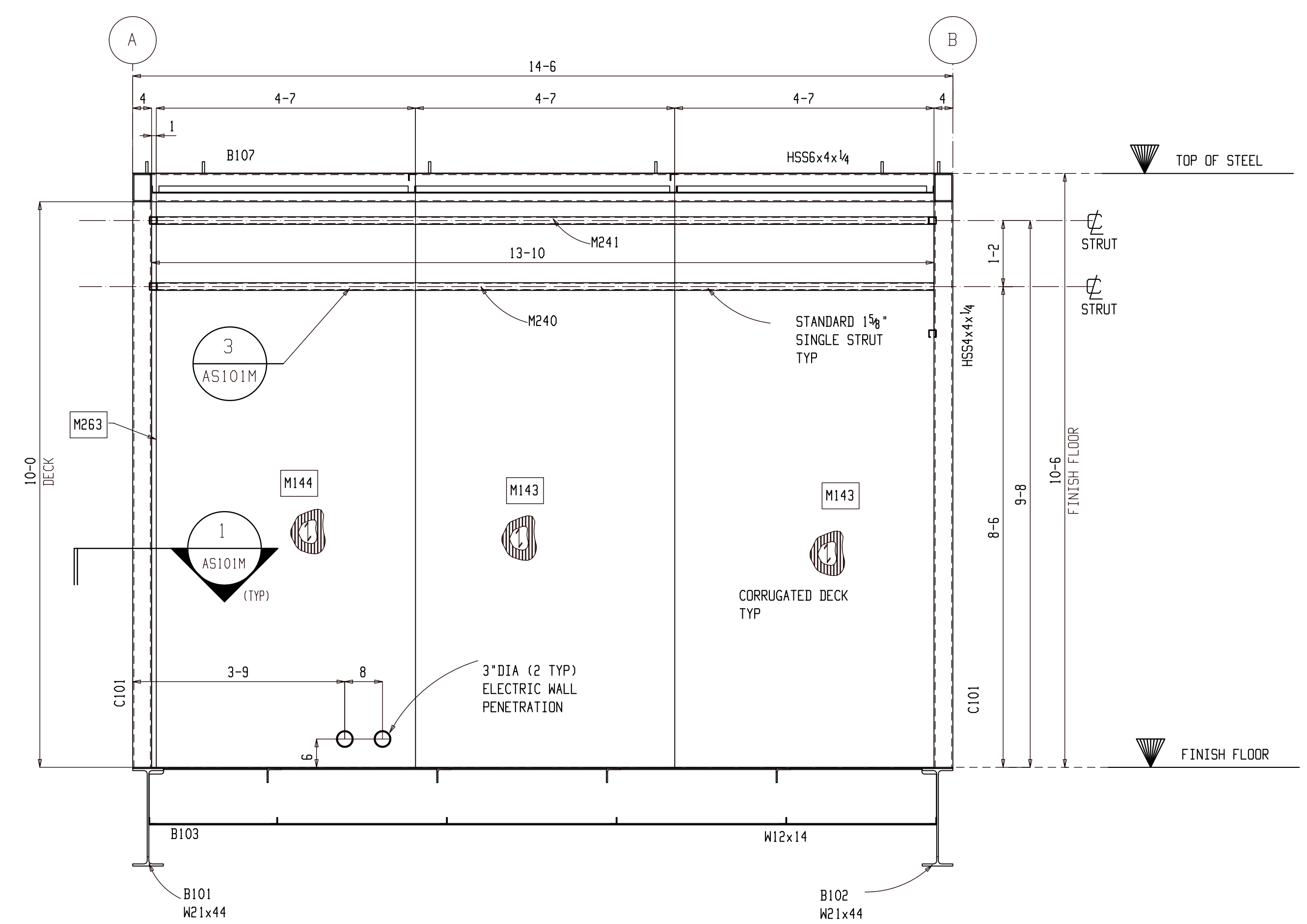
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

REF. DWG/SPEC:	DEG REF. SPEC. / DWG:	HOLES U.N.	PAINT U.N.	WELDS:	E70XX	CLEANING:
		13/16Ø				
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN	
LOCATION:	ALASKA	SCALE:	N.A.	DATE:	05-26-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER:	459	SHEET NO.:	AS101J	REV:
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEWS)					

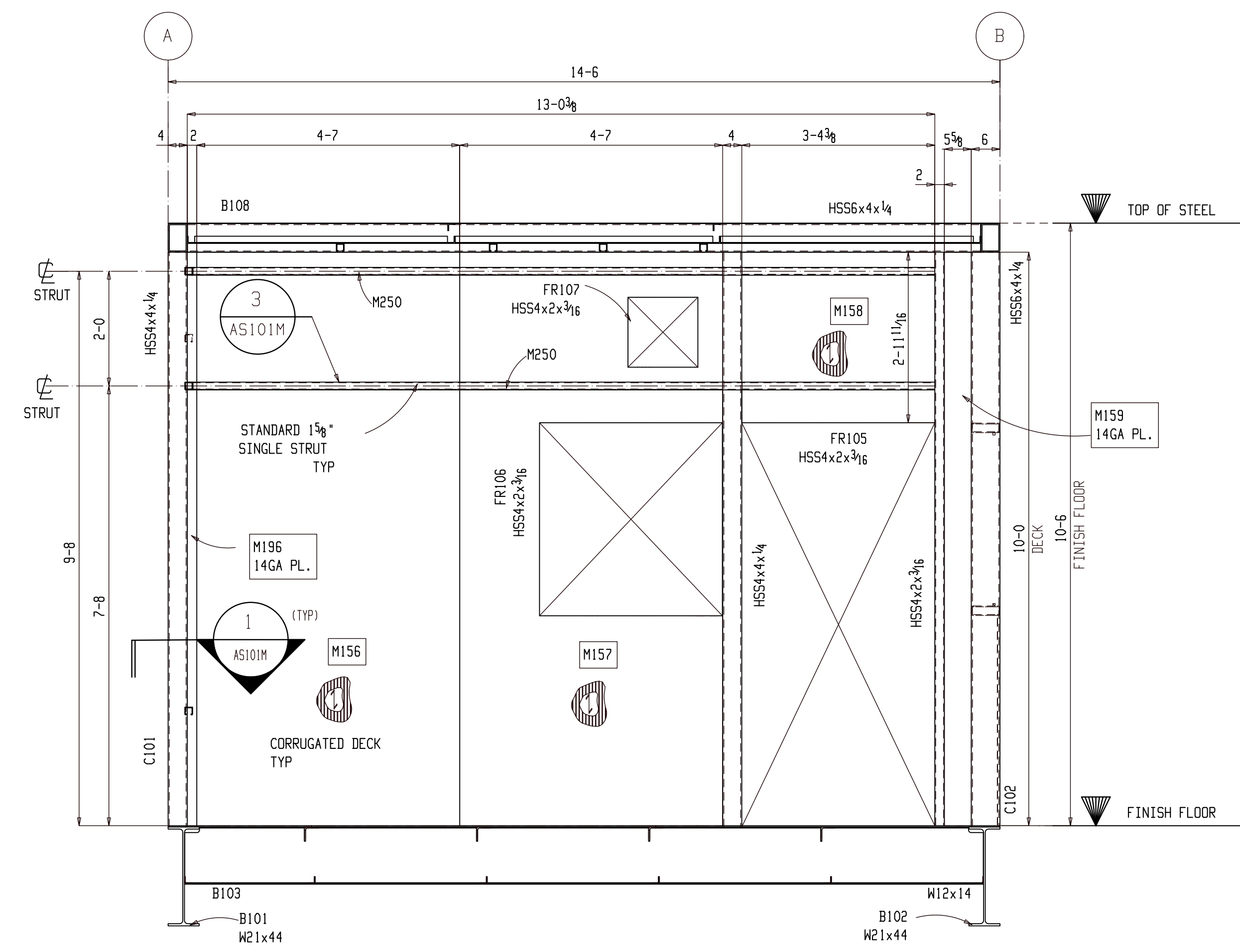
WORK THIS SHEET WITH
AS101A THRU AS101M



1 INTERNAL DECK SECTION @GRID 1
 (REFER: 1/M2.4)



2 INTERNAL DECK SECTION @GRID 2
 (REFER: 2/M2.4)



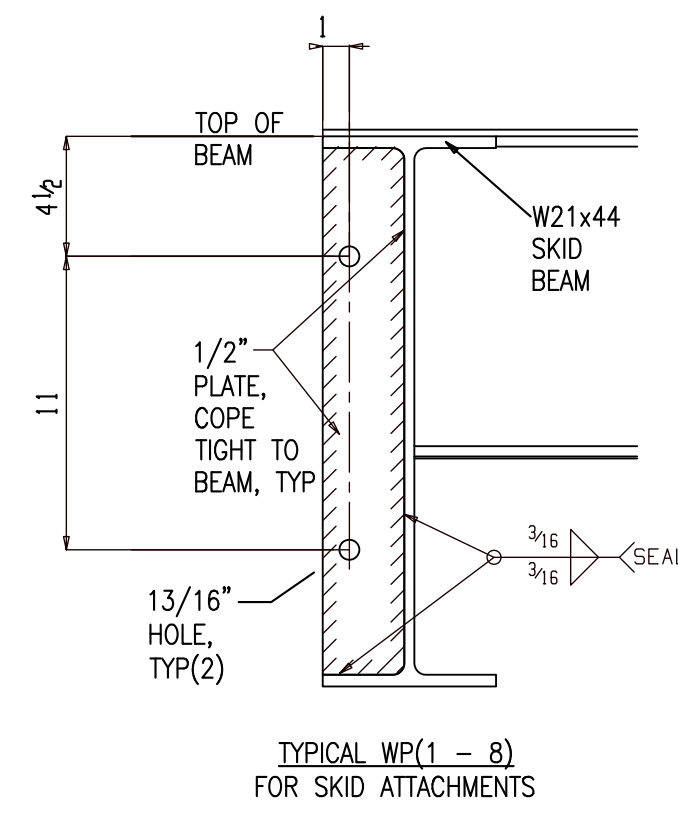
3 INTERNAL DECK SECTION @CONTROL ROOM
 (REFER: 6/M2.4)

SHOP NOTE:
 1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

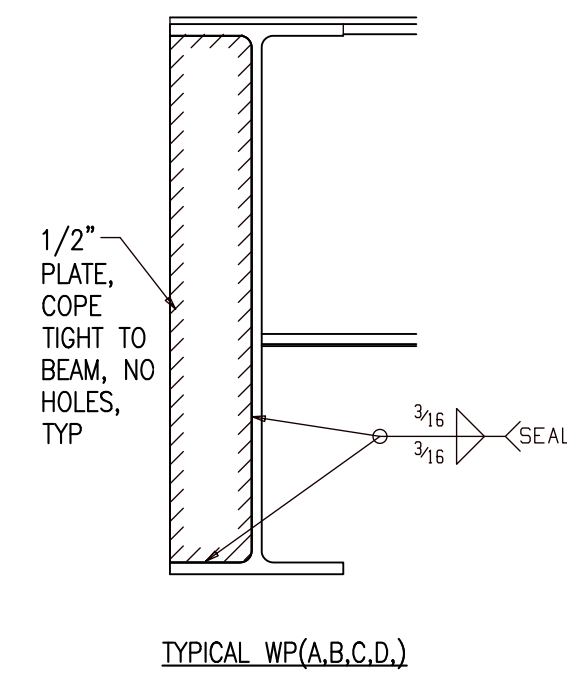
FOR FABRICATION

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	WELDS: E70XX
CLEANING:			
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEW)	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	AS101K
		REV:	

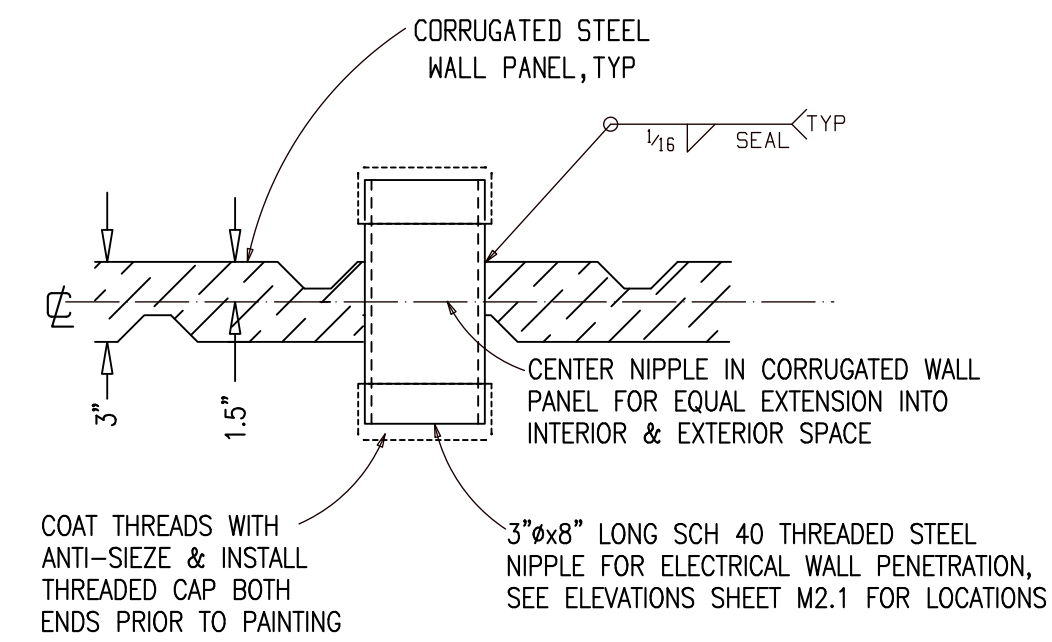
WORK THIS SHEET WITH
 AS101A THRU AS101M



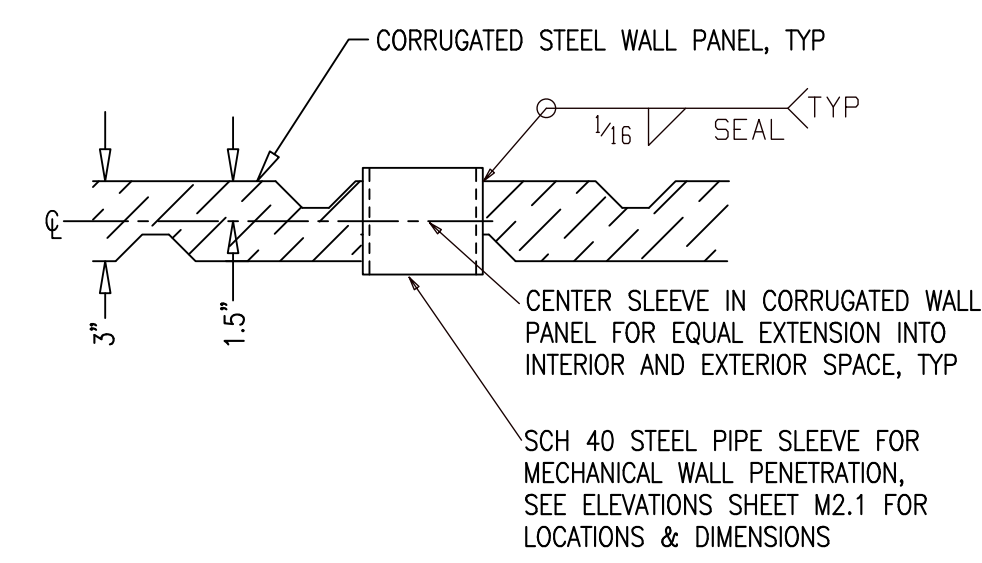
1 TYP WEB PLATE
AS101L (REFER: 5/S2)



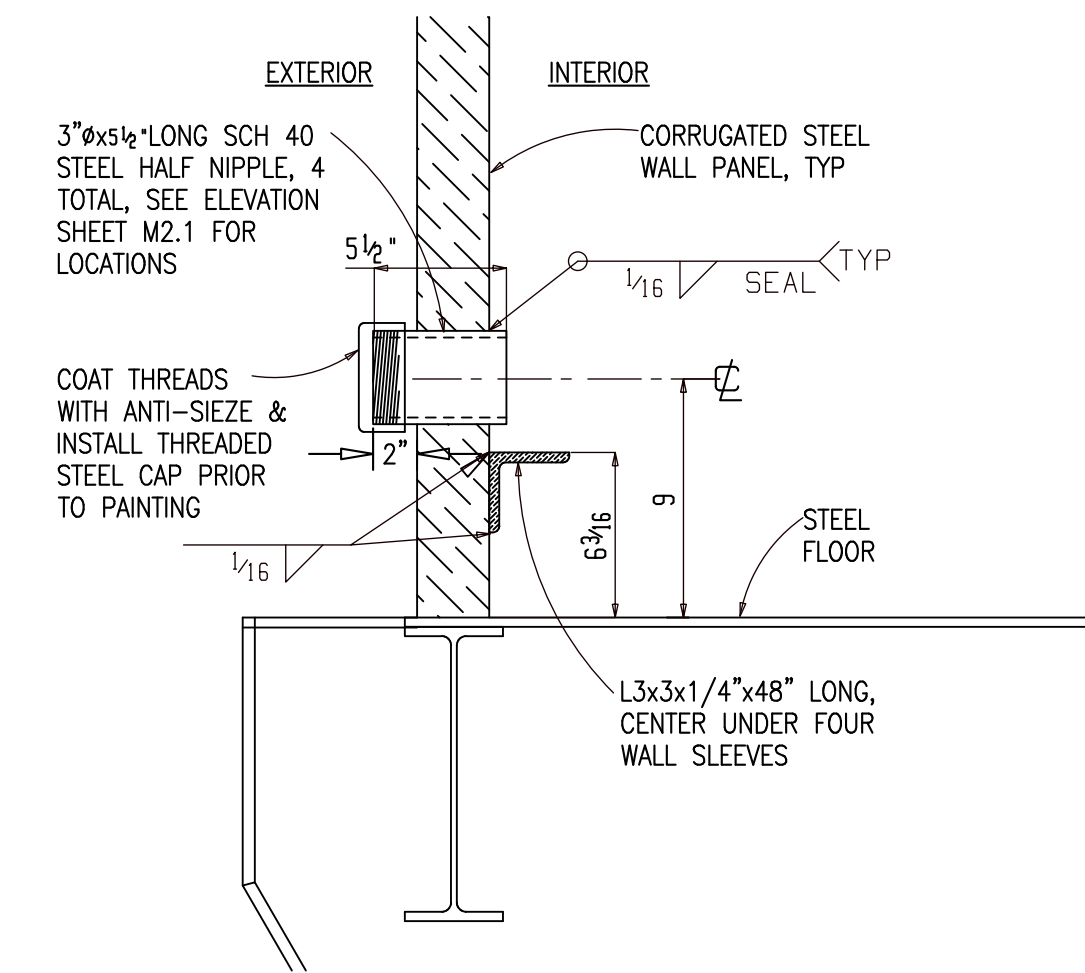
2 TYPICAL WEB PLATE
AS101L (REFER: 5/S2)



3 TYP. ELECTRIC POWER FEEDER
CONDUCTOR WALL PENETRATION
AS101L (REFER: 7/M2.2)

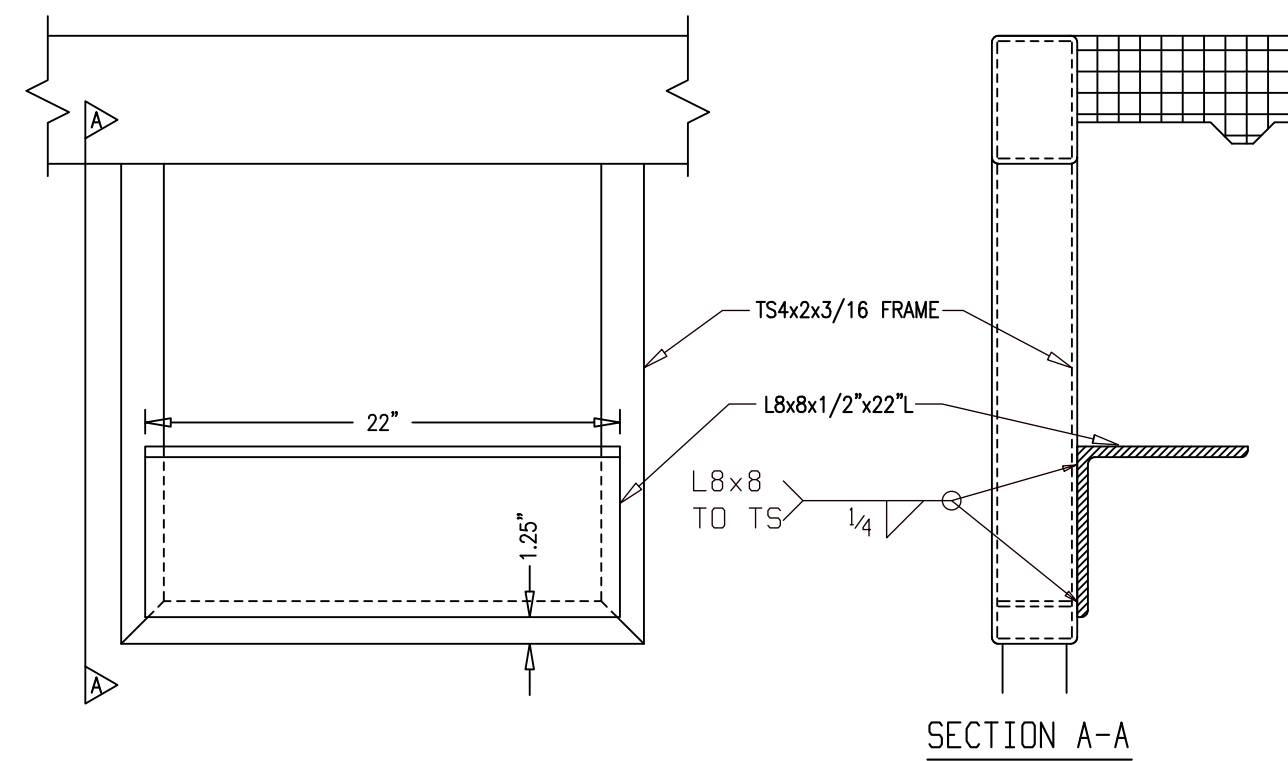


4 TYP. WALL PENETRATION
PIPE SLEEVE
AS101L (REFER: 5/M2.2)

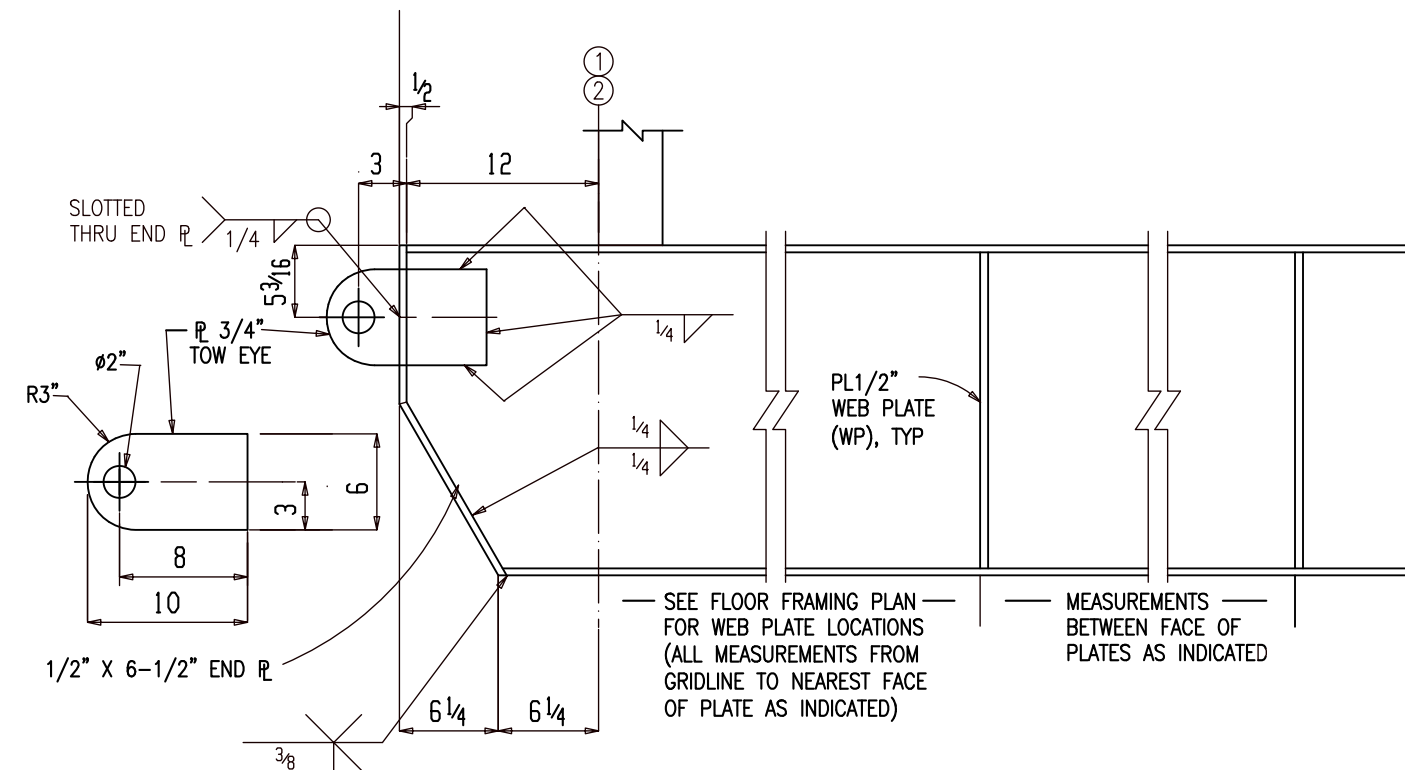


5 TYP. HEAT RECOVERY
ARCTIC PIPE PENETRATION
AS101L (REFER: 6/M2.2)

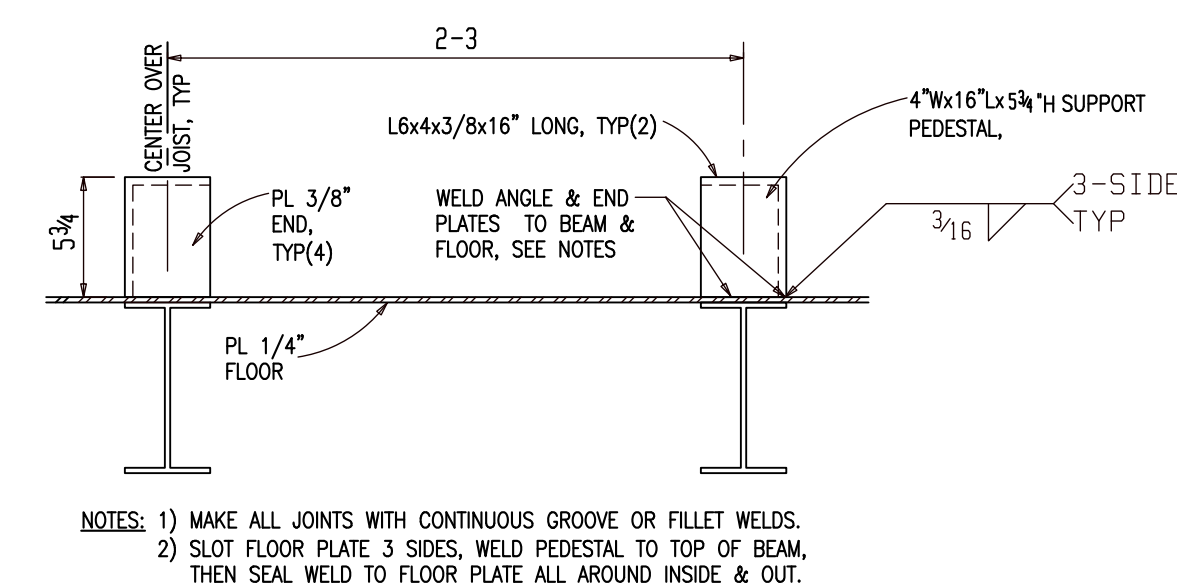
NOTE: DO NOT SHEAR WEB PLATES. CUT WITH WATER JET, TORCH, OR SAW.



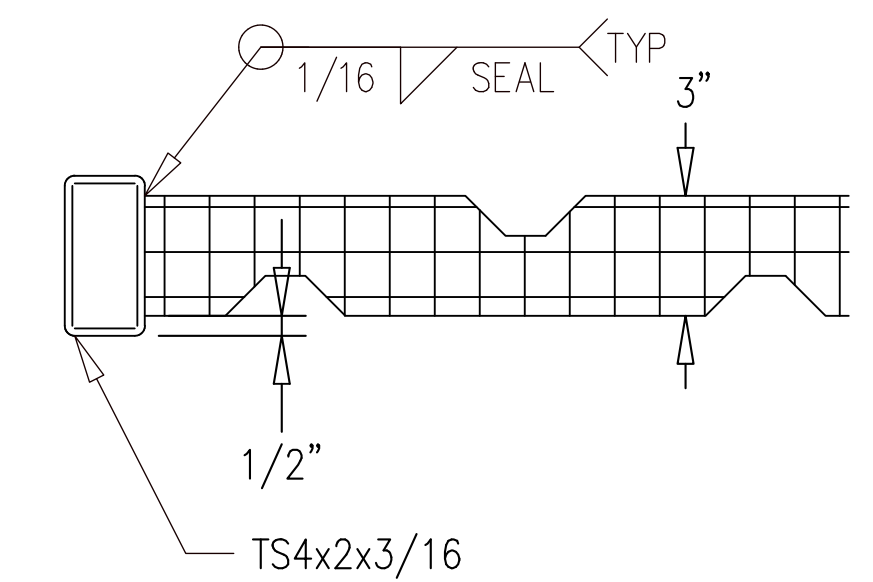
6 EXHAUST PIPE SUPPORT
@ FRAME OPENING
AS101L (REFER: 4/M2.2)



7 TYP SKID BEAM
END ELEVATION
AS101L (REFER: 3/S2)

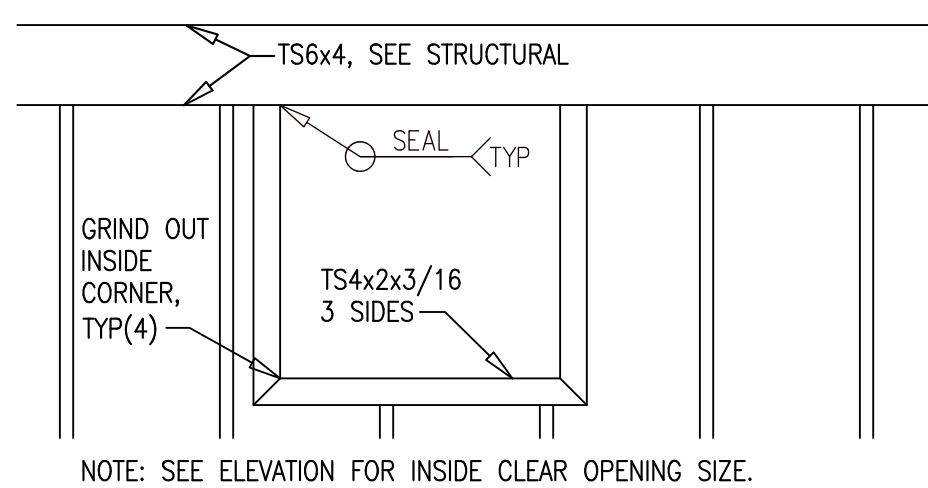


8 SUPPORT PEDSTAL
FABRICATION
AS101L (REFER: 4/M2.3)

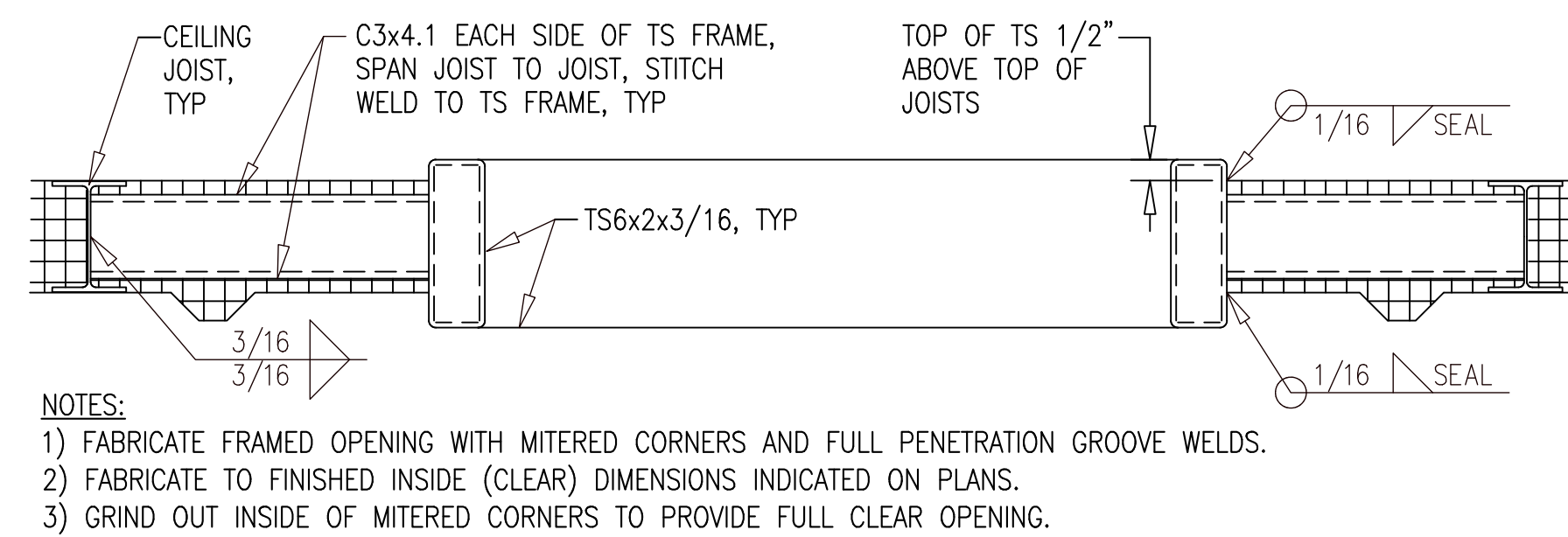


- NOTES:
- 1) FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
 - 2) FABRICATE TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON ELEVATIONS.
 - 3) GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

9 TYPICAL SECTION
THROUGH WALL OPENING
AS101L (REFER: 3/M2.2)



10 TYP. WALL
OPENING SECTION
AS101L (REFER: 2/M2.2)



11 TYP ROOF
OPENING SECTION
AS101L (REFER: 1/M2.2)

FOR FABRICATION

FIELD NOTES:

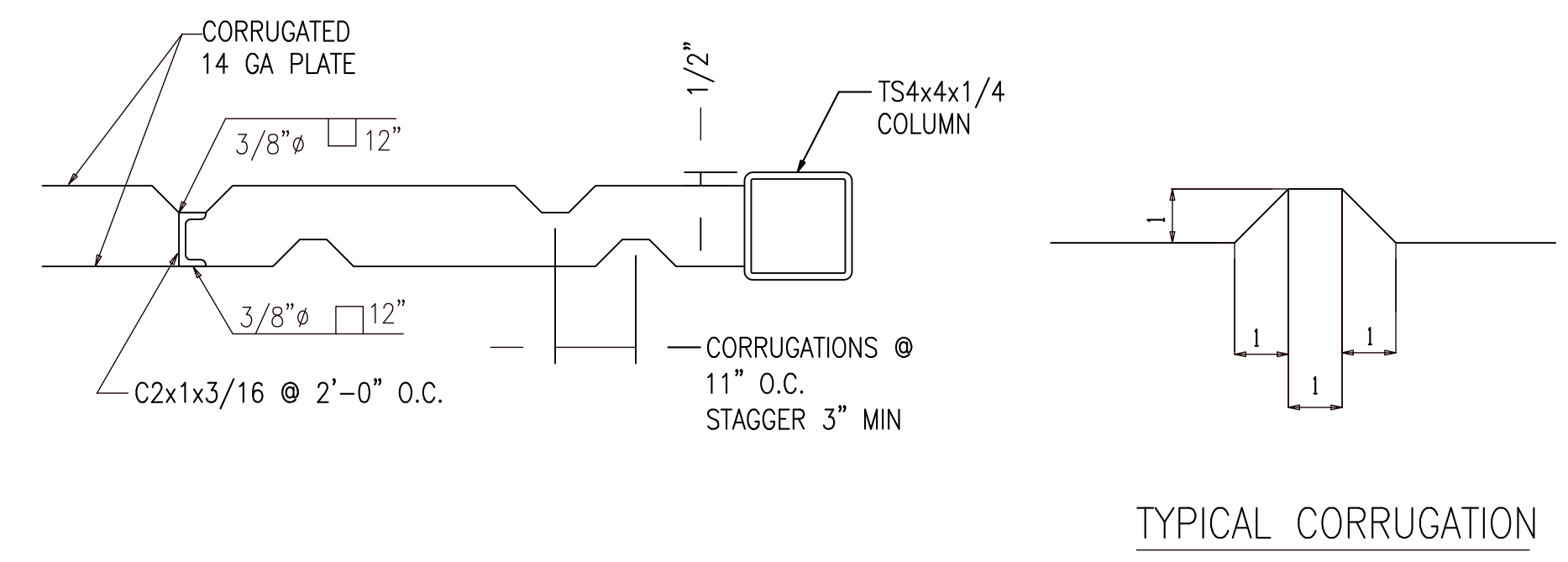
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES UN.	PAINT UN.	WELDS	CLEANING
13/16Ø		E70XX	
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: ASSEMBLY AS101 SECTIONS	JOB NUMBER: 459	SHEET NO.: AS101L	REV: △

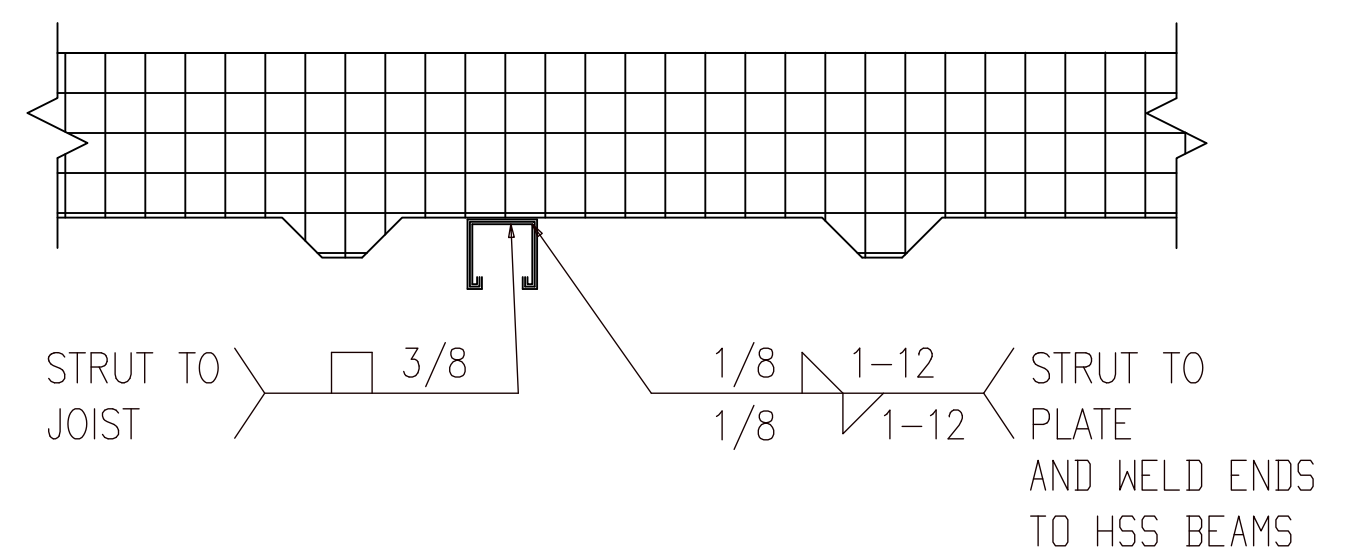
WORK THIS SHEET WITH
AS101A THRU AS101M

HORIZONTAL WALL STRUT INSTALLATION NOTES:

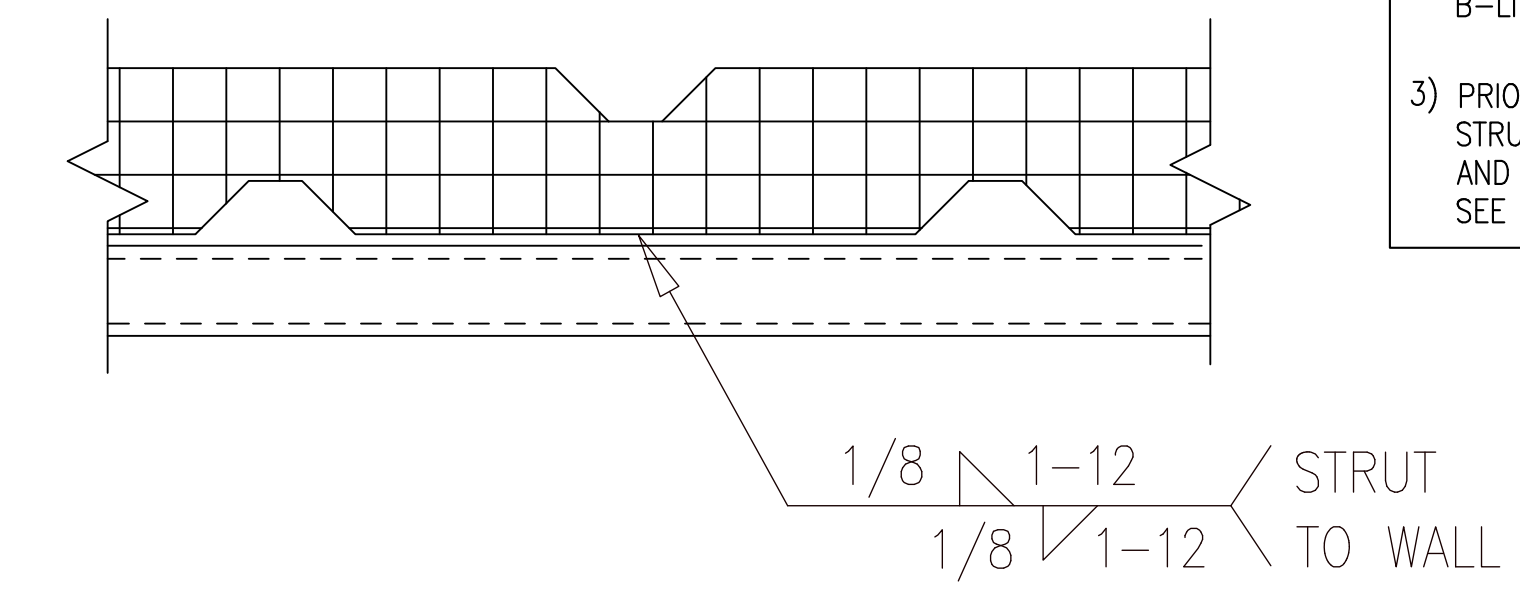
- 1) ALL LOCATIONS ARE CENTERLINE OF STRUT ABOVE FINISHED FLOOR (AFF).
- 2) ALL STRUT SHALL BE 12 GAUGE, 1-5/8" x 1-5/8", PLAIN (UN-FINISHED BLACK) WITH SOLID BACK, B-LINE B22-PLN OR EQUAL.
- 3) PRIOR TO PAINTING MODULE, WELD ALL HORIZONTAL STRUT SECTIONS TO WALLS AS SHOWN. SANDBLAST AND PAINT STRUT WITH MODULE INTERIOR WALLS. SEE SHEET A1 FOR PAINTING SPECIFICATIONS.



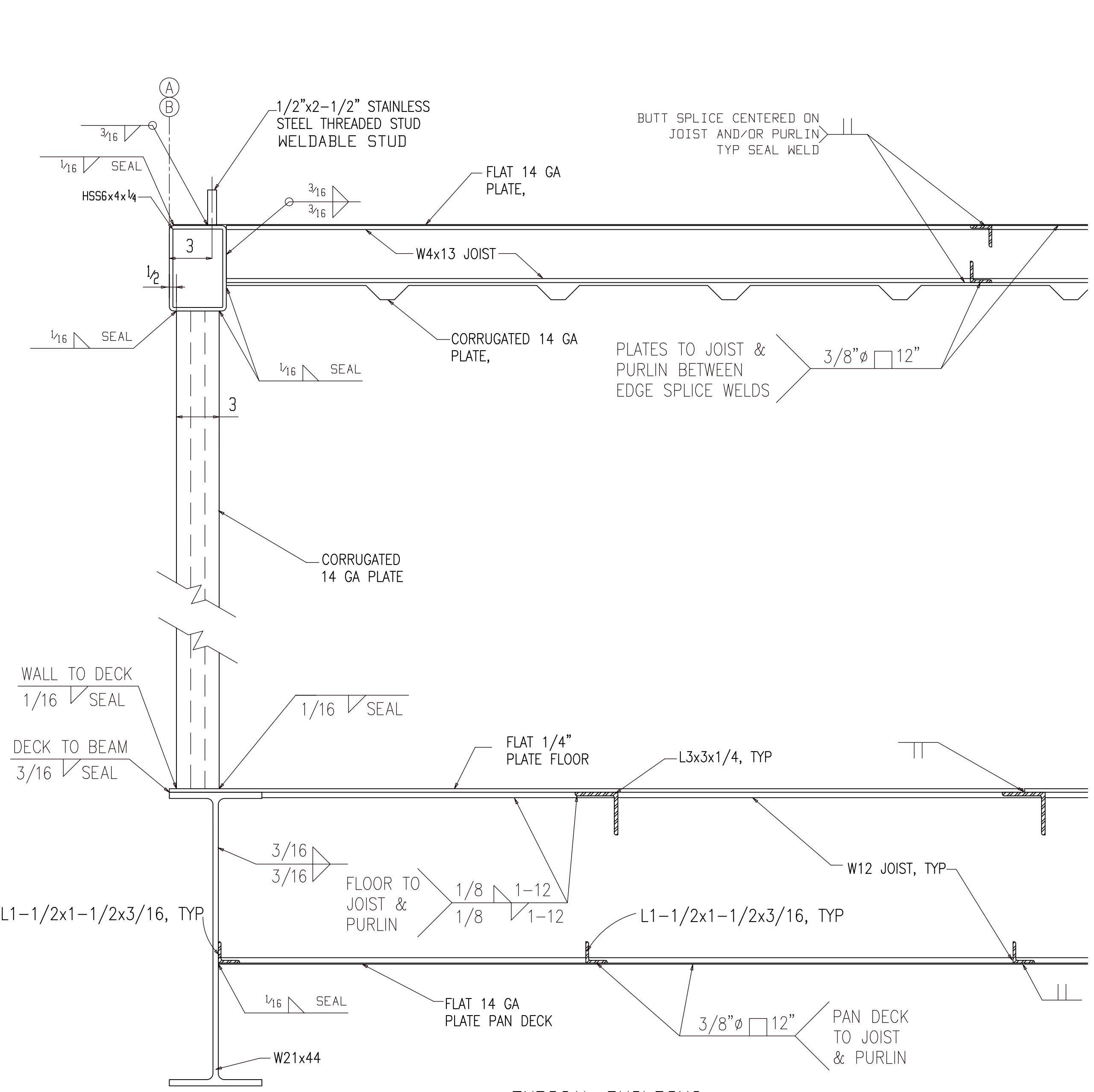
1
TYP. EXTERIOR WALL SECTION
AS101M (REFER: 3, 4/S3)



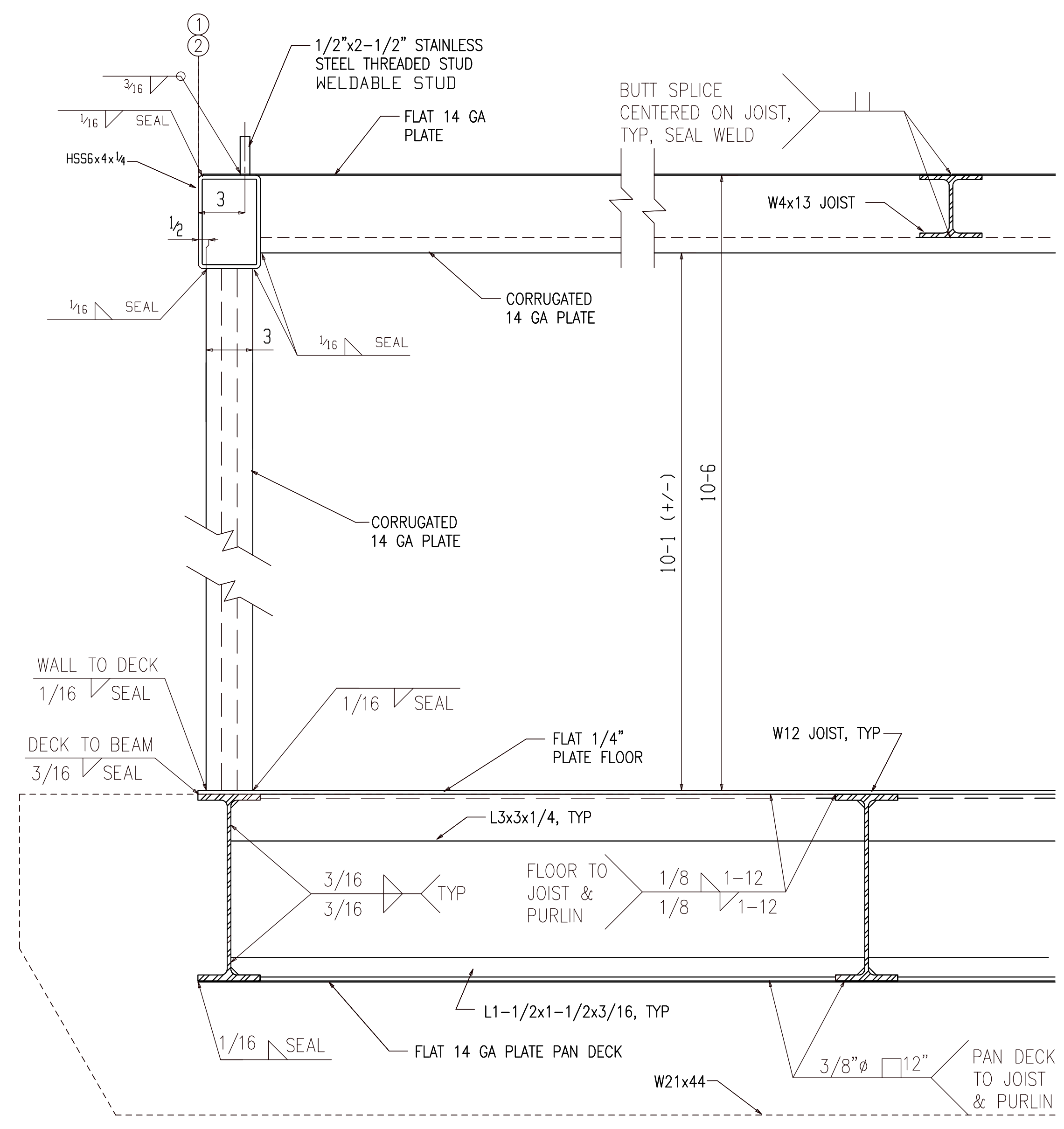
2
STRUT ATTACHMENT TO CEILING
AS101M (REFER: 3/M2.3)



3
HORIZONTAL WALL STRUT ATTACHMENT
AS101M (REFER: 7/M2.4)



4
TYPICAL BUILDING SECTION
AS101M (REFER: 1/S3)



5
TYPICAL BUILDING SECTION
AS101M (REFER: 2/S3)

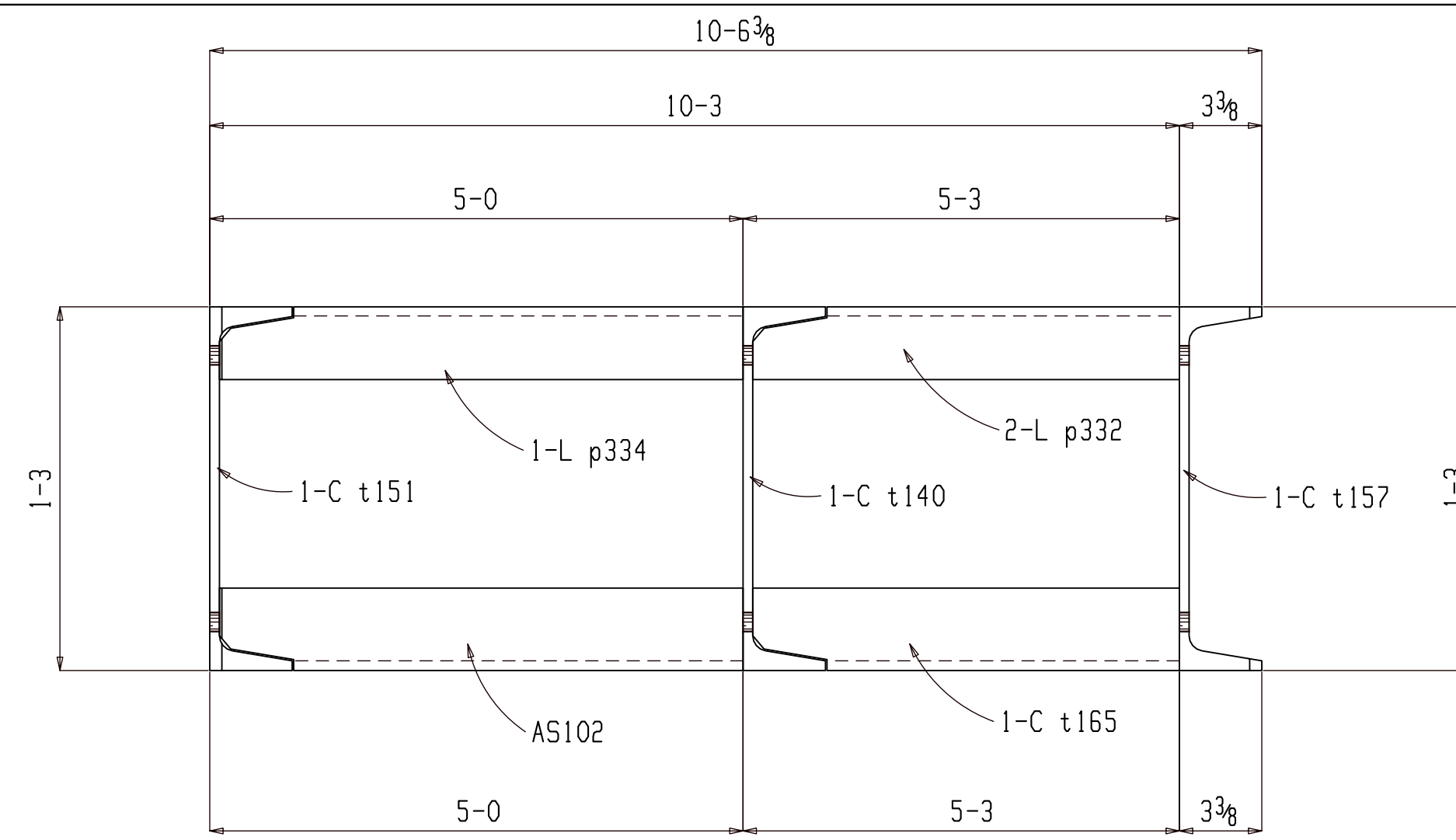
FOR FABRICATION

FIELD NOTES:

REF. DWG/SPEC:	
DEG REF. SPEC. / DWG:	
△ For Fabrication	ALN 07-18-22
△ For Re-Approval	ALN 07-04-22
△ For Approval	ALN 06-20-22
REV.	DESCRIPTION BY DATE

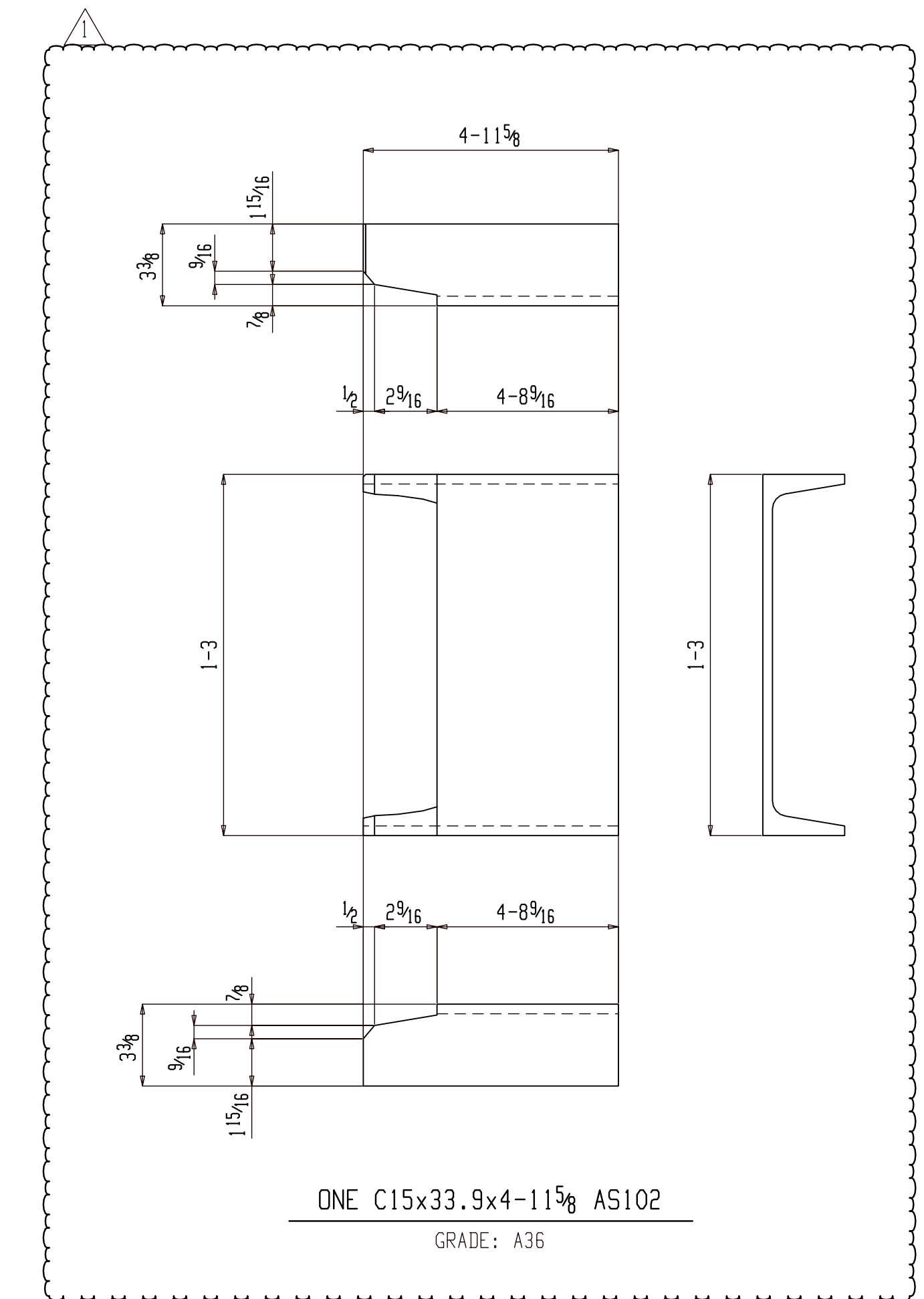
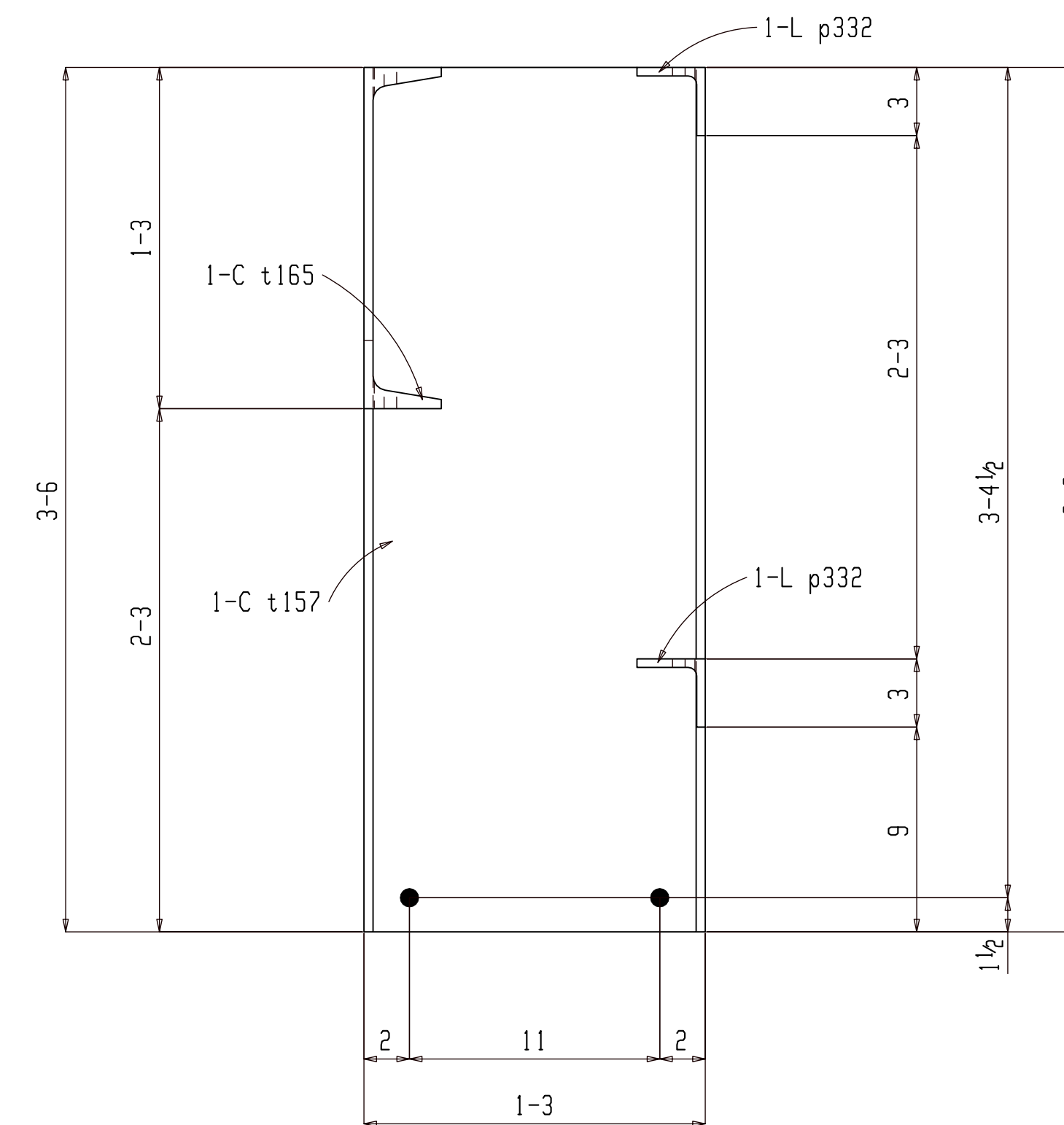
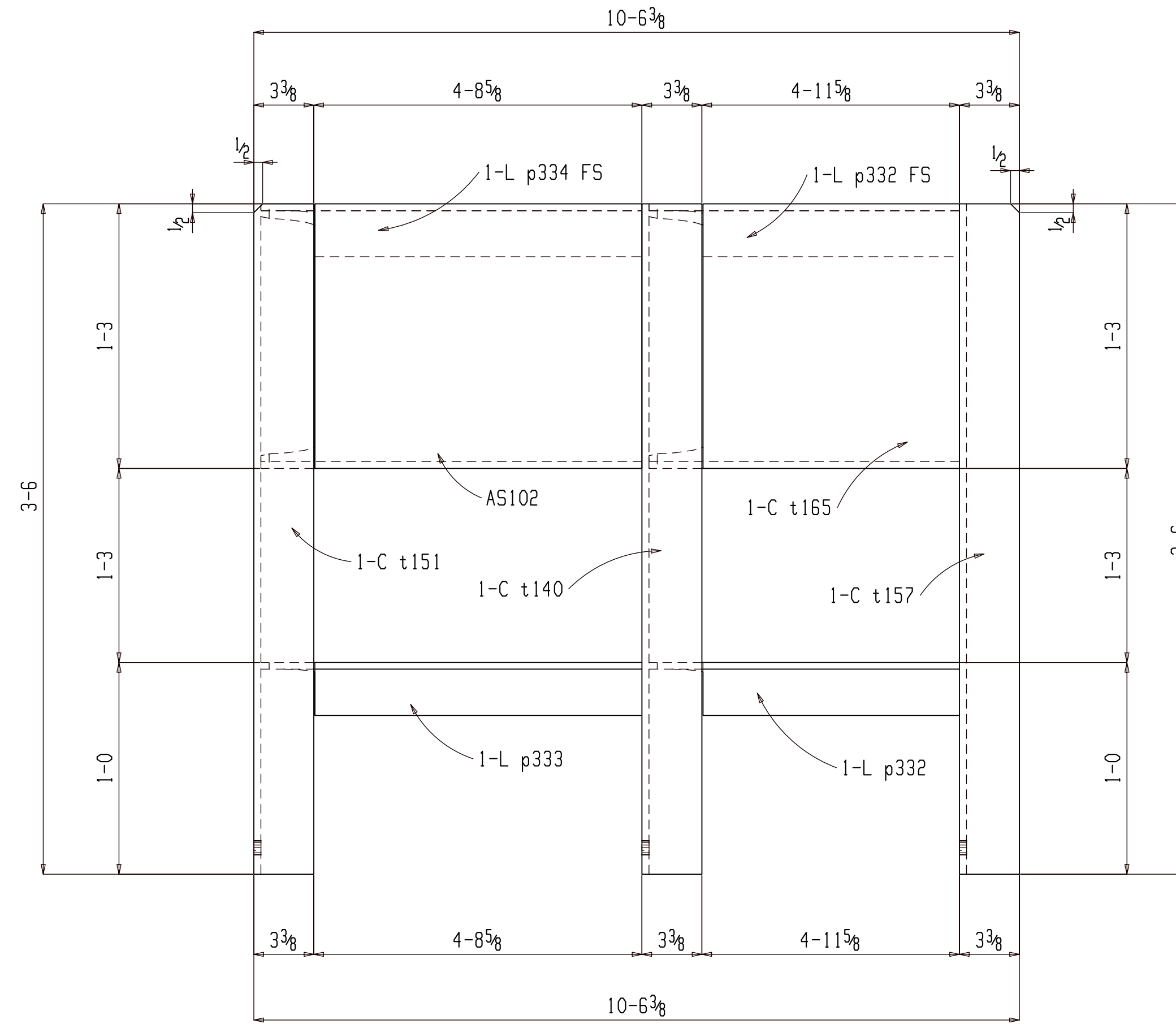
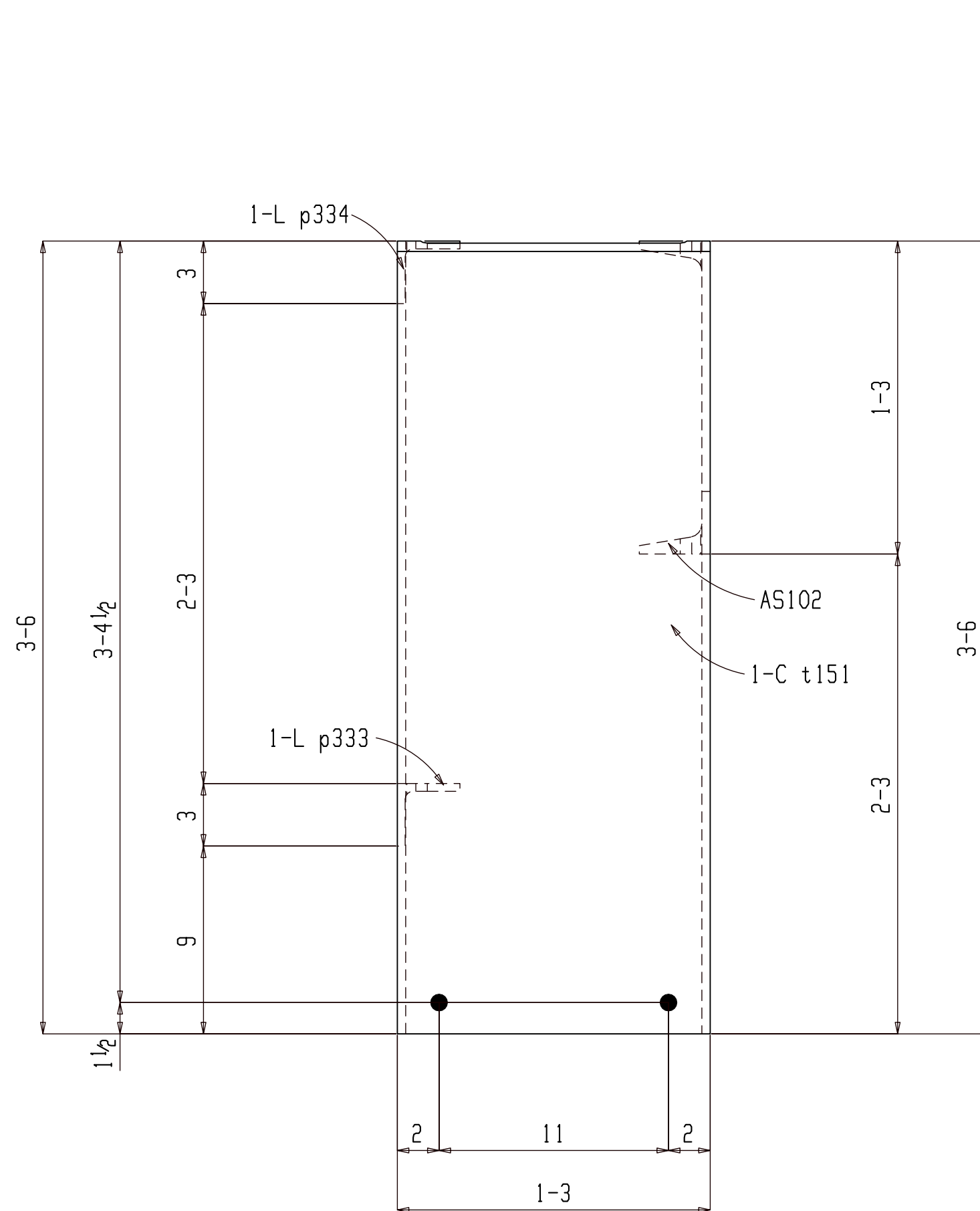
HOLES UN:	13/16Ø	PAIN UN:		WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS101 SECTIONS	JOB NUMBER:	459	SHEET NO.:	AS101M	REV:	△

WORK THIS SHEET WITH AS101A THRU AS101M



SHOP NOTE:

1. UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
2. SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
3. FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
4. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4" FILLET WELDS.



ONE ASSEMBLY AS102

(E REFER: E101)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS102		ONE	ASSEMBLY		(GALV)		848
	AS102	1	C15x33.9	4-11 5/8		A36	168
	p334	1	L3x3x3 3/8	4-11 5/8		A36	36
	p333	1	L3x3x3 3/8	4-11 5/8		A36	36
	p332	2	L3x3x3 3/8	5-2 5/8		A36	75
	t165	1	C15x33.9	5-2 5/8		A36	177
	t157	1	C15x33.9	3-6		A36	119
	t151	1	C15x33.9	3-6		A36	119

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	t140	1	C15x33.9	3-6		A36	119
		6	FIELD BOLTS				
		2	TC 3/4 Dia A325N		+1HD WASH		
					GALV		

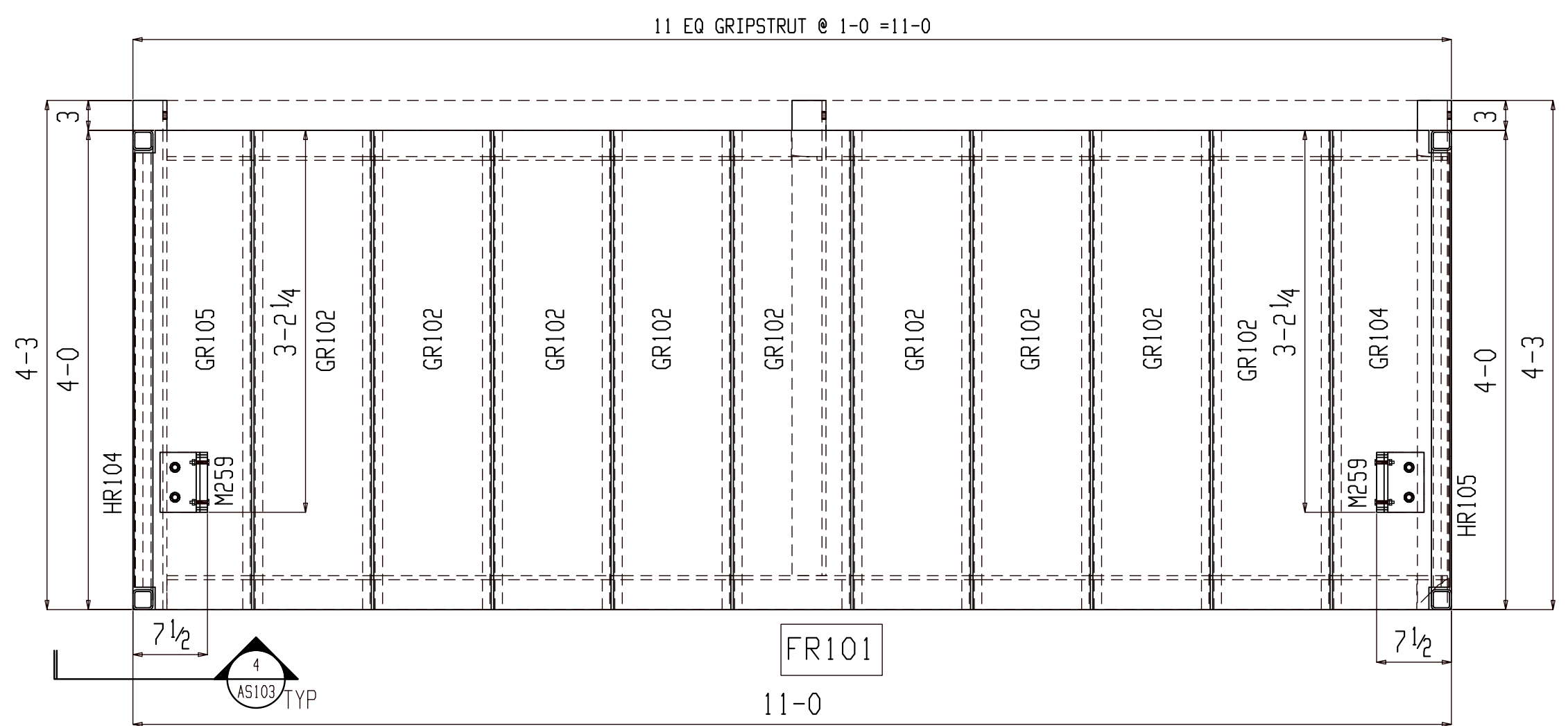
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

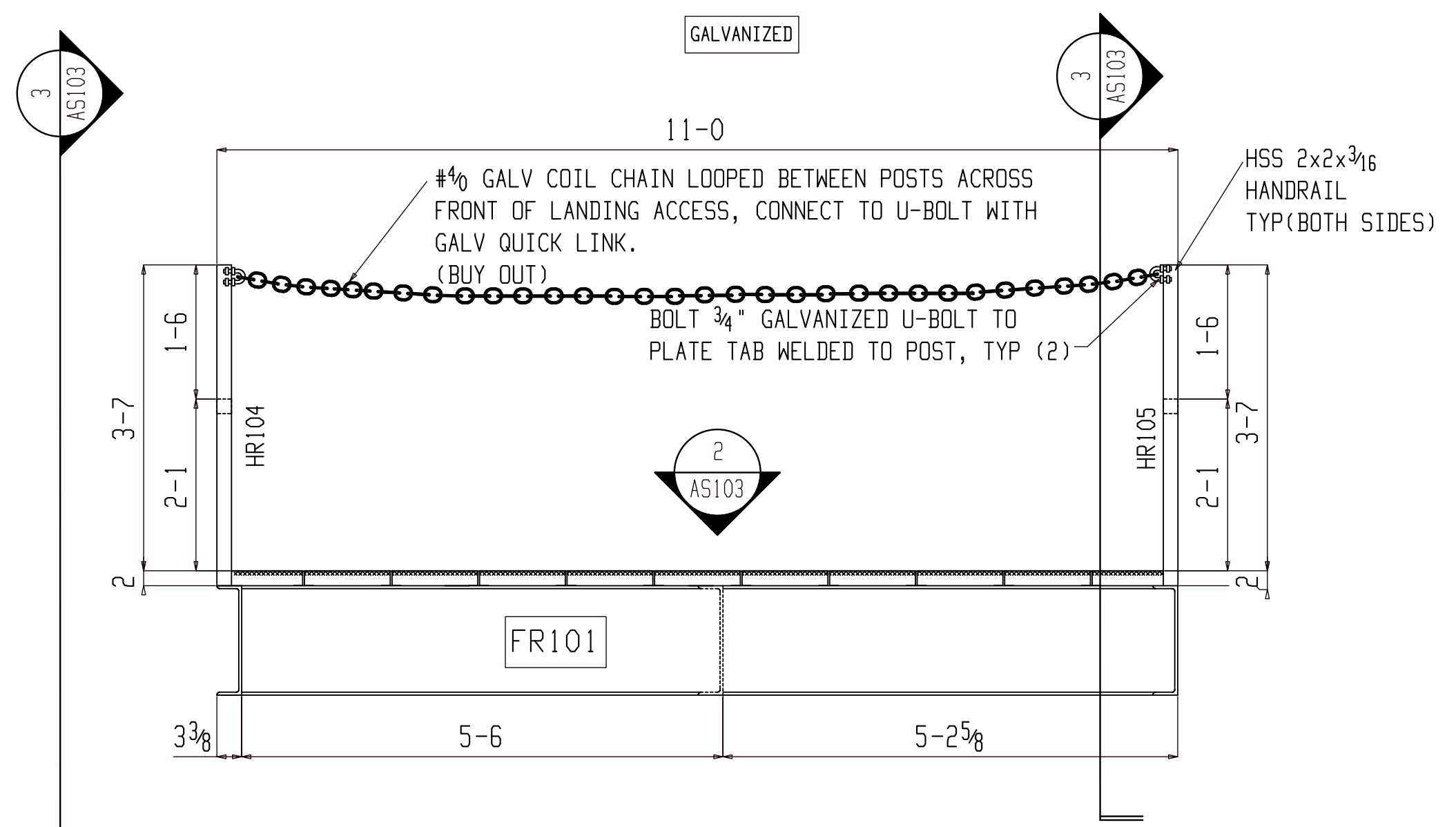
REV.	DESCRIPTION	BY	DATE
△	AS102 DETAIL ADDED	ALN	07-20-22
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN	SCALE: N.A.	
LOCATION:	ALASKA	DATE:	05-26-22				
CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER:	459	SHEET NO.:	AS102	REV:	△
DESCRIPTION:	ASSEMBLY AS102						

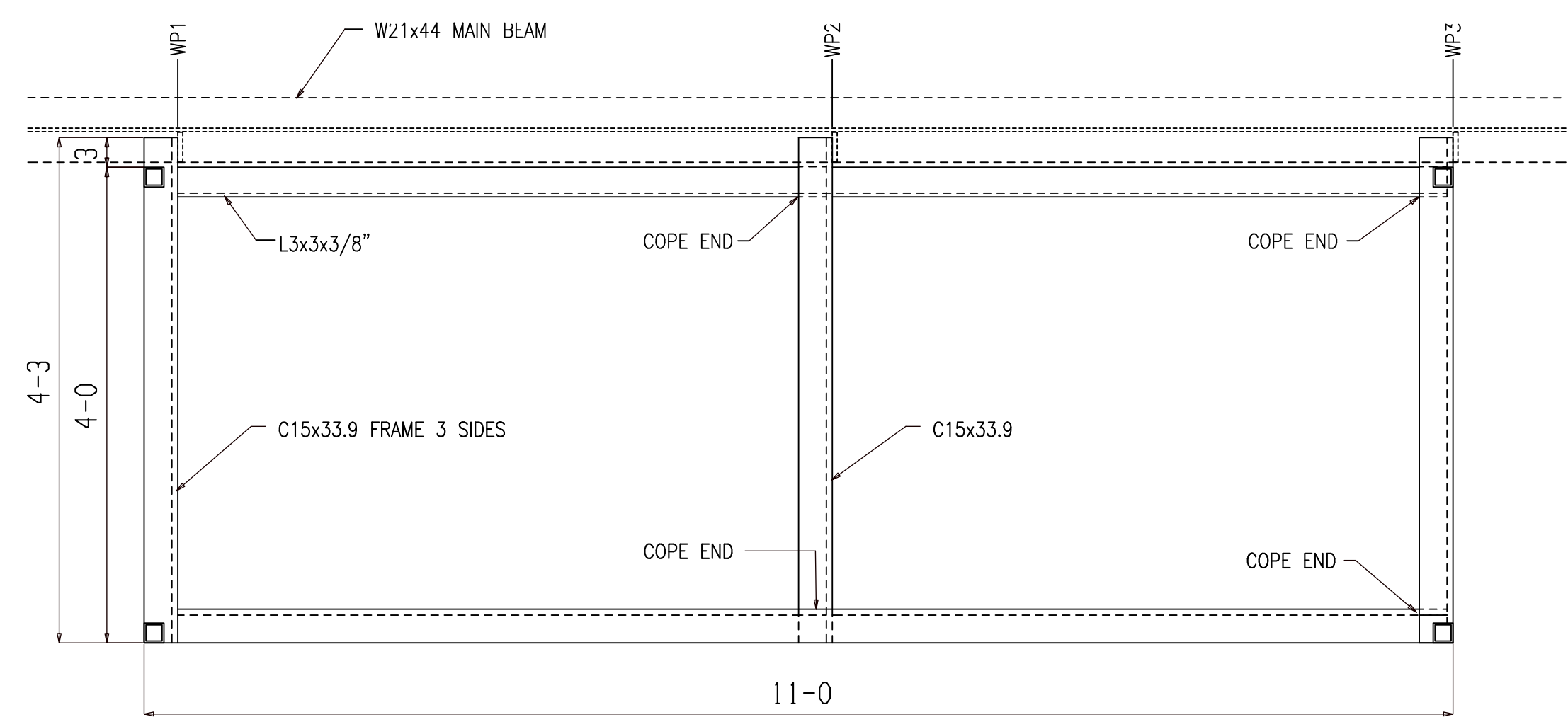


ONE ASSEMBLY AS103
(E REFER: E101)

GALVANIZED

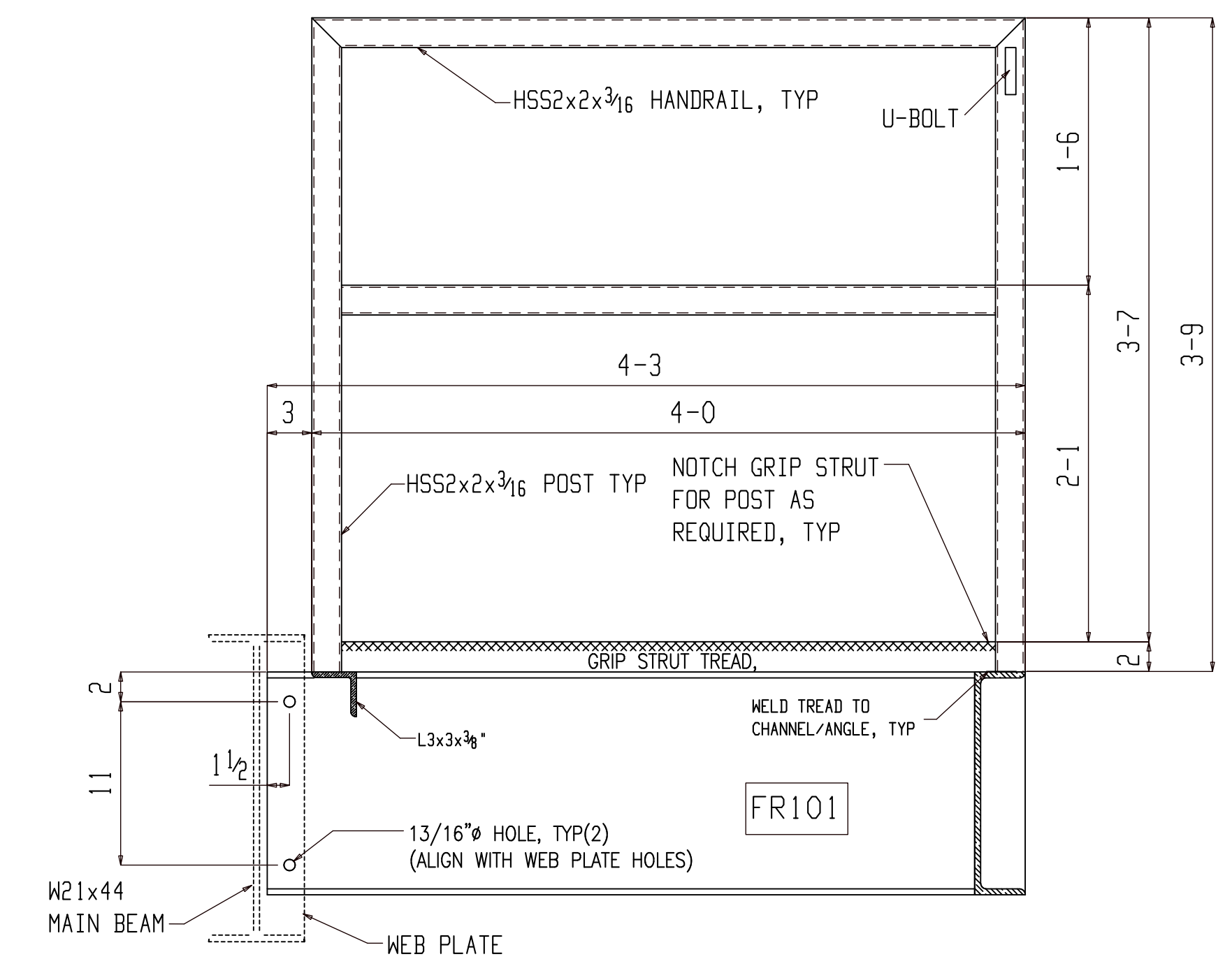


1 SECTION VIEW
AS103 (REFER: 1/SS.3)

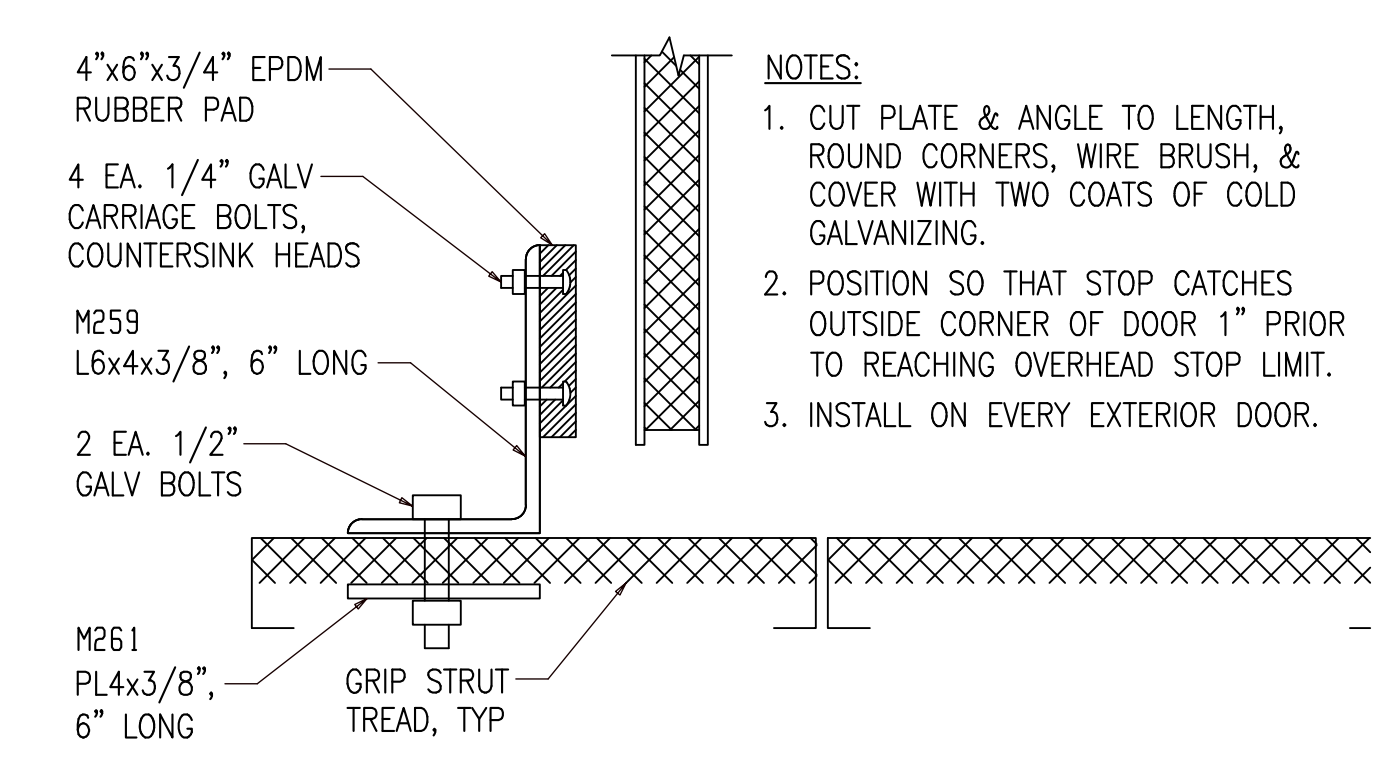


BASE FRAME

2 SECTION VIEW
AS103 (REFER: 2/SS.3)



3 SECTION VIEW
AS103 (REFER: 3/SS.3)



4 SECTION VIEW
AS103 (REFER: 7/A2)

- NOTES:
1. CUT PLATE & ANGLE TO LENGTH, ROUND CORNERS, WIRE BRUSH, & COVER WITH TWO COATS OF COLD GALVANIZING.
 2. POSITION SO THAT STOP CATCHES OUTSIDE CORNER OF DOOR 1" PRIOR TO REACHING OVERHEAD STOP LIMIT.
 3. INSTALL ON EVERY EXTERIOR DOOR.

