

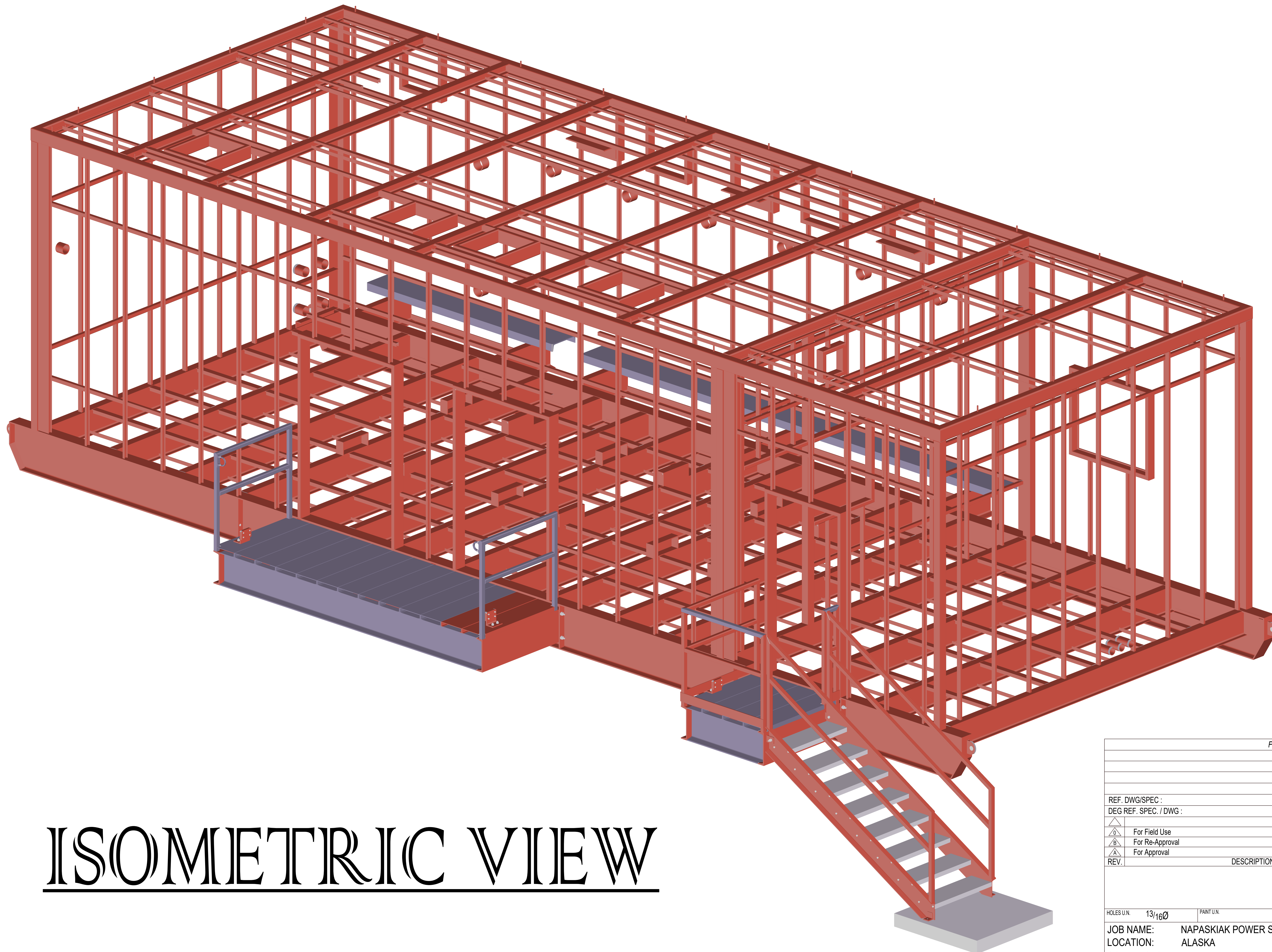
# ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V101	REV	△



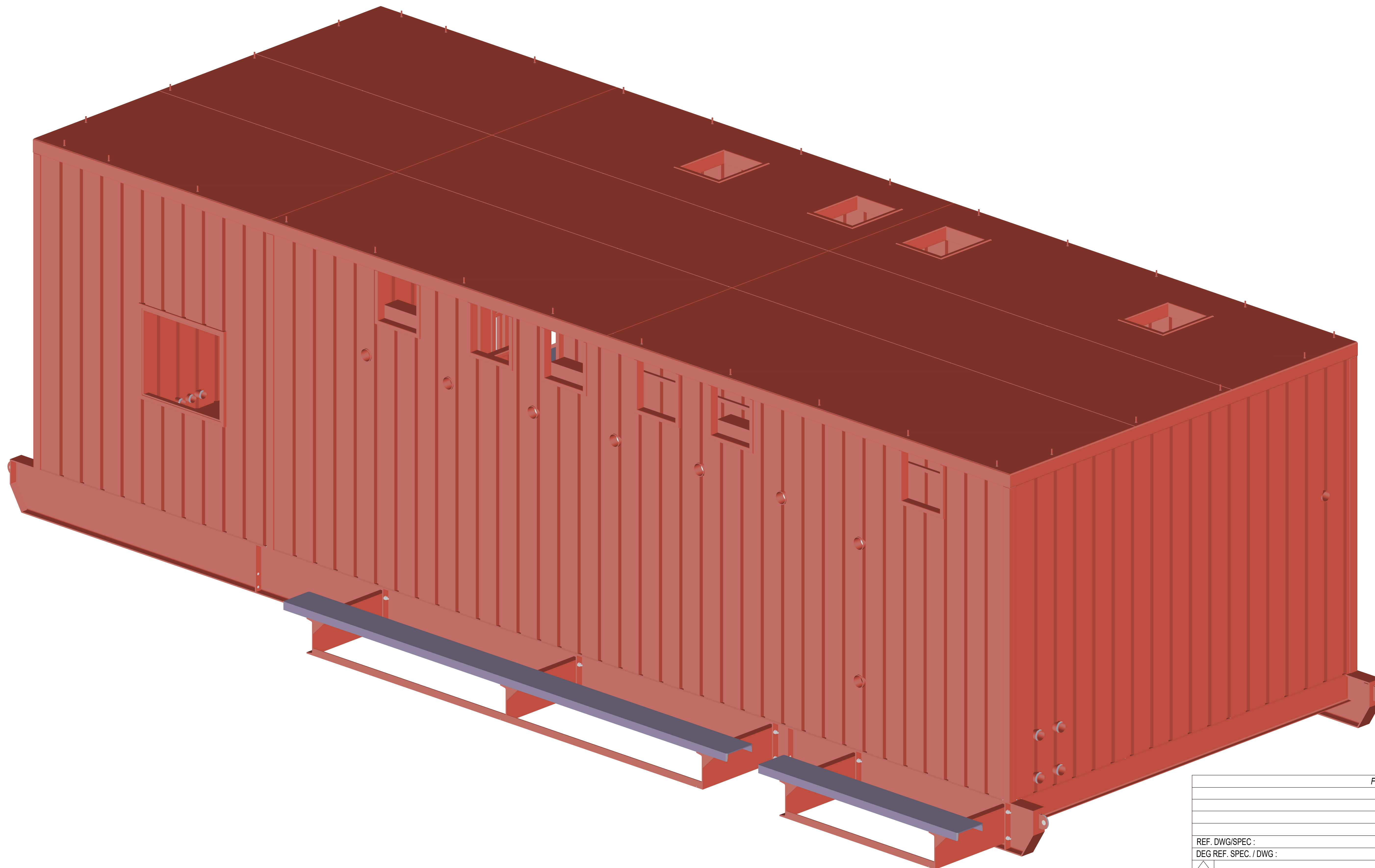
# ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
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HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V102	REV	△



# ISOMETRIC VIEW

FOR FIELD USE

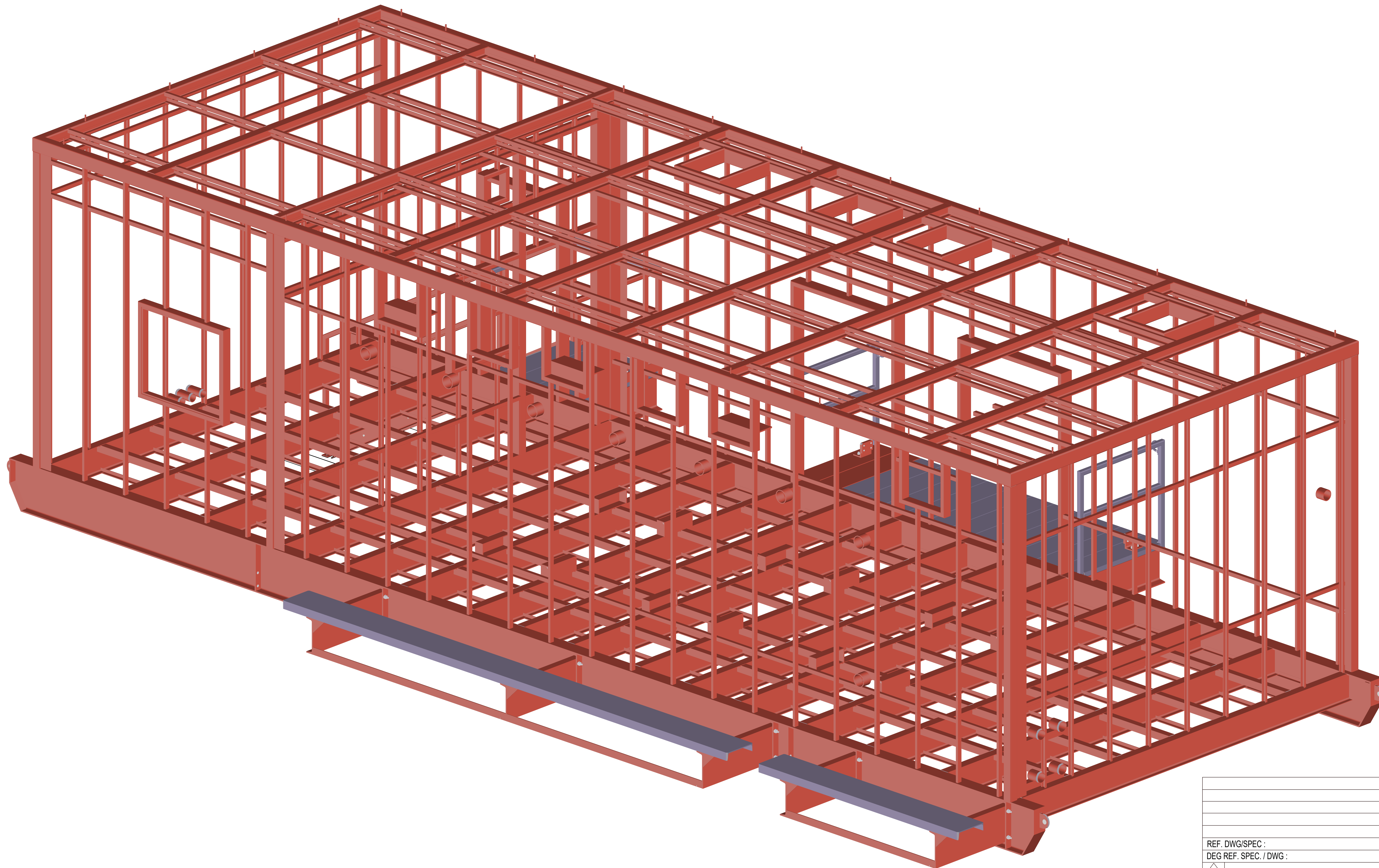
FIELD NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V103	REV	△



# ISOMETRIC VIEW

FOR FIELD USE

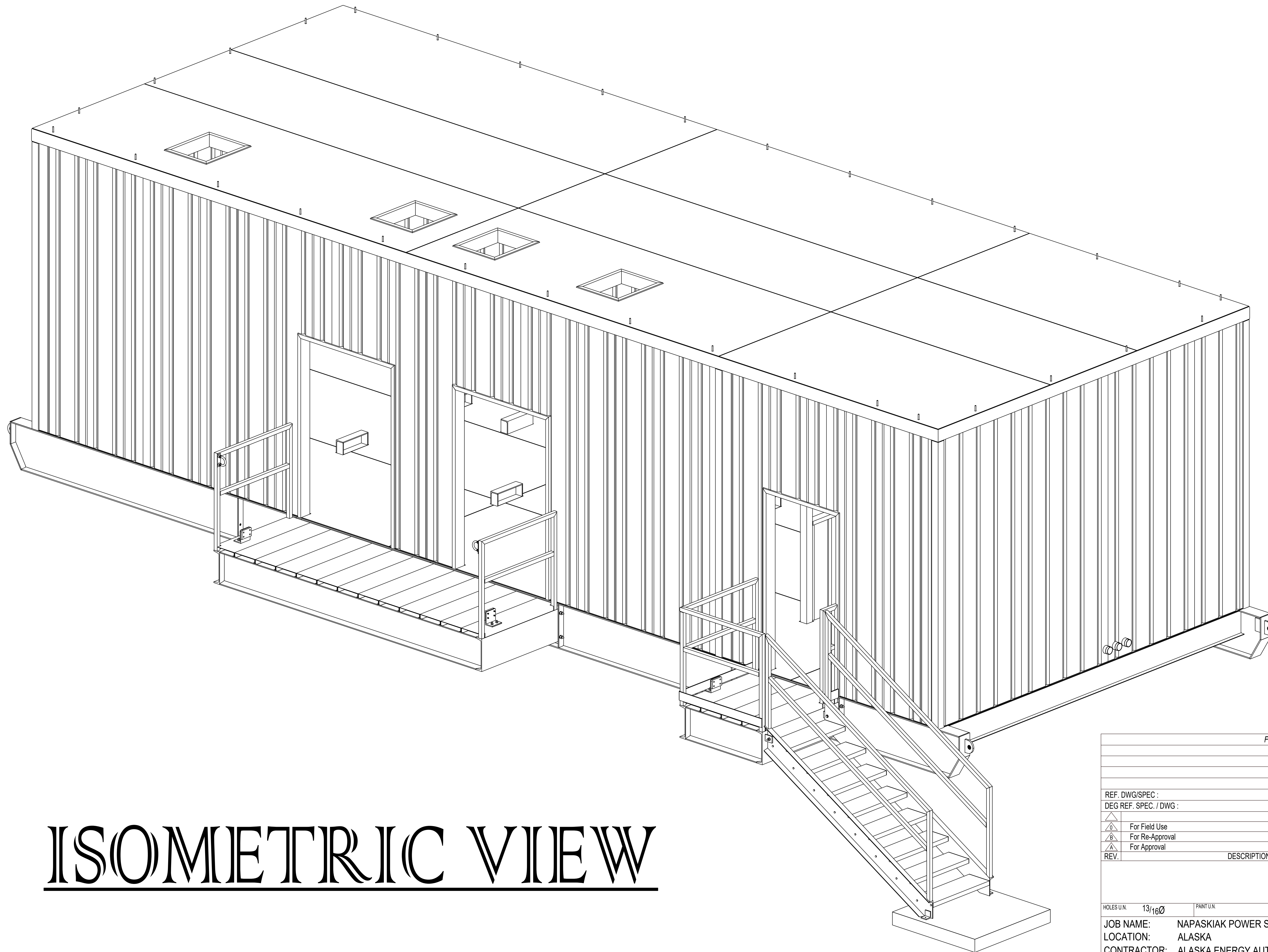
FIELD NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V104	REV	△