BILL OF MATERIAL

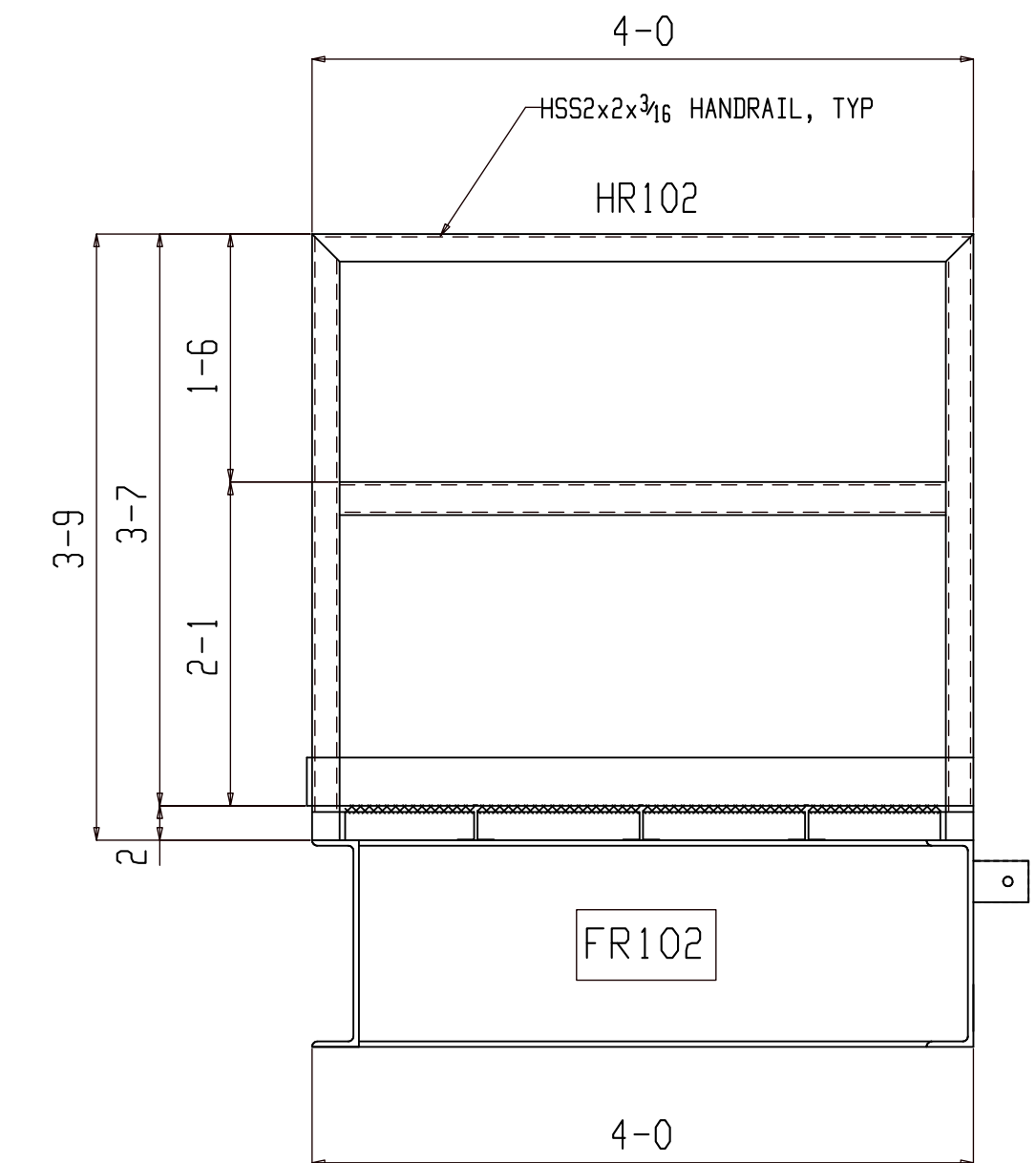
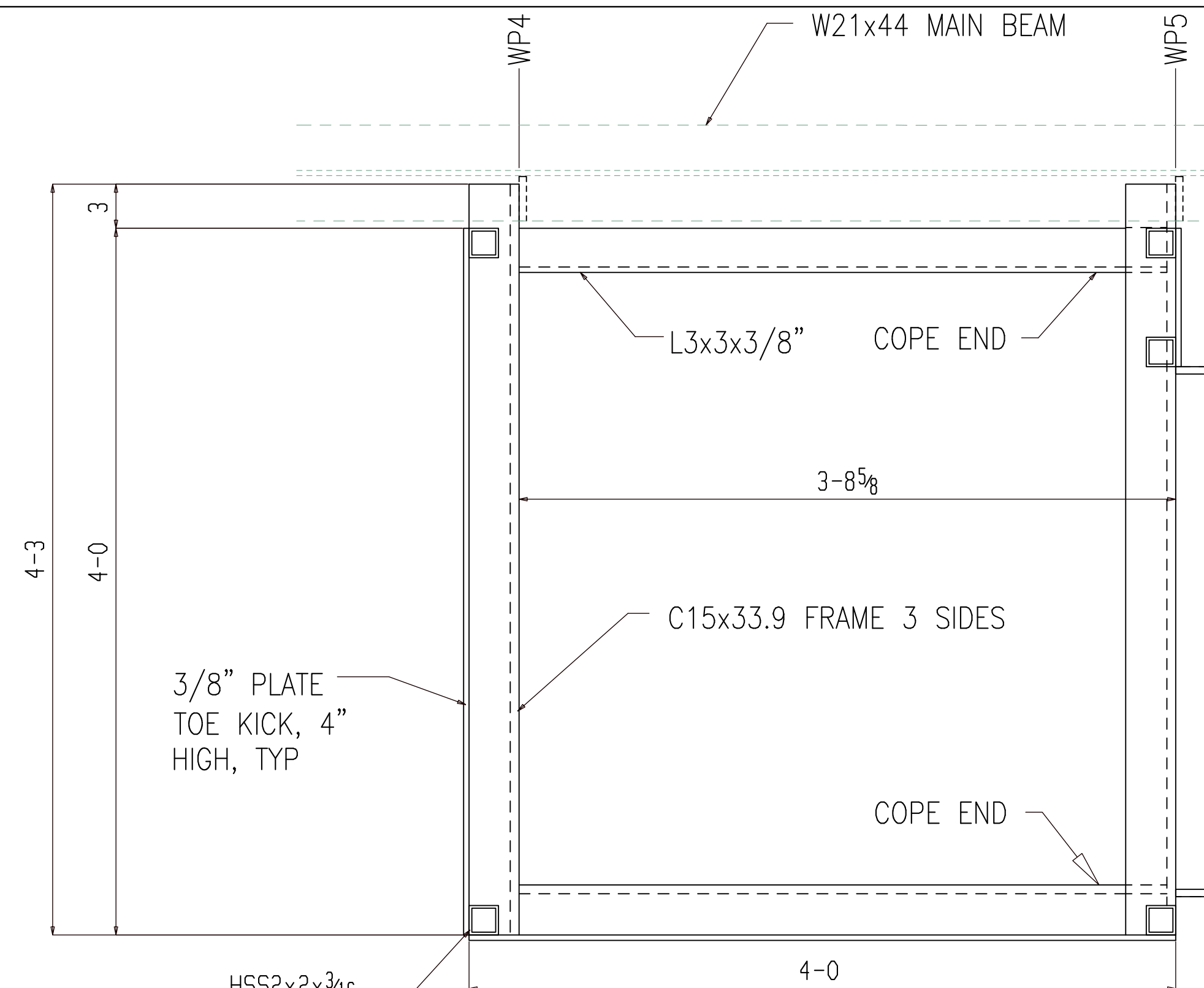
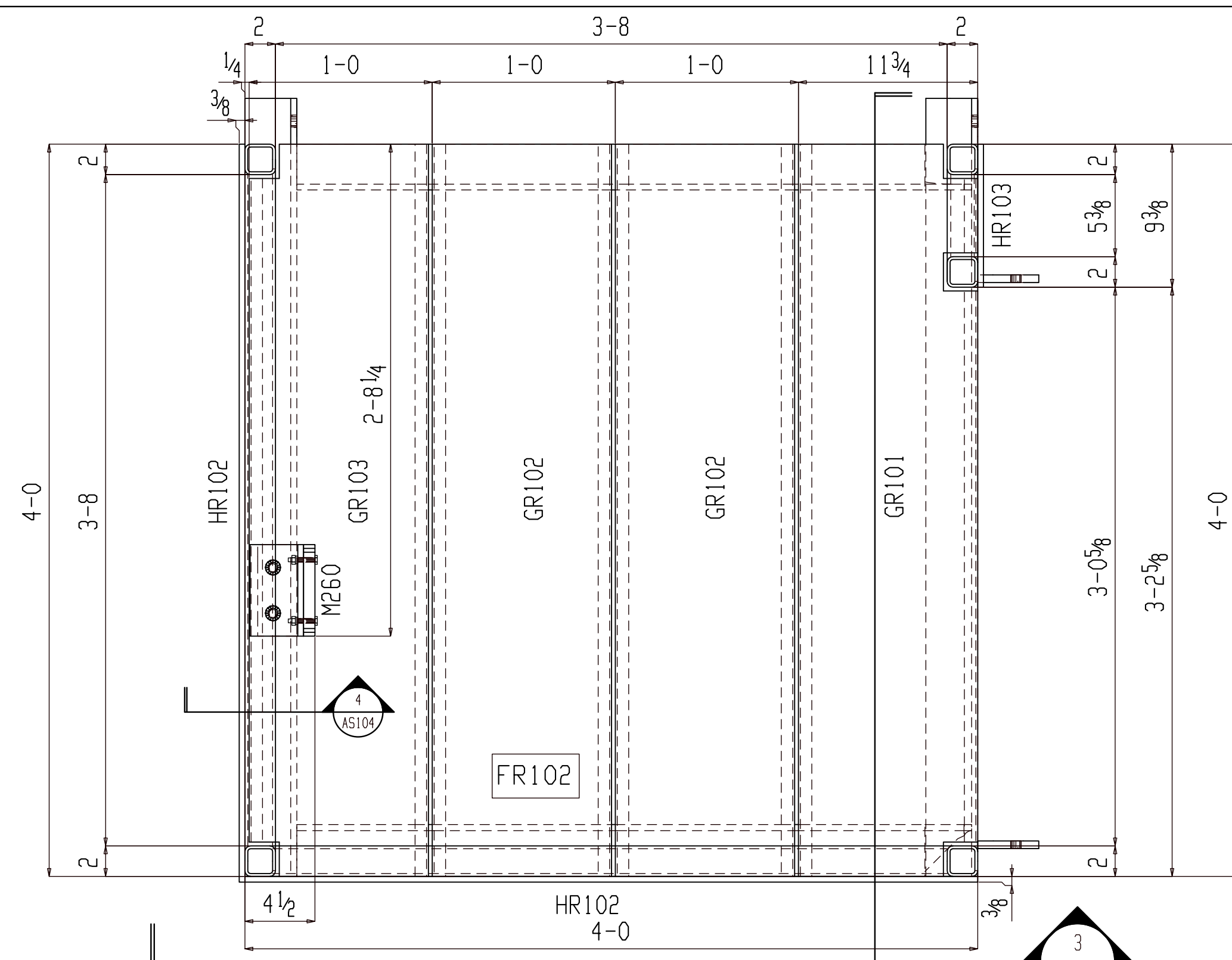
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS103		ONE	ASSEMBLY		(GALV)		
	FR101	1	FRAME				
	HR104	1	HANDRAIL				
	HR105	1	HANDRAIL				
	GR102	9	GRIPSTRUT				
	GR104	1	GRIPSTRUT				
	GR105	1	GRIPSTRUT				
	M259	2	EXTERIOR DOOR				
			BOTTOM STOPS				
	M261	2	MISC				
		1	GALV COIL CHAIN		(BUY OUT)		

SHOP NOTE:

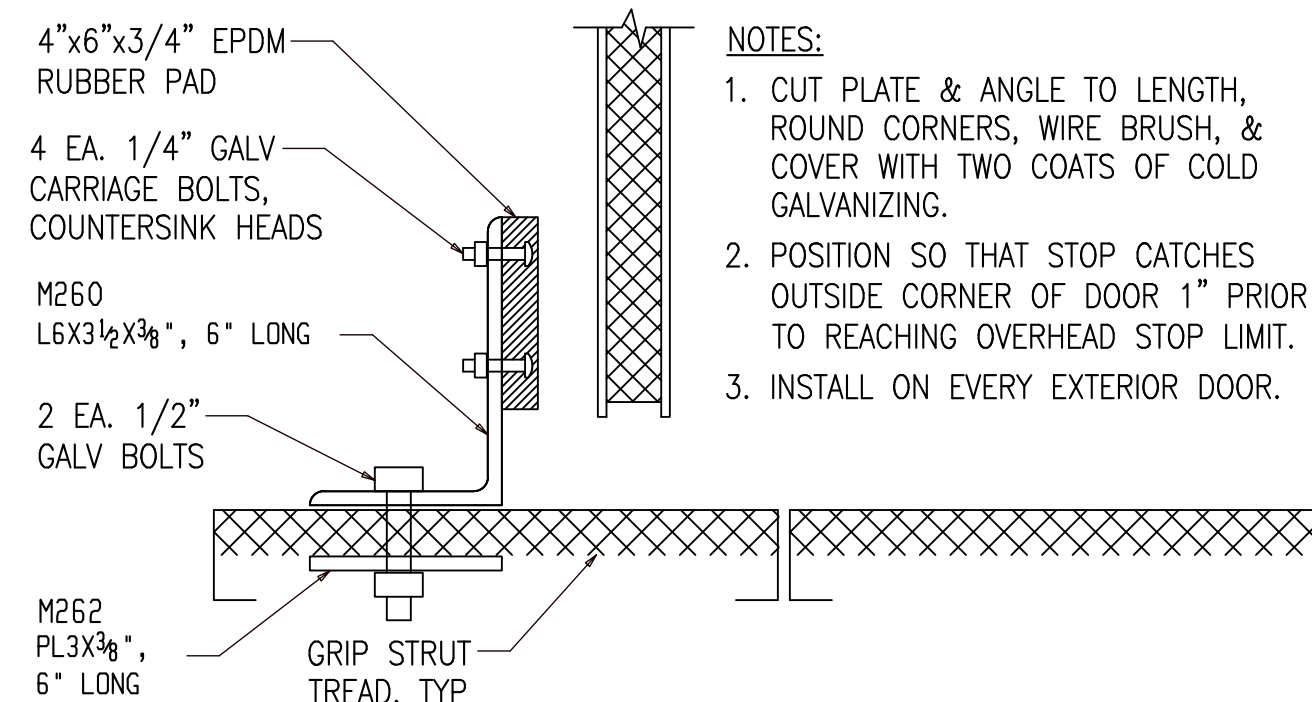
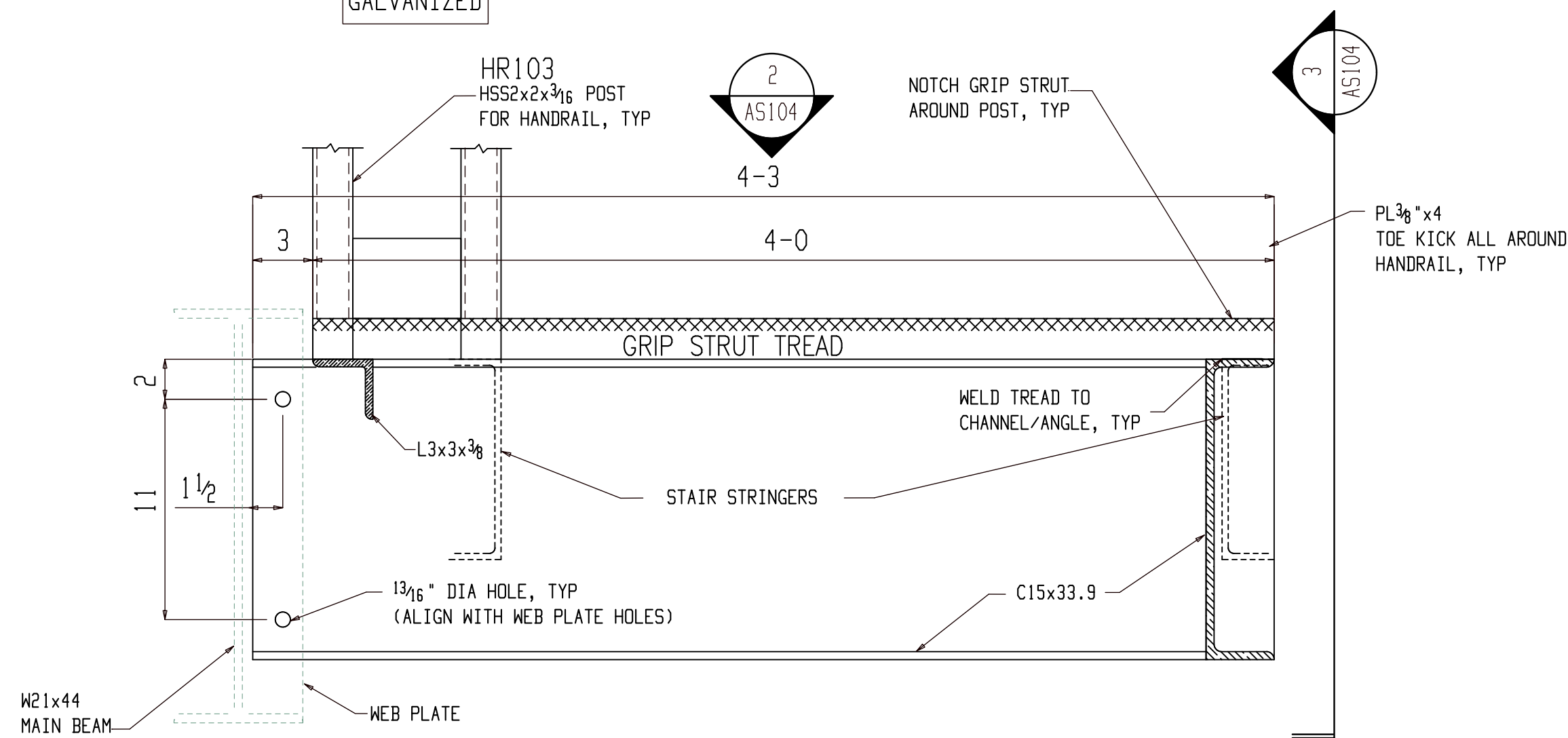
1. UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
2. SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
3. FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
4. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4" FILLET WELDS.
5. SANDBLAST OR WIRE BRUSH ENDS OF PRE-GALV TREAD PRIOR TO WELDING TREADS TO STRUCTURE.

FOR FABRICATION

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN	13/16Ø	PAINT UN	GALVANIZED
		WELDS	E70XX
		CLEANING	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	ASSEMBLY AS103	JOB NUMBER	459
		SHEET NO.	AS103
		REV	△



GALVANIZED



- NOTES:
- CUT PLATE & ANGLE TO LENGTH, ROUND CORNERS, WIRE BRUSH, & COVER WITH TWO COATS OF COLD GALVANIZING.
 - POSITION SO THAT STOP CATCHES OUTSIDE CORNER OF DOOR 1" PRIOR TO REACHING OVERHEAD STOP LIMIT.
 - INSTALL ON EVERY EXTERIOR DOOR.

SHOP NOTE:

- UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
- SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
- FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
- MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4 inch FILLET WELDS.
- SANDBLAST OR WIRE BRUSH ENDS OF PRE-PRE-GALV TREAD PRIOR TO WELDING TREADS TO STRUCTURE.

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS104		ONE	ASSEMBLY		(GALV)		
	FR102	1	FRAME				
	HR102	1	HANDRAIL				
	HR103	1	HANDRAIL				
	GR101	1	GRIPSTRUT				
	GR102	2	GRIPSTRUT				
	GR103	1	GRIPSTRUT				
	M260	1	EXTERIOR DOOR				
			BOTTOM STOP				
	M262	1	MISC				

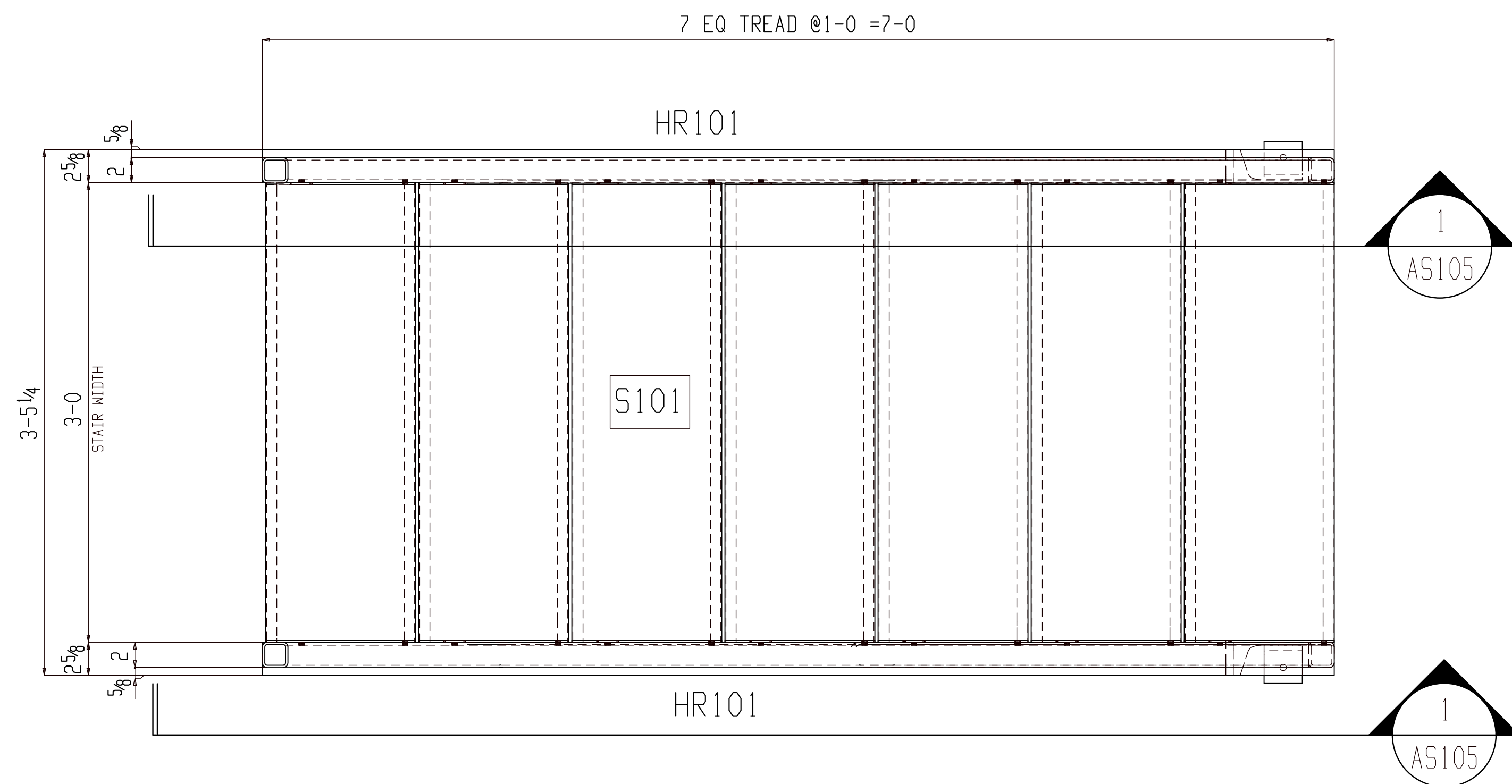
FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC:
DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

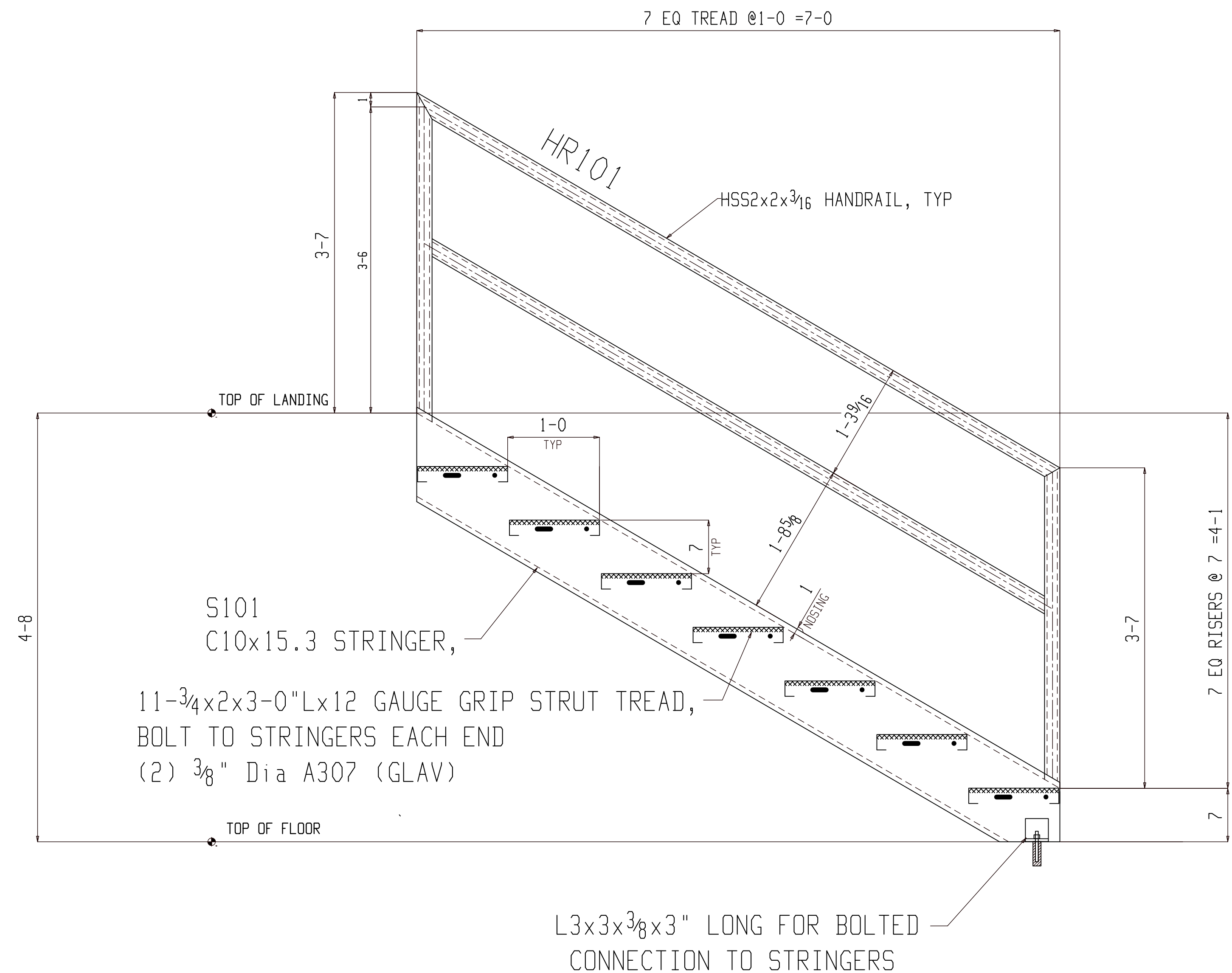
HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS104	JOB NUMBER:	459	SHEET NO.:	AS104	REV:	△



ONE ASSEMBLY AS105

(E REFER: E101)

GALVANIZED



1 SECTION VIEW
AS105 (REFER: 1/SS.2)

BILL OF MATERIAL

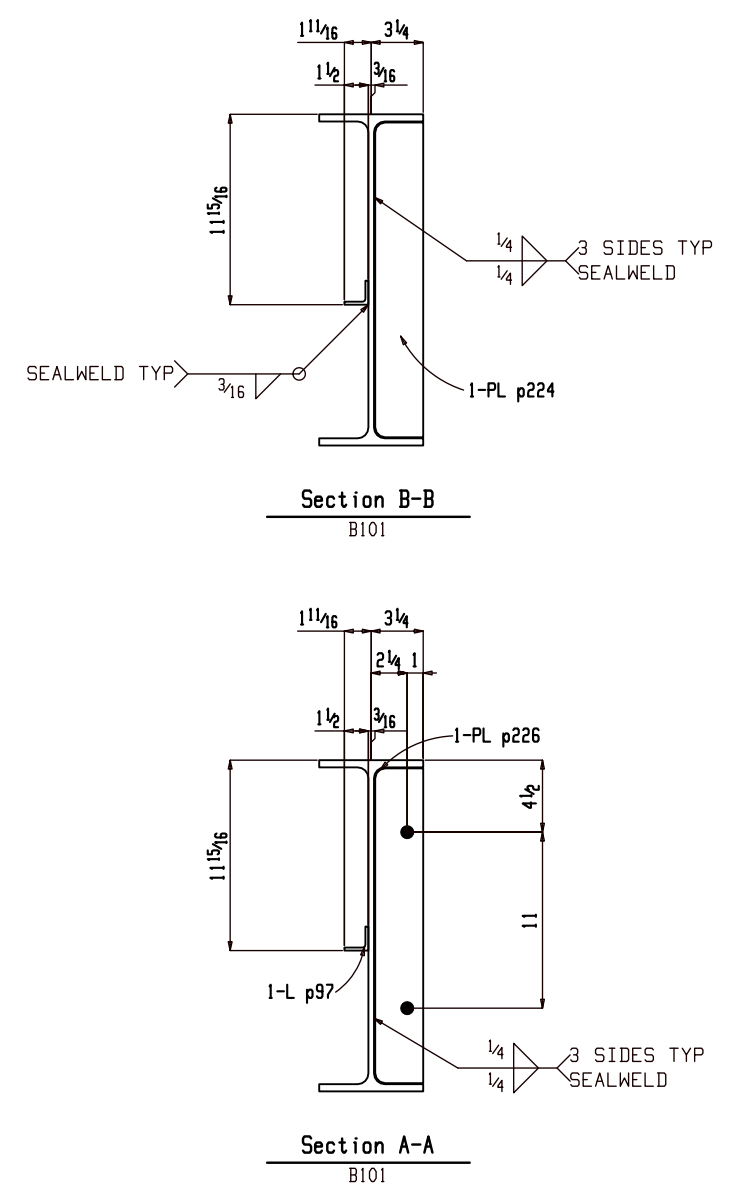
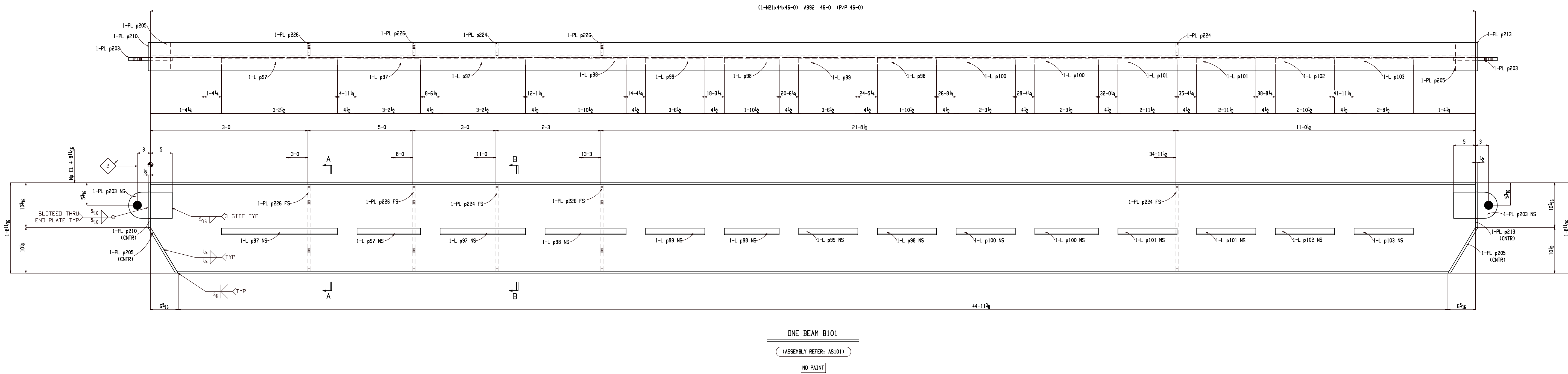
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS105		ONE	ASSEMBLY		(GALV)		
	S101	1	STAIR				
	HR101	2	HANDRAIL				

SHOP NOTE:

- UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
- SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
- FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
- MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4" FILLET WELDS.
- SANDBLAST OR WIRE BRUSH ENDS OF PRE-PRE-GALV TREAD PRIOR TO WELDING/BOLTING TREADS TO STRUCTURE.

FOR FABRICATION

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS105	DATE:	05-26-22
		JOB NUMBER:	459
		SHEET NO.:	AS105
		REV:	△



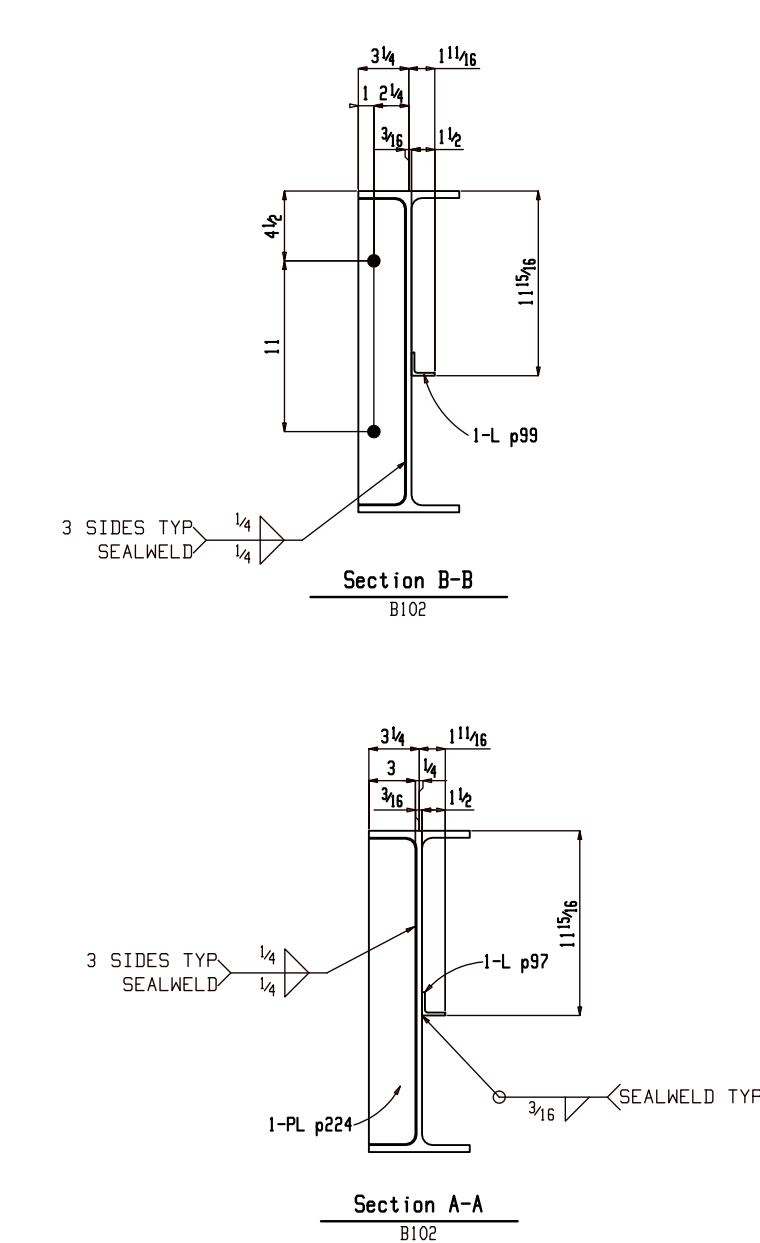
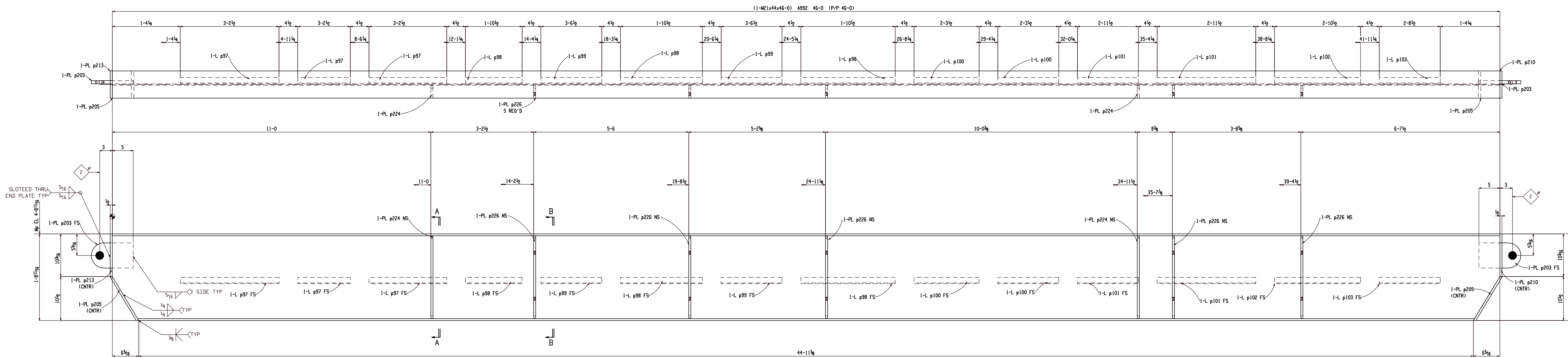
FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B101		ONE	BEAM				2202
	B101	1	W21x44	46-0		A992	2024
	p203	2	PL 3/4x6	10		A36	26
	p213	1	PL 1/2x6 1/2	10 5/16		A36	10
	p210	1	PL 1/2x6 1/2	10 5/16		A36	10
	p205	2	PL 1/2x6 1/2	1-0 3/8		A36	23
	p226	3	PL 1/2x3	1-7 11/16		A36	25
	p224	2	PL 1/2x3	1-7 11/16		A36	17

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p103	1	L 1 1/2 x 1 1/2 x 3/16	2-8 9/16		A36	5
	p102	1	L 1 1/2 x 1 1/2 x 3/16	2-10 1/2		A36	5
	p101	2	L 1 1/2 x 1 1/2 x 3/16	2-11 1/2		A36	11
	p100	2	L 1 1/2 x 1 1/2 x 3/16	2-3 1/2		A36	8
	p99	2	L 1 1/2 x 1 1/2 x 3/16	3-6 1/2		A36	13
	p98	3	L 1 1/2 x 1 1/2 x 3/16	1-10 1/2		A36	10
	p97	3	L 1 1/2 x 1 1/2 x 3/16	3-2 9/16		A36	17

REF. DWG/SPEC:					
DEG REF. SPEC. / DWG:					
△	For Fabrication	ALN	07-18-22		
△	For Re-Approval	ALN	07-04-22		
△	For Approval	ALN	06-20-22		
REV.	DESCRIPTION	BY	DATE		
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	BEAM DETAIL	JOB NUMBER:	459	SHEET NO.:	B101
		REV:			



ONE BEAM B102
 (ASSEMBLY REFER: AS101)
 NO PAINT

FOR FABRICATION

BILL OF MATERIAL

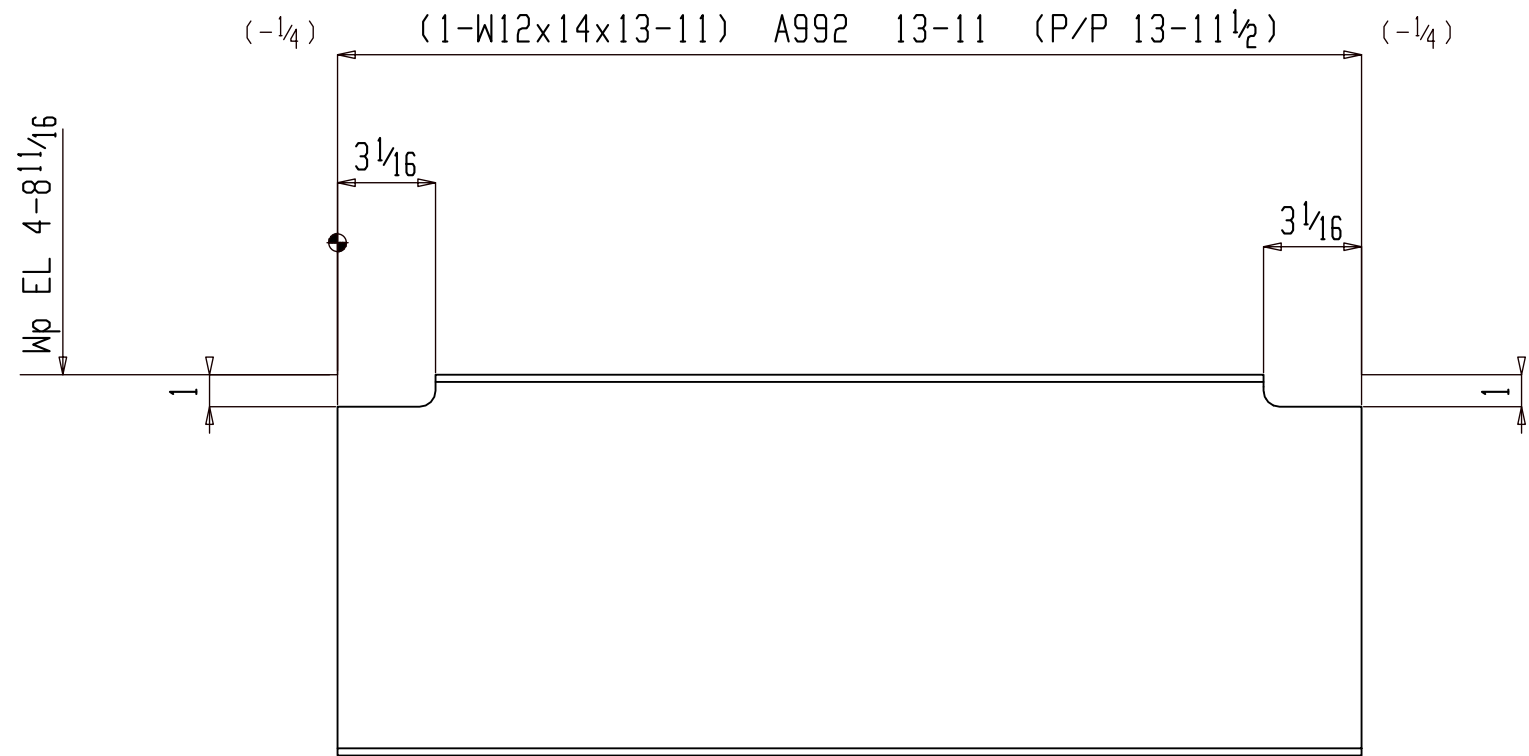
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B102		ONE	BEAM				2219
	B102	1	W21x44	46-0		A992	2024
	p203	2	PL 3/4x6	10		A36	26
	p213	1	PL 1/2x6 1/2	10 5/16		A36	10
	p210	1	PL 1/2x6 1/2	10 5/16		A36	10
	p205	2	PL 1/2x6 1/2	1-0 3/8		A36	23
	p226	5	PL 1/2x3	1-7 11/16		A36	42
	p224	2	PL 1/2x3	1-7 11/16		A36	17

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p103	1	L 1 1/2 x 1 1/2 x 3/16	2-8 9/16		A36	5
	p102	1	L 1 1/2 x 1 1/2 x 3/16	2-10 1/2		A36	5
	p101	2	L 1 1/2 x 1 1/2 x 3/16	2-11 1/2		A36	11
	p100	2	L 1 1/2 x 1 1/2 x 3/16	2-3 1/2		A36	8
	p99	2	L 1 1/2 x 1 1/2 x 3/16	3-6 1/2		A36	13
	p98	3	L 1 1/2 x 1 1/2 x 3/16	1-10 1/2		A36	10
	p97	3	L 1 1/2 x 1 1/2 x 3/16	3-2 9/16		A36	17

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	BEAM DETAIL	DATE:	05-26-22
		JOB NUMBER:	459
		SHEET NO.:	B102
		REV:	△



15 BEAMS B103

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

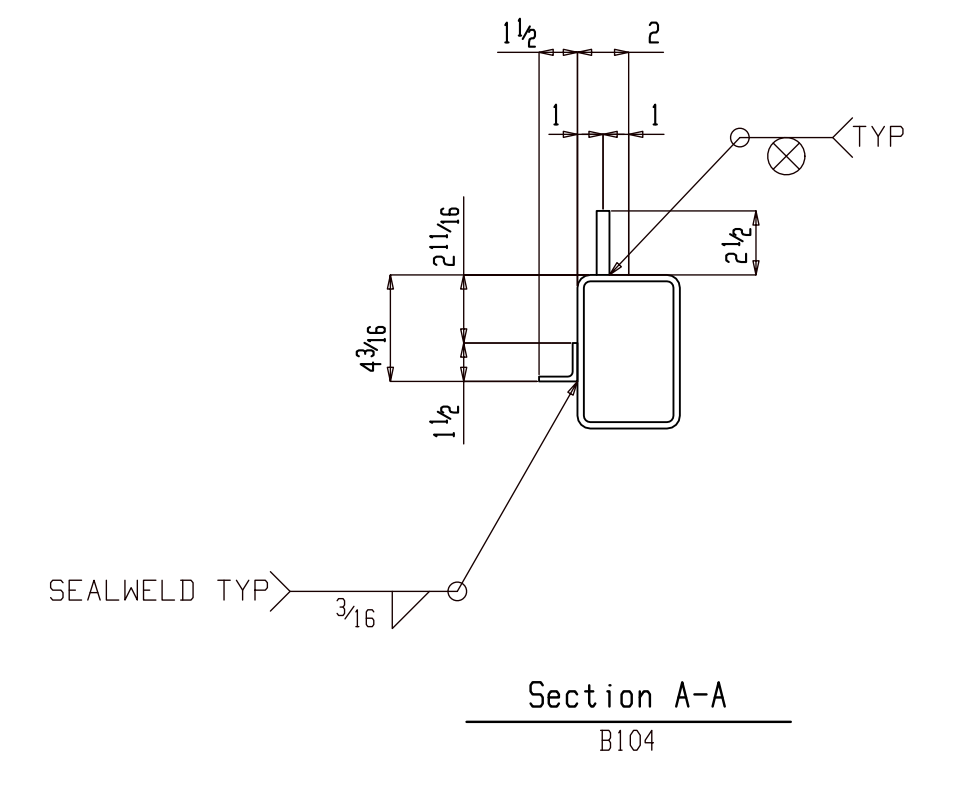
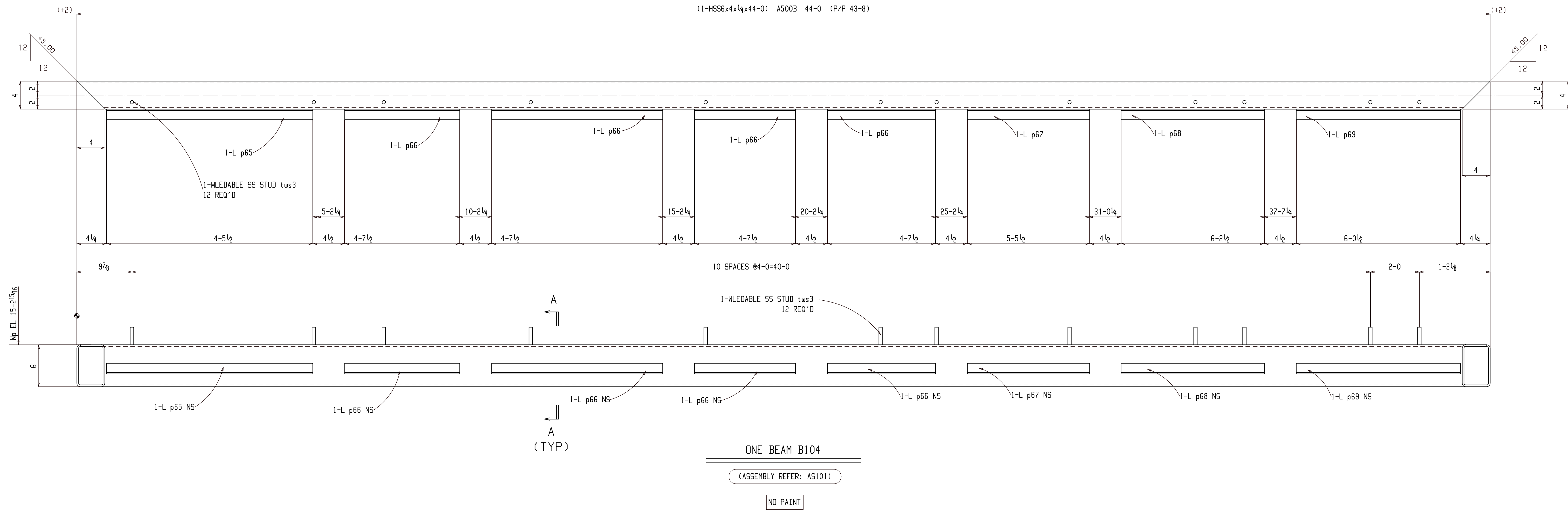
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B103		15	BEAM				2923
	B103	15	W12x14	13-11		A992	2923

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	BEAM DETAIL	JOB NUMBER	459	SHEET NO.	B103	REV	△



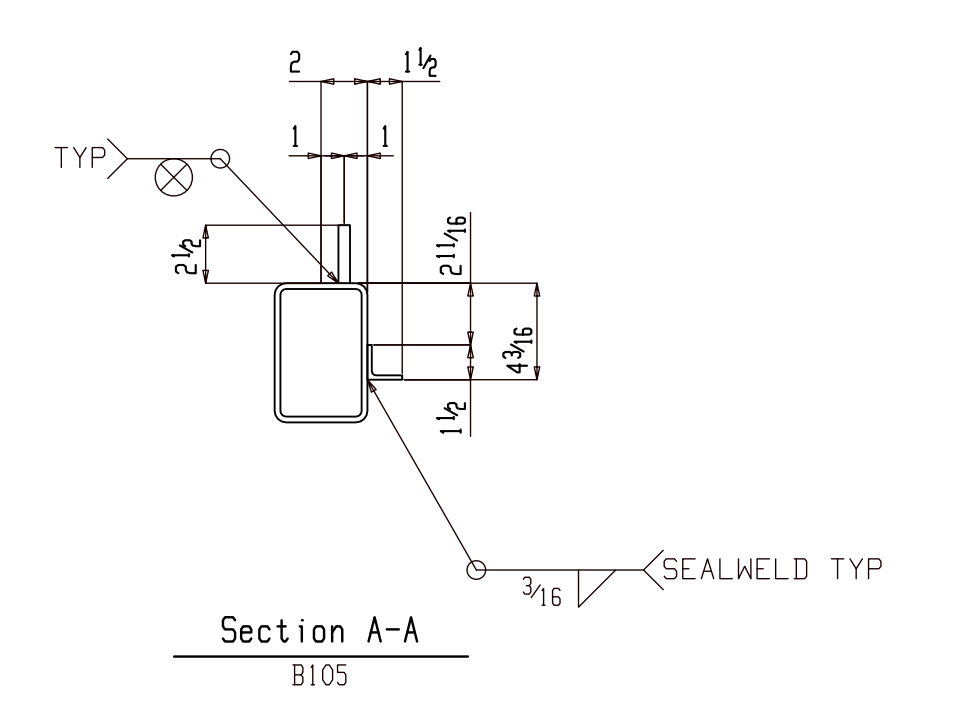
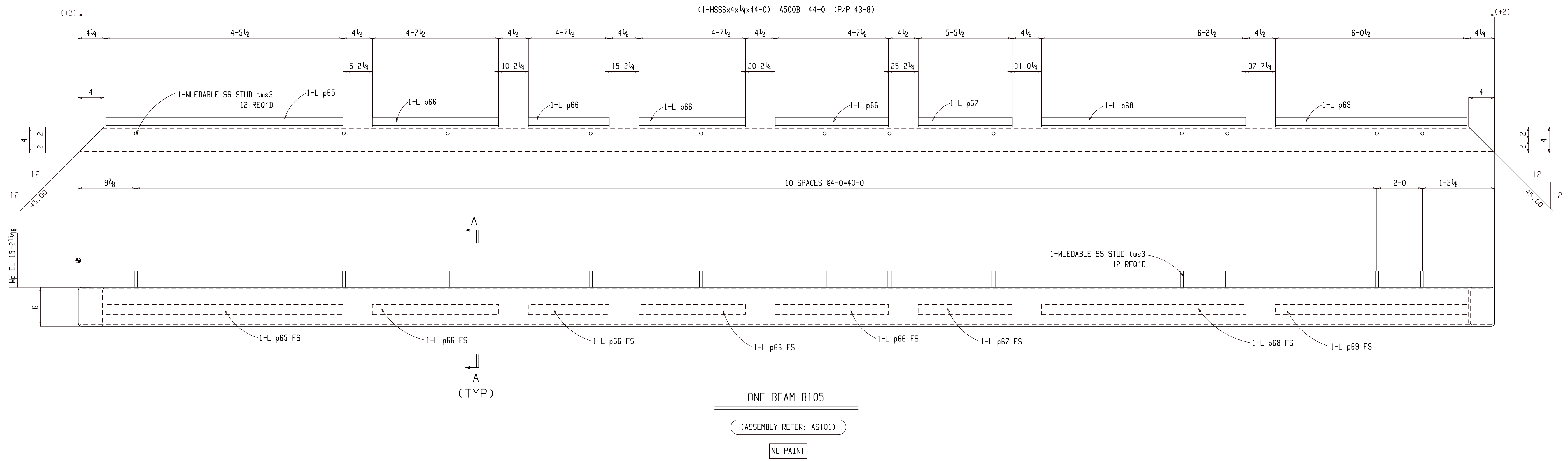
FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B104		ONE	BEAM				762
	B104	1	HSS6x4x1/4	44-0		A500B	687
	p69	1	L 1 1/2 x 1 1/2 x 3/16	6-0 1/2		A36	11
	p68	1	L 1 1/2 x 1 1/2 x 3/16	6-2 1/2		A36	11
	p67	1	L 1 1/2 x 1 1/2 x 3/16	5-5 1/2		A36	10
	p66	4	L 1 1/2 x 1 1/2 x 3/16	4-7 7/16		A36	33
	p65	1	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	8
	twS3	12	TWS 1/2	2 1/2	WELDABLE SS (NELSON)		2

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
						STUD)	
					W/ HEX NUT AND WASHER		

REF. DWG/SPEC:							
DEG REF. SPEC. / DWG:							
△	For Fabrication	ALN	07-18-22				
△	For Re-Approval	ALN	07-04-22				
△	For Approval	ALN	06-20-22				
REV.	DESCRIPTION	BY	DATE				
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN		
LOCATION:	ALASKA	SCALE:	N.A.				
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22				
DESCRIPTION:	BEAM DETAIL	JOB NUMBER:	459	SHEET NO.:	B104	REV.	△

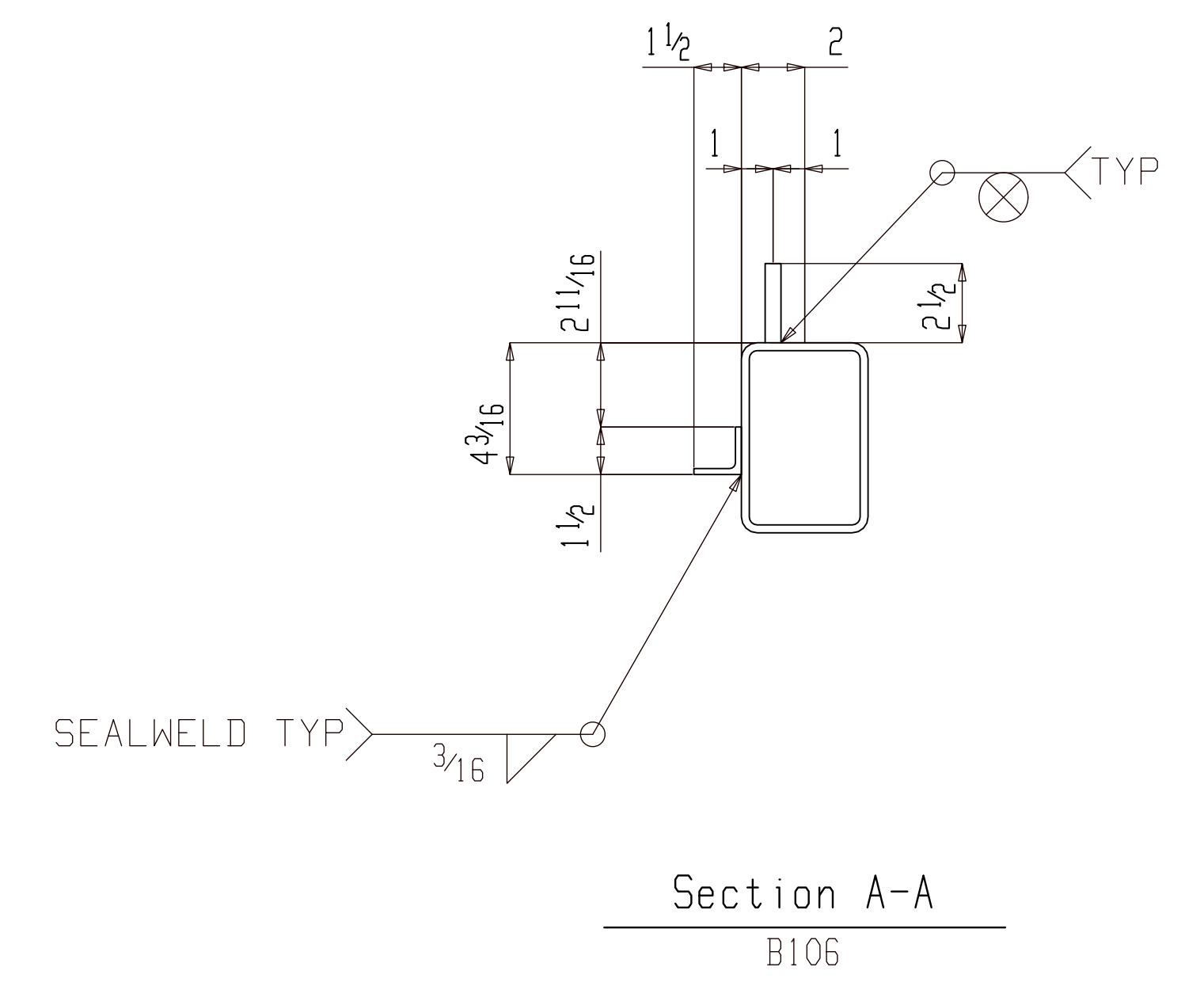
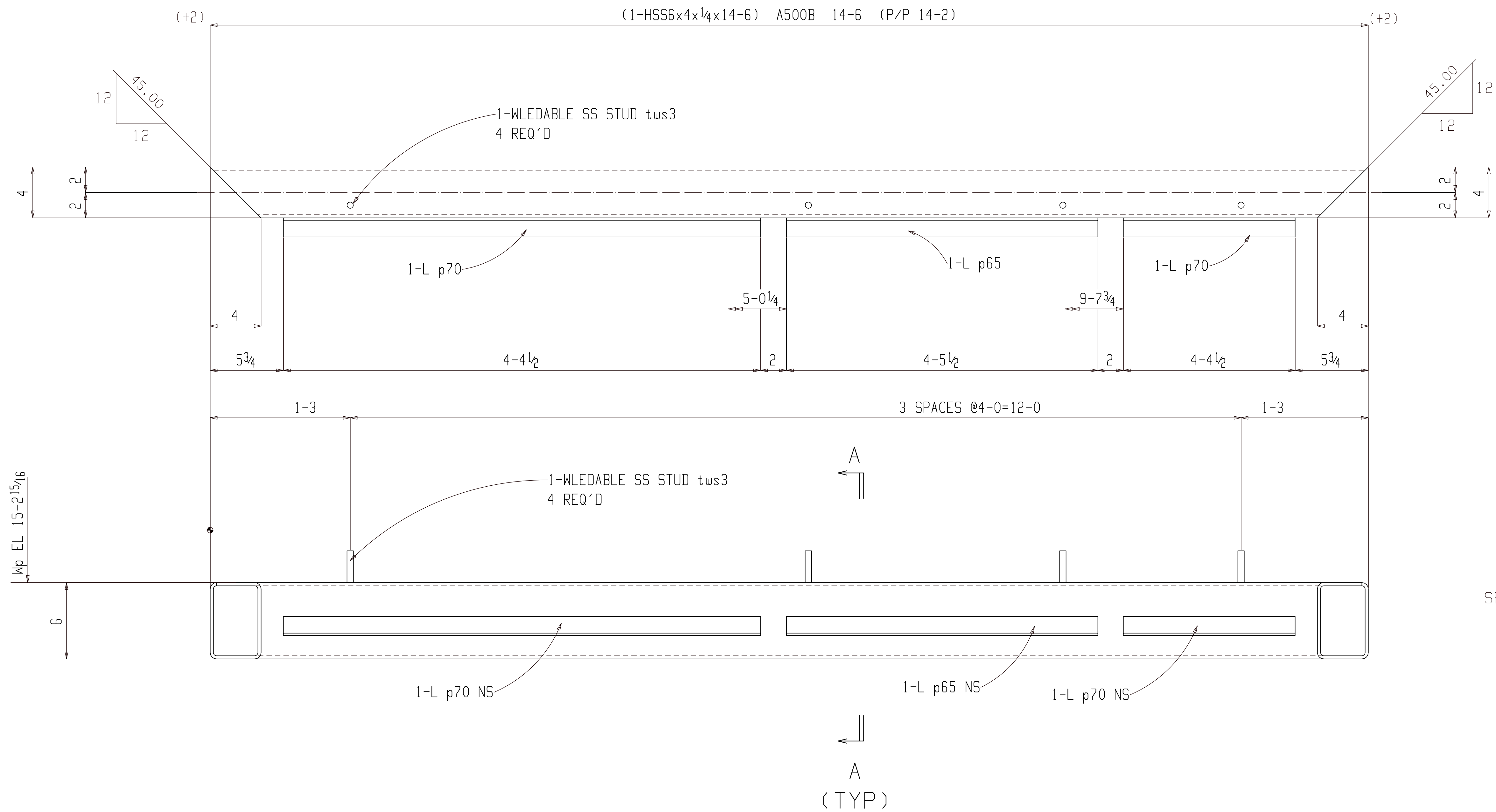


FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B105		ONE	BEAM				762
	B105	1	HSS6x4x1/4	44-0		A500B	687
	p69	1	L 1 1/2 x 1 1/2 x 3/16	6-0 1/2		A36	11
	p68	1	L 1 1/2 x 1 1/2 x 3/16	6-2 1/2		A36	11
	p67	1	L 1 1/2 x 1 1/2 x 3/16	5-5 1/2		A36	10
	p66	4	L 1 1/2 x 1 1/2 x 3/16	4-7 7/16		A36	33
	p65	1	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	8
	tws3	12	TWS 1/2	2 1/2	WELDABLE SS (NELSON)		2

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
						STUD)	
					W/ HEX NUT AND WASHER		

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN: 13/16Ø	PAINT UN: NO PAINT	WELDS: E70XX	CLEANING:
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	BEAM DETAIL	DATE:	05-26-22
		JOB NUMBER:	459
		SHEET NO.:	B105
		REV:	△



ONE BEAM B106

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

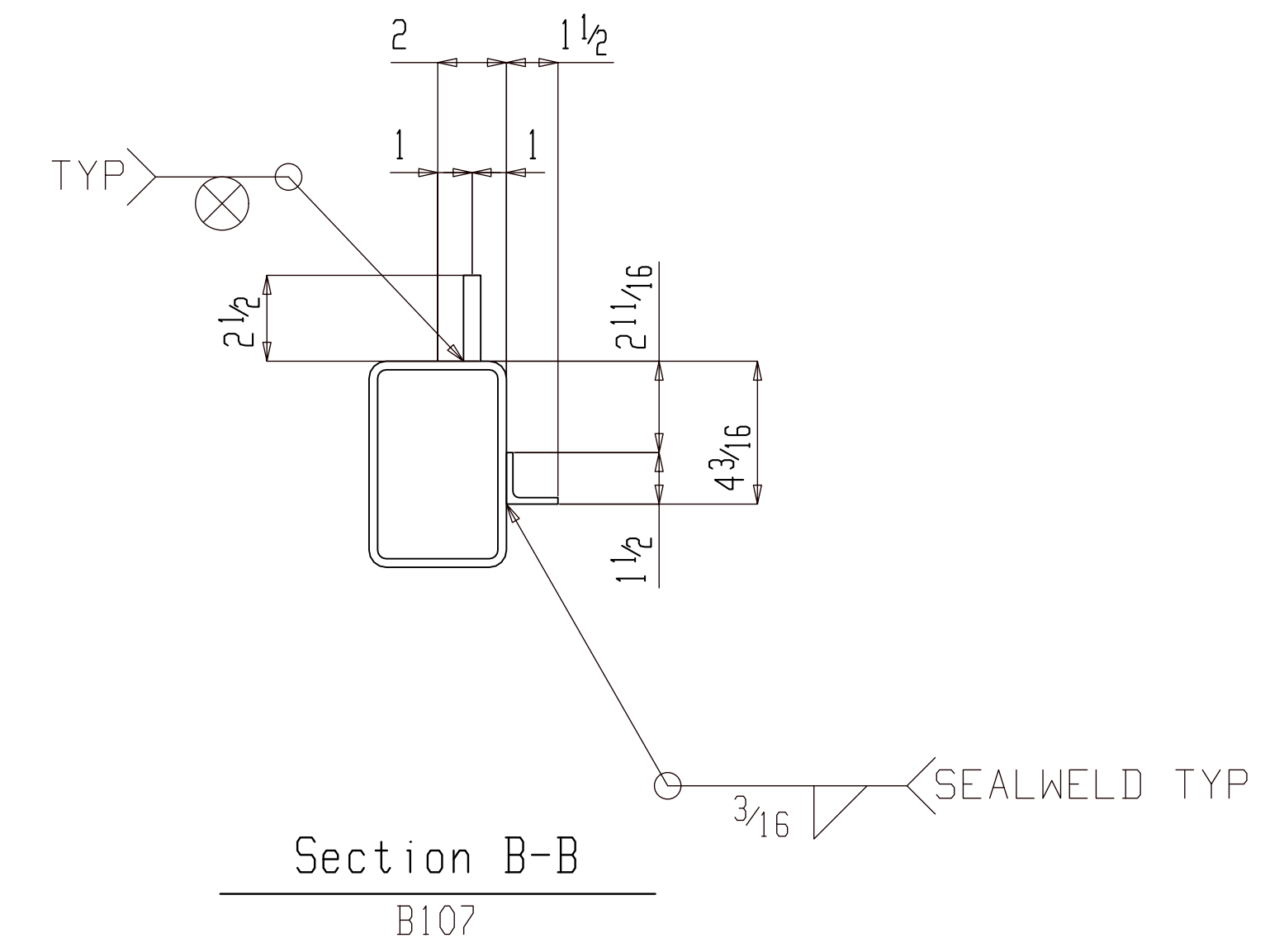
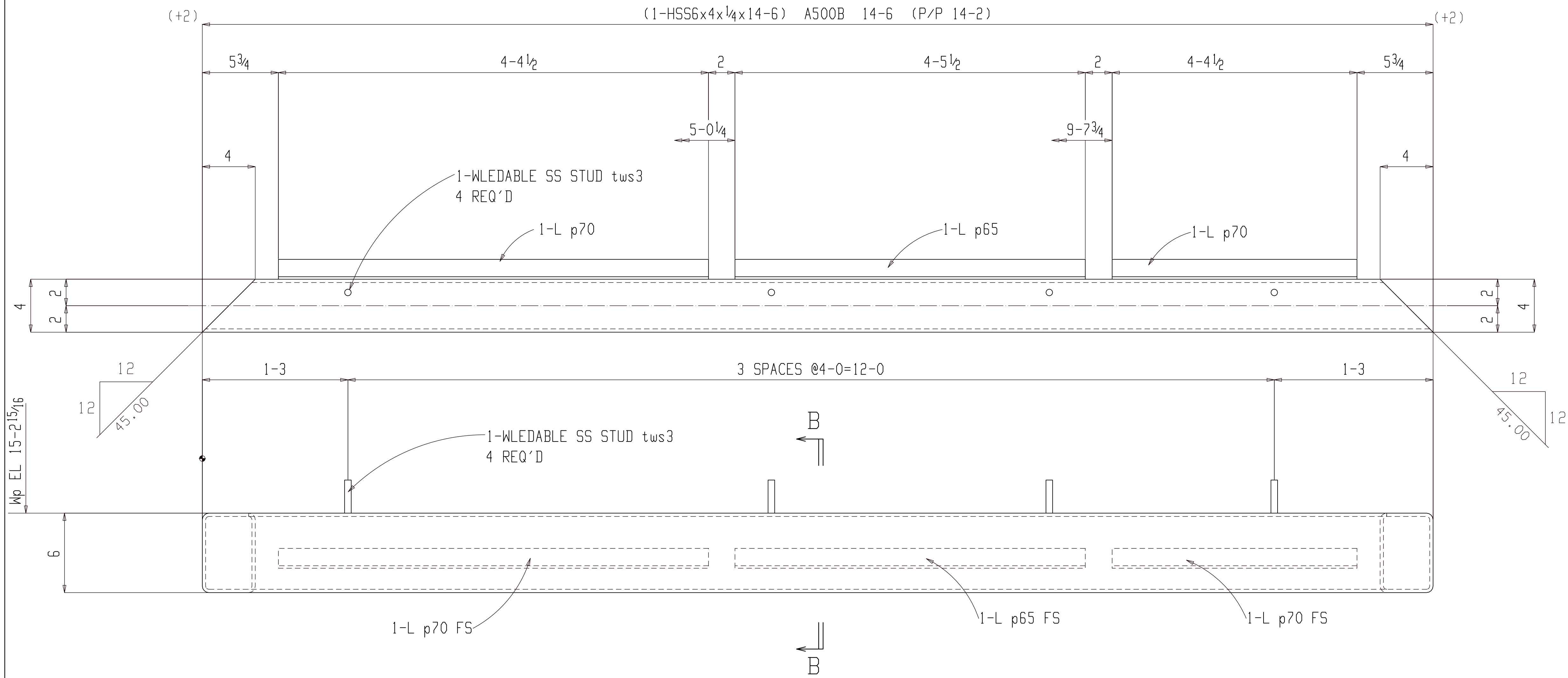
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B106		ONE	BEAM				251
	B106	1	HSS6x4x1/4	14-6		A500B	226
	p70	2	L 1 1/2 x 1 1/2 x 3/16	4-4 1/2		A36	16
	p65	1	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	8
	tws3	4	TWS 1/2	2 1/2	WELDABLE SS (NELSON STUD)		1
					W/ HEX NUT AND WASHER		

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	BEAM DETAIL	DATE:	05-26-22
		JOB NUMBER:	459
		SHEET NO.:	B106
		REV:	△



ONE BEAM B107
 (ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B107		ONE	BEAM				251
	B107	1	HSS6x4x1/4	14-6		A500B	226
	p70	2	L 1 1/2 x 1 1/2 x 3/16	4-4 1/2		A36	16
	p65	1	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	8
	tws3	4	TWS 1/2	2 1/2	WELDABLE SS (NELSON STUD)		1
					W/ HEX NUT AND WASHER		

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

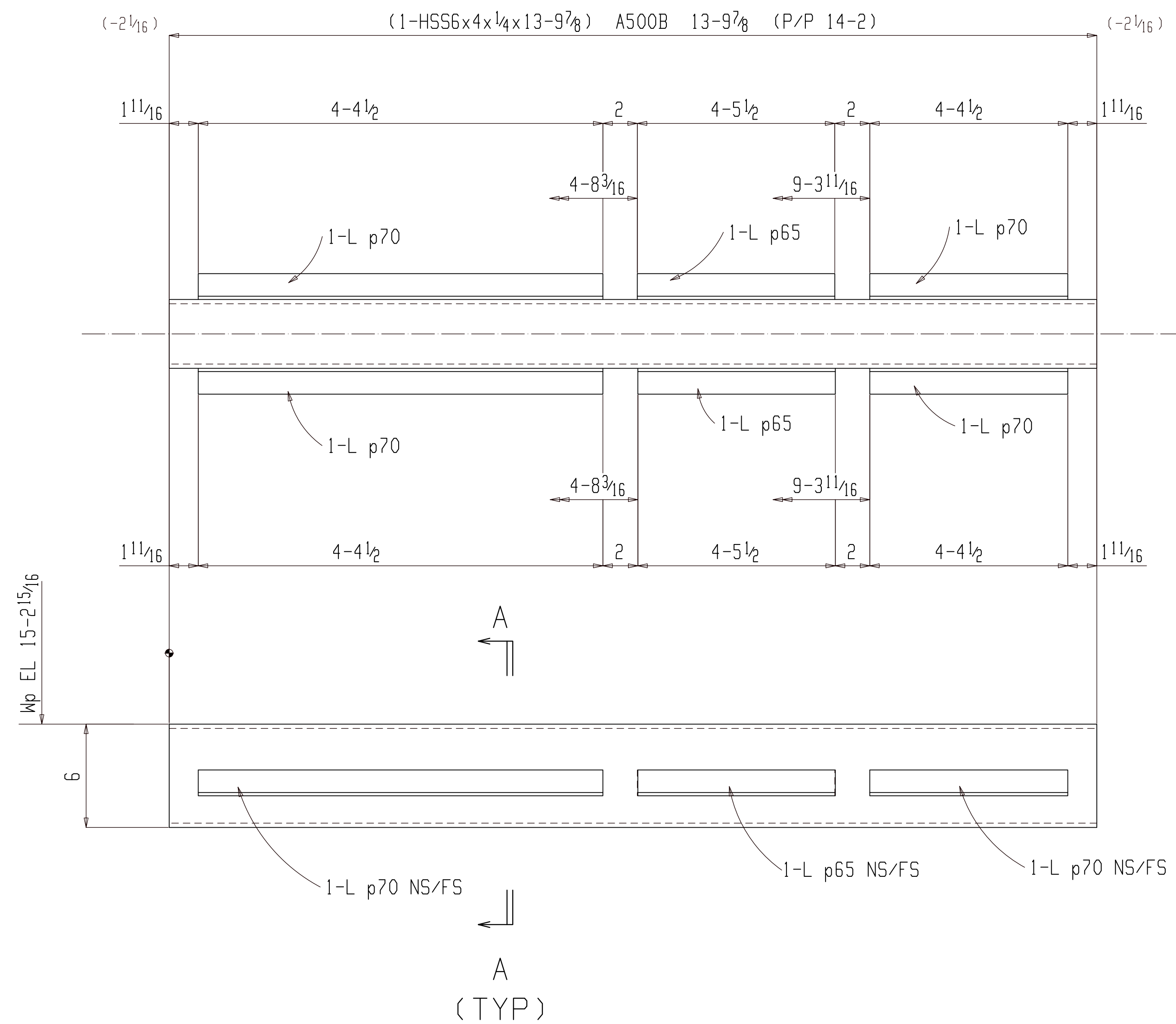
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES UN: 13/16Ø PAINT UN: NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: BEAM DETAIL JOB NUMBER: 459 SHEET NO.: B107 REV: △



ONE BEAM B108

(ASSEMBLY REFER: AS101)

NO PAINT

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B108		ONE	BEAM				263
	B108	1	HSS6x4x1/4	13-9 7/8		A500B	216
	p70	4	L 1 1/2 x 1 1/2 x 3/16	4-4 1/2		A36	32
	p65	2	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	16

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

FOR FABRICATION

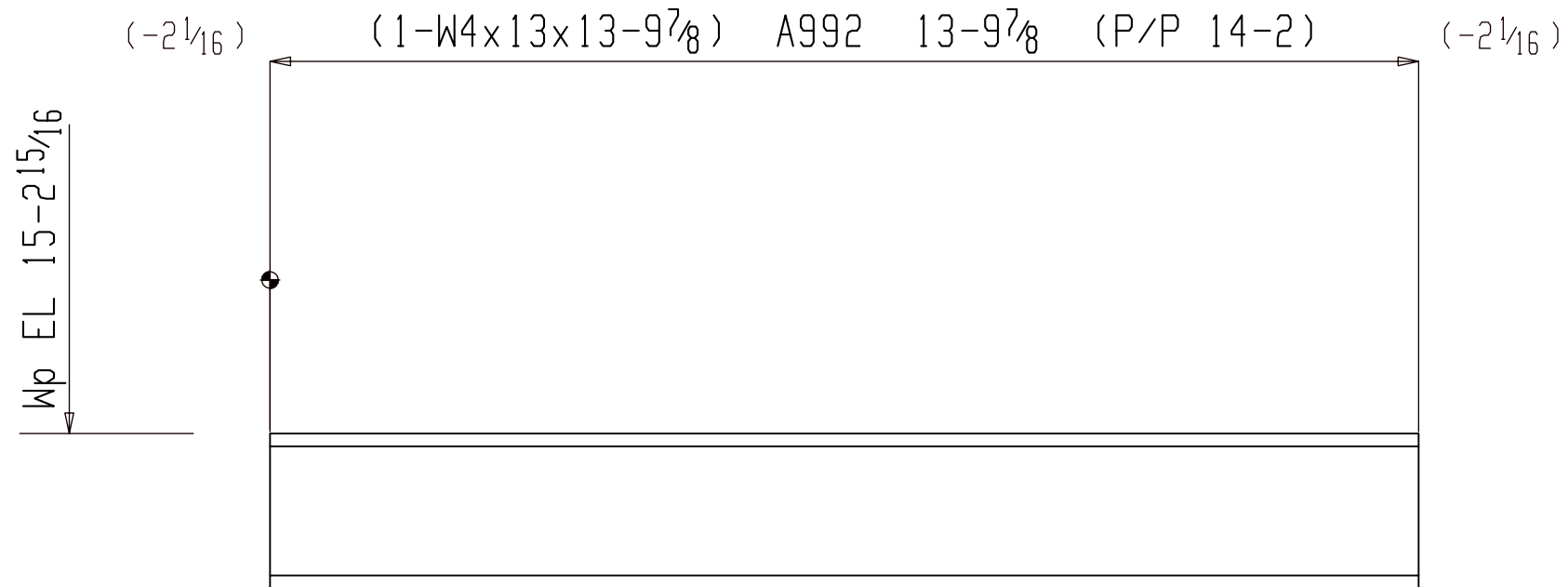
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES UN:	13/16Ø	PAINT UN:	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	BEAM DETAIL	JOB NUMBER:	459	SHEET NO.:	B108	REV:	△



6 BEAMS B109

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

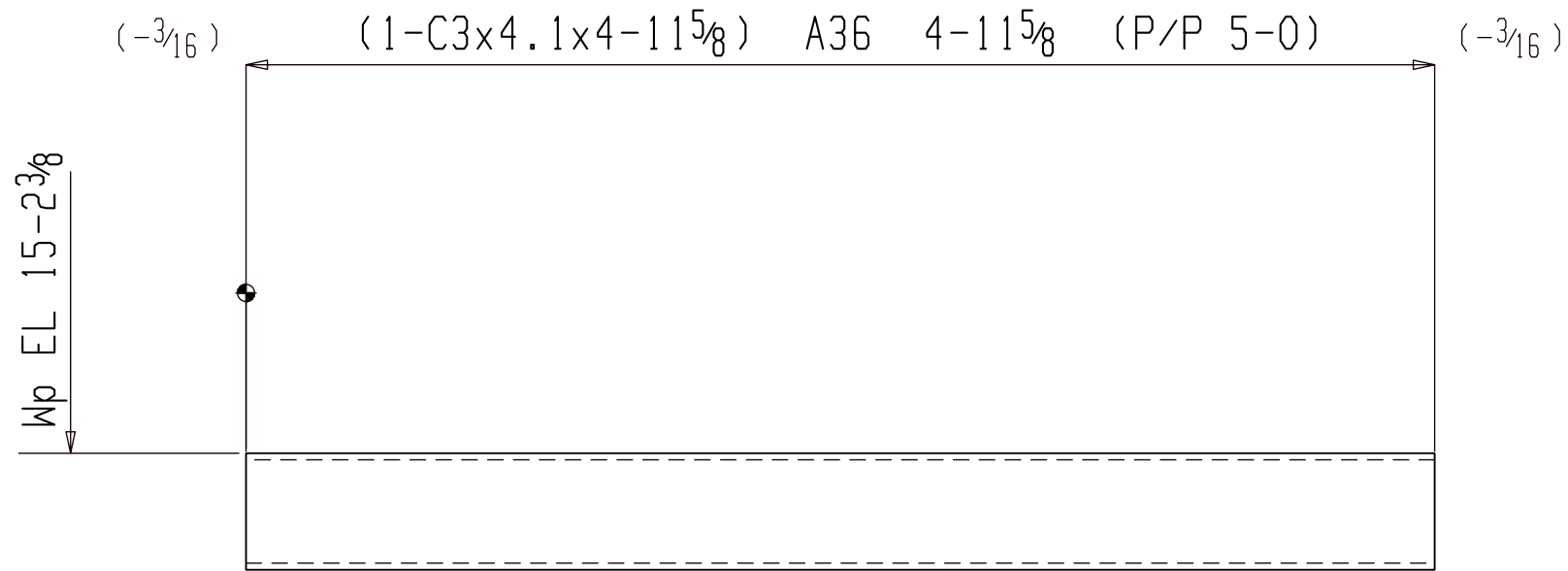
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B109		6	BEAM				1078
	B109	6	W4x13	13-9 7/8		A992	1078

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: BEAM DETAIL		JOB NUMBER 459	SHEET NO. B109
			REV △



3 BEAMS B110

(ASSEMBLY REFER: AS101)

SHOP NOTE:
TOE DIRECTION FAR SIDE

NO PAINT

FOR FABRICATION

SHOP NOTES:

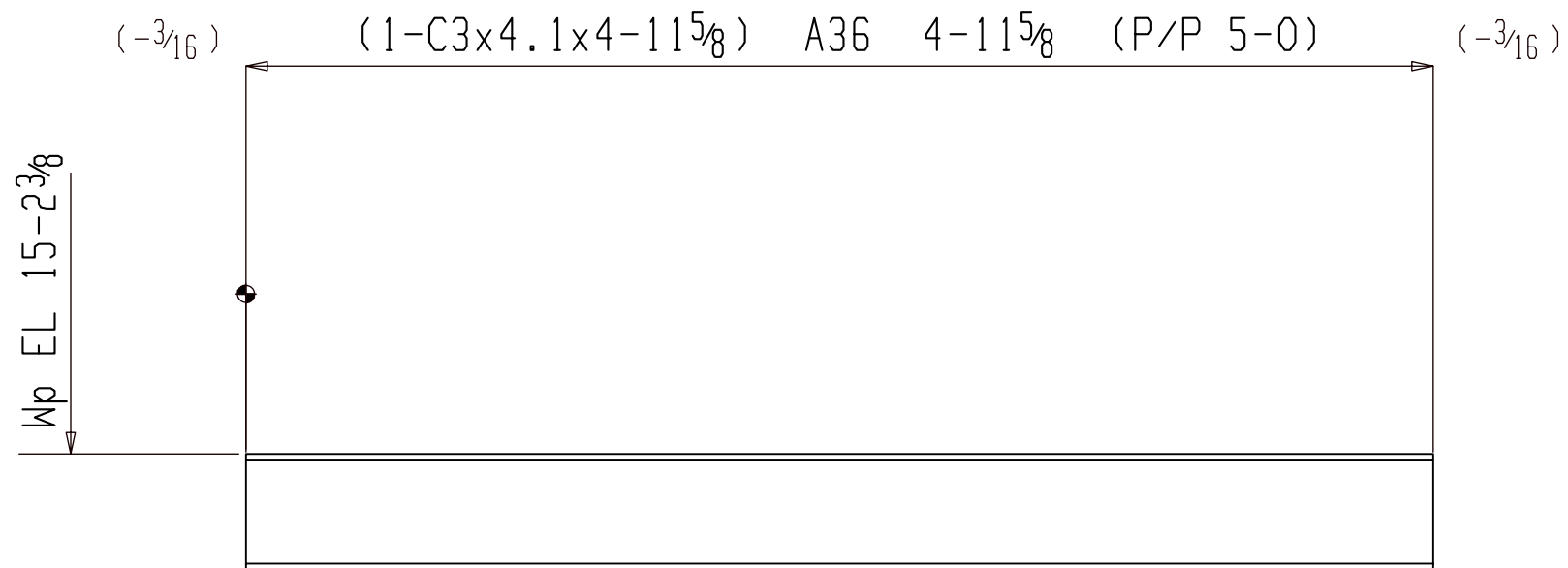
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B110		3	BEAM				61
	B110	3	C3x4.1	4-11 5/8		A36	61

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	BEAM DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	B110
		REV	△



3 BEAMS B111

(ASSEMBLY REFER: AS101)

SHOP NOTE:
TOE DIRECTION NEAR SIDE

NO PAINT

FOR FABRICATION

SHOP NOTES:

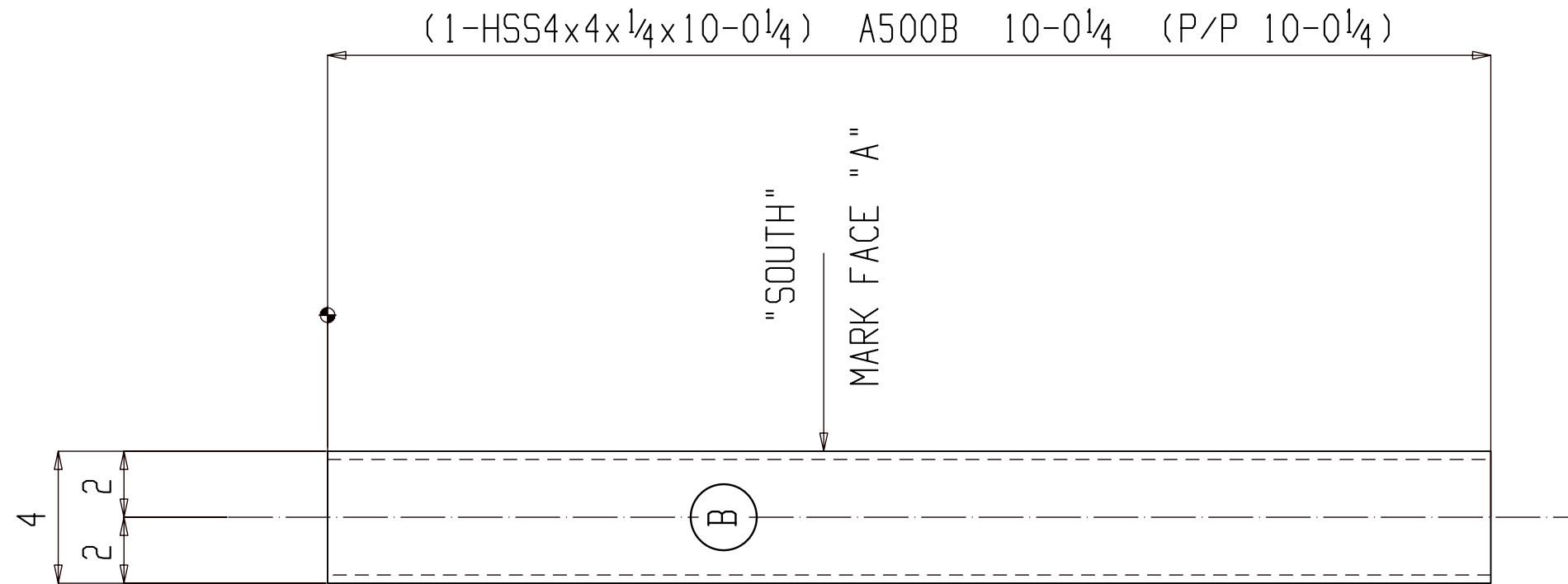
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B111		3	BEAM				61
	B111	3	C3x4.1	4-115/8		A36	61

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: BEAM DETAIL		JOB NUMBER: 459	SHEET NO. B111
		REV	△



5 COLUMNS C101

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

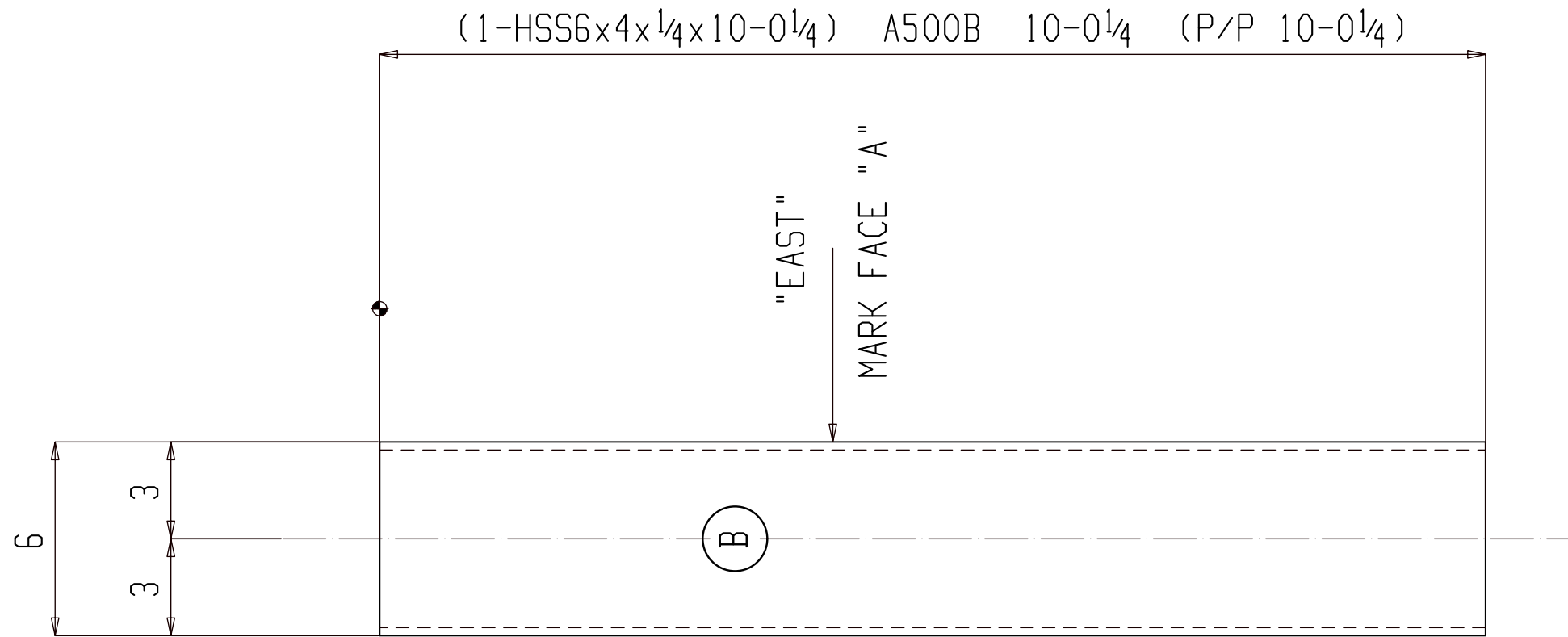
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
C101		5	COLUMN				612
	C101	5	HSS4x4x1/4	10-0 1/4		A500B	612

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: COLUMN DETAIL		JOB NUMBER: 459	SHEET NO. C101
		REV	△



ONE COLUMN C102

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

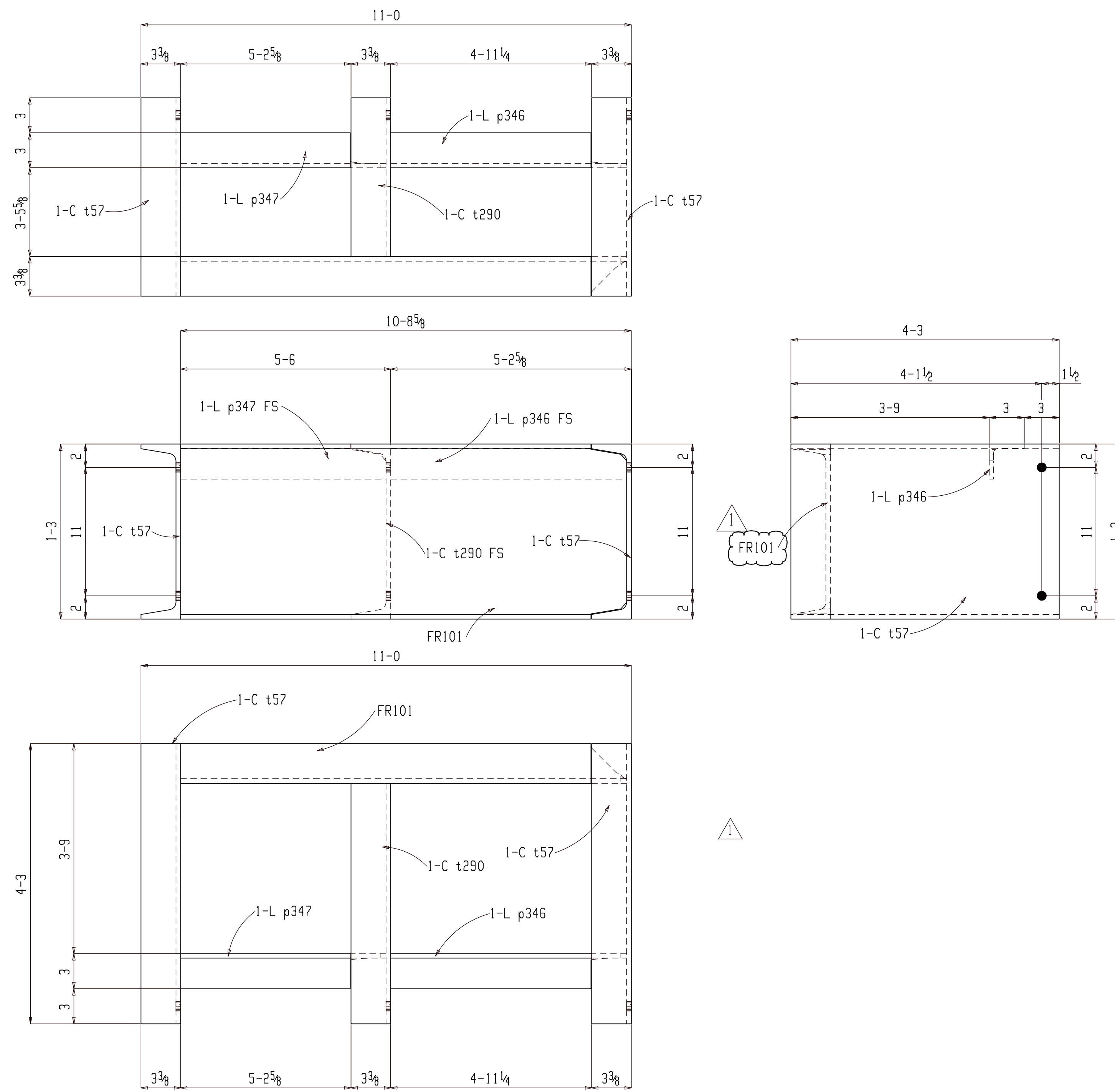
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
C102		ONE	COLUMN				157
	C102	1	HSS6x4x 1/4	10-0 1/4		A500B	157

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	COLUMN DETAIL	JOB NUMBER	459	SHEET NO.	C102	REV	△



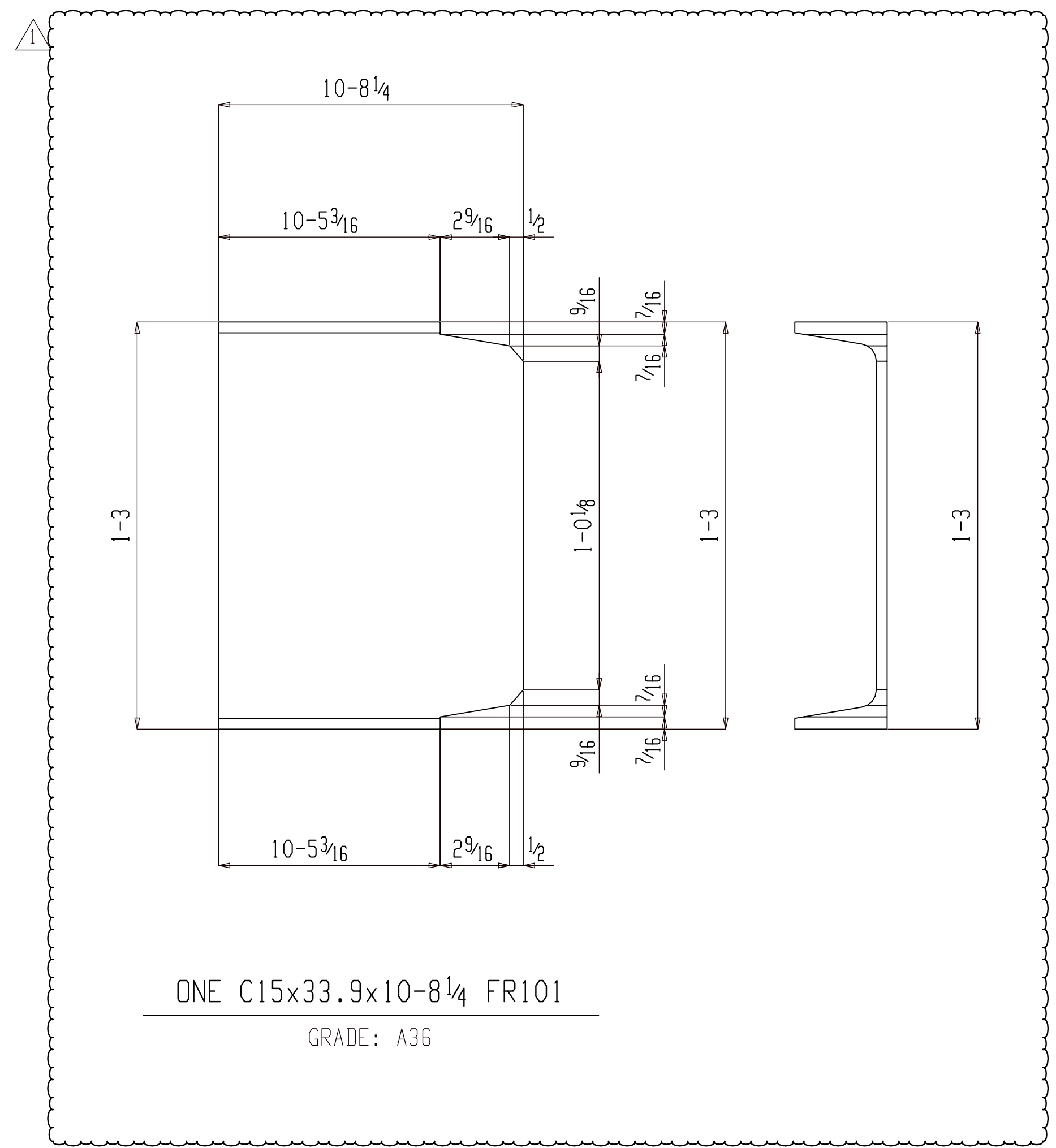
ONE FRAME FR101

(ASSEMBLY REFER: AS103)

GALVANIZED

SHOP NOTE:

1. UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
2. SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
3. FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
4. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4" FILLET WELDS.



FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR101		ONE	FRAME		(GALV)		862
	FR101	1	C15x33.9	10-8 1/4		A36	362
	p347	1	L3x3x3/8	5-5 5/8		A36	39
	p346	1	L3x3x3/8	5-2 1/4		A36	37
	t290	1	C15x33.9	3-11 5/8		A36	134
	t57	2	C15x33.9	4-3		A36	288
			FIELD BOLTS				

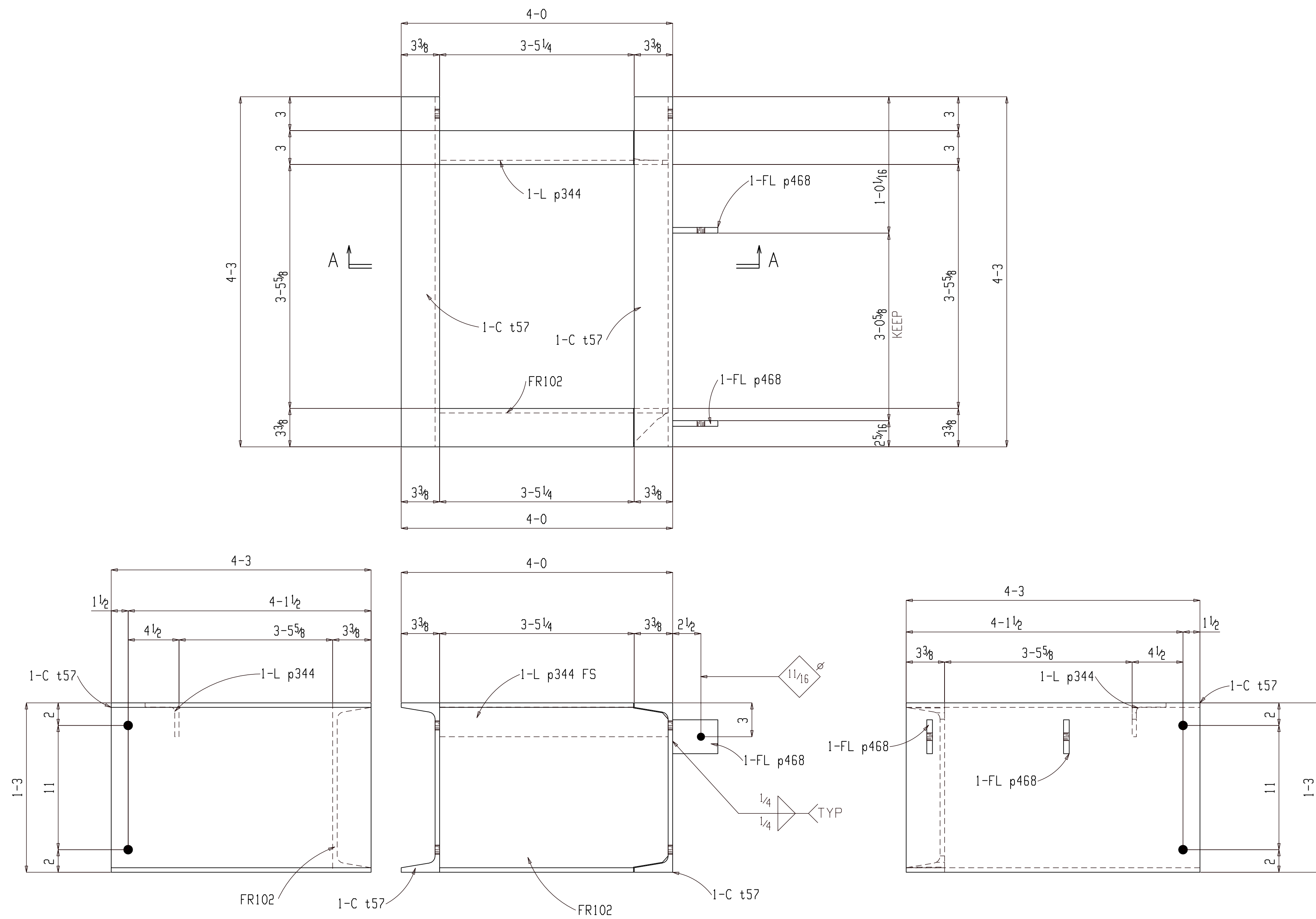
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
		6	TC 3/4 Dia A325N		+1HD WASH		
					GALV		

SHOP NOTES:

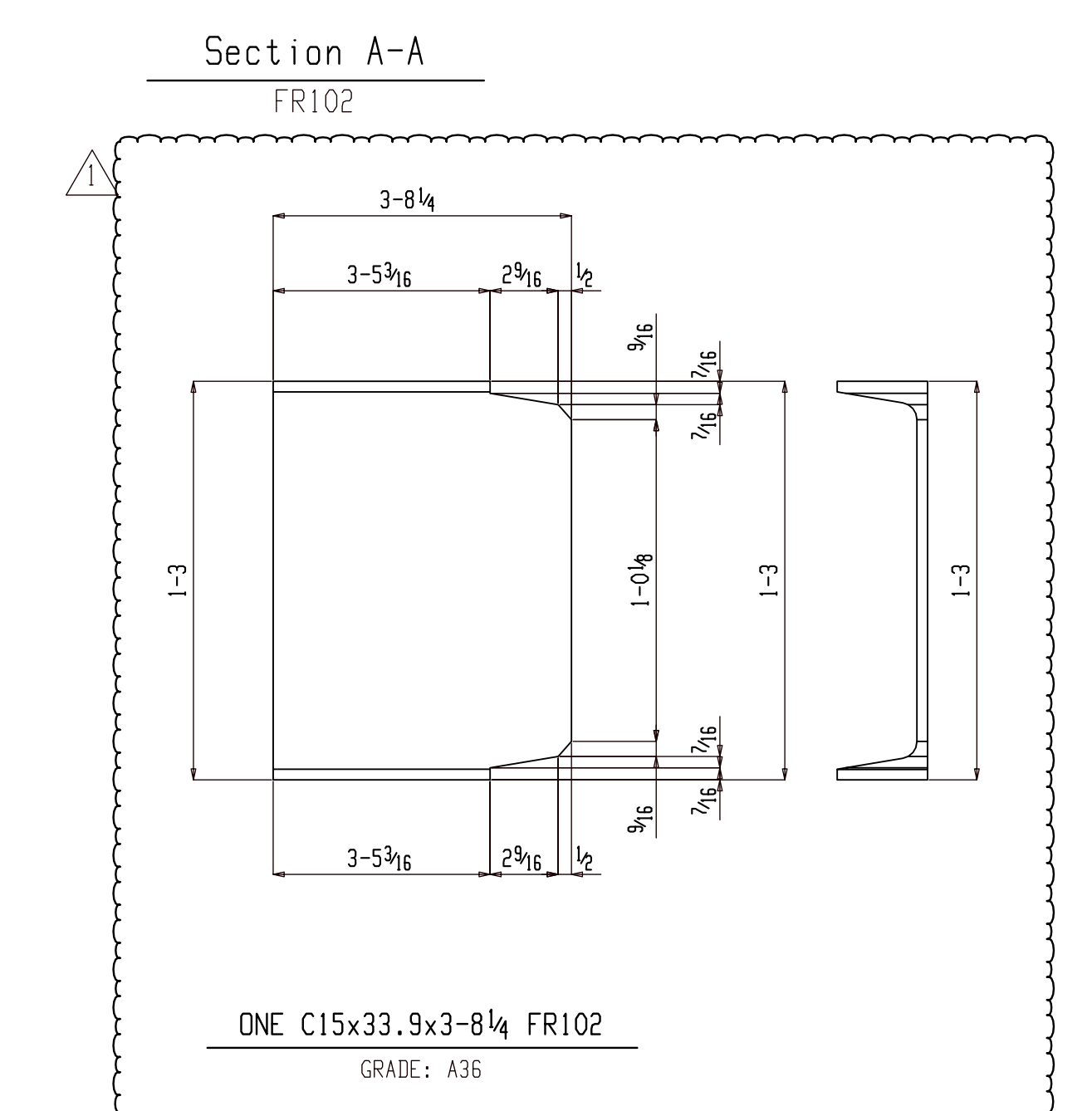
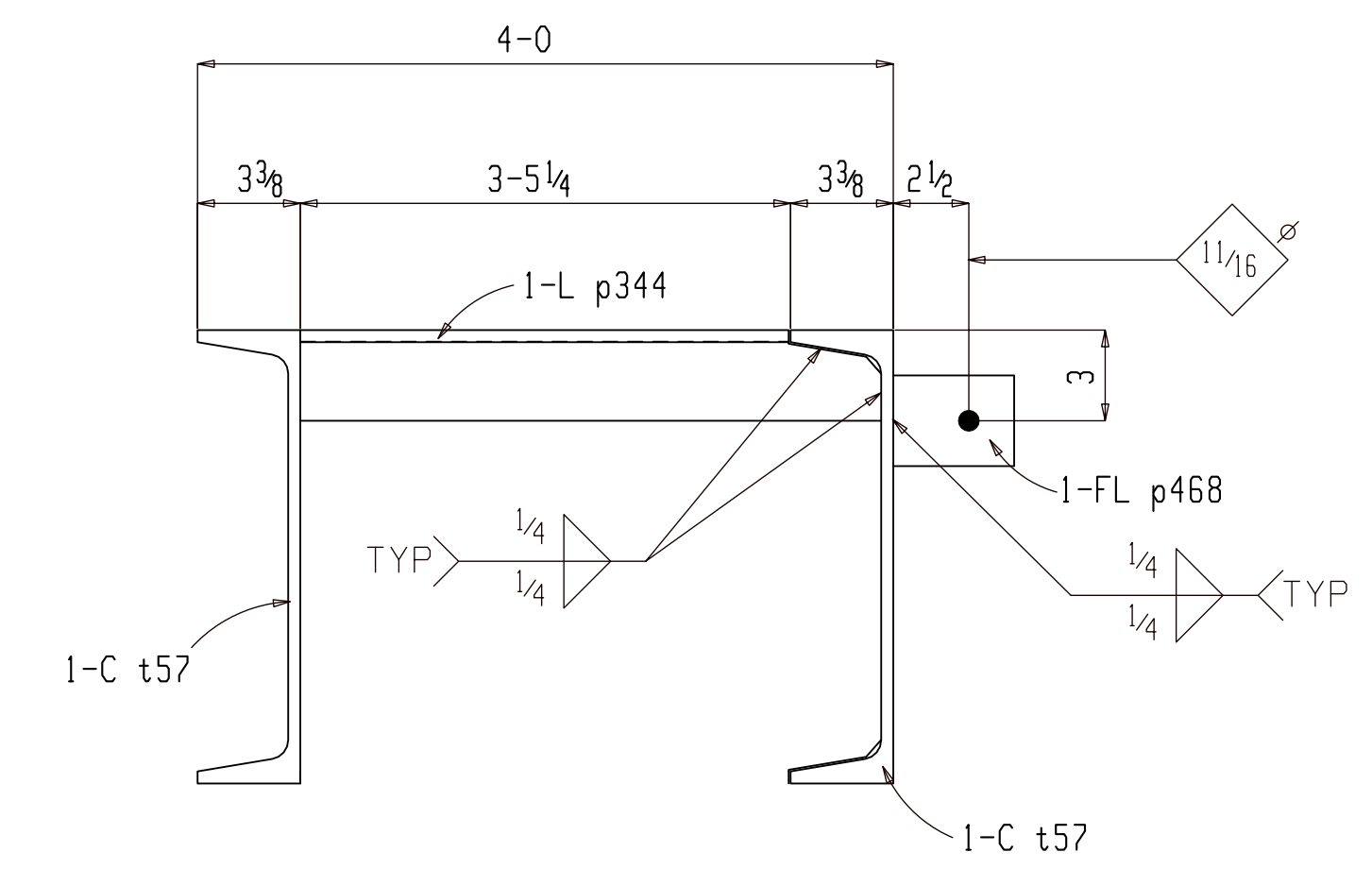
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△ FR101 DETAIL ADDED	ALN	07-20-22	
△ For Fabrication	ALN	07-18-22	
△ For Re-Approval	ALN	07-04-22	
△ For Approval	ALN	06-20-22	
REV.	DESCRIPTION	BY	DATE

HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	FRAME DETAIL	JOB NUMBER:	459	SHEET NO.:	FR101	REV:	△



ONE FRAME FR102
 (ASSEMBLY REFER: AS104)
 GALVANIZED

SHOP NOTE:
 1. UPON COMPLETION OF WELDING ROUND CORNERS AND GRIND EDGES SMOOTH.
 2. SANDBLAST ALL FABRAICATION EXCEPT PRE-GALVANIZED GRIP STRUT TO SSPC-SP-6 AND APPLY 3 COATS OF COLD GALVANIZING COMPOUND, ZRC OR EQUAL.
 3. FURNISH GALVANIZED STEEL NUTS, BOLTS AND WASHERS FOR FIELD ASSEMBLY.
 4. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR 1/4" FILLET WELDS.



FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR102		ONE	FRAME		(GALV)		443
	FR102	1	C15x33.9	3-8 1/4		A36	125
	p344	1	L3x3x3/8	3-8 1/4		A36	27
	p468	2	FB 1/2x4	3		A36	3
	t57	2	C15x33.9	4-3		A36	288
			FIELD BOLTS				
		4	TC 3/4 Dia A325N	2	+1HD WASH		

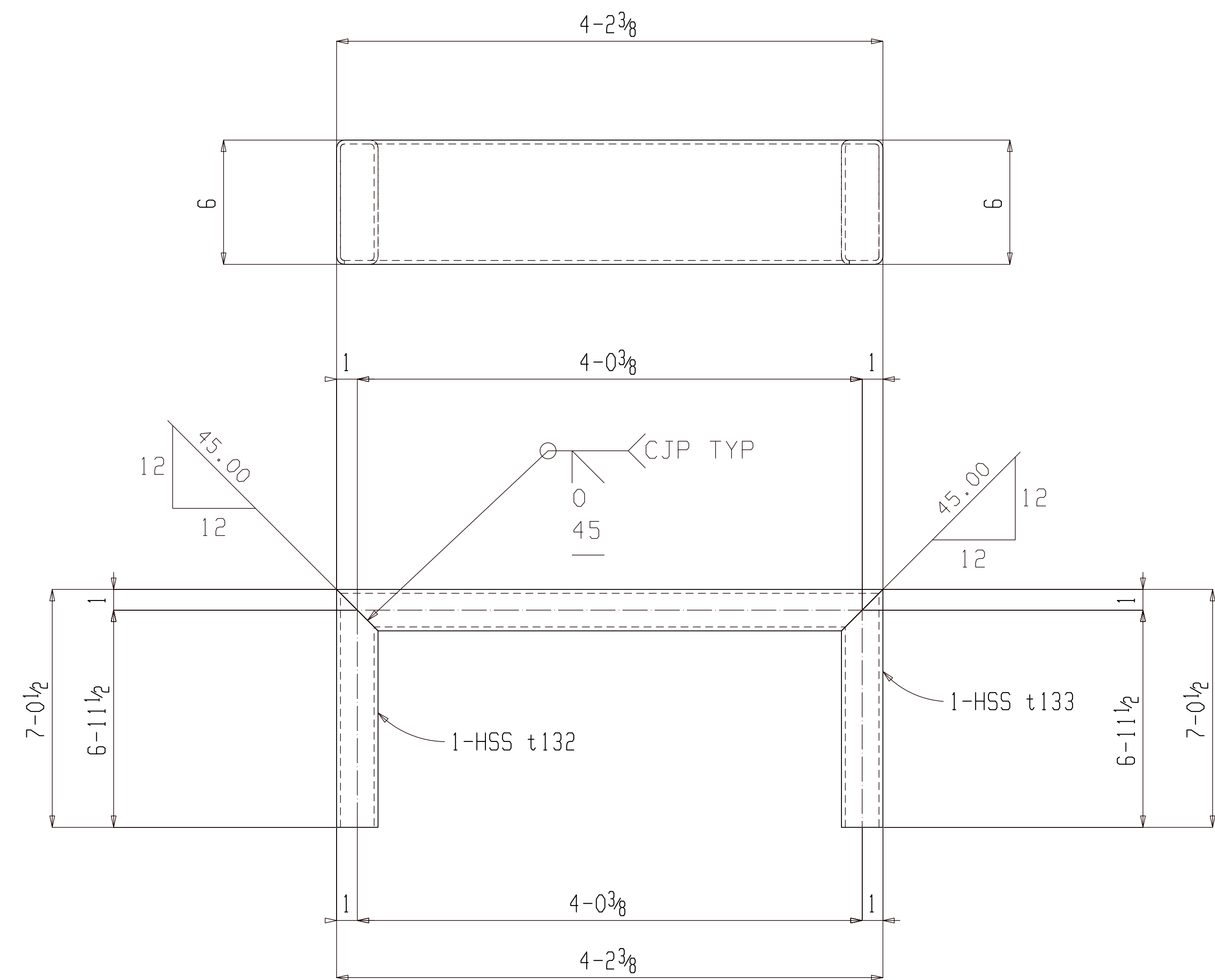
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
					GALV		

SHOP NOTES:

REV.	DESCRIPTION	BY	DATE
△	FR102 DETAIL ADDED	ALN	07-20-22
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	FRAME DETAIL	JOB NUMBER:	459	SHEET NO.:	FR102	REV:	△



2 FRAMES FR103

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:

- FABRICATE FRAMED OPENINGS FOR DOORS, WINDOWS ETC, WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.
- FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED AND LOCATE TO INSIDE EDGE OR CENTERLINE AS INDICATED.

BILL OF MATERIAL

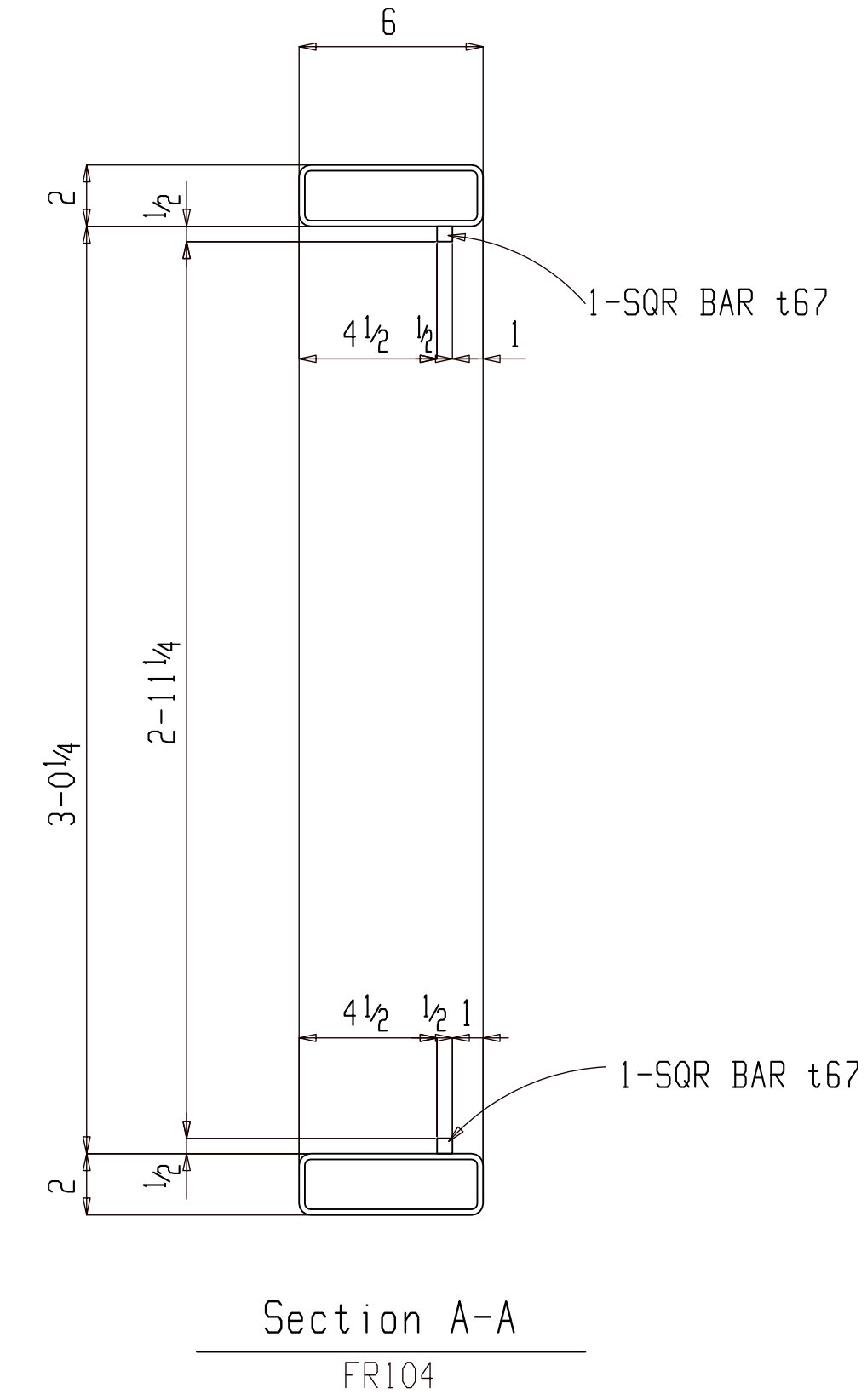
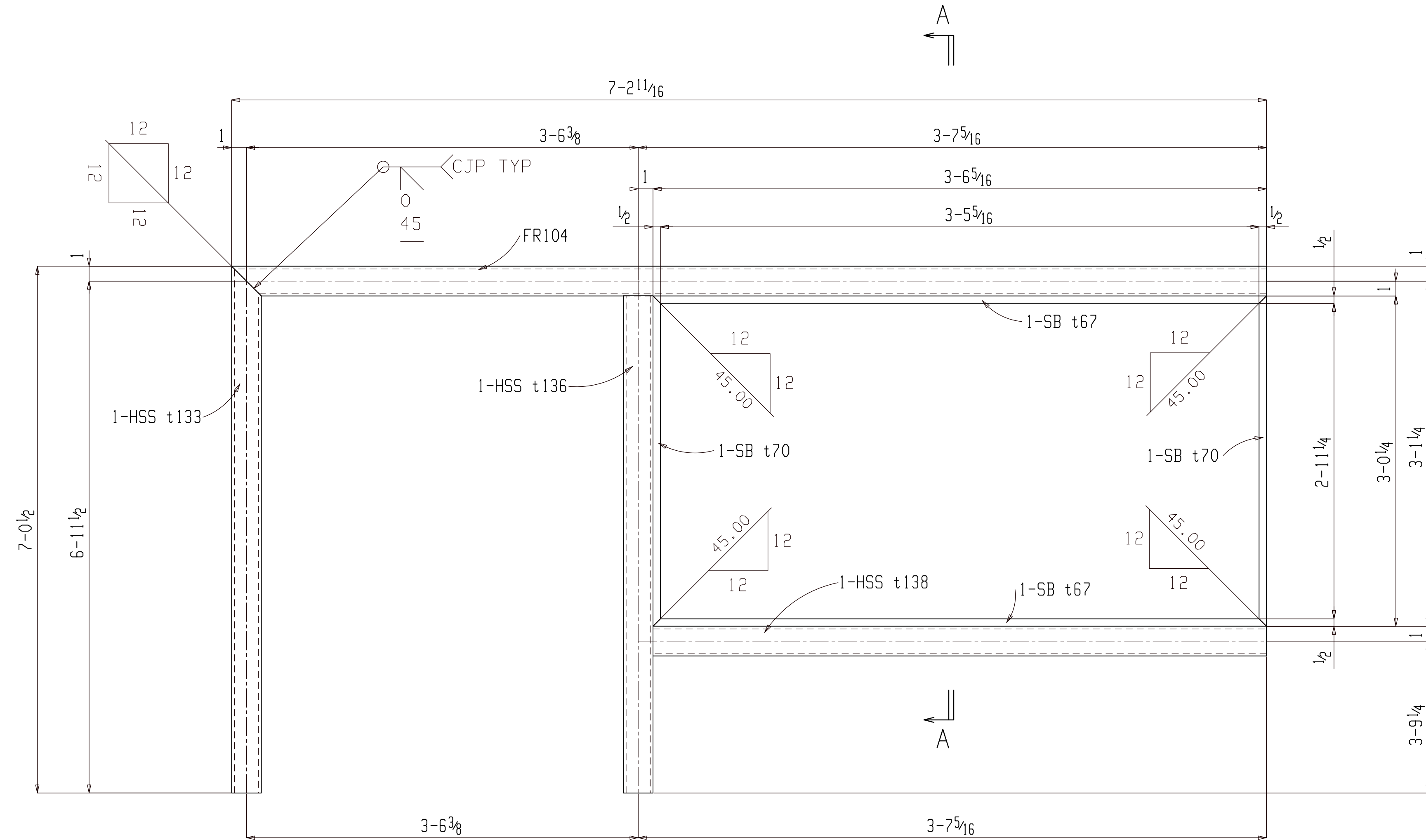
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR103		2	FRAME				344
	FR103	2	HSS6x2x3/16	4-2 3/8		A500B	79
	t133	2	HSS6x2x3/16	7-0 1/2		A500B	133
	t132	2	HSS6x2x3/16	7-0 1/2		A500B	133

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

FOR FABRICATION

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR103
		REV:	△



SHOP NOTE:

1. FABRICATE FRAMED OPENINGS FOR DOORS, WINDOWS ETC, WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED AND LOCATE TO INSIDE EDGE OR CENTERLINE AS INDICATED.
3. 1/2" STEEL BAR SEAL WELDED TO HSS FRAME ALL AROUND FOR STOP, TYP.

ONE FRAME FR104

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

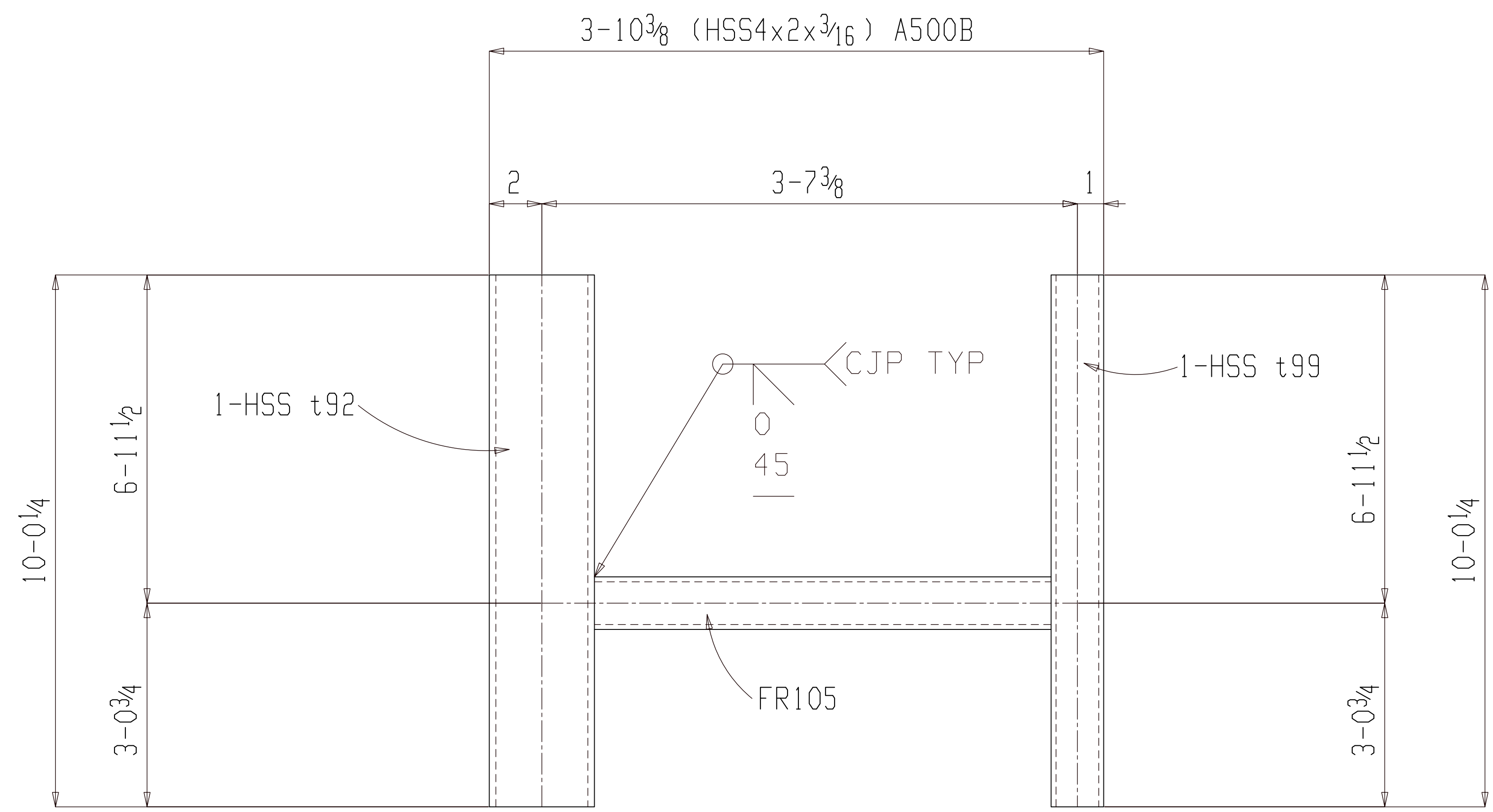
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR104		ONE	FRAME				243
	FR104	1	HSS6x2x3/16	7-21 1/16		A500B	68
	t70	2	SB 1/2	3-0 1/4		A36	5
	t67	2	SB 1/2	3-6 5/16		A36	6
	t138	1	HSS6x2x3/16	3-6 5/16		A500B	33
	t136	1	HSS6x2x3/16	6-10 1/2		A500B	65
	t133	1	HSS6x2x3/16	7-0 1/2		A500B	66

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
Holes U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	FRAME DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	FR104
REV.			



ONE FRAME FR105

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:
 1. FABRICATE FRAMED OPENINGS FOR DOORS, WINDOWS ETC, WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.
 2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED AND LOCATE TO INSIDE EDGE OR CENTERLINE AS INDICATED.

BILL OF MATERIAL

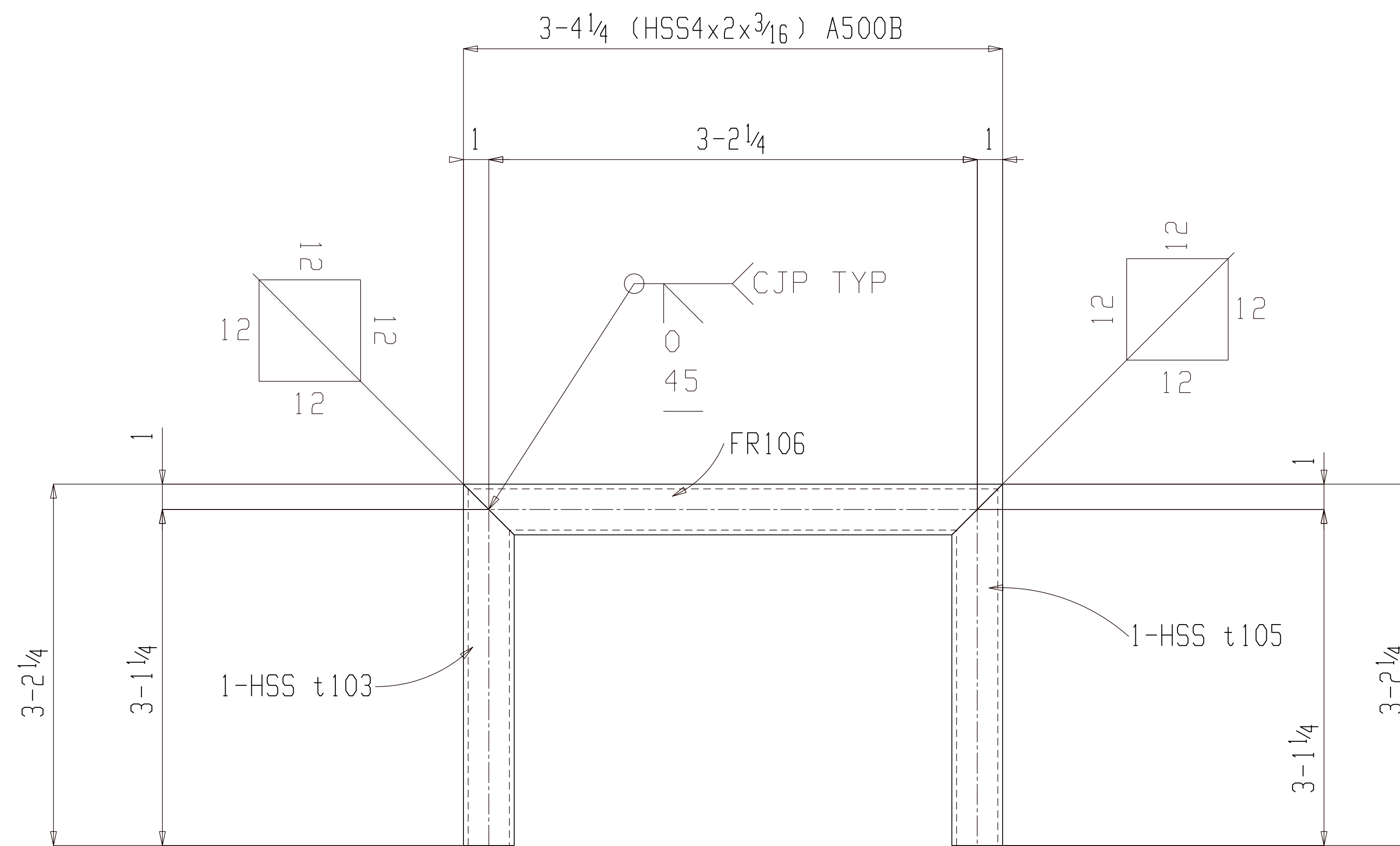
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR105		ONE	FRAME				214
	FR105	1	HSS4x2x3/16	3-4 3/8		A500B	23
	t92	1	HSS4x4x1/4	10-0 1/4		A500B	122
	t99	1	HSS4x2x3/16	10-0 1/4		A500B	69

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

FOR FABRICATION

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR105
		REV:	△



ONE FRAME FR106

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:

- FABRICATE FRAMED OPENINGS FOR DOORS, WINDOWS ETC, WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.
- FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED AND LOCATE TO INSIDE EDGE OR CENTERLINE AS INDICATED.

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR106		ONE	FRAME				67
	FR106	1	HSS4x2x3/16	3-4 1/4		A500B	23
	t105	1	HSS4x2x3/16	3-2 1/4		A500B	22
	t103	1	HSS4x2x3/16	3-2 1/4		A500B	22

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

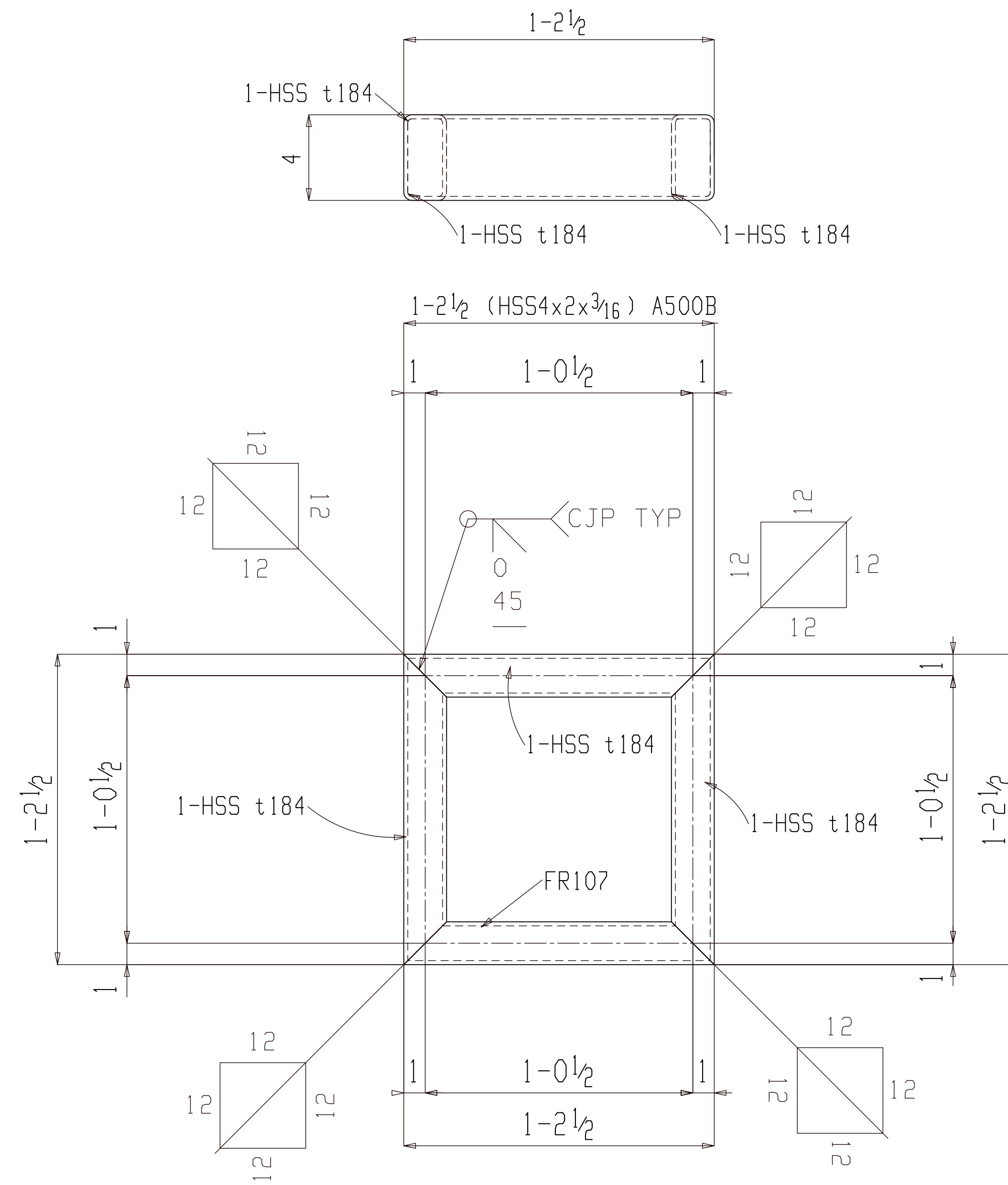
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	FRAME DETAIL	JOB NUMBER:	459	SHEET NO.:	FR106	REV:	△



ONE FRAME FR107

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR107		ONE	FRAME				33
	FR107	1	HSS4x2x3/16	1-2 1/2		A500B	8
	t184	3	HSS4x2x3/16	1-2 1/2		A500B	25

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

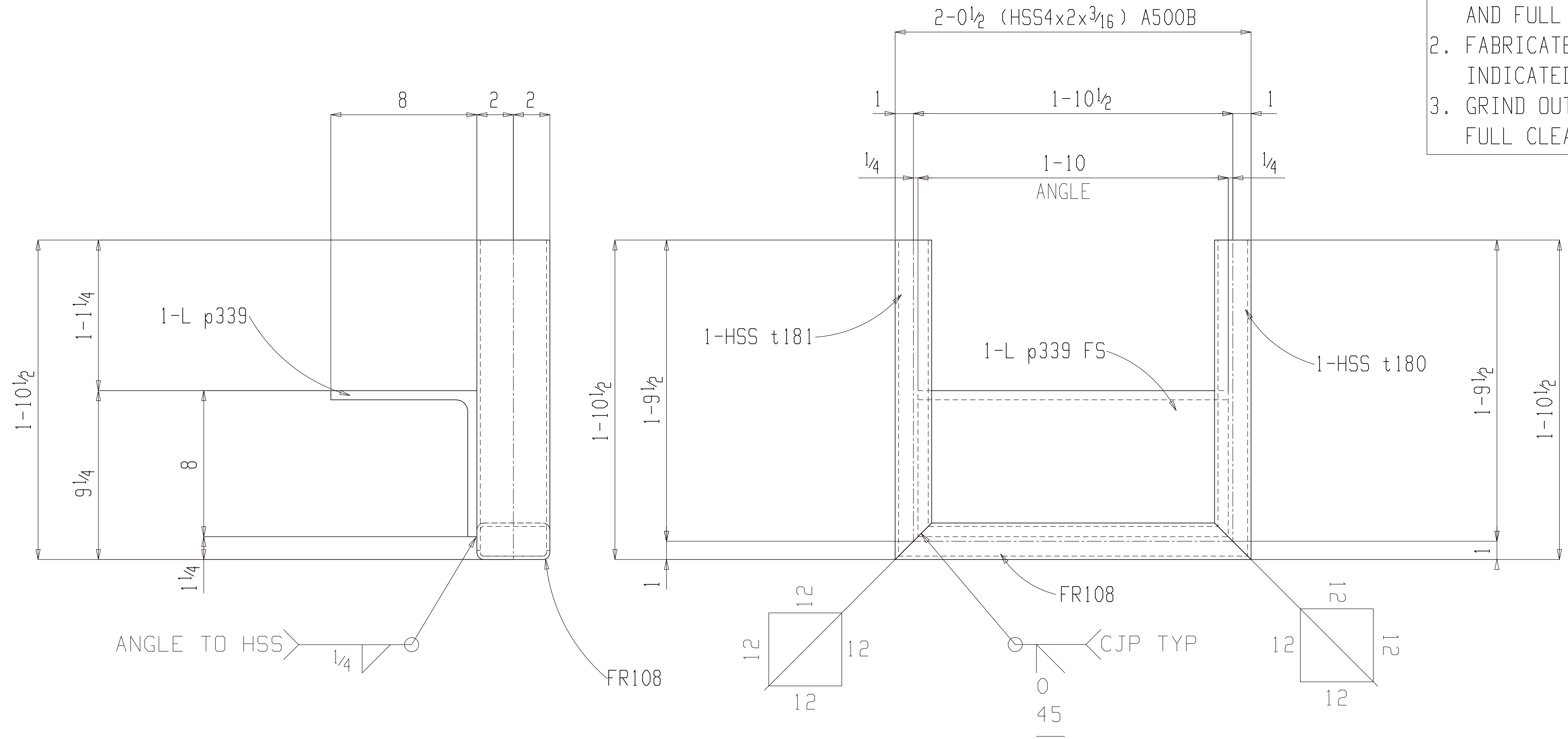
FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR107
		REV.	△

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.



3 FRAMES FR108

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR108		3	FRAME				265
	FR108	3	HSS4x2x3/16	2-0 1/2		A500B	42
	p339	3	L8x8x 1/2	1-10		A36	145
	t181	3	HSS4x2x3/16	1-10 1/2		A500B	39
	t180	3	HSS4x2x3/16	1-10 1/2		A500B	39

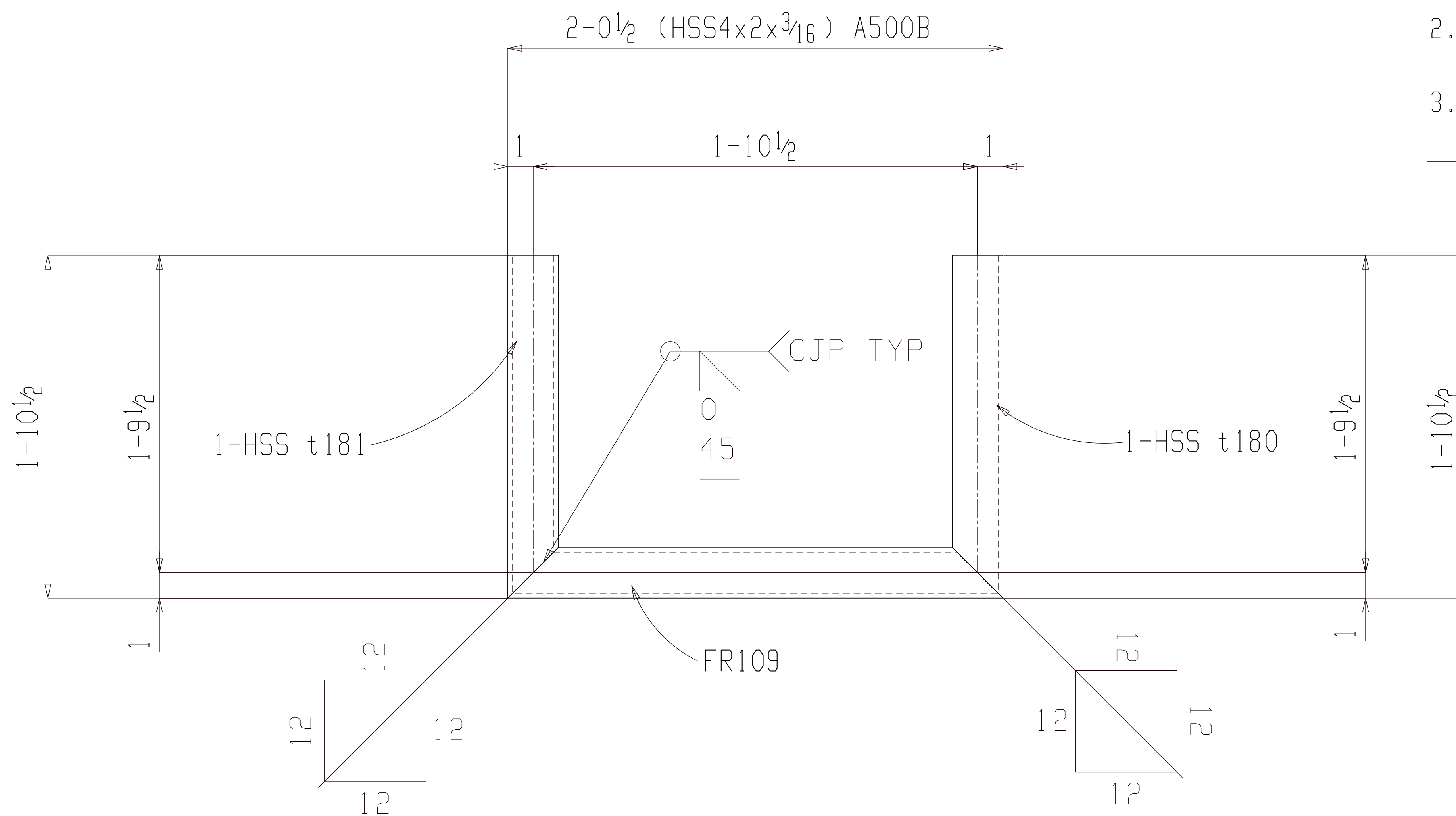
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR108
		REV:	△

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.



2 FRAMES FR109

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR109		2	FRAME				80
	FR109	2	HSS4x2x3/16	2'-0 1/2		A500B	28
	t181	2	HSS4x2x3/16	1'-10 1/2		A500B	26
	t180	2	HSS4x2x3/16	1'-10 1/2		A500B	26

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

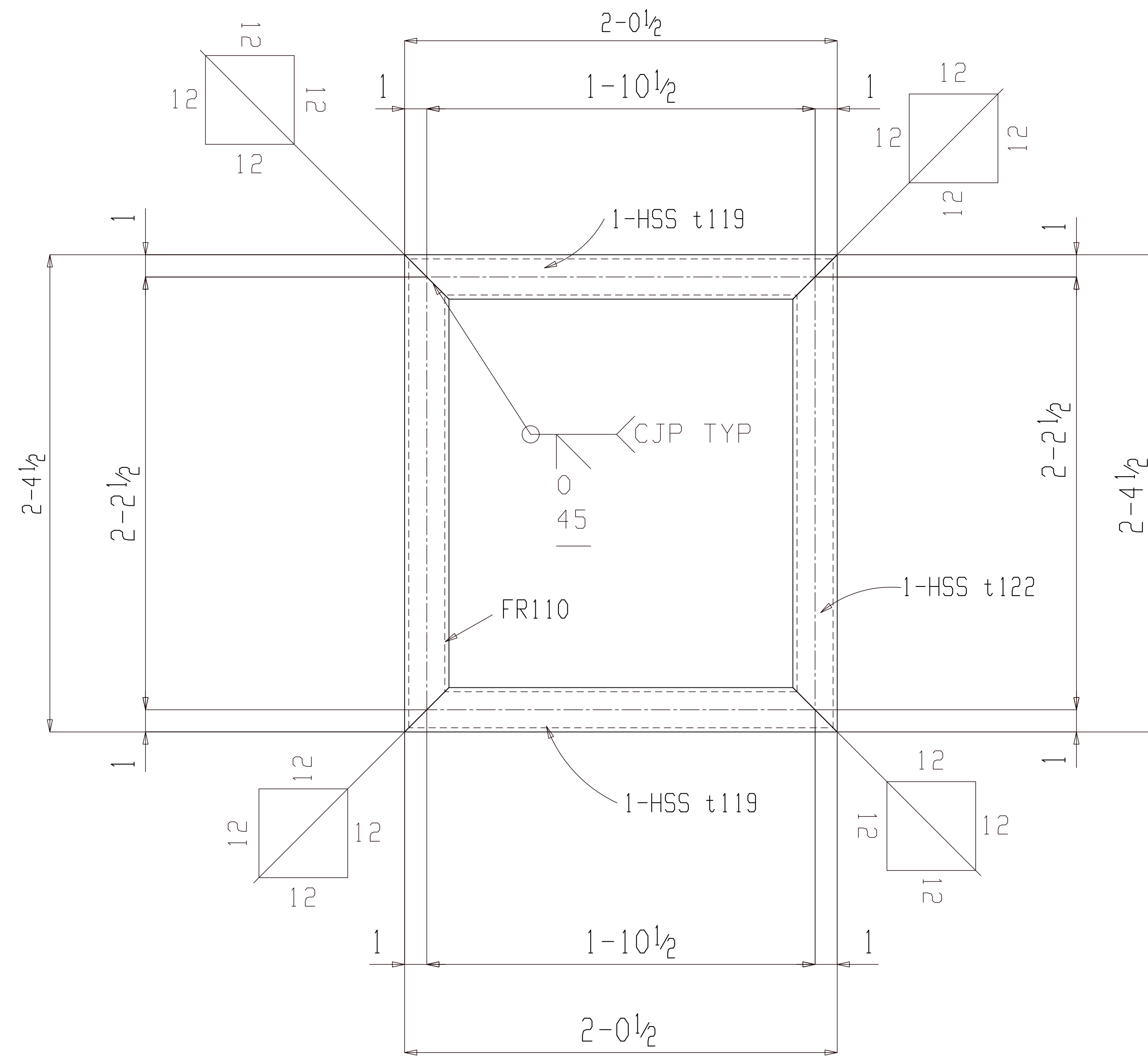
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	FRAME DETAIL	JOB NUMBER:	459	SHEET NO.:	FR109	REV:	△



3 FRAMES FR110

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:

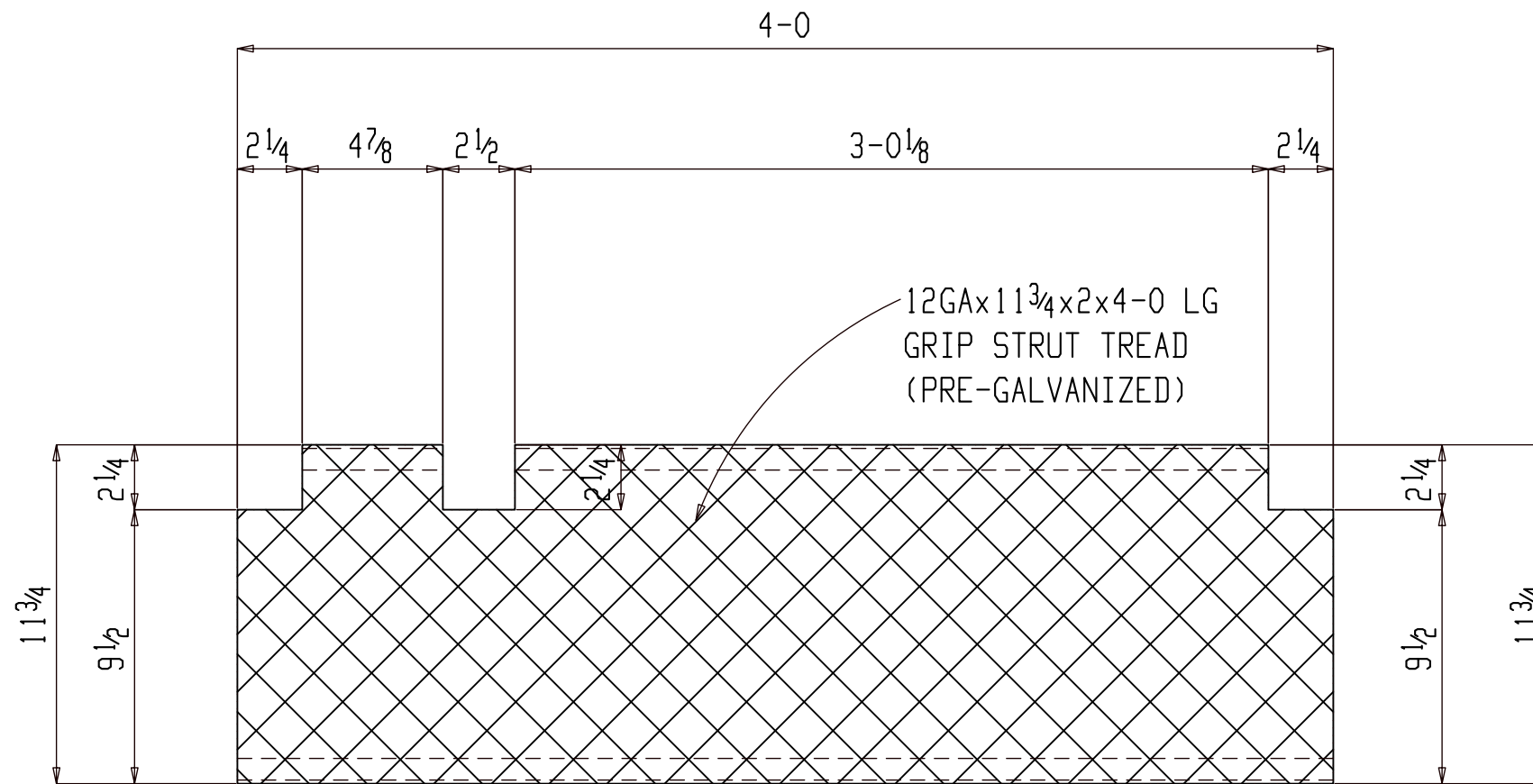
1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR110		3	FRAME				250
	FR110	3	HSS6x2x3/16	2-4 1/2		A500B	67
	t122	3	HSS6x2x3/16	2-4 1/2		A500B	67
	t119	6	HSS6x2x3/16	2-0 1/2		A500B	115

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

FOR FABRICATION

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR110
		REV.	△



ONE GRIPSTRUT GR101

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

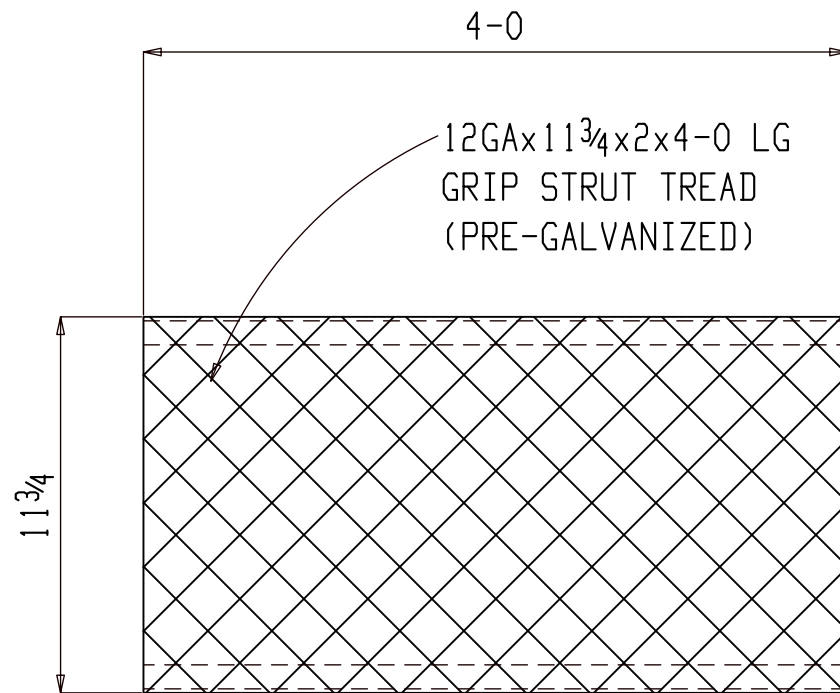
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR101		ONE	GRIPSTRUT		(GALV)		82
	GR101	1	12GAx11 3/4x2	4-0			82

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP3
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	GRIPSTRUT DETAIL	JOB NUMBER	459	SHEET NO.	GR101	REV	△



11 GRIPSTRUTS GR102

(ASSEMBLY REFER: AS103 & AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

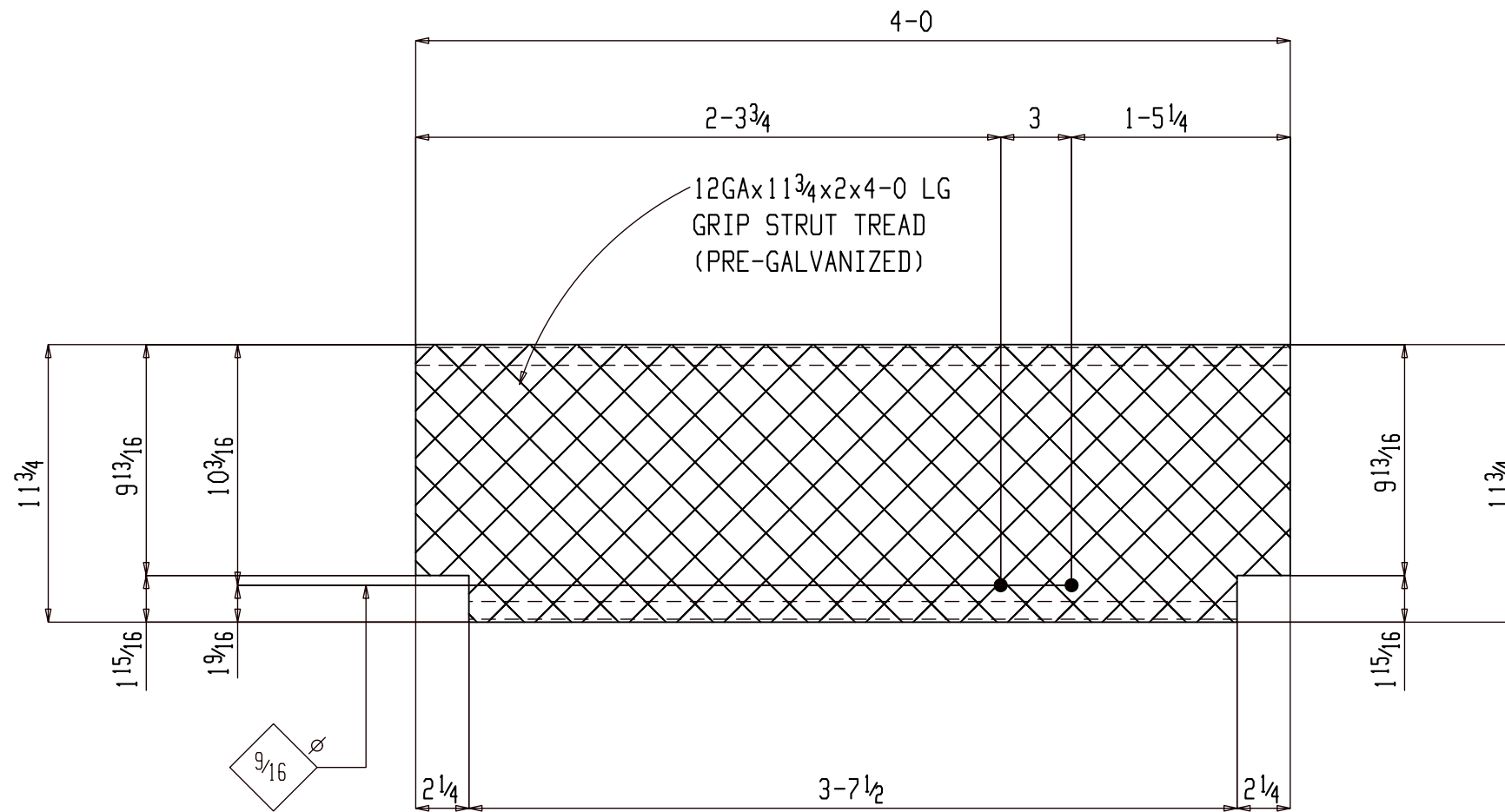
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR102		11	GRIPSTRUT		(GALV)		898
	GR102	11	12GAx1 1/4x2	4-0			898

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-18-22
△	For Re-Approval			ALN	07-04-22
△	For Approval			ALN	06-20-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX
		CLEANING:	SSPC-SP3		
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM
LOCATION:	ALASKA			CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY			SCALE:	N.A.
DESCRIPTION:	GRIPSTRUT DETAIL			DATE:	05-26-22
	JOB NUMBER	SHEET NO.	REV		
	459	GR102	△		



ONE GRIPSTRUT GR103

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

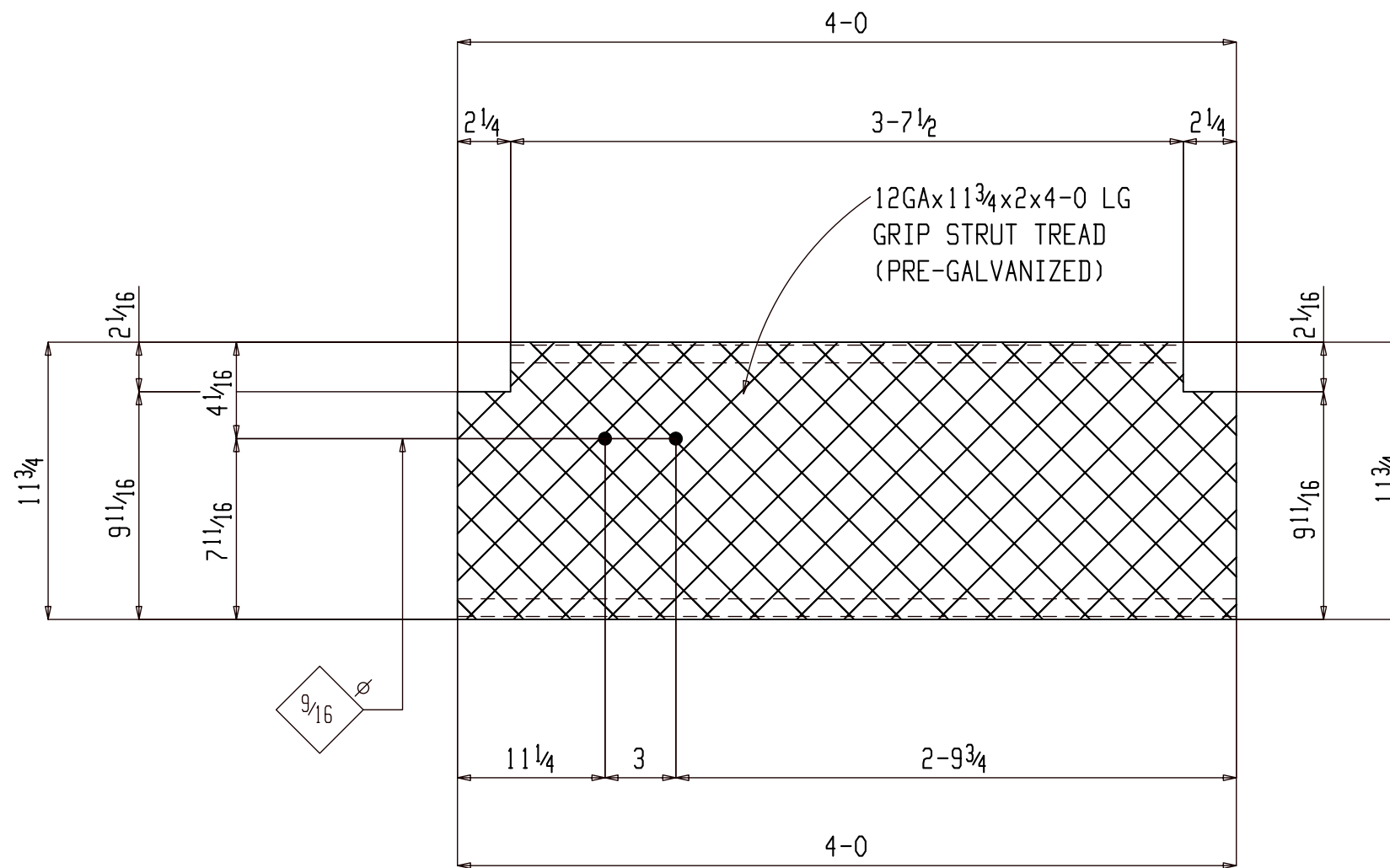
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR103		ONE	GRIPSTRUT		(GALV)		82
	GR103	1	12GAx11 3/4x2	4-0			82

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
△	
△	For Fabrication
△	For Re-Approval
△	For Approval
REV.	DESCRIPTION
	BY
	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP3
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	GRIPSTRUT DETAIL	JOB NUMBER	459	SHEET NO.	GR103	REV	△



ONE GRIPSTRUT GR105

(ASSEMBLY REFER: AS103)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

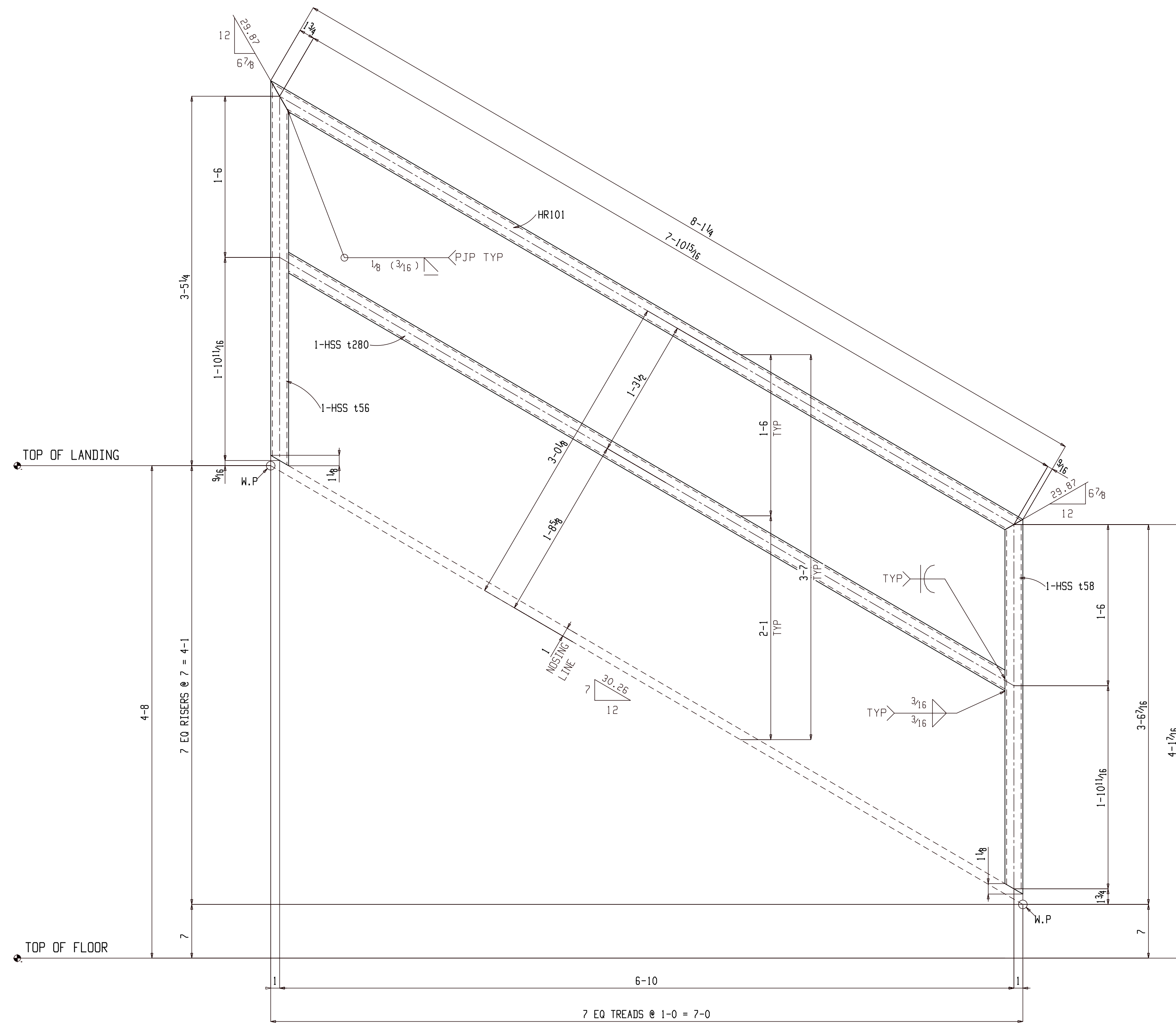
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR105		ONE	GRIPSTRUT		(GALV)		82
	GR105	1	12GAx11 3/4x2	4-0			82

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP3
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	GRIPSTRUT DETAIL	JOB NUMBER	459	SHEET NO.	GR105	REV	△



2 HANDRAILS HR101

(ASSEMBLY REFER: AS105)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR101		2	HANDRAIL		(GALV)		199
	HR101	2	HSS2x2x3/16	8-1 1/4		A500B	70
	t280	2	HSS2x2x3/16	7-9 13/16		A500B	68
	t58	2	HSS2x2x3/16	3-5 13/16		A500B	30
	t56	2	HSS2x2x3/16	3-7		A500B	31

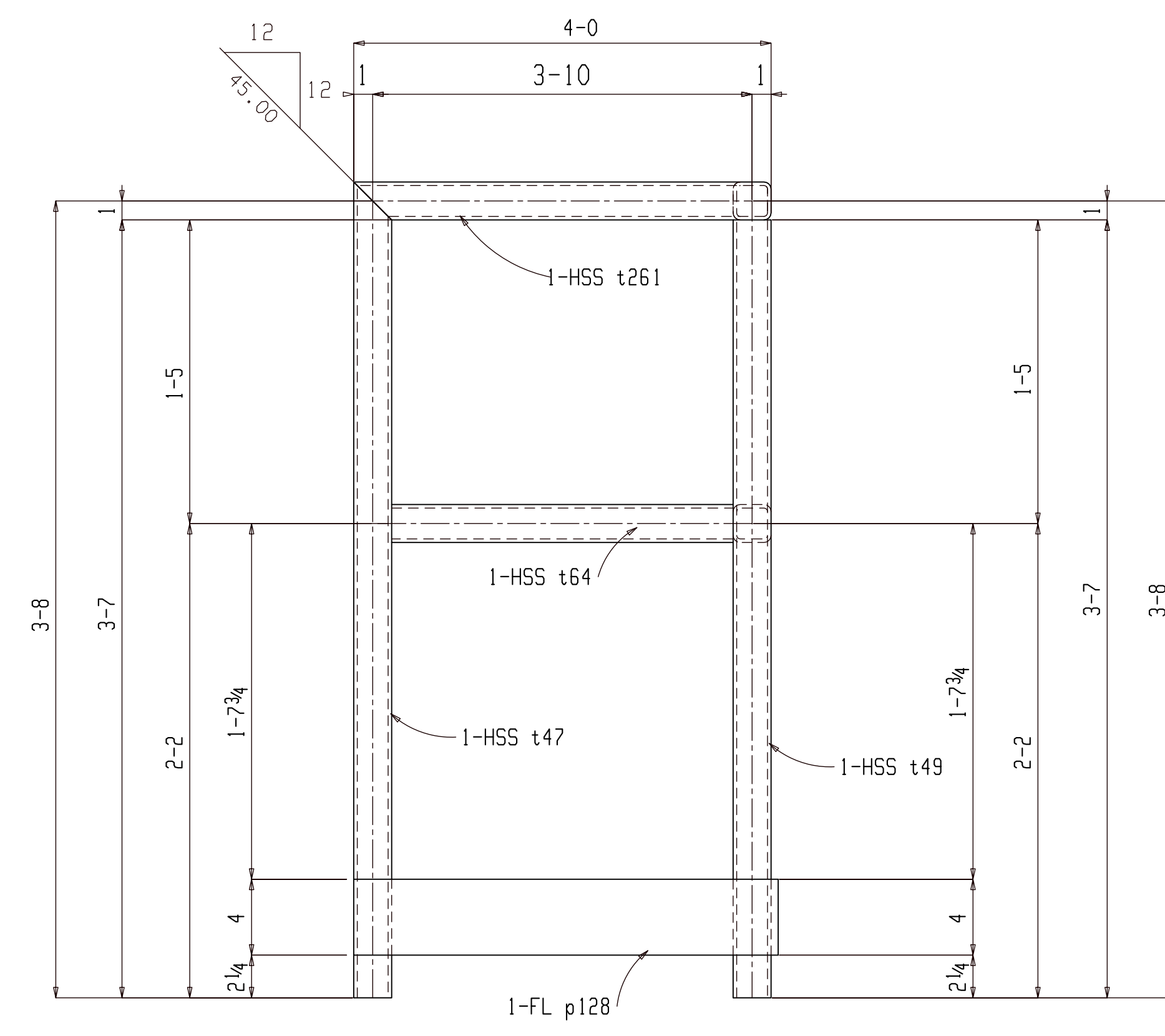
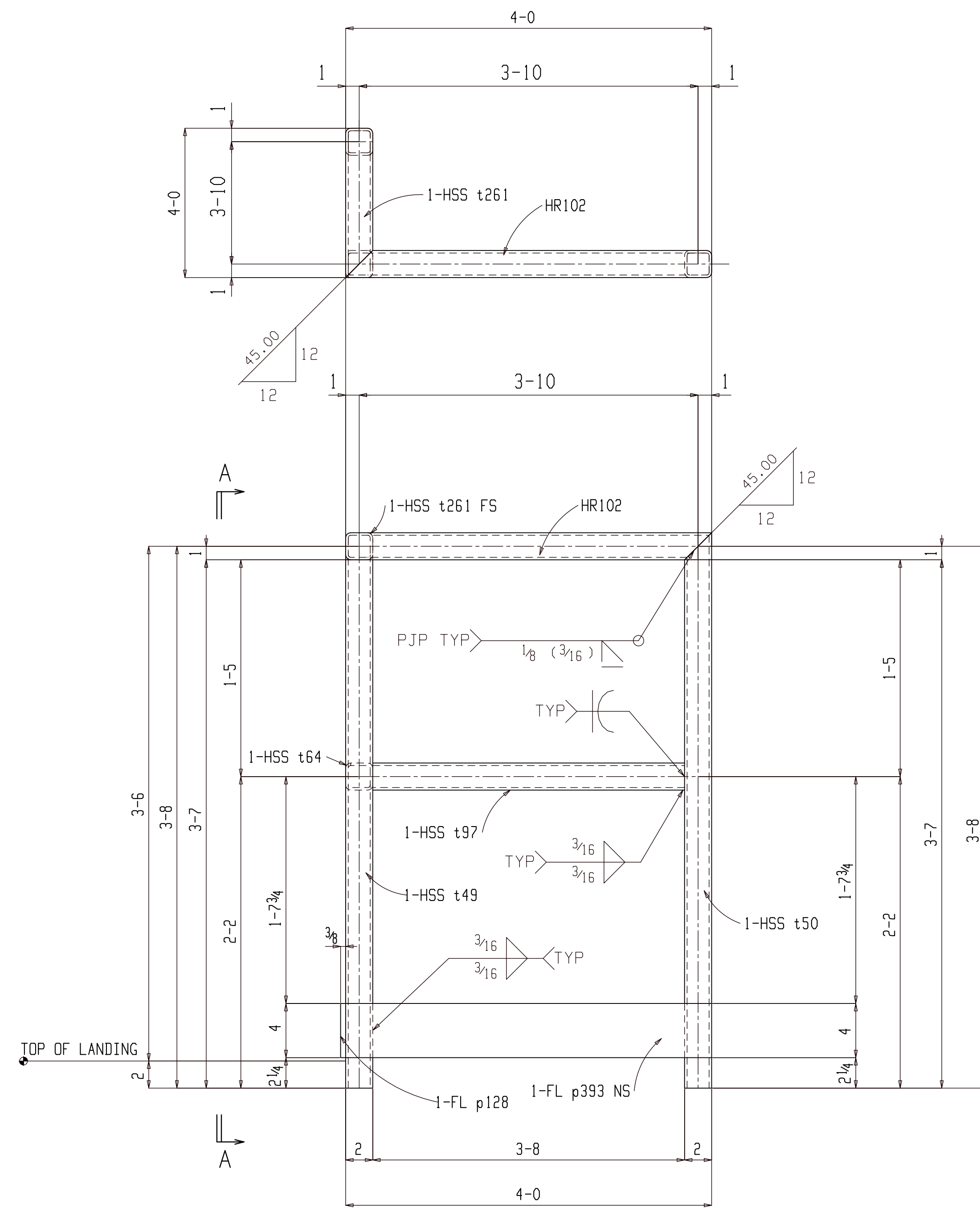
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	HANDRAIL DETAIL	JOB NUMBER:	459	SHEET NO.:	HR101	REV:	△



Section A-A
HR102

ONE HANDRAIL HR102

(ASSEMBLY REFER: A5104)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

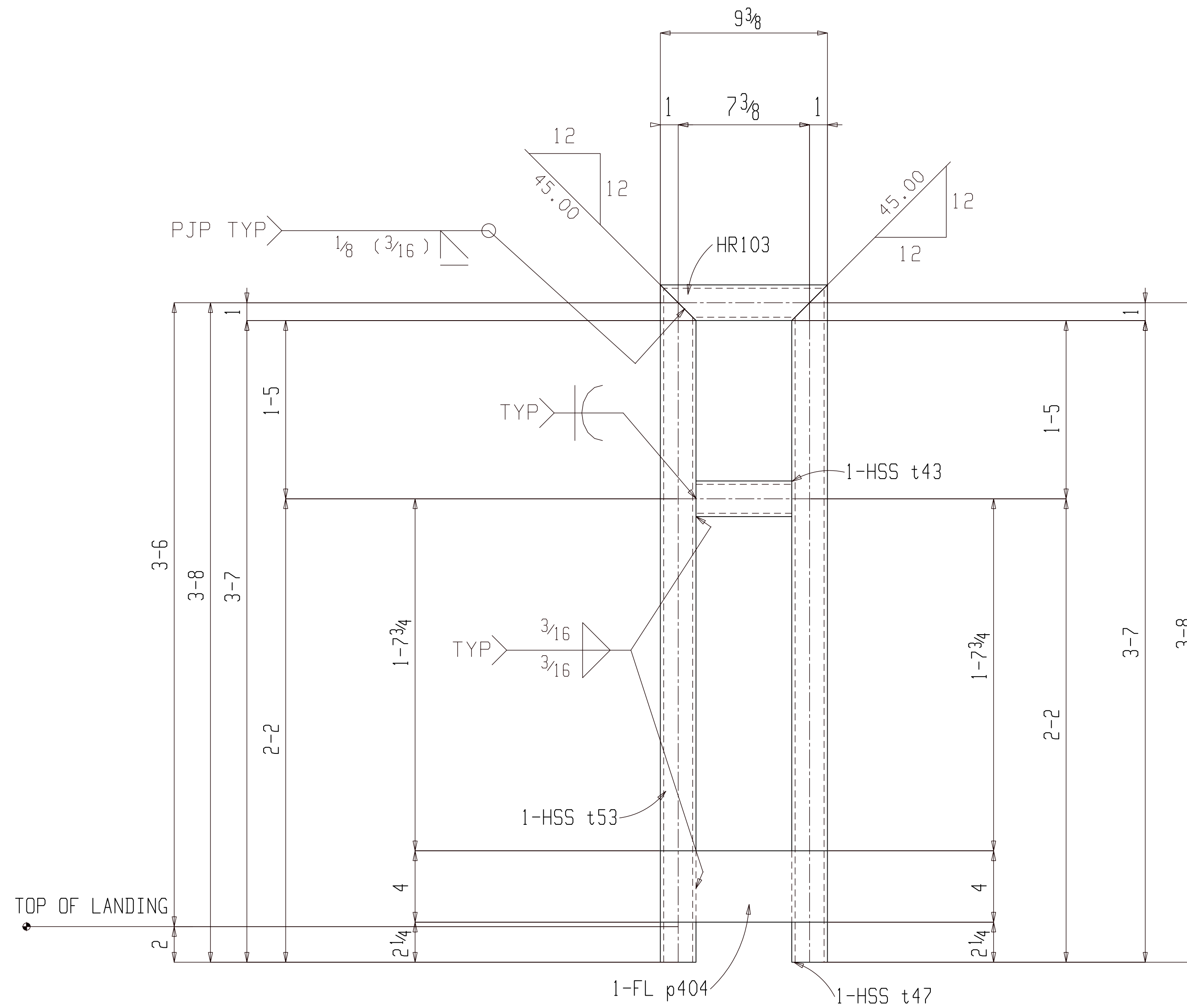
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR102		ONE	HANDRAIL		(GALV)		155
	HR102	1	HSS2x2x3/16	4-0		A500B	17
	t261	1	HSS2x2x3/16	4-0		A500B	17
	t97	1	HSS2x2x3/16	3-8		A500B	16
	t64	1	HSS2x2x3/16	3-8		A500B	16
	t50	1	HSS2x2x3/16	3-9		A500B	16
	t49	1	HSS2x2x3/16	3-7		A500B	15
	t47	1	HSS2x2x3/16	3-9		A500B	16

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p393	1	FB3/8x4	4-0		A36	20
	p128	1	FB3/8x4	4-0		A36	20

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	HANDRAIL DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	HR102
REV.			



ONE HANDRAIL HR103

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR103		ONE	HANDRAIL		(GALV)		42
	HR103	1	HSS2x2x3/16	9 3/8		A500B	3
	t53	1	HSS2x2x3/16	3-9		A500B	16
	t47	1	HSS2x2x3/16	3-9		A500B	16
	t43	1	HSS2x2x3/16	5 3/8		A500B	2
	p404	1	FB3/8x4	9 3/8		A36	4

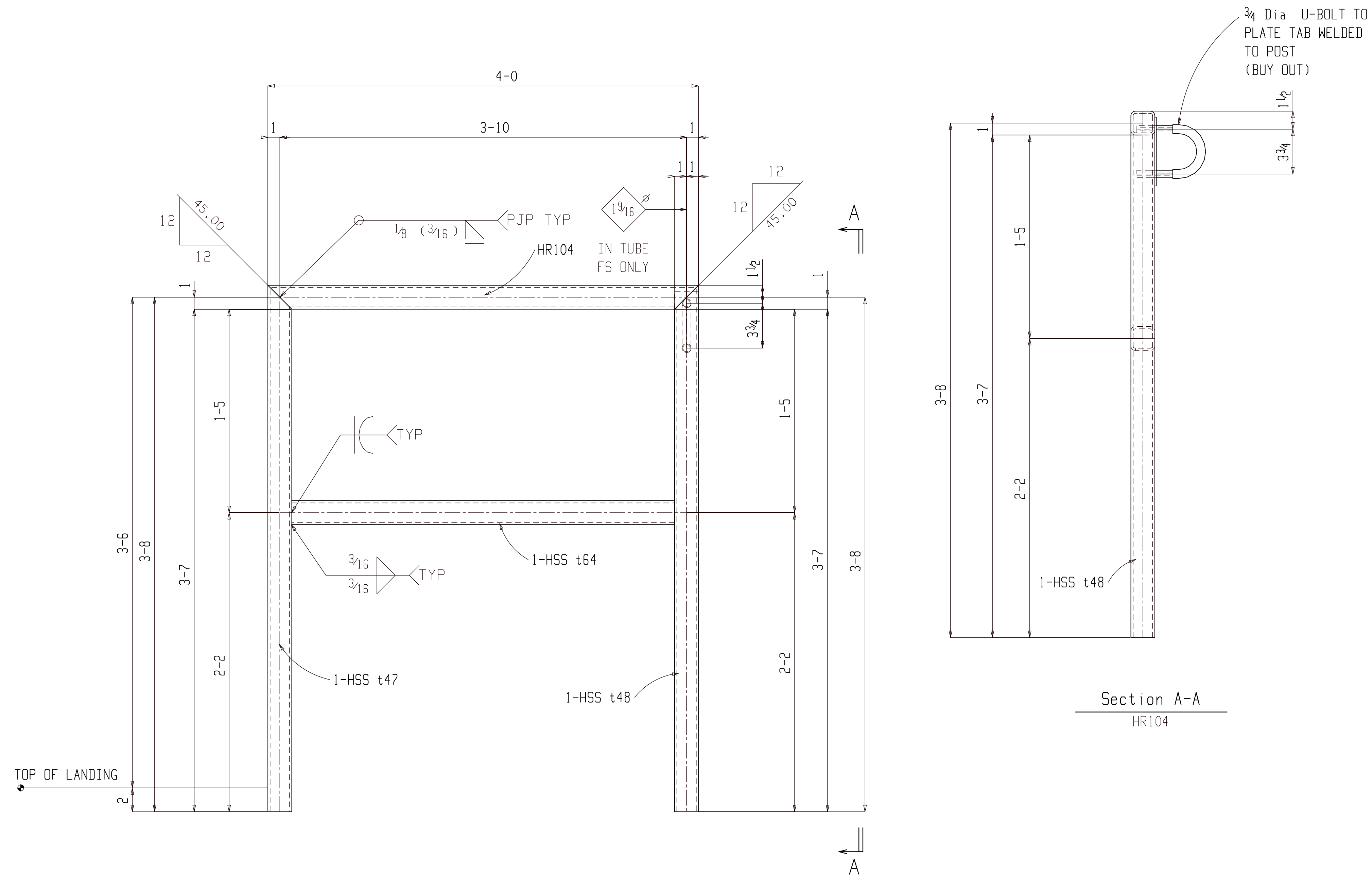
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	HANDRAIL DETAIL	JOB NUMBER:	459	SHEET NO.:	HR103	REV:	△



ONE HANDRAIL HR104

(ASSEMBLY REFER: AS103)

GALVANIZED

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR104		ONE	HANDRAIL		(GALV)		66
	HR104	1	HSS2x2x3/16	4-0		A500B	17
	t64	1	HSS2x2x3/16	3-8		A500B	16
	t48	1	HSS2x2x3/16	3-9		A500B	16
	t47	1	HSS2x2x3/16	3-9		A500B	16
		1	3/4" Dia U-BOLT		(BUY OUT)		

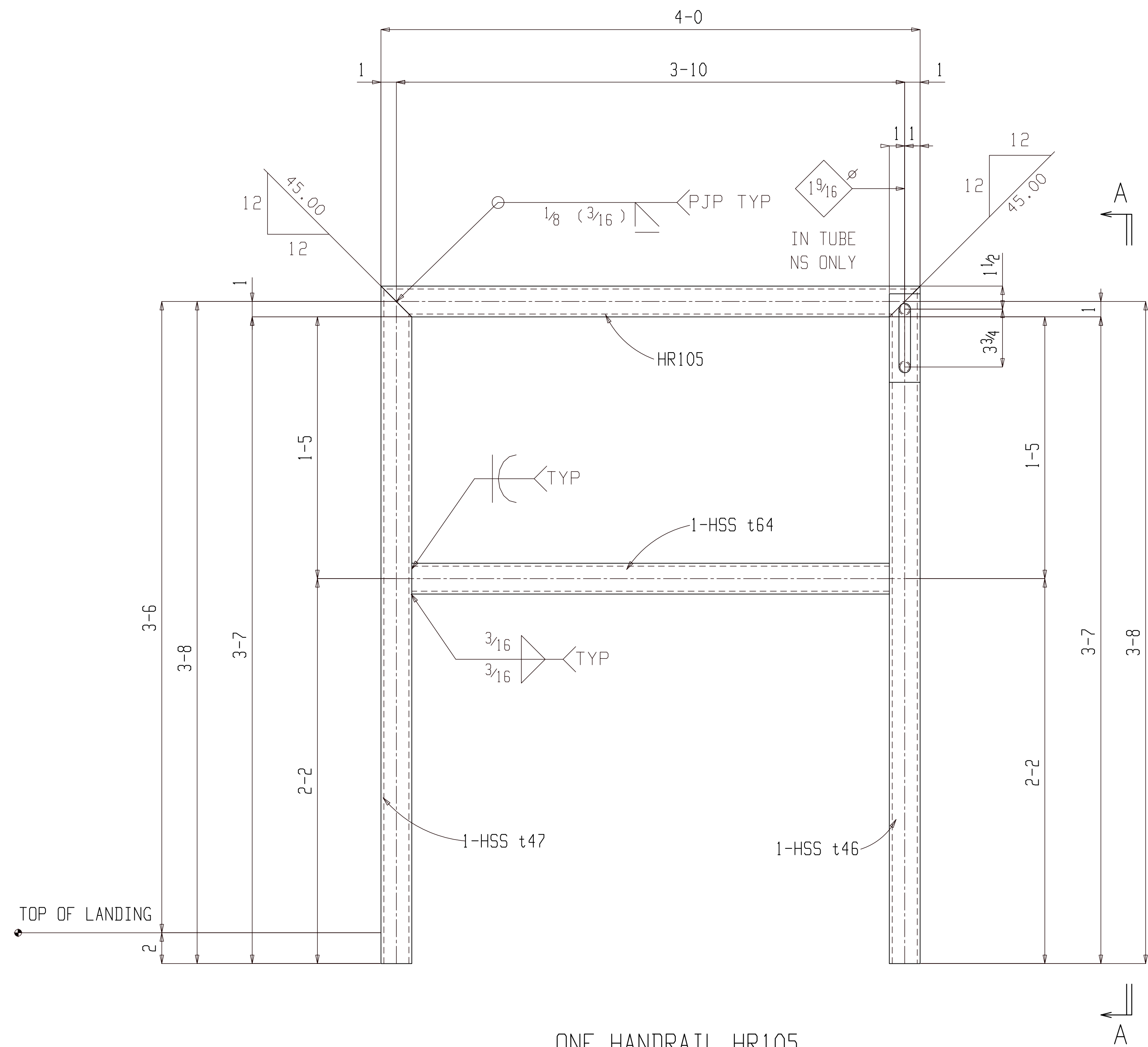
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

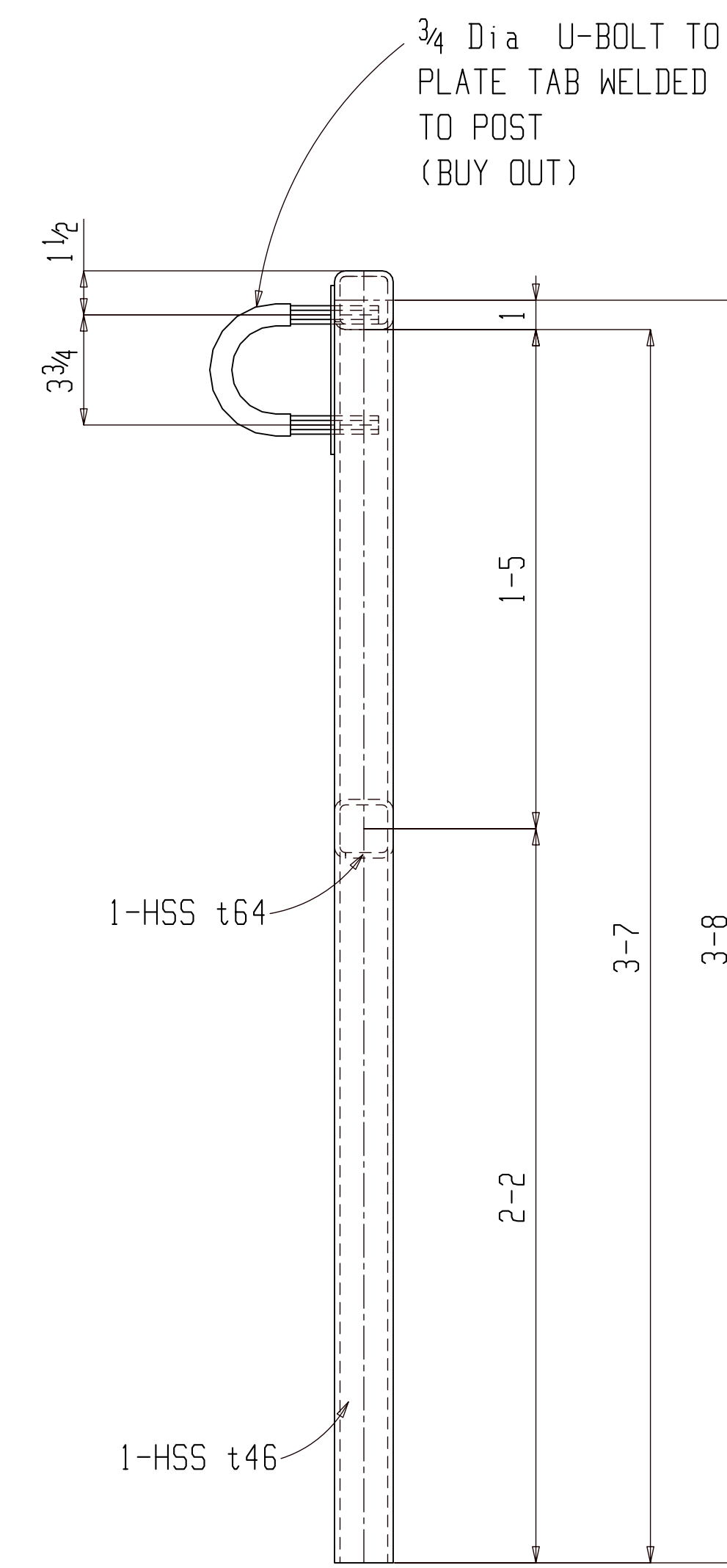
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	HANDRAIL DETAIL	JOB NUMBER:	459	SHEET NO.:	HR104	REV:	△



ONE HANDRAIL HR105

(ASSEMBLY REFER: AS103)

GALVANIZED



Section A-A
HR105

FOR FABRICATION

BILL OF MATERIAL

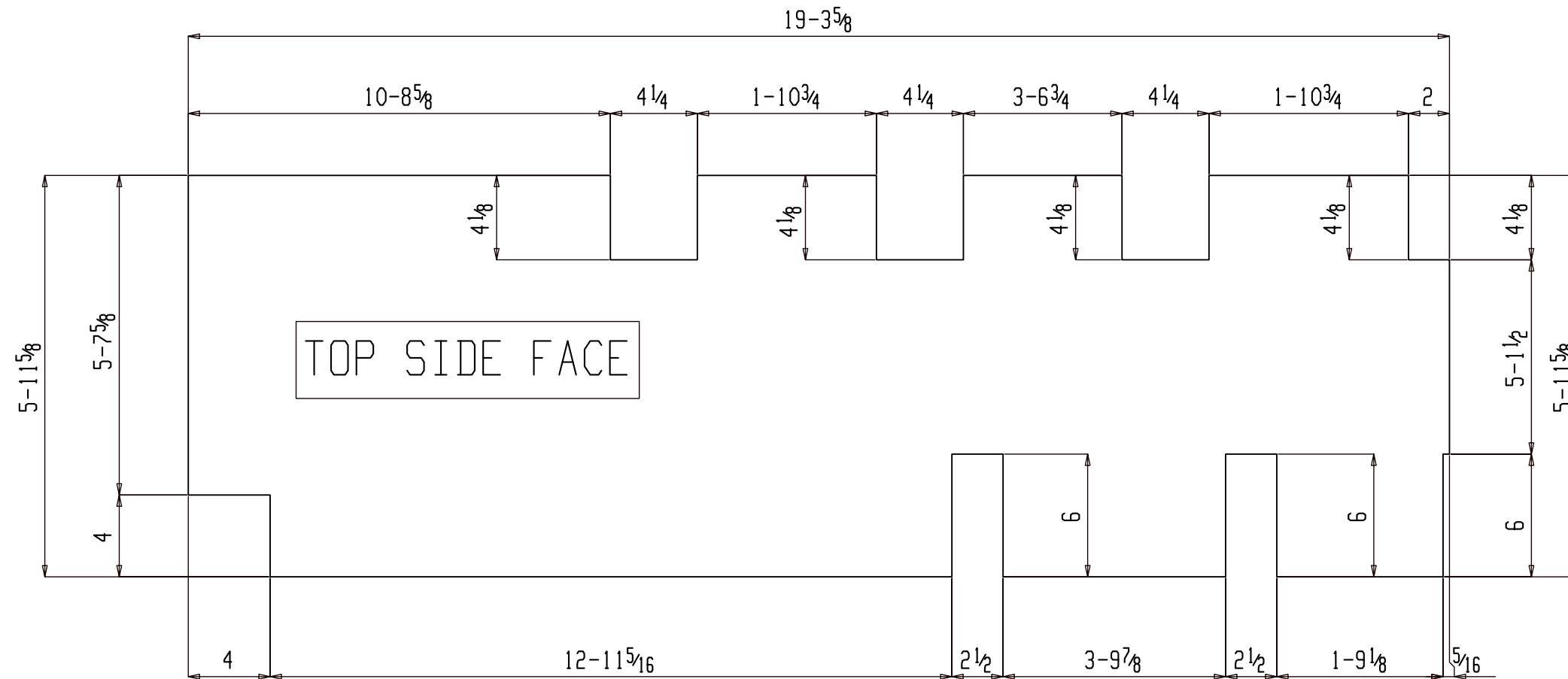
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR105		ONE	HANDRAIL		(GALV)		66
	HR105	1	HSS2x2x3/16	4-0		A500B	17
	t64	1	HSS2x2x3/16	3-8		A500B	16
	t47	1	HSS2x2x3/16	3-9		A500B	16
	t46	1	HSS2x2x3/16	3-9		A500B	16
		1	3/4" Dia U-BOLT		(BUY OUT)		

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	HANDRAIL DETAIL	SHEET NO.:	HR105
		REV	△



TOP SIDE FACE

ONE MISC M101

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

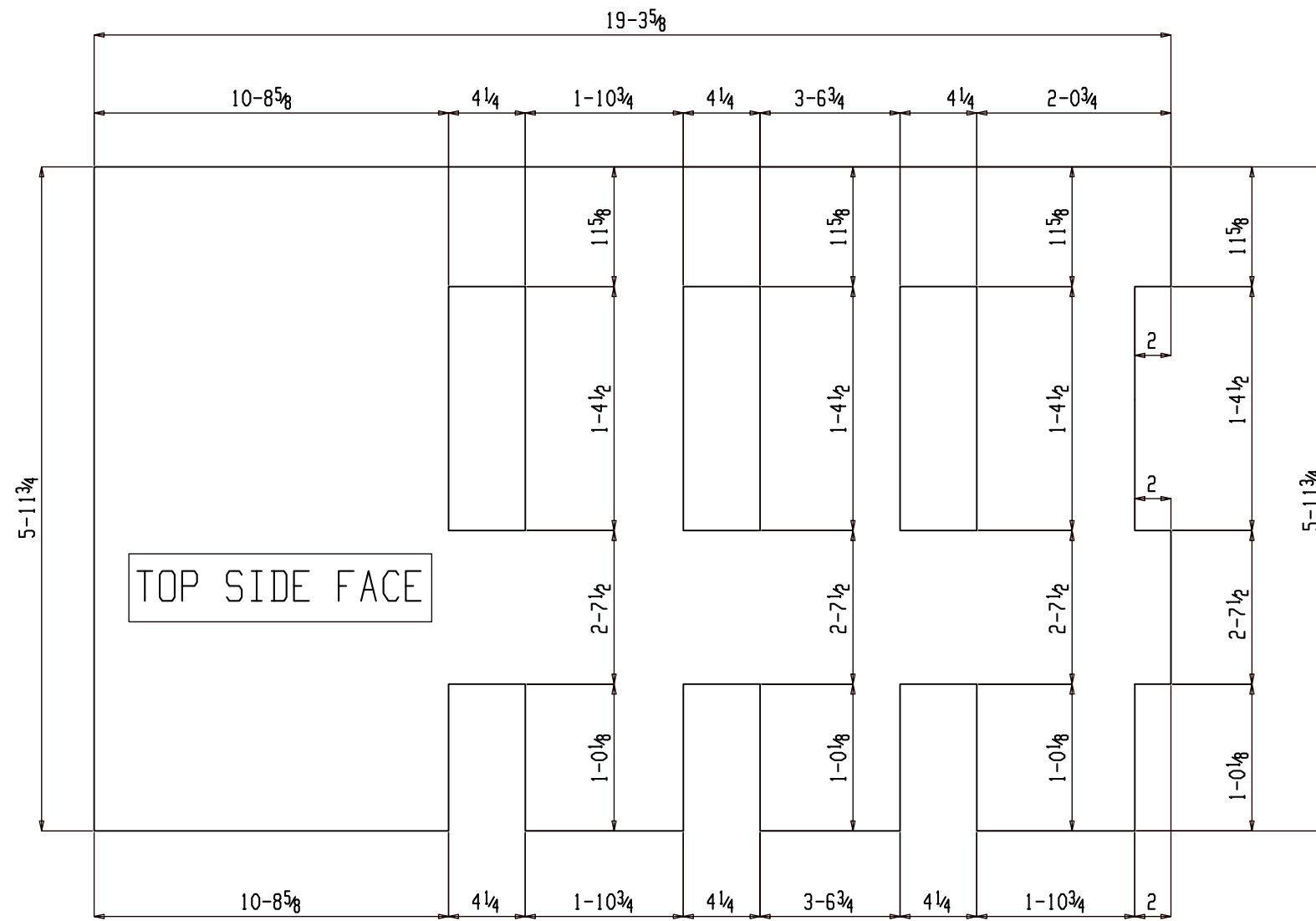
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M101		ONE	MISC				1176
	M101	1	PL 1/4 x 7 1/8	19-3 5/8		A36	1176

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M101	REV	△



TOP SIDE FACE

ONE MISC M102

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

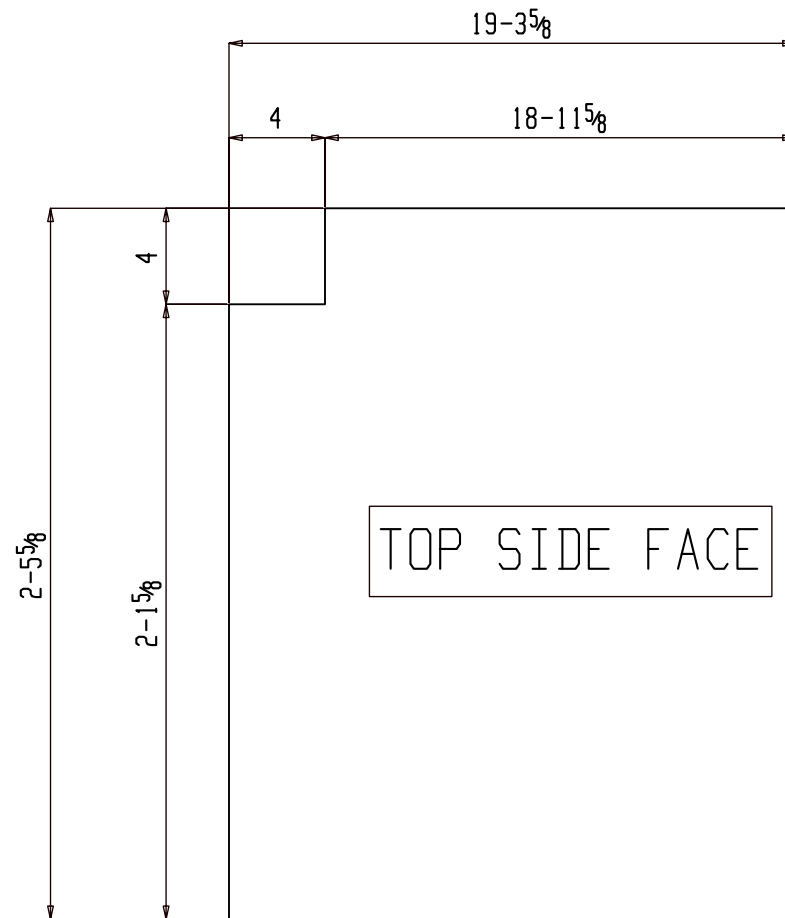
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M102		ONE	MISC				1178
	M102	1	PL 1/4 x 7 1/4	19-35/8		A36	1178

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M102	REV	△



ONE MISC M103

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

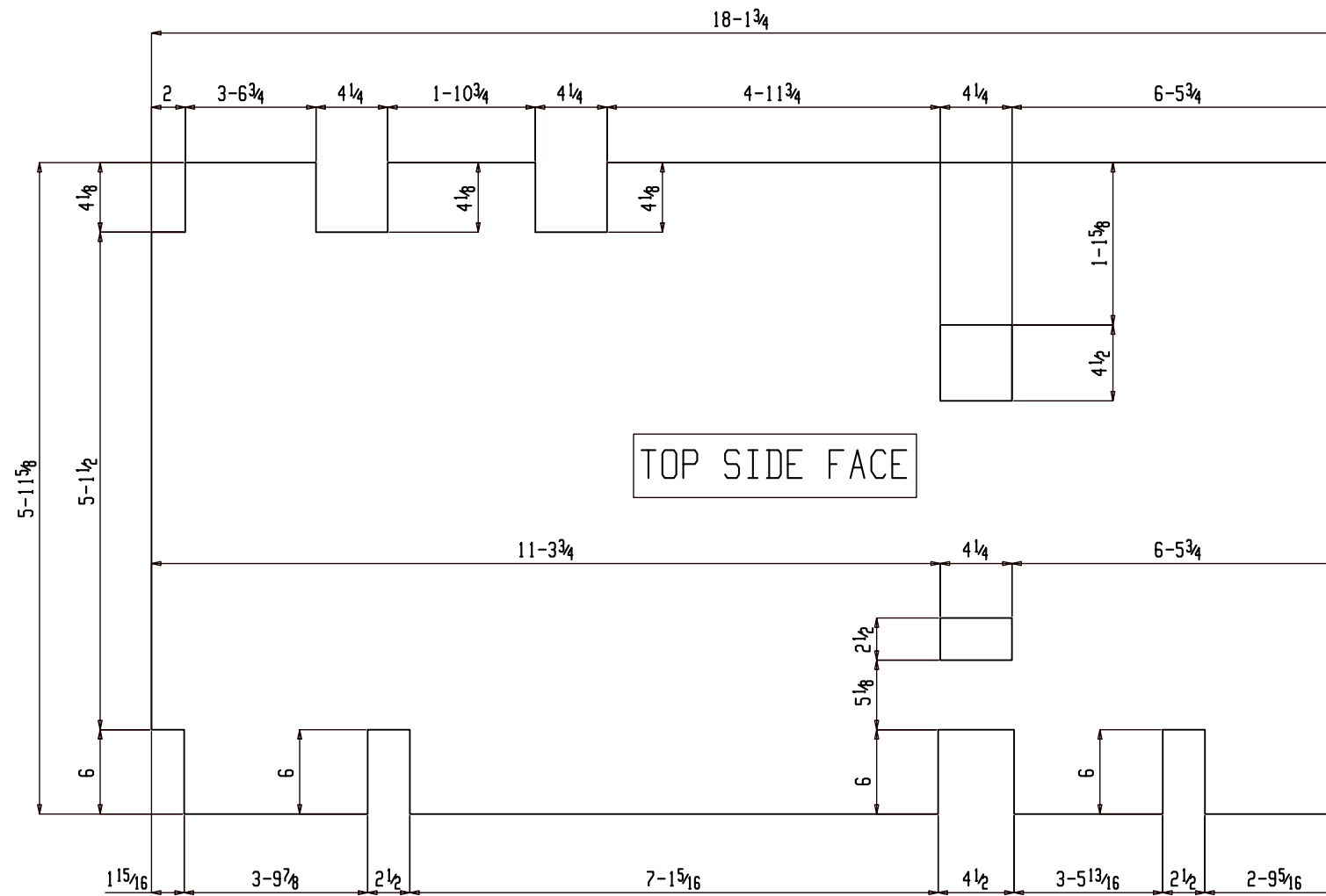
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M103		ONE	MISC				486
	M103	1	PL 1/4x29 5/8	19-3 5/8		A36	486