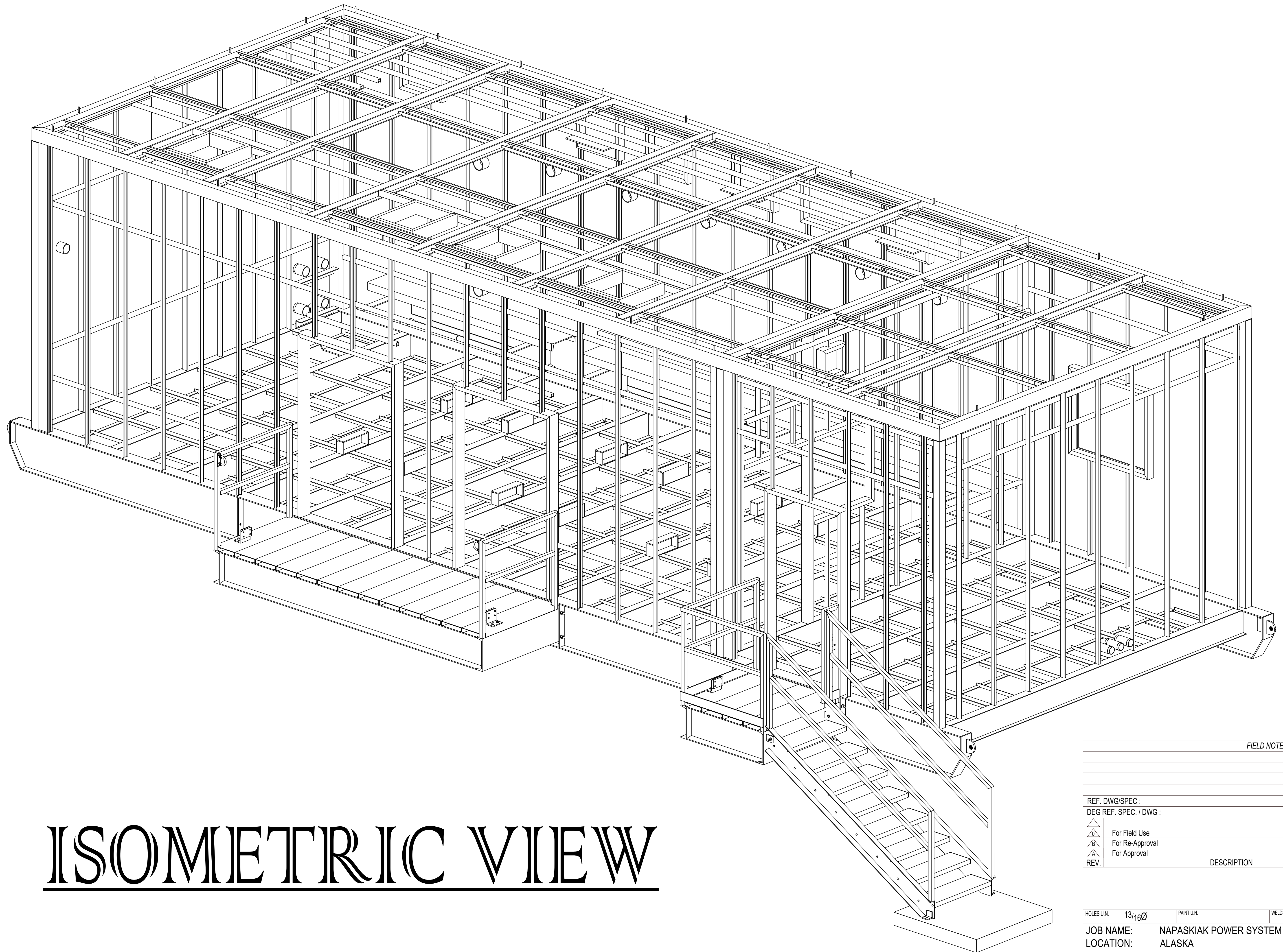
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FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V105	REV	△



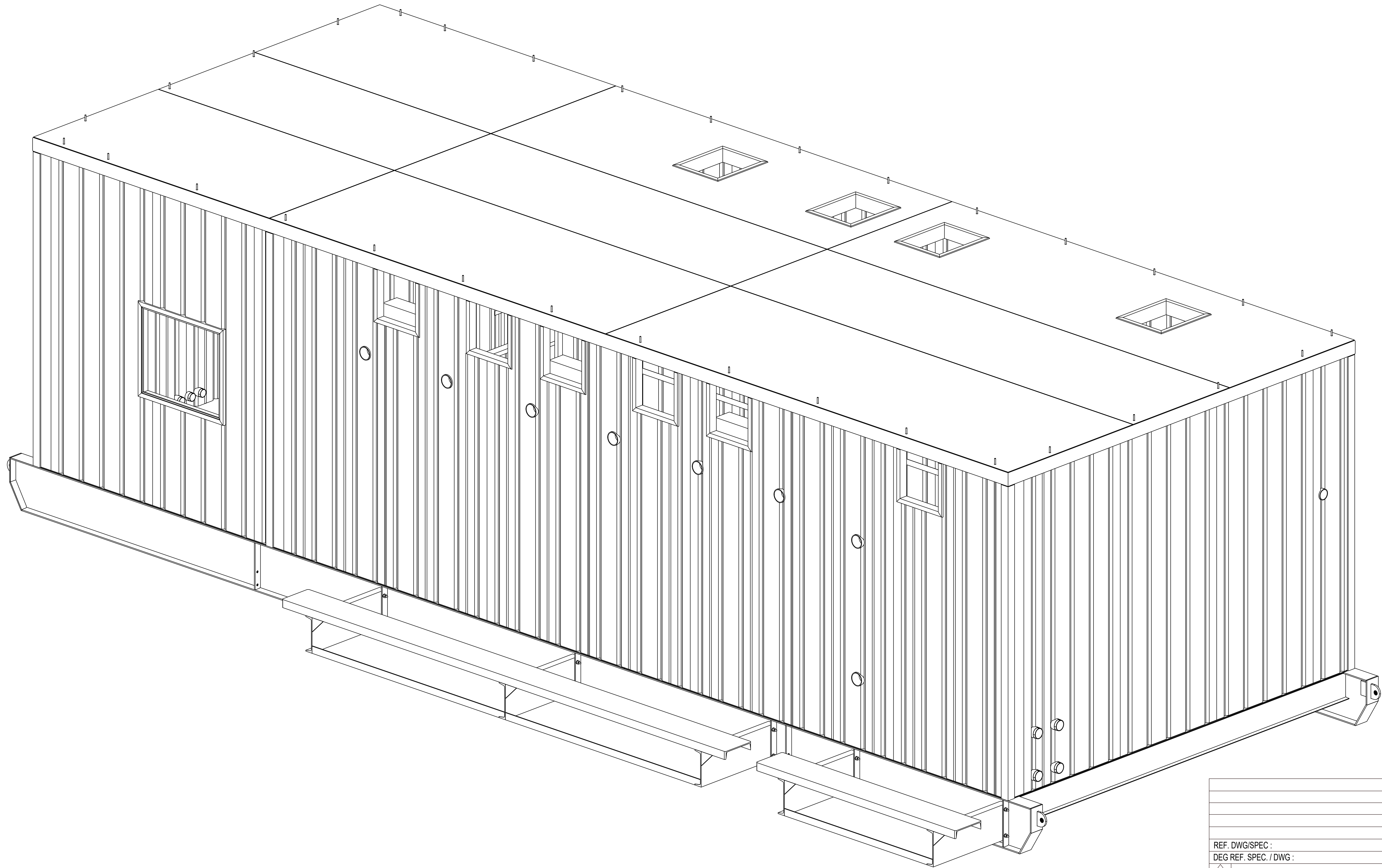
# ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V106	REV	△

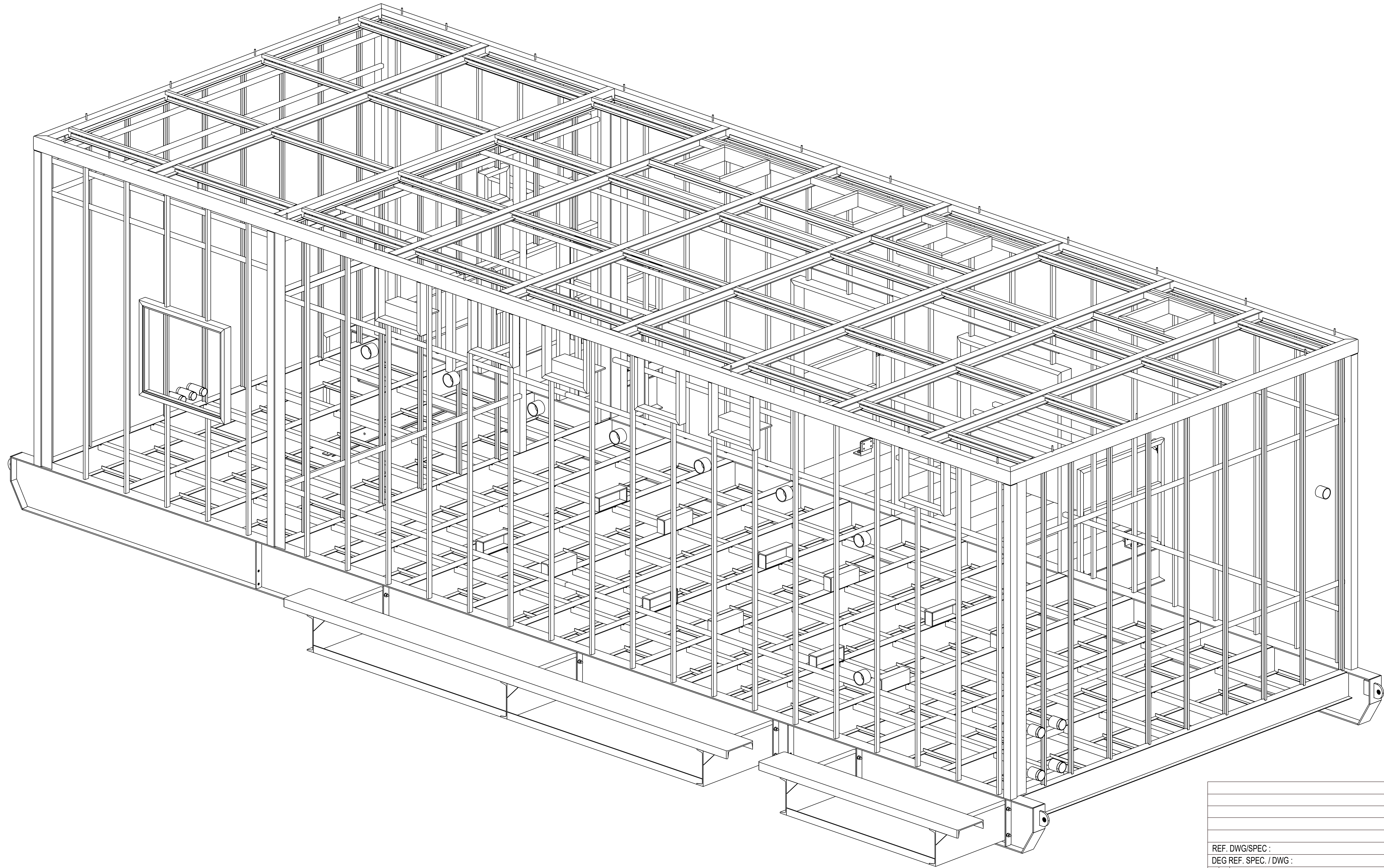


**ISOMETRIC VIEW**

FOR FIELD USE

FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø			
PAINT U.N.			
WELDS: E70XX			
CLEANING:			
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
JOB NUMBER	SHEET NO.	REV	
460	V107	△	
DESCRIPTION: ISOMETRIC VIEW			



# ISOMETRIC VIEW

FOR FIELD USE

FIELD NOTES:

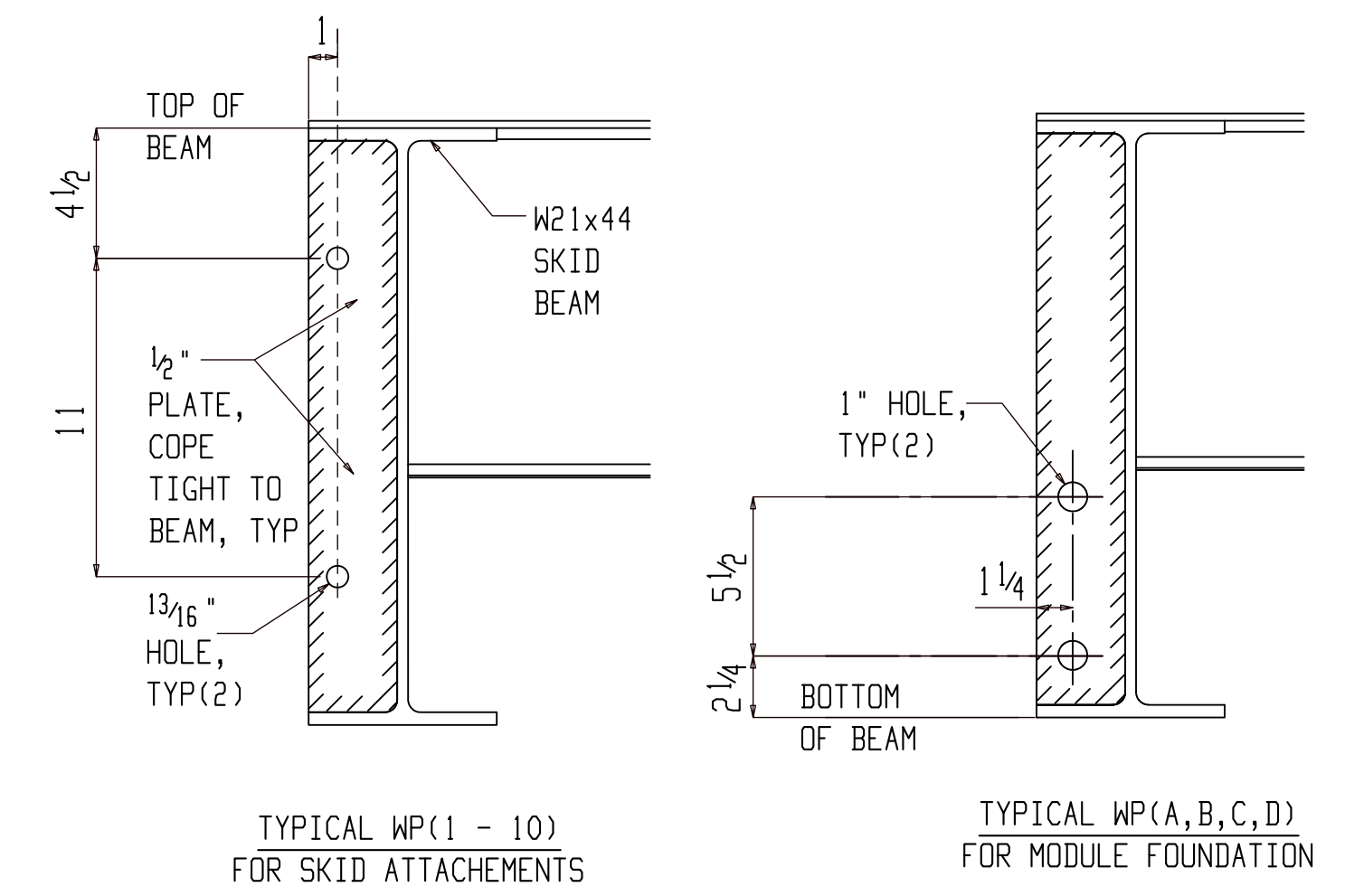
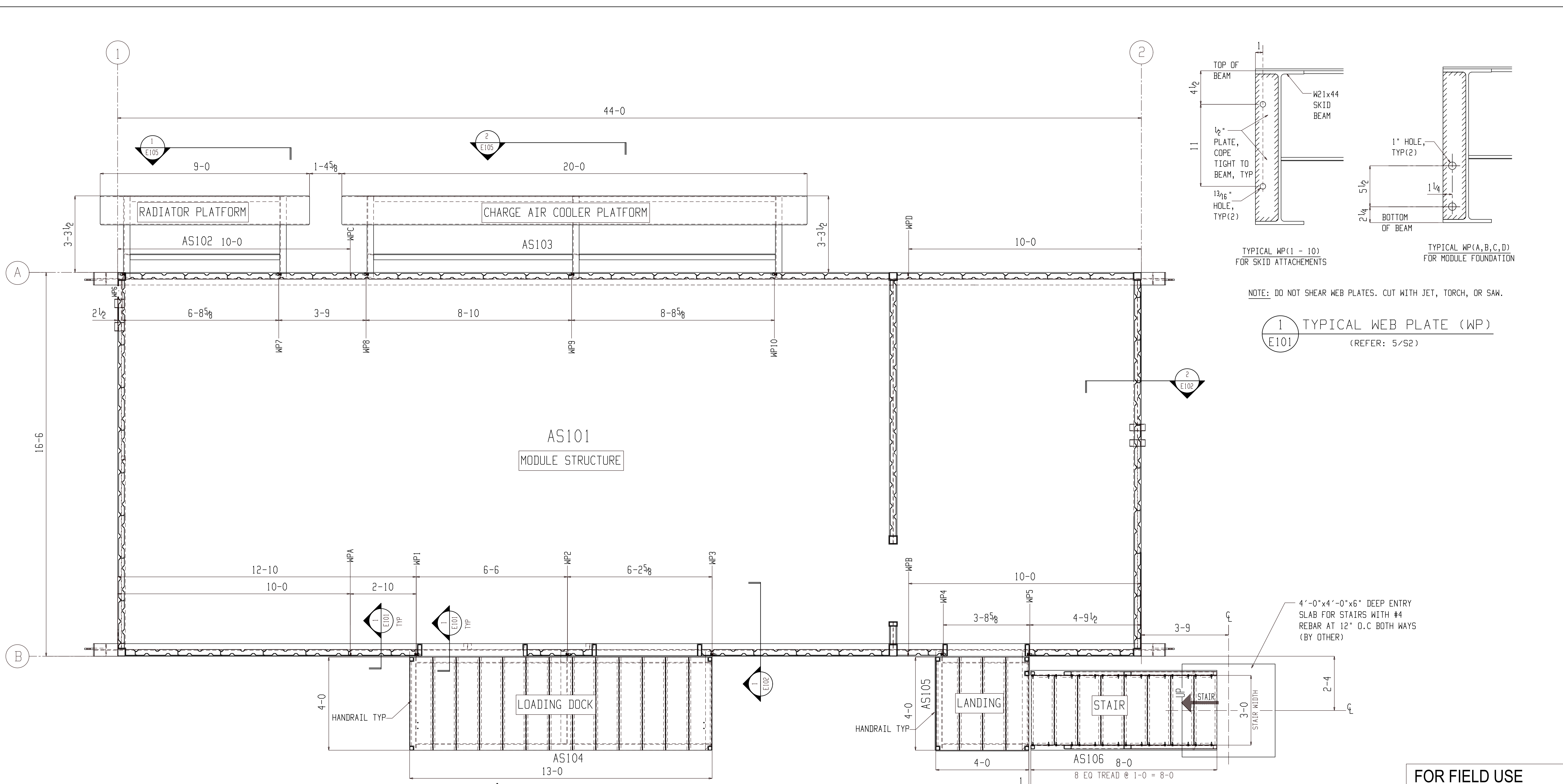
REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	V108	REV	△