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M103	REV	△



ONE MISC M104

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

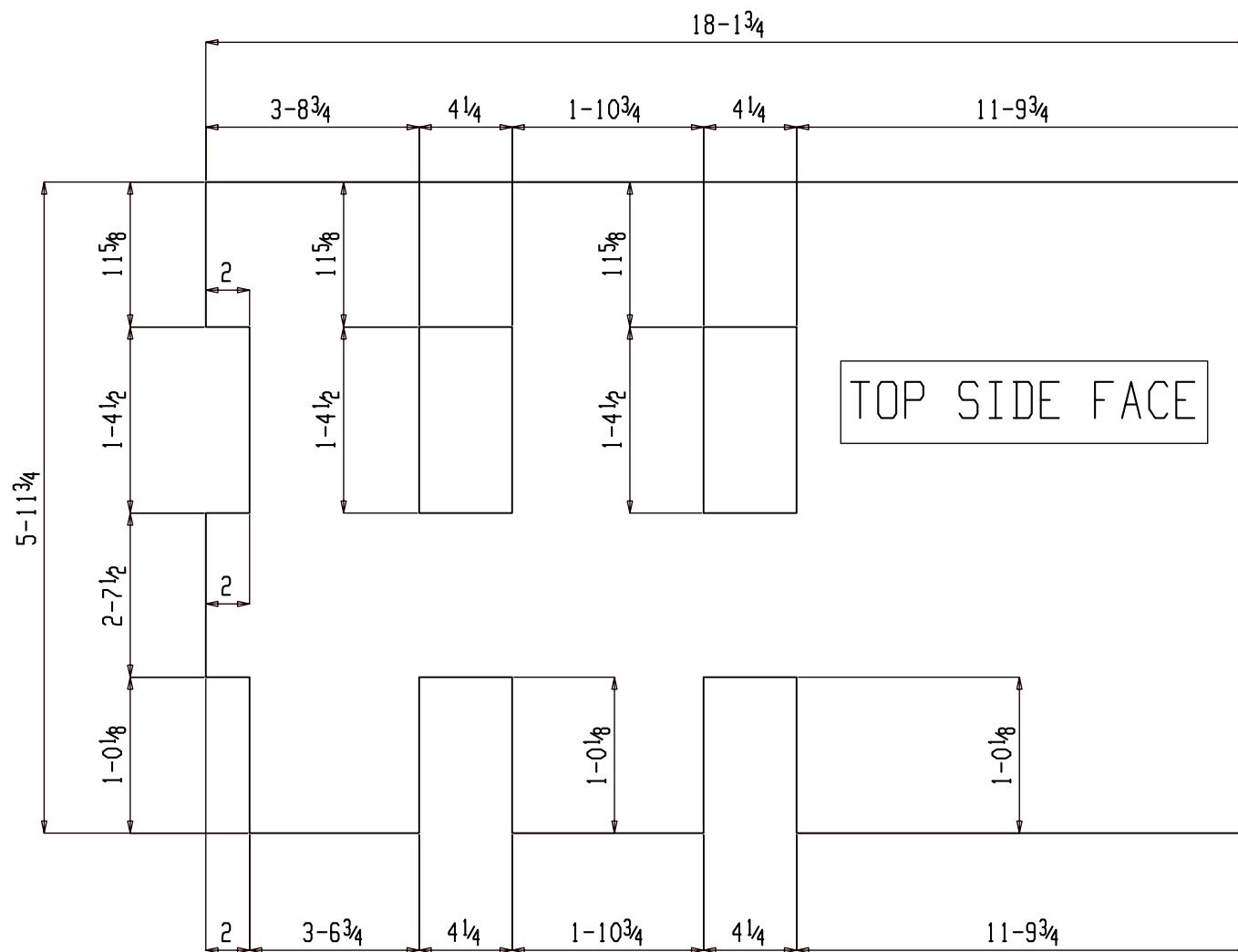
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M104	M104	ONE	MISC				1106
		1	PL 1/4 x 7 15/8	18-1 3/4		A36	1106

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M104	REV	△



ONE MISC M105

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

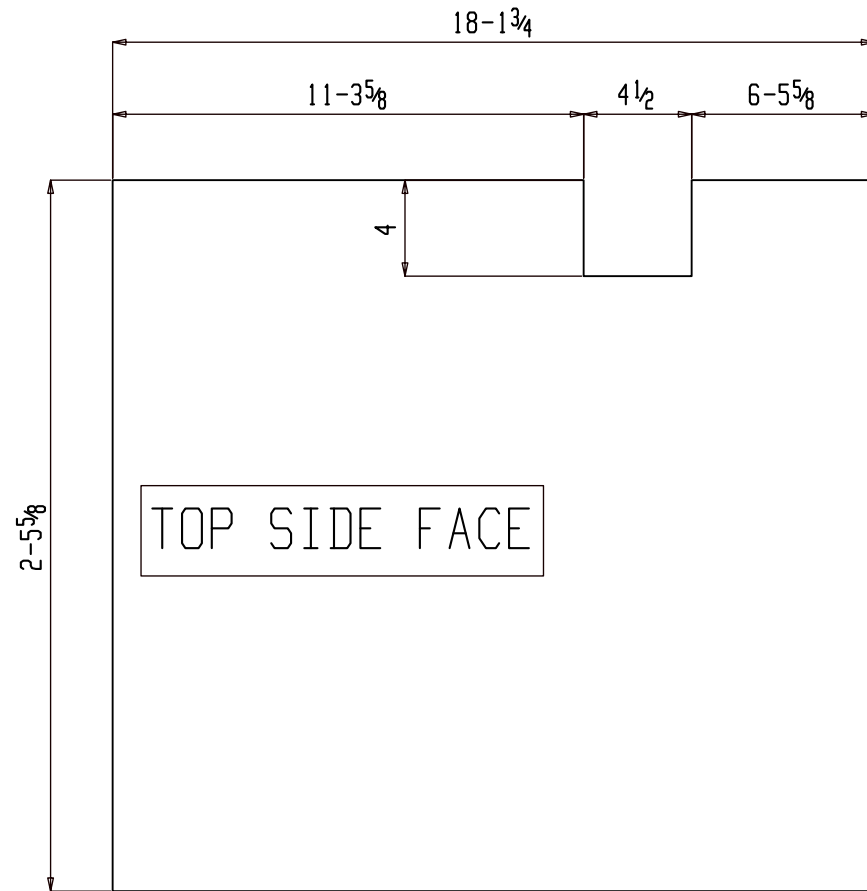
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M105		ONE	MISC				1108
	M105	1	PL 1/4 x 7 1/4	18-1 3/4		A36	1108

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M105	REV	△



ONE MISC M106

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

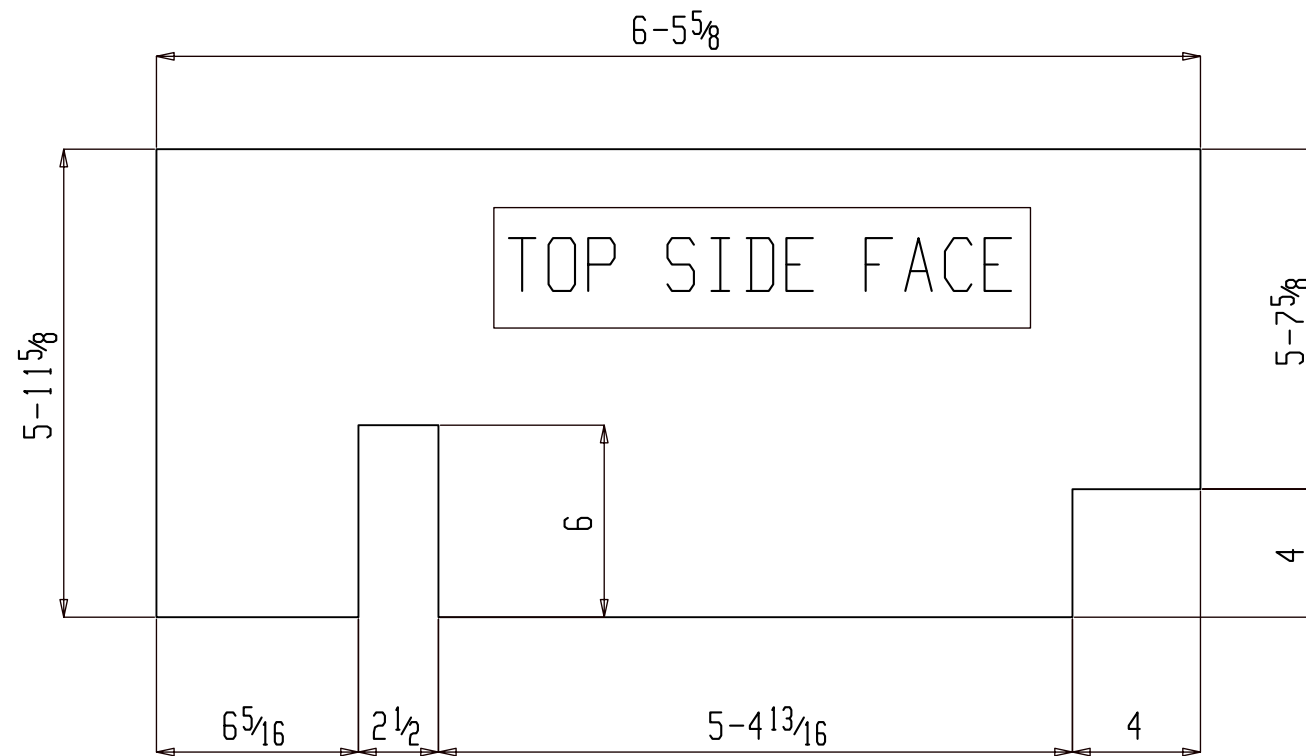
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M106		ONE	MISC				457
	M106	1	PL 1/4x29 5/8	18-1 3/4		A36	457

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER 459	SHEET NO. M106
			REV △



ONE MISC M107

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

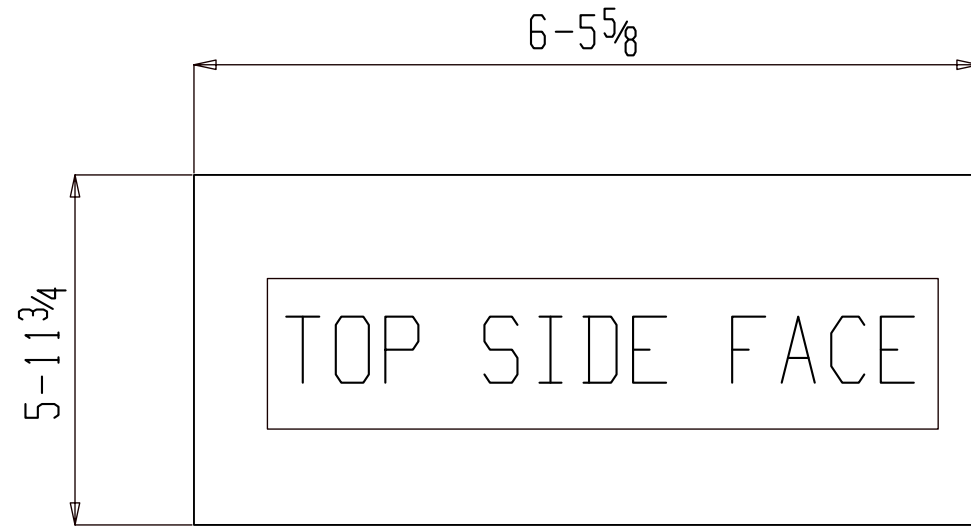
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M107		ONE	MISC				394
	M107	1	PL 1/4 x 7 1/8	6-5/8		A36	394

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REV.	DESCRIPTION	BY	DATE
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M107	REV	△



ONE MISC M108

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

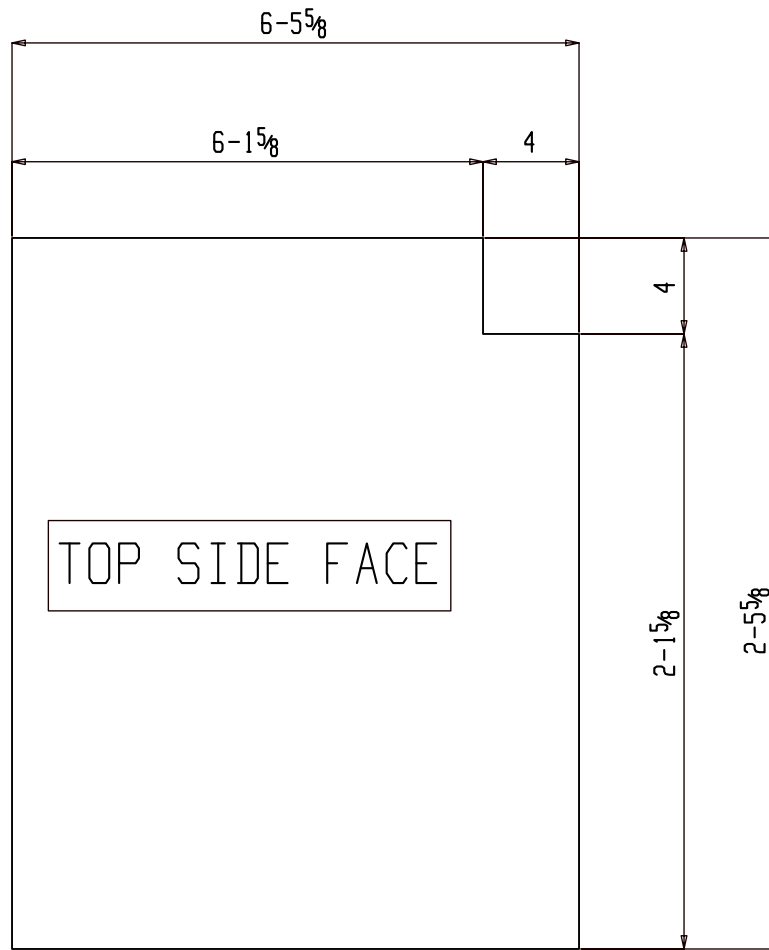
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M108		ONE	MISC				395
	M108	1	PL 1/4 x 7 1/4	6-5 5/8		A36	395

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M108
			REV: △



ONE MISC M109

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

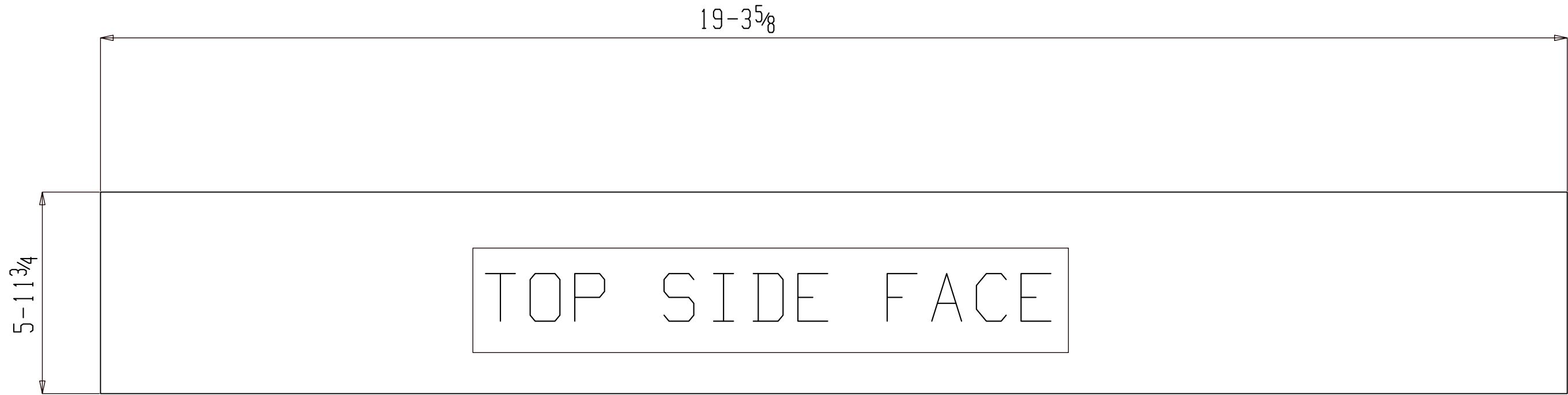
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M109		ONE	MISC				163
	M109	1	PL 1/4x29 5/8	6-5/8		A36	163

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M109	REV	△



ONE MISC M111

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M111		ONE	MISC				352
	M111	1	PL14GAx71 3/4	19-35/8			352

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M111
		REV	△



ONE MISC M112

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M112		ONE	MISC				127
	M112	1	PL14GAx25 ¹⁵ / ₁₆	19-35/8			127

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M112	REV	△



ONE MISC M113

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

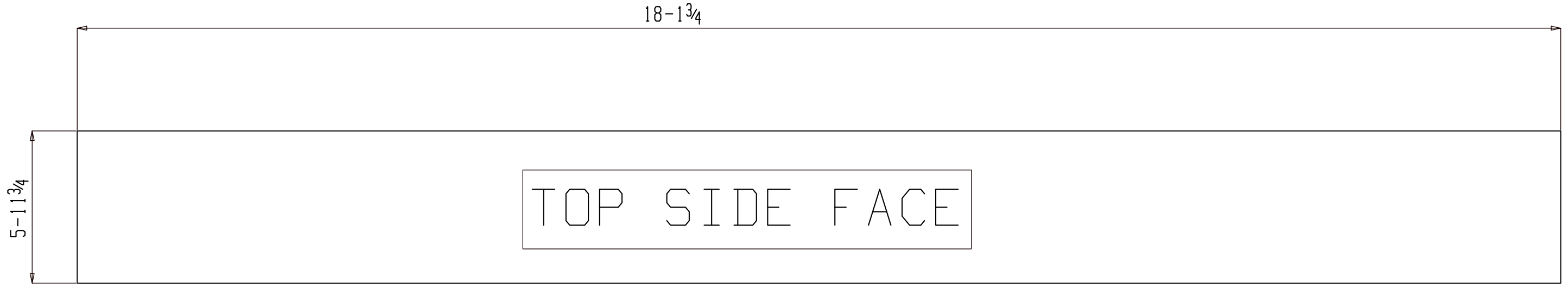
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M113		ONE	MISC				313
	M113	1	PL14GAx67 ¹⁵ / ₁₆	18-1 ³ / ₄			313

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER 459	SHEET NO. M113
			REV △



ONE MISC M114

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M114		ONE	MISC				331
	M114	1	PL14GAx71 ³ / ₄	18-1 ³ / ₄			331

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M114
		REV	△



ONE MISC M115

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M115		ONE	MISC				120
	M115	1	PL14GAx25 ¹⁵ / ₁₆	18-1 ³ / ₄			120

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M115	REV	△



ONE MISC M116

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

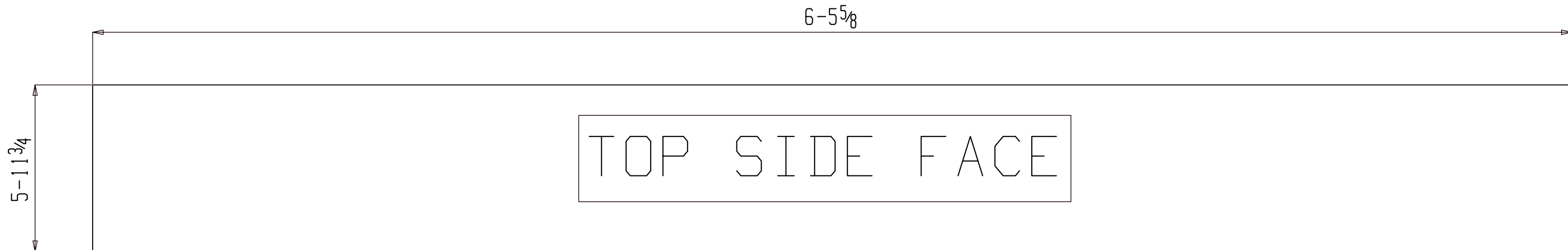
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M116		ONE	MISC				112
	M116	1	PL14GAx67 15/16	6-5 5/8			112

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M116
		REV	△



ONE MISC M117

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M117		ONE	MISC				118
	M117	1	PL14GAx71 3/4	6-5 5/8			118

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M117
			REV △



ONE MISC M118

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

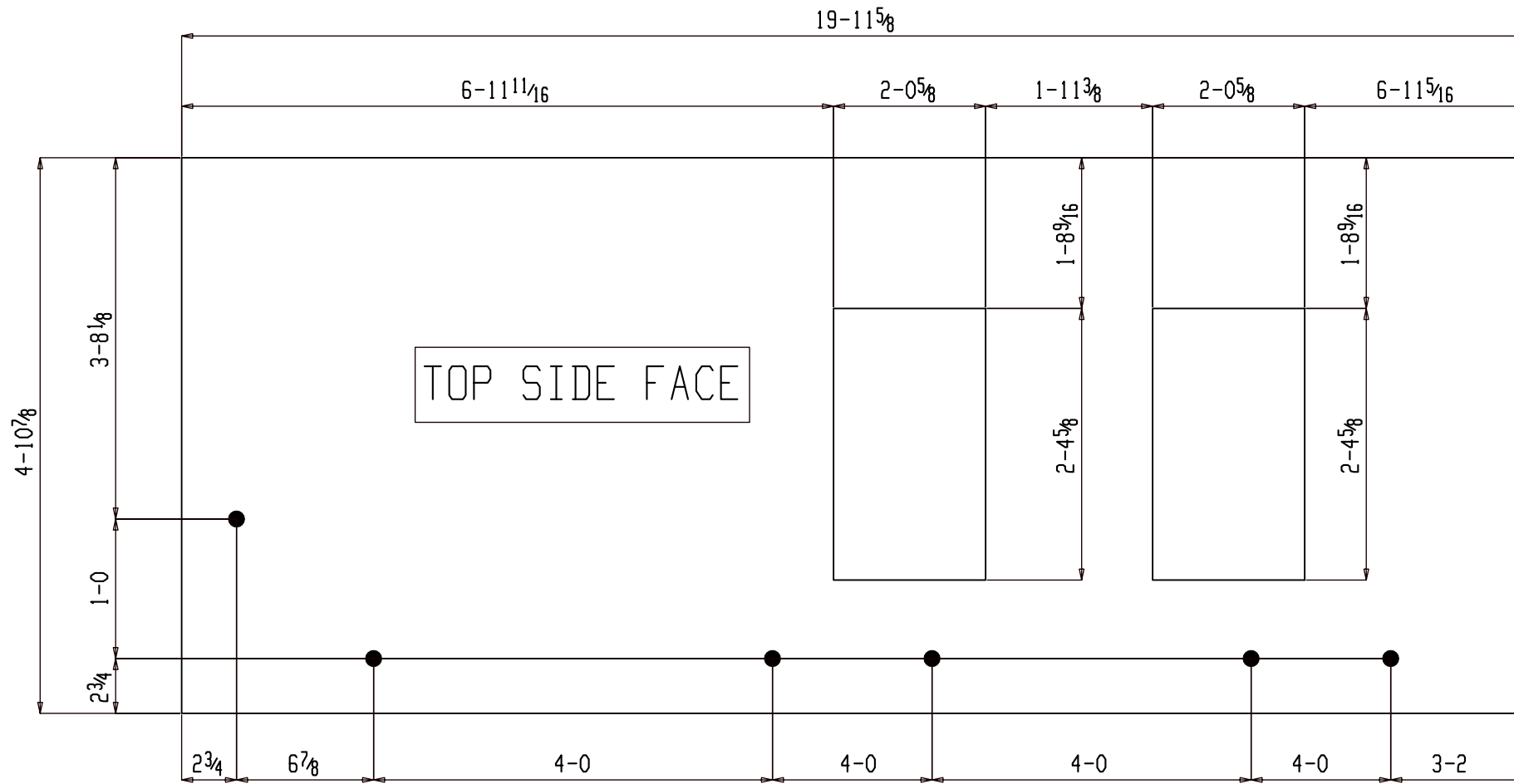
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M118		ONE	MISC				43
	M118	1	PL14GAx25 15/16	6-5/8			43

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-18-22
△	For Re-Approval			ALN	07-04-22
△	For Approval			ALN	06-20-22
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
				CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M118
				REV	△



TOP SIDE FACE

ONE MISC M119

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

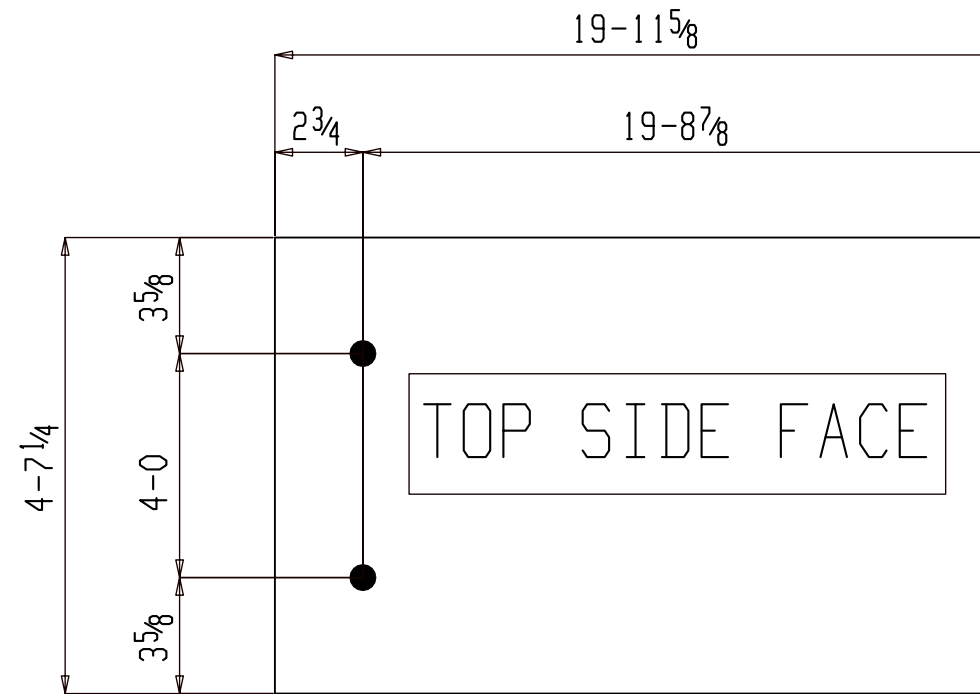
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M119		ONE	MISC				299
	M119	1	PL14GAx58 7/8	19-11 5/8			299

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M119	REV	△



ONE MISC M120

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

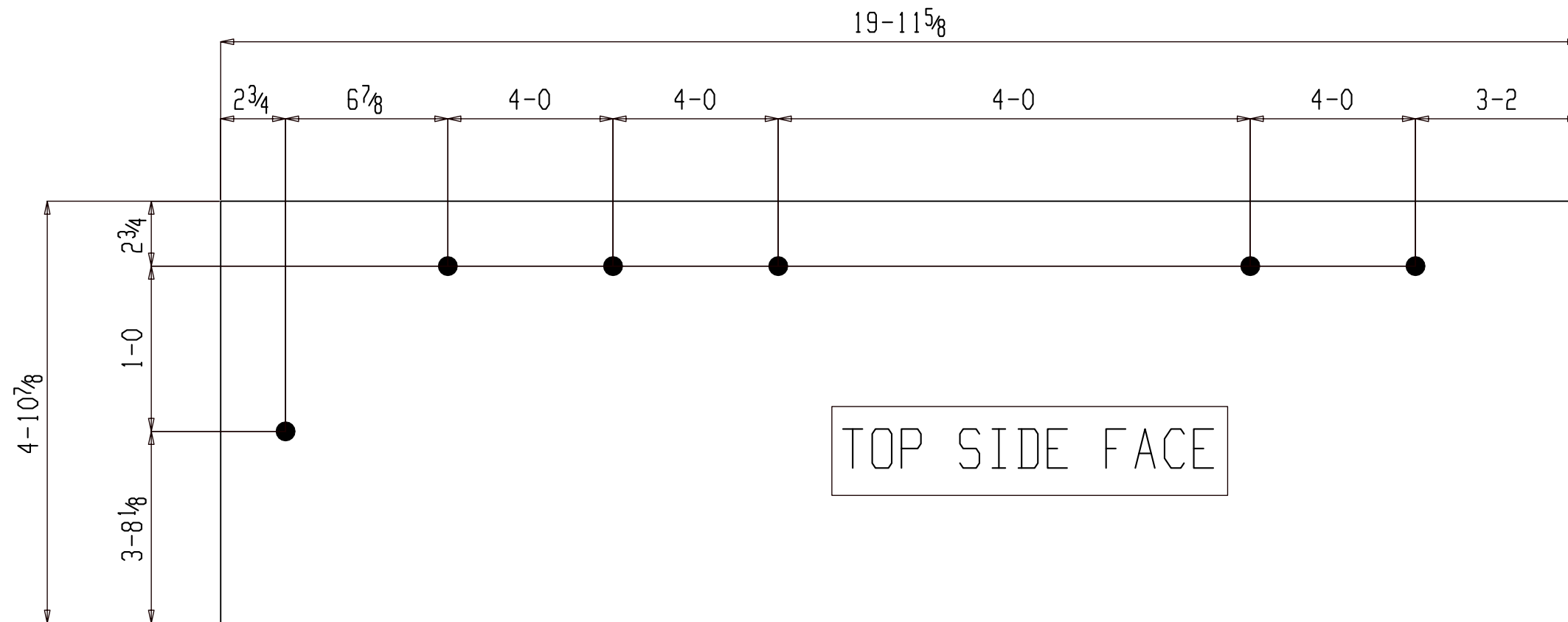
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M120		ONE	MISC				280
	M120	1	PL14GAx55 1/4	19-11 5/8			280

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M120
		REV	△



ONE MISC M121

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

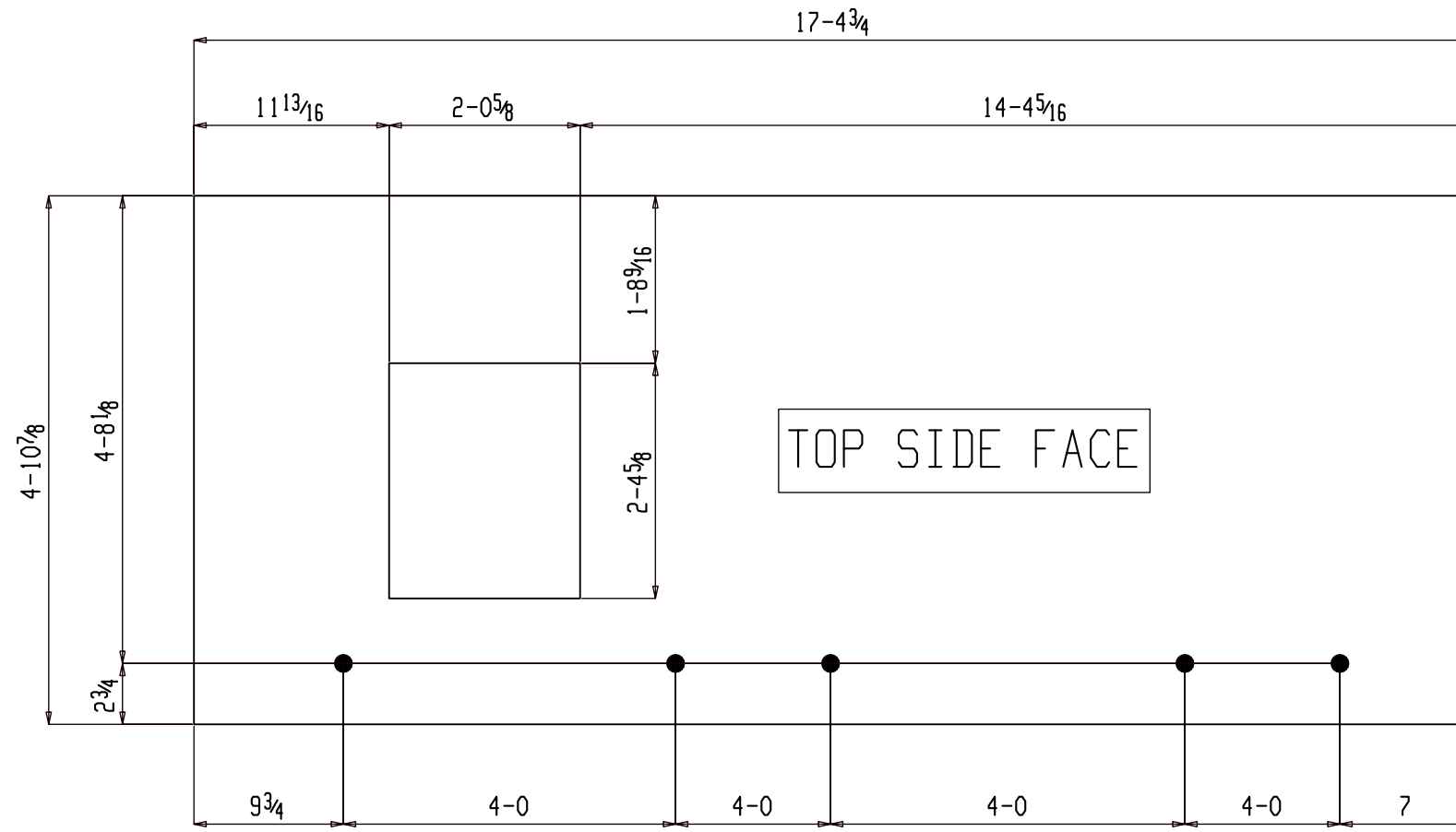
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M121		ONE	MISC				299
	M121	1	PL14GAx58 7/8	19-11 5/8			299

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M121	REV	△



ONE MISC M122

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

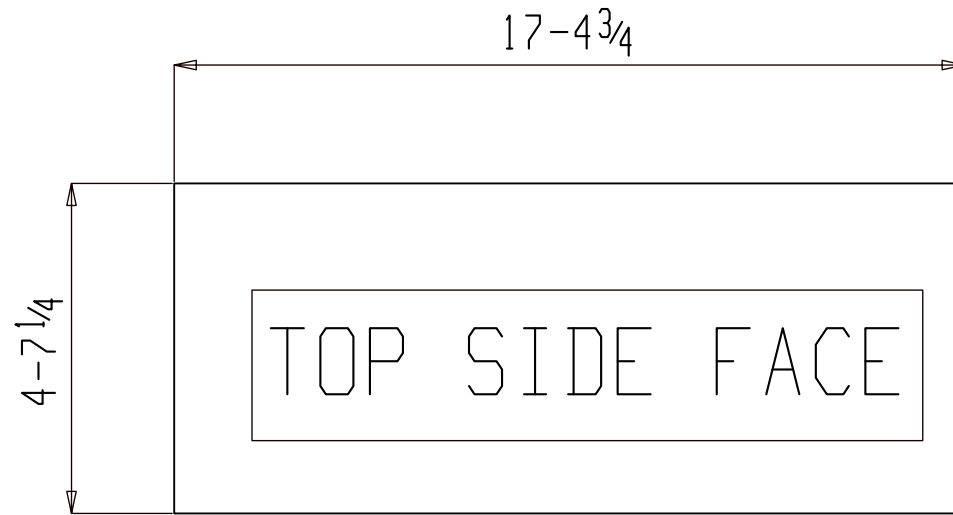
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M122		ONE	MISC				260
	M122	1	PL14GAx58 7/8	17-4 3/4			260

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M122	REV	△



ONE MISC M123

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

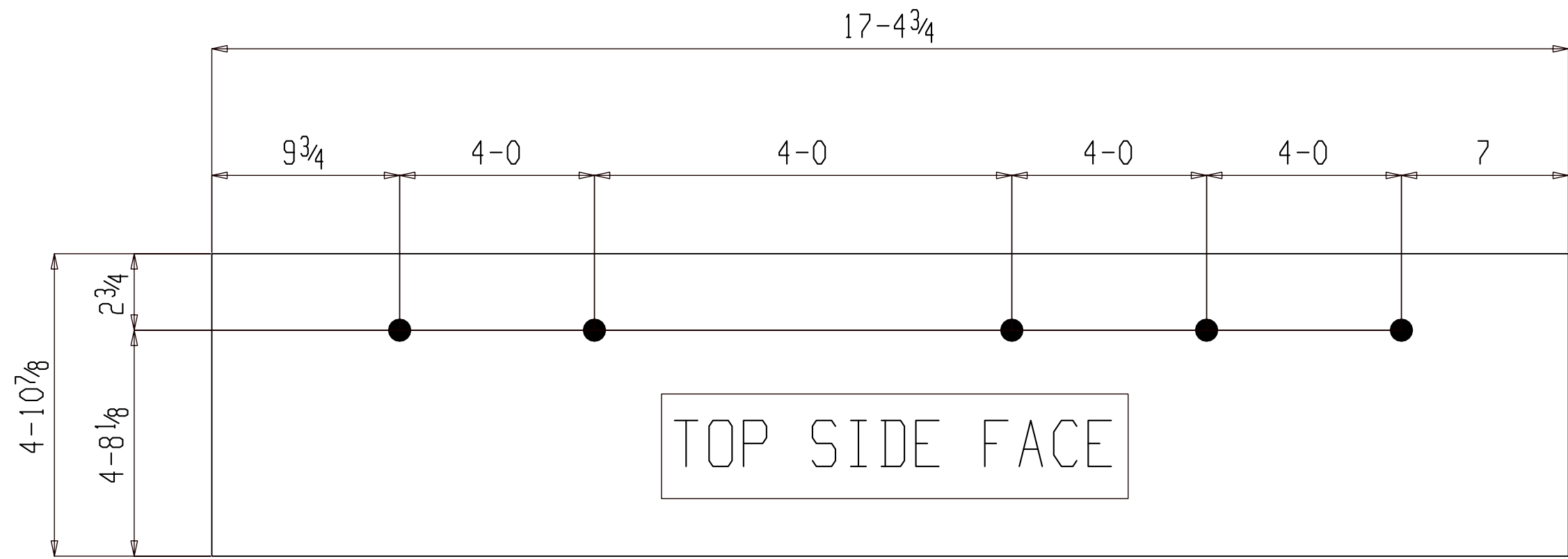
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M123		ONE	MISC				244
	M123	1	PL14GAx55 1/4	17-4 3/4			244

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M123
		REV	△



TOP SIDE FACE

ONE MISC M124

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

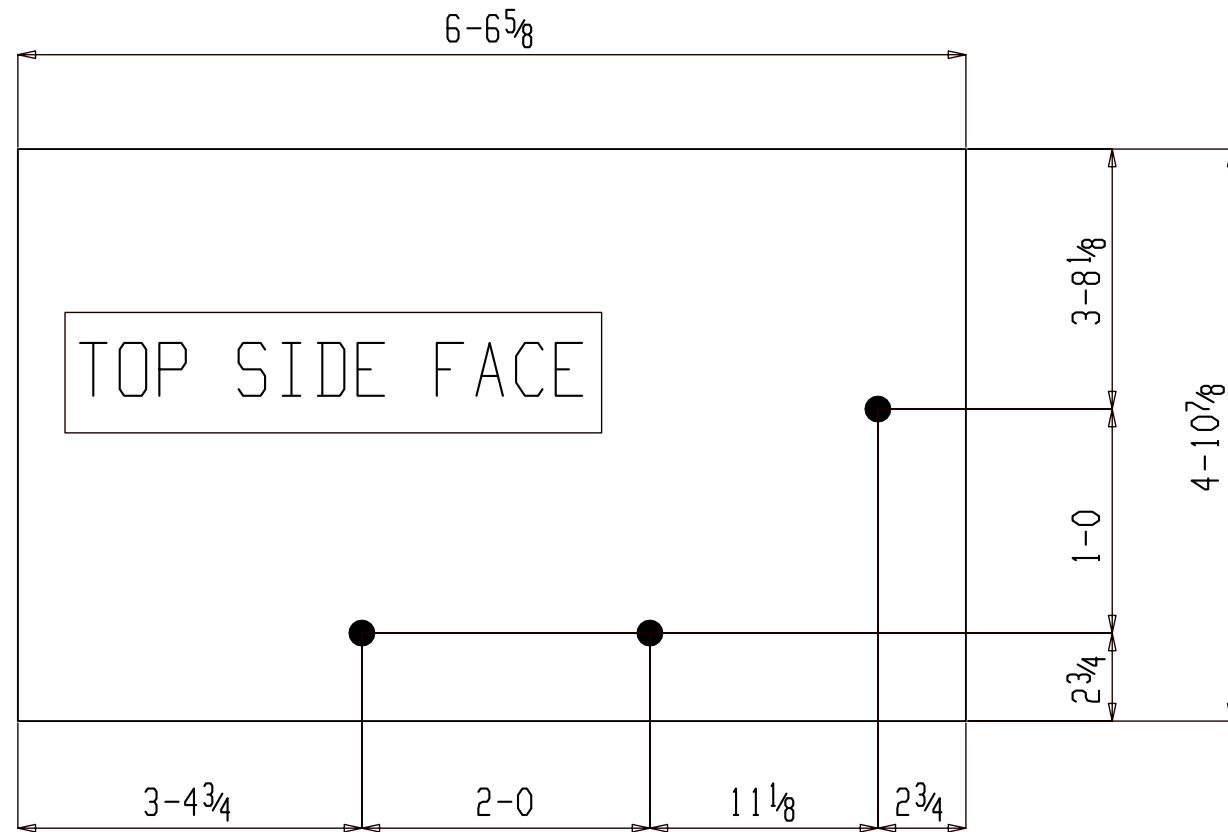
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M124		ONE	MISC				260
	M124	1	PL14GAx58 7/8	17-4 3/4			260

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M124	REV	△



ONE MISC M125

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

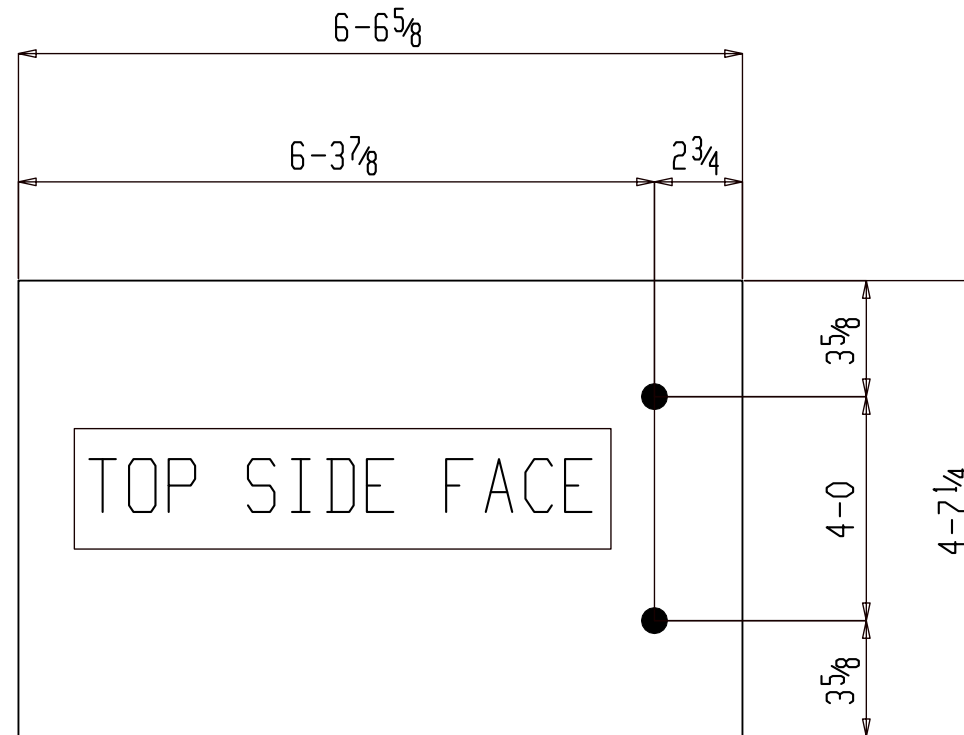
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M125		ONE	MISC				98
	M125	1	PL14GAx58 7/8	6-6 5/8			98

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M125	REV	△



ONE MISC M126

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

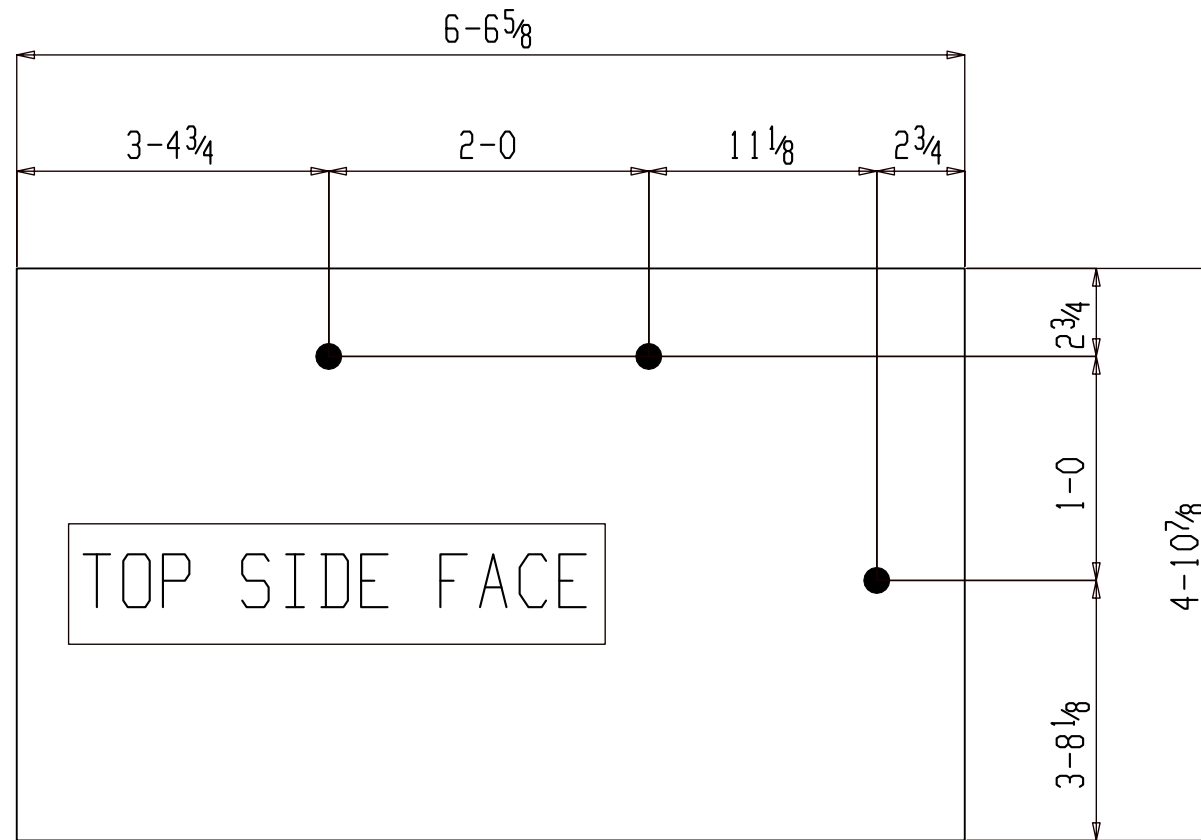
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M126		ONE	MISC				92
	M126	1	PL14GAx55 1/4	6-6 ⁵ / ₈			92

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M126	REV	△



ONE MISC M127

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

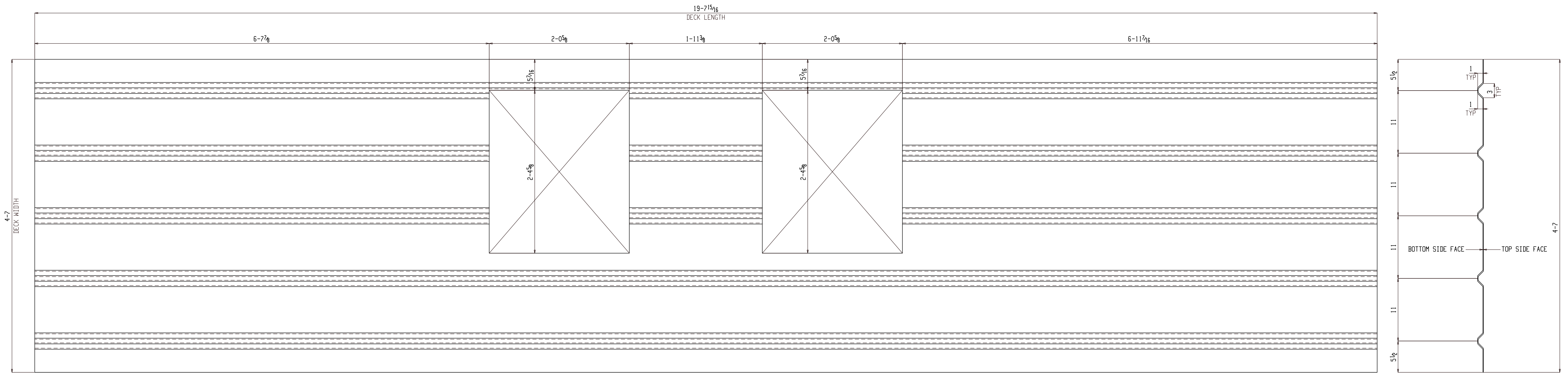
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M127		ONE	MISC				98
	M127	1	PL14GAx58 7/8	6-6 5/8			98

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M127
		REV	△



ONE CORRUGATED PLATE M128

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

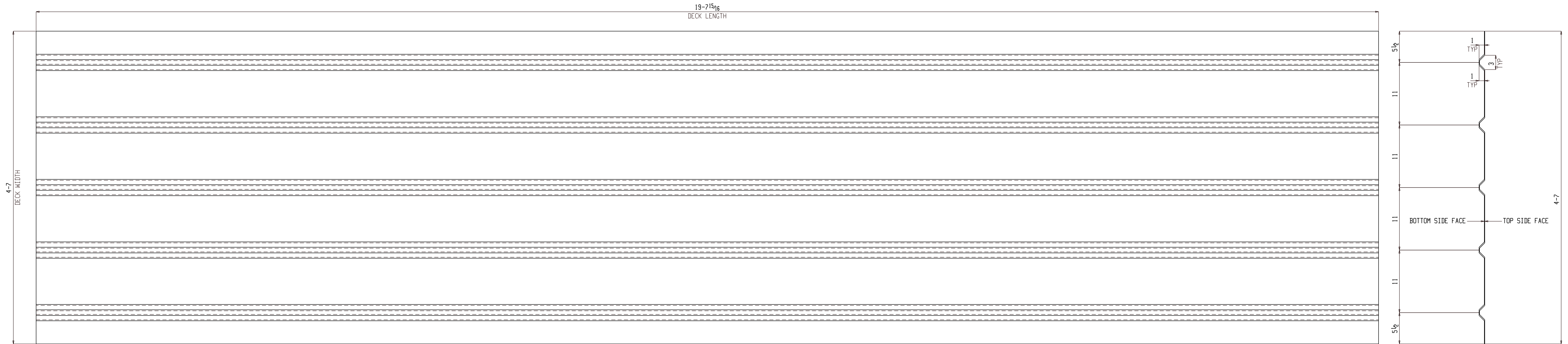
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M128		ONE	CORRUGATED PLATE				275
	M128	1	PL 14GAx55	19-7 ¹⁵ / ₁₆			275

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M128
REV.	△		



2 CORRUGATED PLATES M129

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

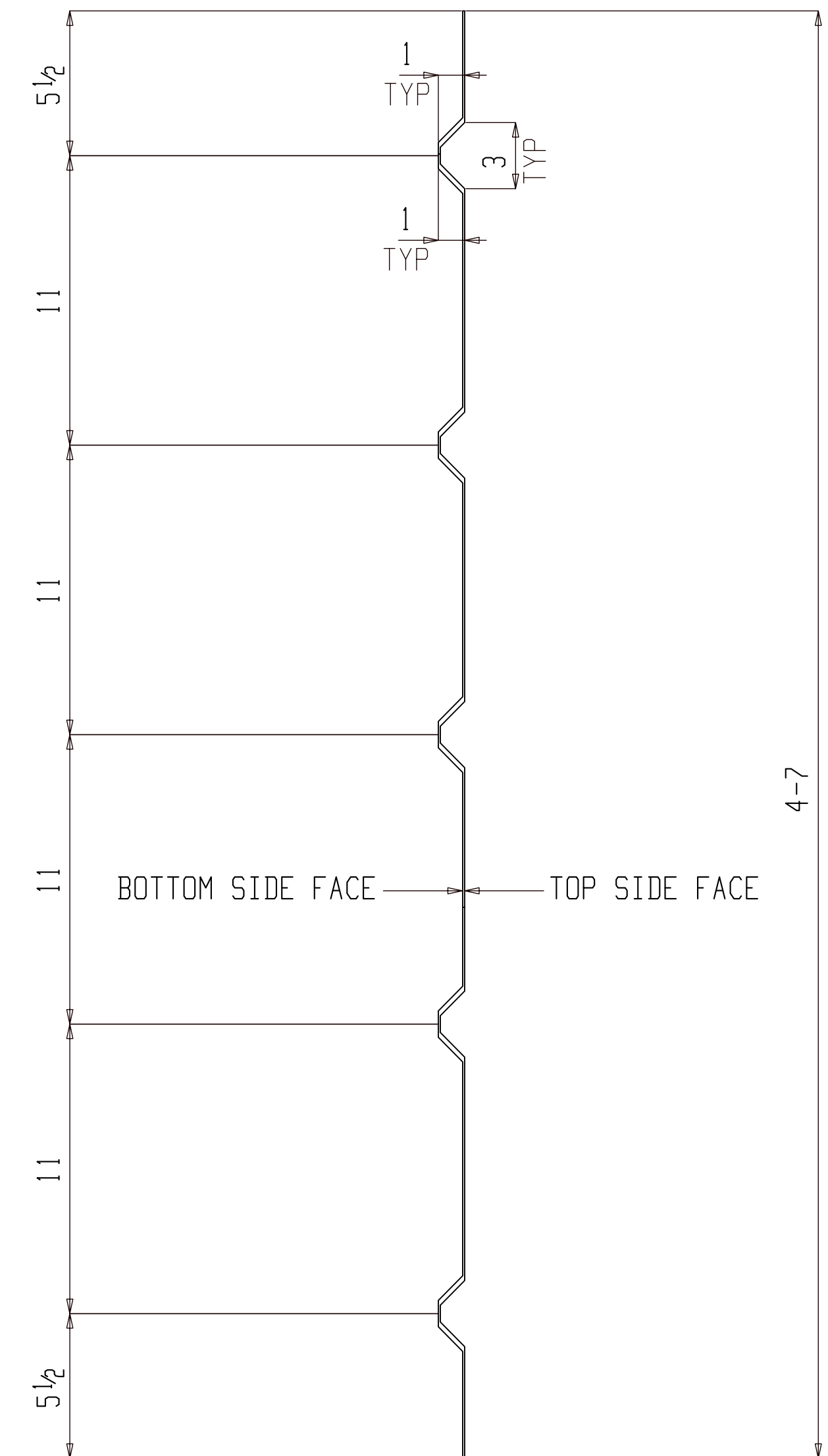
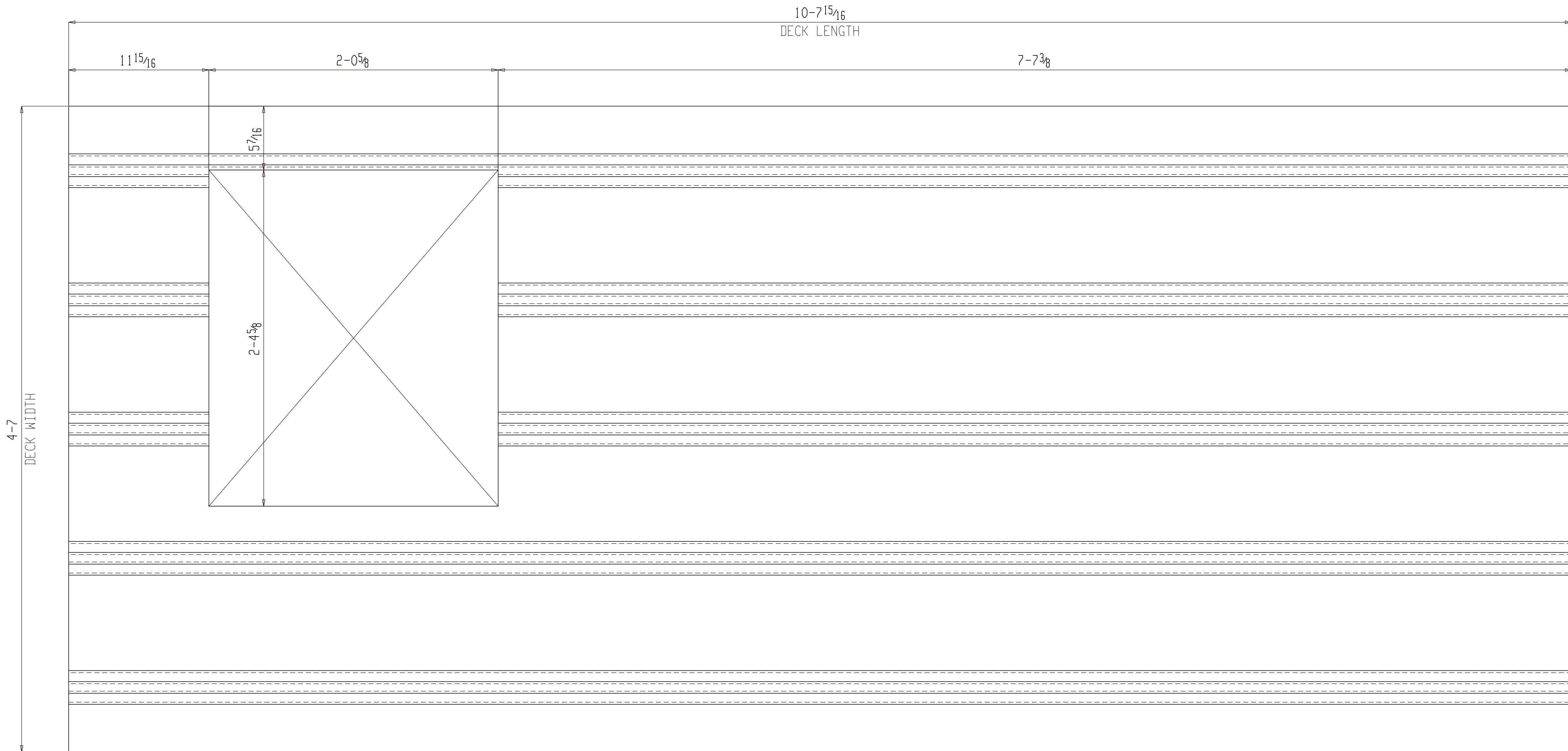
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M129		2	CORRUGATED PLATE				550
	M129	2	PL 14GAx55	19-7 ¹⁵ / ₁₆			550

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M129
REV	△		



ONE CORRUGATED PLATE M130

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

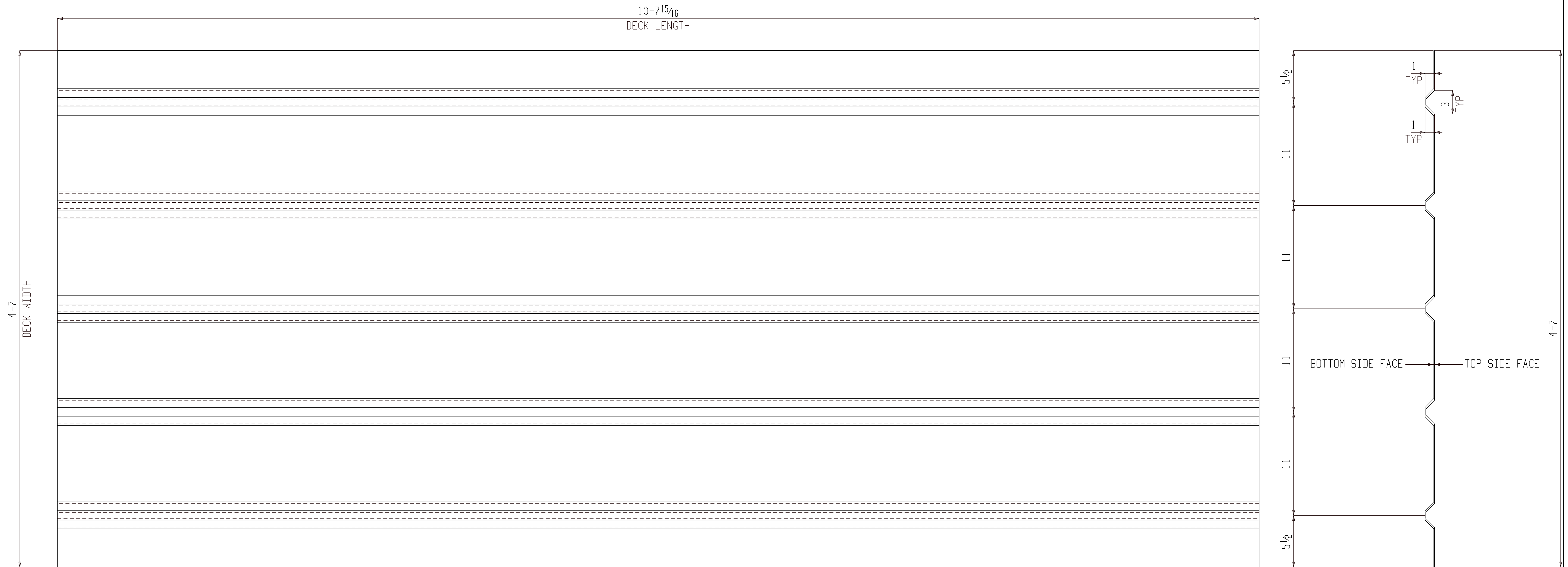
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M130		ONE	CORRUGATED PLATE				149
	M130	1	PL 14GAx55	10-7 ¹⁵ / ₁₆			149

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M130
REV.	△		



2 CORRUGATED PLATES M131

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

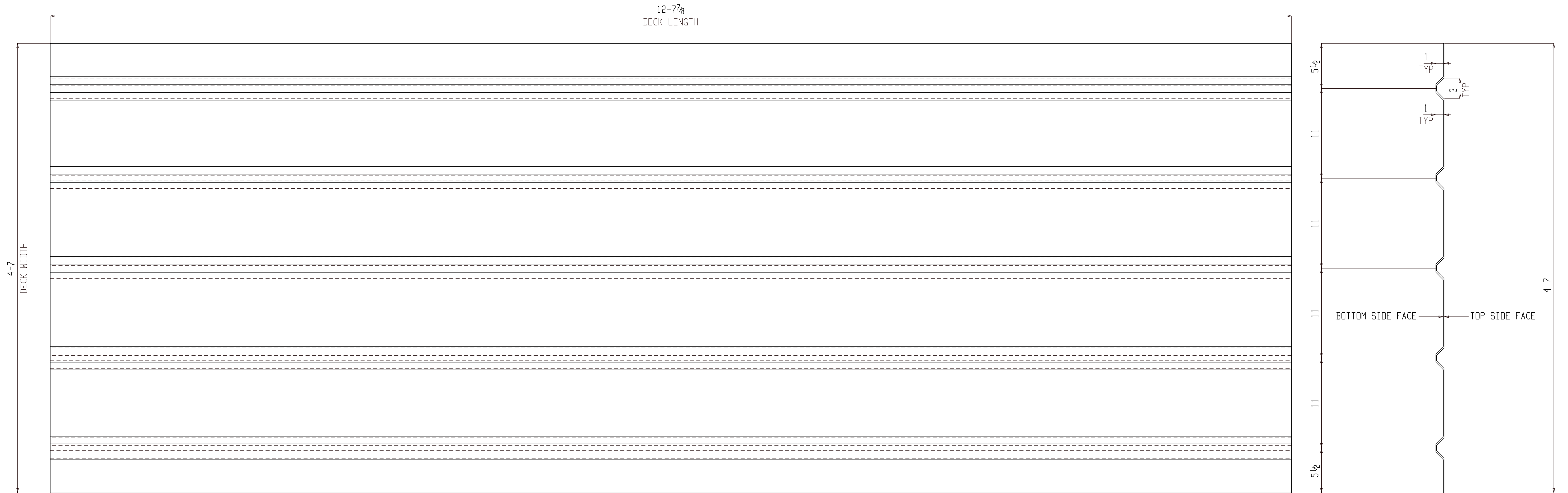
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M131		2	CORRUGATED PLATE				298
	M131	2	PL 14GAx55	10-7 ¹⁵ / ₁₆			298

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	07-18-22	
△	For Re-Approval		ALN	07-04-22	
△	For Approval		ALN	06-20-22	
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M131
		REV	△		



3 CORRUGATED PLATES M132

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

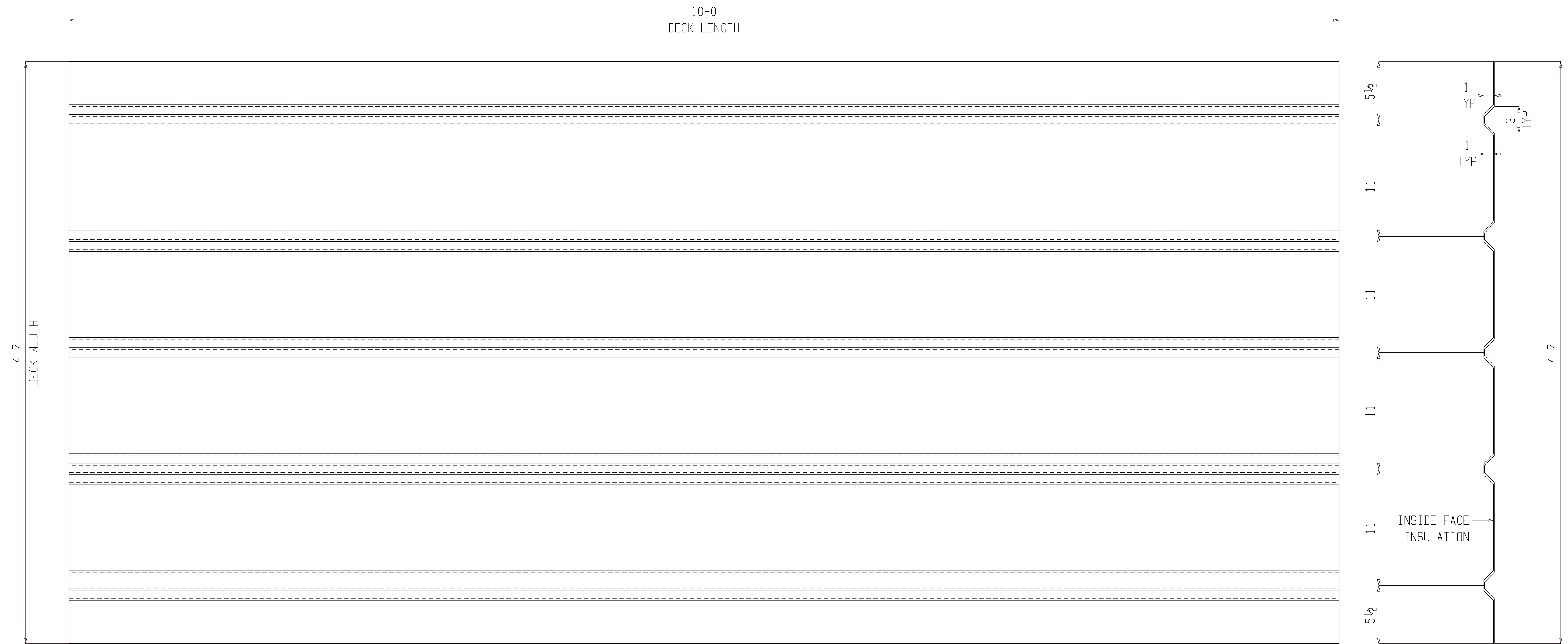
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M132		3	CORRUGATED PLATE				531
	M132	3	PL 14GAx55	12-7/8			531

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M132
REV.	△		



2 CORRUGATED PLATES M133

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

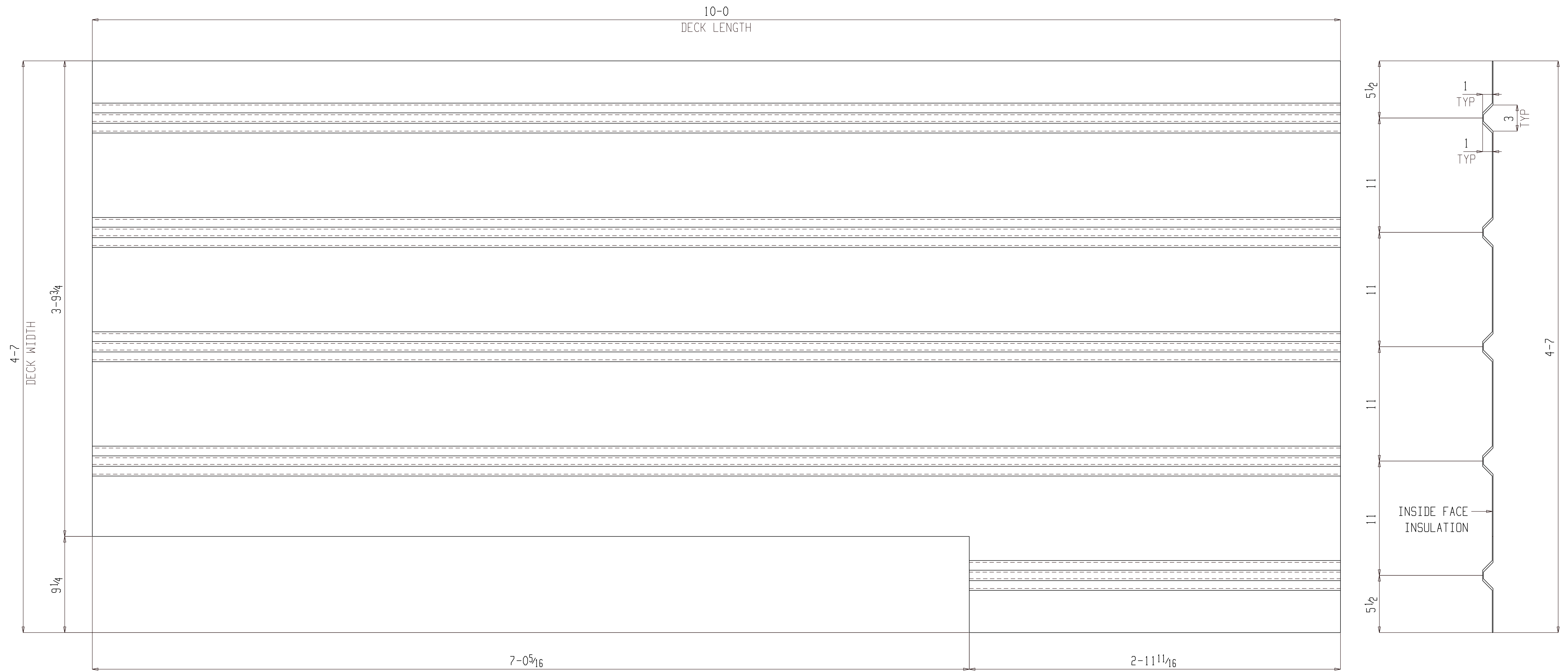
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M133		2	CORRUGATED PLATE				280
	M133	2	PL 14GAx55	10-0			280

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	07-18-22		
△	For Re-Approval	ALN	07-04-22		
△	For Approval	ALN	06-20-22		
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M133
		REV			



ONE CORRUGATED PLATE M134

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M134		ONE	CORRUGATED PLATE				140
	M134	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

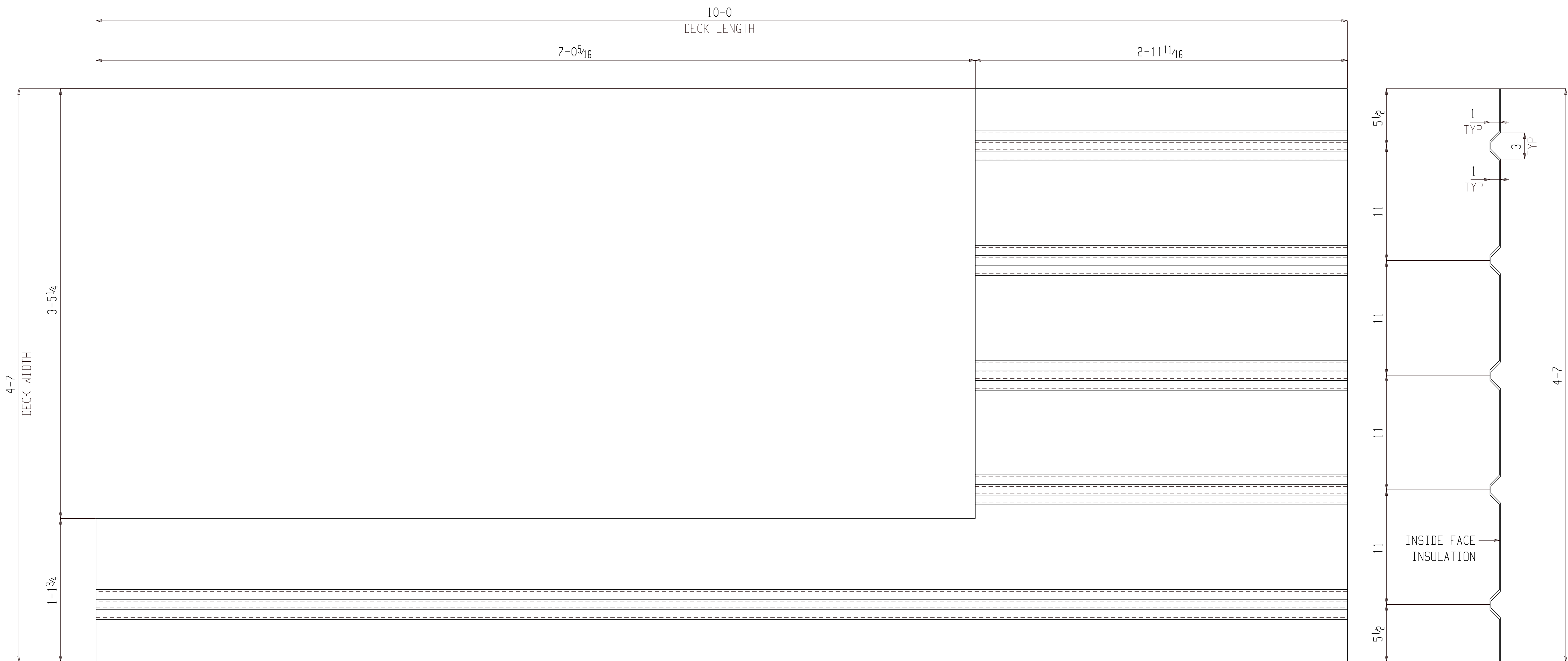
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: MISC. DETAIL JOB NUMBER: 459 SHEET NO.: M134 REV: △



ONE CORRUGATED PLATE M135

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M135		ONE	CORRUGATED PLATE				140
	M135	1	PL 14GAx55	10-0			140

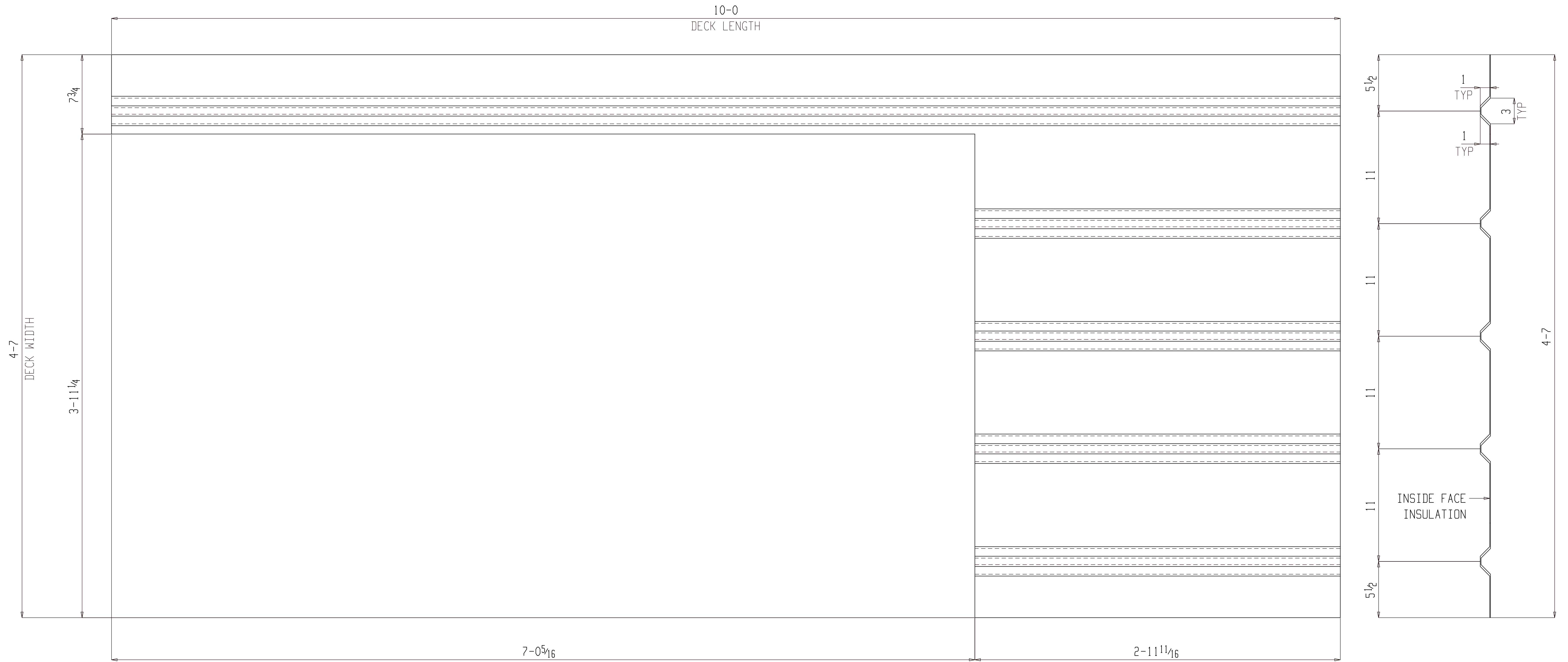
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
△	For Fabrication
△	For Re-Approval
△	For Approval
REV.	DESCRIPTION
	ALN 07-18-22
	ALN 07-04-22
	ALN 06-20-22
	BY DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M135	REV	△



ONE CORRUGATED PLATE M136

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

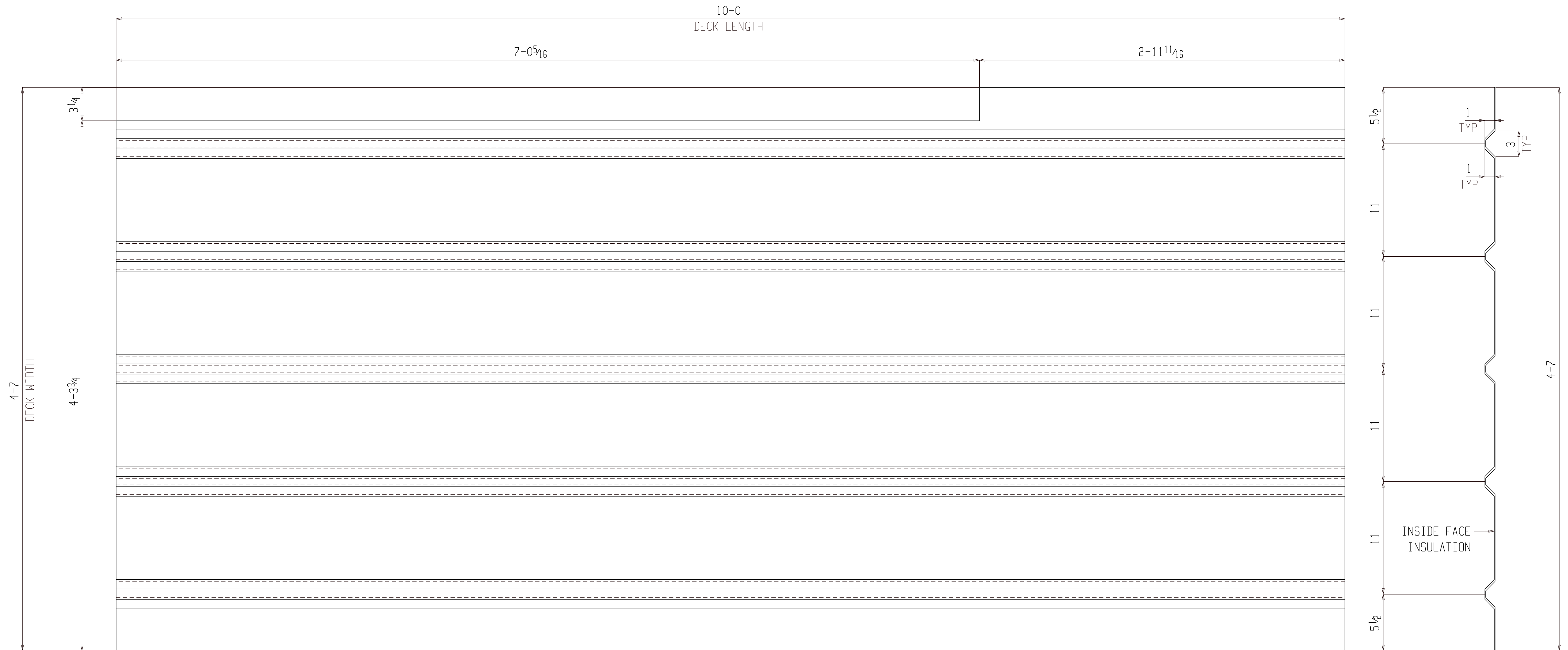
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M136		ONE	CORRUGATED PLATE				140
	M136	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M136
REV.	△		



ONE CORRUGATED PLATE M137

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

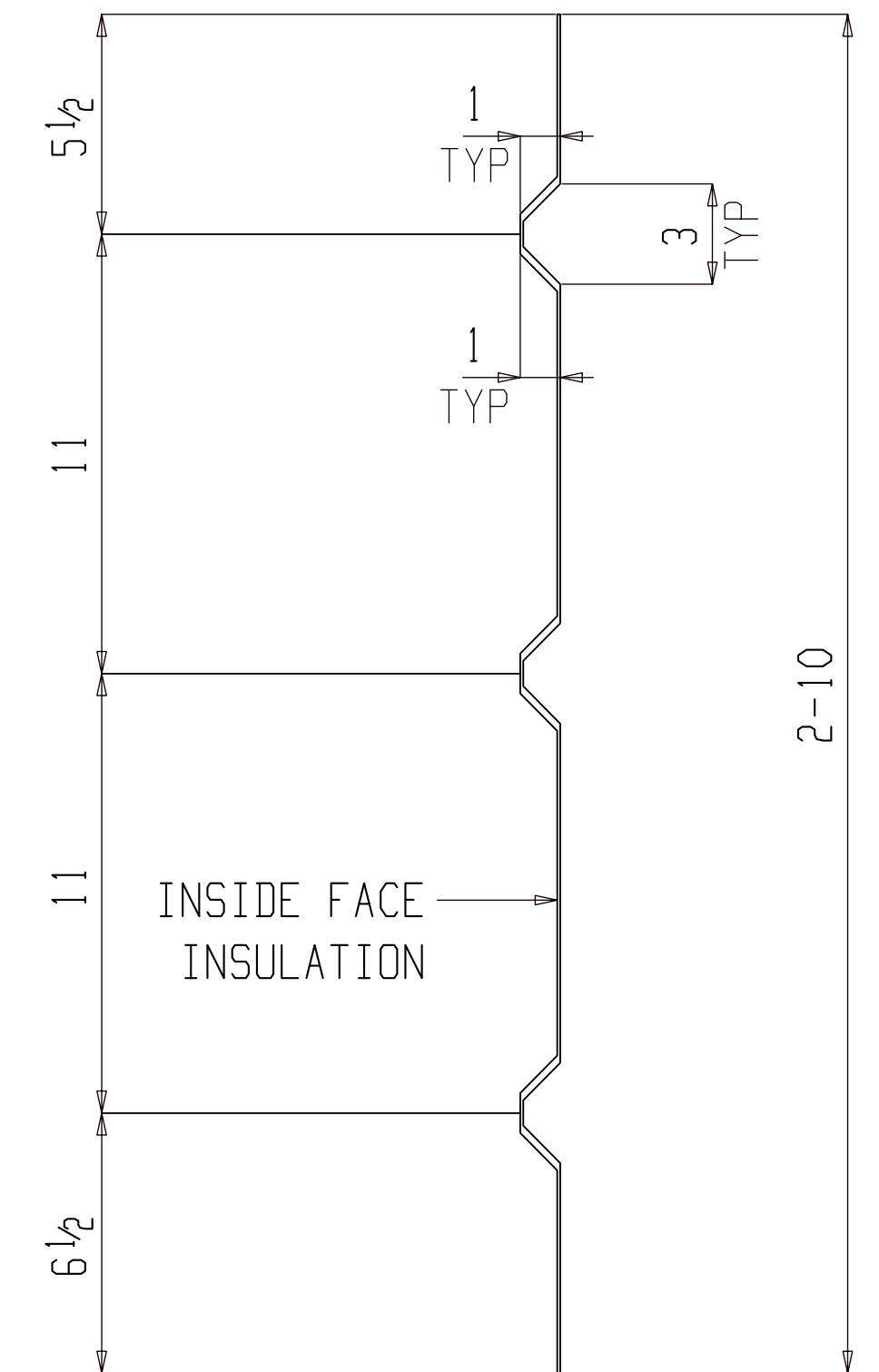
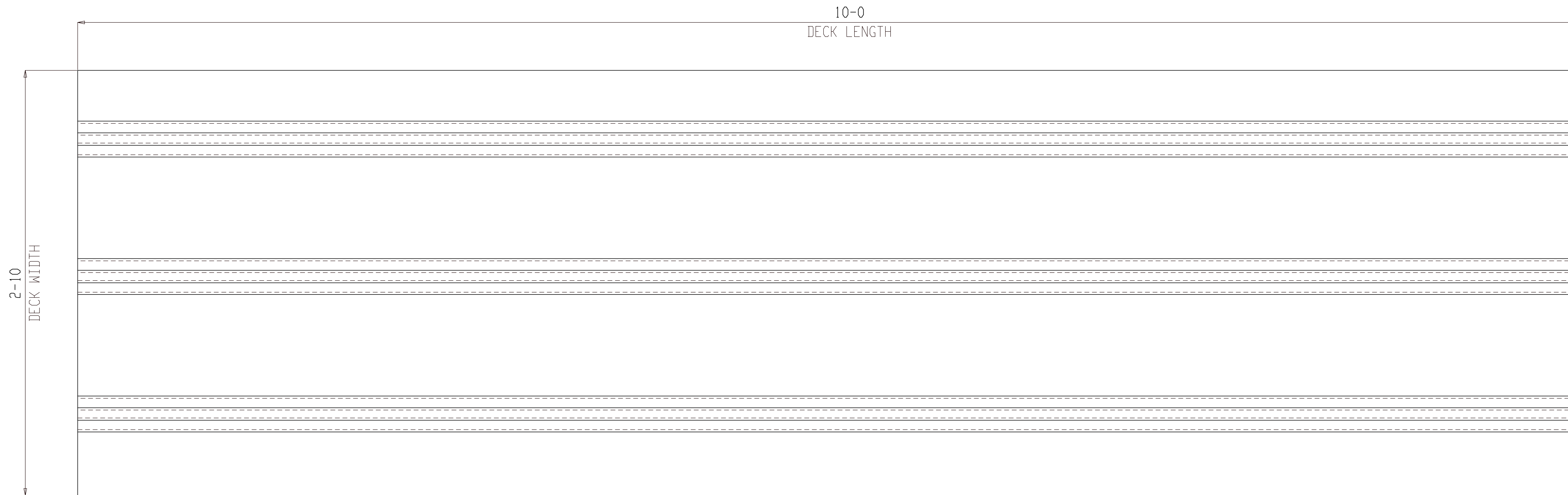
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M137		ONE	CORRUGATED PLATE				140
	M137	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER:	459
		SHEET NO.:	M137
		REV:	△



ONE CORRUGATED PLATE M138

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M138		ONE	CORRUGATED PLATE				140
	M138	1	PL 14GAx55	10-0			140

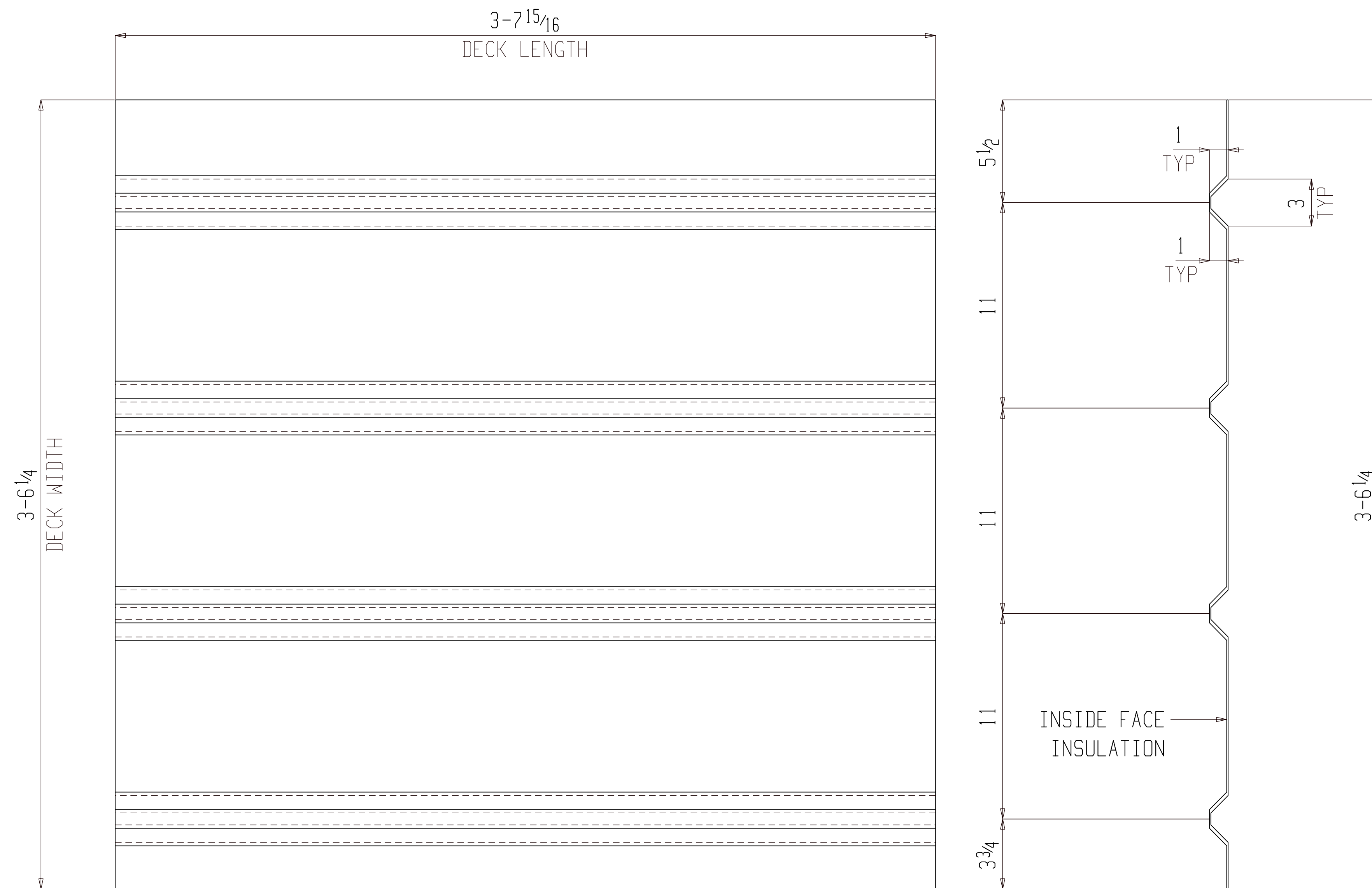
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER:	459	SHEET NO.:	M138	REV	△



ONE CORRUGATED PLATE M139

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M139		ONE	CORRUGATED PLATE				51
	M139	1	PL 14GAx55	3-7 ¹⁵ / ₁₆			51

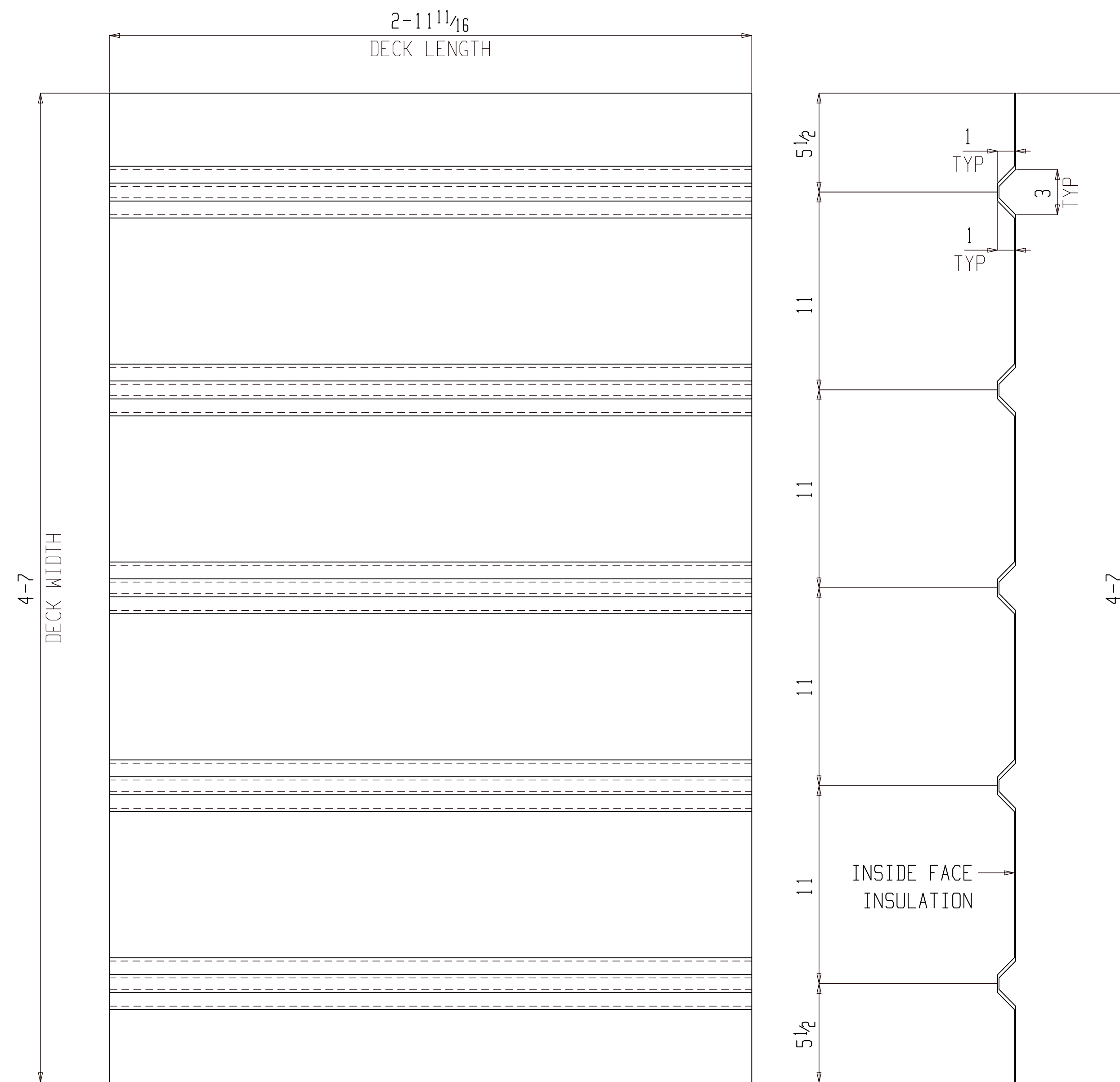
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER:	459	SHEET NO.:	M139	REV	△



ONE CORRUGATED PLATE M140

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

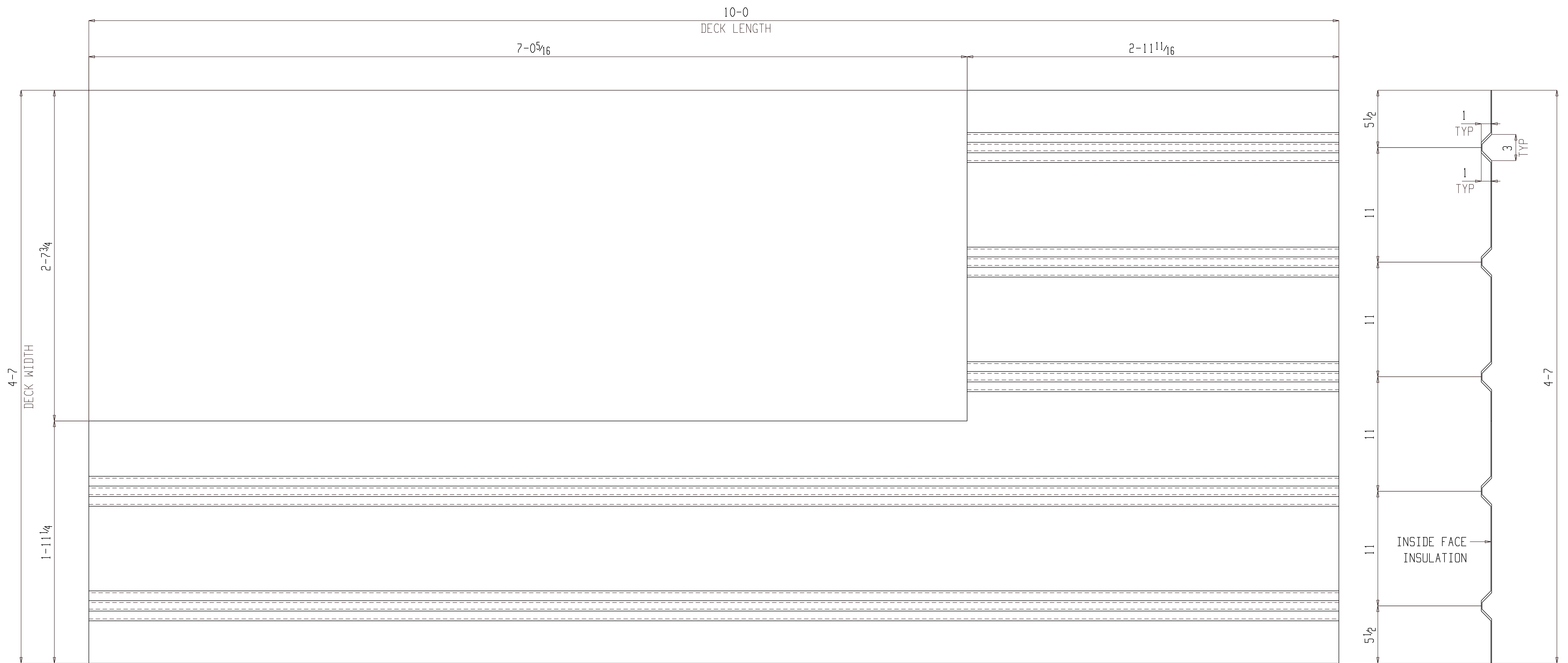
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M140		ONE	CORRUGATED PLATE				42
	M140	1	PL14GAx55	2-11 1/16			42

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M140
REV.	△		



ONE CORRUGATED PLATE M141

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

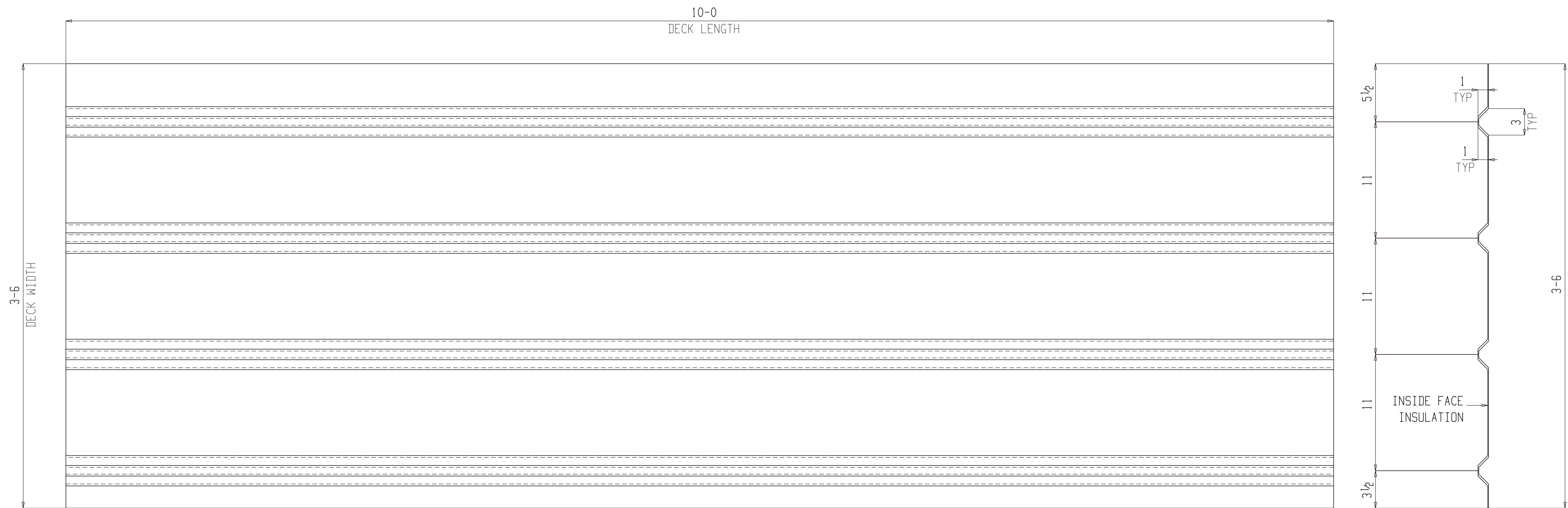
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M141		ONE	CORRUGATED PLATE				140
	M141	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M141
REV.	△		



ONE CORRUGATED PLATE M142

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

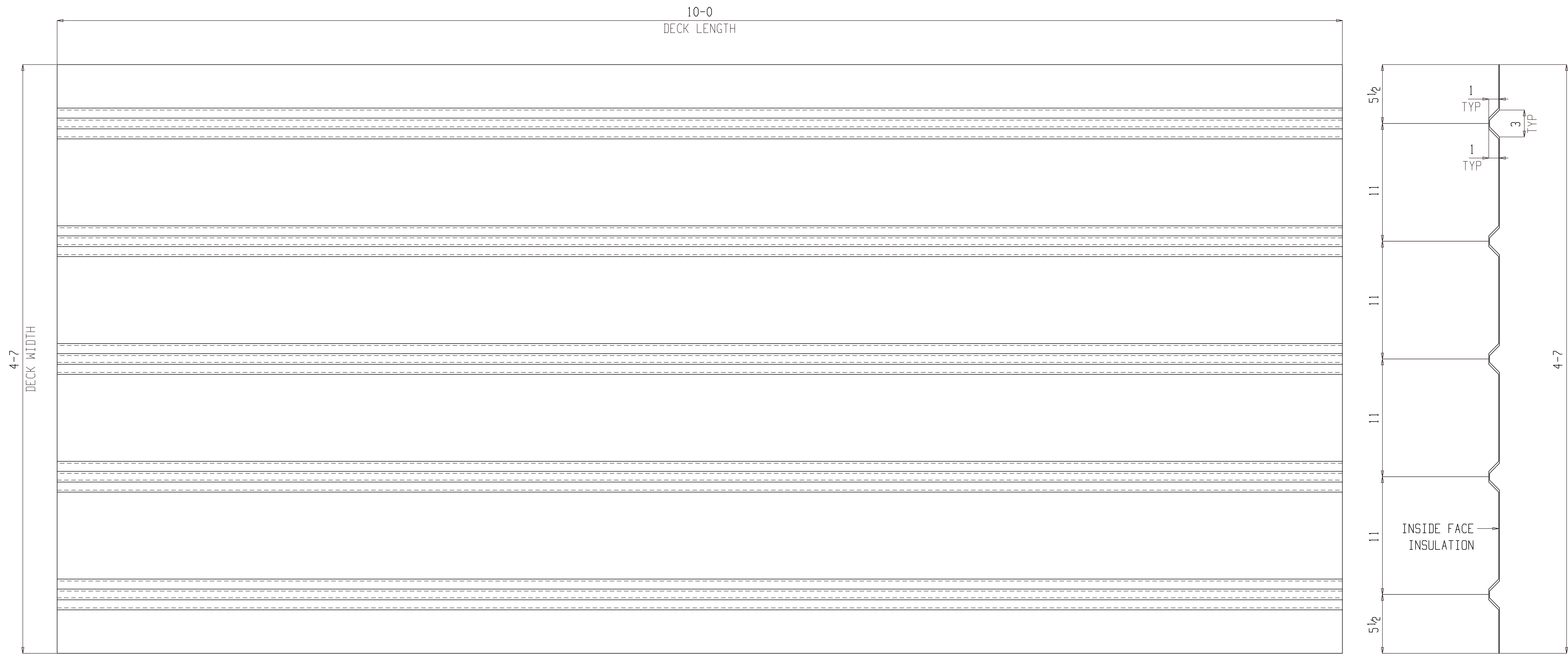
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M142		ONE	CORRUGATED PLATE				140
	M142	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M142
		REV	△



2 CORRUGATED PLATES M143

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

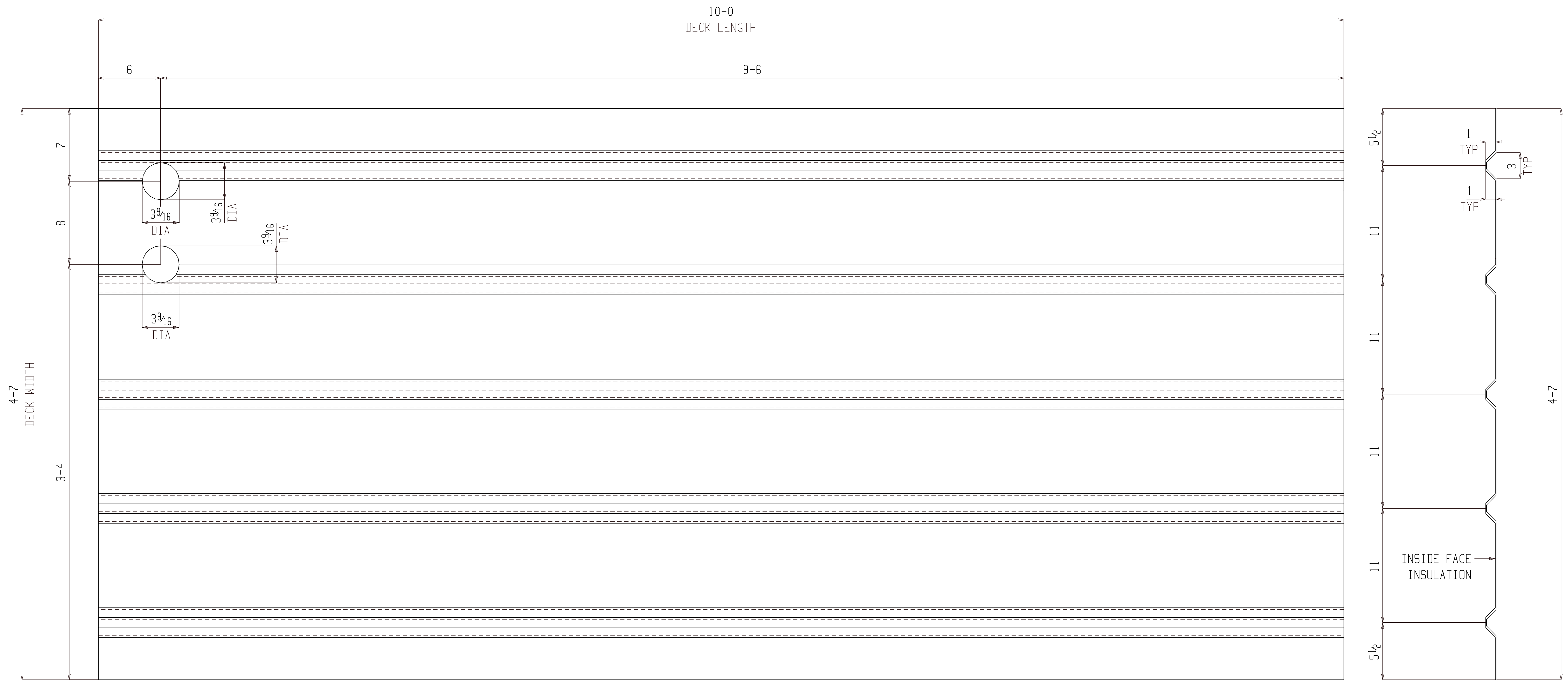
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M143		2	CORRUGATED PLATE				280
	M143	2	PL14GAx55	10-0			280

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M143
REV.	△		



ONE CORRUGATED PLATE M144

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

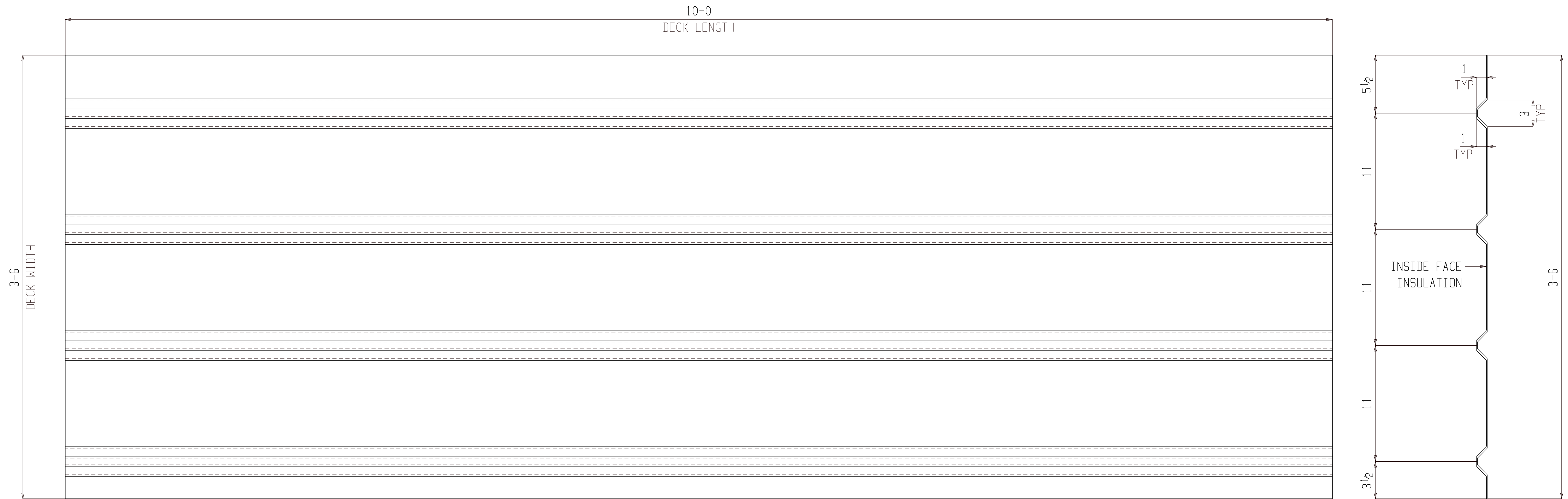
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M144		ONE	CORRUGATED PLATE				140
	M144	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U/N	13/16Ø	PAINT U/N	NO PAINT
WELDS	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M144
REV			△



ONE CORRUGATED PLATE M145

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

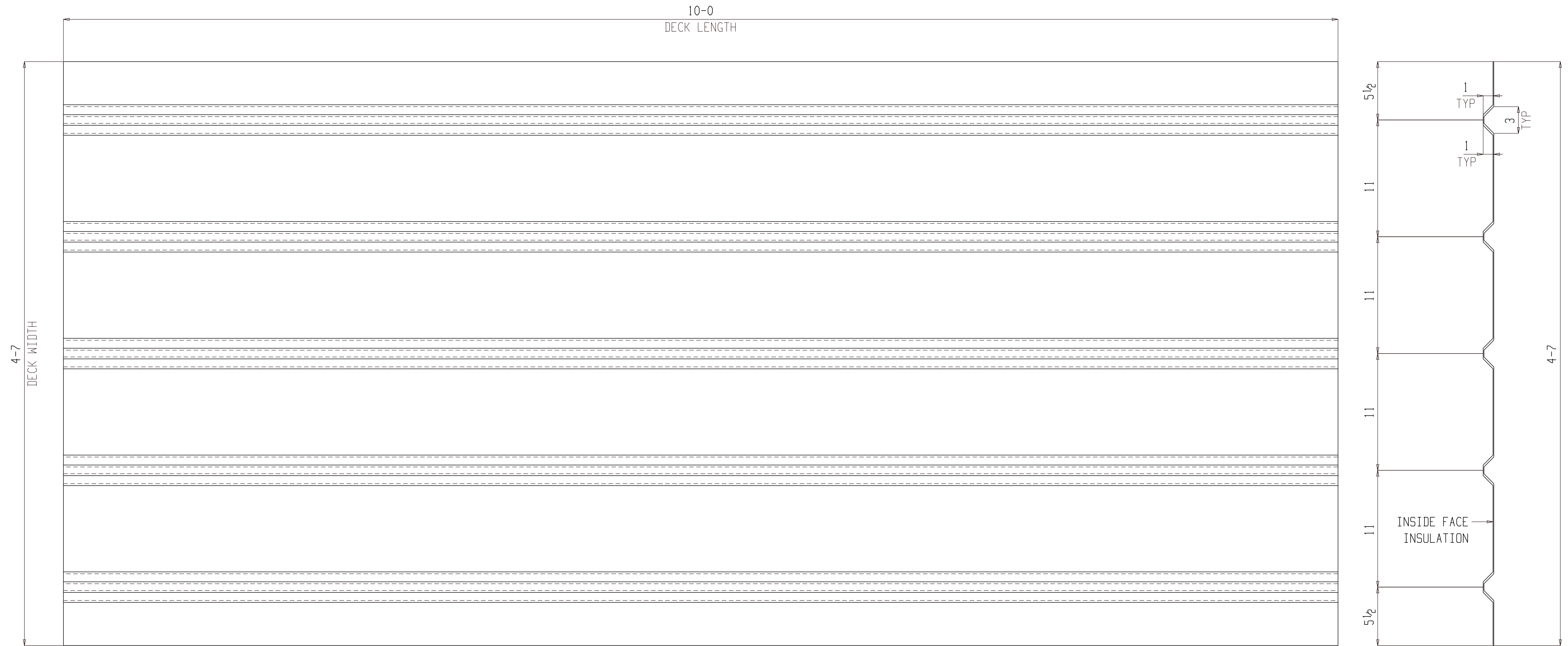
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M145		ONE	CORRUGATED PLATE				140
	M145	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M145
REV.	△		



3 CORRUGATED PLATES M146

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

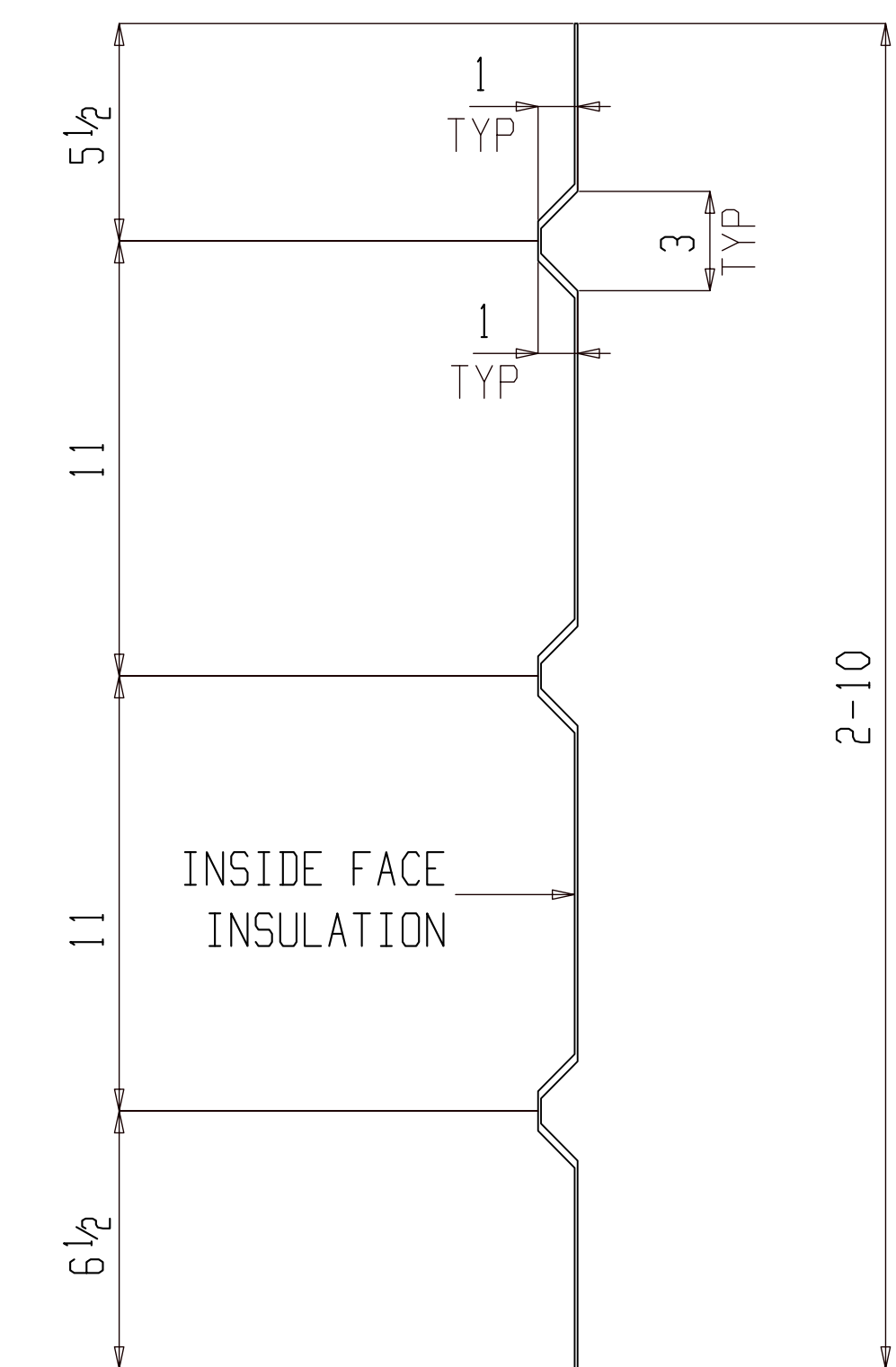
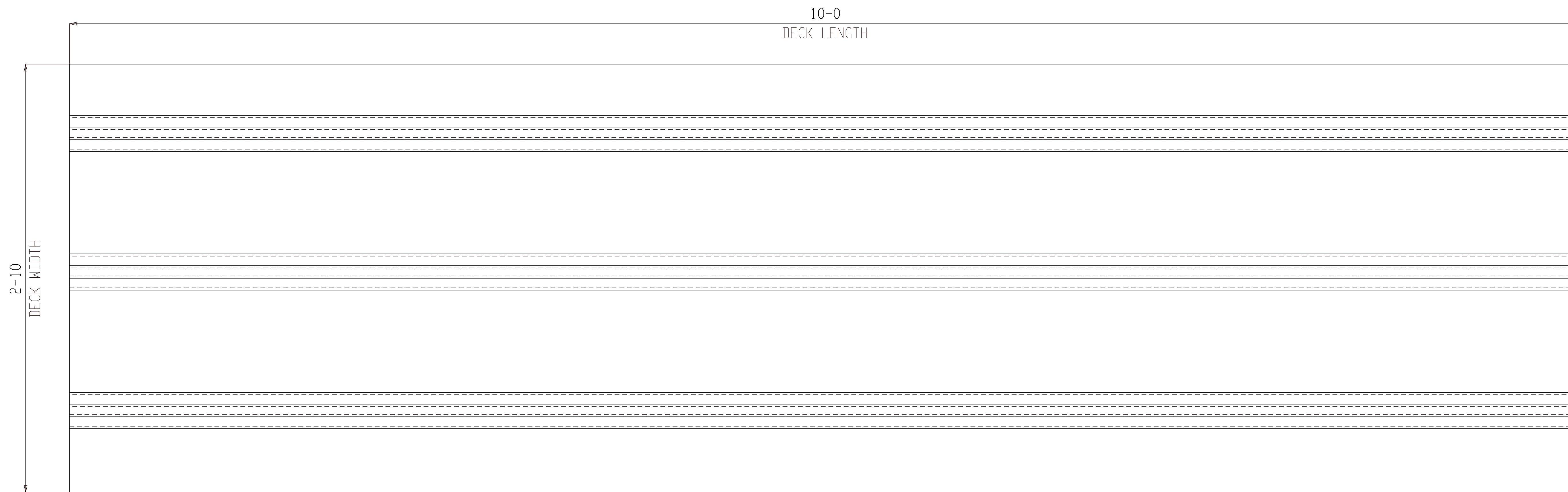
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M146		3	CORRUGATED PLATE				419
	M146	3	PL 14GAx55	10-0			419

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M146
REV.	△		



ONE CORRUGATED PLATE M147

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

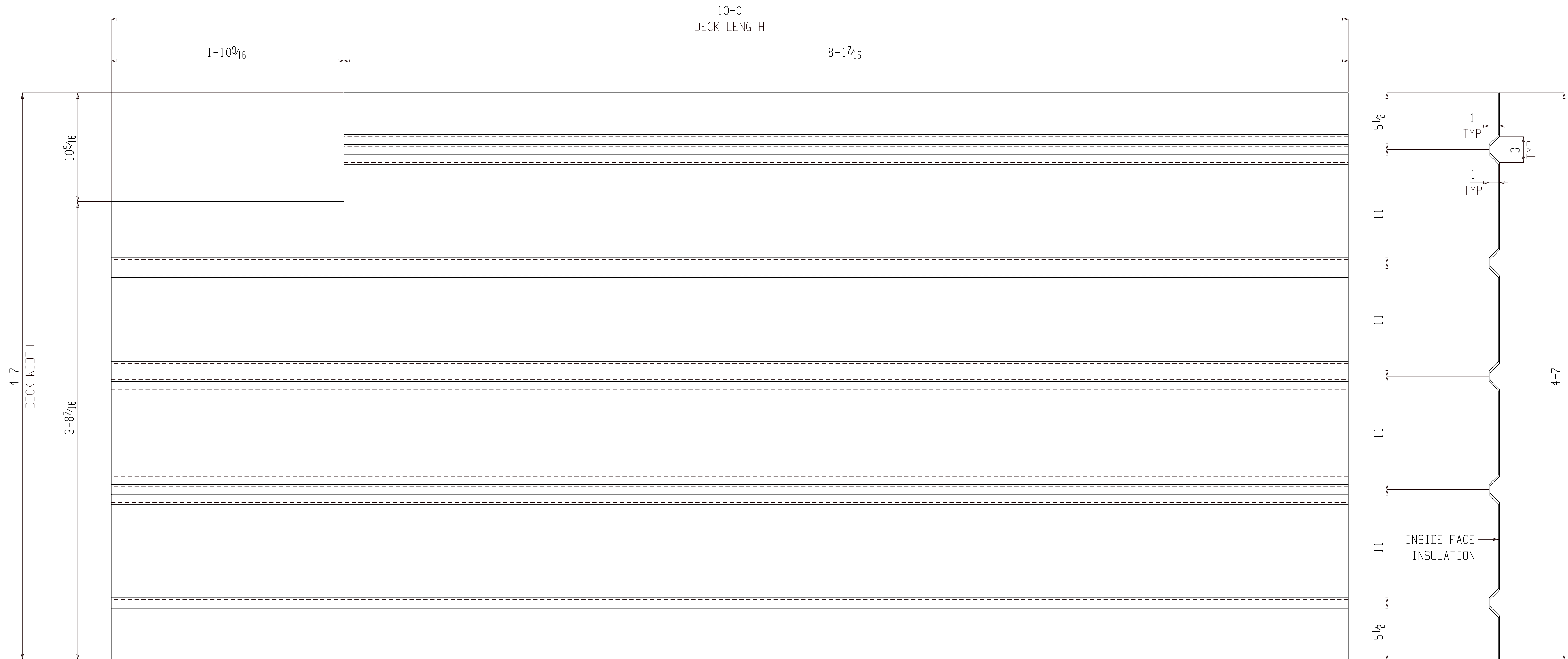
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M147		ONE	CORRUGATED PLATE				140
	M147	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M147
REV	△		



ONE CORRUGATED PLATE M148

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

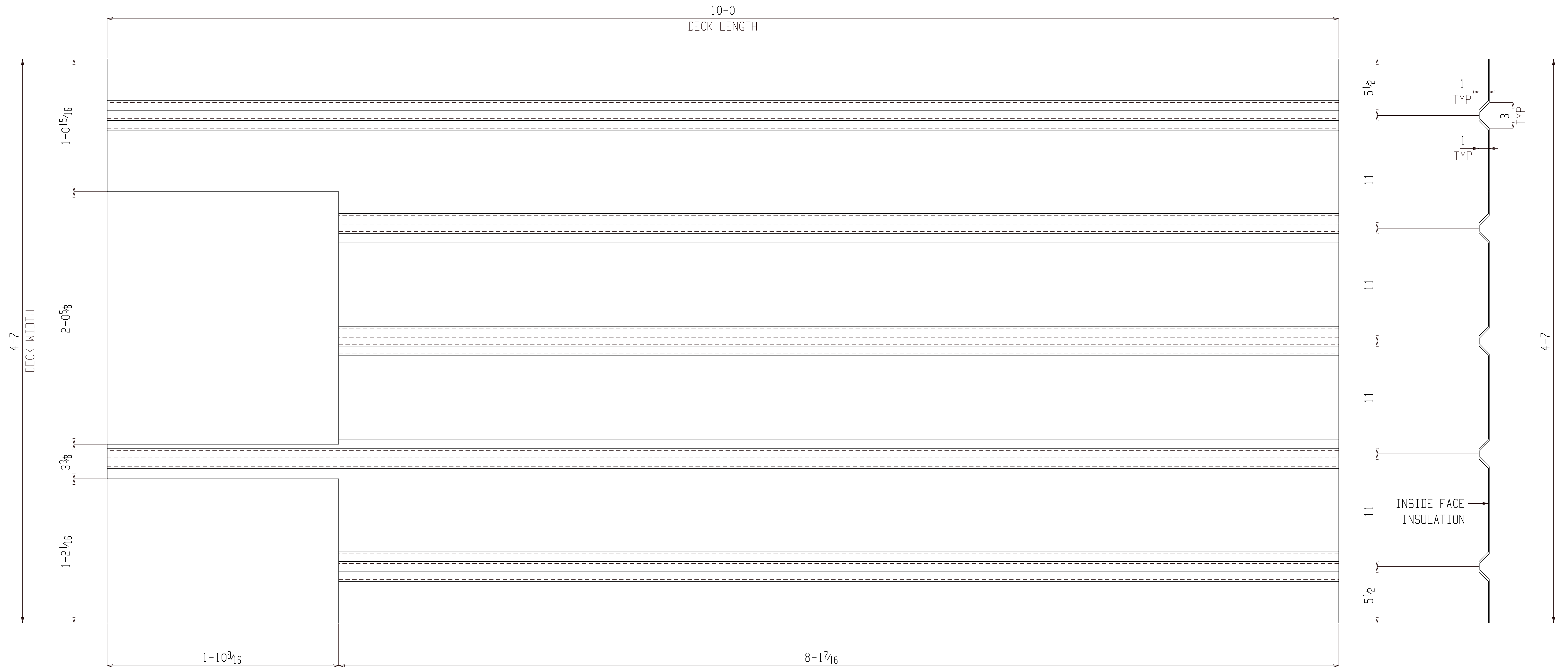
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M148		ONE	CORRUGATED PLATE				140
	M148	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M148
		REV	△



ONE CORRUGATED PLATE M149

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

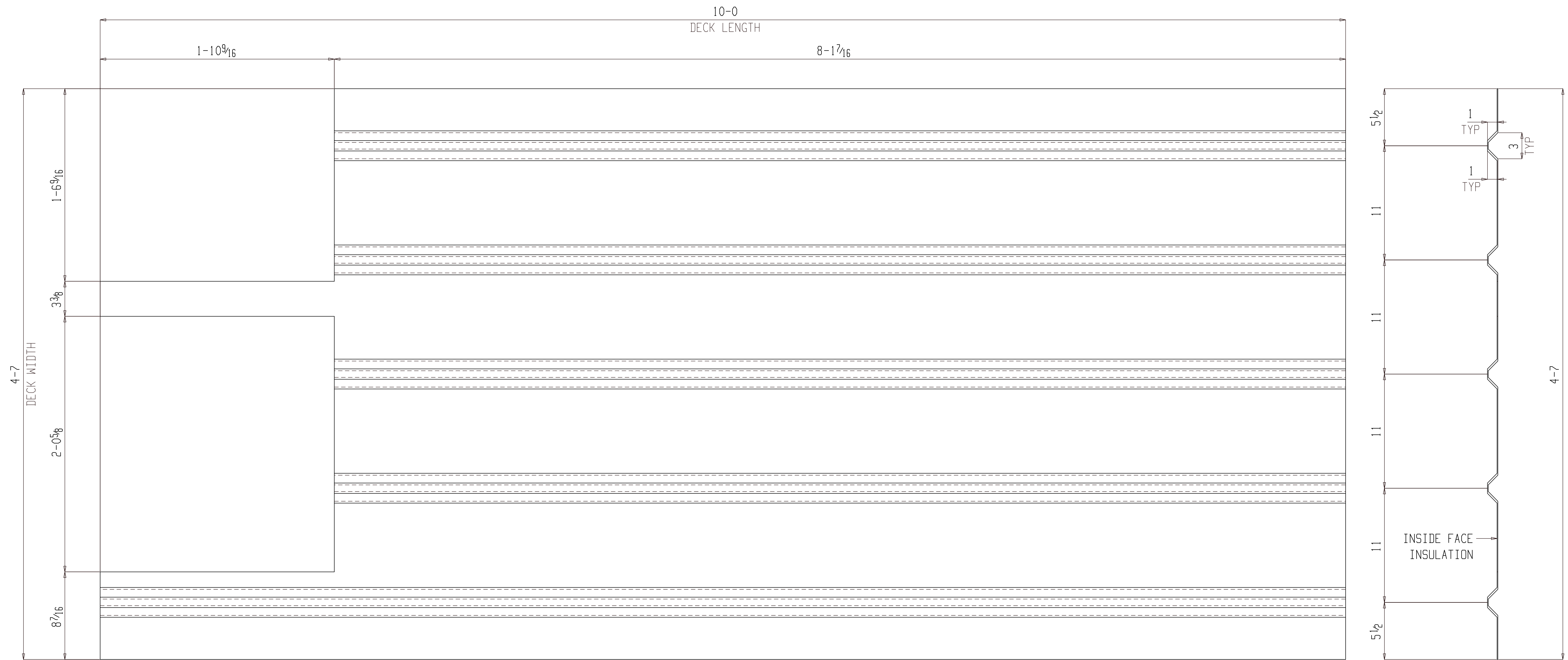
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M149		ONE	CORRUGATED PLATE				140
	M149	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M149
REV.	△		



ONE CORRUGATED PLATE M150

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

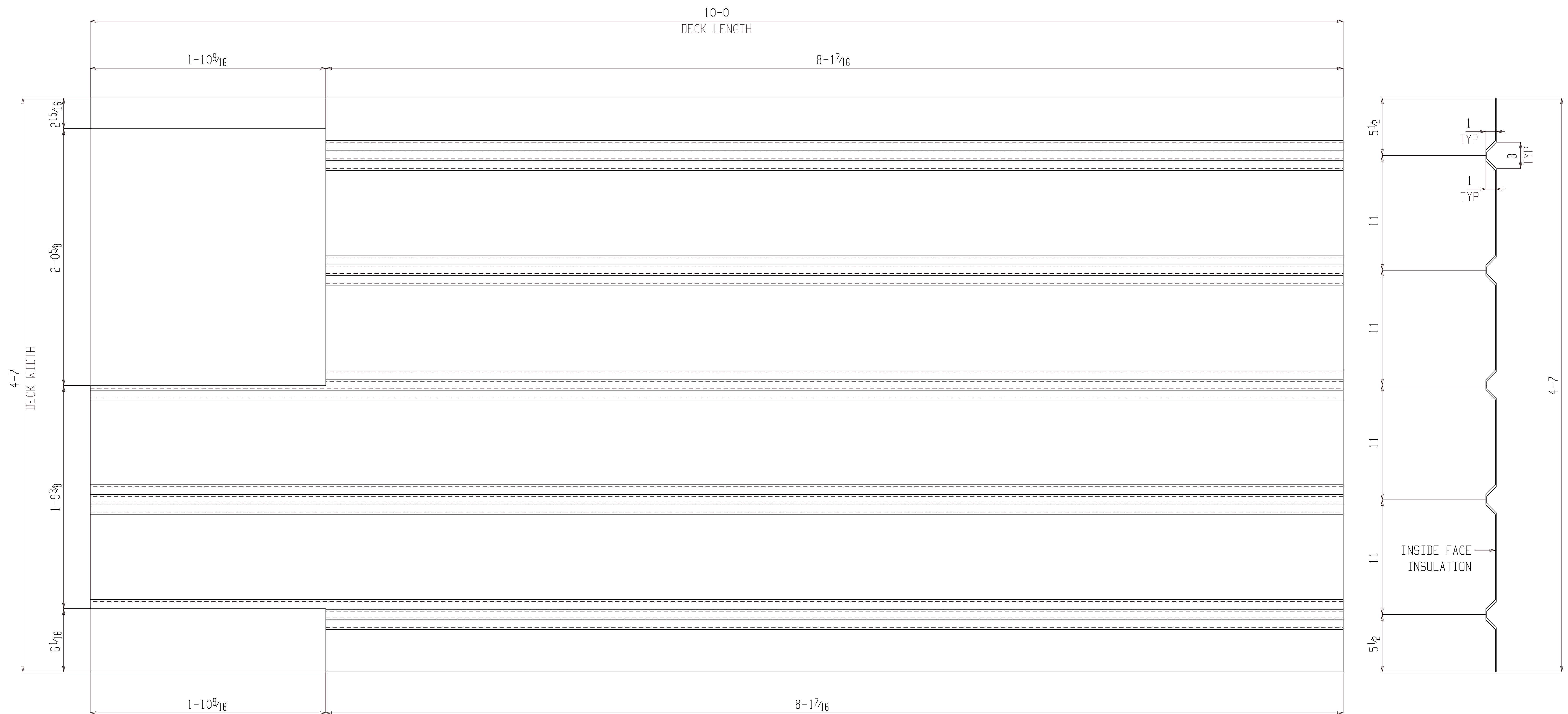
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M150		ONE	CORRUGATED PLATE				140
	M150	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M150
		REV	△



ONE CORRUGATED PLATE M151

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

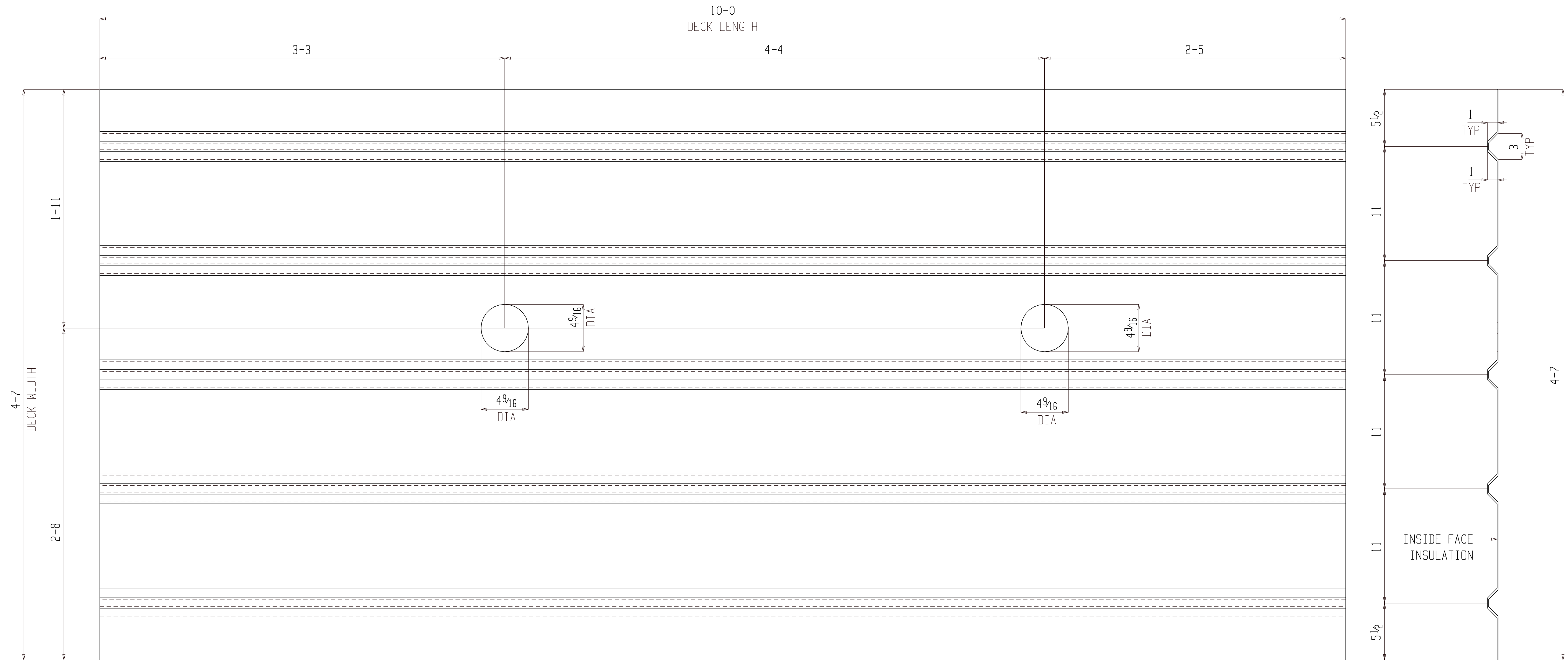
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M151		ONE	CORRUGATED PLATE				140
	M151	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	AKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M151
REV.	△		



ONE CORRUGATED PLATE M152

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

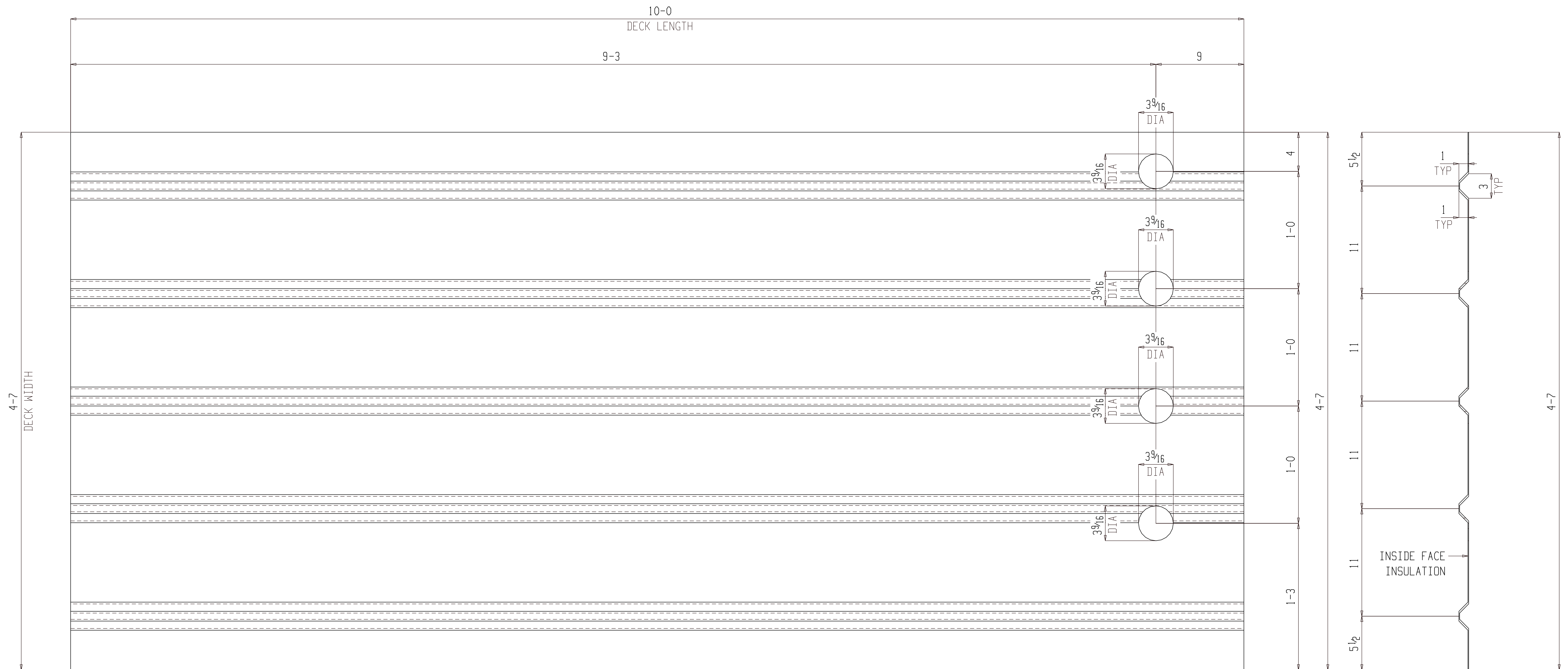
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M152		ONE	CORRUGATED PLATE				140
	M152	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M152
REV.	△		



ONE CORRUGATED PLATE M153

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

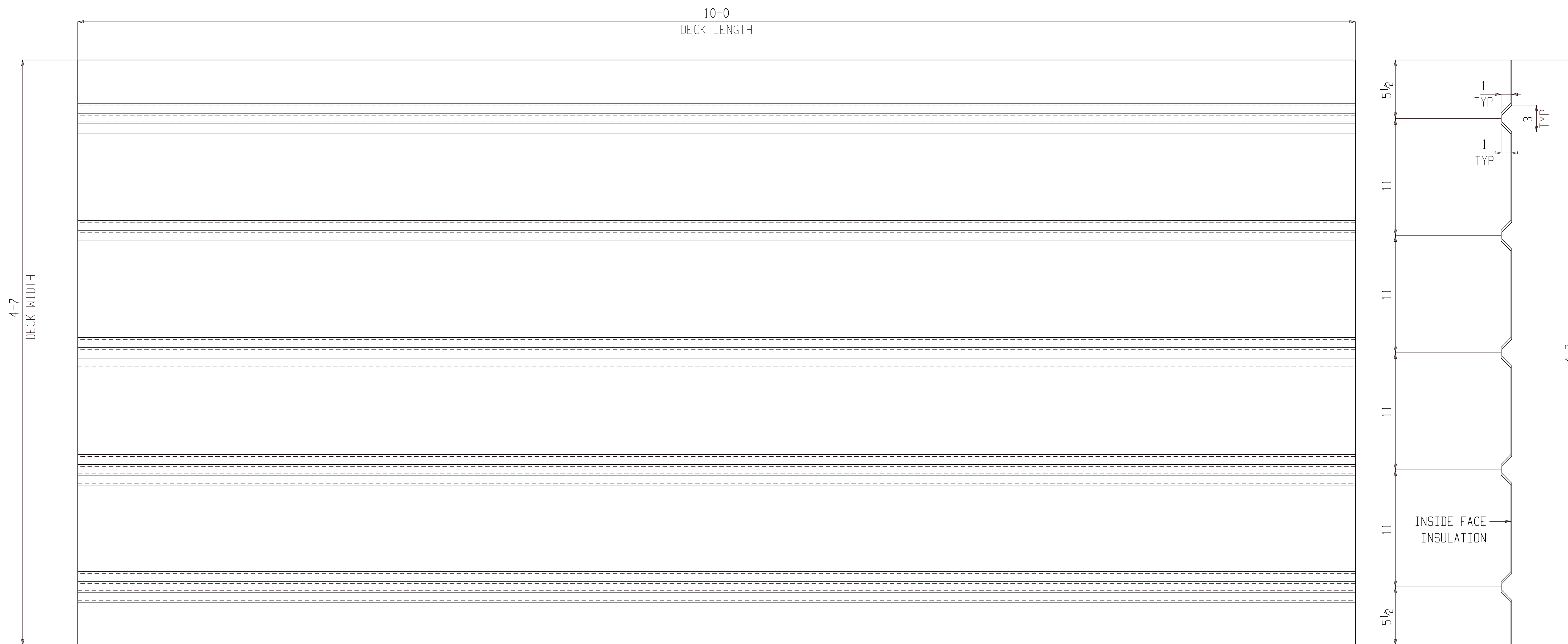
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M153		ONE	CORRUGATED PLATE				140
	M153	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M153
REV			



ONE CORRUGATED PLATE M154

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

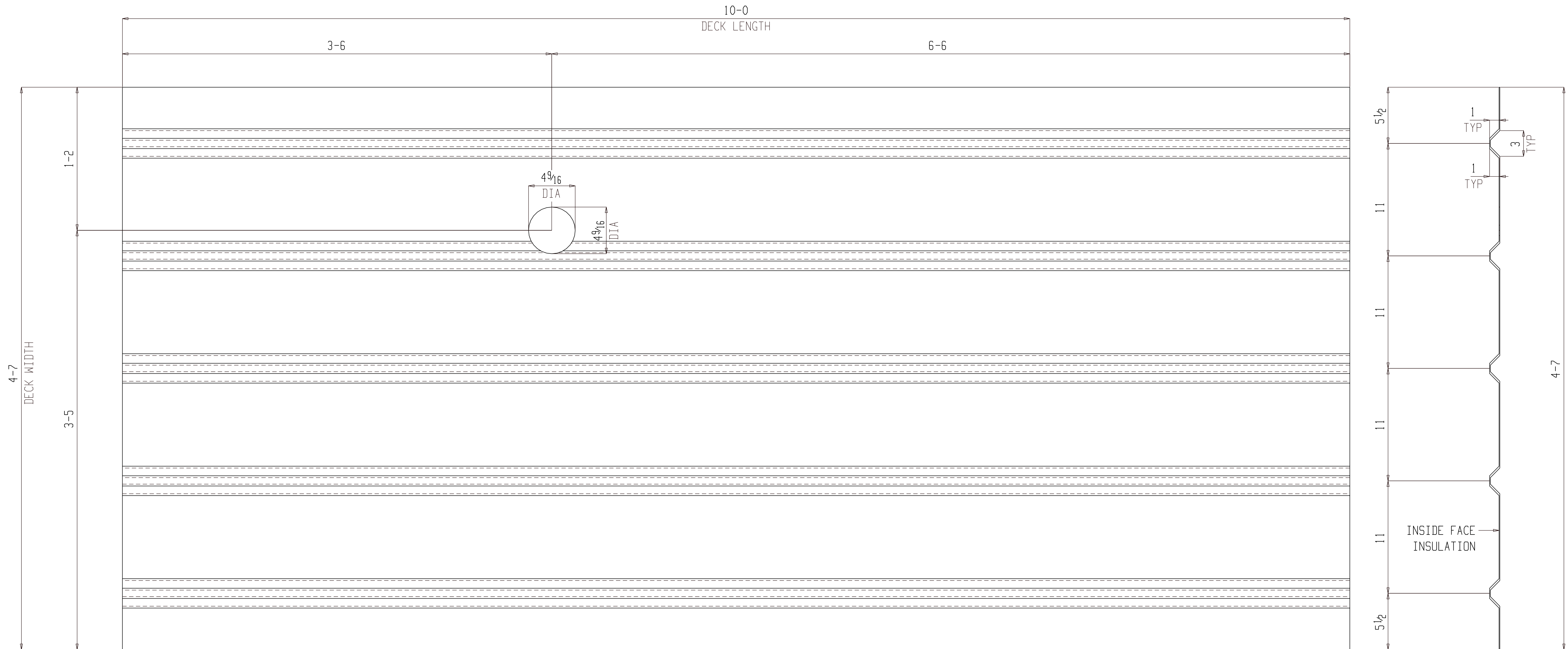
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M154		ONE	CORRUGATED PLATE				140
	M154	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M154
REV	△		



ONE CORRUGATED PLATE M155

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

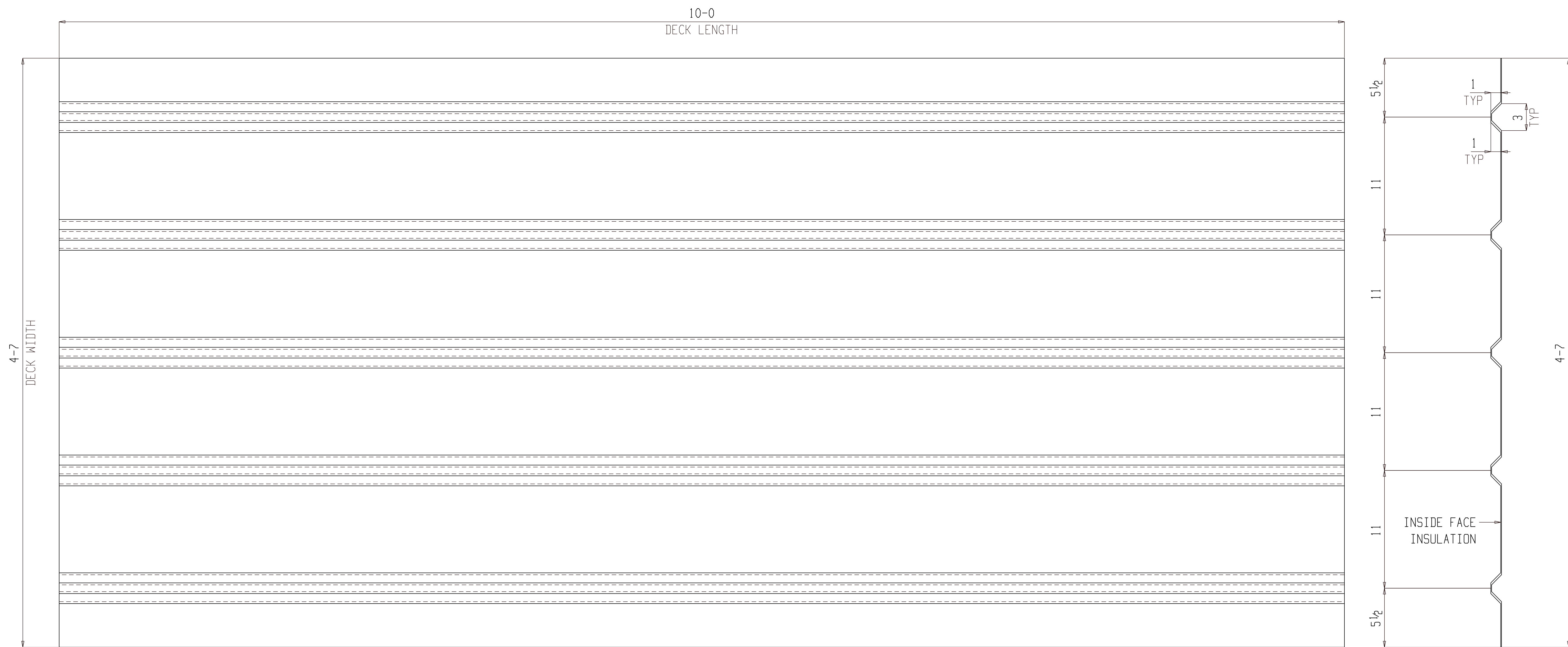
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M155		ONE	CORRUGATED PLATE				140
	M155	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M155
REV.	△		



ONE CORRUGATED PLATE M156

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

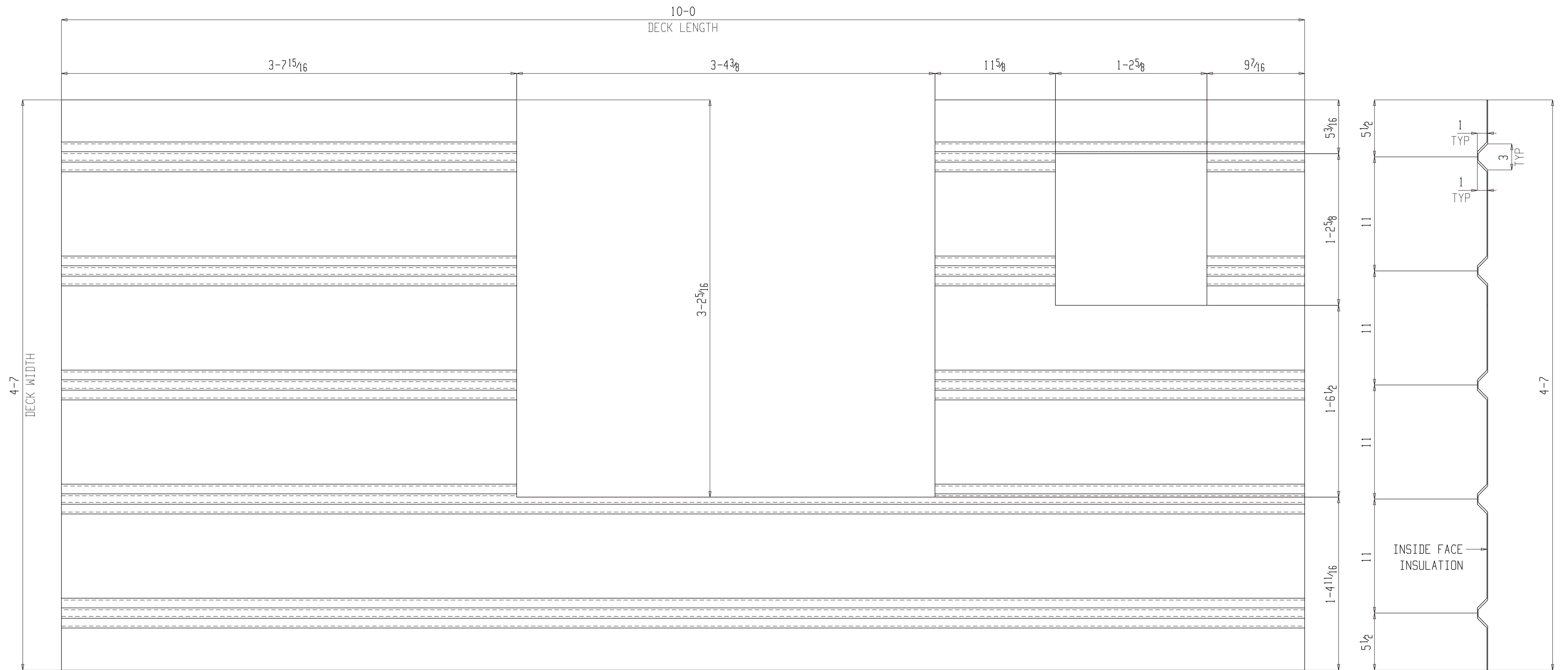
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M156		ONE	CORRUGATED PLATE				140
	M156	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	459
DESCRIPTION:	MISC. DETAIL	SHEET NO.:	M156
		REV	△



ONE CORRUGATED PLATE M157

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M157		ONE	CORRUGATED PLATE				140
	M157	1	PL 14GAx55	10-0			140

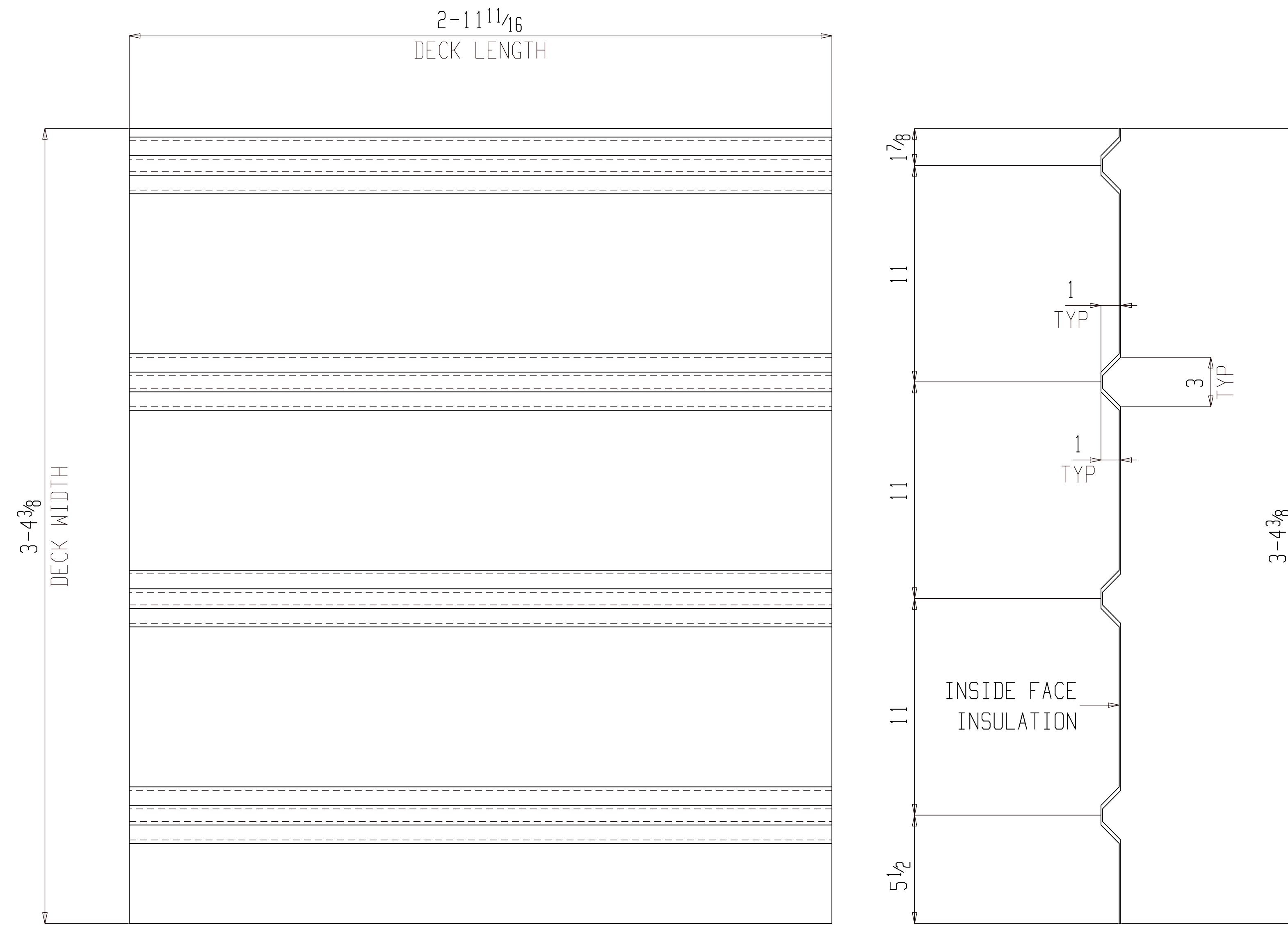
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER:	459	SHEET NO.:	M157	REV	△



ONE CORRUGATED PLATE M158

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

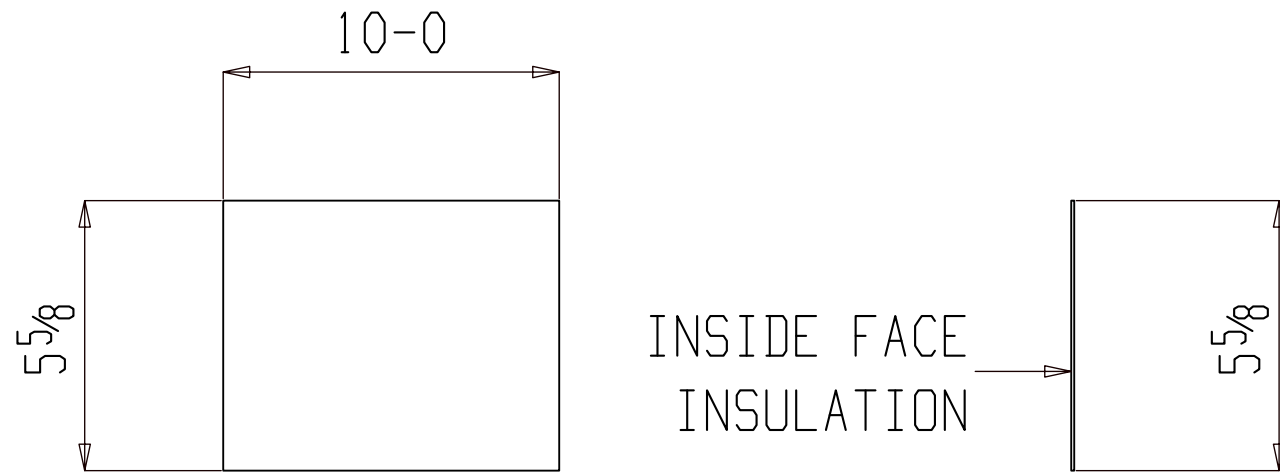
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M158		ONE	CORRUGATED PLATE				42
	M158	1	PL14GAx55	2-11 1/16			42

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M158
REV.	△		



2 MISCS M159

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

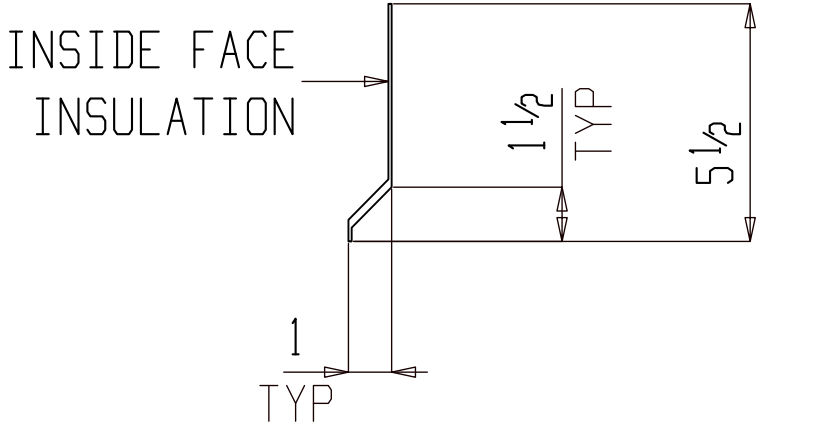
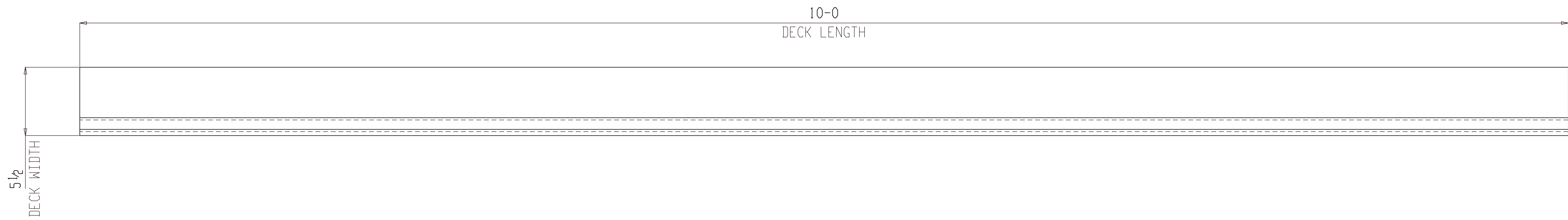
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M159		2	MISC				29
	M159	2	PL14GAx5 5/8	10-0			29

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M159
		REV	△



ONE CORRUGATED PLATE M160

(ASSEMBLY REFER: AS101)

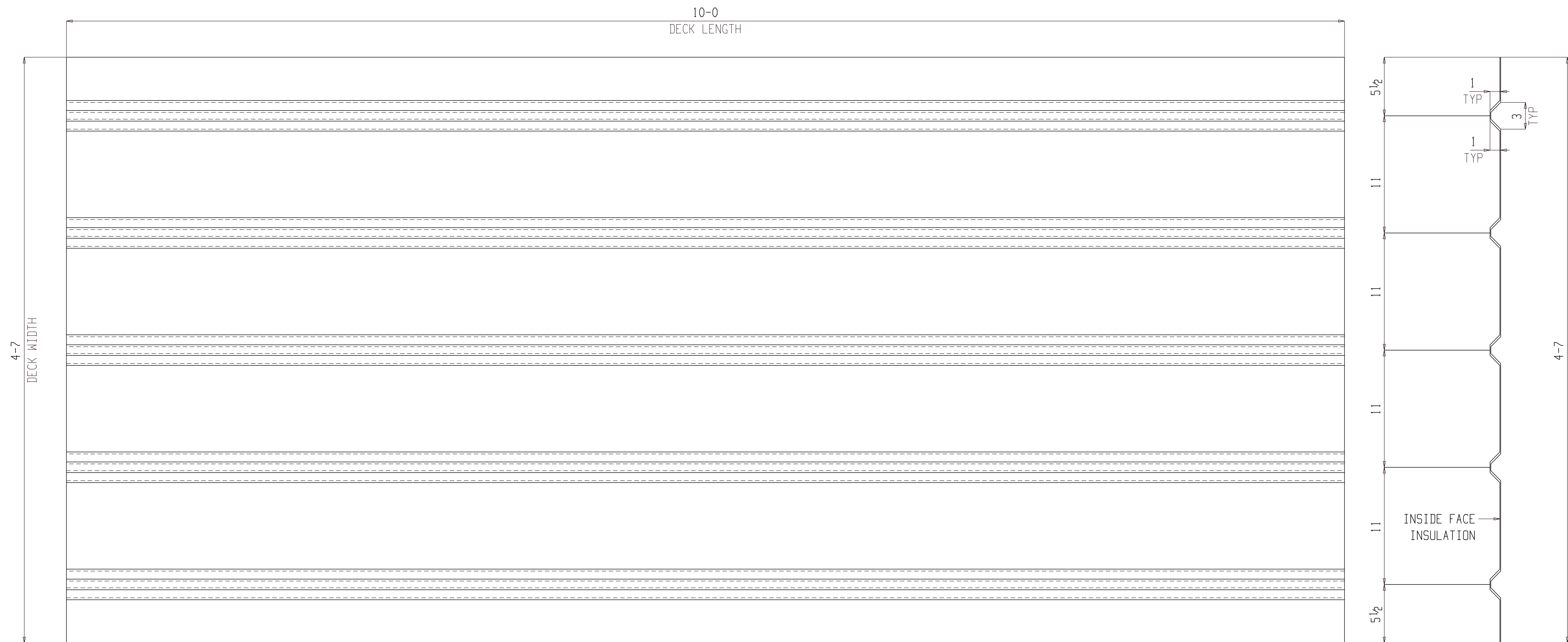
NO PAINT

FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M160		ONE	CORRUGATED PLATE				140
	M160	1	PL 14GAx55	10-0			140

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	07-18-22											
△	For Re-Approval	ALN	07-04-22											
△	For Approval	ALN	06-20-22											
REV.	DESCRIPTION	BY	DATE											
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:								
JOB NAME:	RAMPART POWER SYSTEM UPGRADE										DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA										SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY										DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER:	459	SHEET NO.:	M160	REV:	△							



ONE CORRUGATED PLATE M161

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

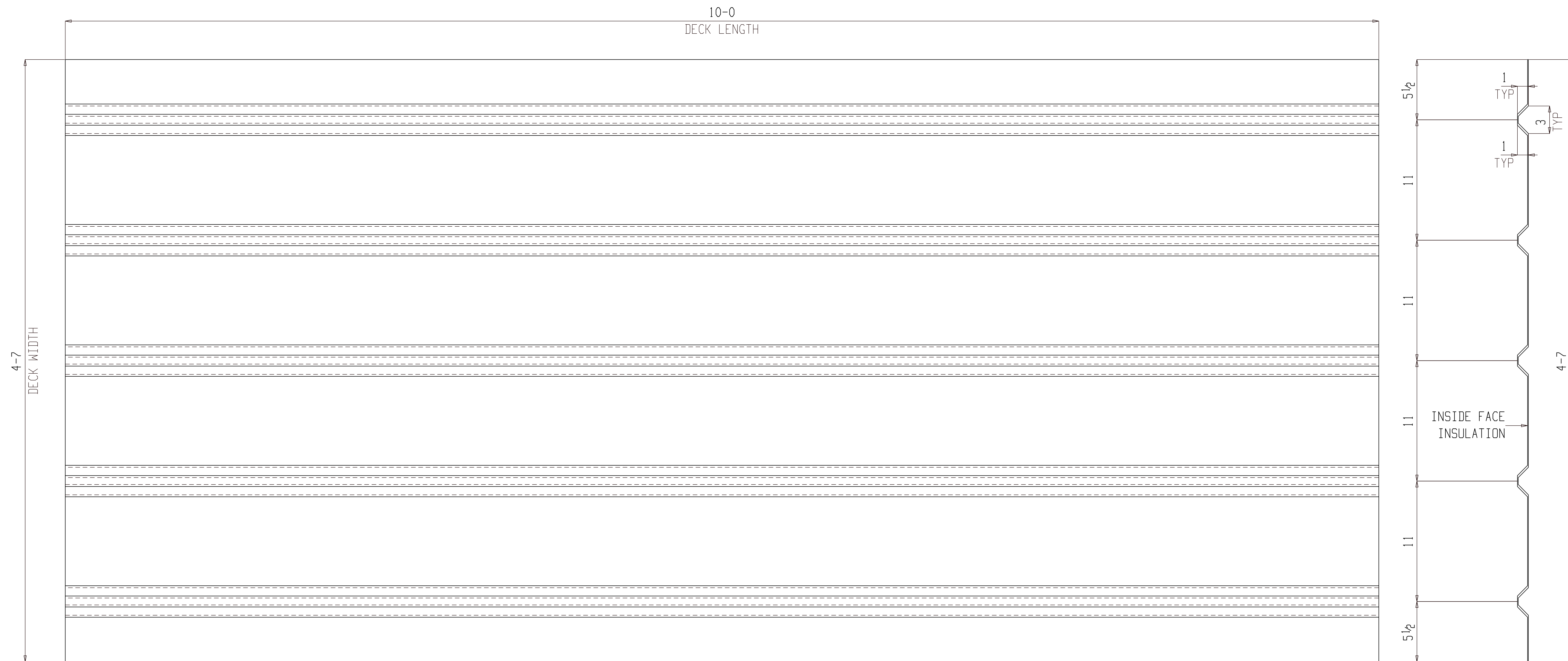
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M161		ONE	CORRUGATED PLATE				140
	M161	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M161
REV.	△		



2 CORRUGATED PLATES M162

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

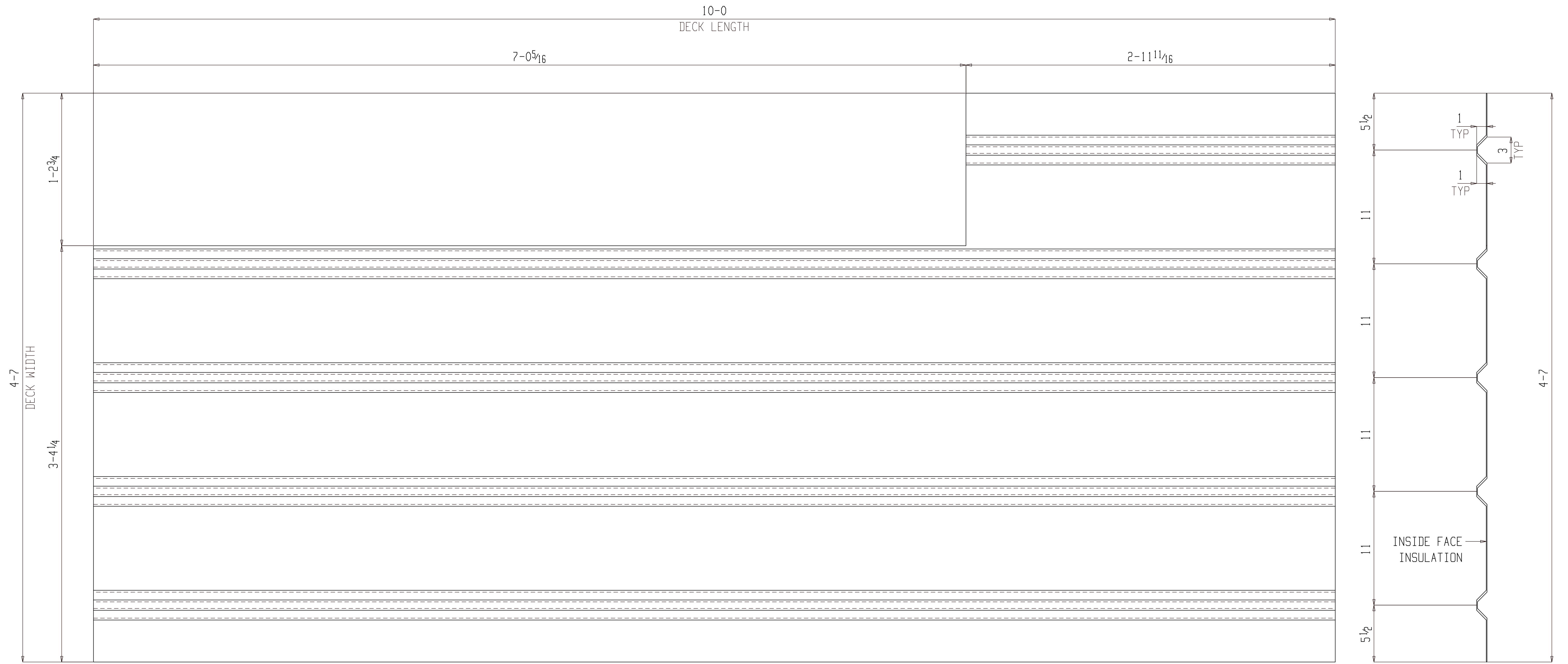
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M162		2	CORRUGATED PLATE				280
	M162	2	PL 14GAx55	10-0			280

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M162
		REV	△



ONE CORRUGATED PLATE M163

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M163		ONE	CORRUGATED PLATE				140
	M163	1	PL 14GAx55	10-0			140

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

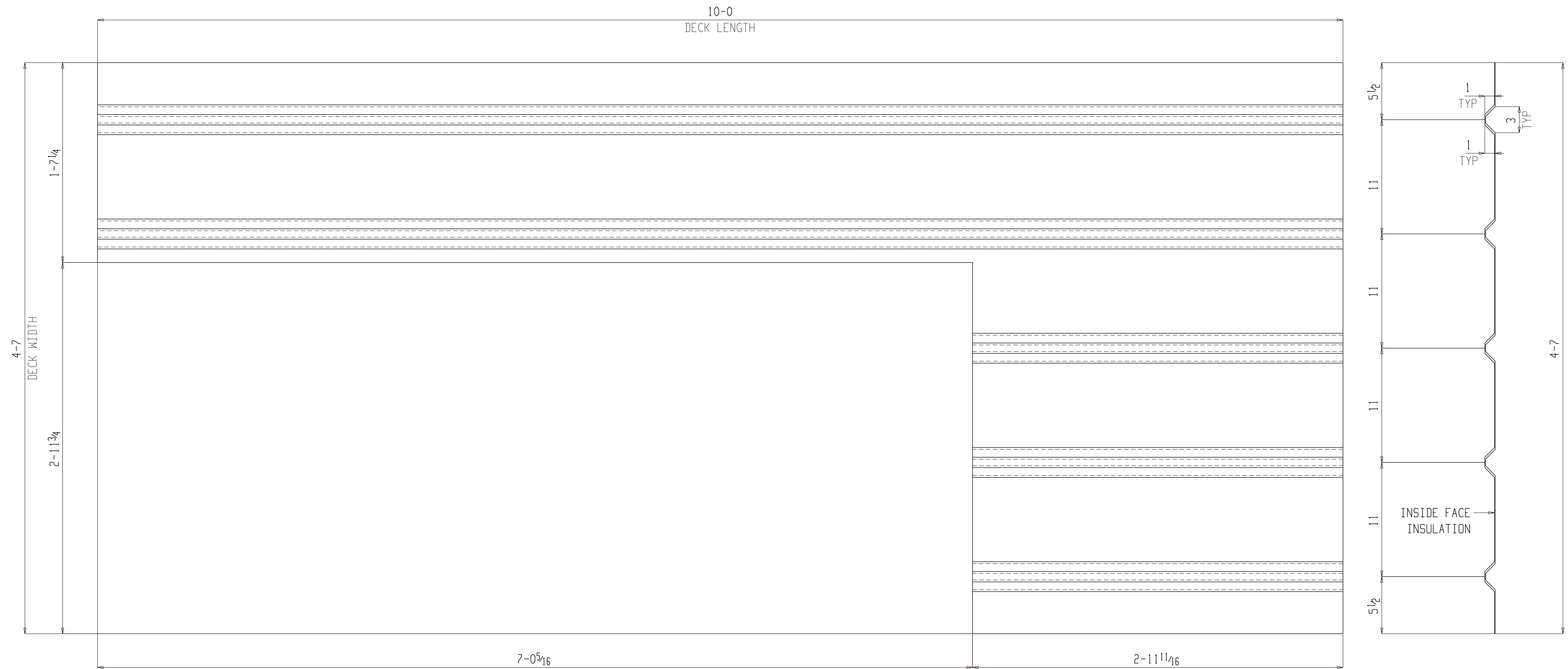
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: MISC. DETAIL JOB NUMBER: 459 SHEET NO.: M163 REV: △



ONE CORRUGATED PLATE M164

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

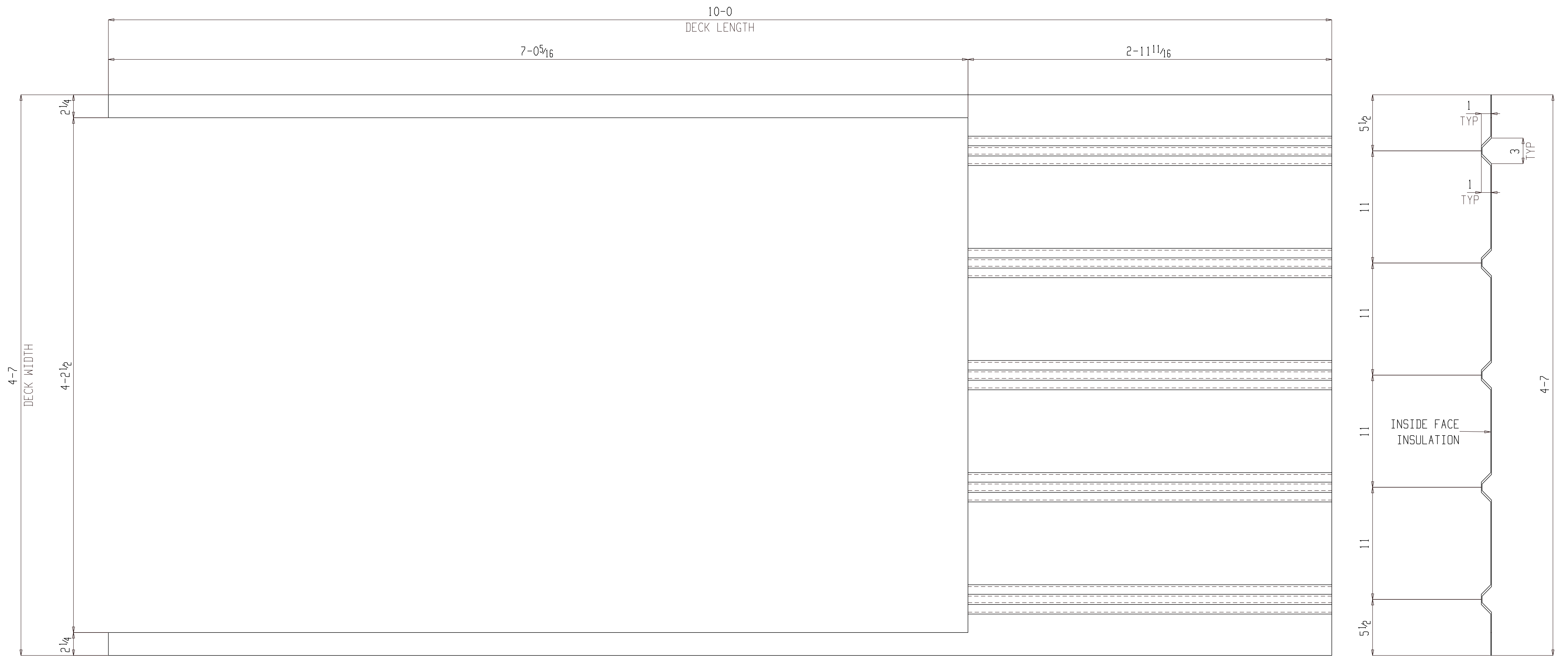
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M164		ONE	CORRUGATED PLATE				140
	M164	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M164
REV.	△		



ONE CORRUGATED PLATE M165

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M165		ONE	CORRUGATED PLATE				140
	M165	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

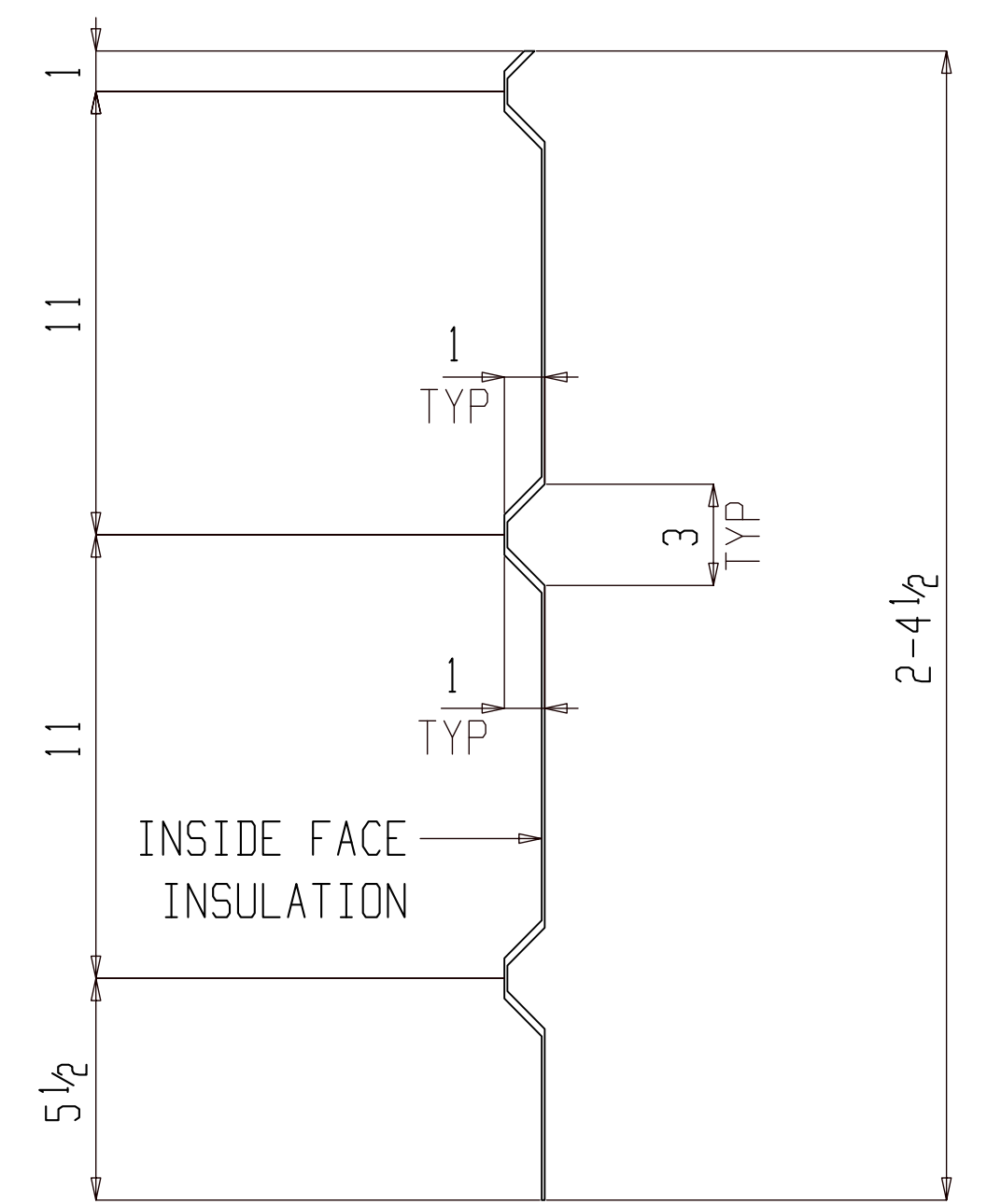
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: MISC. DETAIL JOB NUMBER: 459 SHEET NO.: M165 REV: △



ONE CORRUGATED PLATE M166

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M166		ONE	CORRUGATED PLATE				140
	M166	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

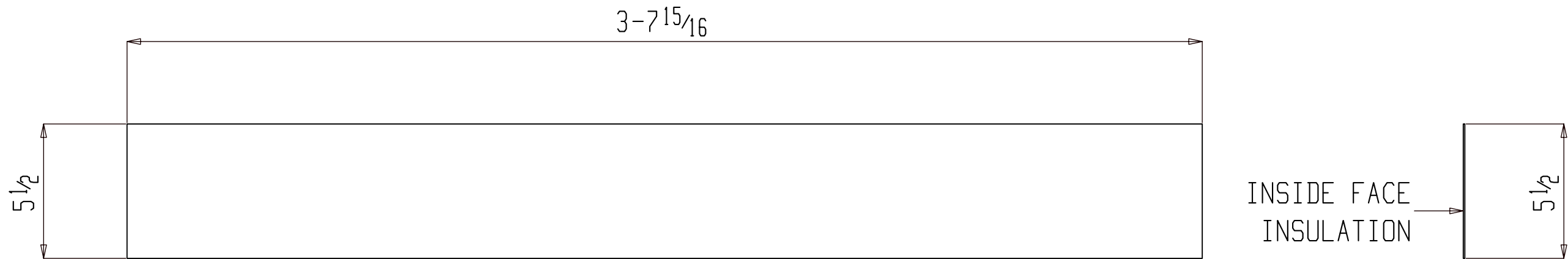
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: MISC. DETAIL JOB NUMBER 459 SHEET NO. M166 REV △



ONE MISC M167

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

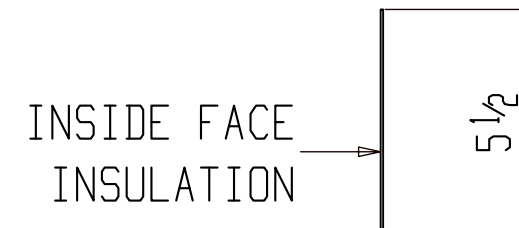
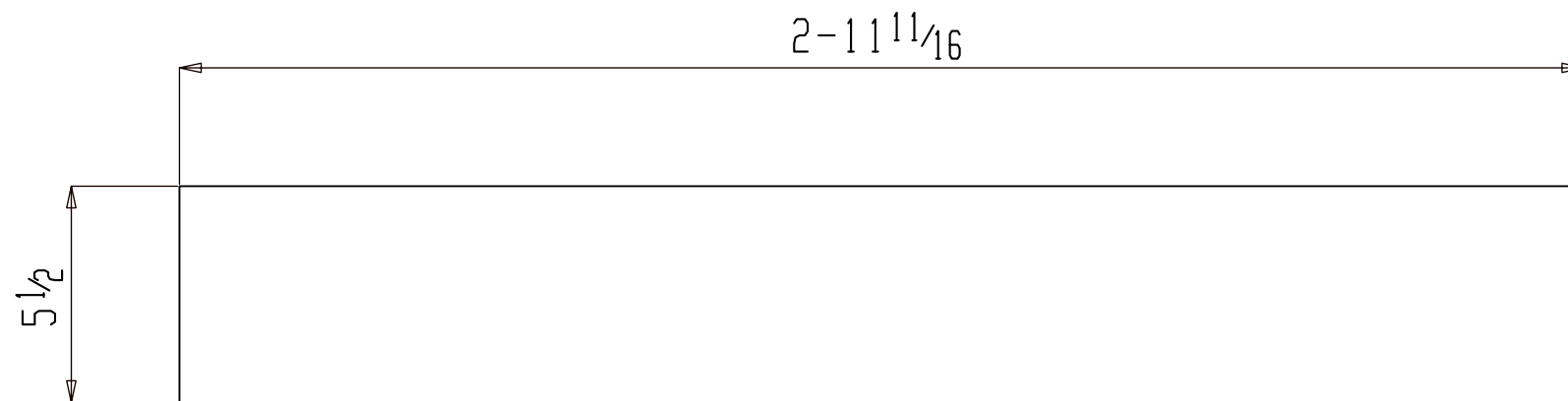
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M167		ONE	MISC				5
	M167	1	PL14GAx5 1/2	3-7 15/16			5

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-18-22
△	For Re-Approval			ALN	07-04-22
△	For Approval			ALN	06-20-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM
LOCATION:	ALASKA			CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY			SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL			DATE:	05-26-22
	JOB NUMBER	SHEET NO.	REV		
	459	M167	△		



ONE MISC M168

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

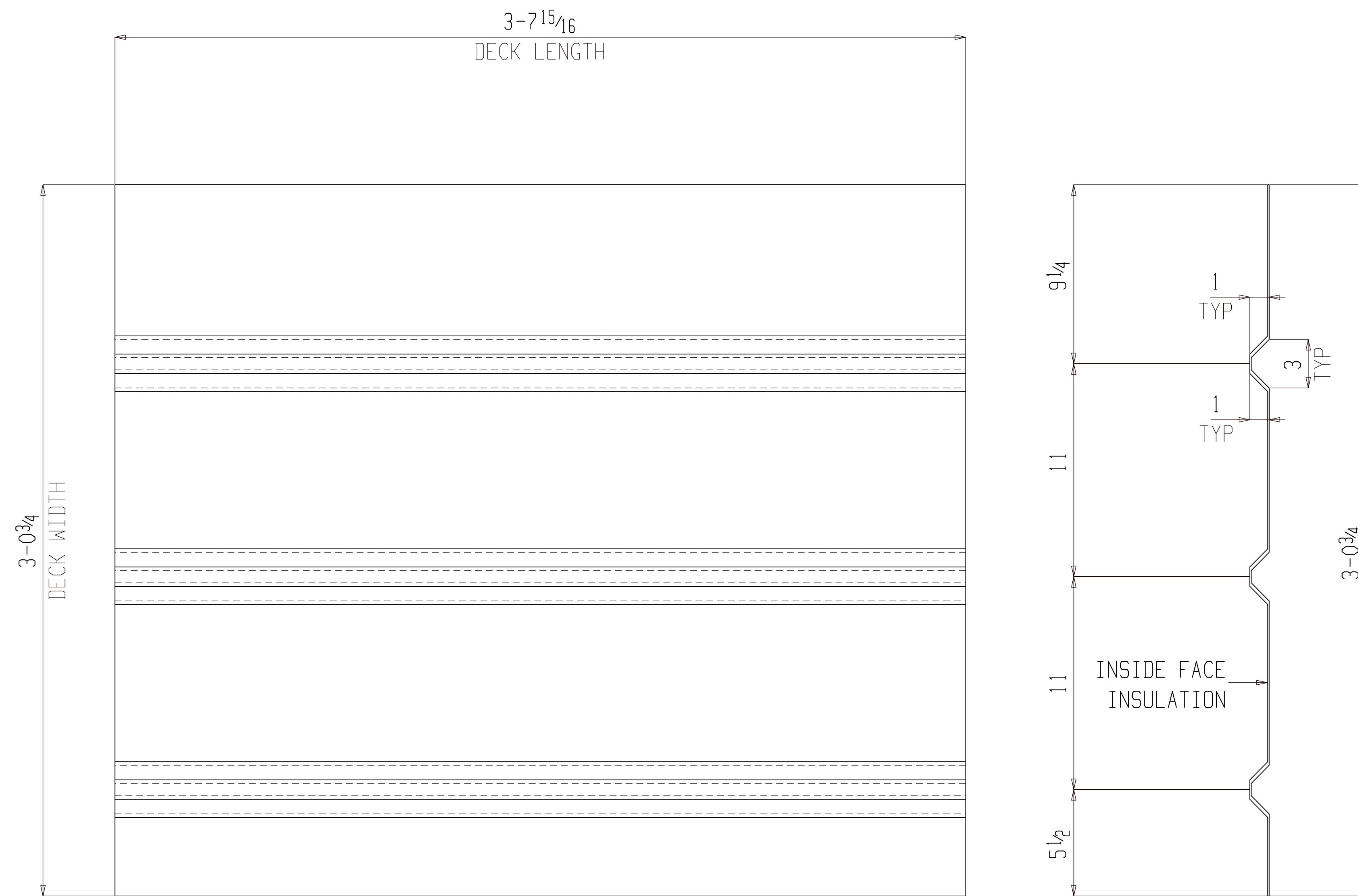
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M168		ONE	MISC				4
	M168	1	PL14GAx5 1/2	2-11 11/16			4

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M168
			REV △



ONE CORRUGATED PLATE M169

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

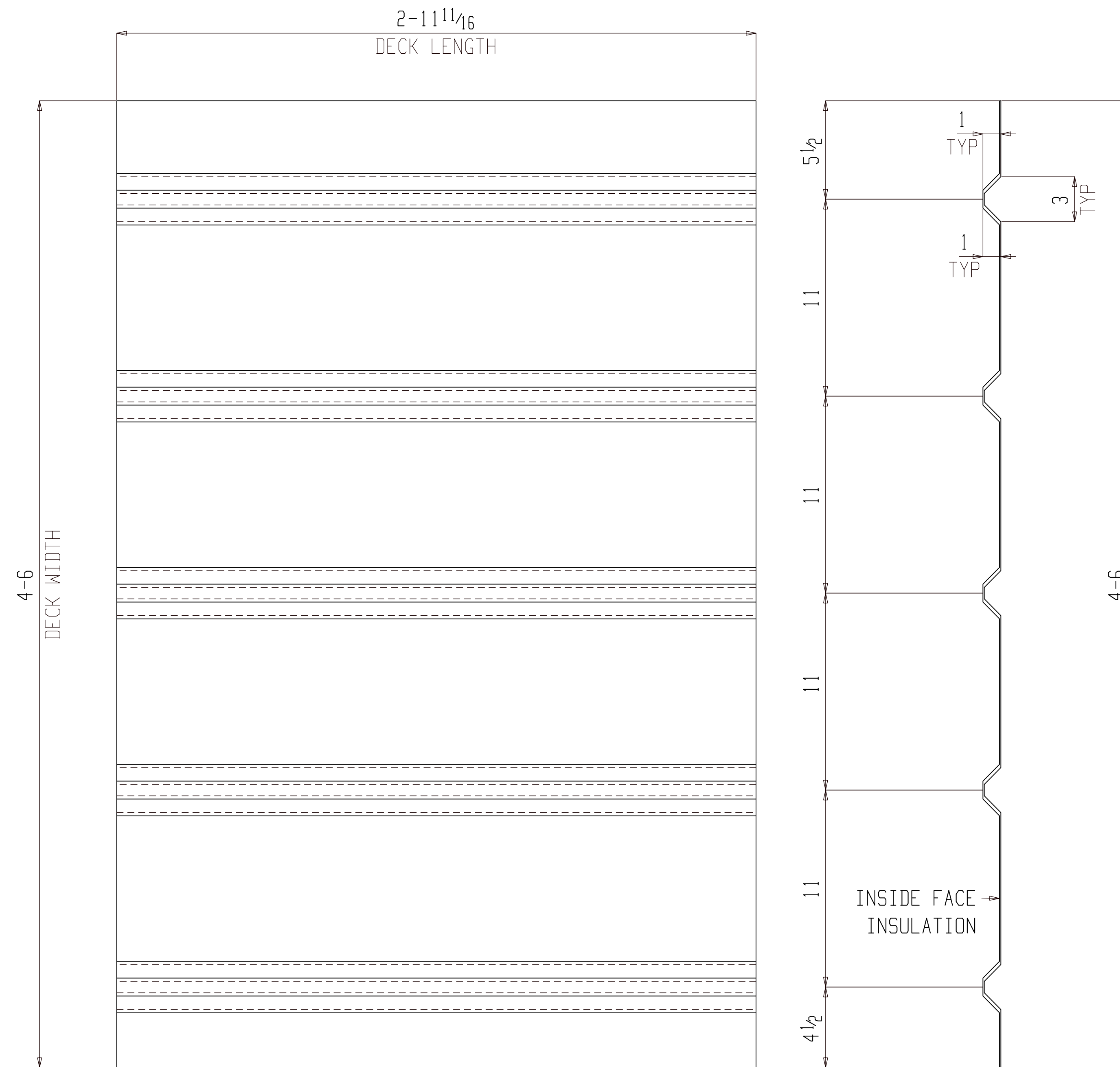
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M169		ONE	CORRUGATED PLATE				51
	M169	1	PL 14GAx55	3-7 ¹⁵ / ₁₆			51

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M169
REV.	△		



ONE CORRUGATED PLATE M170

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M170		ONE	CORRUGATED PLATE				42
	M170	1	PL14GAx55	2-11 1/16			42