TYPICAL WP(1 - 10) FOR SKID ATTACHEMENTS

TYPICAL WP(A, B, C, D) FOR MODULE FOUNDATION

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

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

FOR FIELD USE

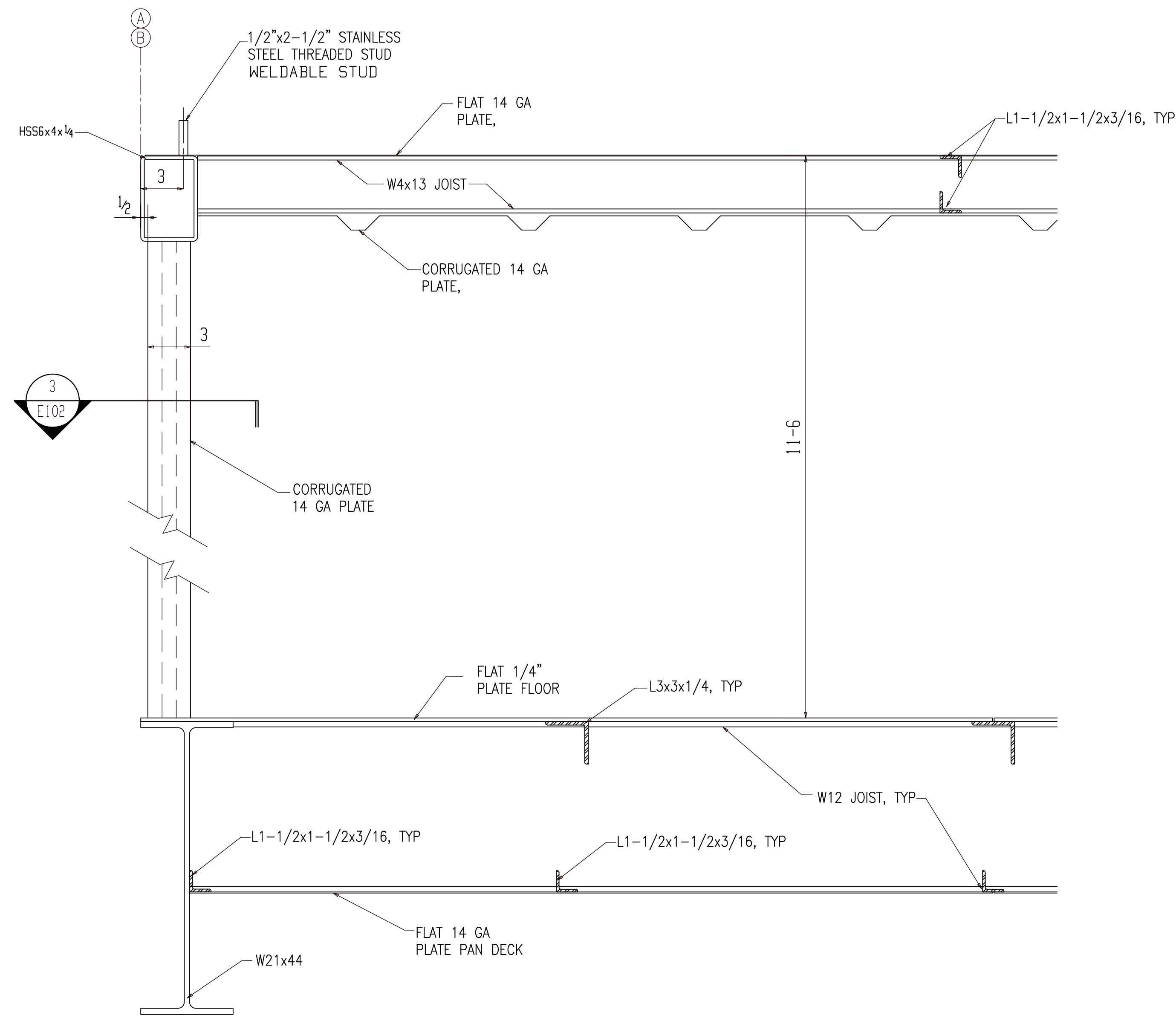
FIELD NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

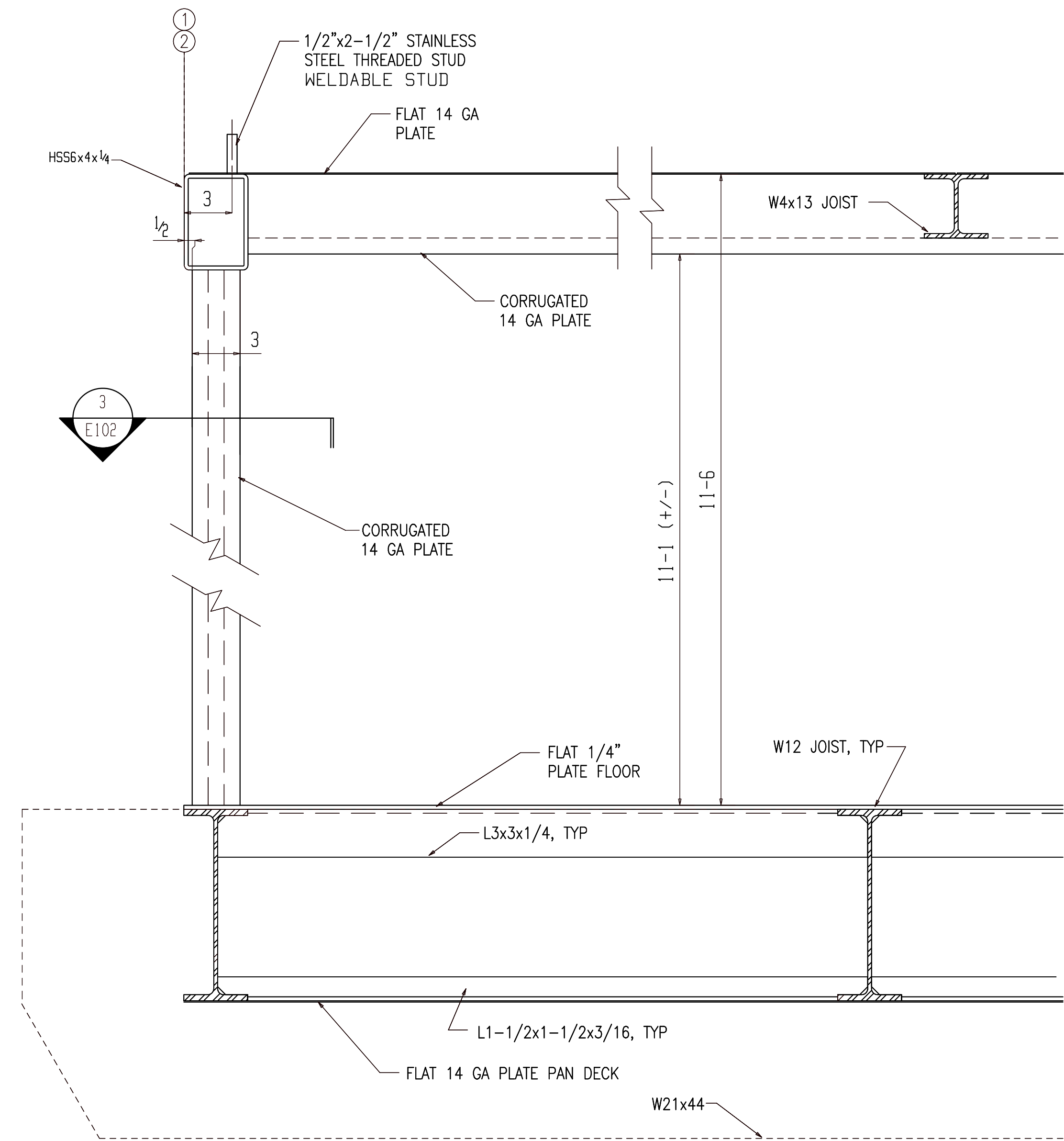
# MODULE STRUCTURE, STAIRS, LANDING, LOADING DOCK & RADIATOR, CHARGE AIR COOLER PLATFORM SUPPORT PLAN

(REFER: S5.1, 1/A1)

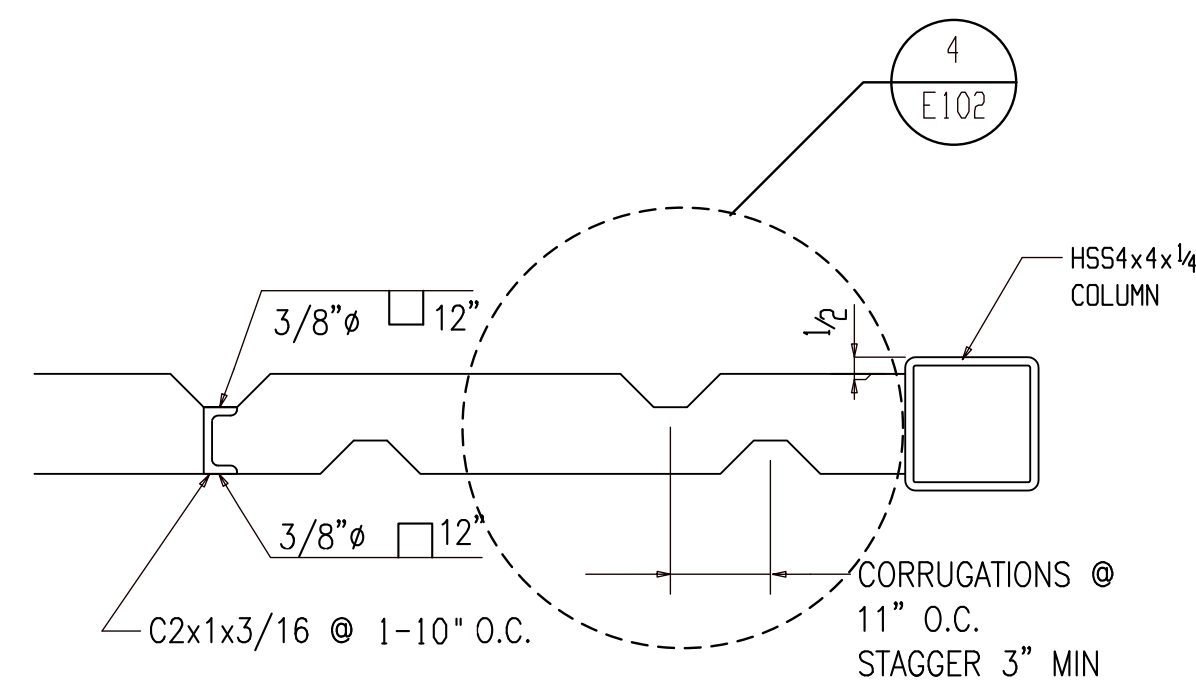
HOLES UN:	13/160	PAINT UN:		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	MODULE STRUCTURE AND EXTERIOR ASSEMBLY PLAN	JOB NUMBER:	460	SHEET NO.:	E101	REV:	△



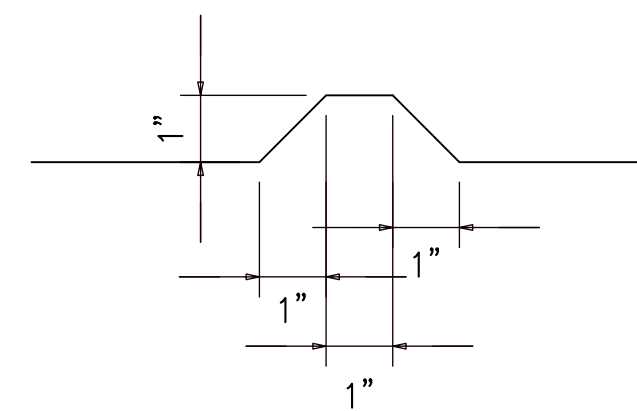
1 TYPICAL BUILDING SECTION  
E102 (REFER: 1/S3)



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



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



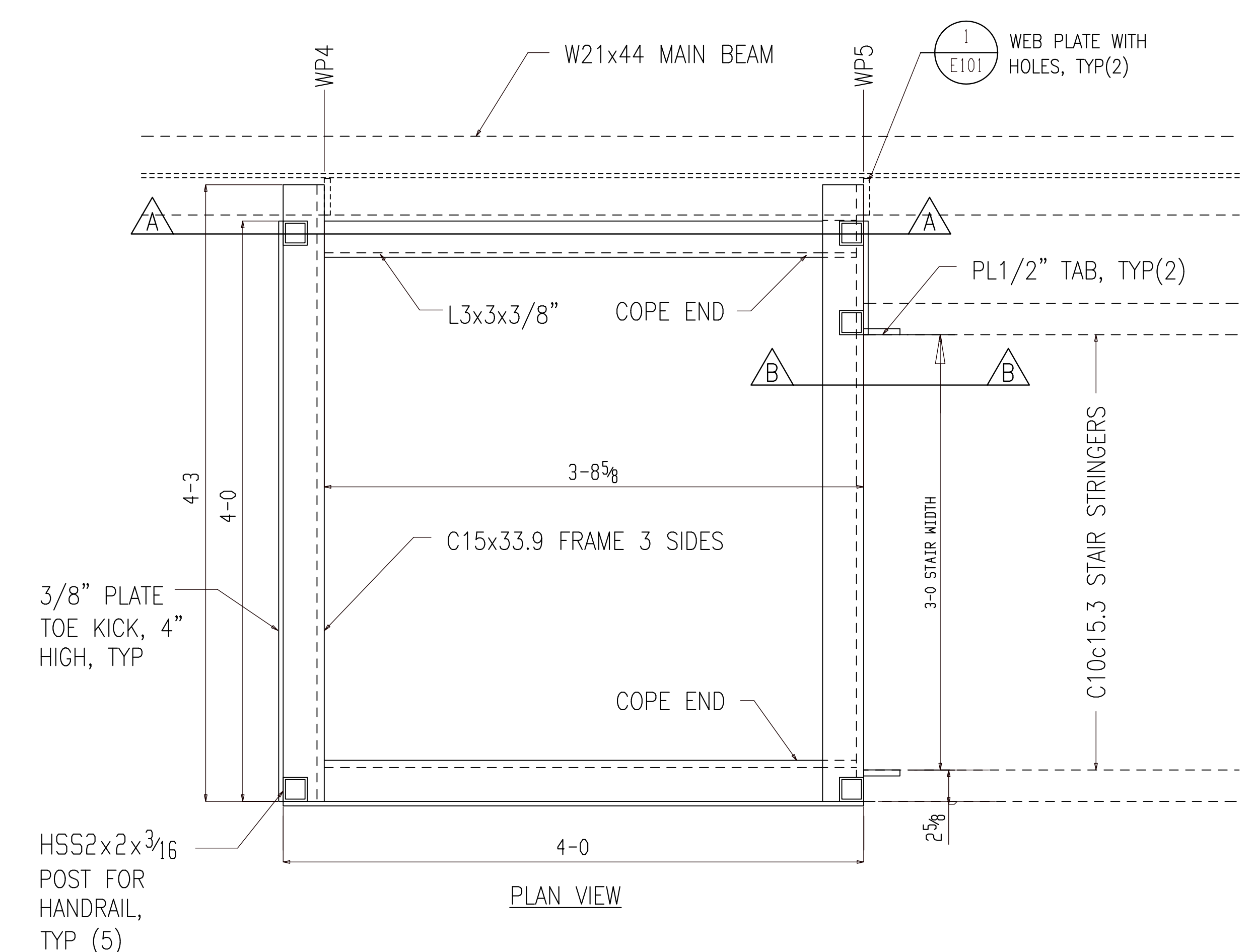
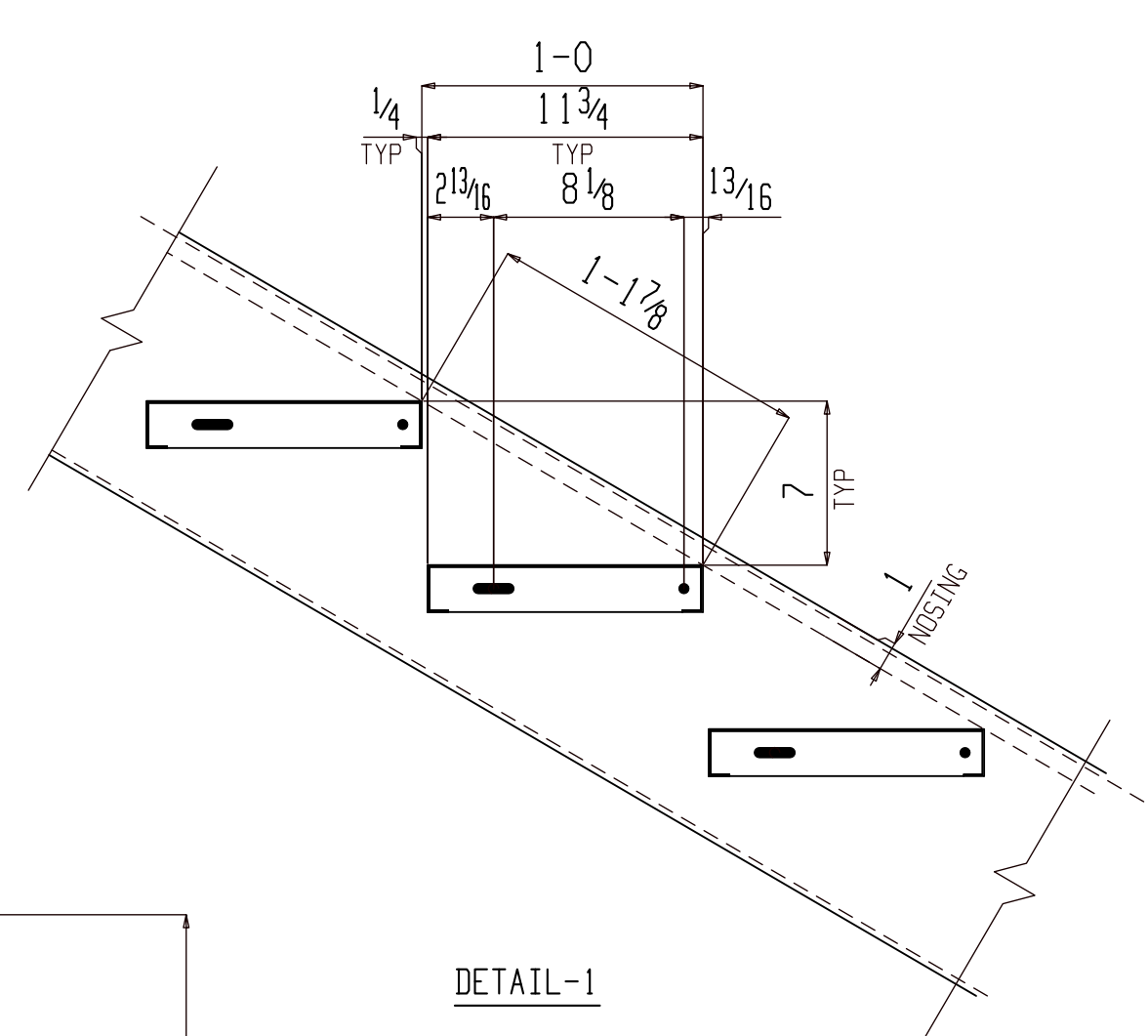
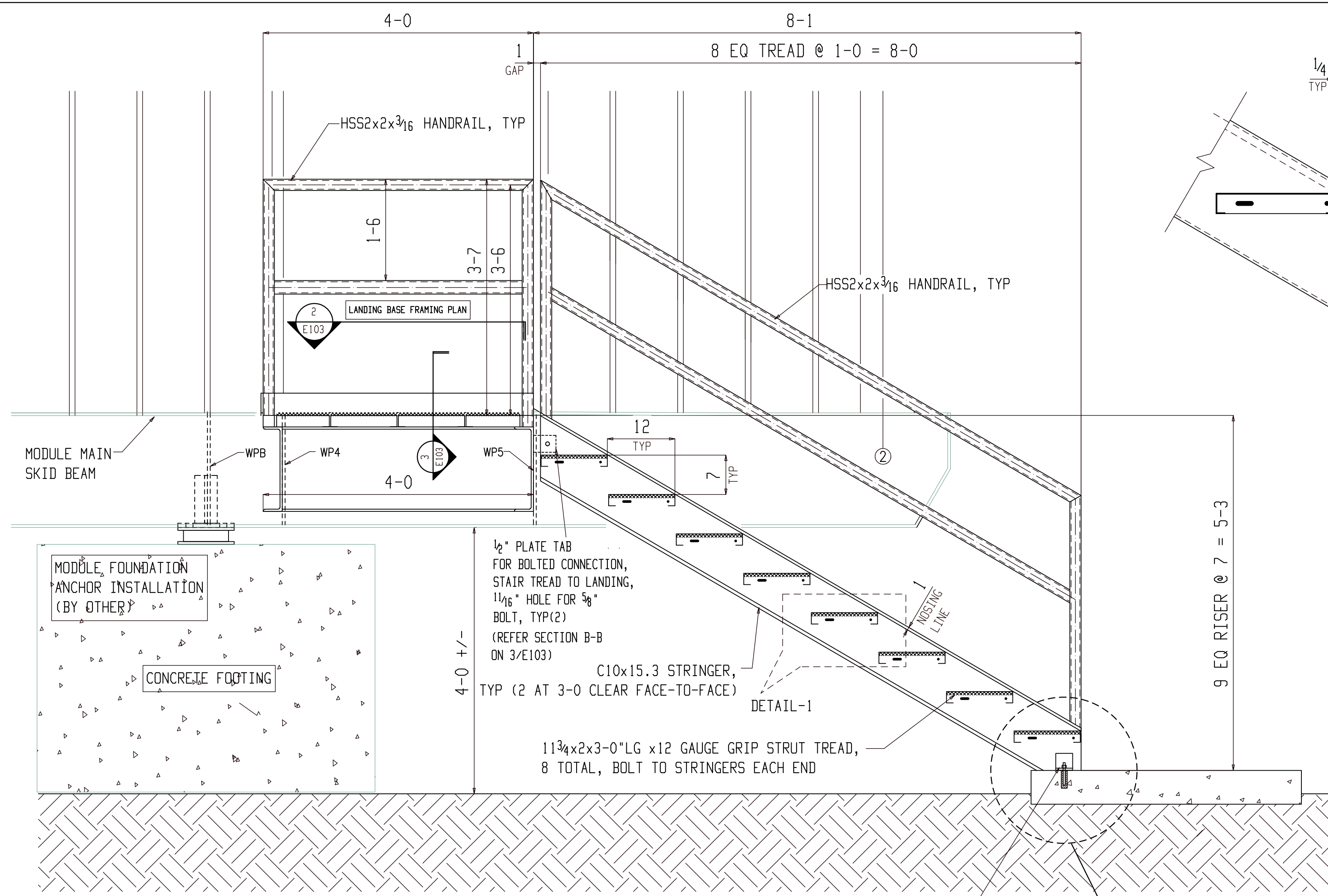
4 TYPICAL CORRUGATION  
E102 (REFER: 4/S3)

FOR FIELD USE

FIELD NOTES:

REV.	DESCRIPTION	BY	DATE
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

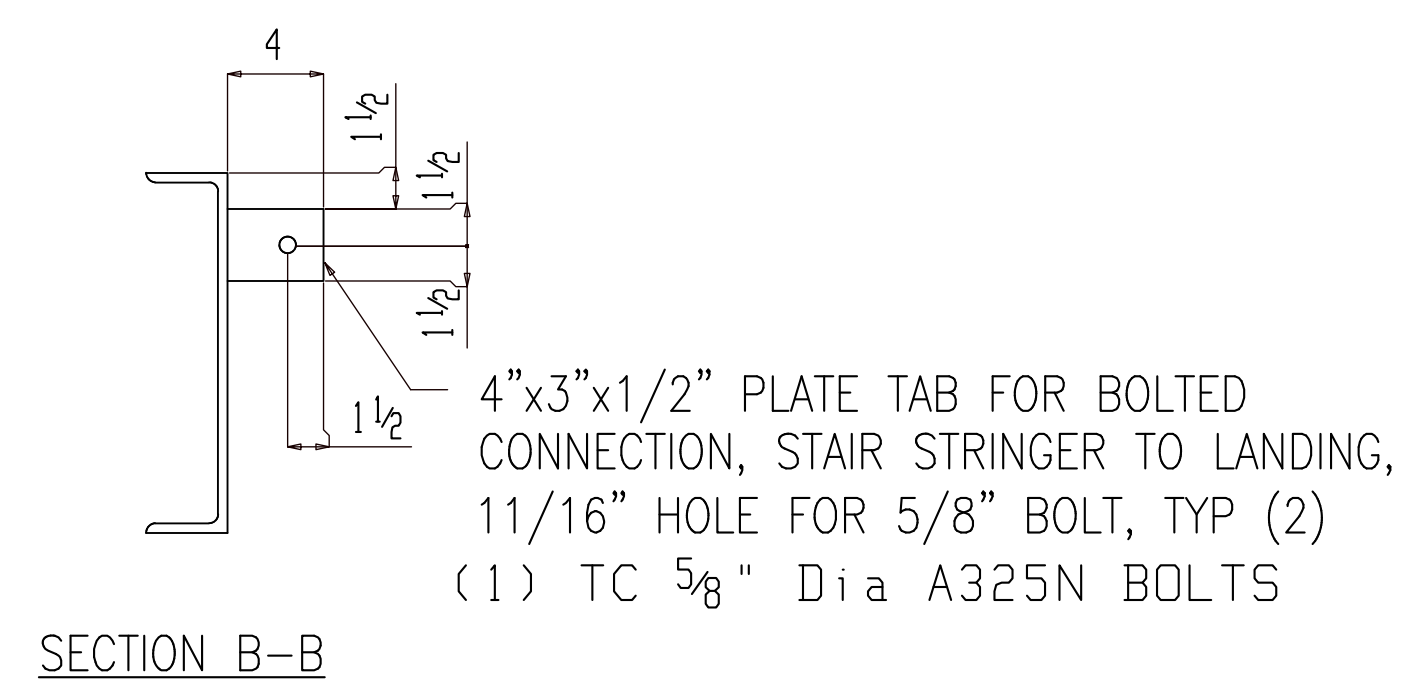
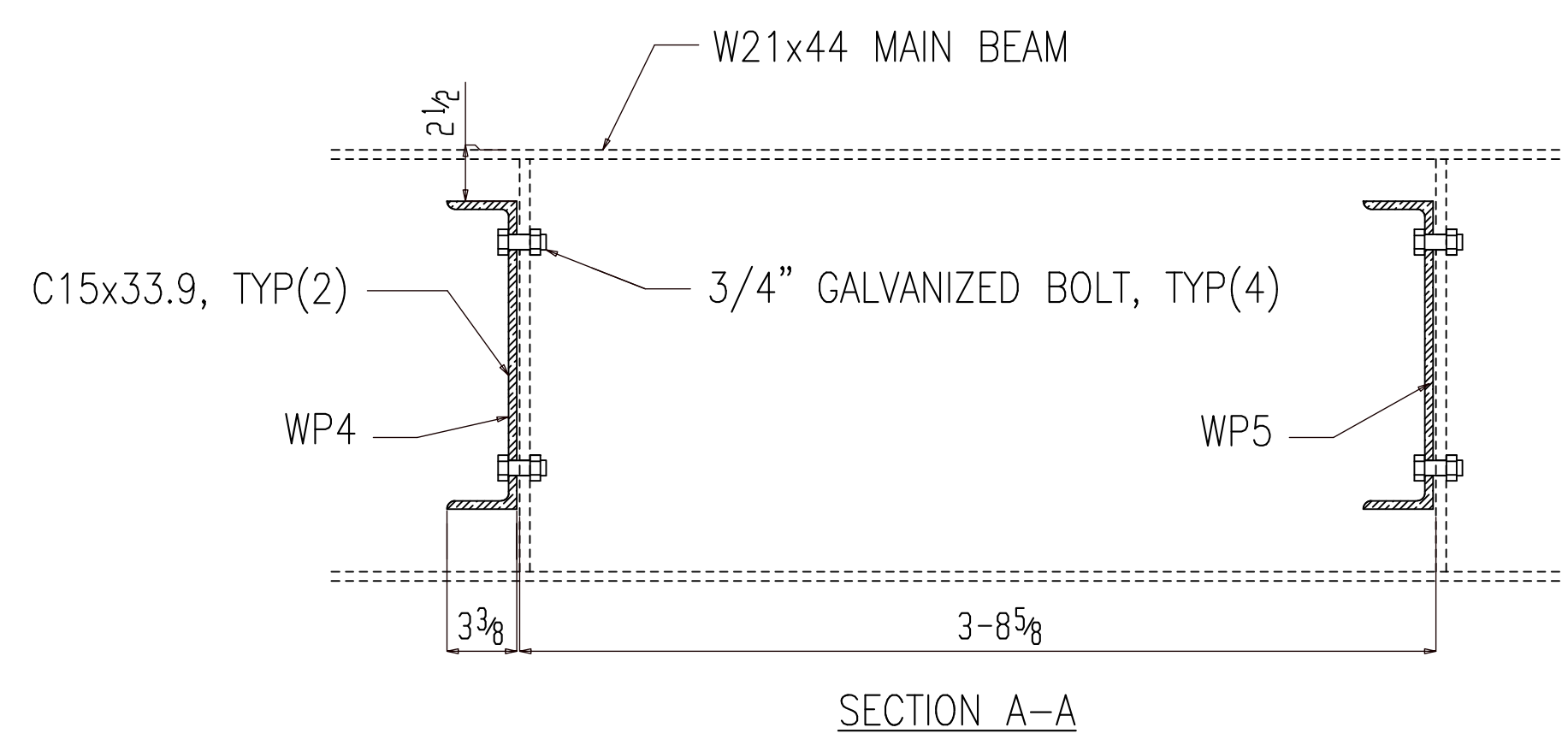
HOLES U.N.	PAINT U.N.	WELDS	CLEANING
13/16Ø		E70XX	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
JOB NUMBER	SHEET NO.	REV.	
460	E102	△	