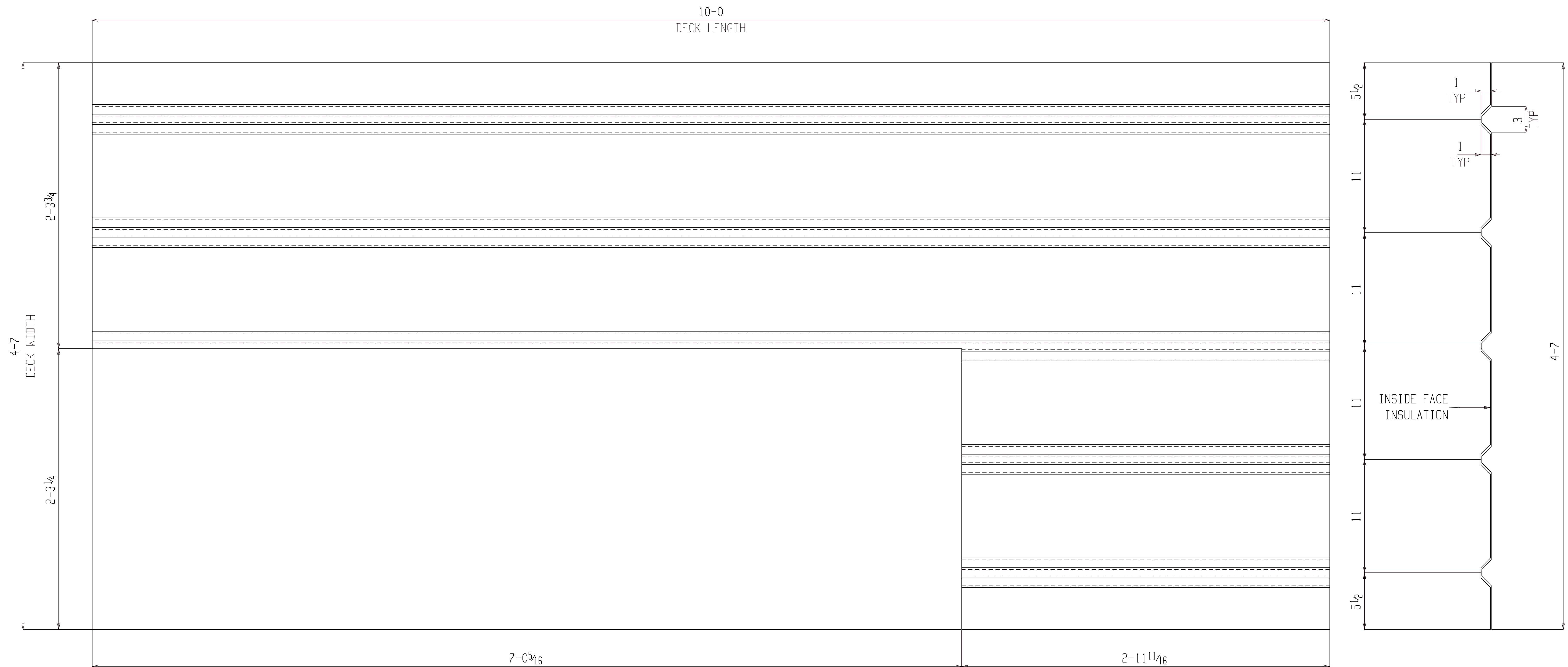
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M170	REV	△



ONE CORRUGATED PLATE M171

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M171		ONE	CORRUGATED PLATE				140
	M171	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

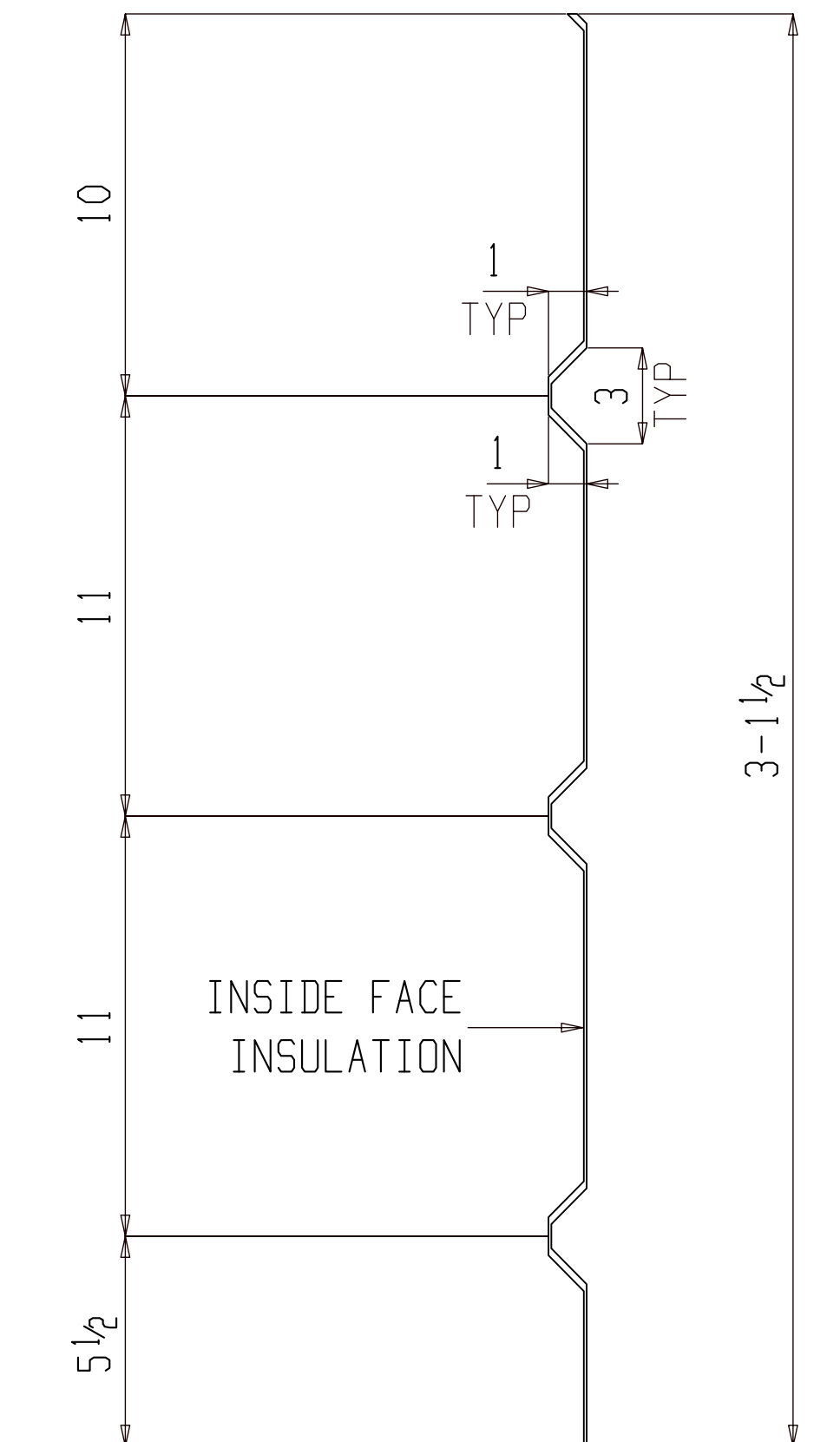
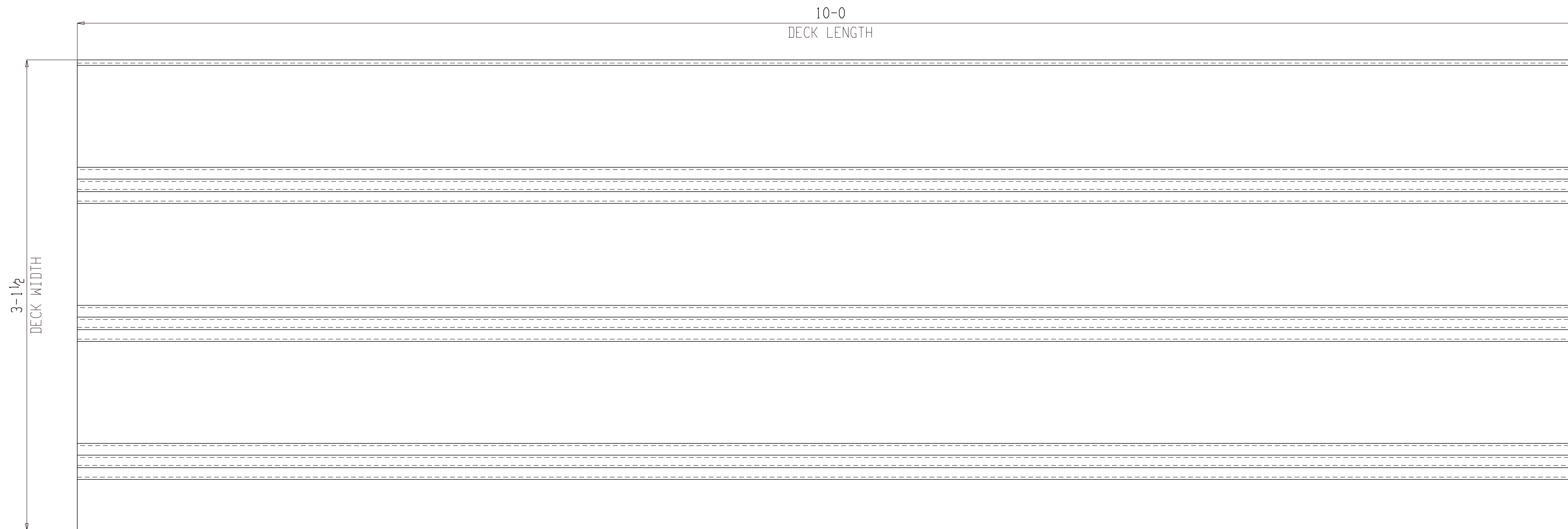
SHOP NOTES:

REF. DWG/SPEC :
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:

JOB NAME: RAMPART POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN
 LOCATION: ALASKA SCALE: N.A.
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22
 DESCRIPTION: MISC. DETAIL JOB NUMBER: 459 SHEET NO.: M171 REV: △



ONE CORRUGATED PLATE M172

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

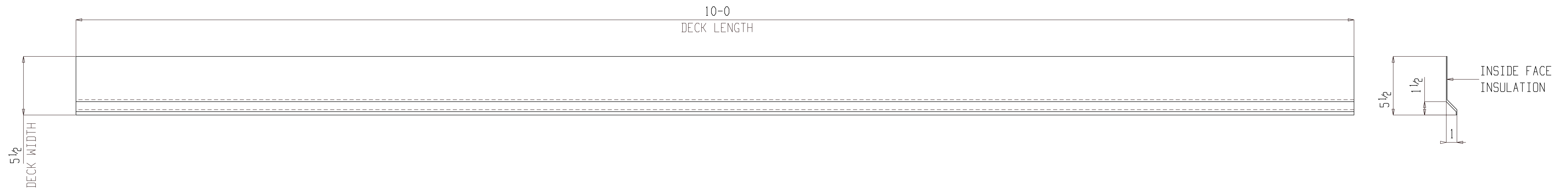
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M172		ONE	CORRUGATED PLATE				140
	M172	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M172
REV	△		



ONE CORRUGATED PLATE M173

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

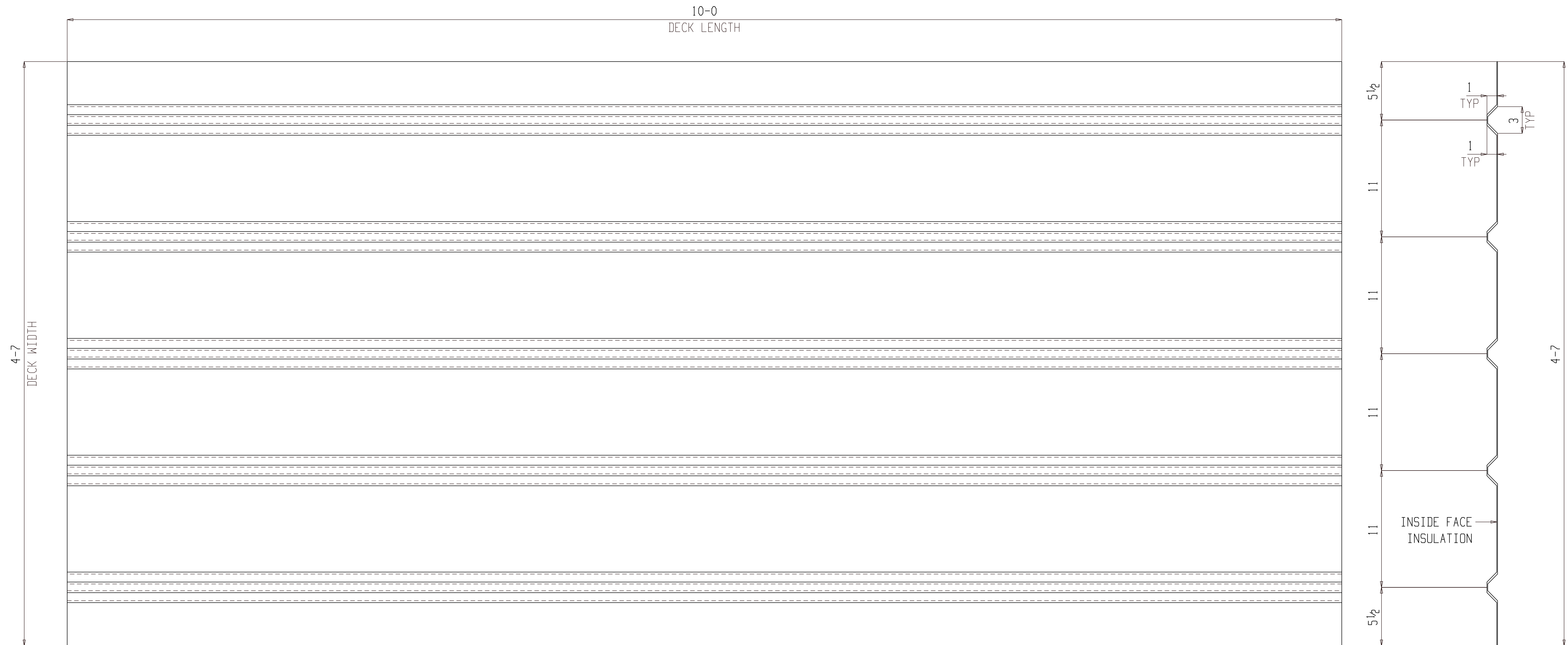
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M173		ONE	CORRUGATED PLATE				140
	M173	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M173
REV	△		



ONE CORRUGATED PLATE M174

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

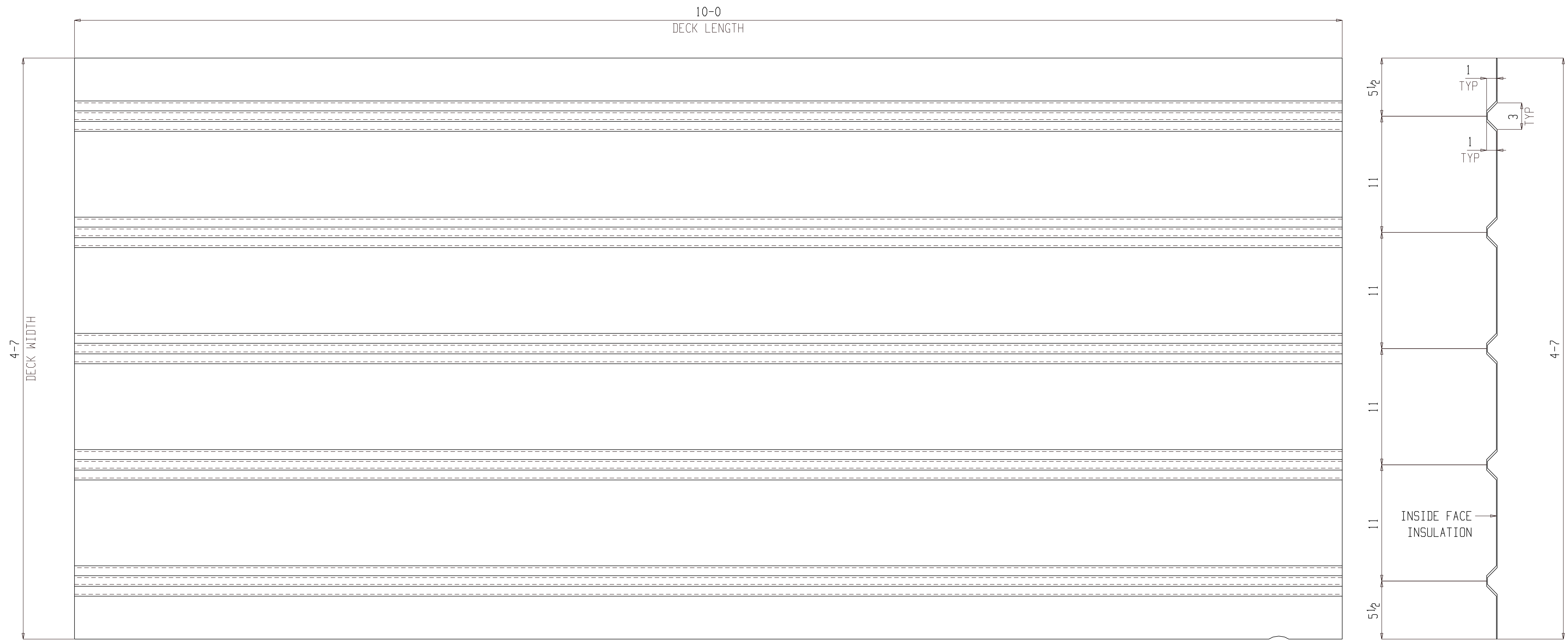
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M174		ONE	CORRUGATED PLATE				140
	M174	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M174
		REV	△



ONE CORRUGATED PLATE M175

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

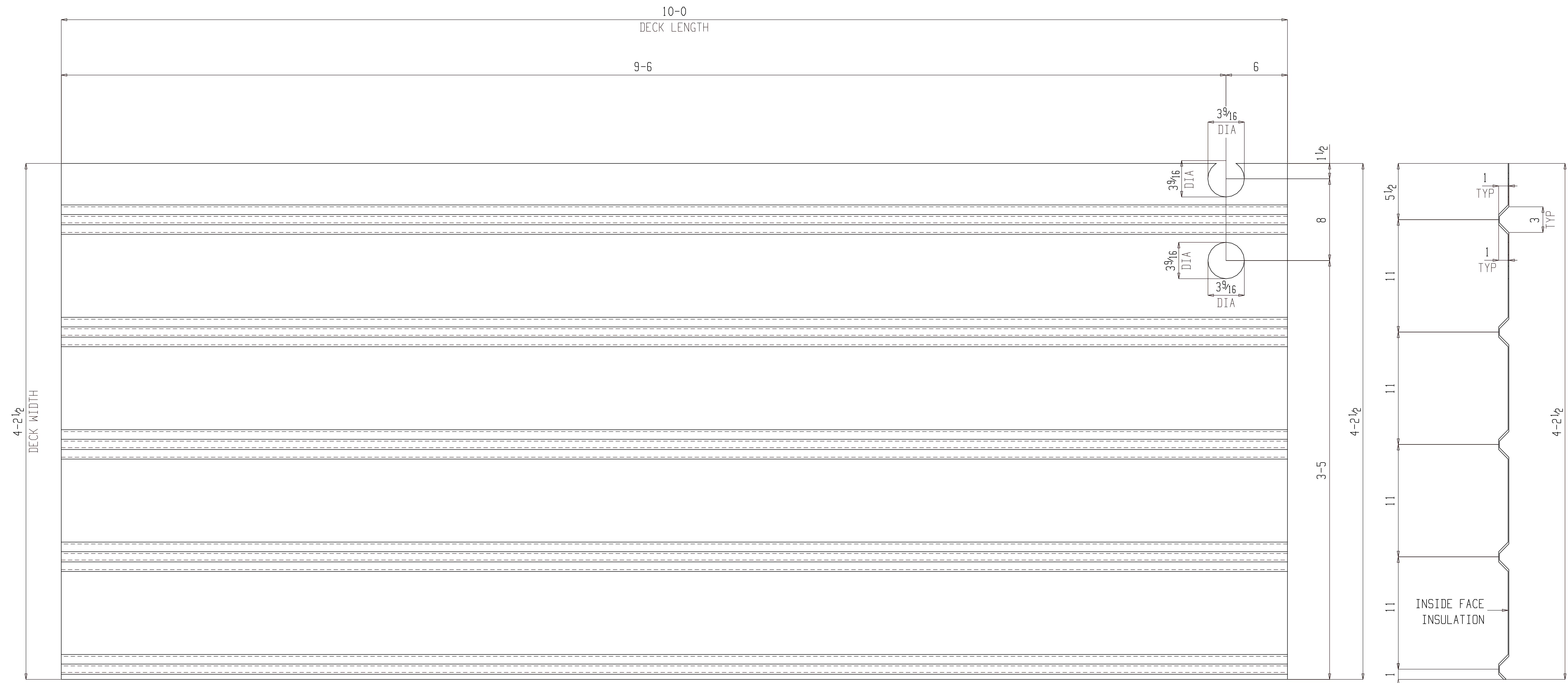
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M175		ONE	CORRUGATED PLATE				140
	M175	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M175
REV.			



ONE CORRUGATED PLATE M176

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

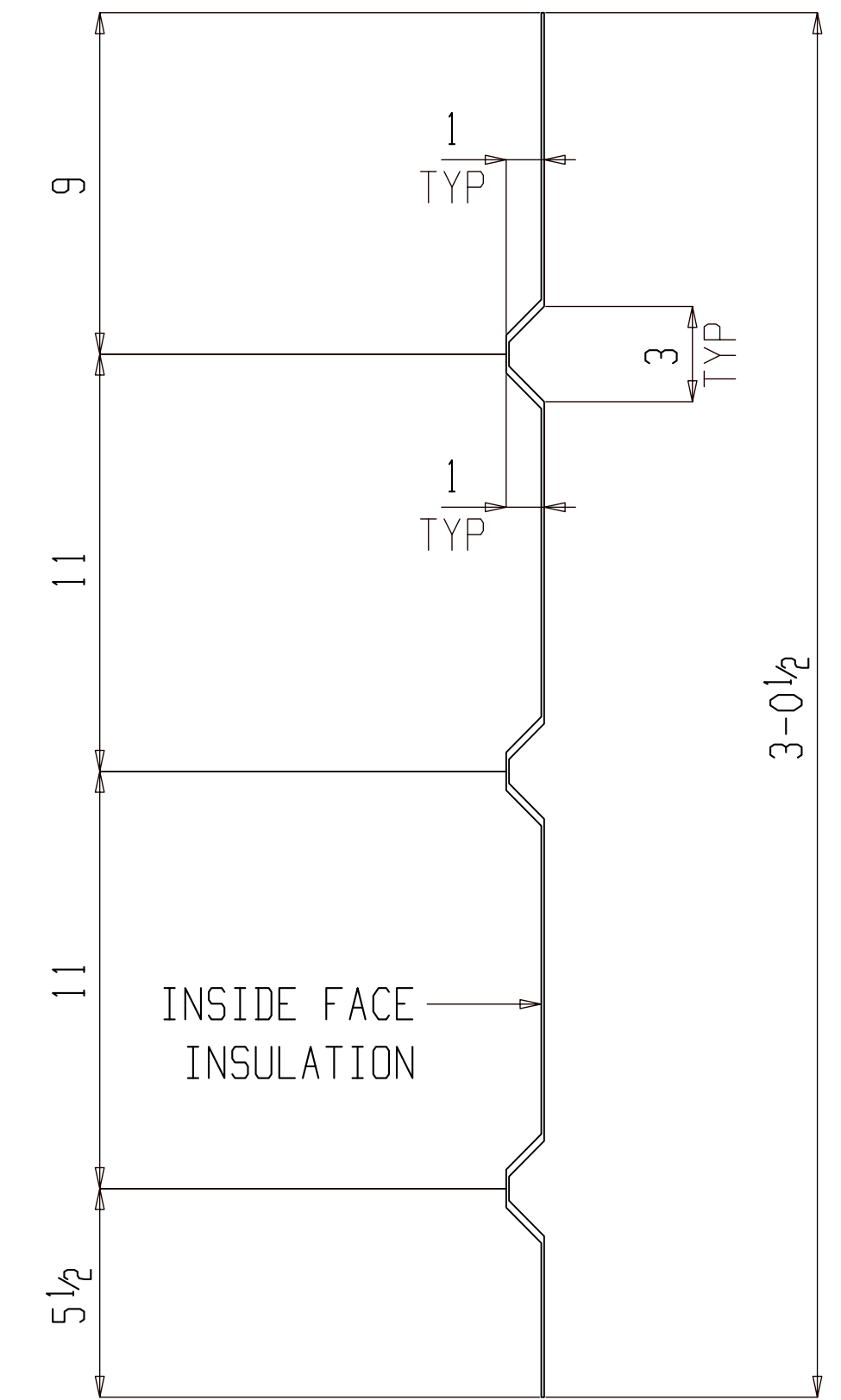
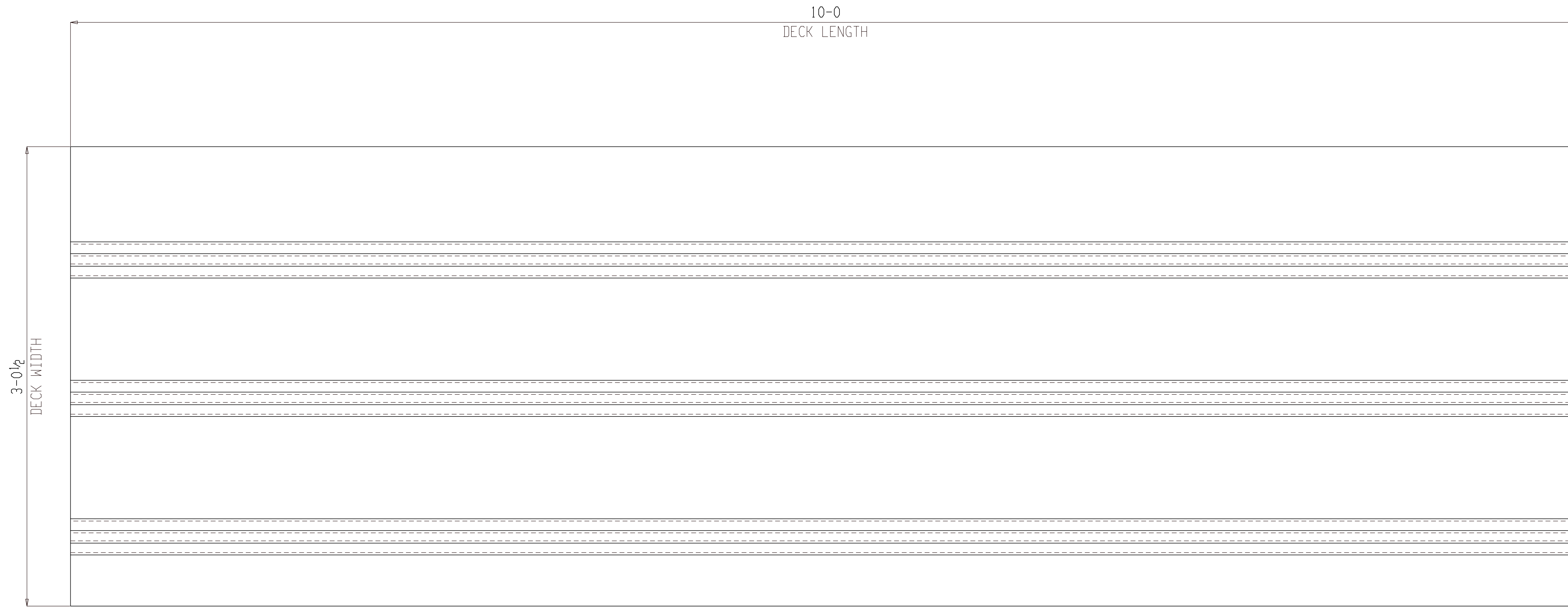
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M176		ONE	CORRUGATED PLATE				140
	M176	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M176
REV.	△		



ONE CORRUGATED PLATE M177

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

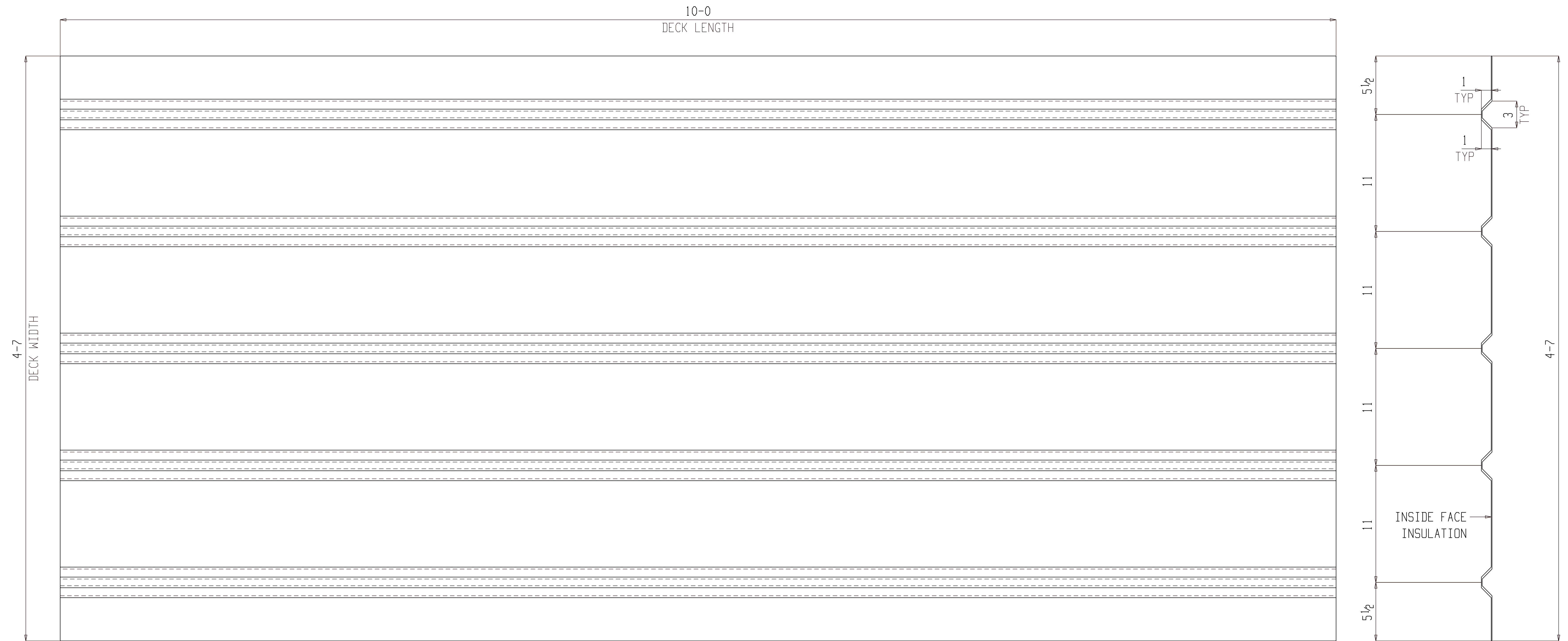
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M177		ONE	CORRUGATED PLATE				140
	M177	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M177
REV.	△		



3 CORRUGATED PLATES M178

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

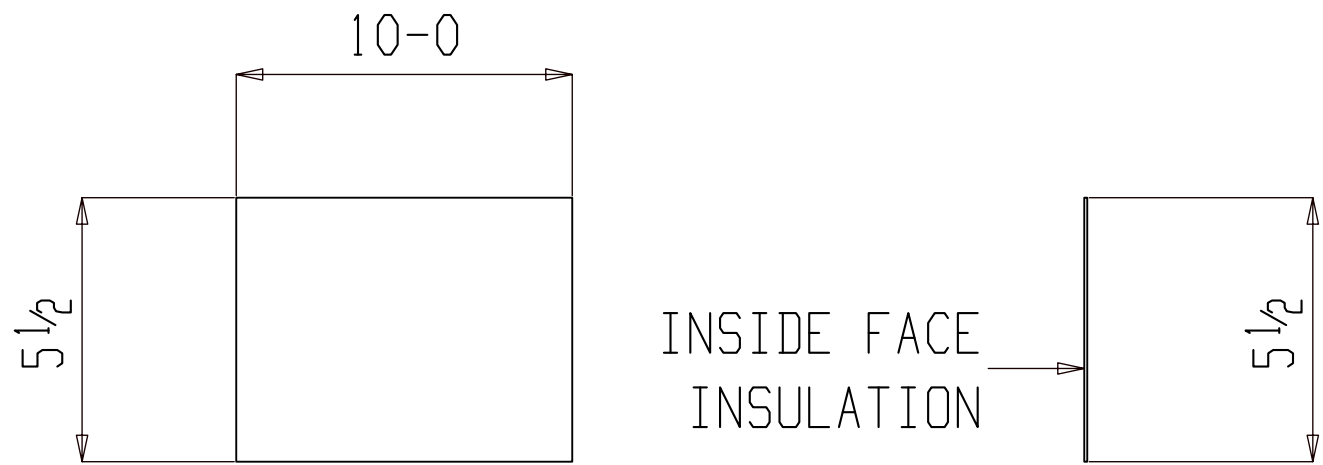
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M178		3	CORRUGATED PLATE				419
	M178	3	PL 14GAx55	10-0			419

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL	JOB NUMBER: 459	SHEET NO.: M178	REV: △



ONE MISC M179

(ASSEMBLY REFER: AS101)

NO PAINT

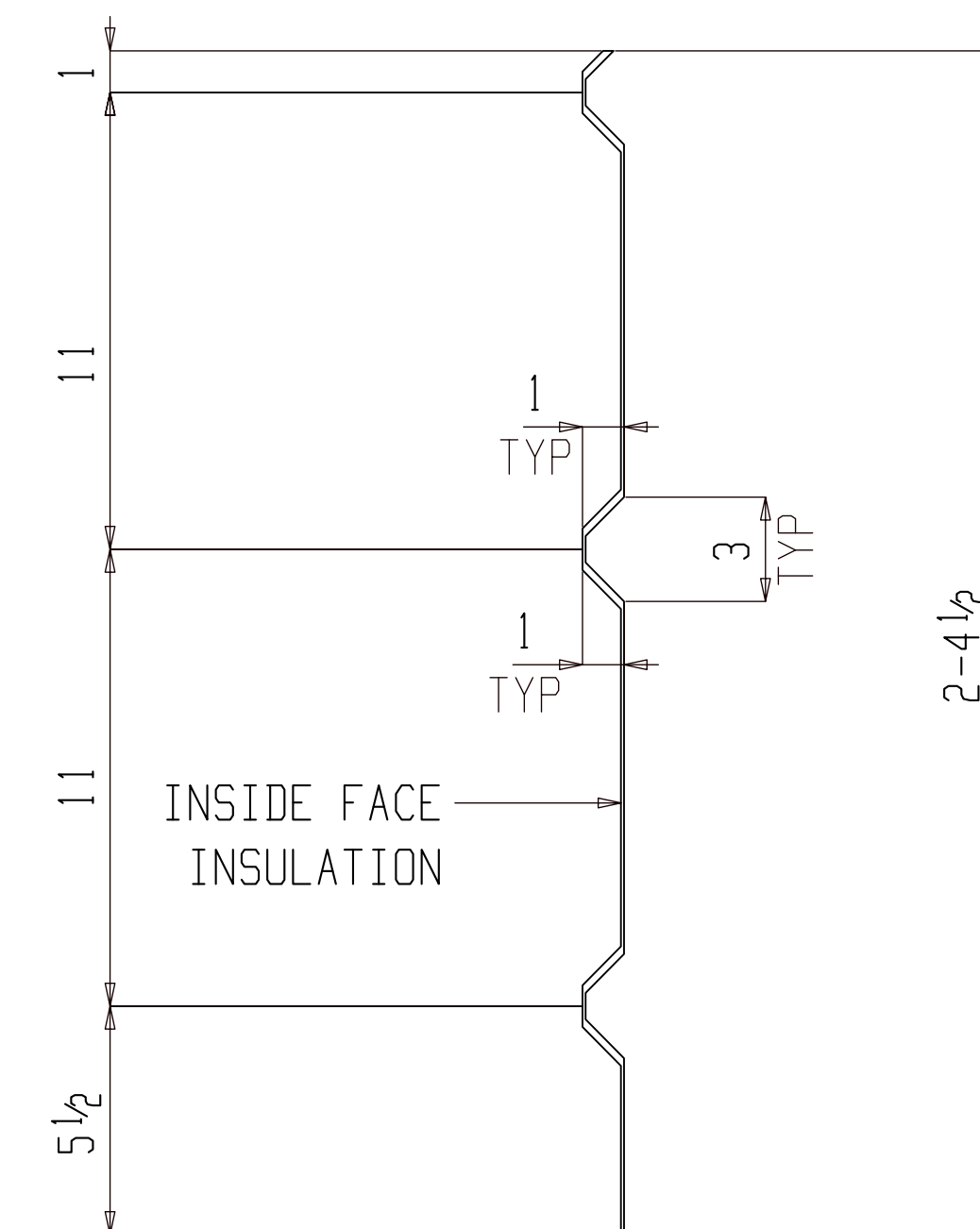
FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M179		ONE	MISC				14
	M179	1	PL14GAx5 1/2	10-0			14

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-18-22
△	For Re-Approval			ALN	07-04-22
△	For Approval			ALN	06-20-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM
LOCATION:	ALASKA			CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY			SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL			DATE:	05-26-22
	JOB NUMBER	SHEET NO.	REV		
	459	M179	△		



ONE CORRUGATED PLATE M180

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

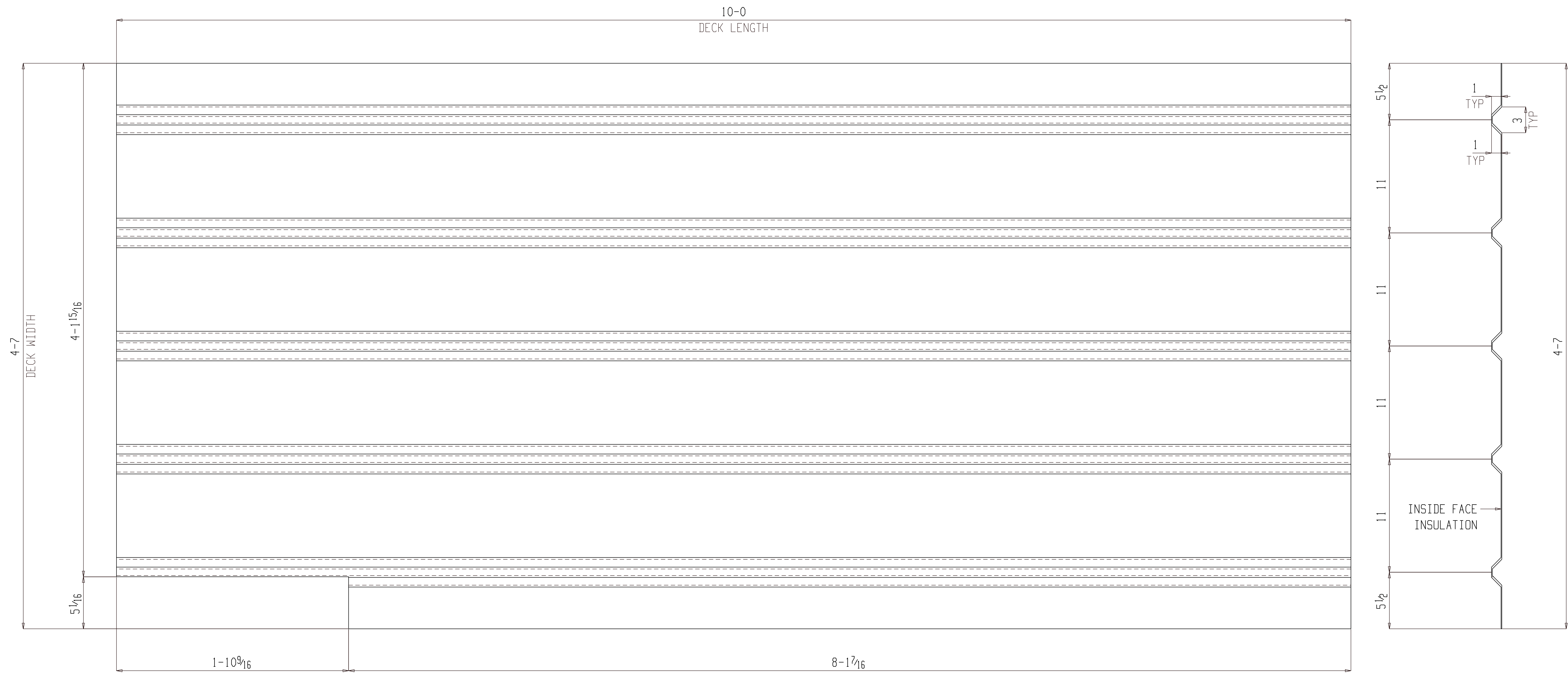
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M180		ONE	CORRUGATED PLATE				140
	M180	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M180
REV.	△		



ONE CORRUGATED PLATE M181

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

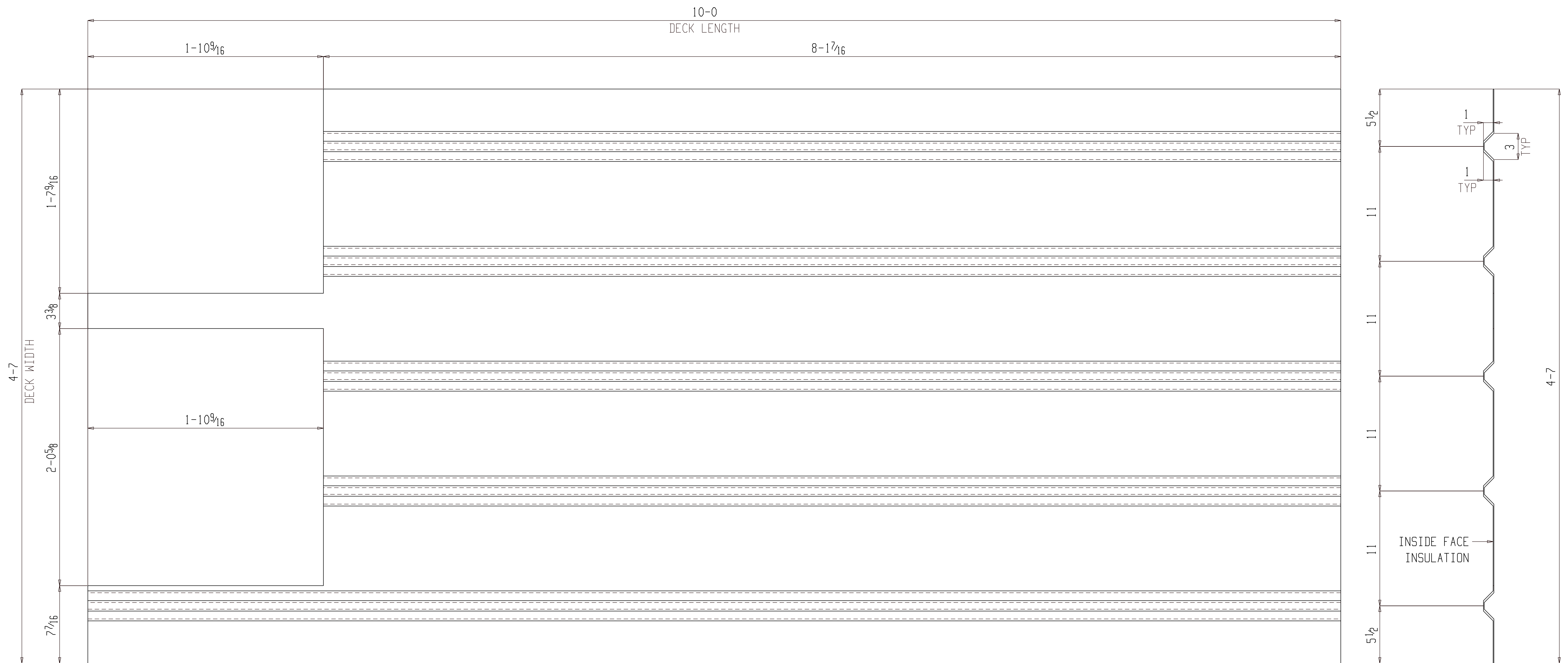
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M181		ONE	CORRUGATED PLATE				140
	M181	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M181
		REV	△



ONE CORRUGATED PLATE M182

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

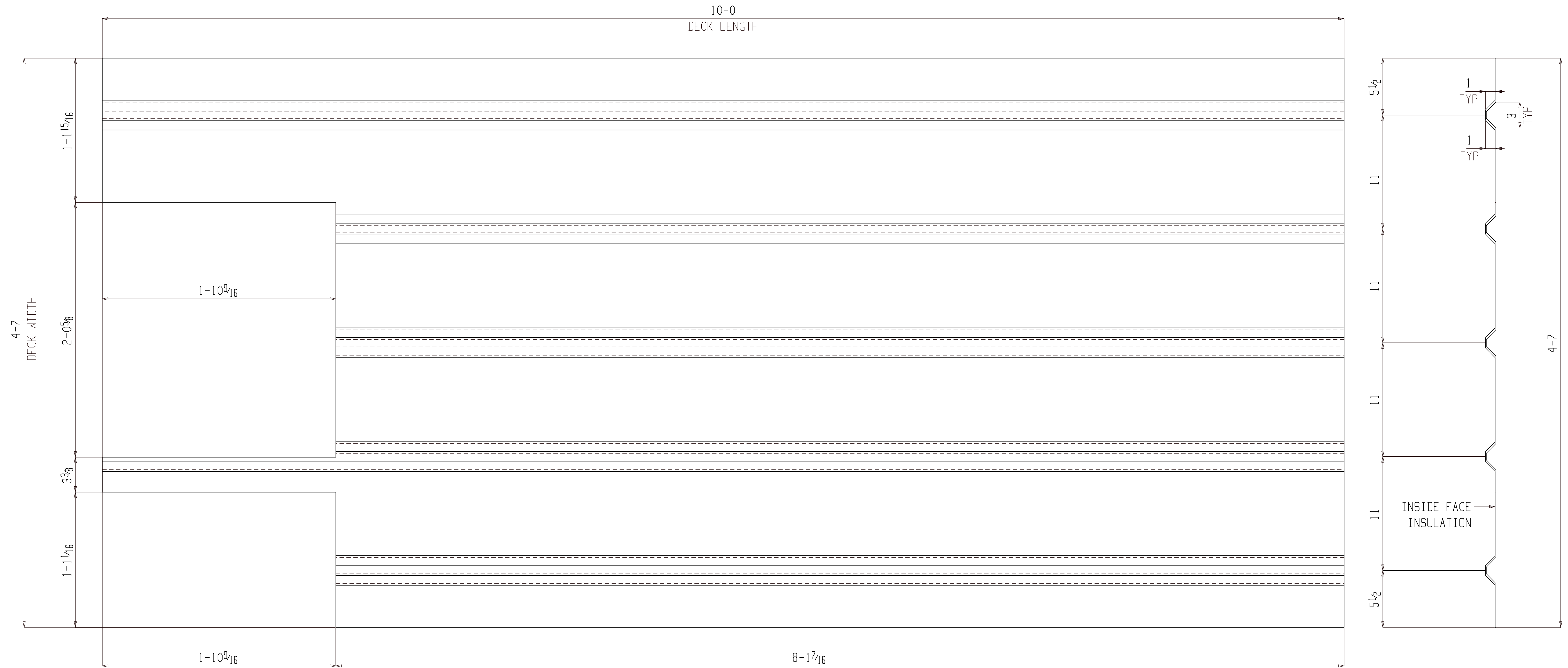
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M182		ONE	CORRUGATED PLATE				140
	M182	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M182
		REV	△



ONE CORRUGATED PLATE M183

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

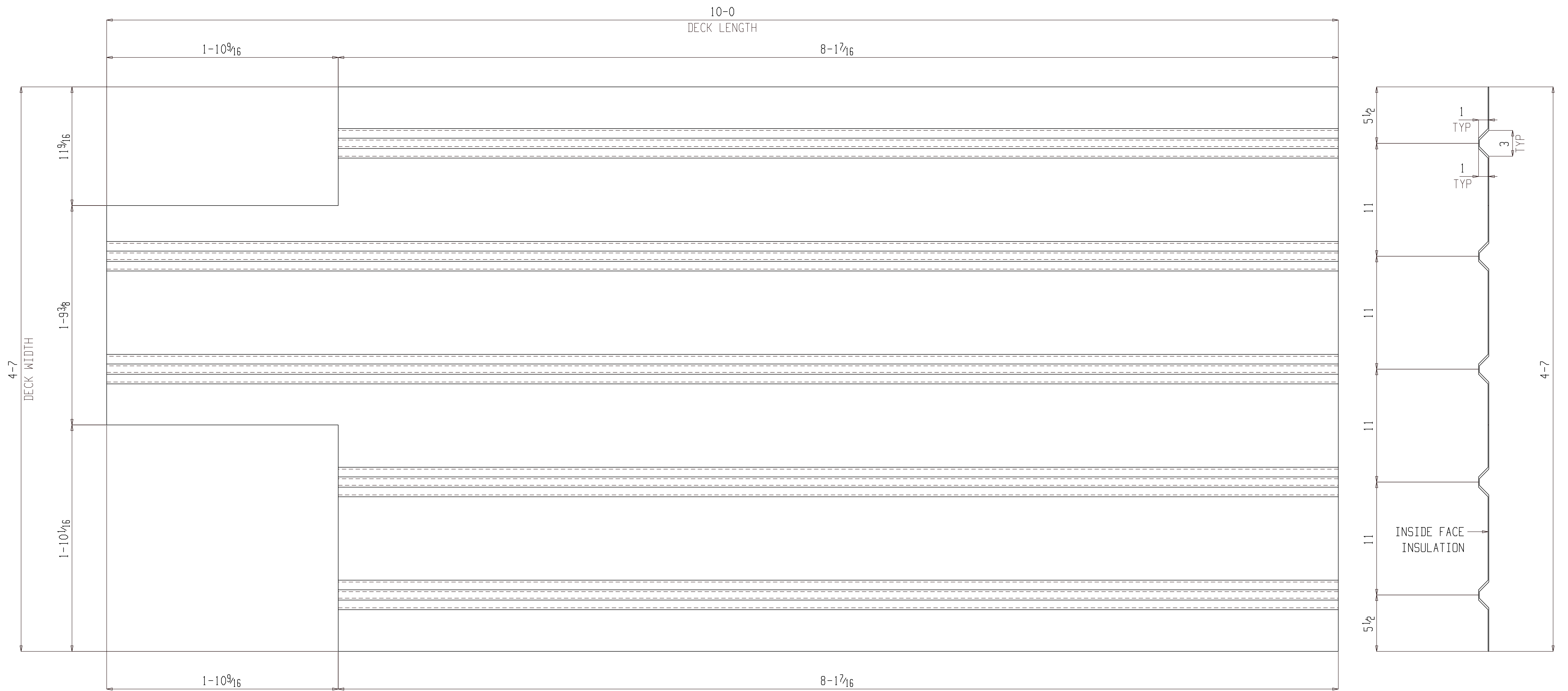
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M183		ONE	CORRUGATED PLATE				140
	M183	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M183
REV.	△		



ONE CORRUGATED PLATE M184

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

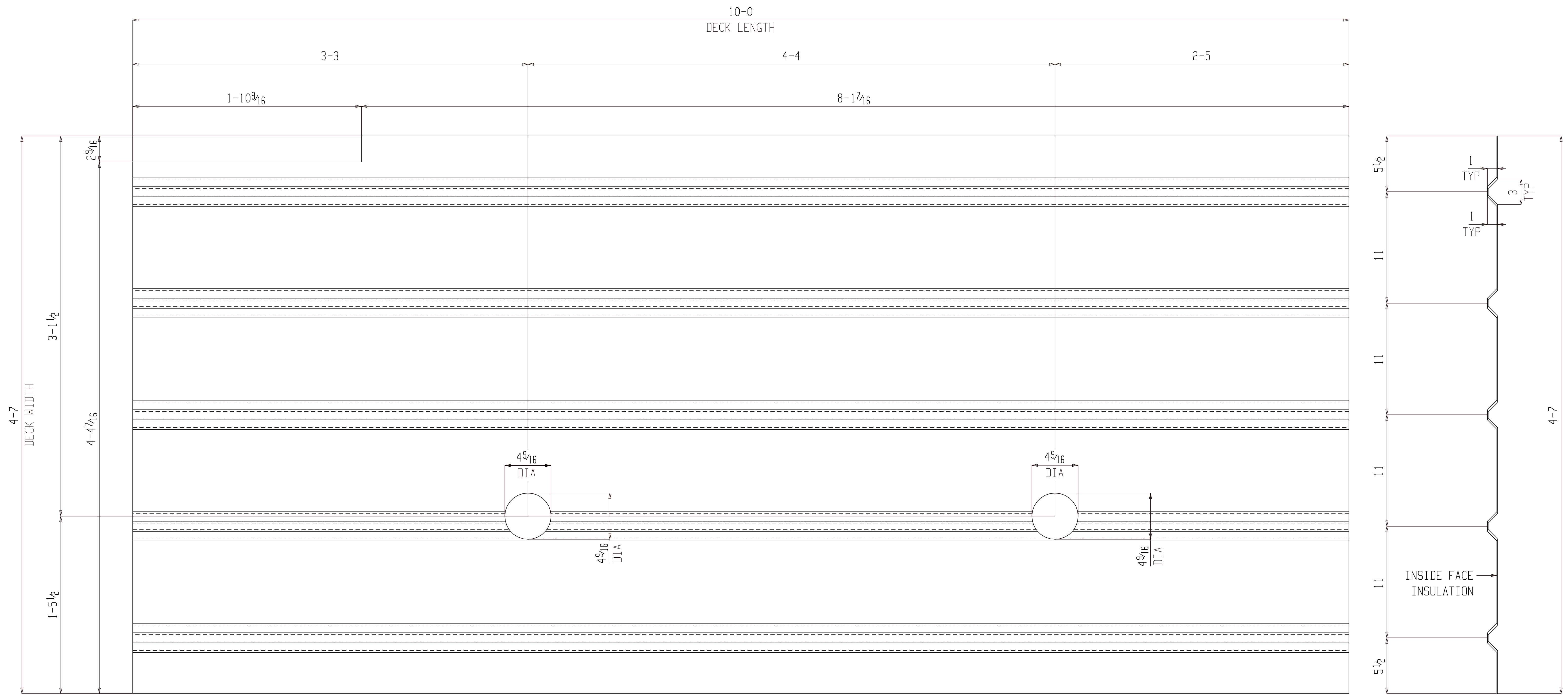
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M184		ONE	CORRUGATED PLATE				140
	M184	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M184
REV.	△		



ONE CORRUGATED PLATE M185

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

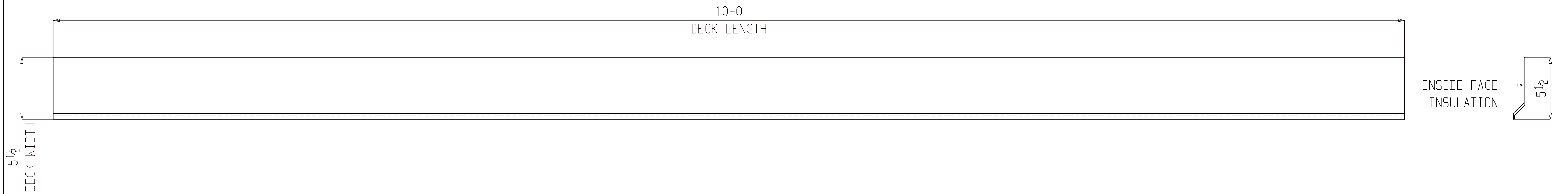
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M185		ONE	CORRUGATED PLATE				140
	M185	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER	459	SHEET NO.	M185
REV			



ONE CORRUGATED PLATE M186

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

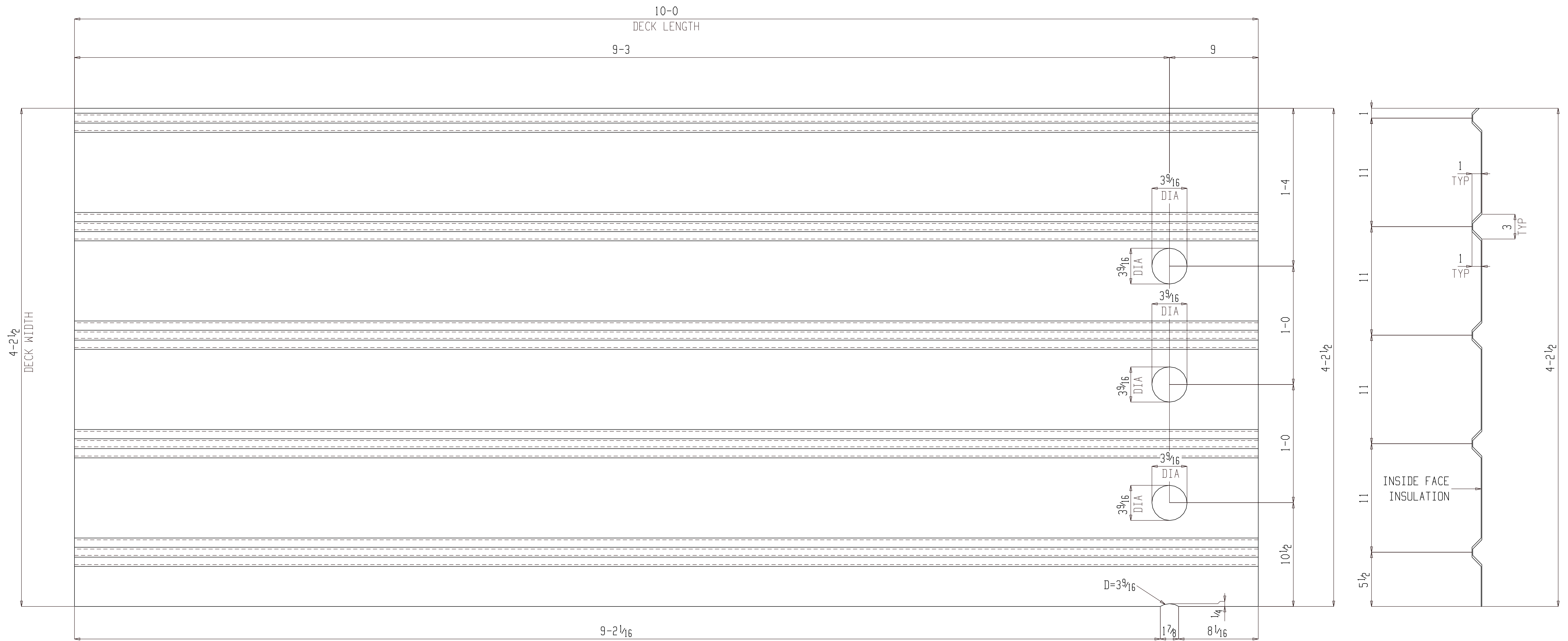
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M186		ONE	CORRUGATED PLATE				140
	M186	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M186
REV.	△		



ONE CORRUGATED PLATE M187

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

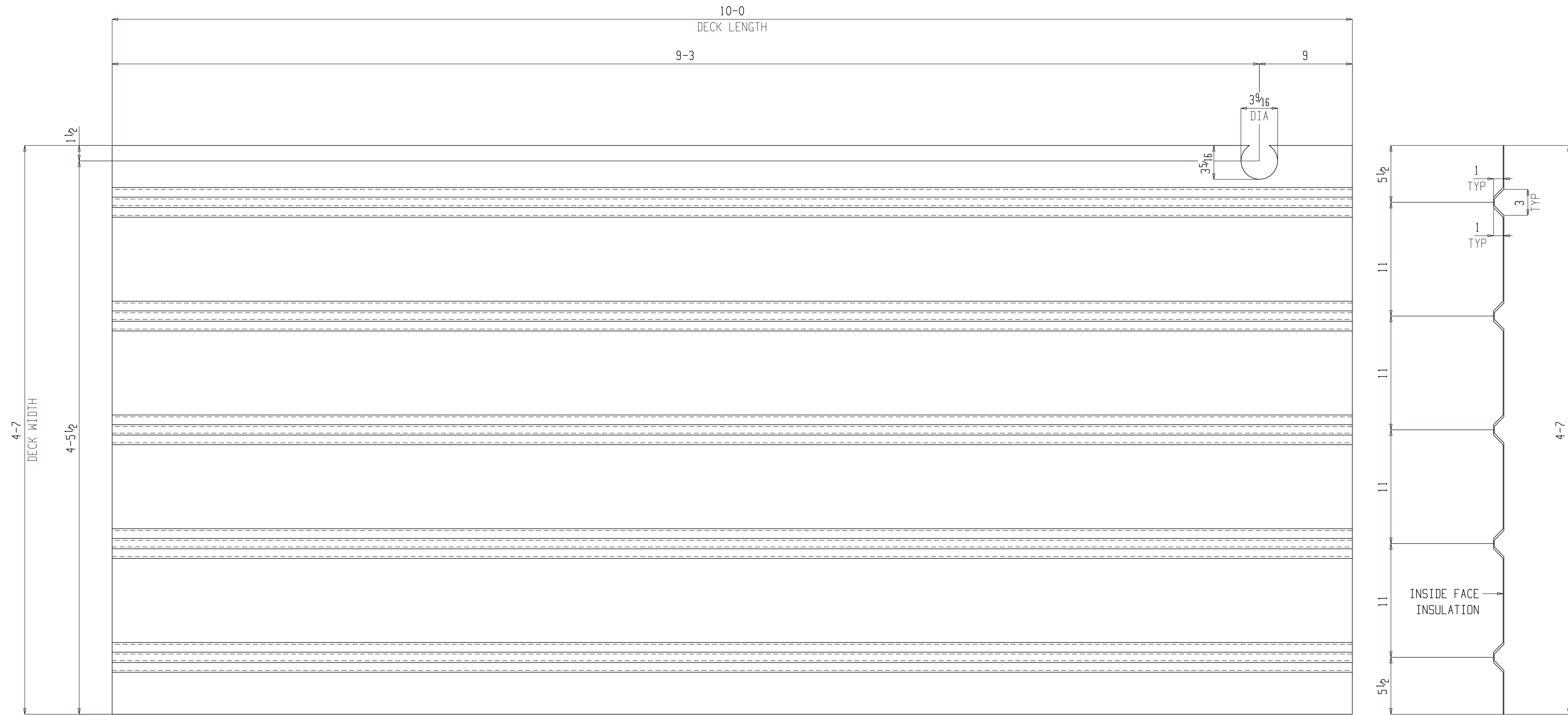
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M187		ONE	CORRUGATED PLATE				140
	M187	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M187
REV.			



ONE CORRUGATED PLATE M188

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

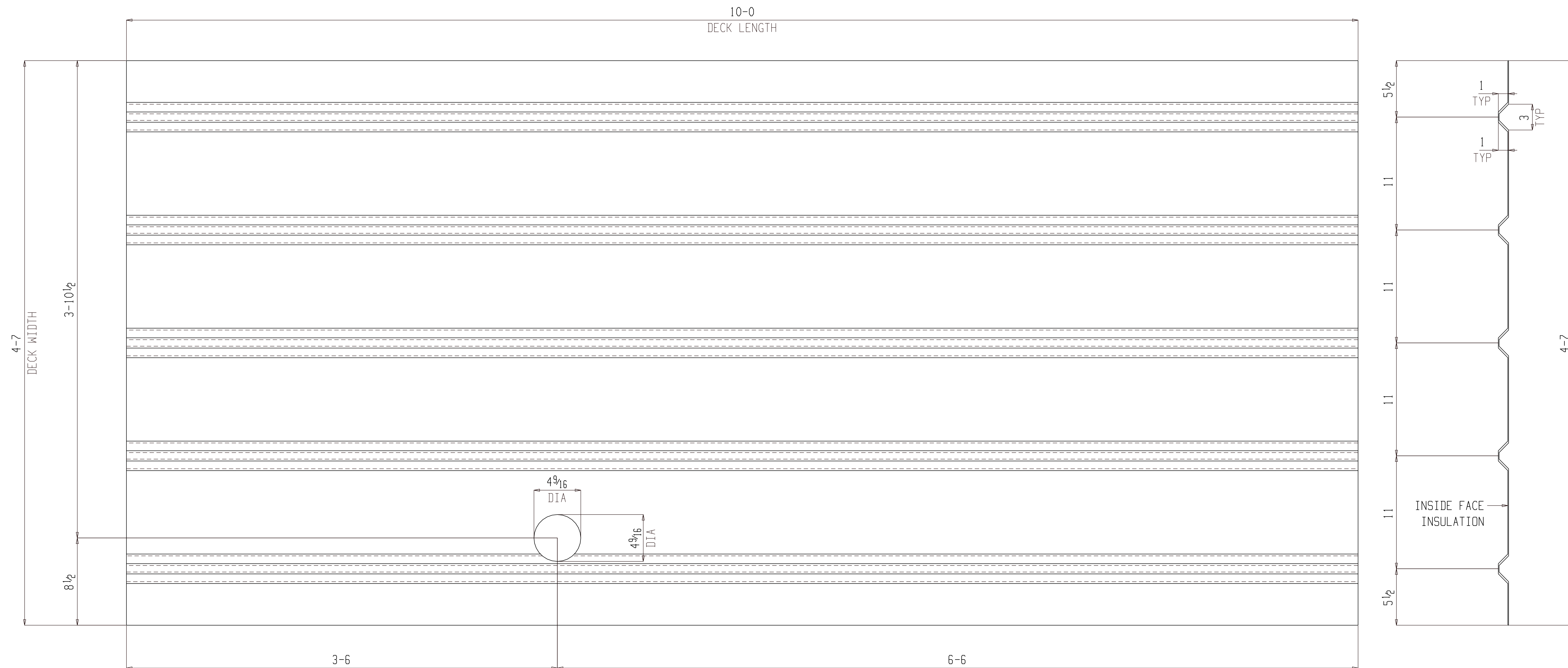
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M188		ONE	CORRUGATED PLATE				140
	M188	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M188
REV.	△		



ONE CORRUGATED PLATE M189

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M189		ONE	CORRUGATED PLATE				140
	M189	1	PL 14GAx55	10-0			140

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

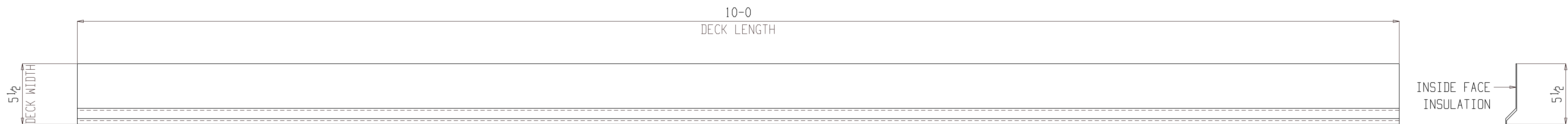
SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN	SCALE:	N.A.
LOCATION:	ALASKA	DATE:	05-26-22	JOB NUMBER:	459	SHEET NO.:	M189
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DESCRIPTION:	MISC. DETAIL	REV	△		



ONE CORRUGATED PLATE M190

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

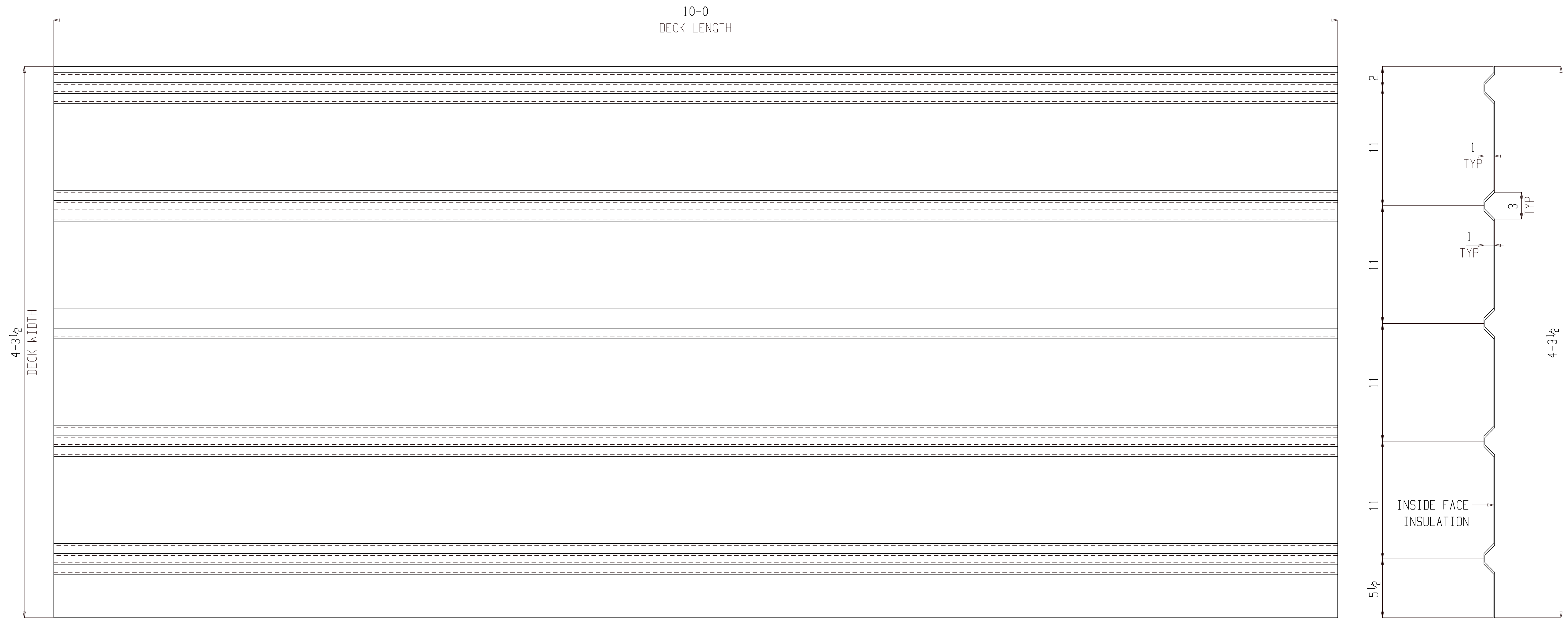
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M190		ONE	CORRUGATED PLATE				140
	M190	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL	JOB NUMBER: 459	SHEET NO. M190	REV. △



ONE CORRUGATED PLATE M191

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

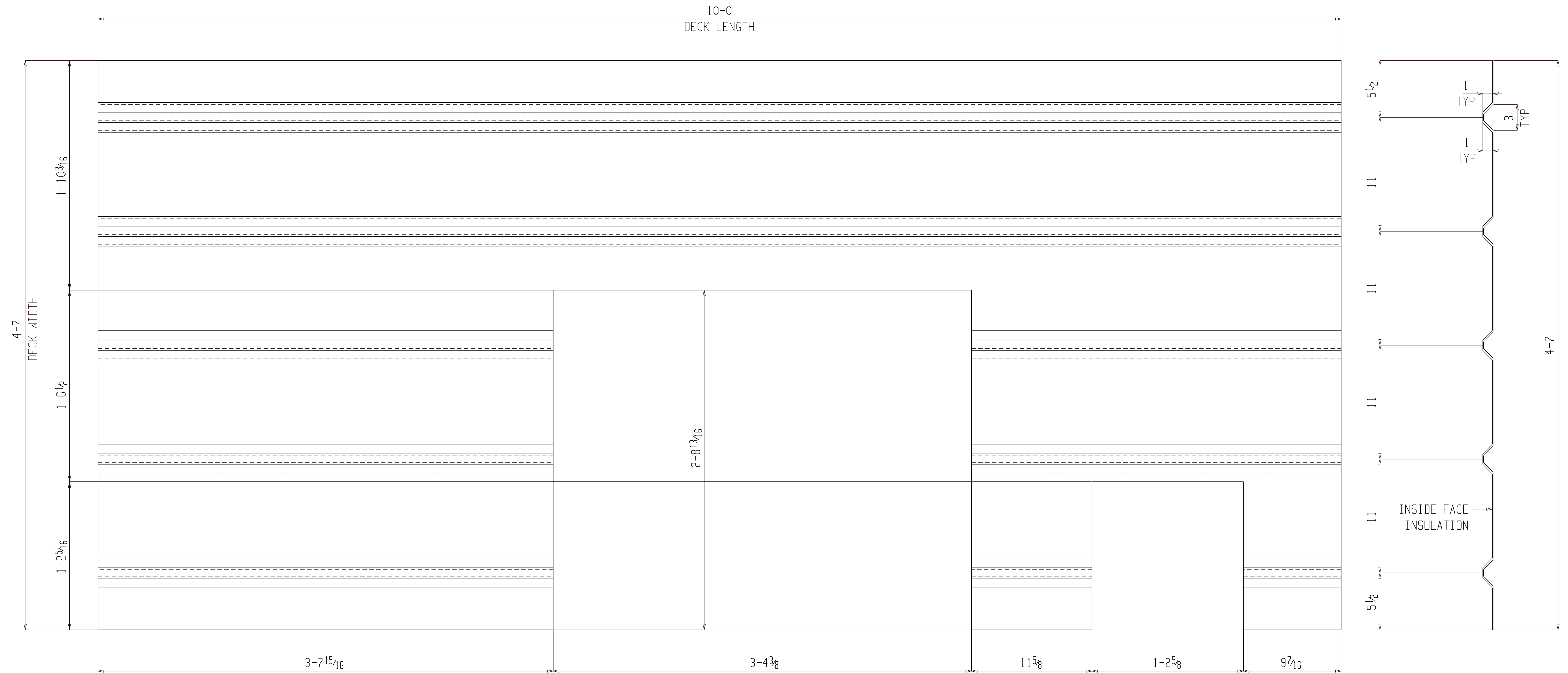
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M191		ONE	CORRUGATED PLATE				140
	M191	1	PL 14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
JOB NUMBER:	459	SHEET NO.:	M191
REV.	△		



ONE CORRUGATED PLATE M192

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

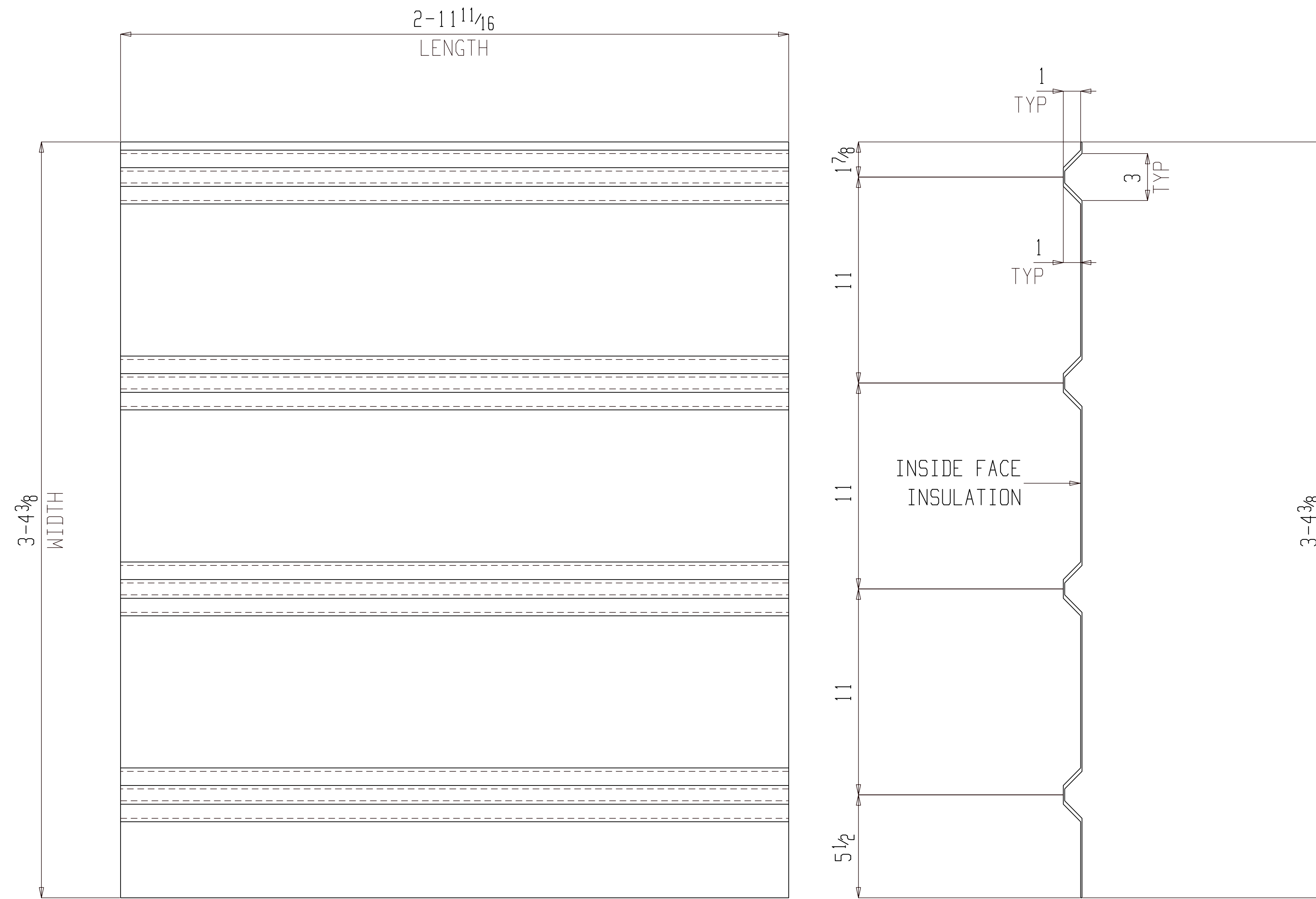
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M192		ONE	CORRUGATED PLATE				140
	M192	1	PL14GAx55	10-0			140

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M192
		REV	△



ONE MISC M193

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

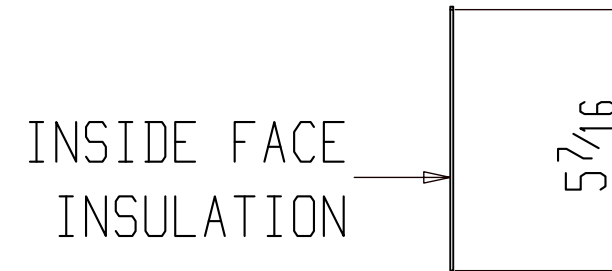
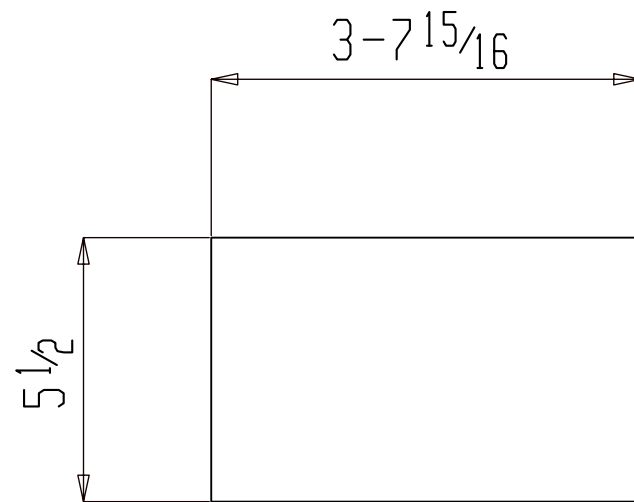
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M193		ONE	MISC				42
	M193	1	PL 14GAx55	2-11 1/16			42

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL	JOB NUMBER: 459	SHEET NO.: M193	REV: △



ONE MISC M194

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

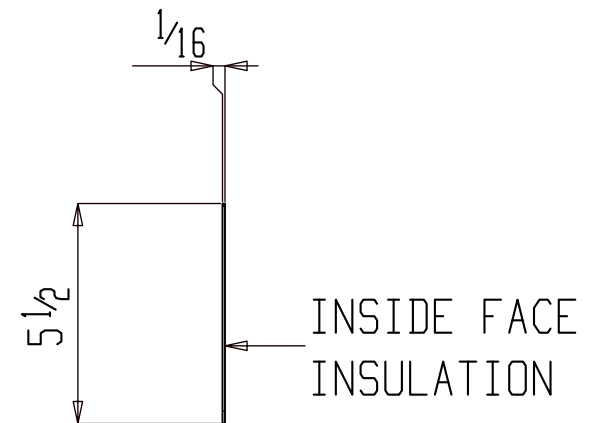
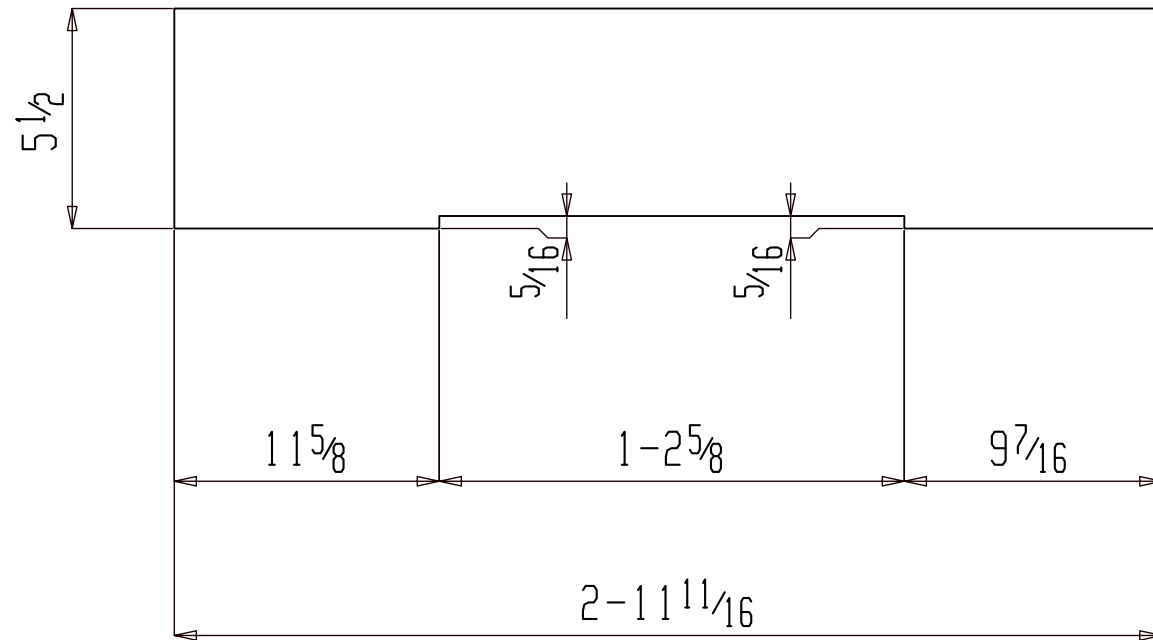
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M194		ONE	MISC				5
	M194	1	PL14GAx5 1/2	3-7 15/16			5

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:		E70XX	CLEANING:
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M194
		REV	△



ONE MISC M195

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

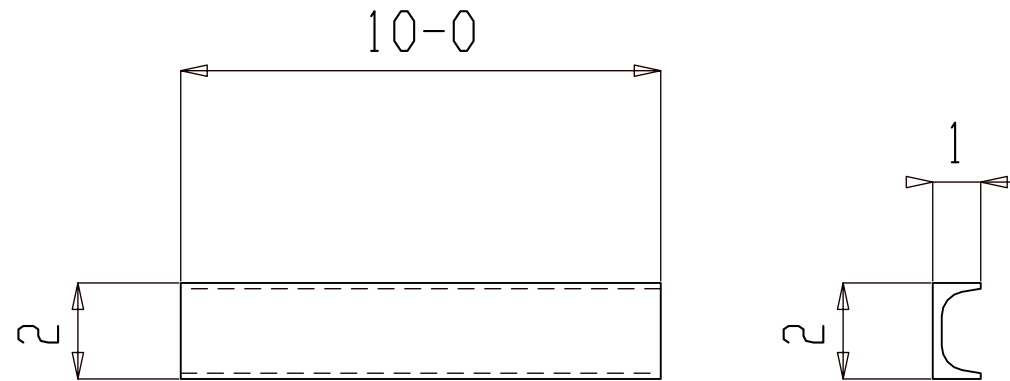
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M195		ONE	MISC				4
	M195	1	PL14GAx5 1/2	2-11 11/16			4

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M195	REV	△



49 MISCS M197

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

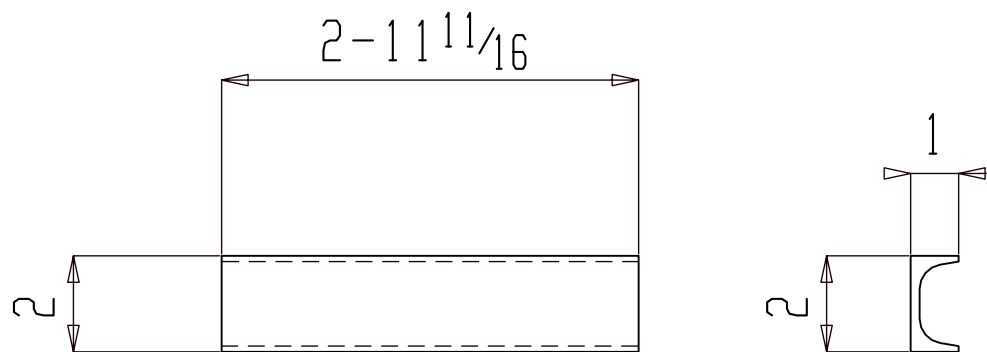
SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M197		49	MISC				1259
	M197	49	C2x1x3/16	10-0		A36	1259

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M197	REV	△



9 MISCS M199

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

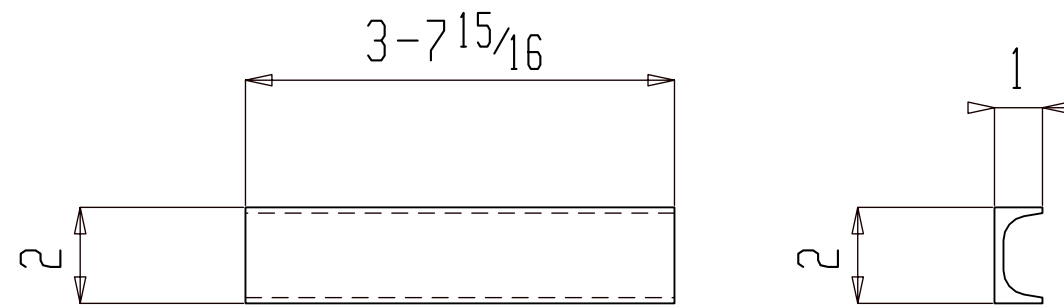
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M199		9	MISC				69
	M199	9	C2x1x3/16	2-11 1/16		A36	69

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M199
			REV △



2 MISCS M200

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

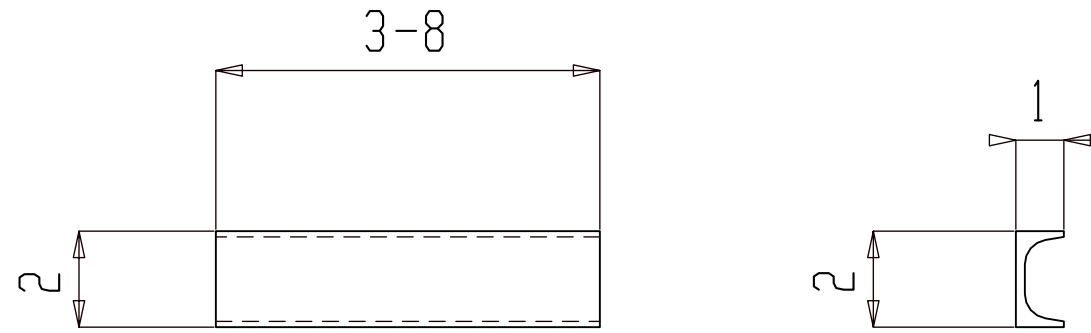
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M200		2	MISC				19
	M200	2	C2x1x3/16	3-7 15/16		A36	19

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M200
			REV △



2 MISCS M201

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

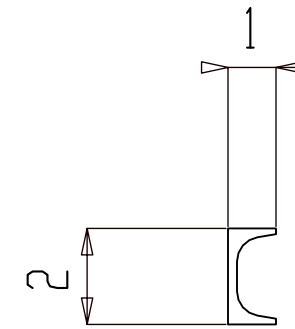
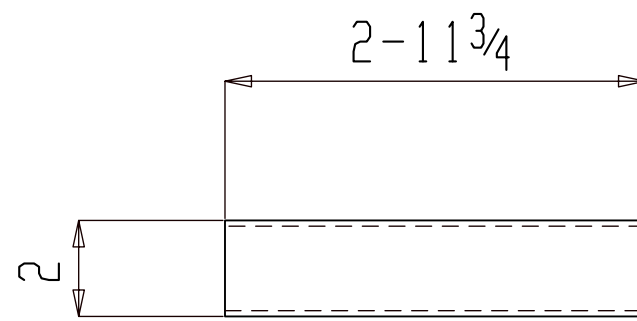
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M201		2	MISC				19
	M201	2	C2x1x $\frac{3}{16}$	3-8		A36	19

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER 459	SHEET NO. M201
			REV △



3 MISCS M202

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

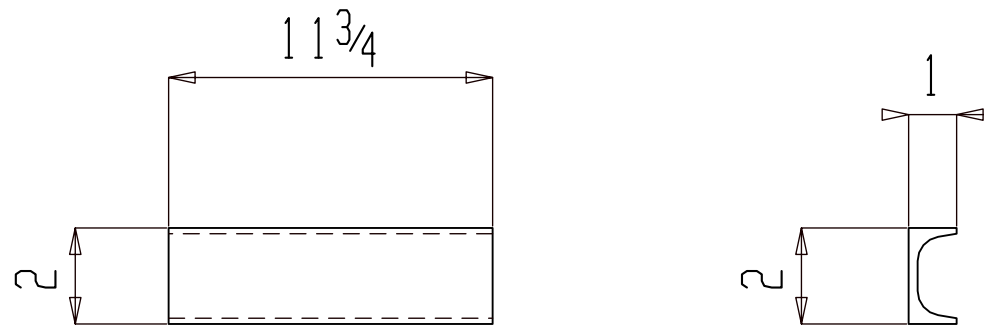
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M202		3	MISC				23
	M202	3	C2x1x3/16	2-11 3/4		A36	23

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:		E70XX	CLEANING:
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M202
		REV	△



ONE MISC M203

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

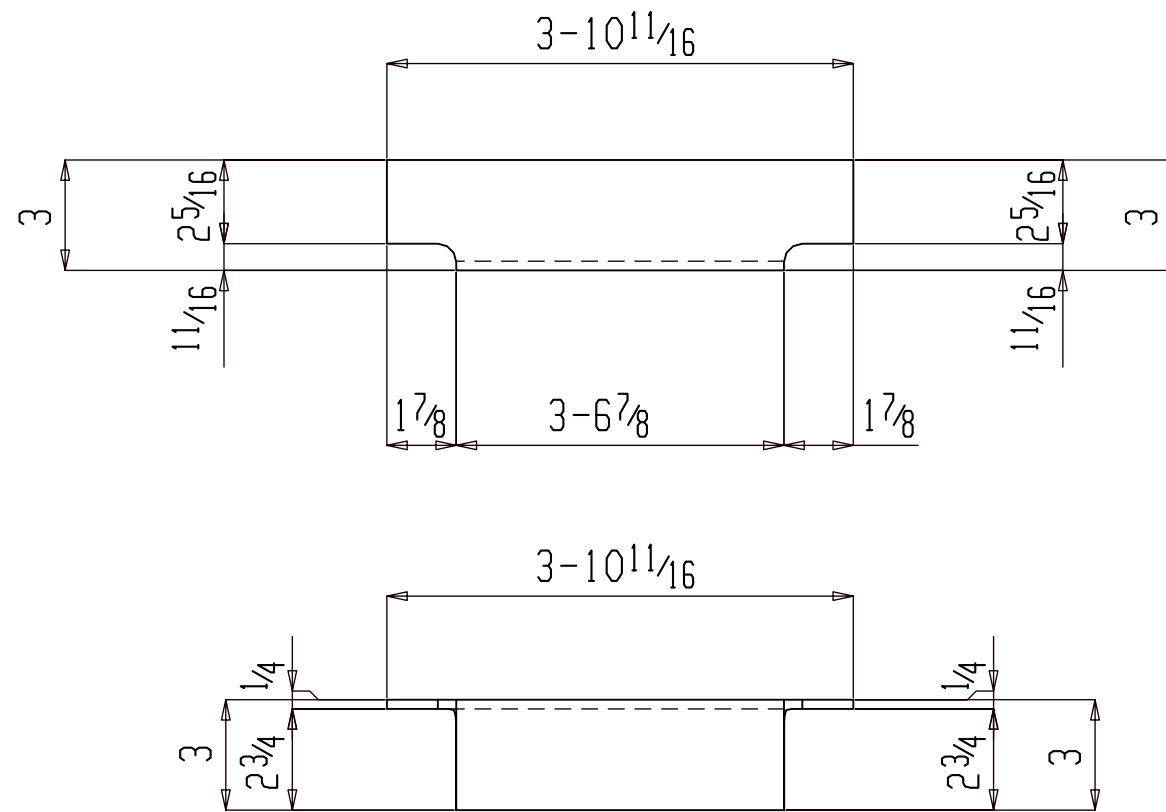
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M203		ONE	MISC				3
	M203	1	C2x1x3/16	11 3/4		A36	3

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M203
			REV △



8 MISCS M207

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

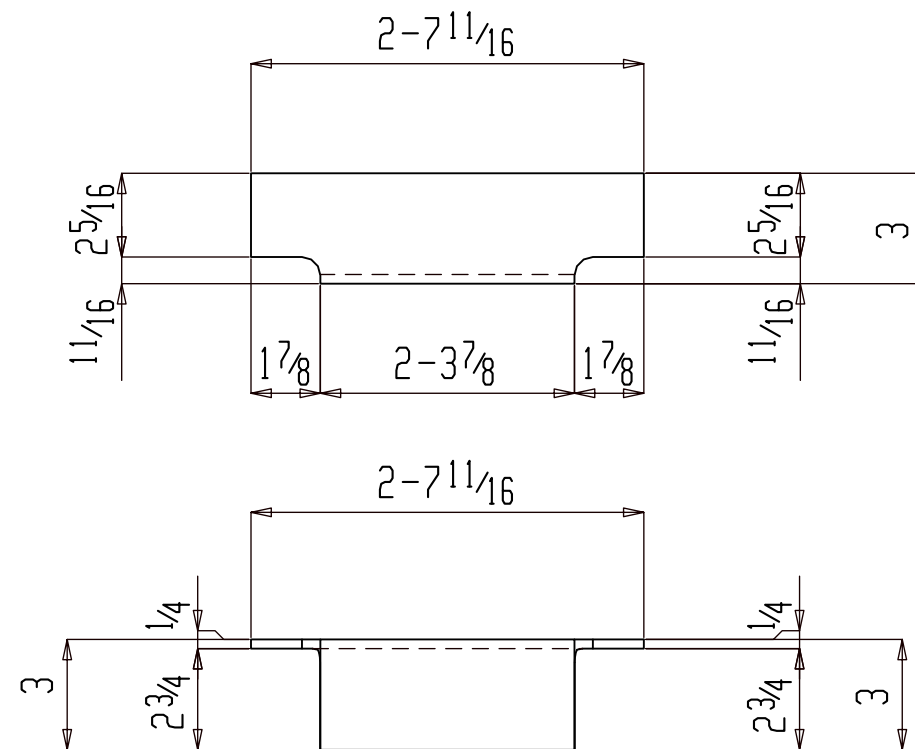
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M207		8	MISC				152
	M207	8	L3x3x1/4	3-10 ^{11/16}		A36	152

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M207	REV	△



8 MISCS M208

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

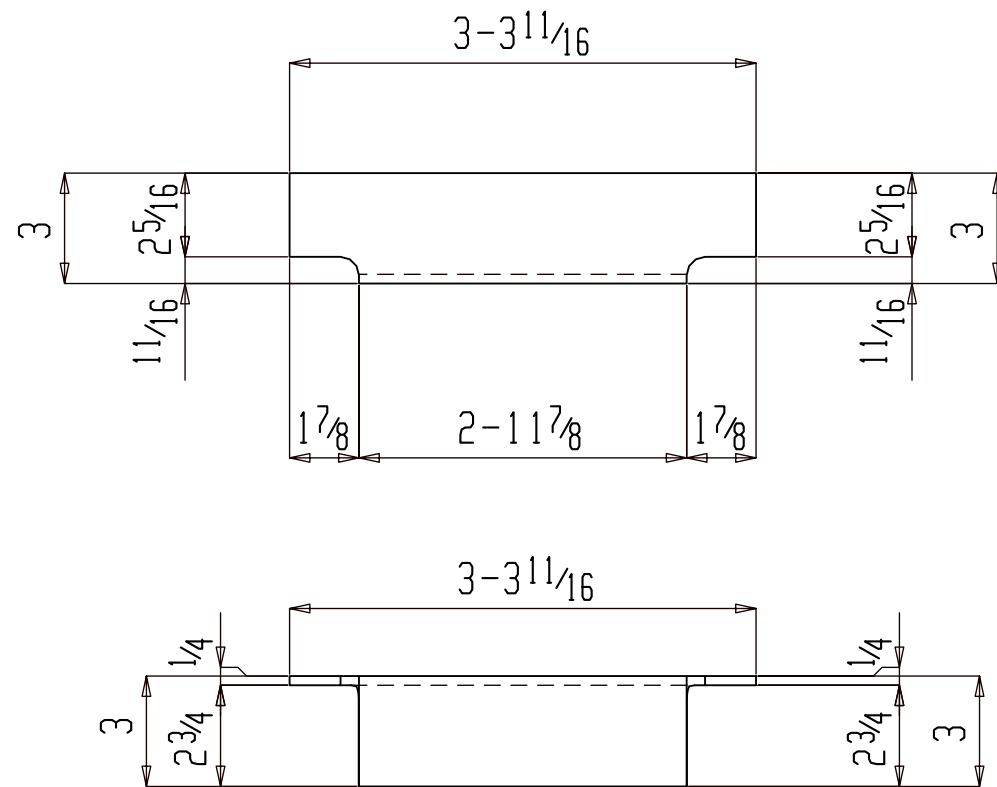
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M208		8	MISC				103
	M208	8	L3x3x1/4	2-7 11/16		A36	103