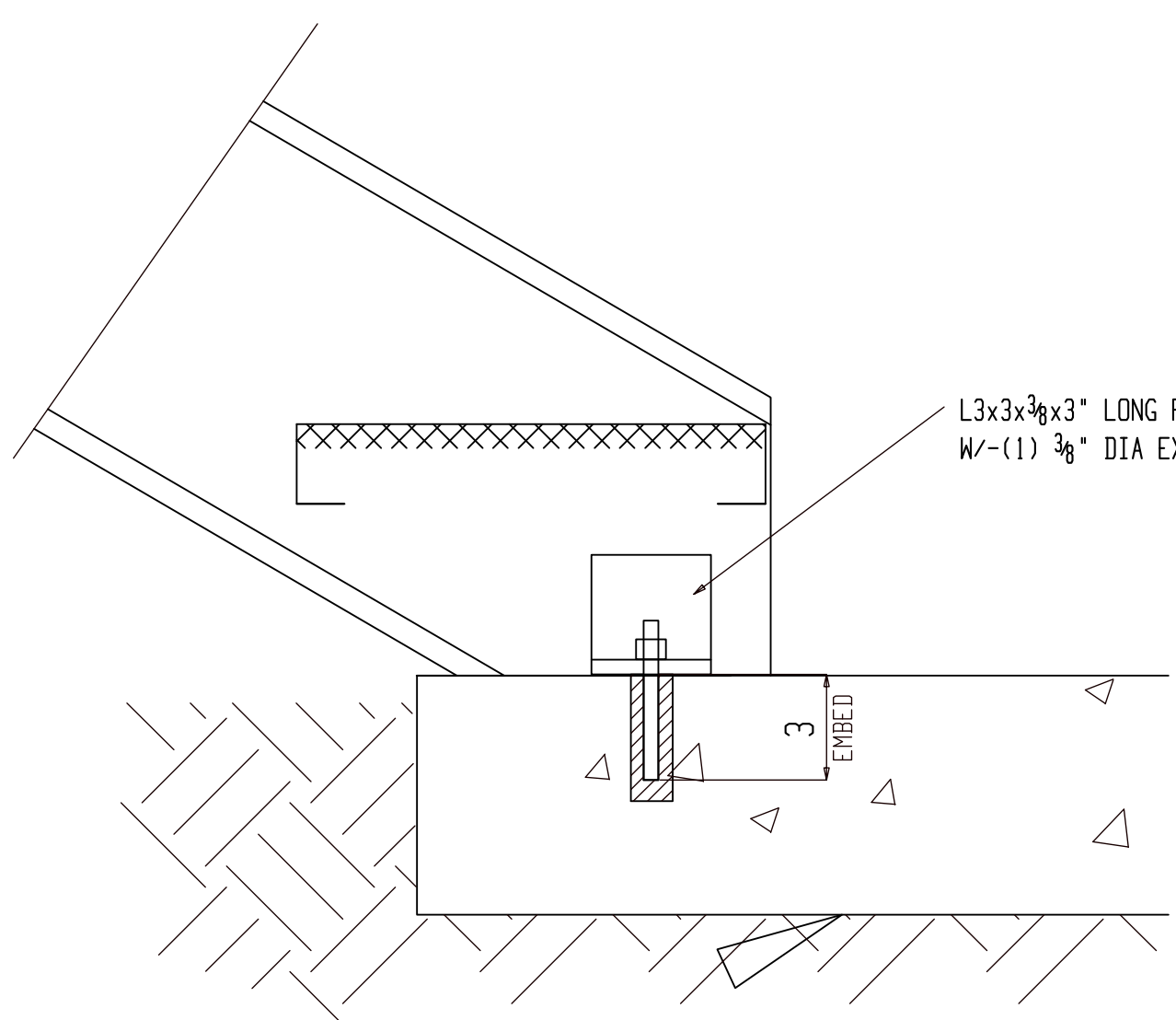
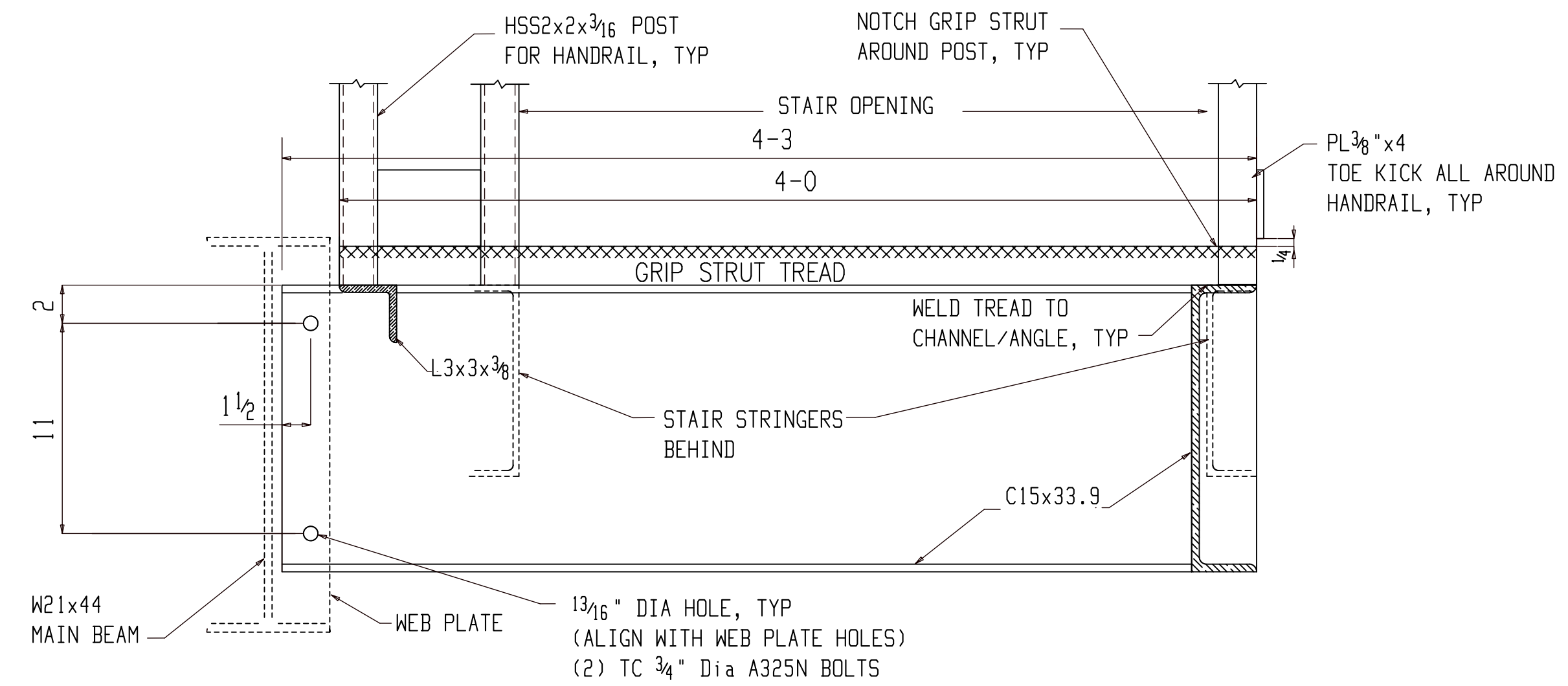
**1 STAIR/LANDING ELEVATION**  
E103 (REFER: 1/S5.2)

**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.



**2 LANDING BASE FRAMING PLAN & SECTIONS**  
E103 (REFER: 1/S5.2)

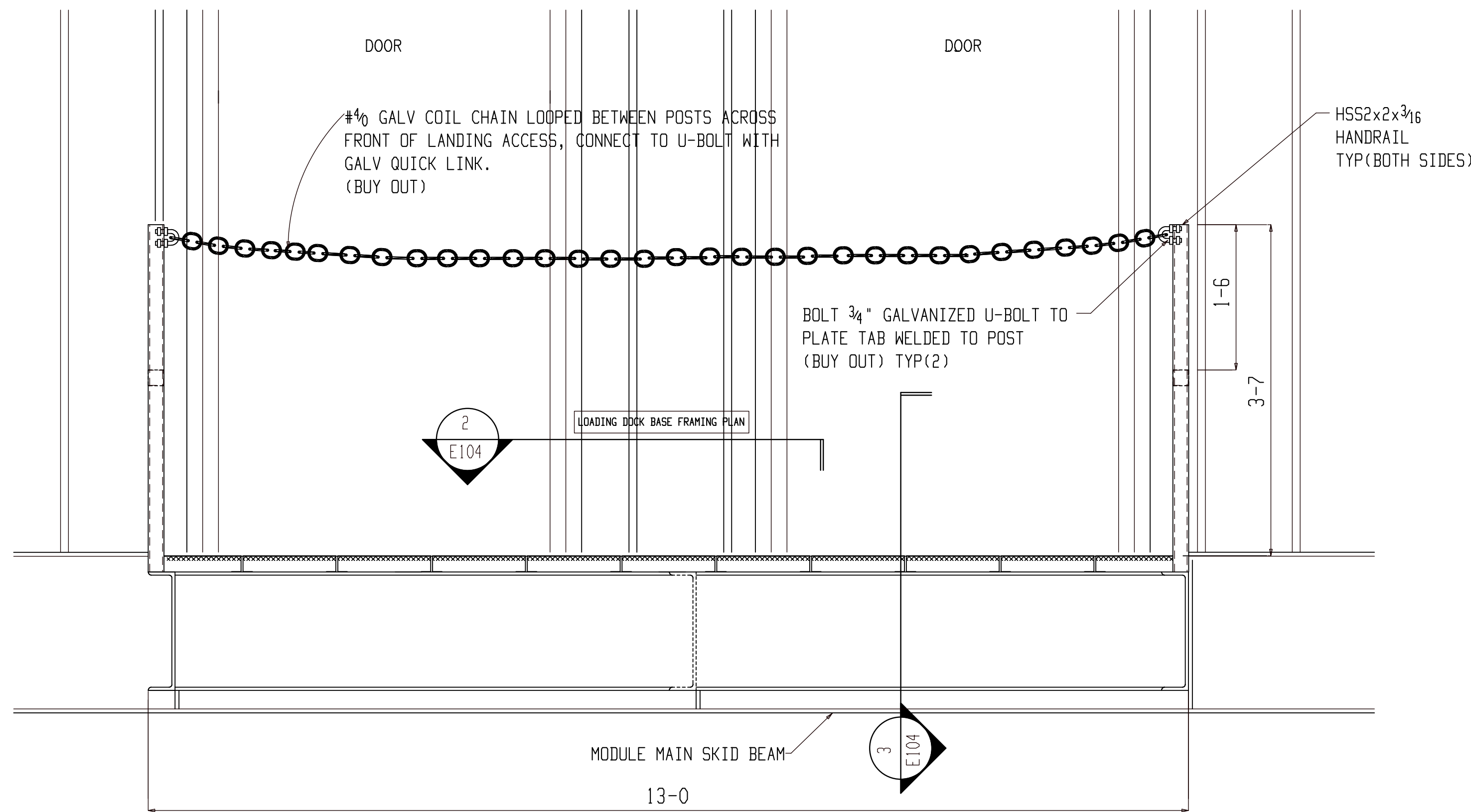


**3 LANDING SECTION & MAIN BEAM CONNECTION DETAIL**  
E103 (REFER: 3/S5.2)

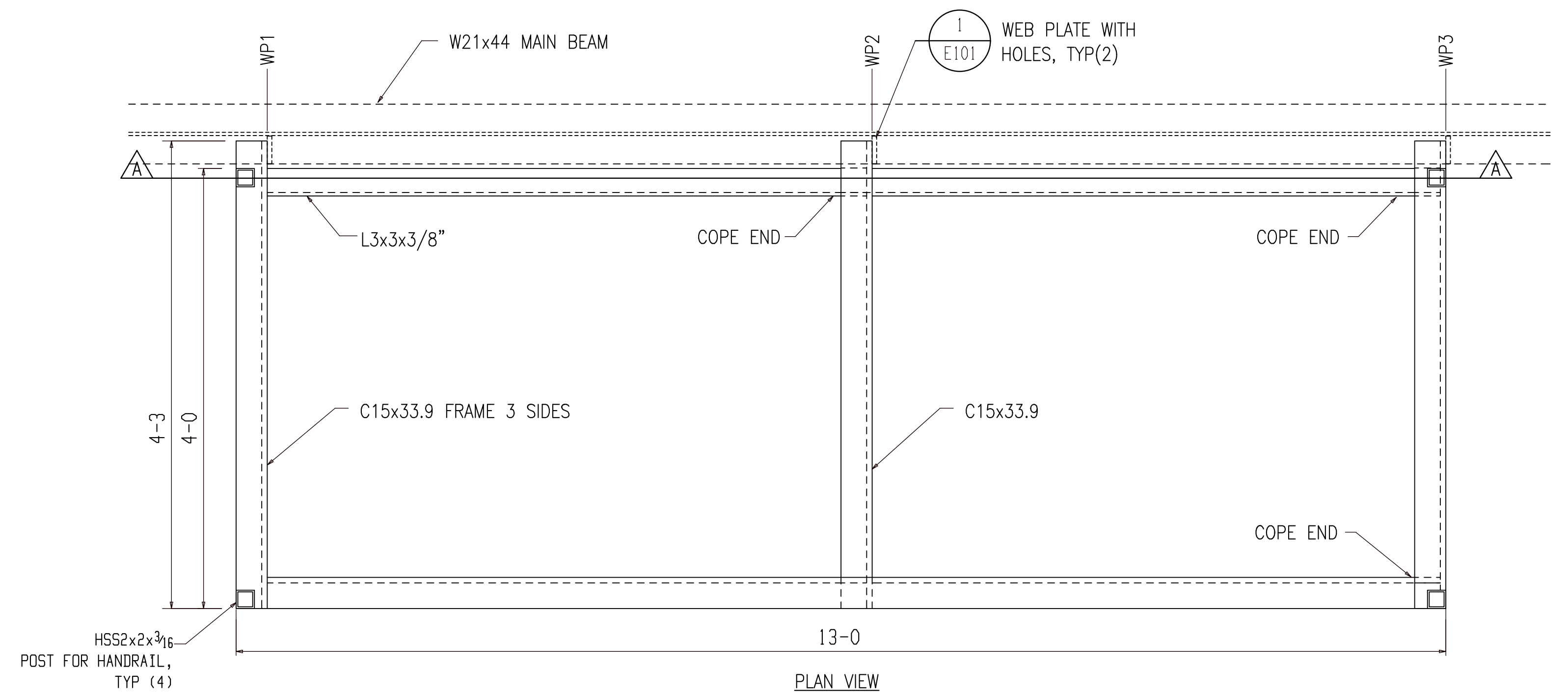
**4 DETAIL VIEW**  
E103 (REFER: 1/S5.2)