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M208	REV	△



8 MISCS M209

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

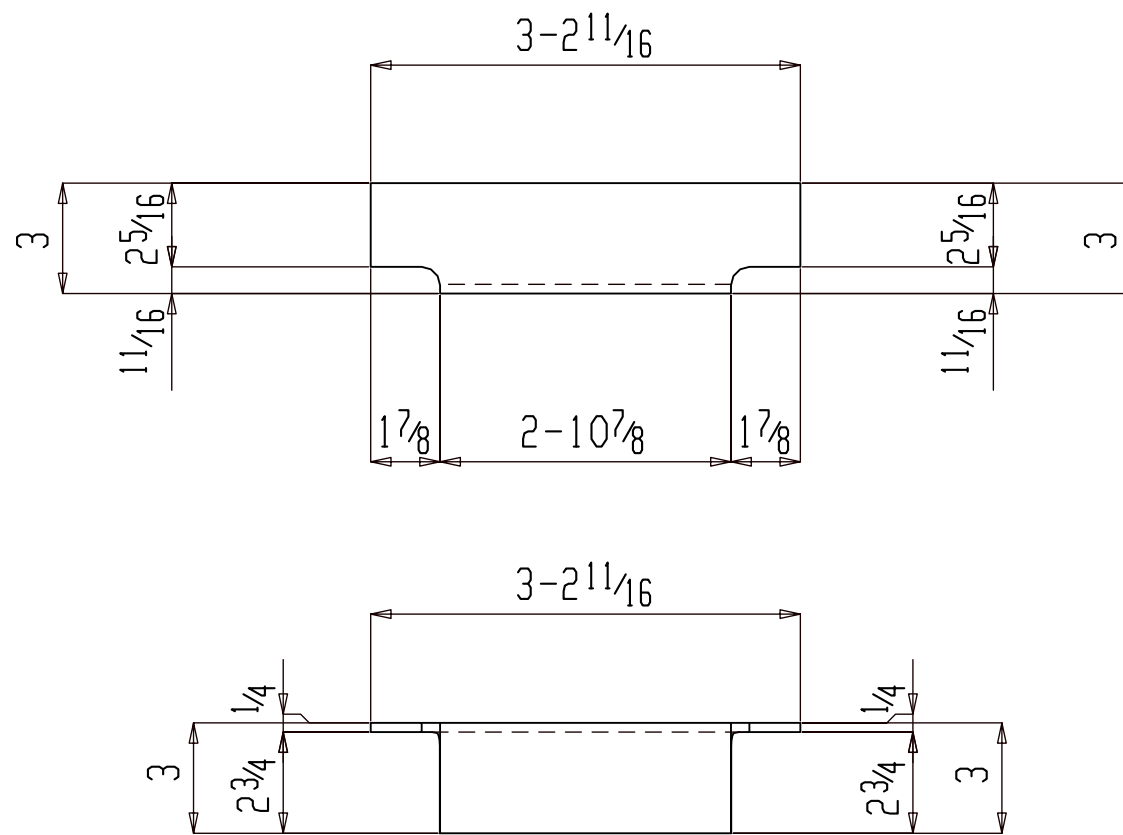
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M209		8	MISC				130
	M209	8	L3x3x1/4	3-3 11/16		A36	130

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M209	REV	△



4 MISCS M210

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

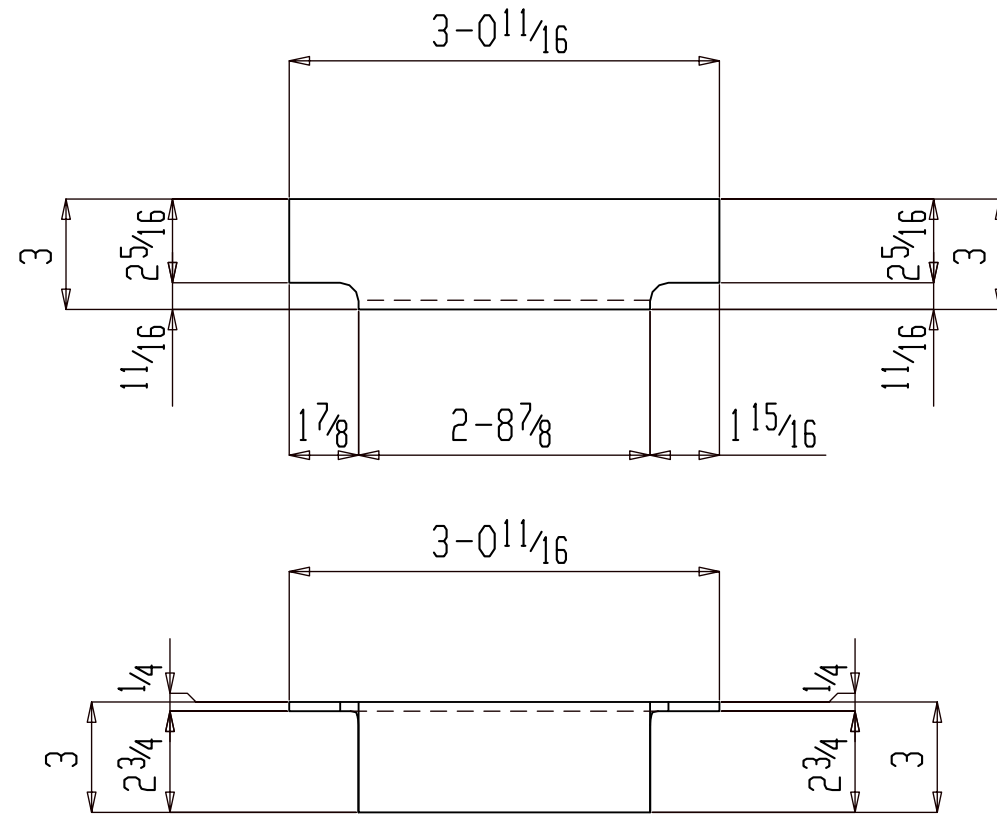
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M210		4	MISC				63
	M210	4	L3x3x1/4	3-2 11/16		A36	63

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M210
		REV	△



4 MISCS M211

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

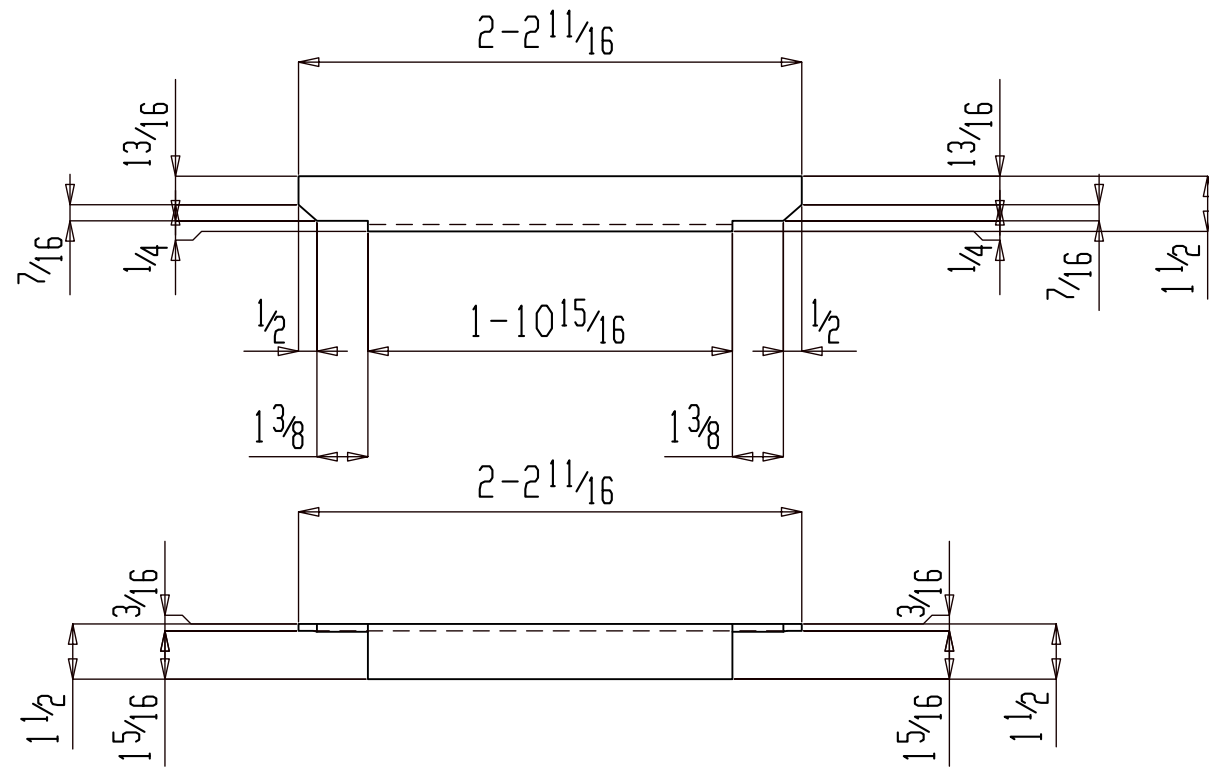
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M211		4	MISC				60
	M211	4	L3x3x1/4	3-0 11/16		A36	60

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAIN T U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M211	REV	△



12 MISCS M213

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

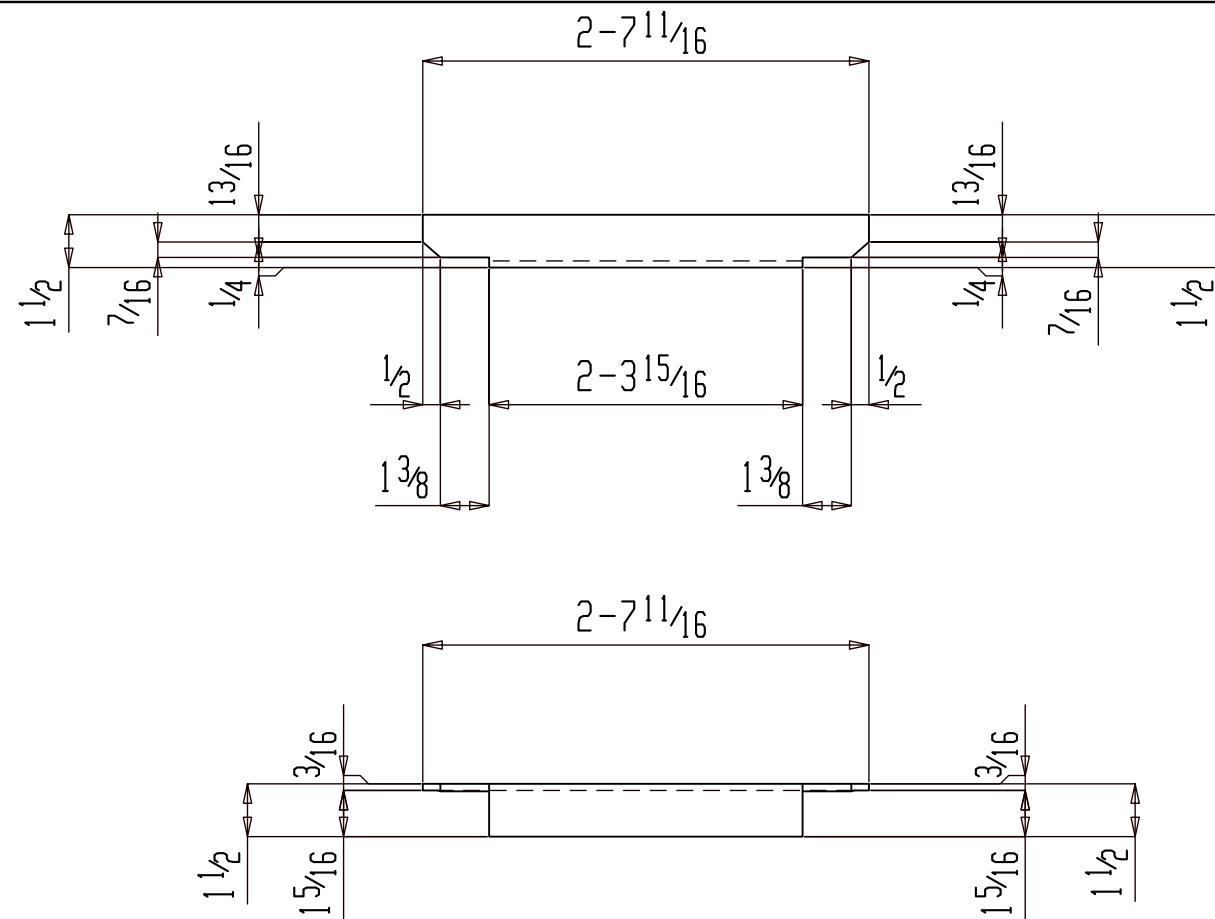
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M213		12	MISC				48
	M213	12	L1 1/2 x 1 1/2 x 3/16	2-2 1/16		A36	48

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M213	REV	△



8 MISCS M215

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

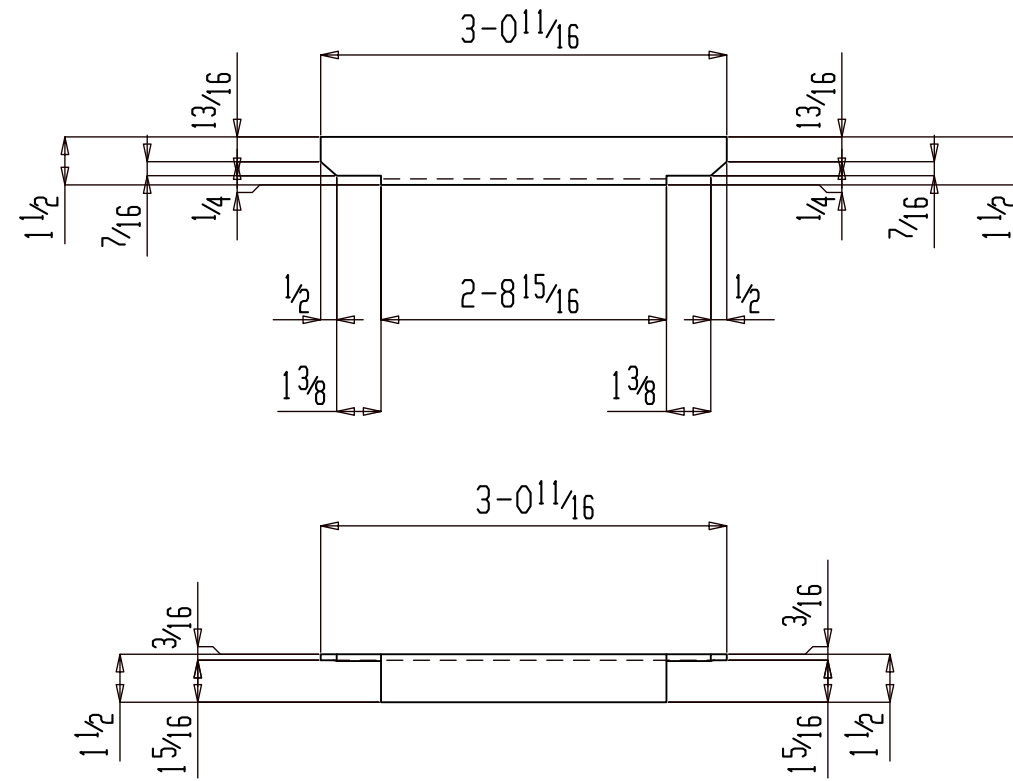
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M215		8	MISC				38
	M215	8	L1 1/2 x 1 1/2 x 3/16	2-7 11/16		A36	38

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M215	REV	△



4 MISCS M218

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

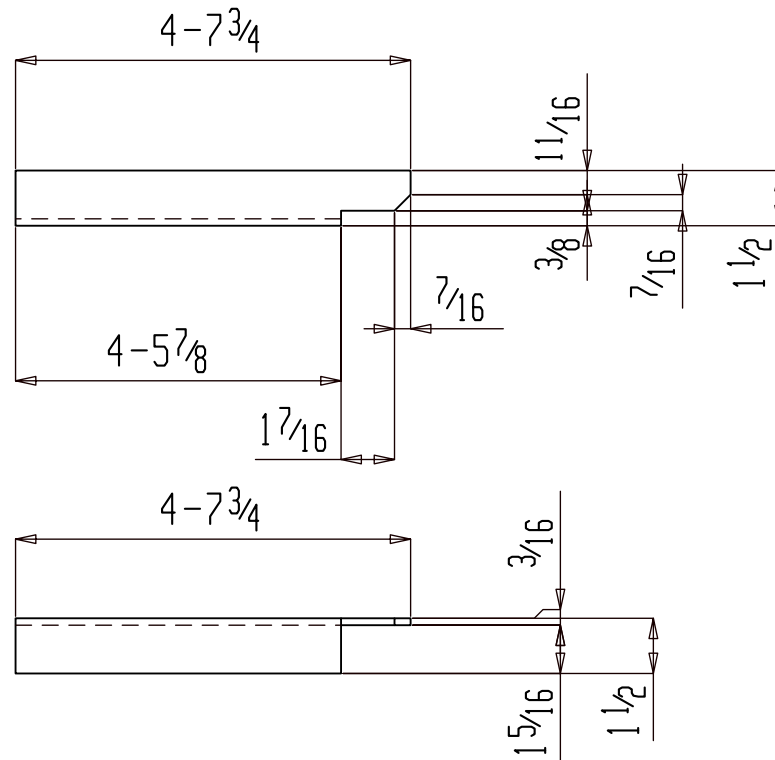
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M218		4	MISC				22
	M218	4	L 1 1/2 x 1 1/2 x 3/16	3-0 1/16		A36	22

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M218	REV	△



2 MISCS M219

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

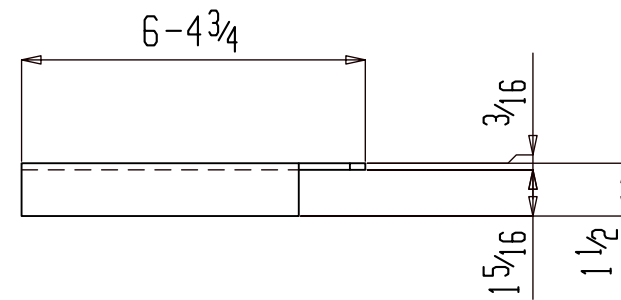
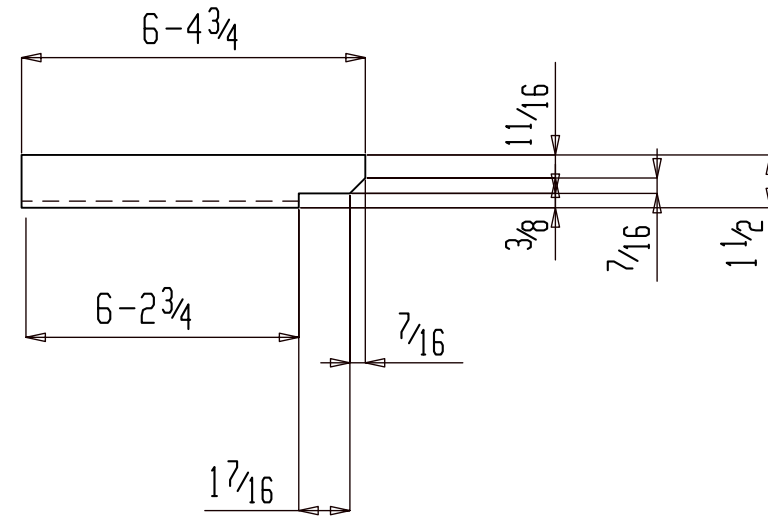
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M219		2	MISC				17
	M219	2	L1 1/2 x 1 1/2 x 3/16	4-7/4		A36	17

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M219	REV	△



2 MISCS M222

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

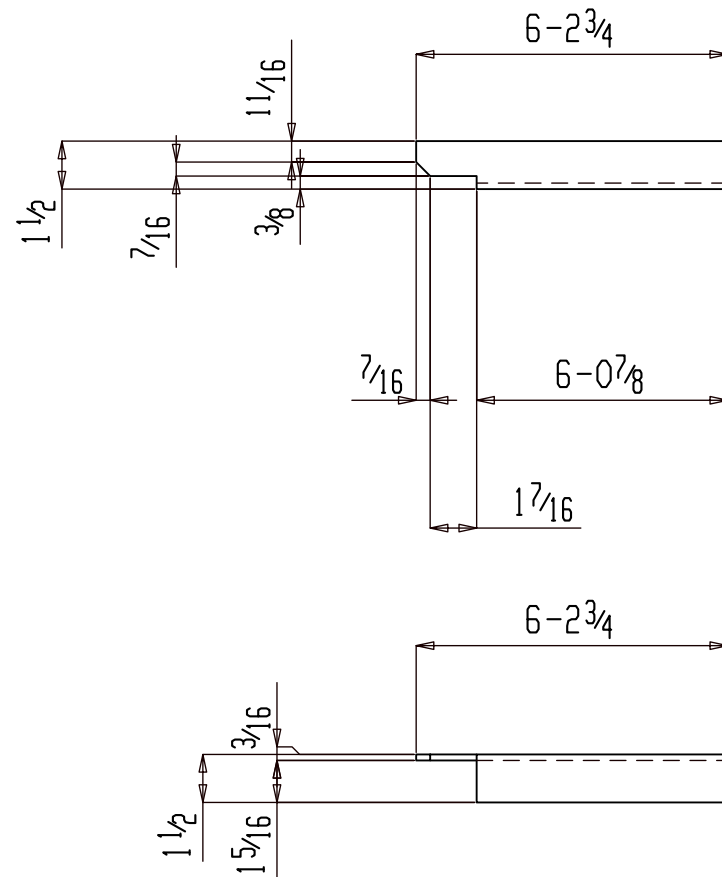
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M222		2	MISC				23
	M222	2	L 1 1/2 x 1 1/2 x 3/16	6-4 3/4		A36	23

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459
		SHEET NO.	M222
		REV	△



2 MISCS M223

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

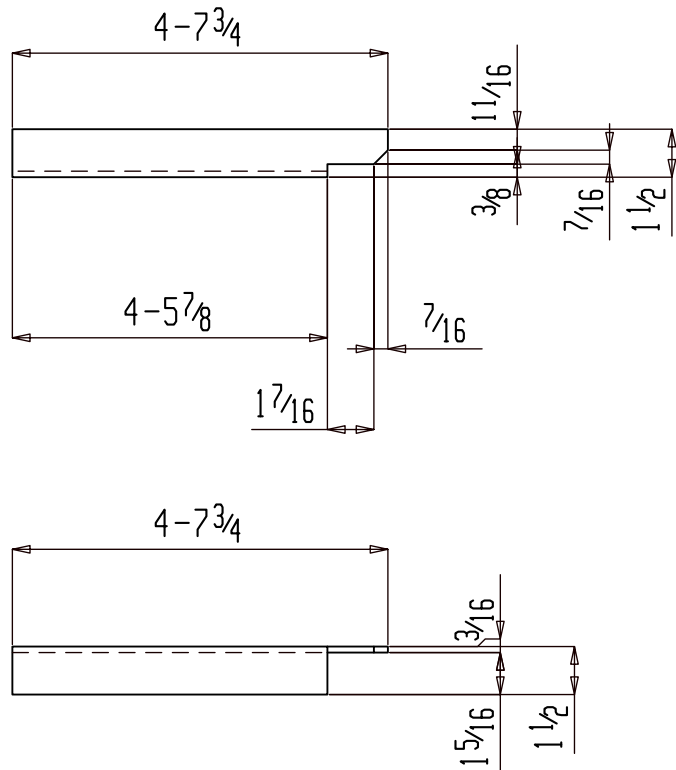
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M223		2	MISC				22
	M223	2	L 1 1/2 x 1 1/2 x 3/16	6-2 3/4		A36	22

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M223	REV	△



2 MISCS M224

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

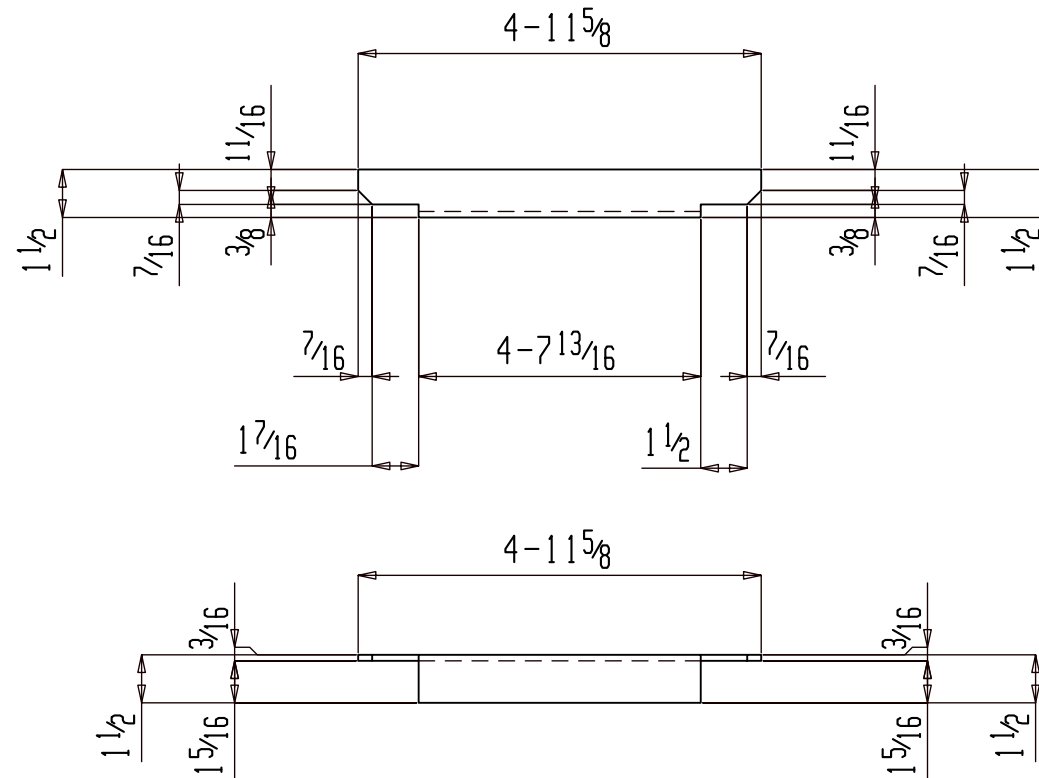
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M224		2	MISC				17
	M224	2	L 1 1/2 x 1 1/2 x 3/16	4-7 3/4		A36	17

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M224	REV	△



8 MISCS M225

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

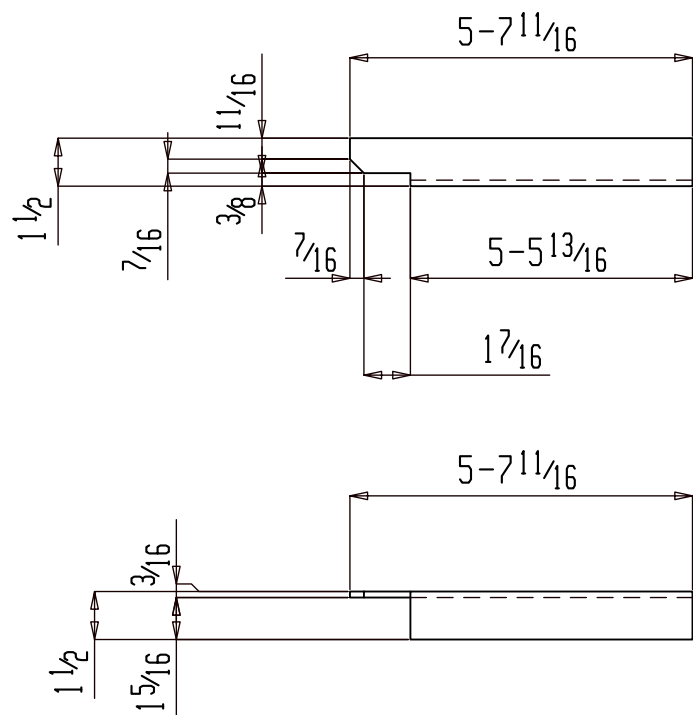
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M225		8	MISC				72
	M225	8	L1 1/2 x 1 1/2 x 3/16	4-11 5/8		A36	72

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M225	REV	△



2 MISCS M226

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

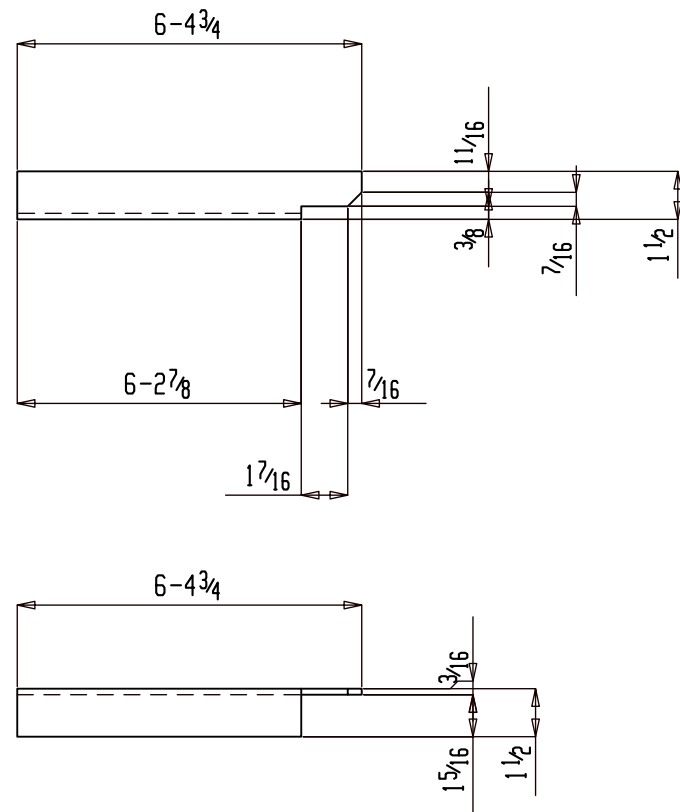
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M226		2	MISC				20
	M226	2	L 1 1/2 x 1 1/2 x 3/16	5-7 11/16		A36	20

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M226	REV	△



2 MISCS M227

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

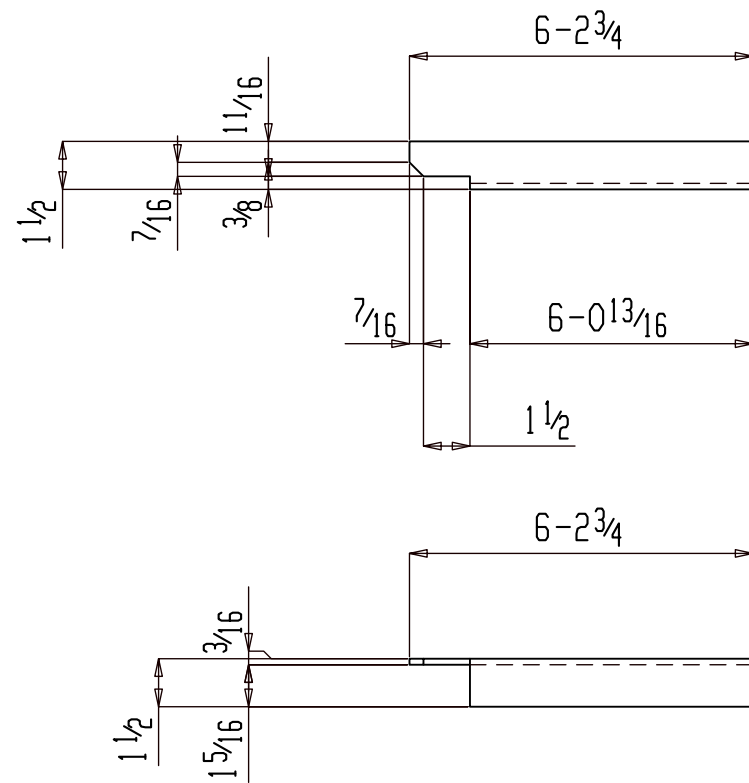
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M227		2	MISC				23
	M227	2	L 1 1/2 x 1 1/2 x 3/16	6-4 3/4		A36	23

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M227	REV	△



2 MISCS M228

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

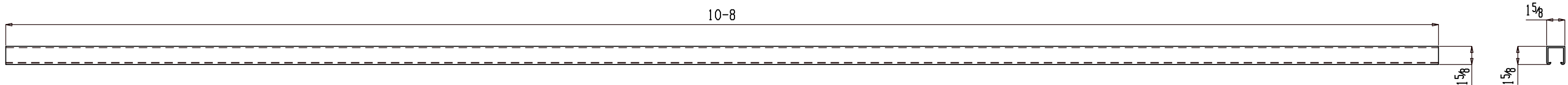
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M228		2	MISC				22
	M228	2	L 1 1/2 x 1 1/2 x 3/16	6-2 3/4		A36	22

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M228	REV	△



4 STRUTS M231

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

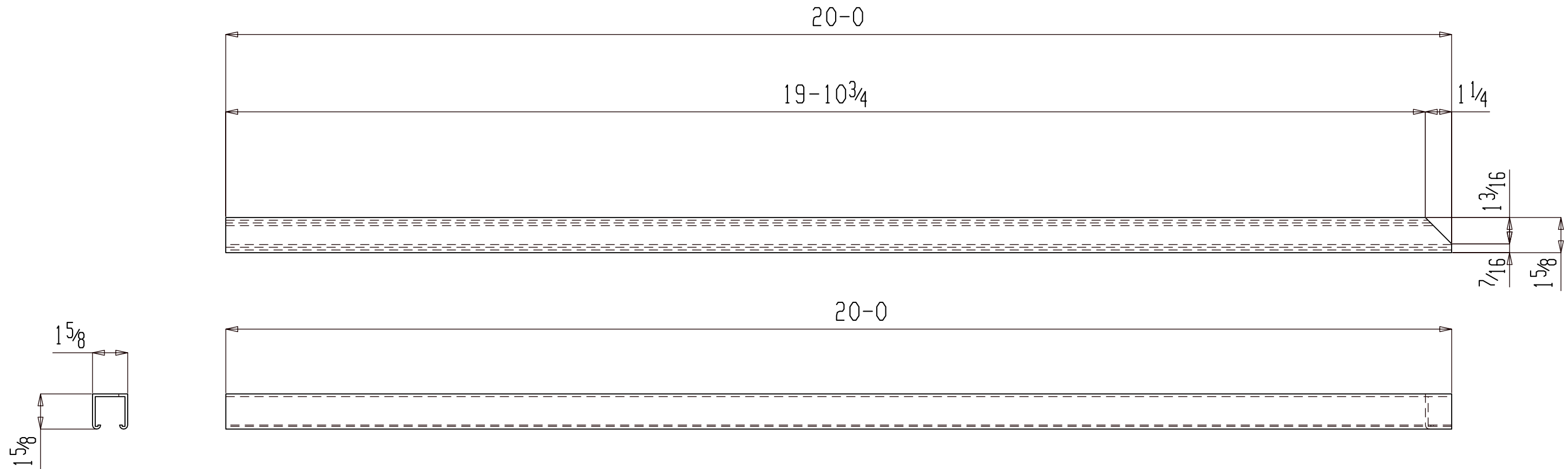
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M231		4	STRUT				2323
	M231	4	12GAx1 5/8x1 5/8	10-8			2323

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M231	REV	△



2 STRUTS M234

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

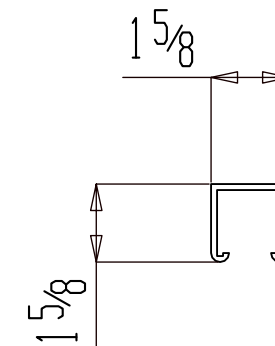
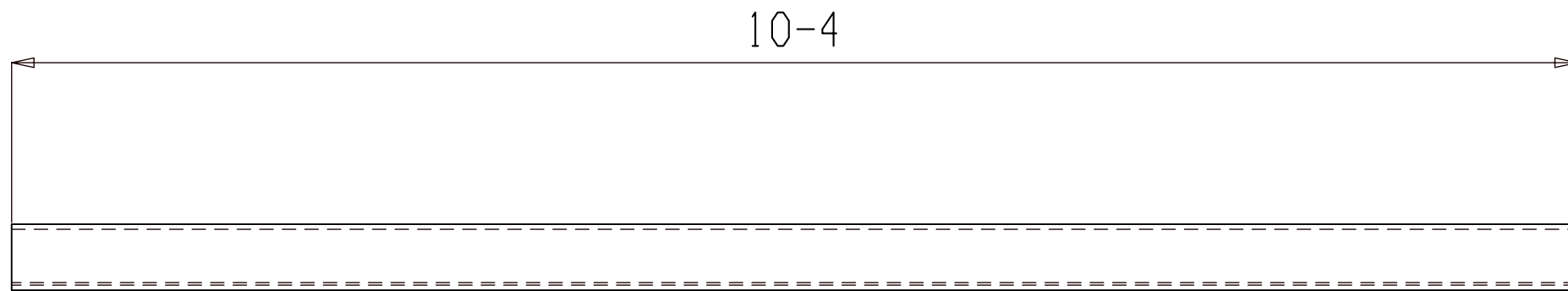
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M234		2	STRUT				4083
	M234	2	12GAx1 5/8x1 5/8	20-0			4083

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M234
		REV	△



ONE STRUT M235

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

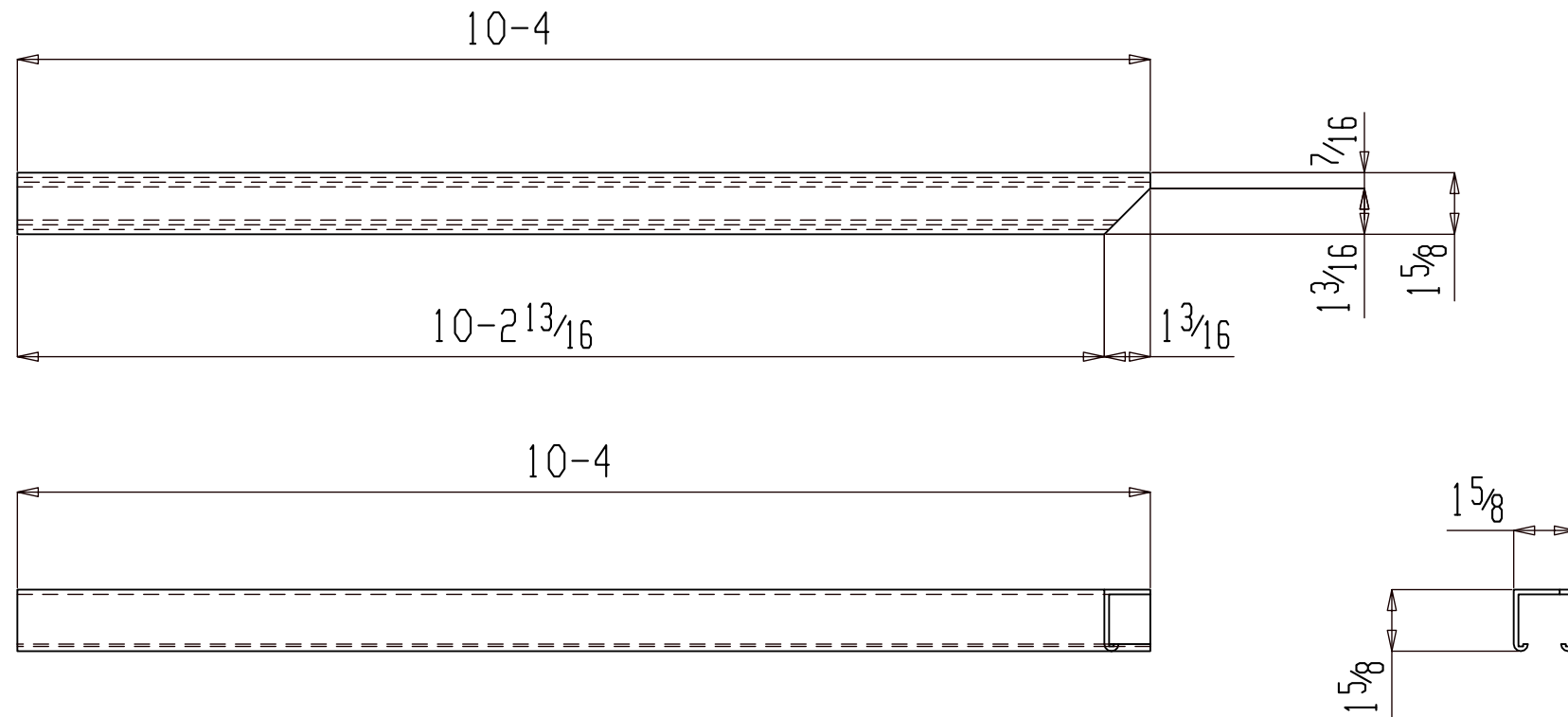
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M235		ONE	STRUT				545
	M235	1	12GAx1 5/8x1 5/8	10-4			545

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M235	REV	△



ONE STRUT M236

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

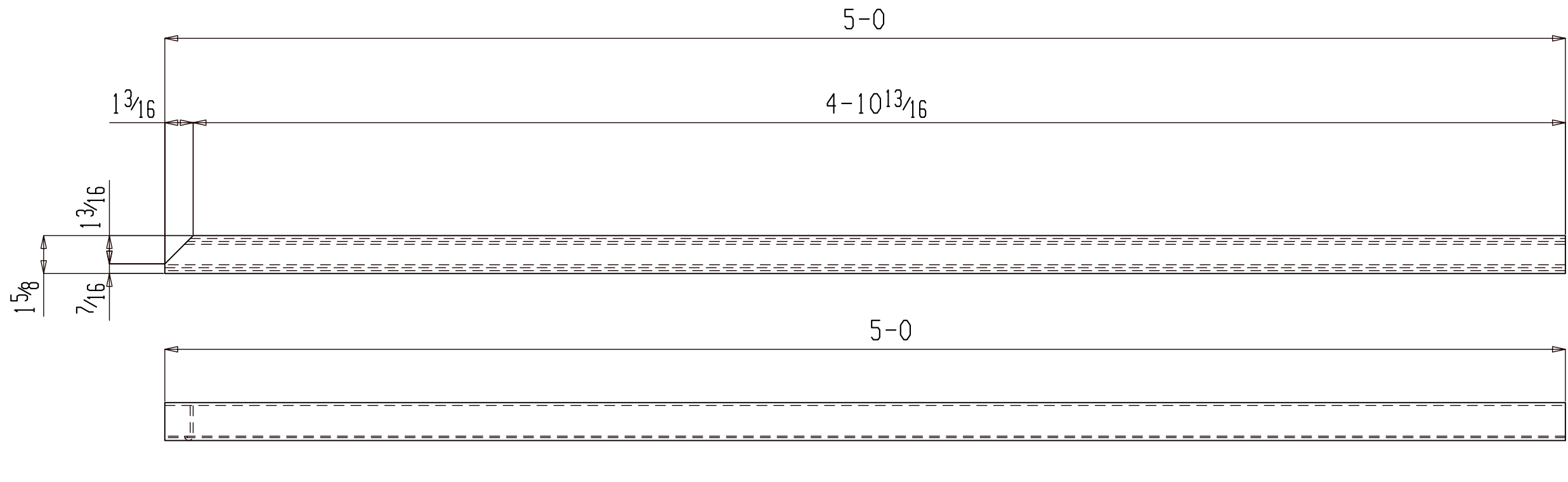
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M236		ONE	STRUT				545
	M236	1	12GAx1 5/8x1 5/8	10-4			545

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	1 3/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M236	REV	△



ONE STRUT M237

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

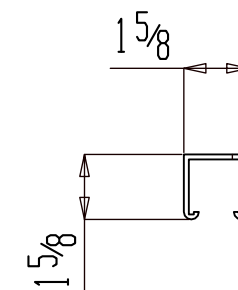
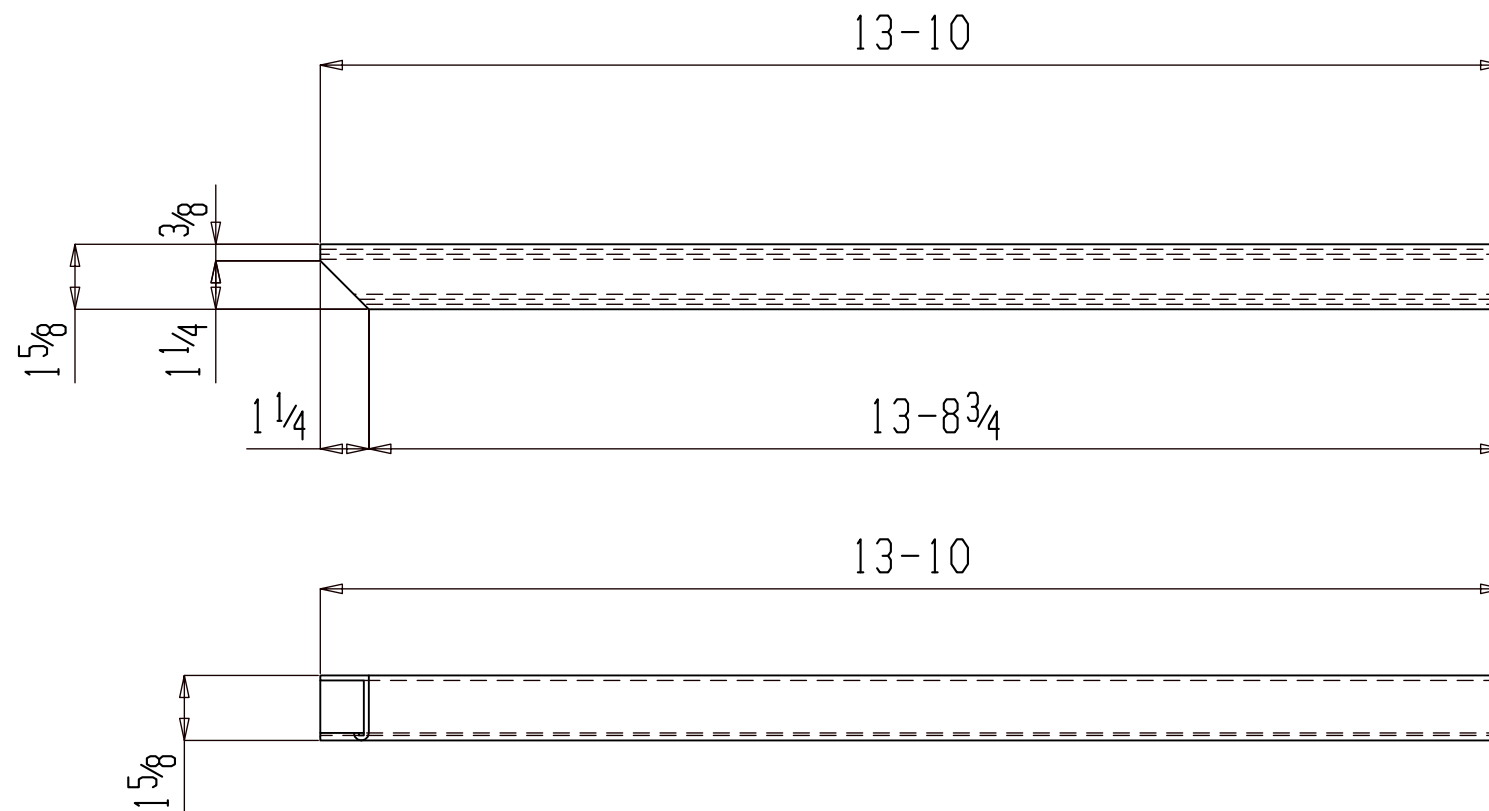
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M237		ONE	STRUT				128
	M237	1	12GAx1 5/8x1 5/8	5-0			128

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	AKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M237	REV	△



ONE STRUT M240

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

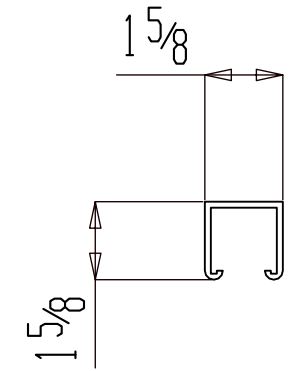
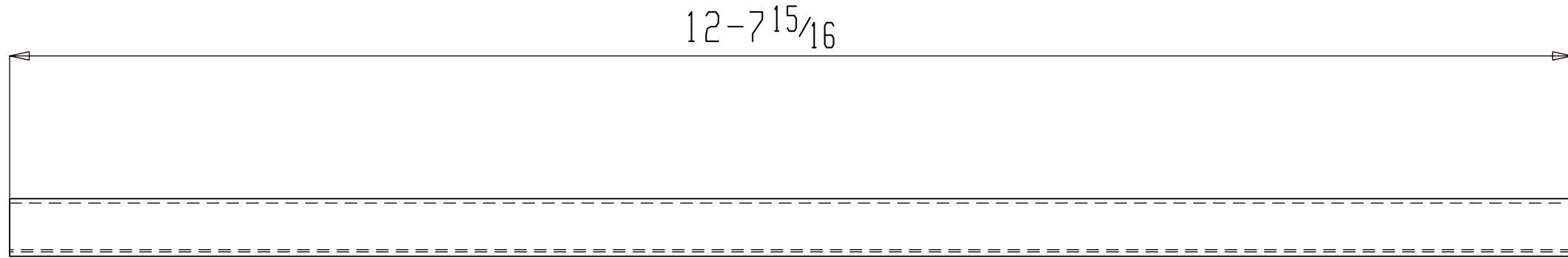
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M240		ONE	STRUT				977
	M240	1	12GAx1 5/8x1 5/8	13-10			977

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M240	REV	△



ONE STRUT M242

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

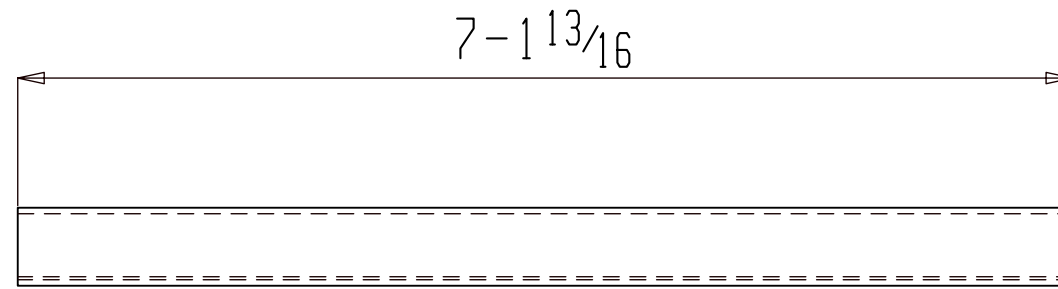
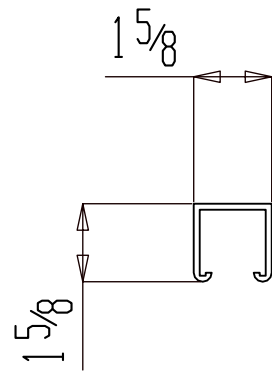
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M242		ONE	STRUT				819
	M242	1	12GAx1 5/8x1 5/8	12-7 15/16			819

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M242	REV	△



ONE STRUT M244

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

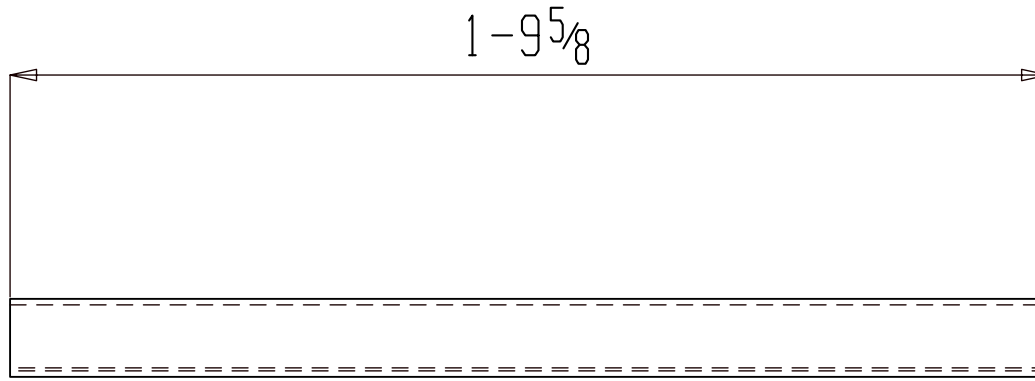
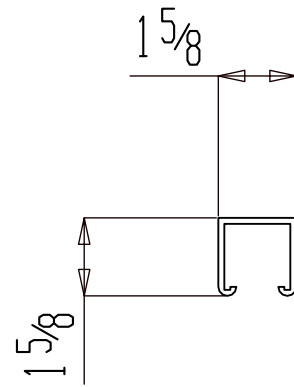
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M244		ONE	STRUT				261
	M244	1	12GAx1 5/8x1 5/8	7-1 13/16			261

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-18-22
△	For Re-Approval			ALN	07-04-22
△	For Approval			ALN	06-20-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM
LOCATION:	ALASKA			CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY			SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL			DATE:	05-26-22
	JOB NUMBER	SHEET NO.	REV		
	459	M244	△		



ONE STRUT M245

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

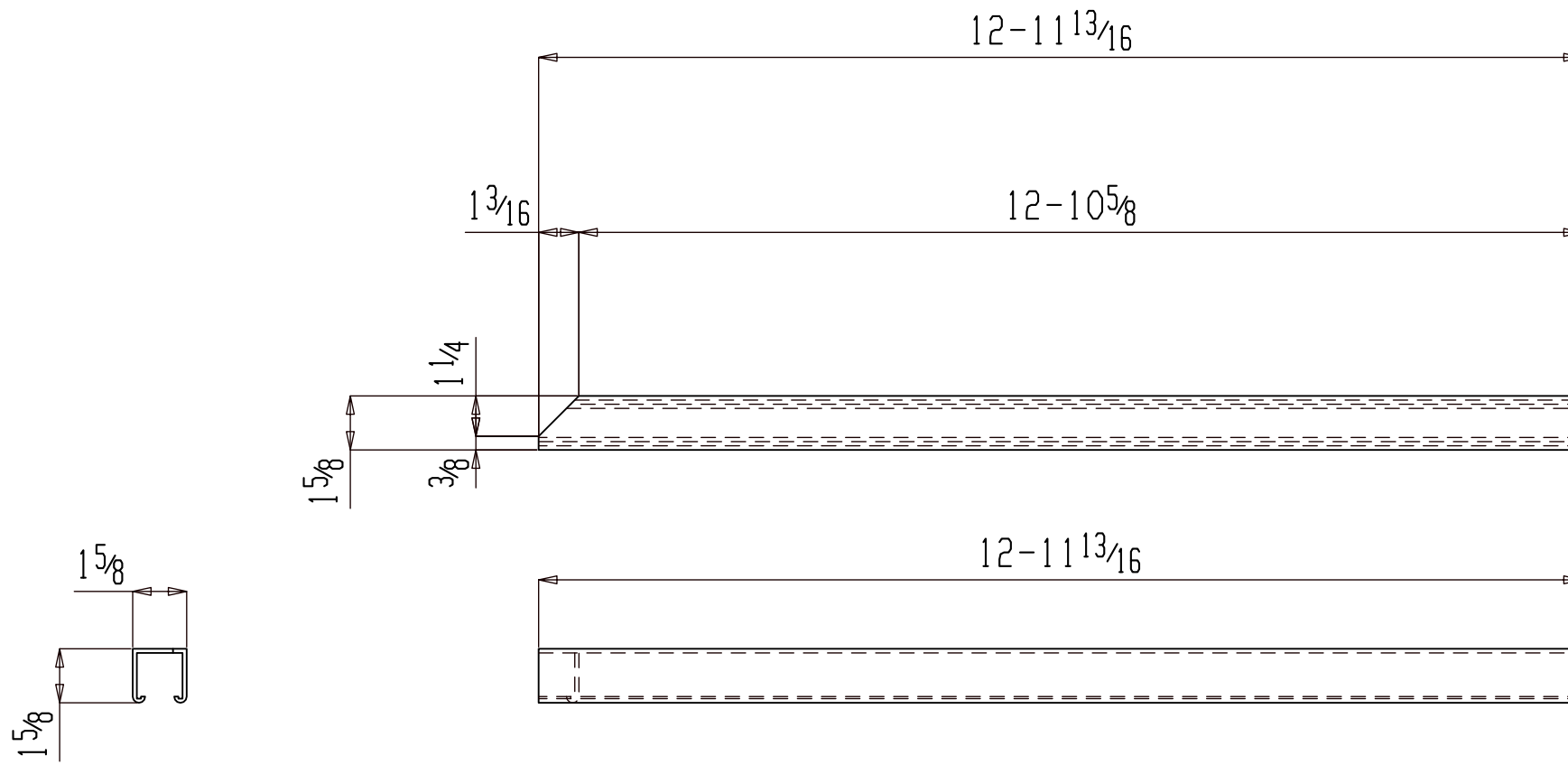
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M245		ONE	STRUT				17
	M245	1	12GAx1 5/8x1 5/8	1-9 5/8			17

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M245
		REV	△



ONE STRUT M246

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

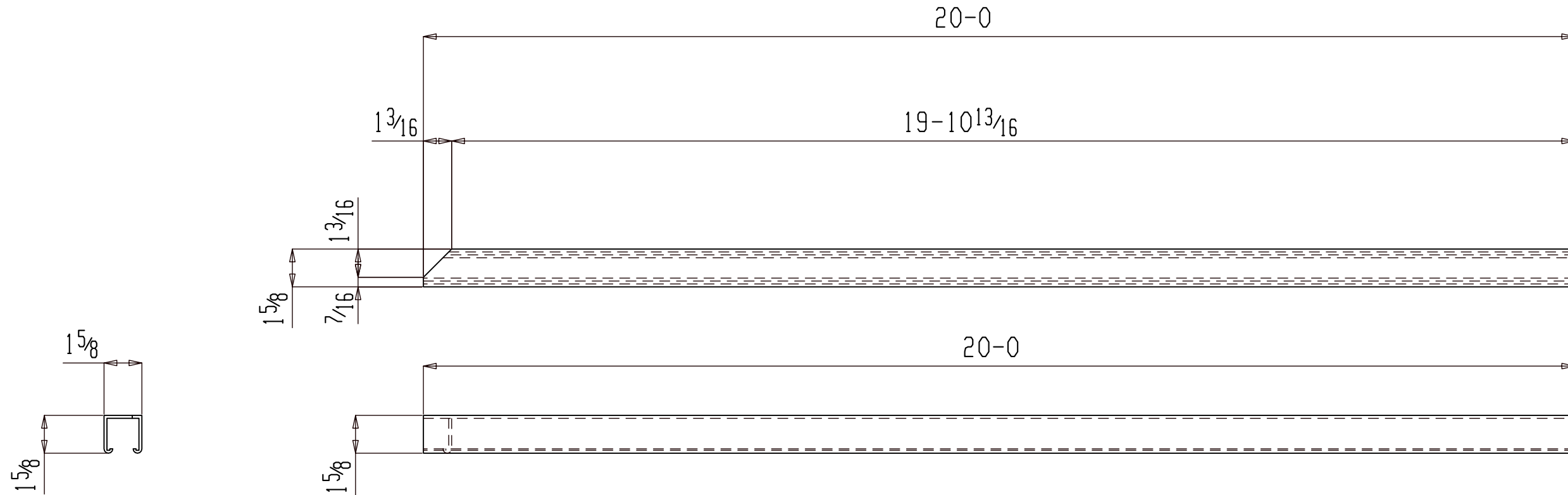
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M246		ONE	STRUT				861
	M246	1	12GAx1 5/8x1 5/8	12-11 13/16			861

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
△	
△	For Fabrication
△	For Re-Approval
△	For Approval
REV.	DESCRIPTION
	BY
	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M246	REV	△



ONE STRUT M247

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

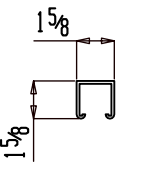
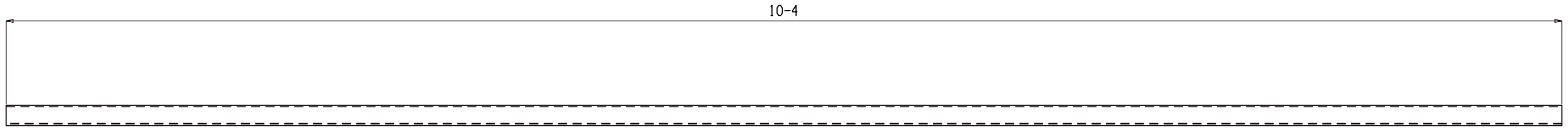
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M247		ONE	STRUT				2042
	M247	1	12GAx1 5/8x1 5/8	20-0			2042

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO.: M247
			REV: △



ONE STRUT M251

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

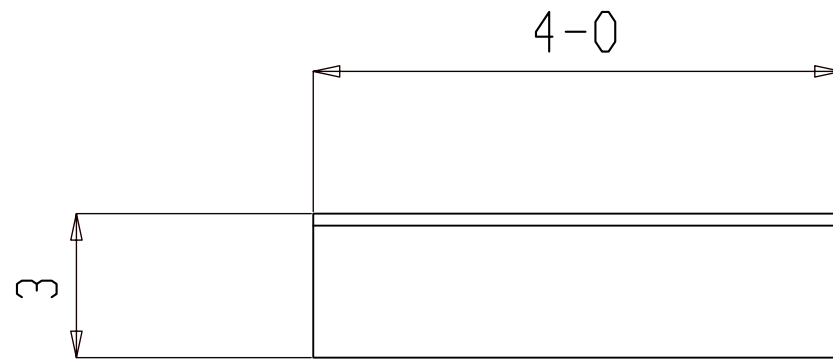
BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M251	MARK	ONE	STRUT				545
	M251	1	12GAx1 5/8x1 5/8	10-4			545

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	MARK						

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M251	REV	△



ONE MISC M253

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

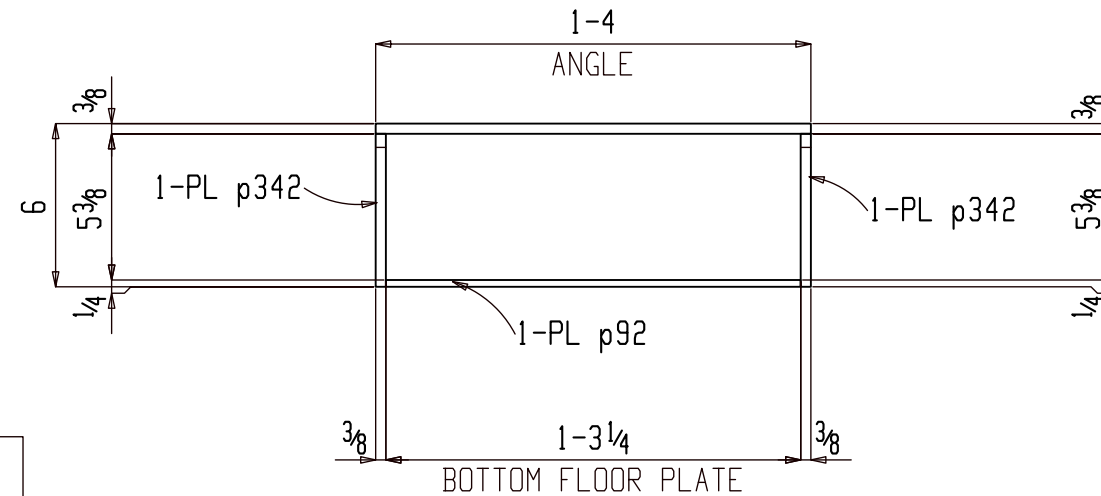
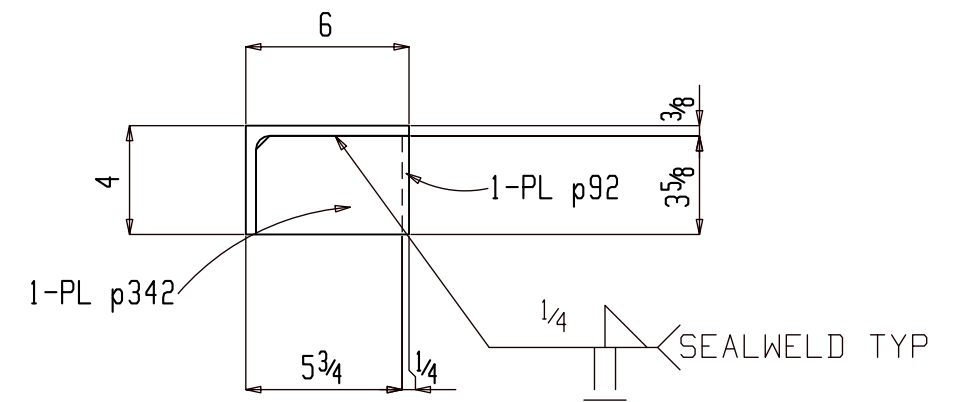
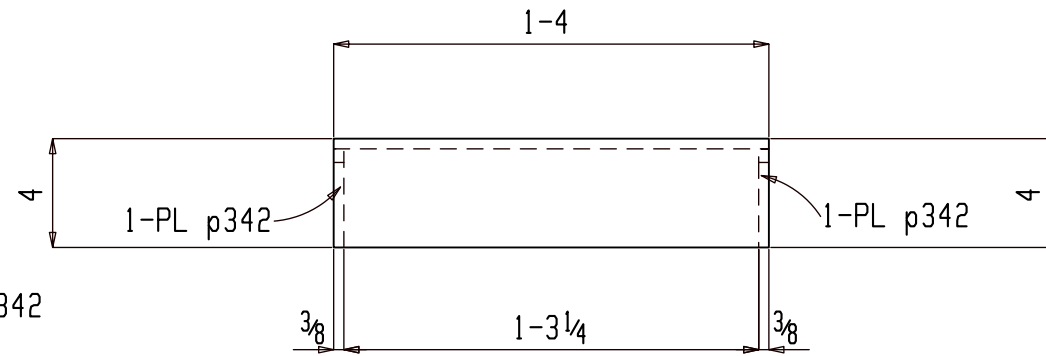
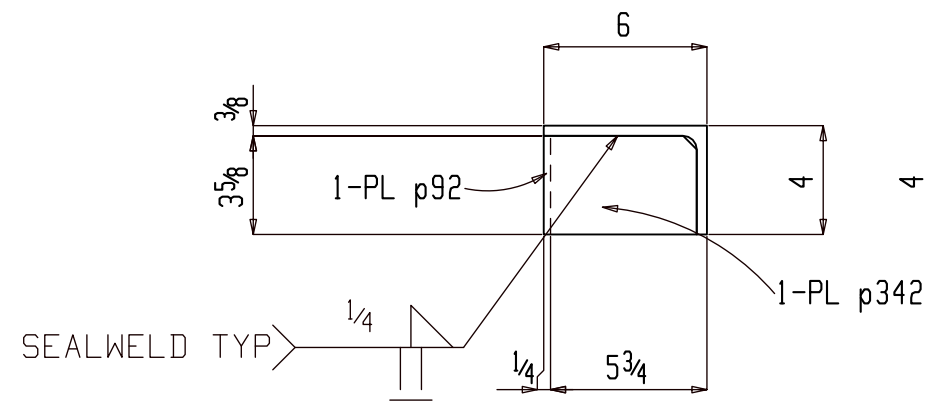
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M253		ONE	MISC				20
	M253	1	L3x3x1/4	4-0		A36	20

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M253
			REV: △



SHOP NOTE:

1. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR FILLET WELDS.
2. SLOT FLOOR PLATE, WELD PEDESTAL TO TOP OF BEAM, THEN SEAL WELD TO FLOOR PLATE ALL AROUND INSIDE & OUT.
3. INSTALL ALL SUPPORTS INDICATED AND GRIND SMOOTH PRIOR TO SANDBLASING MODULE. SANDBLAST AND PAINT ALL SUPPORTS EQUIVALENT TO MODULE INTERIOR.

12 MISCS M254

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

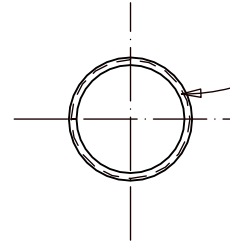
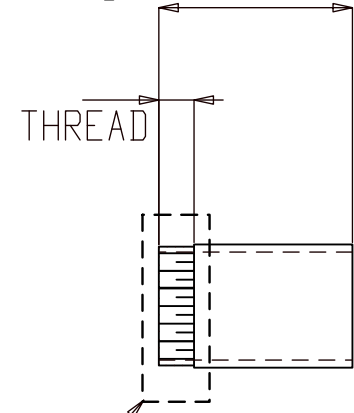
BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M254		12	MISC				296
	M254	12	L6x4x3/8	1-4		A36	197
	p342	24	PL 3/8x3 5/8	5 5/8		A36	52
	p92	12	PL 1/4x3 5/8	1-3 1/4		A36	47

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	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M254
		REV	△

5½ (PIPE 3 STD) A53

THREAD



3" Dia x 5½" LONG SCH 40
STEEL HALF NIPPLE
(HEAT RECOVERY ARCTIC PIPE).

COAT THREADS WITH
ANTI-SIEZE & INSTALL
THREADED CAP BOTH
ENDS PRIOR TO PAINTING.

4 MISCS M257

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

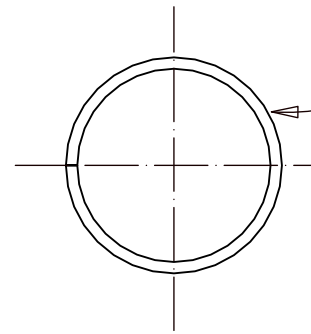
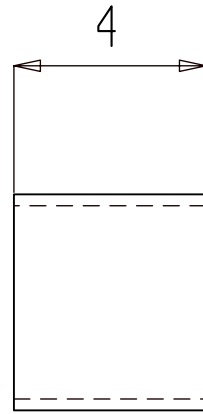
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M257		4	MISC				14
	M257	4	PIPE 3 STD	5½		A53B	14

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	M257
		REV	△



4" Dia x4" LONG SCH 40
PIPE SLEEVE FOR
DAY TANK VENT.

ONE MISC M258

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

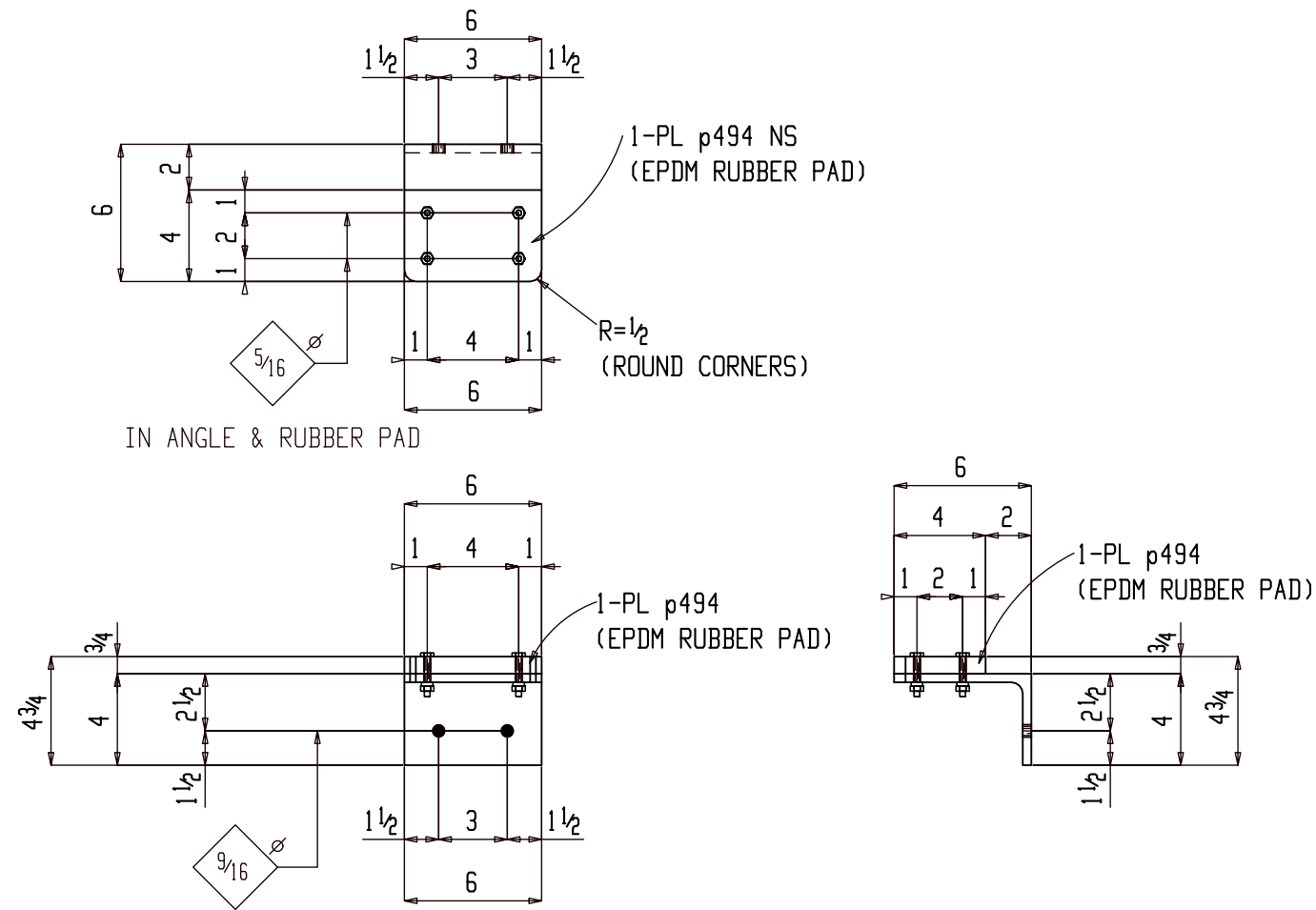
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M258		ONE	MISC				4
	M258	1	PIPE 4 STD	4		A53B	4

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER 459	SHEET NO. M258
			REV △



2 EXTERIOR DOOR BOTTOM STOPS M259

SHOP BOLTS:
4-1/4 Dia CARRIAGE BOLT (GALV)
COUNTERSINK HEADS.

(ASSEMBLY REFER: AS103)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

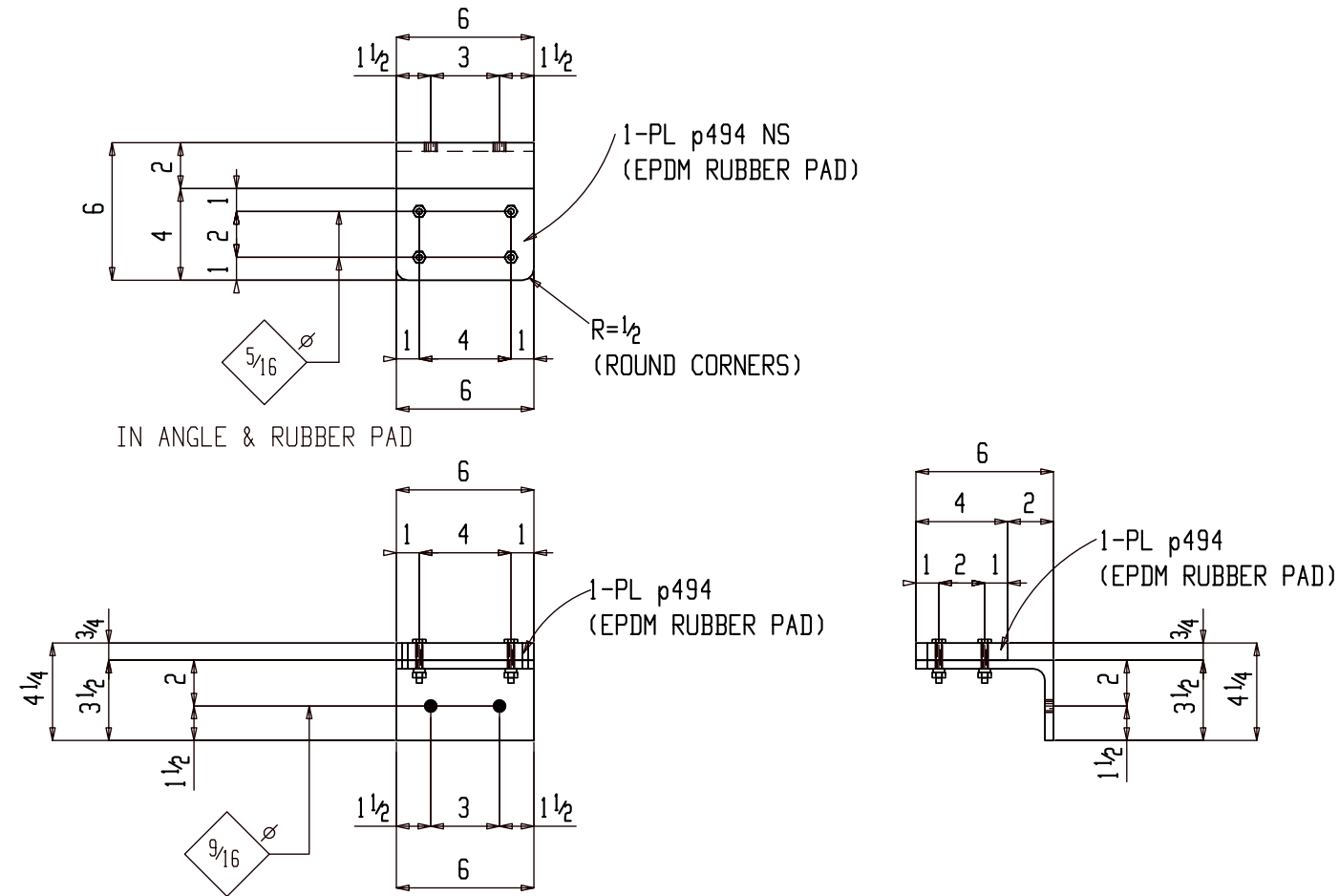
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M259		2	EXTERIOR DOOR BOTTOM STOP				23
	M259	2	L6x4x3/8	6		A36	12
	p494	2	PL 3/4x4	6	(EPDM RUBBER PAD)		10
		8	1/4" Dia CARRIAGE BOLT		(COUNTERSINK HEADS) (GALV)		

BILL OF MATERIAL

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M259	REV	△



ONE EXTERIOR DOOR BOTTOM STOP M260

SHOP BOLTS:
4-1/4 Dia CARRIAGE BOLT (GALV)
COUNTERSINK HEADS.

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

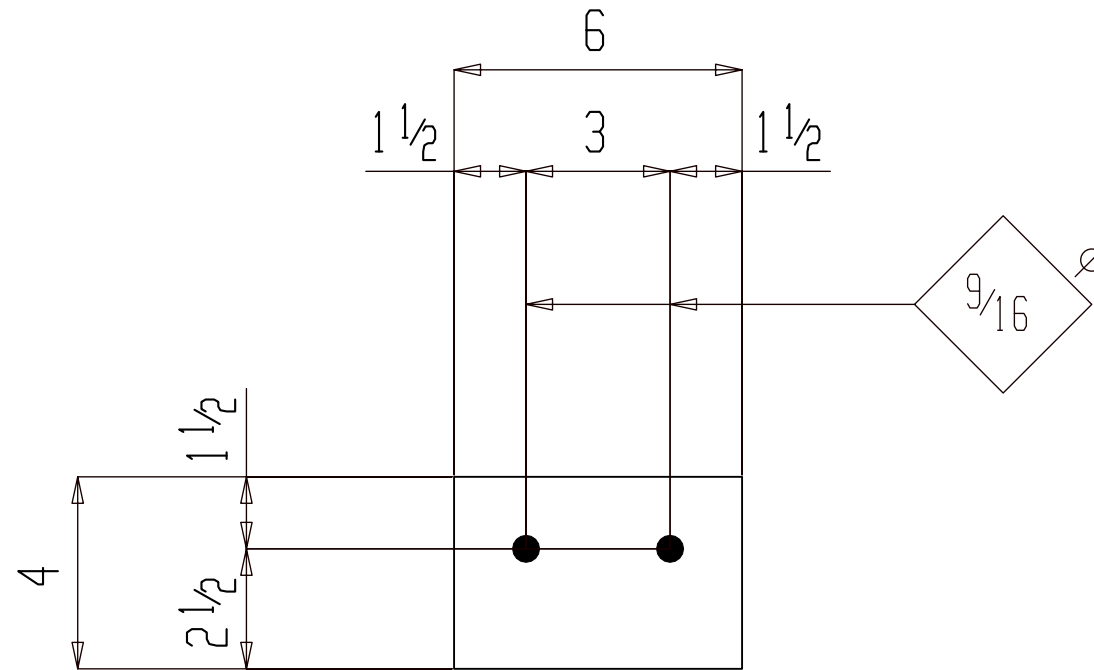
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M260		ONE	EXTERIOR DOOR BOTTOM STOP				11
	M260	1	L6x3 1/2 x 3/8	6		A36	6
	p494	1	PL 3/4 x 4	6	(EPDM RUBBER PAD)		5
		4	1/4" Dia CARRIAGE BOLT		(COUNTERSINK HEADS)		
					(GALV)		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING: SSPC-SP6			
JOB NAME: RAMPART POWER SYSTEM UPGRADE		DR. BY: AKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: MISC. DETAIL		JOB NUMBER: 459	SHEET NO. M260
		REV	△



2 MISCS M261

(ASSEMBLY REFER: AS103)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

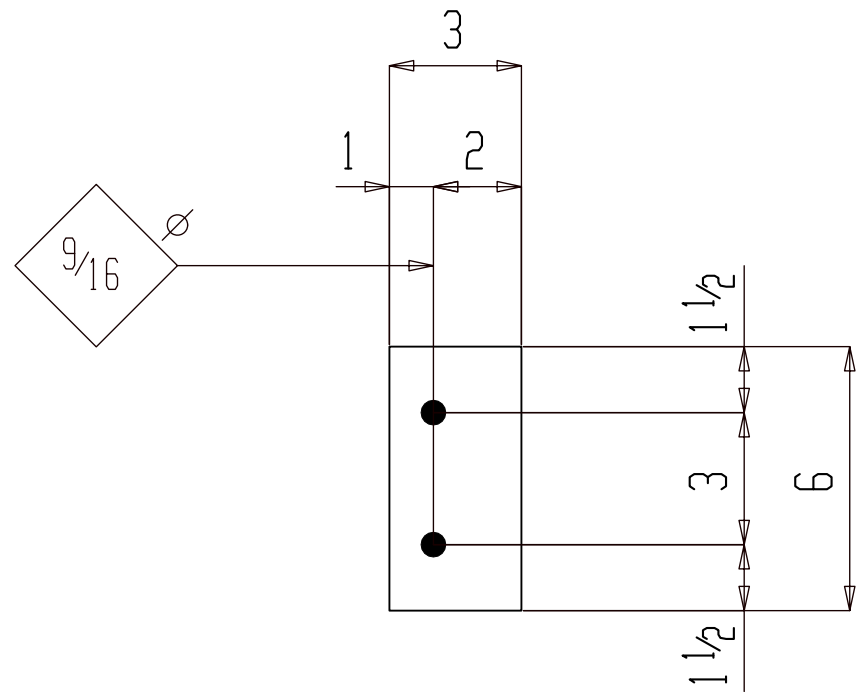
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M261		2	MISC				5
	M261	2	FB 3/8x4	6		A36	5
			FIELD BOLTS				
		4	1/2 Dia A307	2 1/4	+1HD WASH GALV		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	AKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M261	REV	△



ONE MISC M262

(ASSEMBLY REFER: AS101)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

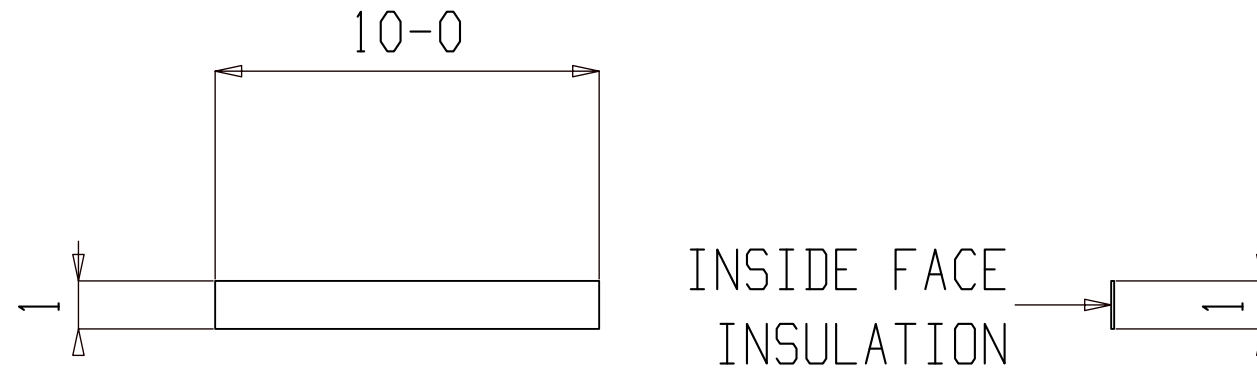
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M262		ONE	MISC				2
	M262	1	PL 3/8x3	6		A36	2
			FIELD BOLTS				
		2	1/2 Dia A307	2 1/4	+1HD WASH GALV		

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	AKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M262	REV	△



2 MISCS M263

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

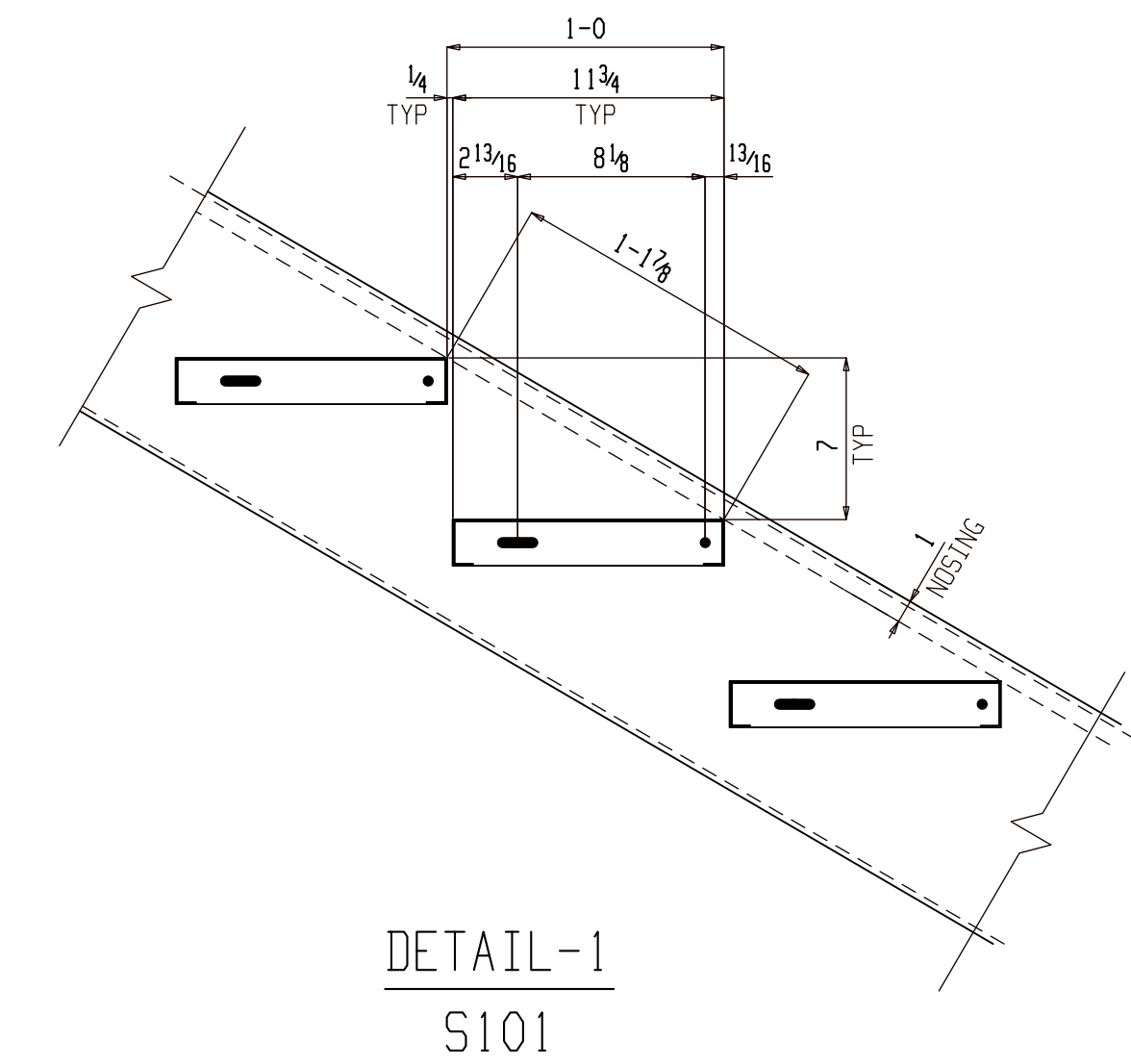
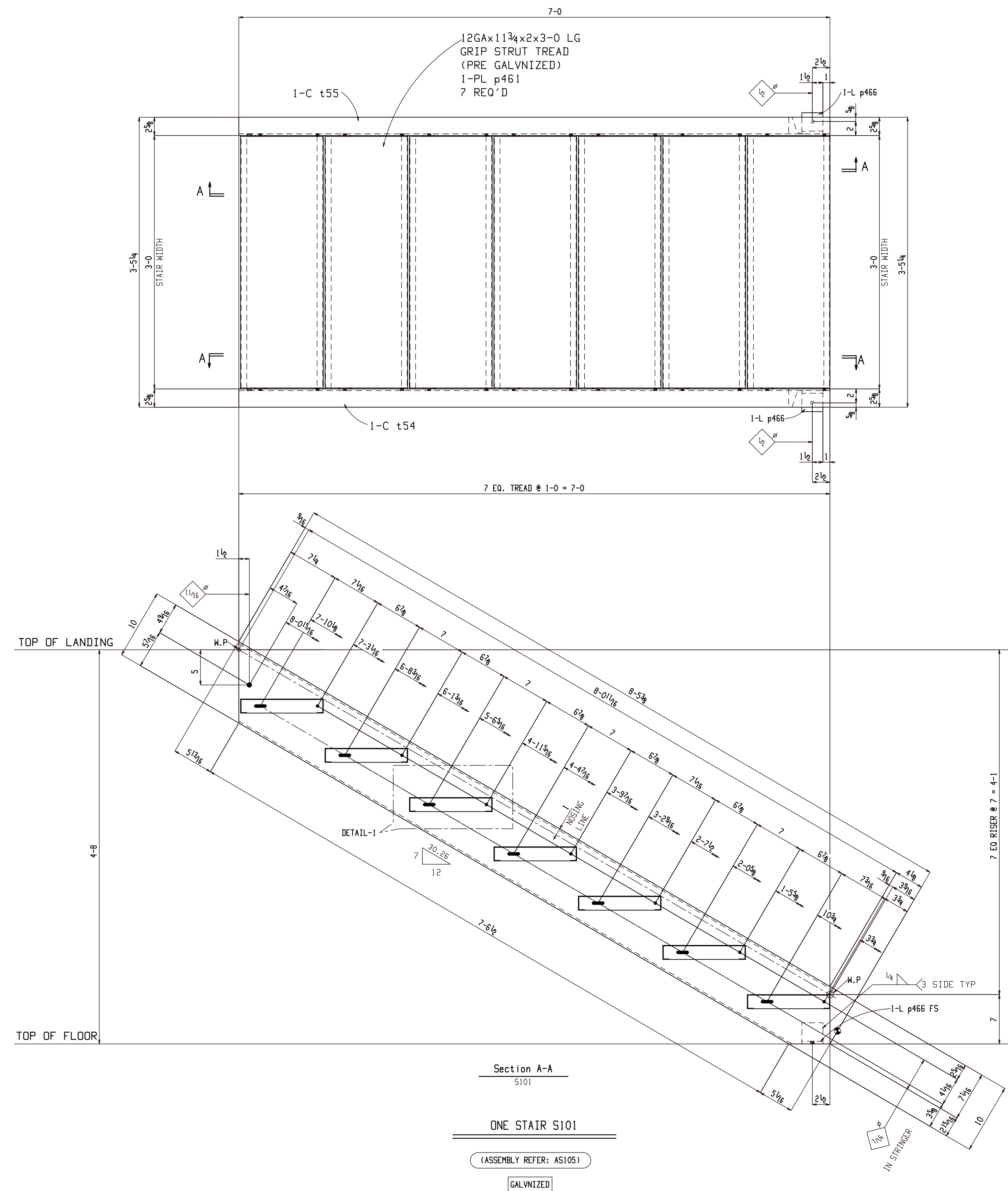
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M263		2	MISC				5
	M263	2	PL14GAx1	10-0			5

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-18-22
△	For Re-Approval	ALN	07-04-22
△	For Approval	ALN	06-20-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	AKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE: 05-26-22			
DESCRIPTION:	MISC. DETAIL	JOB NUMBER	459	SHEET NO.	M263	REV	△

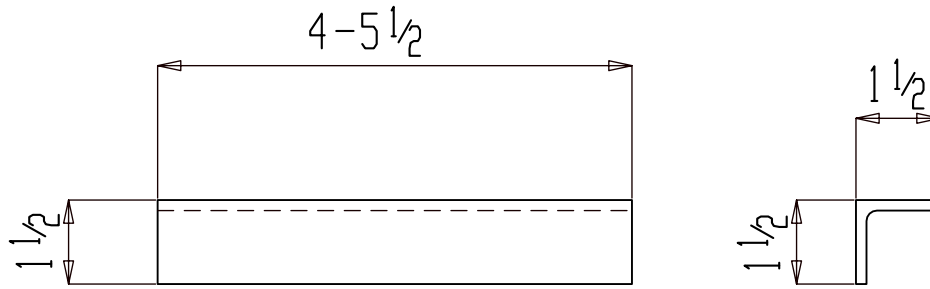


FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
S101		ONE	STAIR		(GALV)		358
	t55	1	C10x15.3	8-5 3/8		A36	131
	t54	1	C10x15.3	8-5 3/8		A36	131
	p466	2	L3x3x3/8	3		A36	4
	p461	7	12GAx11 3/4x2	3-0	(GRIP STRUT TREAD)		92
			FIELD BOLTS				

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
		2	TC 5/8 Dia A325N	1 3/4	+1HD WASH		
		28	3/8 Dia A307	1 1/2	+1HD WASH		
		2	3/8 Dia EPOXY ANCHOR	4	+1HD WASH		
					GALV		
					GALV		

SHOP NOTES:							
REF. DWG/SPEC:							
DEG REF. SPEC. / DWG:							
△	For Fabrication	ALN	07-18-22				
△	For Re-Approval	ALN	07-04-22				
△	For Approval	ALN	06-20-22				
REV.	DESCRIPTION	BY	DATE				
HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	RAMPART POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	STAIR DETAIL	JOB NUMBER:	459	SHEET NO.:	S101	REV:	△



6 L 1 1/2 x 1 1/2 x 3/16 x 4-5 1/2 p65

GRADE: A36

NO PAINT

2	B108
1	B107
1	B106
1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

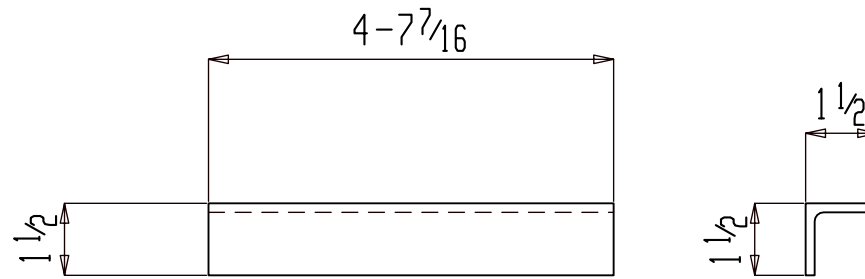
DATE: 05-26-22

DESCRIPTION: ANGLE

JOB NUMBER | SHEET NO. | REV

459 | p65 | △

REV.	DESCRIPTION	ALN BY	07-18-22 DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



8 L 1 1/2 x 1 1/2 x 3/16 x 4-7/16 p66

GRADE: A36

NO PAINT

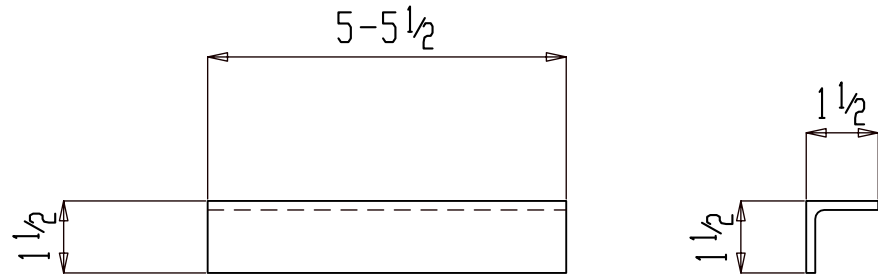
4	B105
4	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p66		0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 5-5 1/2 p67

GRADE: A36

NO PAINT

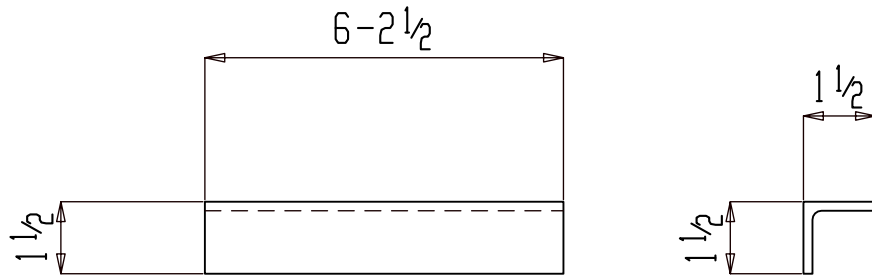
1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p67		△

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



2 L 1 1/2 x 1 1/2 x 3/16 x 6-2 1/2 p68

GRADE: A36

NO PAINT

1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

For Fabrication

ALN 07-18-22

JOB NUMBER SHEET NO. REV

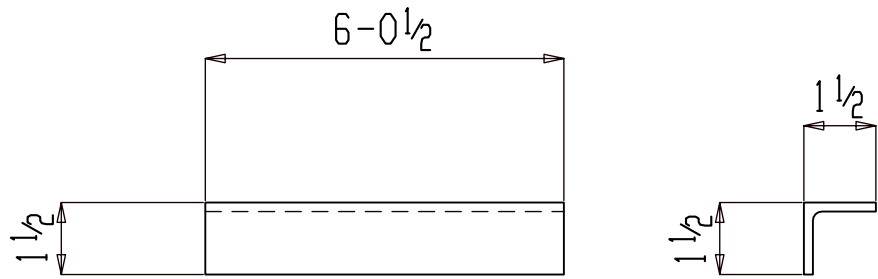
REV. DESCRIPTION

BY DATE

DESCRIPTION: ANGLE

459 p68





2 L 1 1/2 x 1 1/2 x 3/16 x 6-0 1/2 p69

GRADE: A36

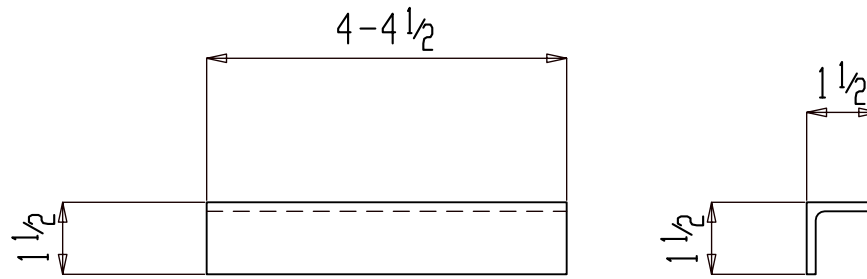
NO PAINT

1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ANGLE	DATE:	05-26-22
		JOB NUMBER	459
		SHEET NO.	p69
REV.			△ 0