**FOR FIELD USE**

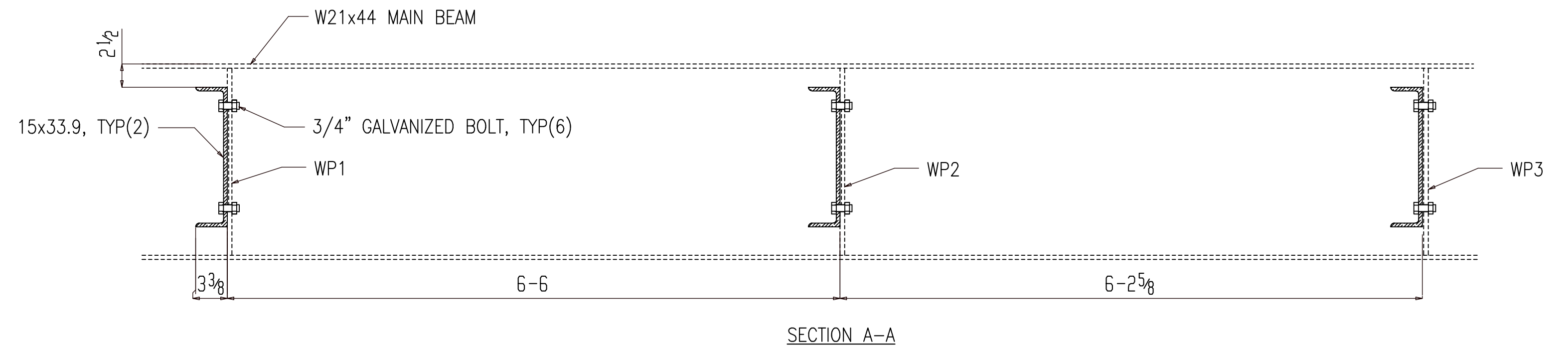
FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN	13/16Ø	PAINT UN	WELDS: E70XX
CLEANING:			
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		DR. BY: PKM	CHK. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-22	
DESCRIPTION: STAIR LANDING FRAMING PLAN & SECTION	JOB NUMBER: 460	SHEET NO.: E103	REV: △



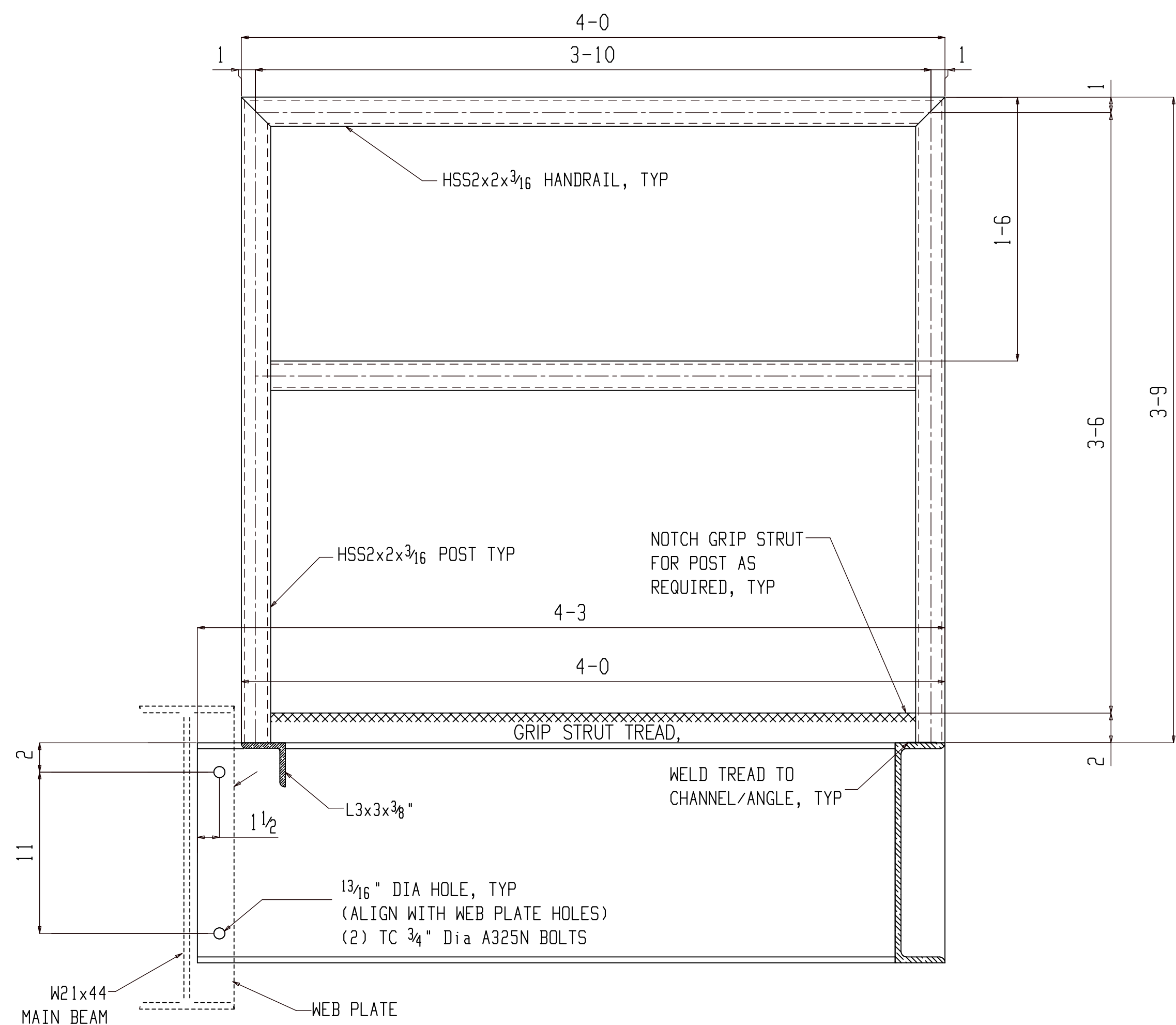
1 LOADING DOCK ELEVATION  
E104 (REFER: 1/S5.3)



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



NOTE: INSTALL 13 EACH 11-3/4"x2"x4'-0"LGx12 GAUGE GRIP STRUT TREADS.



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.

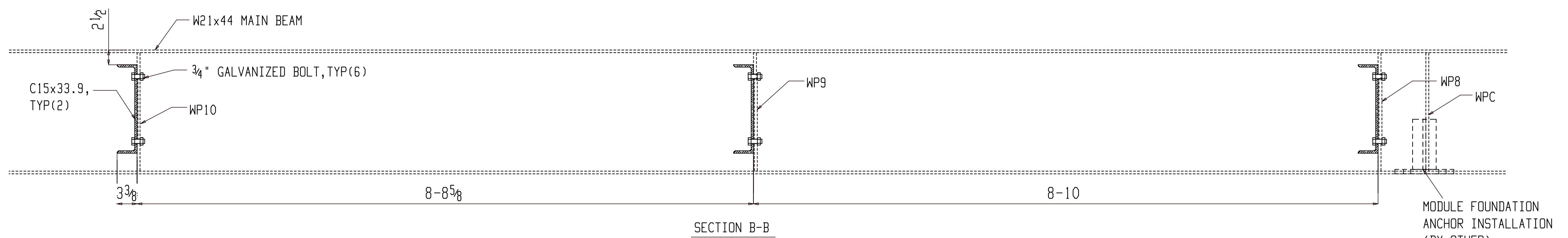
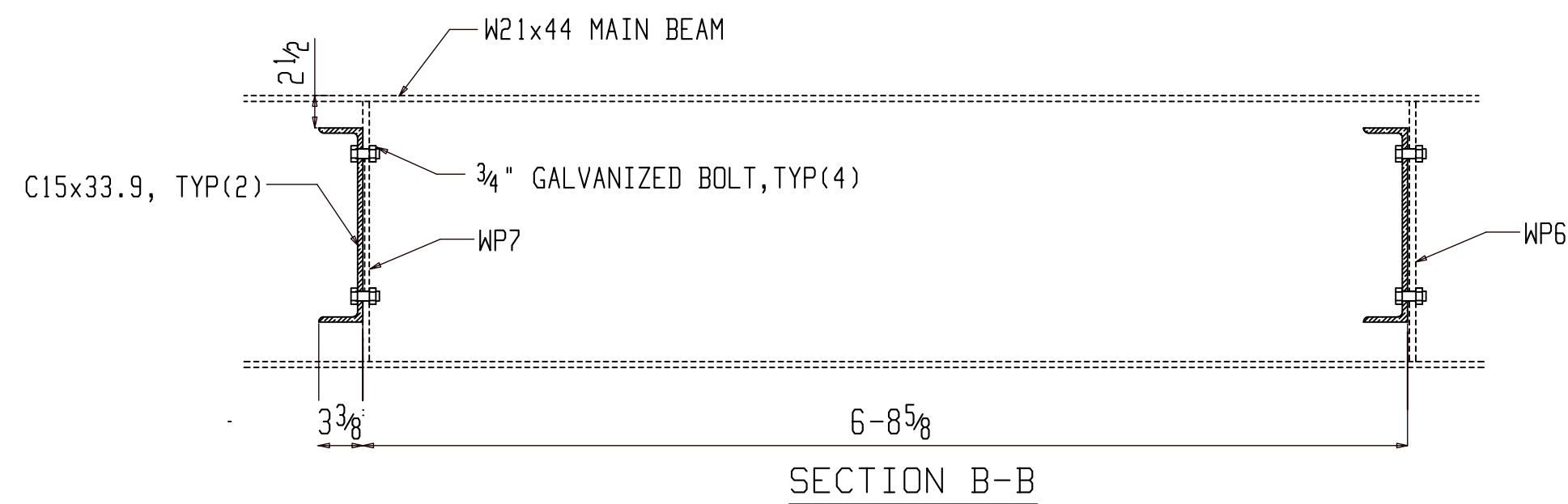
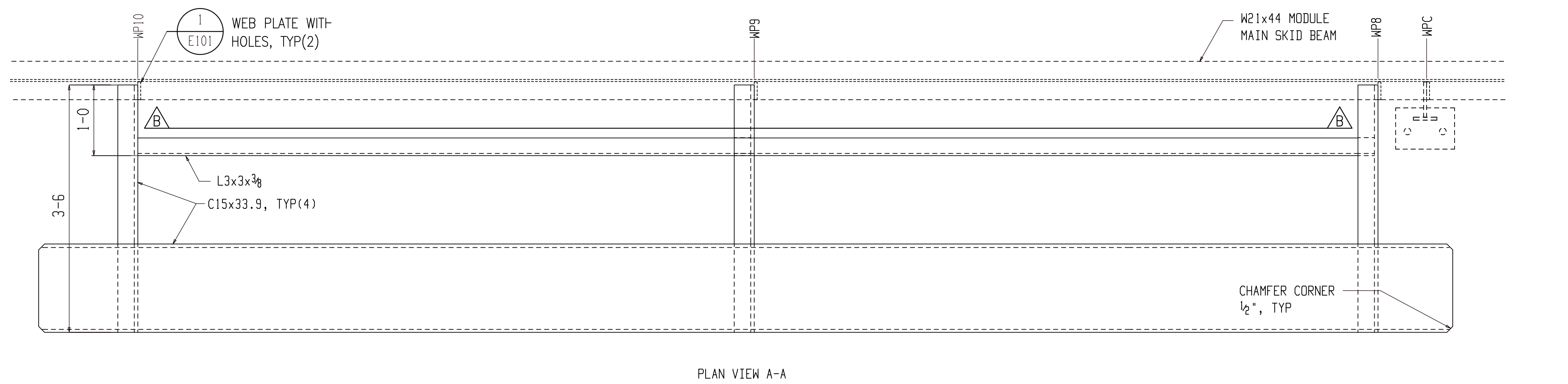
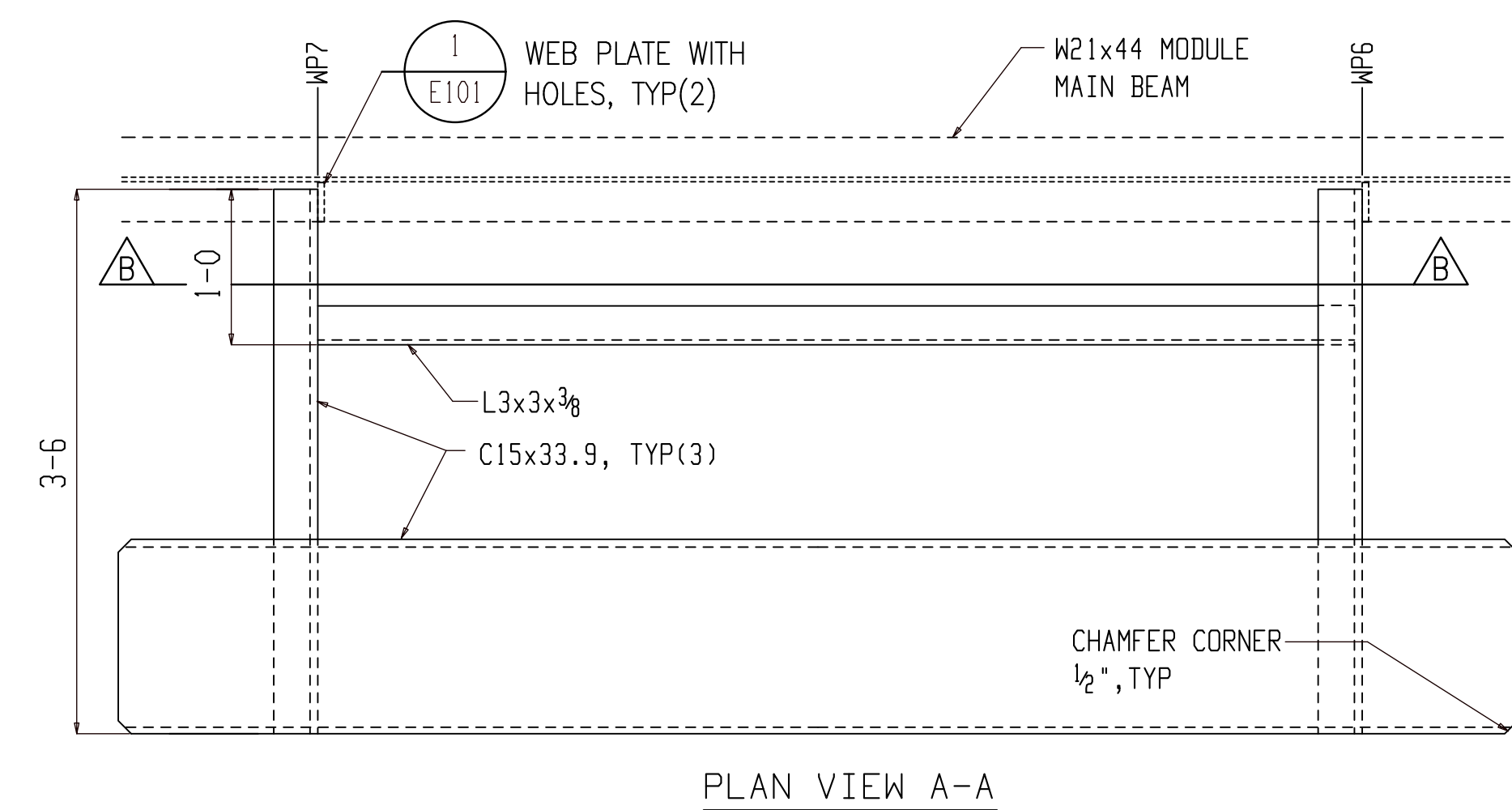
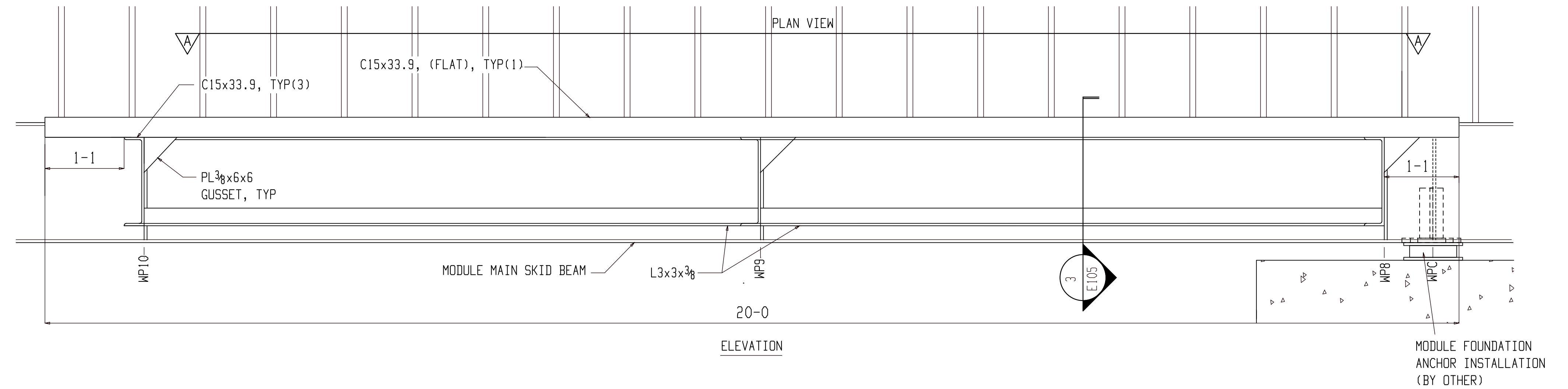
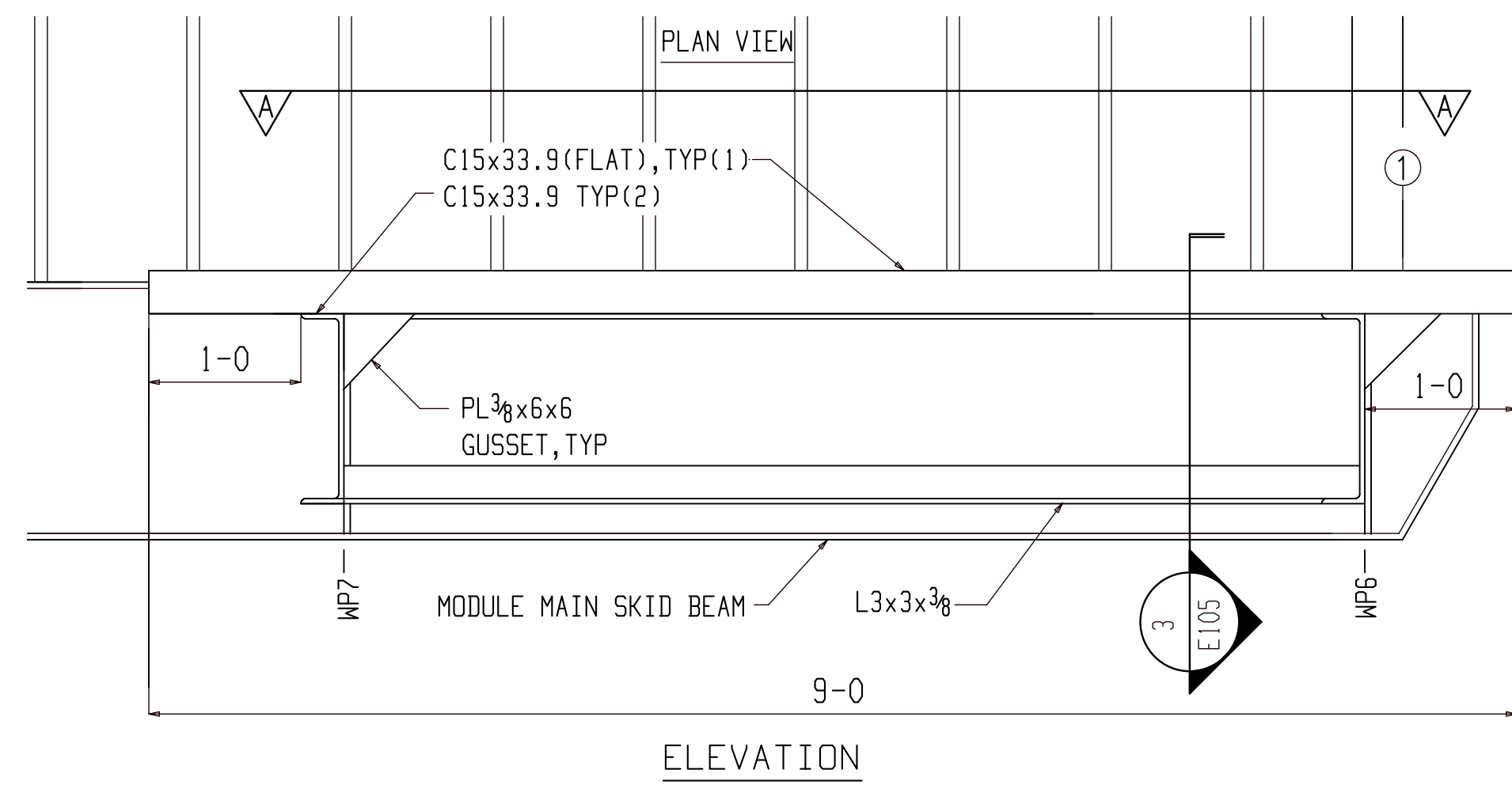
FOR FIELD USE