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



8 L 1 1/2 x 1 1/2 x 3/16 x 4-4 1/2 p70

GRADE: A36

NO PAINT

4	B108
2	B107
2	B106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

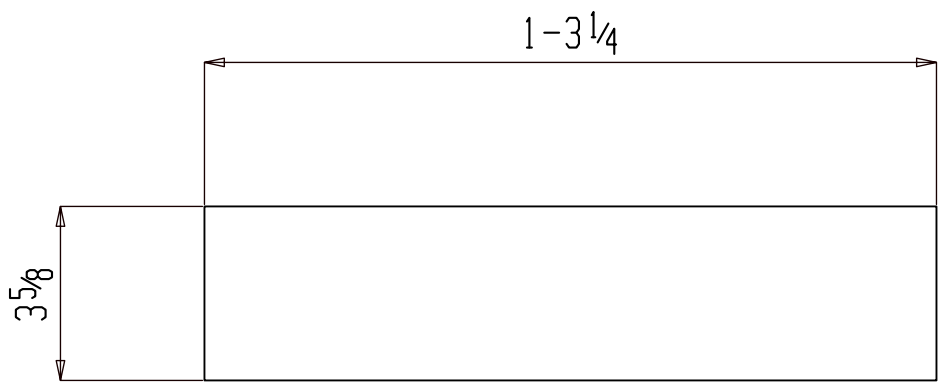
DATE: 05-26-22

DESCRIPTION: ANGLE

JOB NUMBER | SHEET NO. | REV

459 | p70 |

	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



12 PL 1/4 x 3 5/8 x 1-3 1/4 p92

GRADE: A36

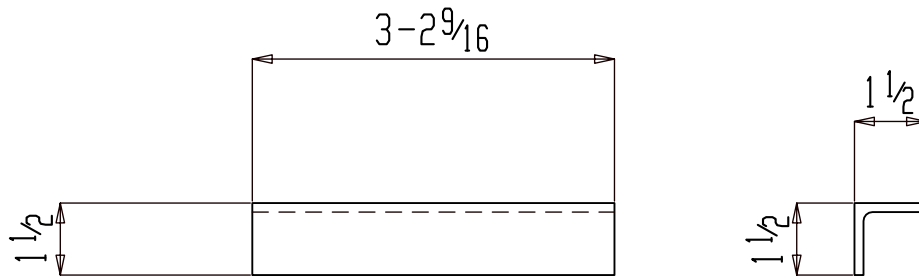
NO PAINT

12	M254
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø			
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	PLATE	JOB NUMBER	SHEET NO.	REV	
		459	p92		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



6 L 1 1/2 x 1 1/2 x 3/16 x 3 - 2 9/16 p97

GRADE: A36

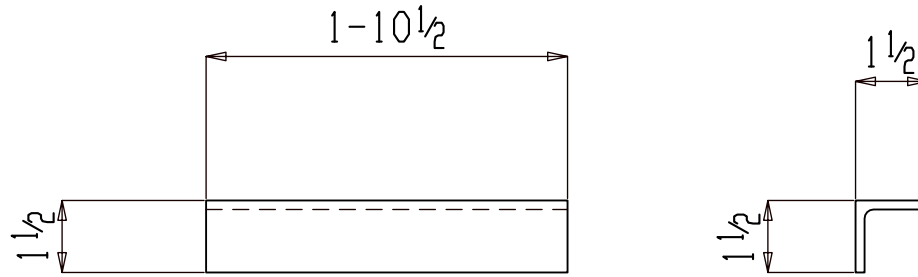
NO PAINT

3	B102
3	B101
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ANGLE	DATE:	05-26-22
		JOB NUMBER	SHEET NO.
		459	p97
			REV
			0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



6 L1 1/2 x 1 1/2 x 3/16 x 1-10 1/2 p98

GRADE: A36

NO PAINT

3	B102
3	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: ANGLE

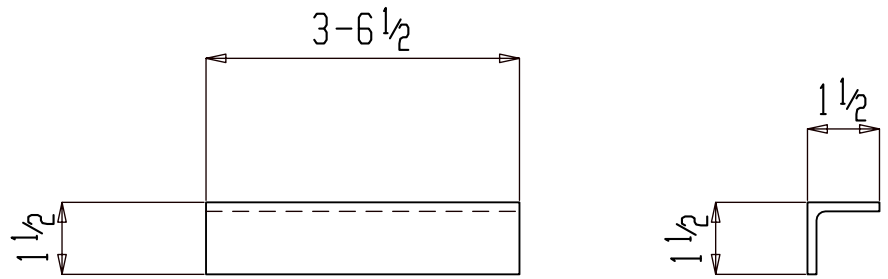
JOB NUMBER	SHEET NO.	REV
------------	-----------	-----

459

p98



△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



4 L 1 1/2 x 1 1/2 x 3/16 x 3-6 1/2 p99

GRADE: A36

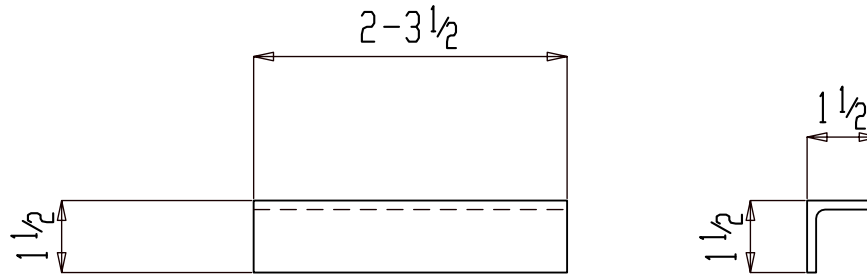
NO PAINT

2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ANGLE	DATE:	05-26-22
		JOB NUMBER	SHEET NO.
		459	p99
			REV
			0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



4 L1 1/2 x 1 1/2 x 3/16 x 2-3 1/2 p100

GRADE: A36

NO PAINT

2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

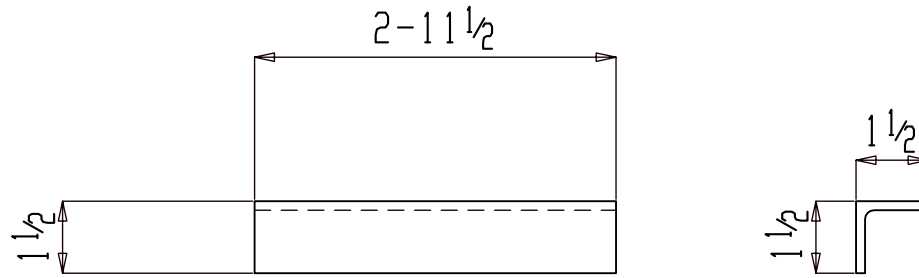
DATE: 05-26-22

DESCRIPTION: ANGLE

JOB NUMBER | SHEET NO. | REV

459 | p100 | △

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



4 L 1 1/2 x 1 1/2 x 3/16 x 2-11 1/2 p101

GRADE: A36

NO PAINT

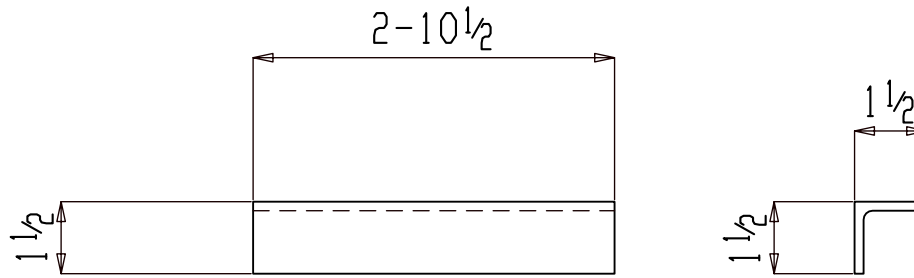
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p101		0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 2-10 1/2 p102

GRADE: A36

NO PAINT

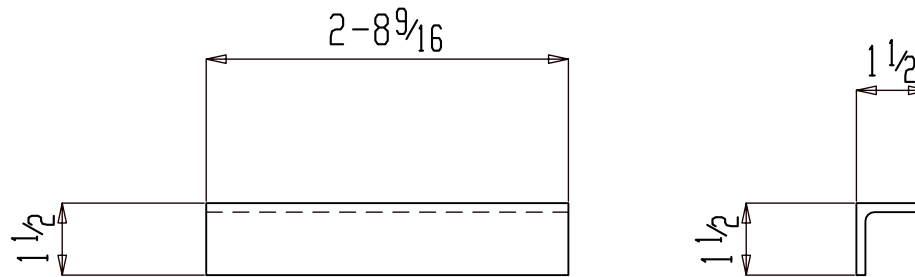
1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p102		0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 2-8 9/16 p103

GRADE: A36

NO PAINT

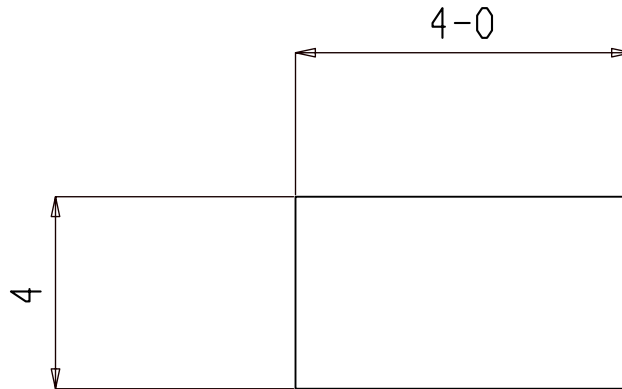
1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p103		△

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



ONE FB $\frac{3}{8}$ x4x4-0 p128

GRADE: A36

NO PAINT

1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

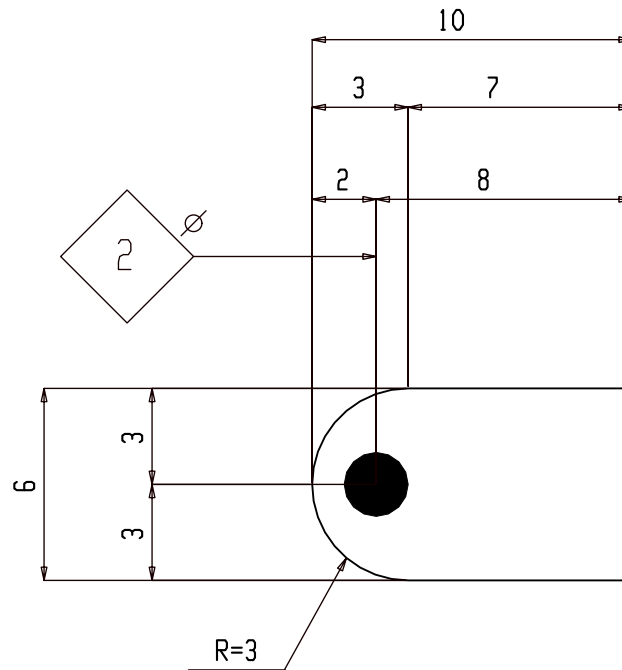
DATE: 05-26-22

DESCRIPTION: PLATE

JOB NUMBER | SHEET NO. | REV

459 | p128 | \varnothing

REV.	DESCRIPTION	BY	DATE
\varnothing	For Fabrication	ALN	07-18-22
\triangle			
\triangle			
\triangle			



4 PL³/₄x6x0-10 p203

GRADE: A36

(TOW EYE PLATE)

NO PAINT

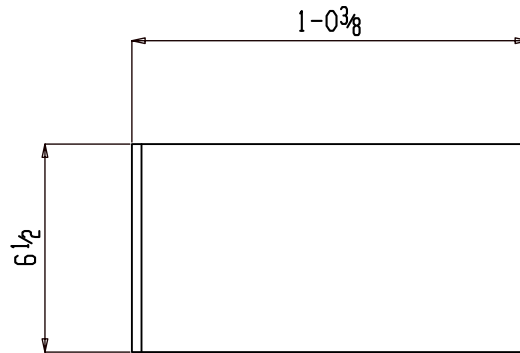
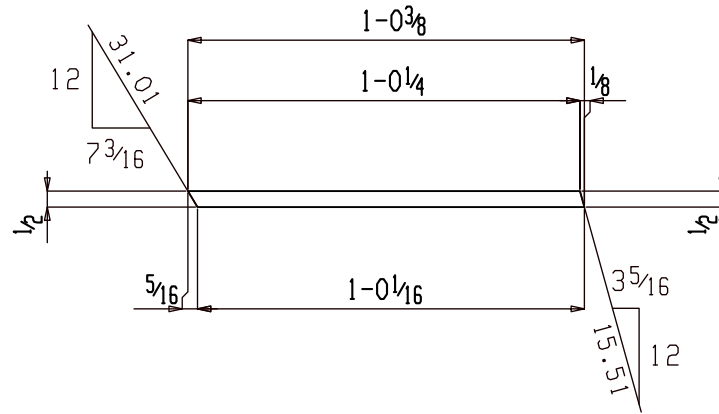
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	TOW EYE PLATE	JOB NUMBER	459	SHEET NO.	p203
					REV

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



4 PL 1/2 x 6 1/2 x 1-0 3/8 p205

GRADE: A36

NO PAINT

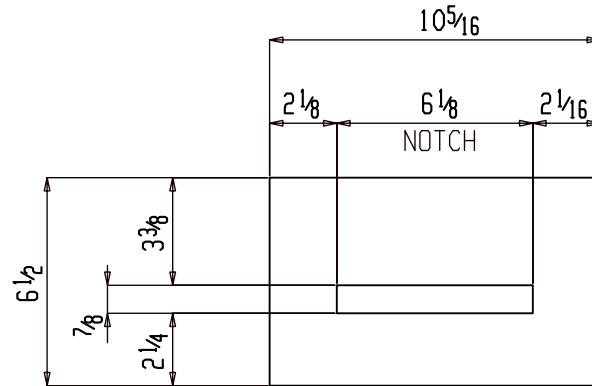
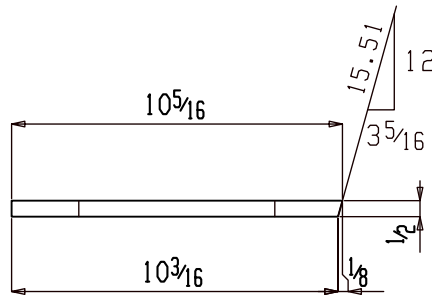
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	PLATE	JOB NUMBER	459	SHEET NO.	p205
		REV			△



2 PL 1/2 x 6 1/2 x 0-10 5/16 p210

GRADE: A36

NO PAINT

1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

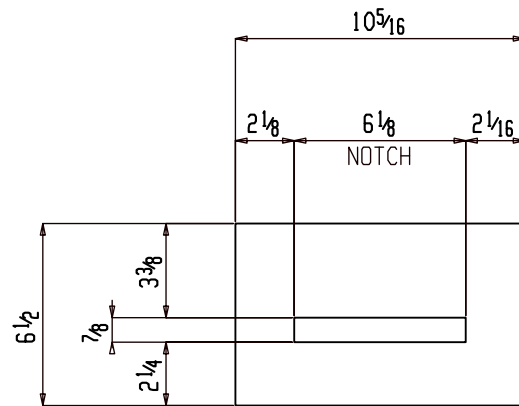
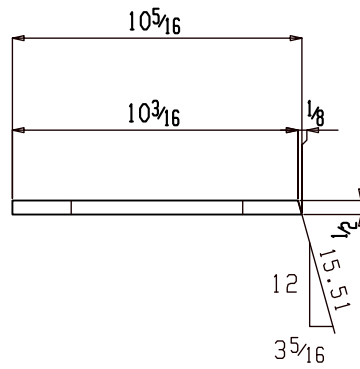
DATE: 05-26-22

DESCRIPTION: PLATE

JOB NUMBER | SHEET NO. | REV

459 | p210 | 0

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



2 PL 1/2 x 6 1/2 x 0-10 5/16 p213

GRADE: A36

NO PAINT

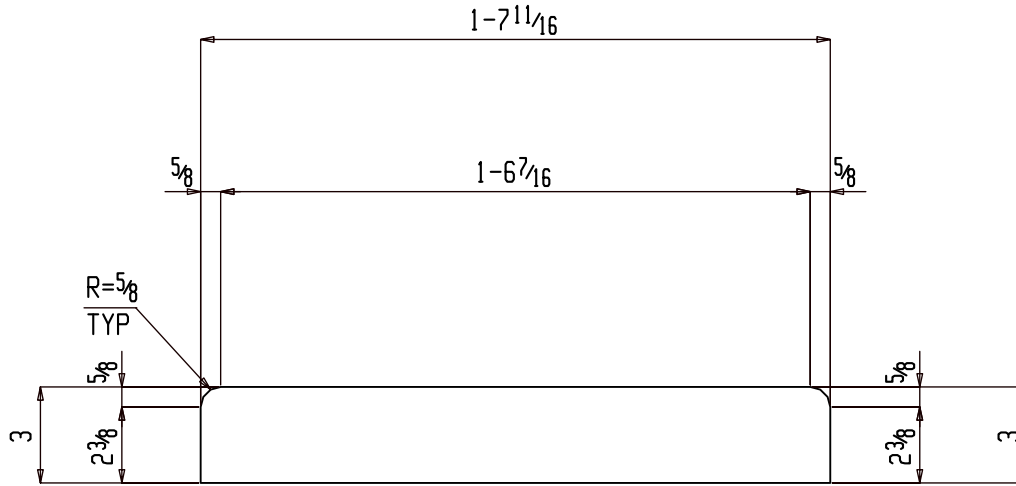
1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	PLATE	JOB NUMBER	459	SHEET NO.	p213
					REV

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



4 PL $\frac{1}{2} \times 3 \times 1-7\frac{11}{16}$ p224

GRADE: A36

NO PAINT

SHOP NOTE:

- DO NOT SHEAR WEB PLATES.
CUT WITH WATER JET, TORCH,
OR SAW.

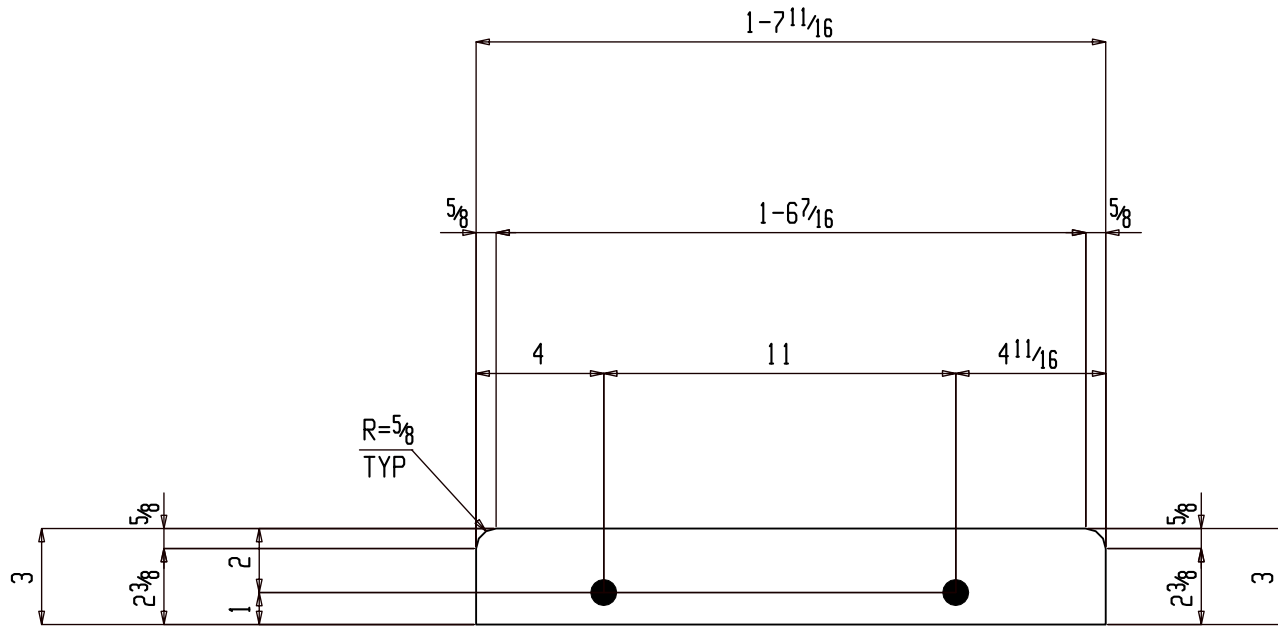
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	PLATE	JOB NUMBER	459	SHEET NO.	p224
		REV			\triangle

REV.	DESCRIPTION	BY	DATE
\triangle			
\triangle			
\triangle			
\triangle	For Fabrication	ALN	07-18-22



8 PL $\frac{1}{2} \times 3 \times 1-7\frac{1}{16}$ p226

GRADE: A36

NO PAINT

SHOP NOTE:

- DO NOT SHEAR WEB PLATES.
CUT WITH WATER JET, TORCH,
OR SAW.

5	B102
3	B101
QTY	ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: PLATE

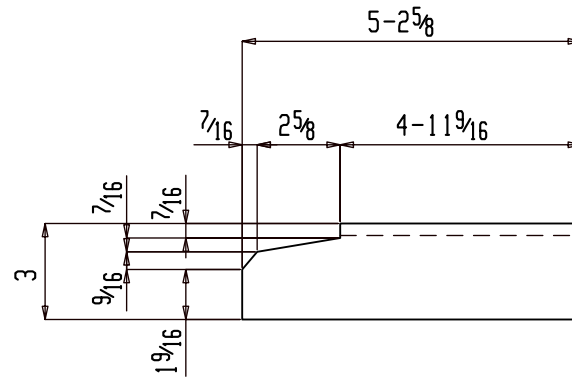
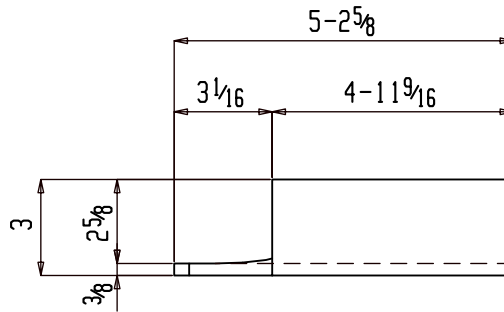
JOB NUMBER	SHEET NO.	REV
------------	-----------	-----

459

p226

$\triangle 0$

REV.	DESCRIPTION	BY	DATE
$\triangle 0$	For Fabrication	ALN	07-18-22



2 L3x3x3/8x5-25/8 p332

GRADE: A36

NO PAINT

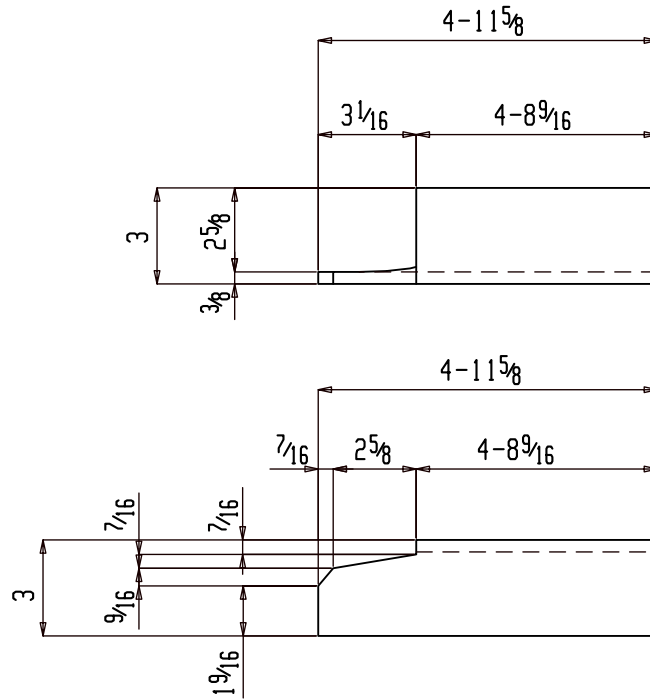
2	AS102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	459	SHEET NO.	p332
		REV			0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x³/₈x4-11⁵/₈ p333

GRADE: A36

NO PAINT

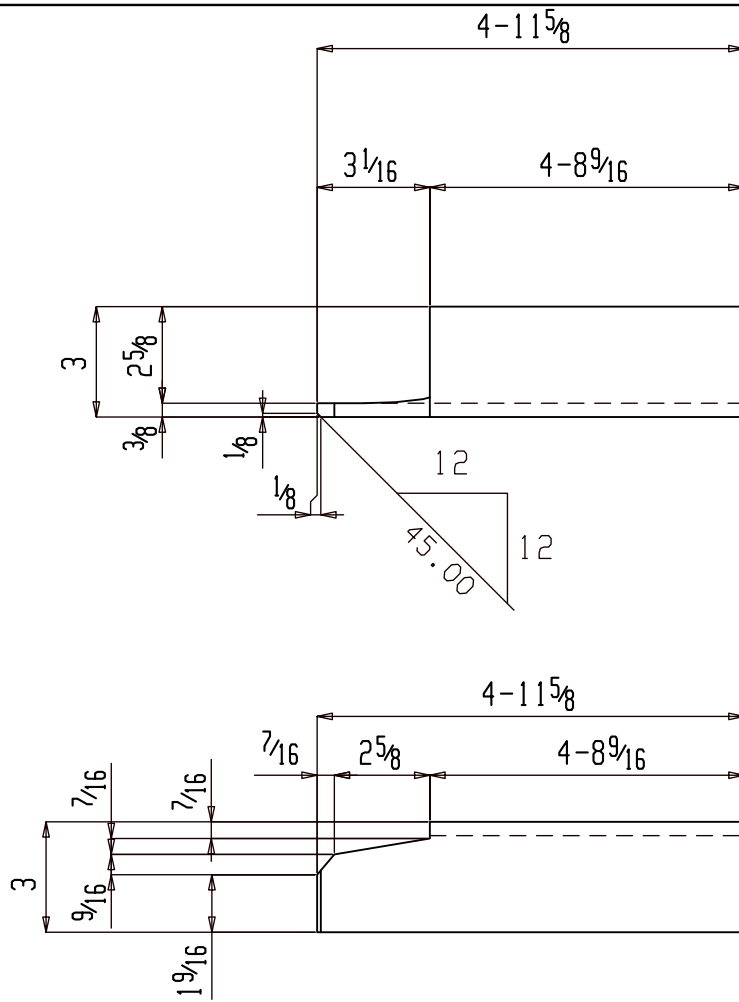
1	AS102
QTY	QTY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p333		△

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x3/8x4-11 5/8 p334

GRADE: A36

NO PAINT

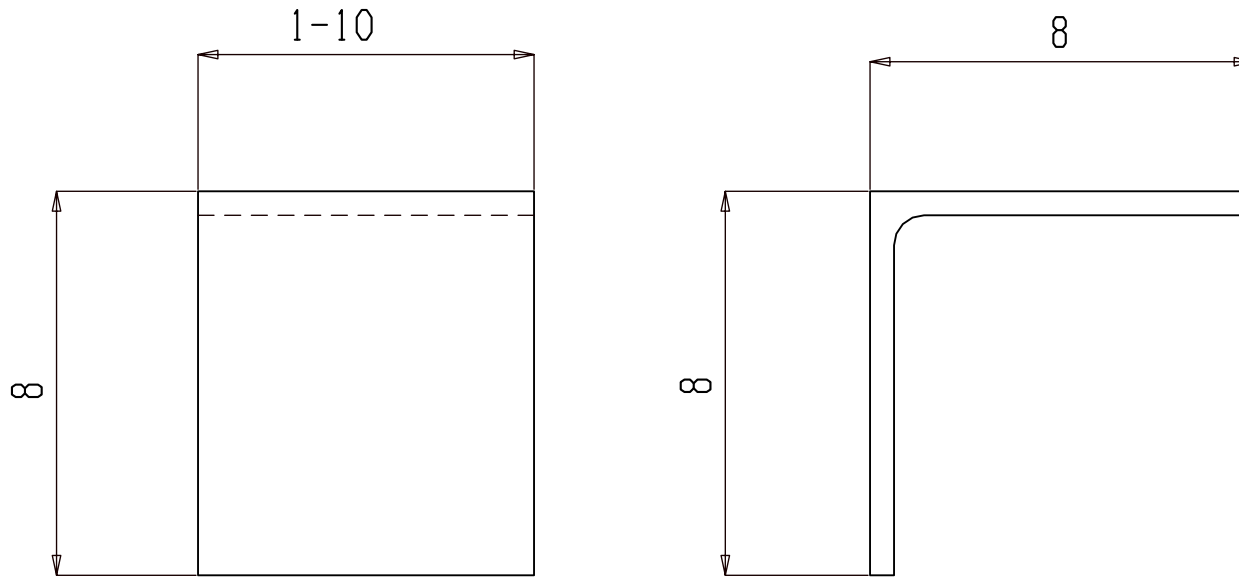
For Fabrication

1	AS102
QTY	ASSY

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p334		0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



3 L8x8x1/2x1-10 p339

GRADE: A36

NO PAINT

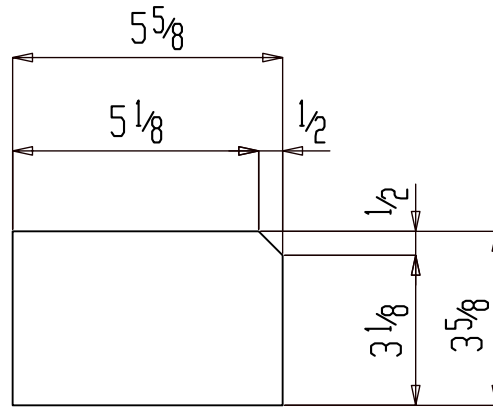
3	FR108
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p339		0

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



24 PL $3\frac{1}{8} \times 3\frac{5}{8} \times 0-5\frac{5}{8}$ p342

GRADE: A36

NO PAINT

24 M254

QTY ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

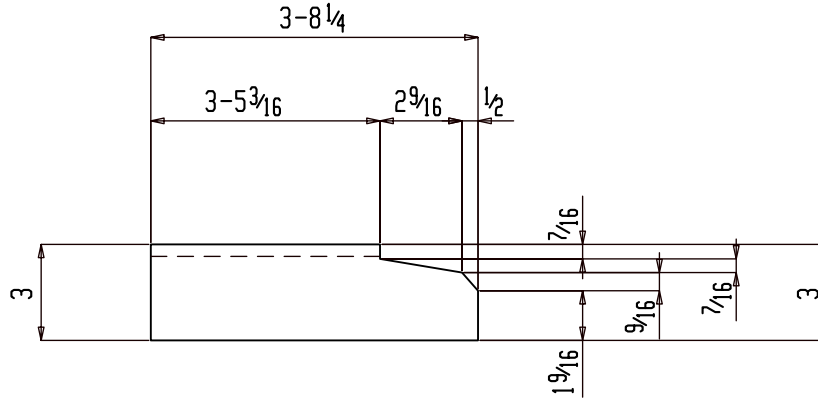
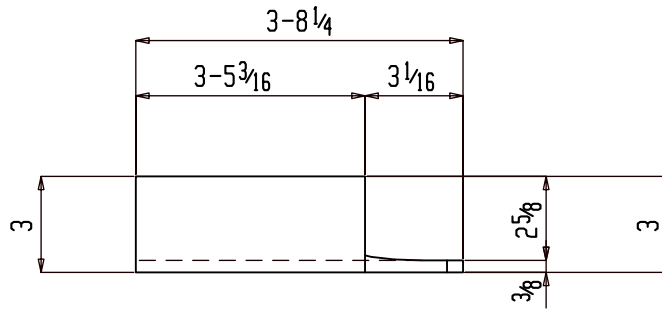
DATE: 05-26-22

DESCRIPTION: PLATE

JOB NUMBER SHEET NO. REV

459 p342 \triangle

\triangle			
\triangle			
\triangle			
\triangle			
\triangle	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x $\frac{3}{8}$ x3-8 $\frac{1}{4}$ p344

GRADE: A36

NO PAINT

1	FR102
QTY	ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME: RAMPART POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: ANGLE

DR. BY: PKM | CHK. BY: ALN

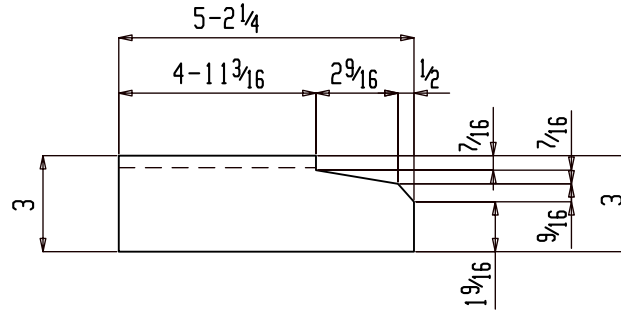
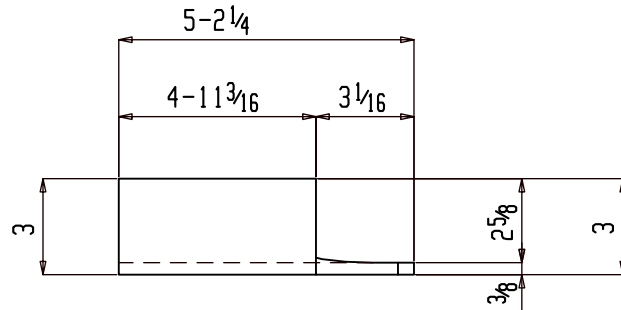
SCALE: N.A.

DATE: 05-26-22

JOB NUMBER | SHEET NO. | REV

459 | p344 | \triangle

\triangle			
\triangle			
\triangle			
\triangle			
\triangle	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x3/8x5-2 1/4 p346

GRADE: A36

NO PAINT

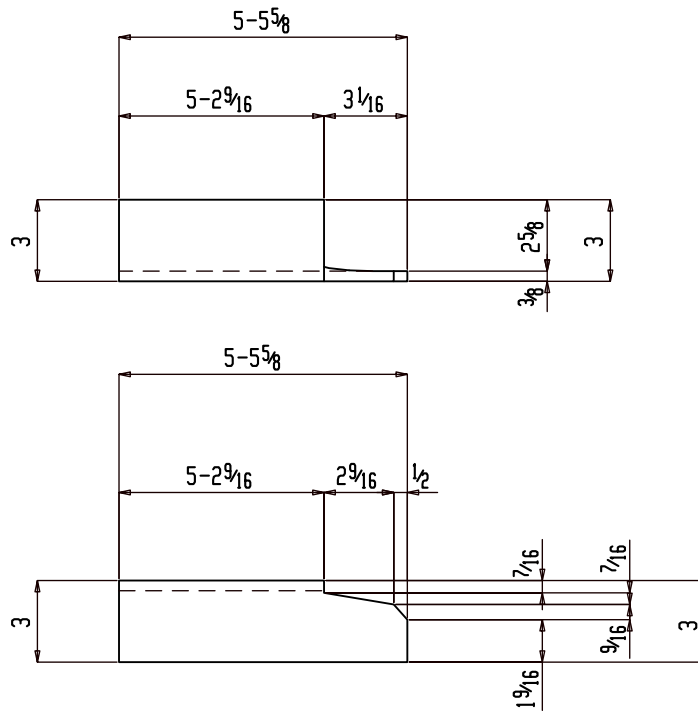
1	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	ANGLE	JOB NUMBER	459	SHEET NO.	p346
					REV

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x3/8x5-5/8 p347

GRADE: A36

NO PAINT

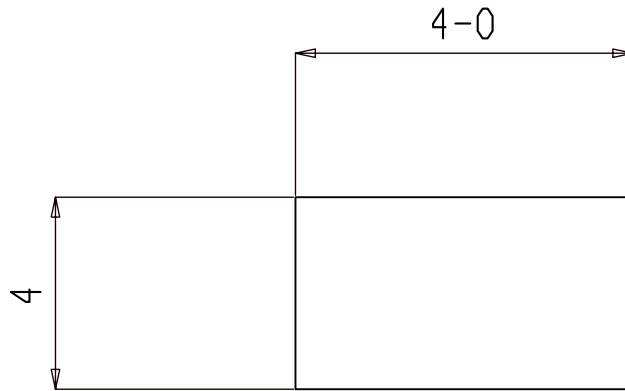
1	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p347		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



ONE FB $\frac{3}{8}$ x4x4-0 p393

GRADE: A36

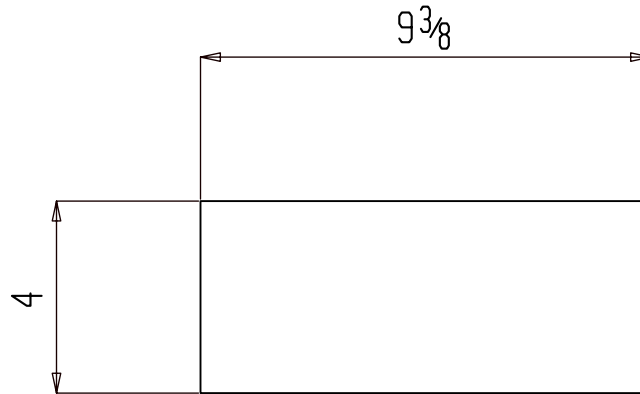
NO PAINT

1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$		DR. BY: PKM	CHK. BY: ALN
JOB NAME: RAMPART POWER SYSTEM UPGRADE		SCALE: N.A.	
LOCATION: ALASKA		DATE: 05-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET NO.
DESCRIPTION: PLATE		459	p393

	For Fabrication	ALN	07-18-22		
REV.	DESCRIPTION	BY	DATE		



ONE FB $\frac{3}{8}$ x4x0-9 $\frac{3}{8}$ p404

GRADE: A36

NO PAINT

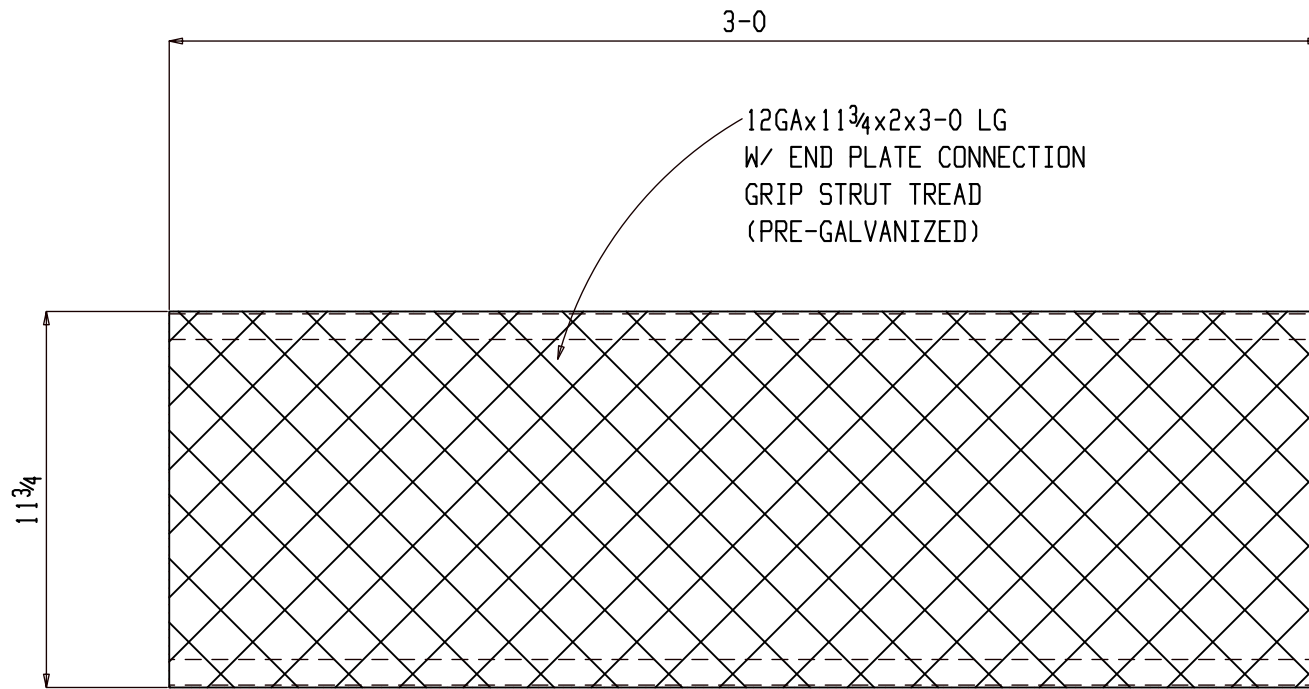
1	HR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	PLATE	JOB NUMBER	459	SHEET NO.	p404
					REV
					0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



7 GRIPSTRUT 12GAx1 1/4x2x3-0 p461

PRE-GALVANIZED

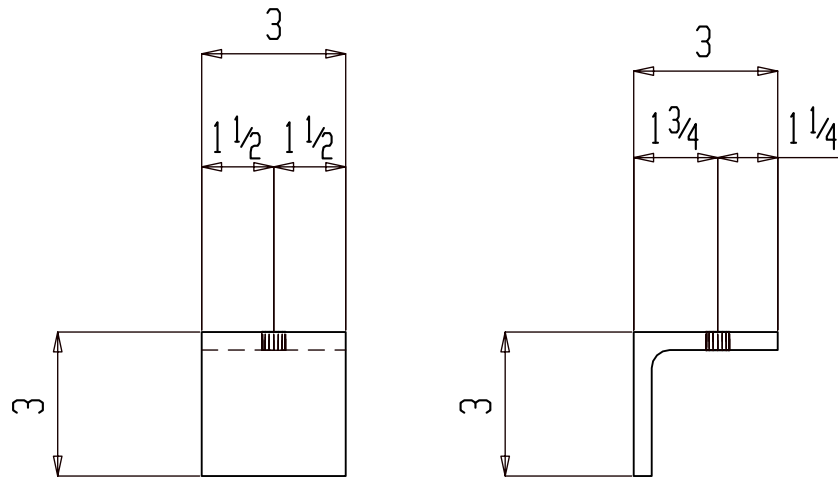
7	S101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	GRIPSTRUT	JOB NUMBER	SHEET NO.	REV	
		459	p461		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



2 L3x3x3/8x0-3 p466

GRADE: A36

NO PAINT

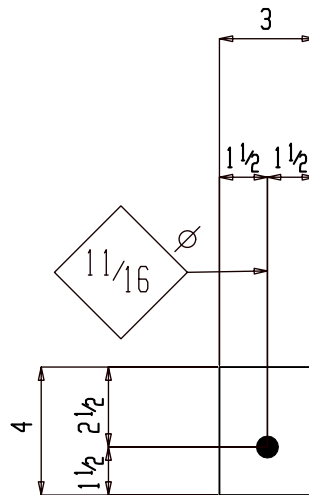
2	S101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	ANGLE	JOB NUMBER	SHEET NO.	REV	
		459	p466		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



2 FB $1\frac{1}{2}$ x4x0-3 p468

GRADE: A36

NO PAINT

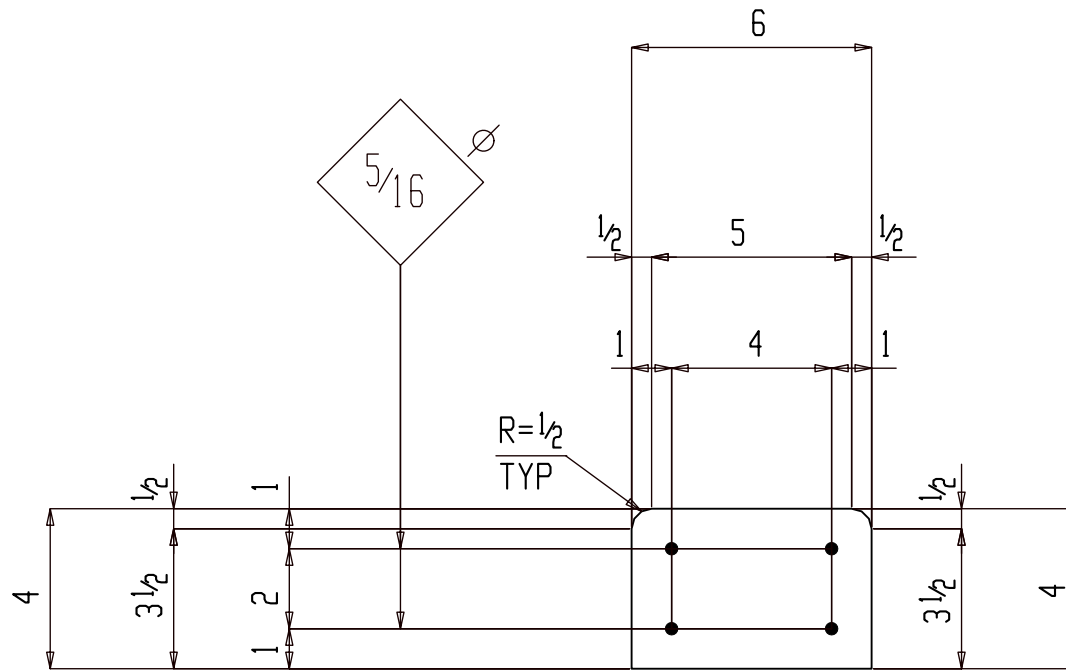
2	FR102
QTY	ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	PLATE	JOB NUMBER	459	SHEET NO.	p468
					REV \emptyset

REV.	DESCRIPTION	BY	DATE
\emptyset	For Fabrication	ALN	07-18-22
\triangle			
\triangle			
\triangle			



3 PL^{3/4}x4x0-6 p494

EPDM RUBBER PAD

1	M260
2	M259
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

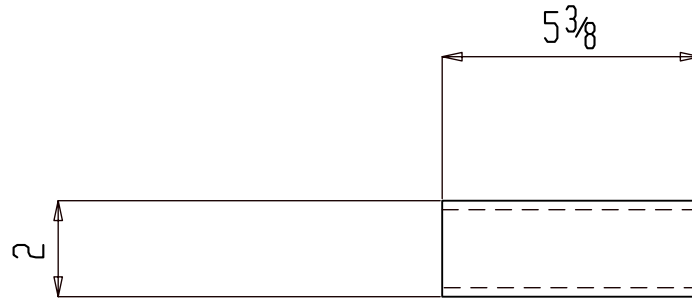
DESCRIPTION: EPDM RUBBER PAD

JOB NUMBER SHEET NO. REV

459 p494



△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x $\frac{3}{16}$ x0-5 $\frac{3}{8}$ t43

GRADE: A500B

NO PAINT

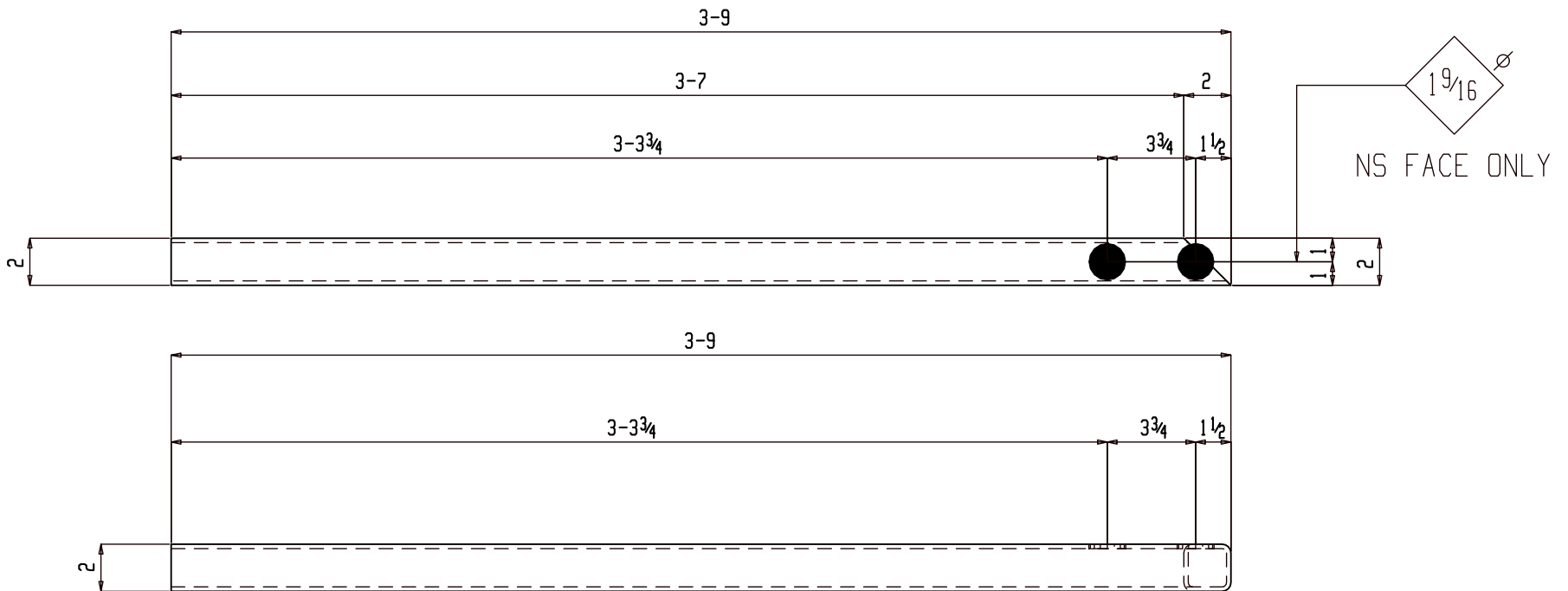
1	HR103
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t43
		REV			\triangle

\triangle			
\triangle			
\triangle			
\triangle	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x3/16x3-9 t46

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATOR OPTION TO PUNCH OVER RUN HOLE AFTER WELDING THIS t46 WITH HR105.

For Fabrication

1	HR105
QTY	ASSY

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

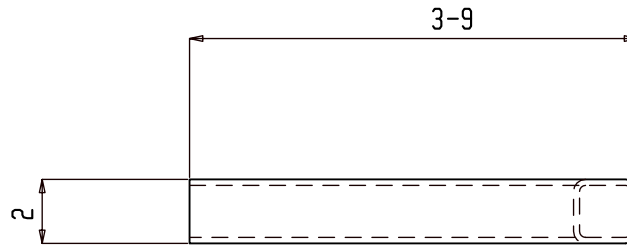
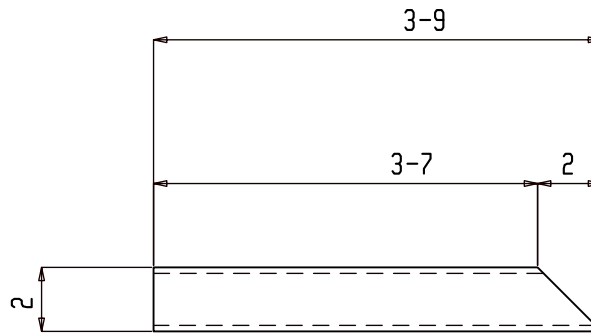
DATE: 05-26-22

DESCRIPTION: HSS

JOB NUMBER | SHEET NO. | REV

459 | t46 | 0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



4 HSS2x2x $\frac{3}{16}$ x3-9 t47

GRADE: A500B

NO PAINT

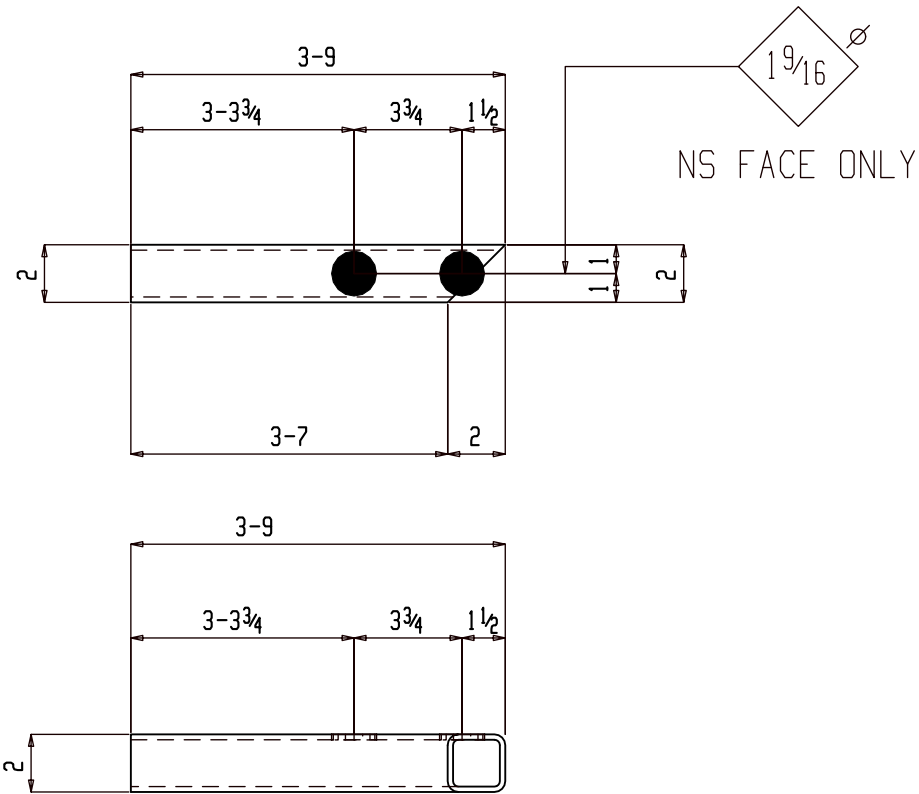
1	HR105
1	HR104
1	HR103
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t47
					REV $\frac{0}{1}$

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x³/₁₆x3-9 t48

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATOR OPTION TO PUNCH OVER RUN HOLE AFTER WELDING THIS t48 WITH HR104.

1	HR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

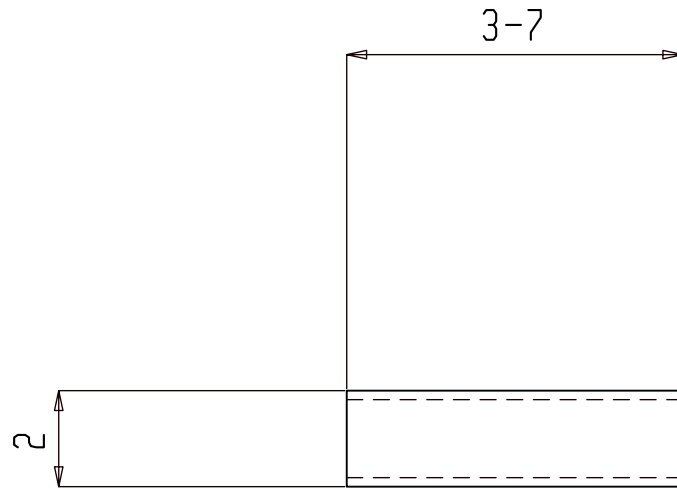
DATE: 05-26-22

DESCRIPTION: HSS

JOB NUMBER	SHEET NO.	REV
------------	-----------	-----

459	t48	0
-----	-----	---

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



ONE HSS2x2x $\frac{3}{16}$ x3-7 t49

GRADE: A500B

NO PAINT

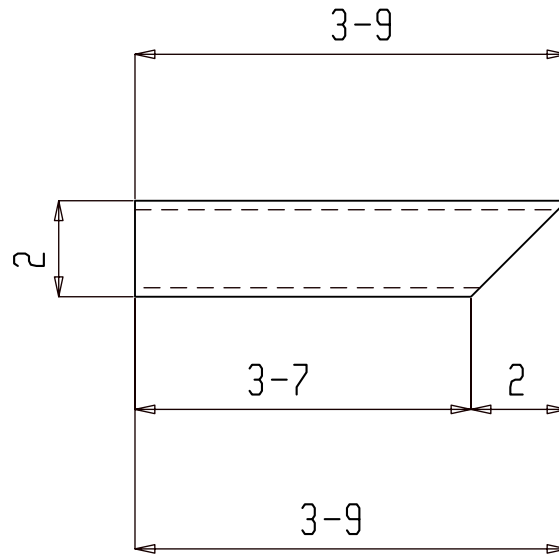
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t49
					REV

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x³/₁₆x3-9 t50

GRADE: A500B

NO PAINT

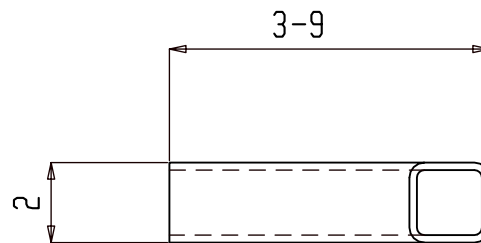
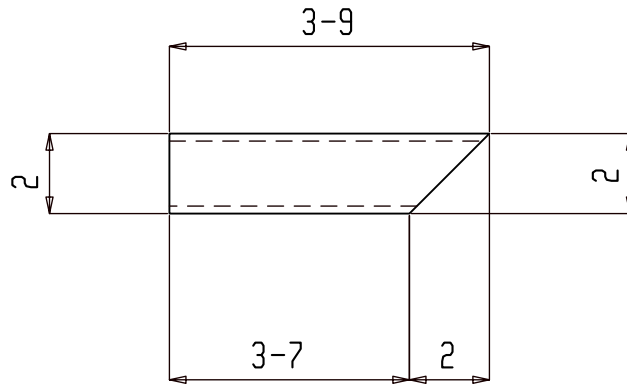
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t50
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



ONE HSS2x2x³/₁₆x3-9 t53

GRADE: A500B

NO PAINT

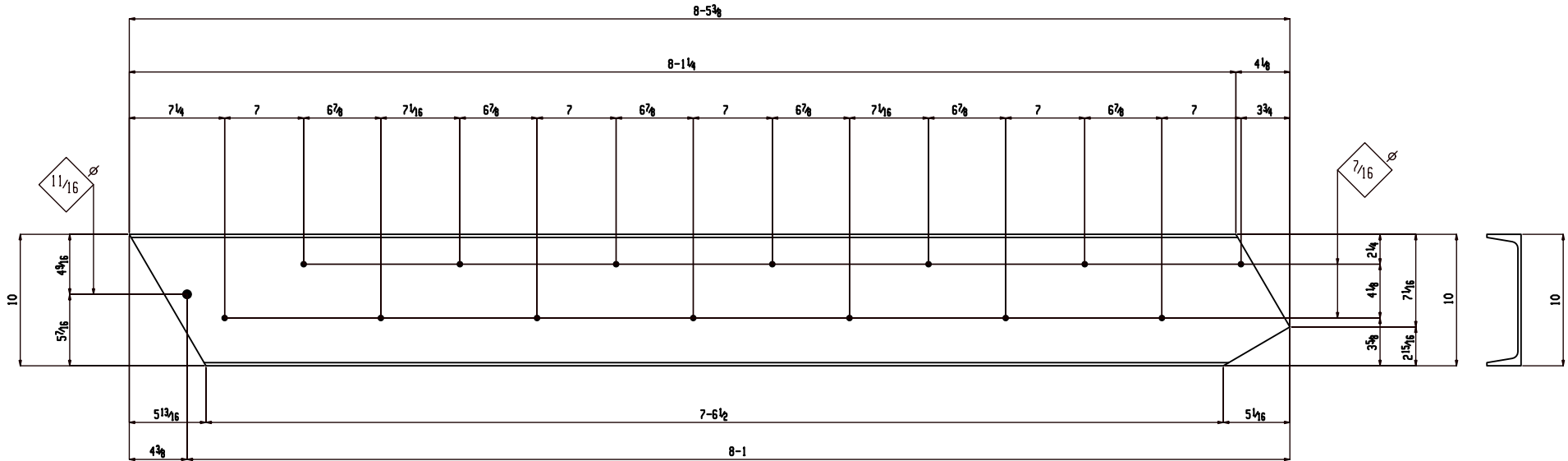
1	HR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t53
					REV 0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE C10x15.3x8-7 1/16 t54

GRADE: A36

NO PAINT

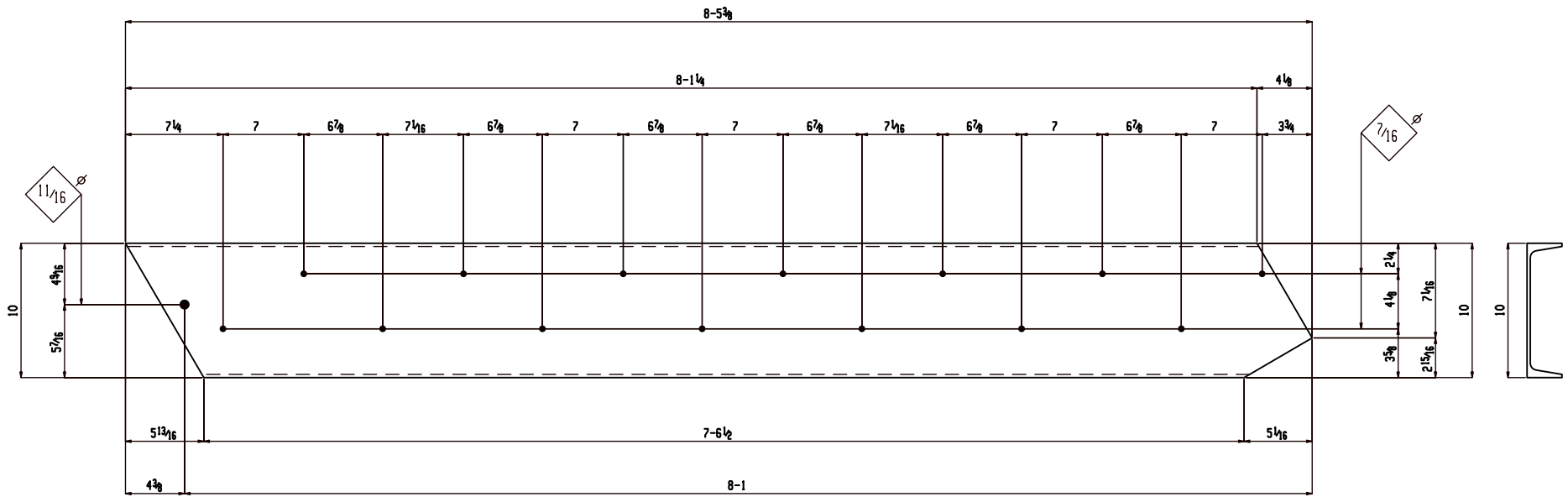
1	S101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	CHANNEL	JOB NUMBER:	459	SHEET NO.:	t54
		REV:			0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



ONE C10x15.3x8-7 1/8 t55
GRADE: A36

NO PAINT

1	S101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

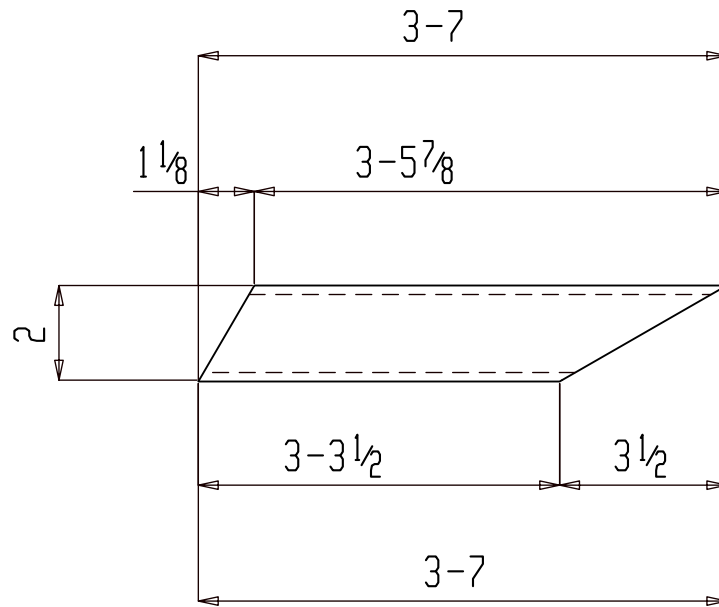
DATE: 05-26-22

DESCRIPTION: CHANNEL

JOB NUMBER | SHEET NO. | REV

459 | t55 | 0

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 HSS2x2x $\frac{3}{16}$ x3-7 t56

GRADE: A500B

NO PAINT

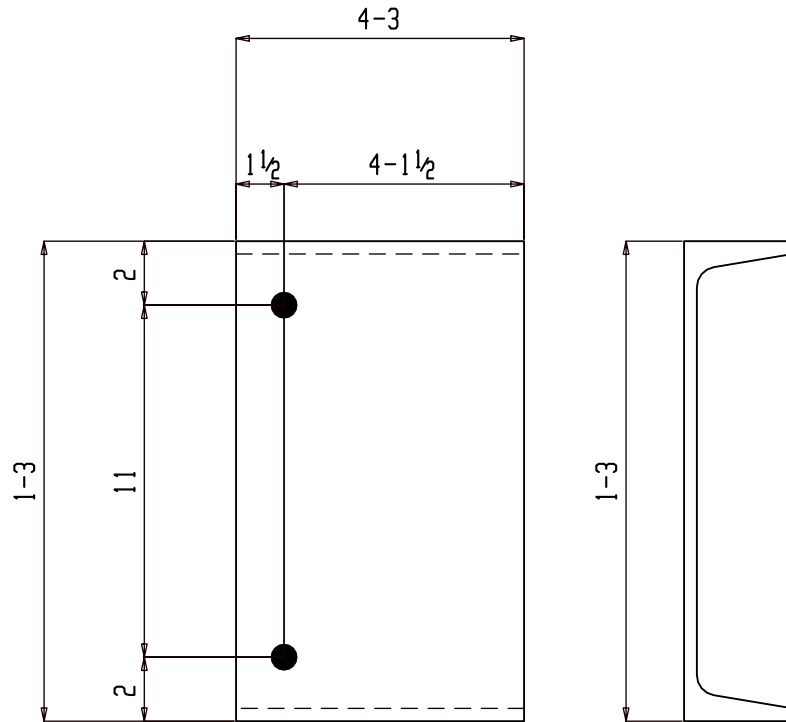
2	HR101
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t56
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



4 C15x33.9x4-3 t57

GRADE: A36

NO PAINT

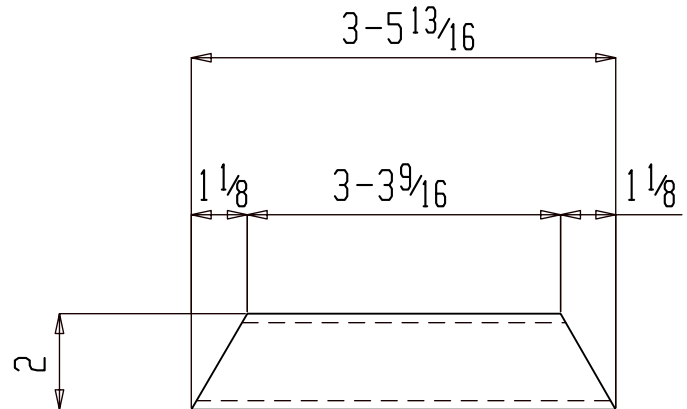
2	FR102
2	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	CHANNEL	JOB NUMBER	SHEET NO.	REV	
		459	t57		0

△			
△			
△			
△			
0	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 HSS2x2x $\frac{3}{16}$ x $3-5\frac{13}{16}$ t58

GRADE: A500B

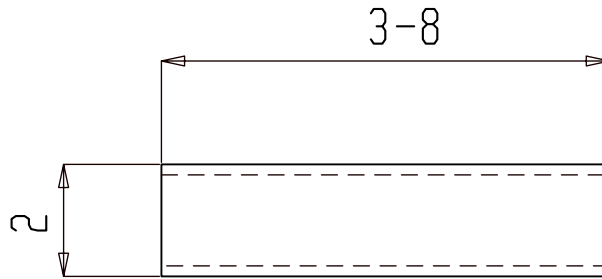
NO PAINT

2	HR101
QTY	ASSY

For Fabrication

HOLES U.N.		$\frac{13}{16}\varnothing$	
JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	HSS	DATE:	05-26-22
		JOB NUMBER	SHEET NO.
		459	t58
			REV
			0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



3 HSS2x2x³/₁₆x3-8 t64

GRADE: A500B

NO PAINT

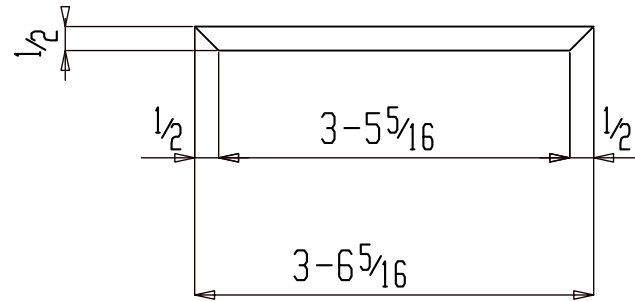
1	HR105
1	HT104
1	HT102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	SHEET NO.	REV	
		459	t64		△ ₀

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 SB 1/2 x 3-6 5/16 t67

GRADE: A36

NO PAINT

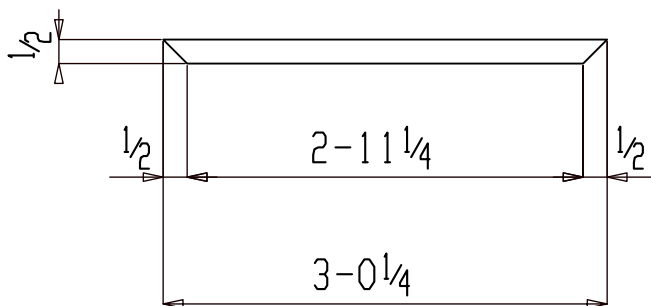
2	FR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	SQUARE BAR	JOB NUMBER	459	SHEET NO.	t67
					REV

△			
△			
△			
△	For Fabrication	ALN	07-20-22
REV.	DESCRIPTION	BY	DATE



2 SB 1/2 x 3-0 1/4 t70

GRADE: A36

NO PAINT

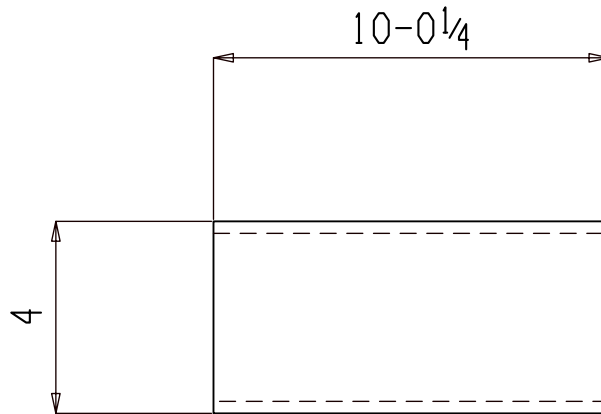
2	FR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	SQUARE BAR	JOB NUMBER	459	SHEET NO.	t70
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



ONE HSS4x4x $\frac{1}{4}$ x10-0 $\frac{1}{4}$ t92

GRADE: A500B

NO PAINT

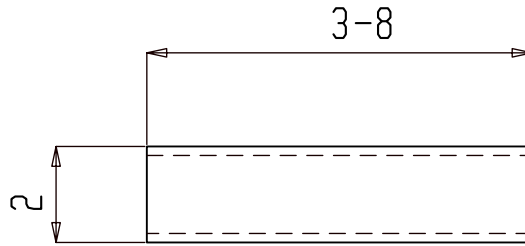
1	FR105
QTY	ASSY

For Fabrication

HOLES U.N. $13/16\emptyset$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t92
					REV
					0

REV.	DESCRIPTION	ALN	DATE
0	For Fabrication	ALN	07-18-22
		BY	DATE



ONE HSS2x2x $\frac{3}{16}$ x3-8 t97

GRADE: A500B

NO PAINT

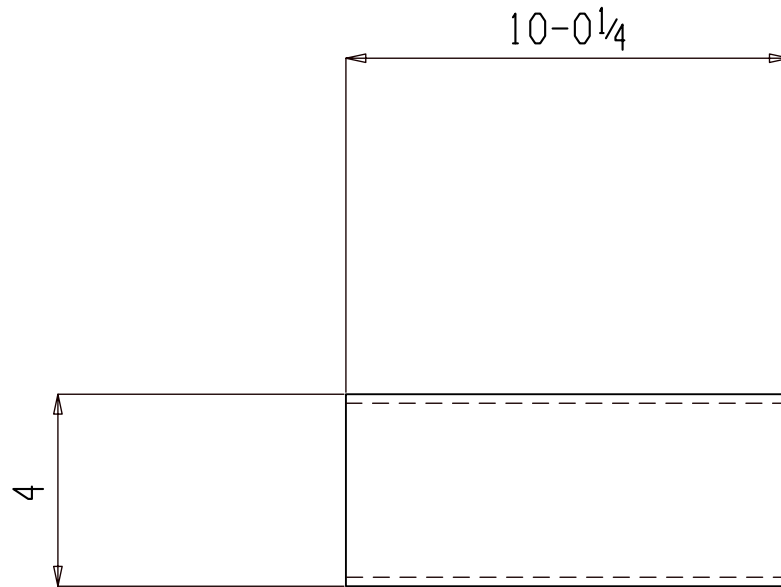
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\emptyset$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t97
					REV

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS4x2x³/₁₆x10-0¹/₄ t99

GRADE: A500B

NO PAINT

1	FR105
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

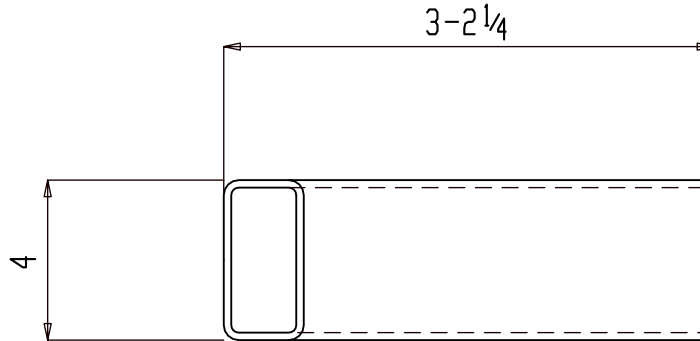
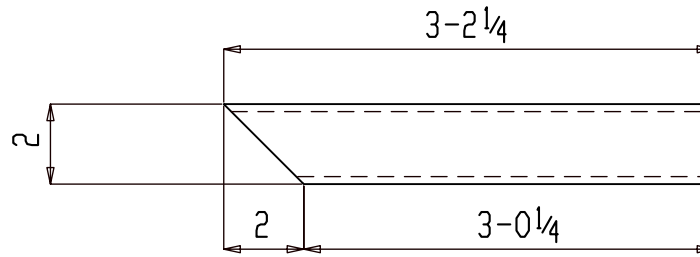
DATE: 05-26-22

DESCRIPTION: HSS

JOB NUMBER	SHEET NO.	REV
------------	-----------	-----

459	t99	△ ₀
-----	-----	----------------

△			
△			
△			
△			
△ ₀	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS4x2x³/₁₆x3-2¹/₄ t103

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

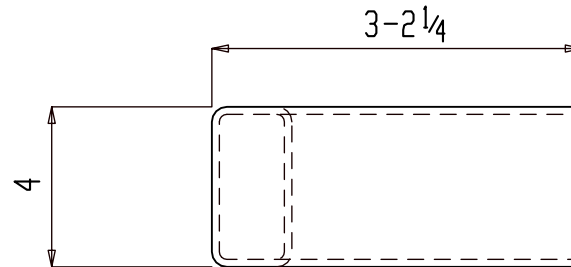
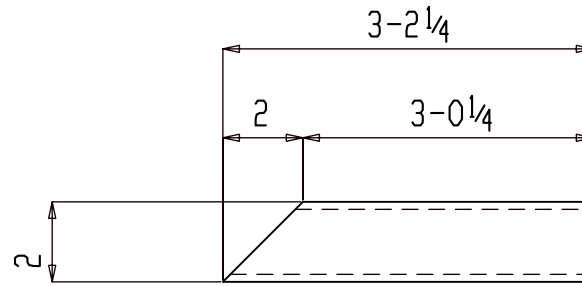
1	FR106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t103
					REV

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE HSS4x2x3/16x3-2 1/4 t105

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

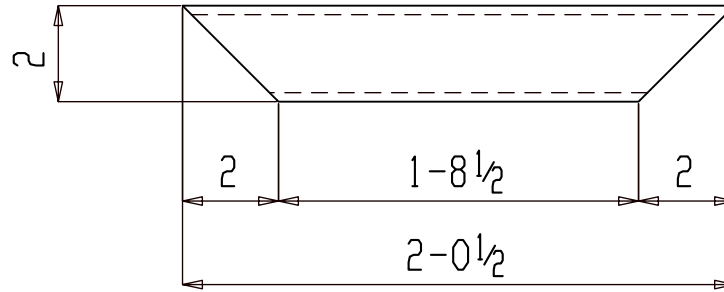
1	FR106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t105
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



6 HSS6x2x $\frac{3}{16}$ x2-0 $\frac{1}{2}$ t119

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

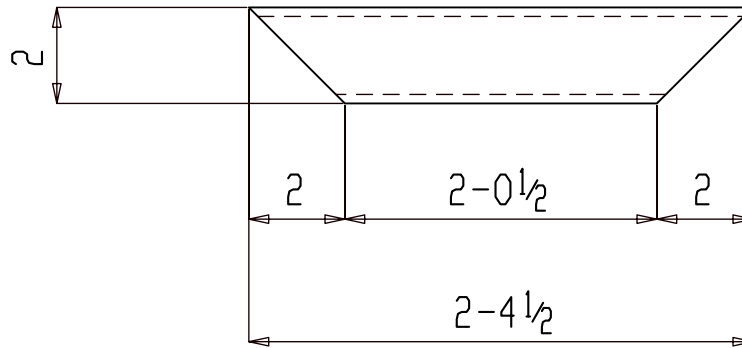
6	FR110
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\varnothing$

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t119
		REV			$\frac{0}{1}$

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



3 HSS6x2x³/₁₆ x2-4¹/₂ t122

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

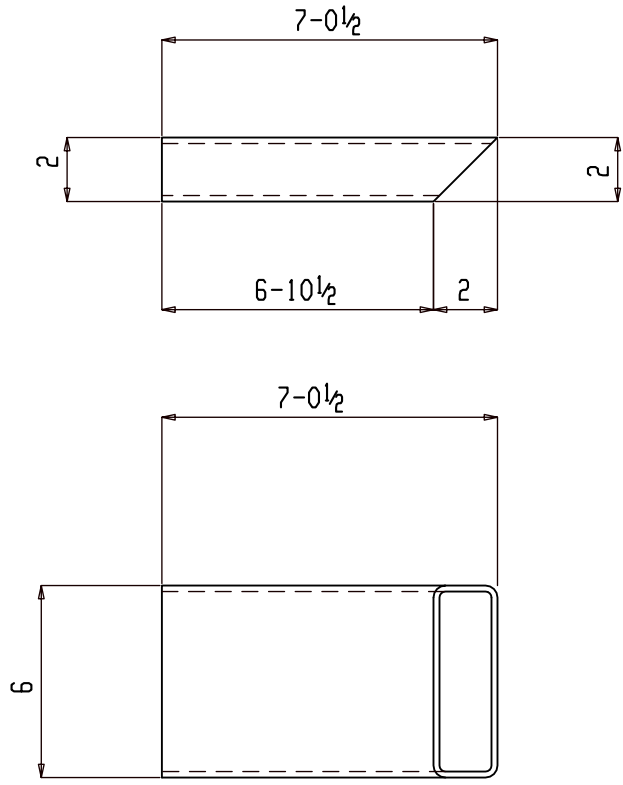
3	FR110
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t122
					REV 0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



2 HSS6x2x3/16x7-0 1/2 t132

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

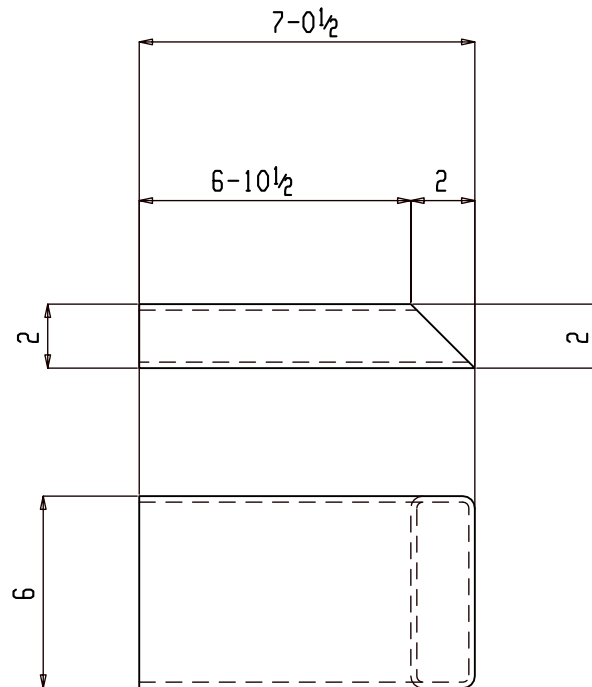
2	FR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE:	05-26-22		
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t132
					REV 0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



3 HSS6x2x3/16x7-0 1/2 t133

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

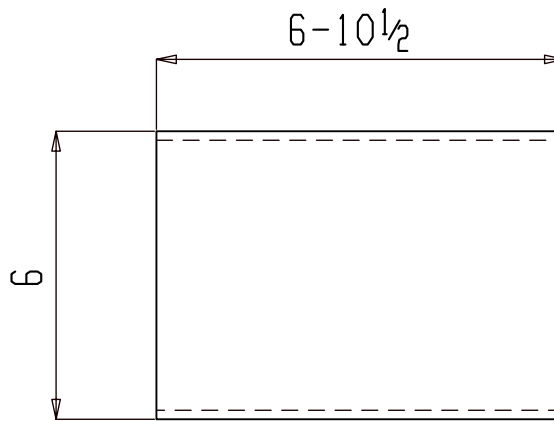
1	FR104
2	FR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t133
					REV 0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



ONE HSS6x2x³/₁₆x6-10¹/₂ t136

GRADE: A500B

NO PAINT

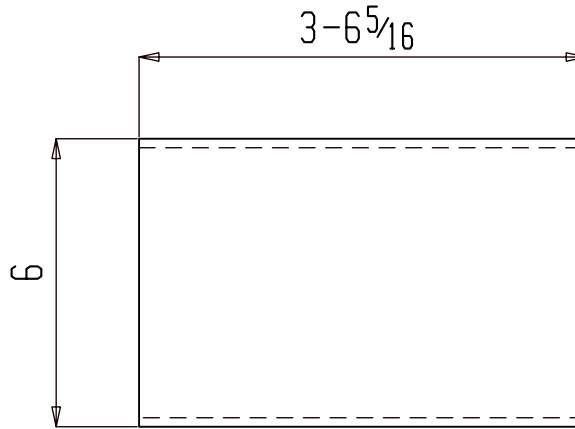
1	FR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t136
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



ONE HSS6x2x³/₁₆x3-6⁵/₁₆ t138

GRADE: A500B

NO PAINT

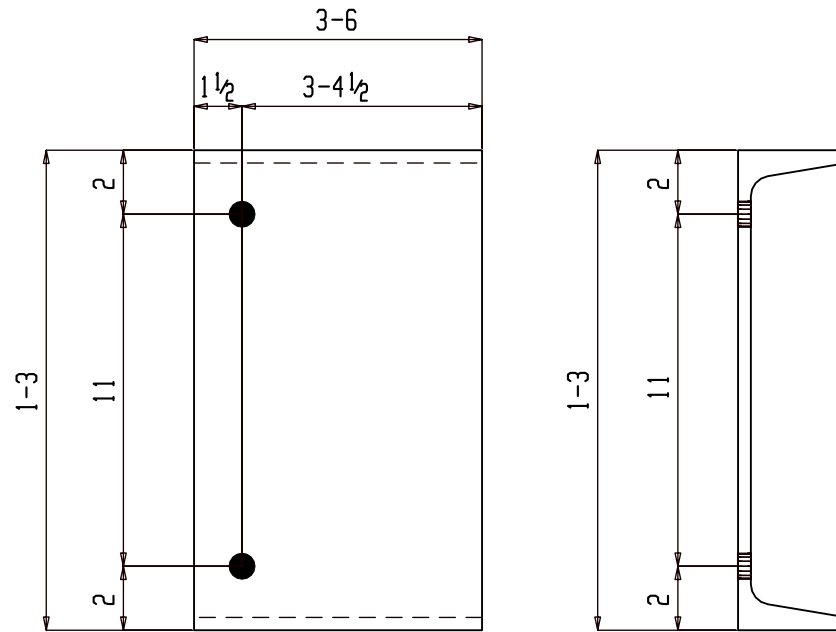
1	FR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t138
					REV 0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-18-22



ONE C15x33.9x3-6 t140

GRADE: A36

NO PAINT

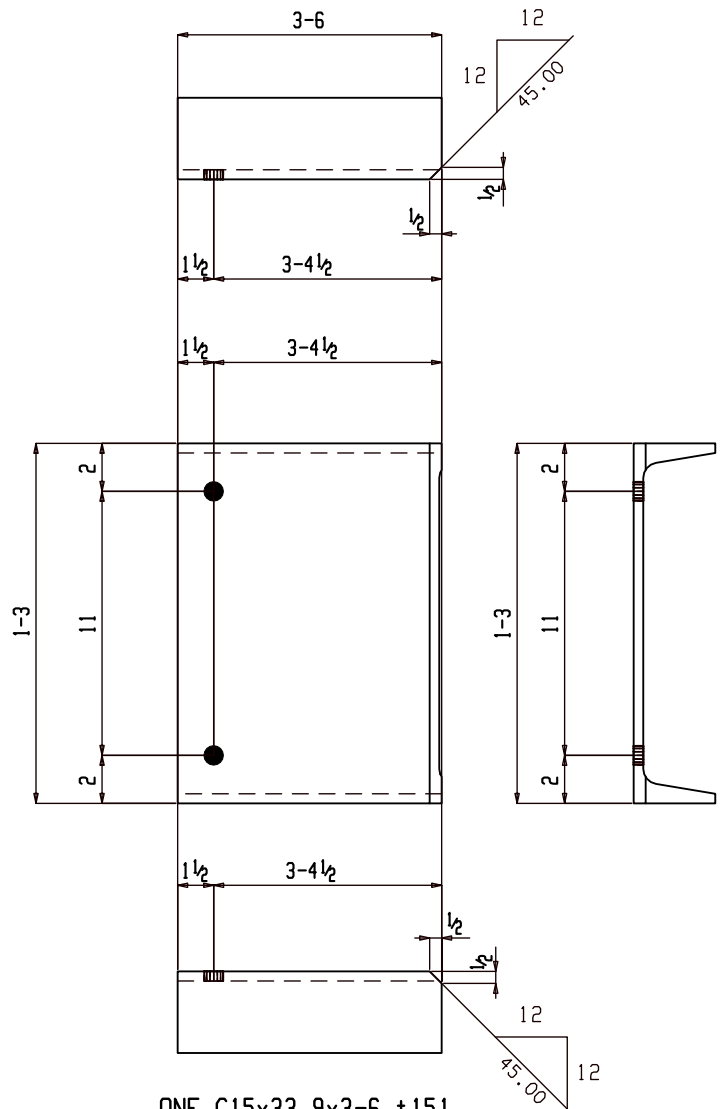
1	AS102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	CHANNEL	JOB NUMBER	SHEET NO.	REV	
		459	t140		0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE C15x33.9x3-6 t151

GRADE: A36

NO PAINT

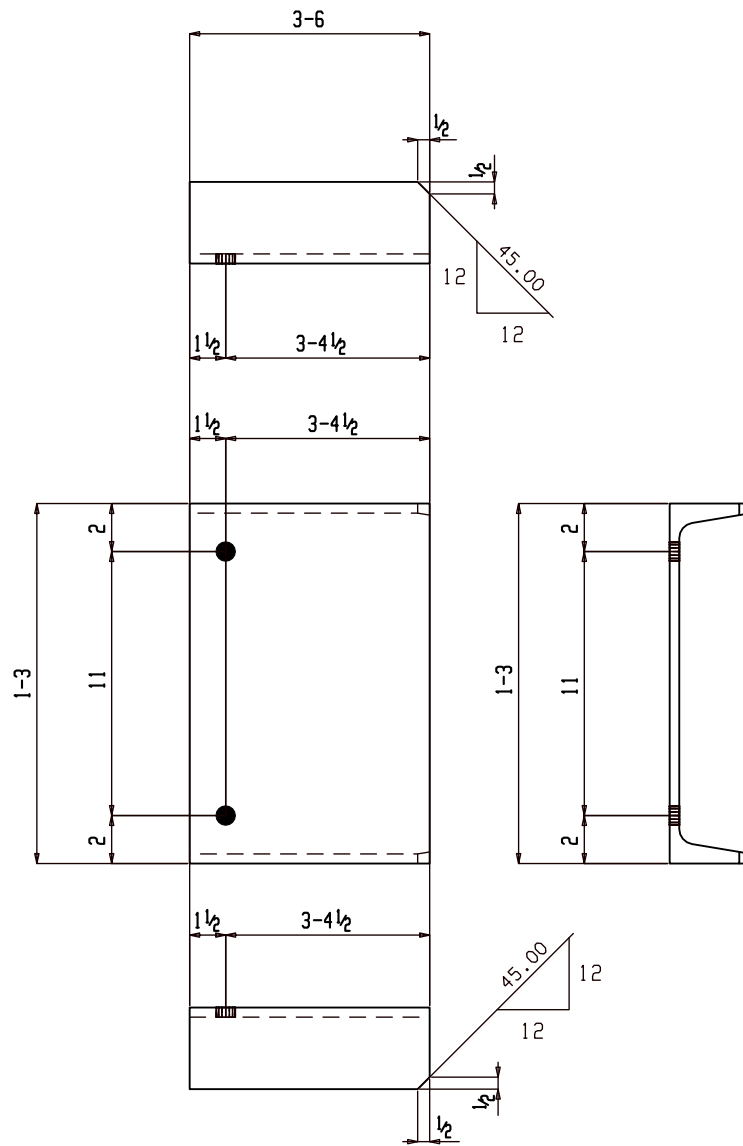
For Fabrication

1	AS102
QTY	ASSY

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	CHANNEL	JOB NUMBER	SHEET NO.	REV	
		459	t151		0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE C15x33.9x3-6 t157

GRADE: A36

NO PAINT

1	AS102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

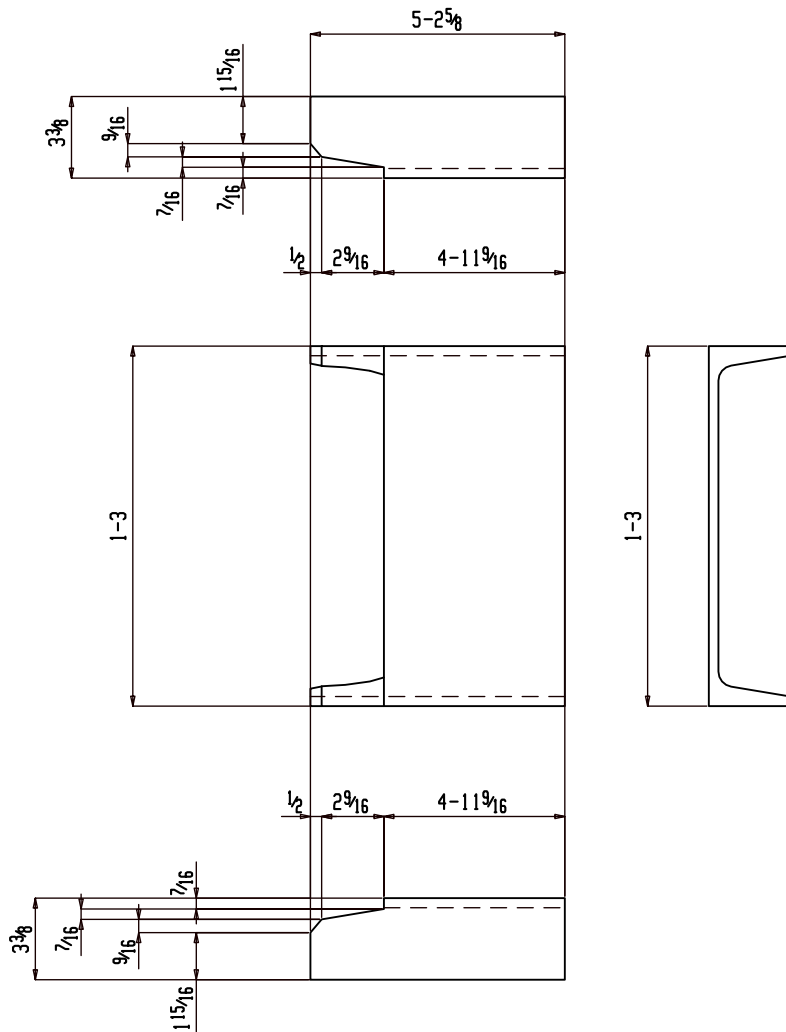
DATE: 05-26-22

DESCRIPTION: CHANNEL

JOB NUMBER	SHEET NO.	REV
------------	-----------	-----

459	t157	△ ₀
-----	------	----------------

△			
△			
△			
△			
△ ₀	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE C15x33.9x5-25/8 t165

GRADE: A36

NO PAINT

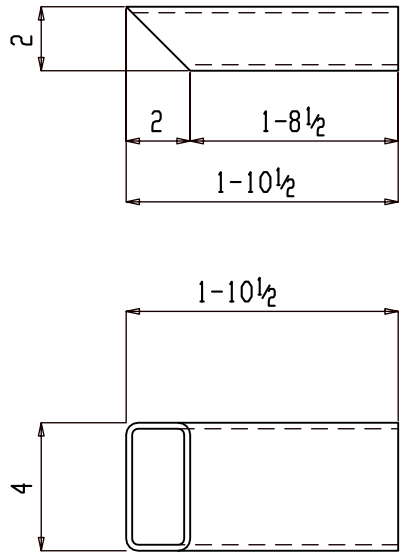
For Fabrication

1	AS102
QTY	ASSY

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	CHANNEL	JOB NUMBER	SHEET NO.	REV	
		459	t165	0	

△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



5 HSS4x2x³/₁₆x1-10¹/₂ t180

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

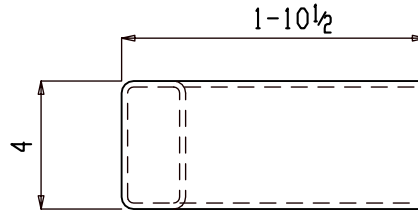
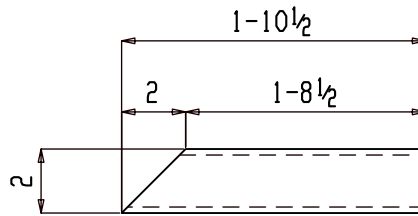
2	FR109
3	FR108
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t180
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22



5 HSS4x2x3/16x1-10 1/2 t181

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

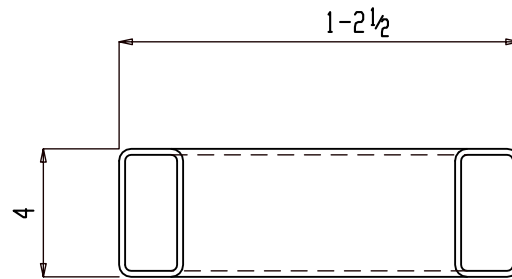
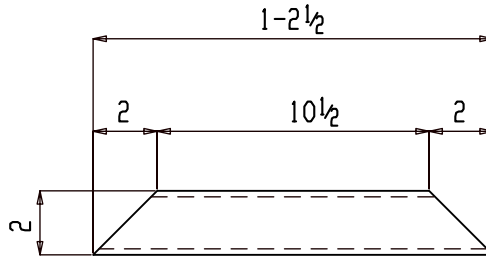
2	FR109
3	FR108
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t181
		REV			0

△			
△			
△			
△			
△	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



3 HSS4x2x³/₁₆x1-2 1/2 t184

GRADE: A500B

NO PAINT

SHOP NOTE:

1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

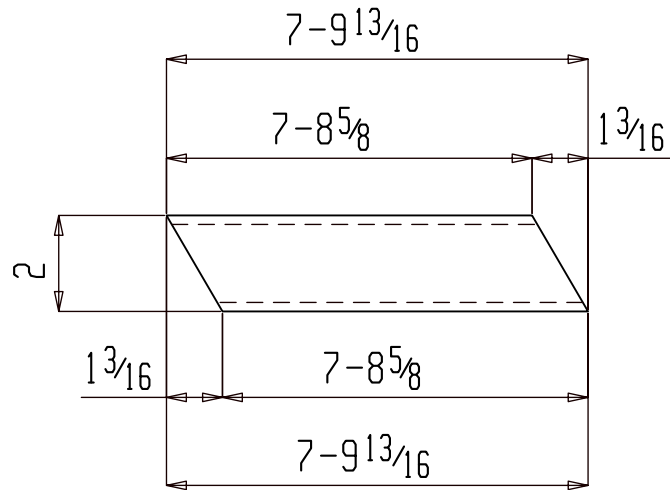
3	FR107
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	RAMPART POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
DESCRIPTION:	HSS	JOB NUMBER	459	SHEET NO.	t184
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-18-22



2 HSS2x2x $\frac{3}{16}$ x7-9 $\frac{13}{16}$ t280

GRADE: A500B

NO PAINT

2	HR101
QTY	ASSY

For Fabrication

HOLES U.N. $\frac{13}{16}\emptyset$

JOB NAME: RAMPART POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: HSS

DR. BY: PKM | CHK. BY: ALN

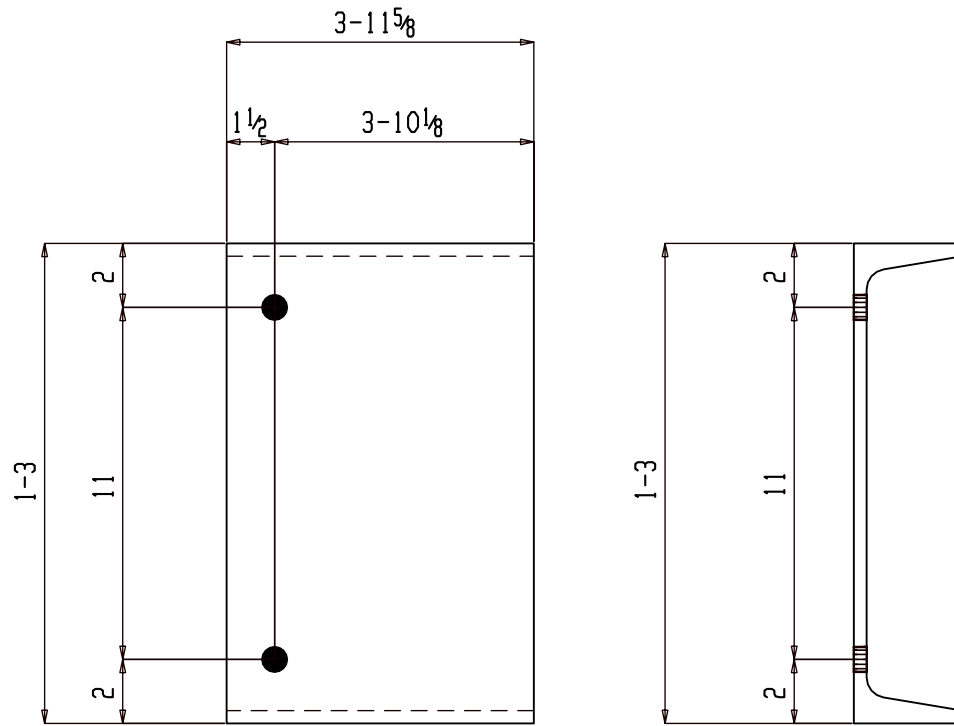
SCALE: N.A.

DATE: 05-26-22

JOB NUMBER | SHEET NO. | REV

459 | t280 | $\frac{0}{1}$

\triangle			
\triangle			
\triangle			
\triangle			
$\frac{0}{1}$	For Fabrication	ALN	07-18-22
REV.	DESCRIPTION	BY	DATE



ONE C15x33.9x3-11⁵/₈ t290

GRADE: A36

NO PAINT

For Fabrication

1 FR101

QTY ASSY

HOLES U.N. 13/16Ø

JOB NAME: RAMPART POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

For Fabrication

ALN 07-18-22

JOB NUMBER SHEET NO. REV

REV. DESCRIPTION

BY DATE

DESCRIPTION: CHANNEL

459 t290

0