FIELD NOTES:

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

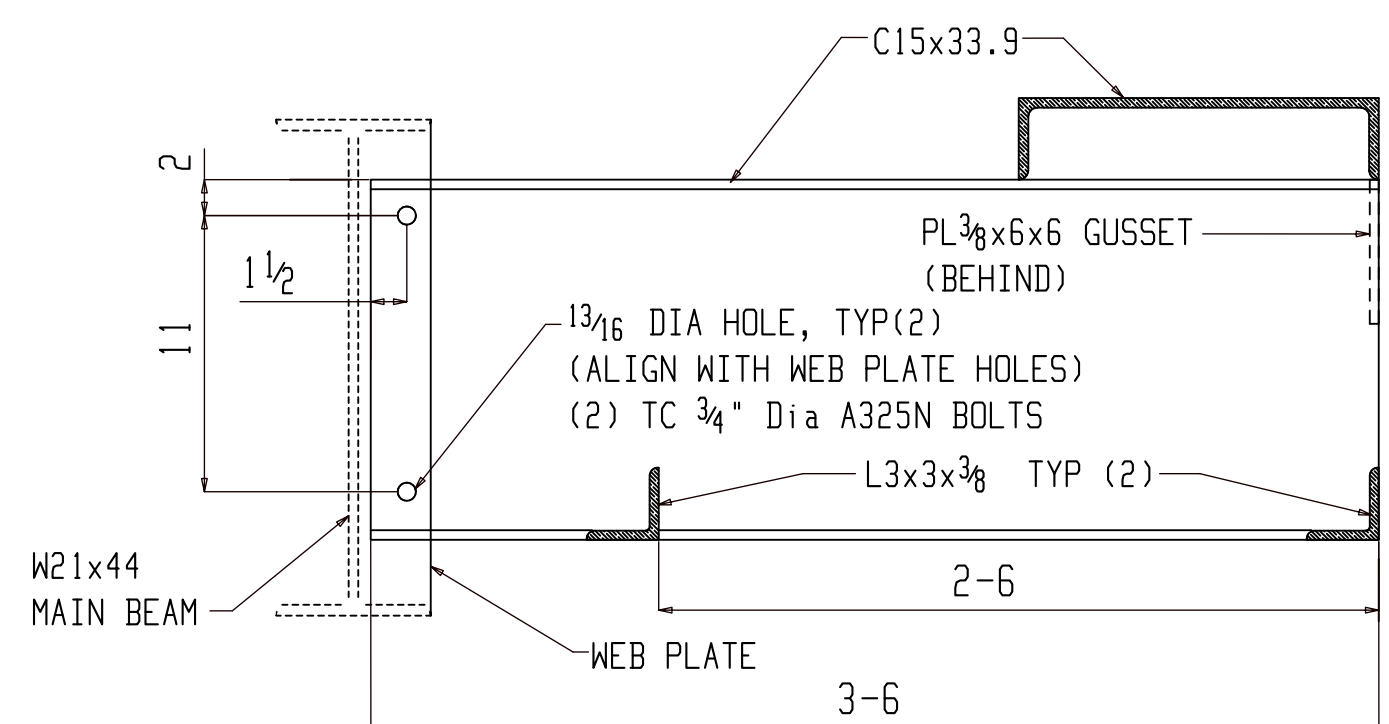
△	For Field Use	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES UN:	13/16Ø	PAINT UN:		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	LOADING DOCK FRAMING PLAN & SECTION	JOB NUMBER:	460	SHEET NO.:	E104	REV:	△



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

2 CHARGE AIR COOLER SUPPORT ELEVATION  
E105 (REFER: 2/S5.4)



3 RADIATOR SUPPORT SECTION  
E105 (REFER: 3/S5.4)

FIELD NOTE:

1. RACK ALL SUPPORT BRACKETS LEVEL & PERPENDICULAR TO SKID WITH CONNECTIONS BOLTED TIGHT PRIOR TO WELDING. THE COOLER/RADIATOR SUPPORT FRAMING MEMBERS.
2. MAKE ALL JONTS WITH CONTINUOUS GROOVE OR FILLET WELDS.
3. DO NOT WELD THE COOLER/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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
		JOB NUMBER:	460
		SHEET NO.:	E105
		REV:	
DESCRIPTION: RADIATOR & CHARGE AIR COOLER SUPPORT FRAMING PLAN & SECTION			

BILL OF MATERIAL								BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK							MARK	MARK						
AS101		ONE	ASSEMBLY					M148		1	CORRUGATED PLATE					M221		5	MISC				
	B101	1	BEAM					M149		1	CORRUGATED PLATE					M222		5	MISC				
	B102	1	BEAM					M150		1	CORRUGATED PLATE					M223		15	MISC				
	B103	16	BEAM					M151		1	CORRUGATED PLATE					M224		4	MISC				
	B104	1	BEAM					M152		1	CORRUGATED PLATE					M225		4	MISC				
	B105	1	BEAM					M153		1	CORRUGATED PLATE					M226		16	MISC				
	B106	1	BEAM					M154		1	CORRUGATED PLATE					M227		4	MISC				
	B107	1	BEAM					M155		1	CORRUGATED PLATE					M228		4	MISC				
	B108	1	BEAM					M156		1	CORRUGATED PLATE					M229		4	MISC				
	B109	7	BEAM					M157		1	CORRUGATED PLATE					M230		4	MISC				
	B110	1	BEAM					M158		1	CORRUGATED PLATE					M231		4	MISC				
	B111	1	BEAM					M159		1	CORRUGATED PLATE					M232		16	MISC				
	B112	3	BEAM					M160		1	CORRUGATED PLATE					M233		4	MISC				
	B113	3	BEAM					M161		1	CORRUGATED PLATE					M234		4	MISC				
	C101	1	COLUMN					M162		1	CORRUGATED PLATE					M235		4	MISC				
	C102	5	COLUMN					M163		1	CORRUGATED PLATE					M236		1	STRUT				
	FR103	1	MISC					M164		1	CORRUGATED PLATE					M237		1	STRUT				
	FR104	1	MISC					M165		1	CORRUGATED PLATE					M238		1	STRUT				
	FR105	1	MISC					M166		1	CORRUGATED PLATE					M239		1	STRUT				
	FR106	1	MISC					M167		1	CORRUGATED PLATE					M240		1	STRUT				
	FR107	1	MISC					M168		1	CORRUGATED PLATE					M241		1	STRUT				
	FR108	1	MISC					M169		1	CORRUGATED PLATE					M242		1	STRUT				
	FR109	1	MISC					M170		1	CORRUGATED PLATE					M243		1	STRUT				
	FR110	3	MISC					M171		1	CORRUGATED PLATE					M244		1	STRUT				
	FR111	3	MISC					M172		1	CORRUGATED PLATE					M245		1	STRUT				
	FR112	4	MISC					M173		1	CORRUGATED PLATE					M246		1	STRUT				
	M101	1	MISC					M174		1	MISC					M247		1	STRUT				
	M102	1	MISC					M175		1	CORRUGATED PLATE					M248		1	STRUT				
	M103	1	MISC					M176		4	CORRUGATED PLATE					M249		1	STRUT				
	M104	1	MISC					M177		1	CORRUGATED PLATE					M250		1	STRUT				
	M105	1	MISC					M178		1	CORRUGATED PLATE					M251		1	STRUT				
	M106	1	MISC					M179		1	CORRUGATED PLATE					M252		1	STRUT				
	M107	1	MISC					M180		1	MISC					M253		5	STRUT				
	M108	1	MISC					M181		2	MISC					M254		5	STRUT				
	M109	1	MISC					M182		1	CORRUGATED PLATE					M255		2	STRUT				
	M110	1	MISC					M183		1	CORRUGATED PLATE					M256		2	STRUT				
	M111	1	MISC					M184		1	CORRUGATED PLATE					M257		1	STRUT				
	M112	1	MISC					M185		1	CORRUGATED PLATE					M258		1	STRUT				
	M113	1	MISC					M186		1	CORRUGATED PLATE					M259		1	STRUT				
	M114	1	MISC					M187		1	CORRUGATED PLATE					M260		2	STRUT				
	M115	1	MISC					M188		1	CORRUGATED PLATE					M261		1	STRUT				
	M116	1	MISC					M189		1	CORRUGATED PLATE					M262		12	MISC				
	M117	1	MISC					M190		2	CORRUGATED PLATE					M263		3	MISC				
	M118	1	MISC					M191		1	CORRUGATED PLATE					M264		4	MISC				
	M119	1	MISC					M192		1	CORRUGATED PLATE					M265		8	MISC				
	M120	1	MISC					M193		1	CORRUGATED PLATE					M266		1	MISC				
	M121	1	MISC					M194		2	CORRUGATED PLATE					M267		2	MISC				
	M122	1	MISC					M195		1	CORRUGATED PLATE												
	M123	1	MISC					M196		1	CORRUGATED PLATE												
	M124	1	MISC					M197		3	CORRUGATED PLATE												
	M125	1	MISC					M198		1	CORRUGATED PLATE												
	M126	1	MISC					M199		51	MISC												
	M127	1	MISC					M200		8	MISC												
	M128	1	MISC					M201		2	MISC												
	M129	3	CORRUGATED PLATE					M202		2	MISC												
	M130	1	CORRUGATED PLATE					M203		2	MISC												
	M131	1	CORRUGATED PLATE					M204		9	MISC												
	M132	1	CORRUGATED PLATE					M205		1	MISC												
	M133	1	CORRUGATED PLATE					M206		1	MISC												
	M134	1	MISC					M207		2	MISC												
	M135	3	MISC					M208		10	MISC												
	M136	1	CORRUGATED PLATE					M209		5	MISC												
	M137	1	CORRUGATED PLATE					M210		15	MISC												
	M138	2	CORRUGATED PLATE					M211		10	MISC												
	M139	5	CORRUGATED PLATE					M212		10	MISC												
	M140	1	CORRUGATED PLATE					M213		5	MISC												
	M141	1	CORRUGATED PLATE					M214		5	MISC												
	M142	1	CORRUGATED PLATE					M215		15	MISC												
	M143	1	CORRUGATED PLATE					M216		10	MISC												
	M144	2	CORRUGATED PLATE					M217		5	MISC												
	M145	1	CORRUGATED PLATE					M218		15	MISC												
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	M147	2	CORRUGATED PLATE					M220		10	MISC												

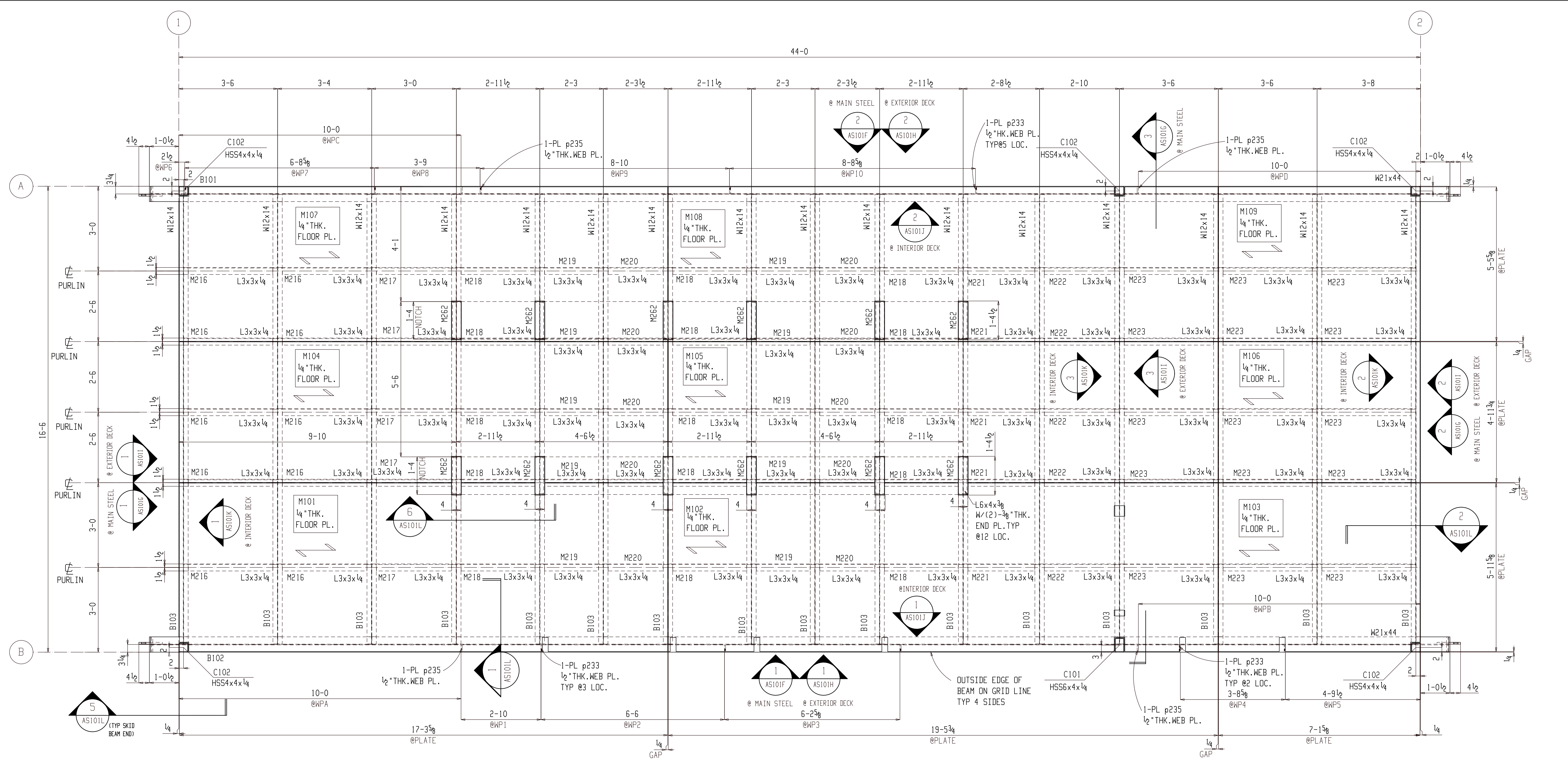
SHOP NOTE:

- INSULATE ALL WALLS, FLOORS, AND CEILINGS WITH HIGH TEMPERATURE MINERAL FIBER ACOUSTICAL FIRE BATT INSULATION , MIN R VALUE 4 PER INCH, MIN 2000F MELTING TEMP. ROXUL AFB OR EQUAL. FILL ALL PANEL VOIDS OR PROVIDE THICKNESS AS INDICATED ON DRQWINGS. MECHANICALLY FASTEN FLOOR INSULATION TIGHT TO FLOOR.
- UPON COMPLETION OF FABRICATION ROUND ALL CORNERS AND GRIND EDGES SMOOTH AND PAINT ALL INTERIOR AND EXTERIOR EXPOSED STEEL. PERFORM ALL PAINTING IN A WARM DRY ENVIRONMENT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS INCLUDING DRYING TIME TO RE-COAT.
- SANDBLAST EXTERIOR SURFACE TO SSPC-SP-10. PRIME WITH ONE COAT OF REINFORCED INORGANIC ZINC PRIMER, DEVOE CATHA-COAT 302 OR APPROVED EQUAL, COLOR GREEN, TO 3 MILS DRY FILM THICKNESS. COVER WITH TWO COATS OF EPOXY, DEVOE BAR-RUST 236 OR APPROVED EQUAL, TO 12 MILS DRY FILM THICKNESS. FIRST COAT COLOR GRAY, SECOND COAT COLOR WHITE.
- FINISH EXTERIOR WALLS AND SKIDS (ALL EXPOSED VERTICAL EXTERIOR SURFACES) WITH ONE COAT OF ALIPHATIC URETHANE ENAMEL, DEVOE DEVTHANE 389 OR APPROVED EQUAL, COLOR WHITE, TO 3 MILS DRY FILM THICKNESS.
- SANDBLAST INTERIOR SURFACE TO SSPC-SP-6. PRIME AND FINISH WITH TWO COATS OF EPOXY, PPG AMERLOC 2 VOC OR APPROVED EQUAL, TO 8 MILS TOTAL DRY FILM THICKNESS. CEILING COLOR WHITE. WALL AND FLOOR COLOR ANSI 61 GRAY. NOTE THAT FIRST COAT ON WALLS AND FLOOR MAY BE WHITE.

**FOR FABRICATION**

FIELD NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U/N	13/16Ø	PAINT U/N	WELDS: E70XX
CLEANING:			
JOB NAME: NAPASKIAK 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		JOB NUMBER	SHEET NO.   REV
		460	AS101A   △

WORK THIS SHEET WITH AS101A THRU AS101M



# BASE FRAME FLOOR PLAN

## 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.

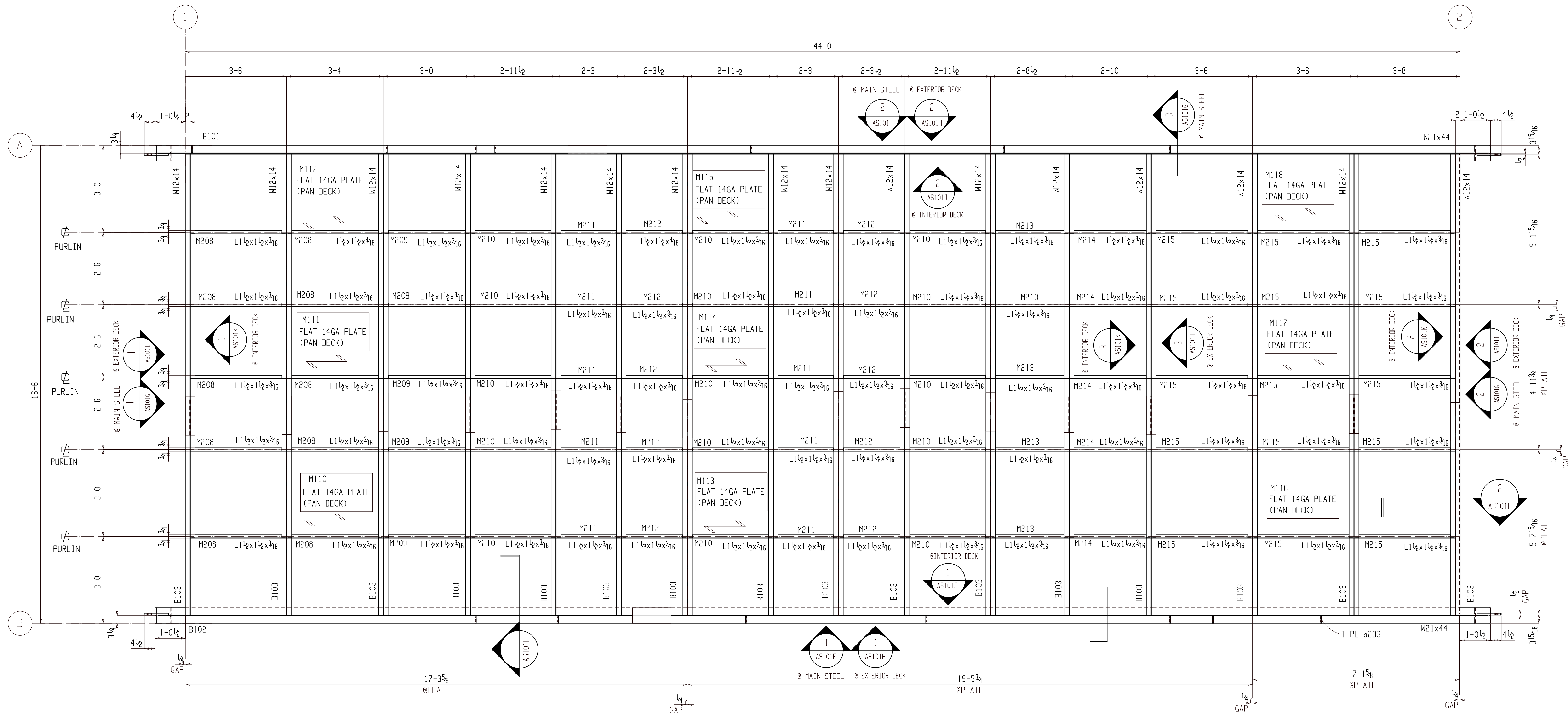
**FOR FABRICATION**

**FIELD NOTES:**

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
⊕	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES UN	13/16Ø	PAINT UN		WELDS	E70XX	CLEANING	
JOB NAME:	NAPASKIAK 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(PLAN)			JOB NUMBER	SHEET NO.	REV	
	460	AS101B	△				

WORK THIS SHEET WITH AS101A THRU AS101M



# BOTTOM PLATE FLOOR PLAN

## FOR FABRICATION

FIELD NOTES:

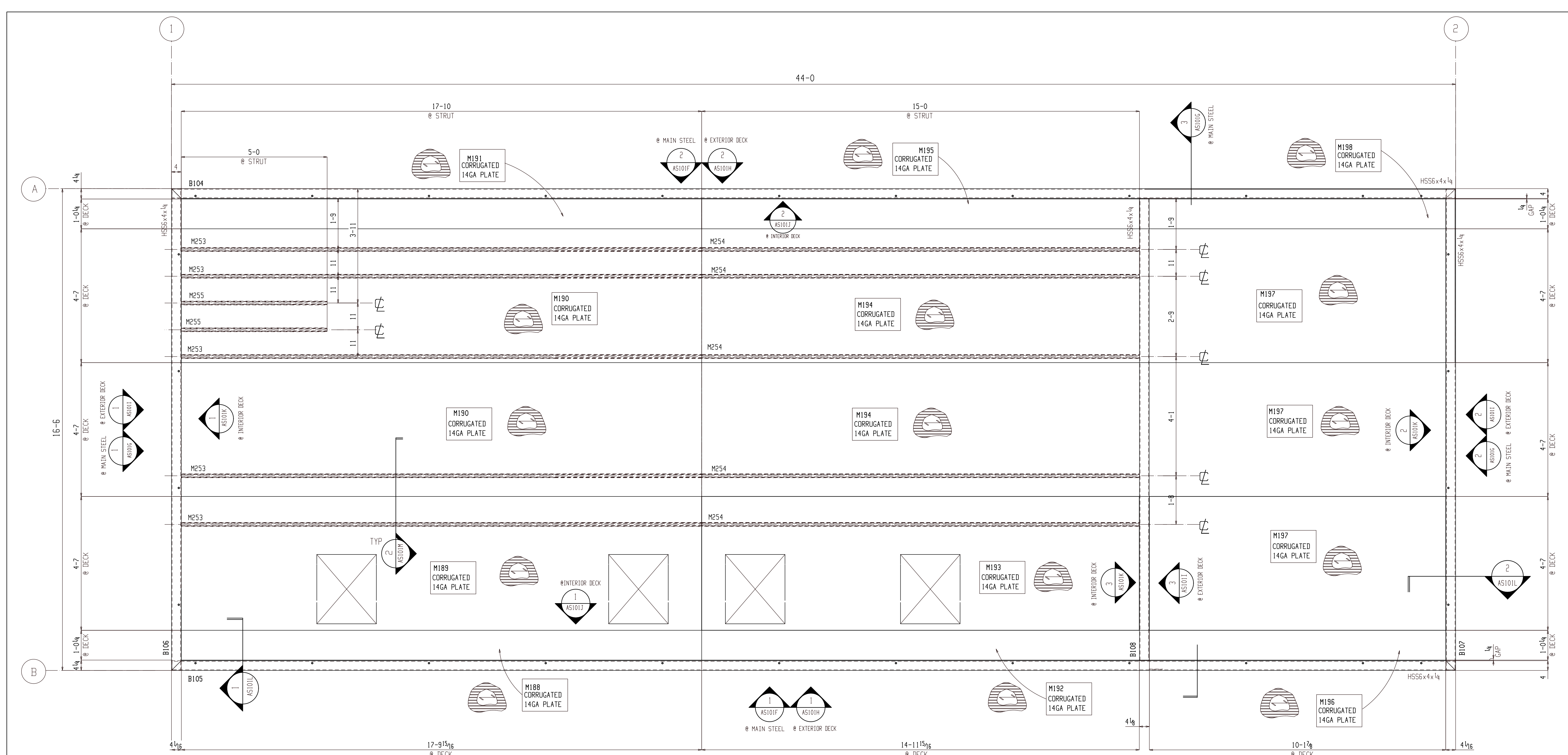
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DEG REF. SPEC. / DWG:			
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⊕	For Re-Approval	ALN	07-13-22
▲	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES UN:	13/16Ø	PAINT UN:		WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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(PLAN)			JOB NUMBER:	460	SHEET NO.:	AS101C

WORK THIS SHEET WITH  
AS101A THRU AS101M







# BOTTOM CEILING STRUT AND DECK PLAN

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

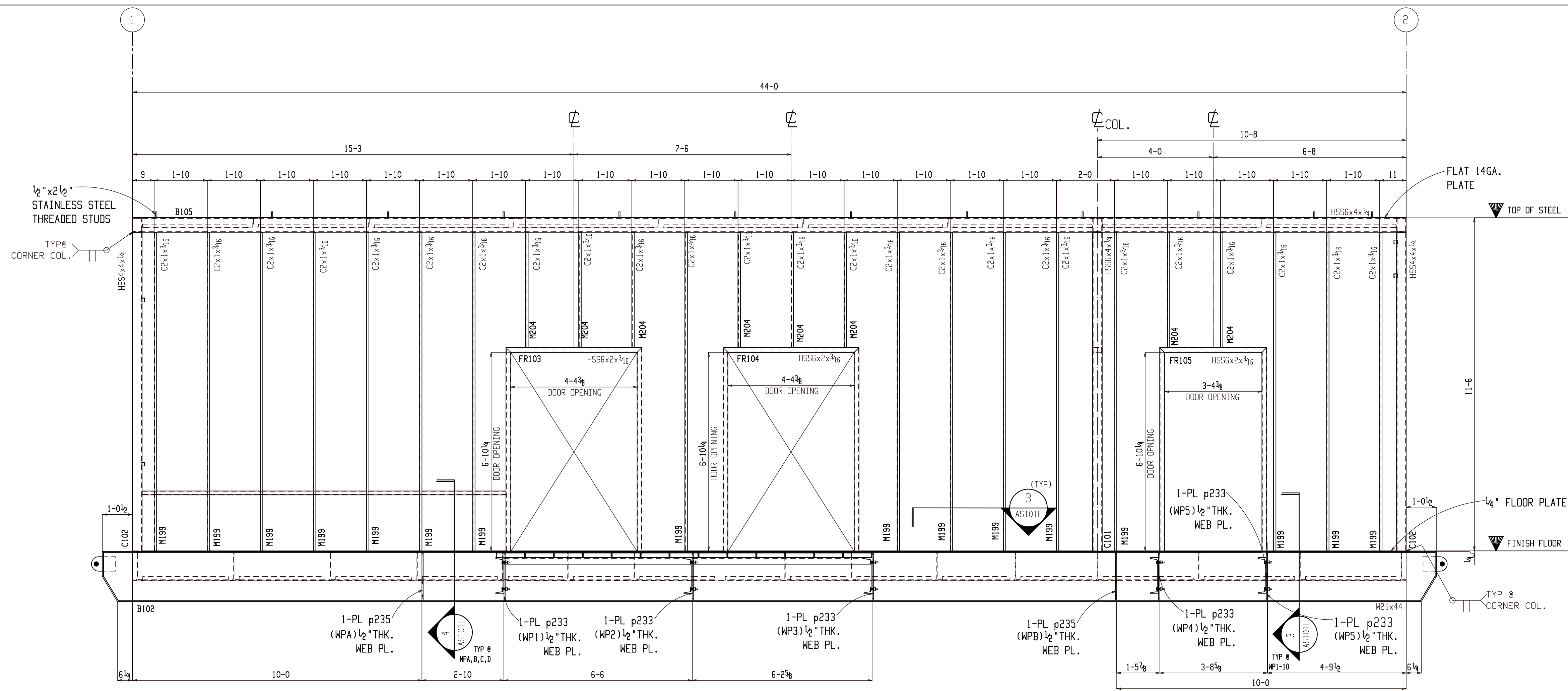
**FOR FABRICATION**

FIELD NOTES:

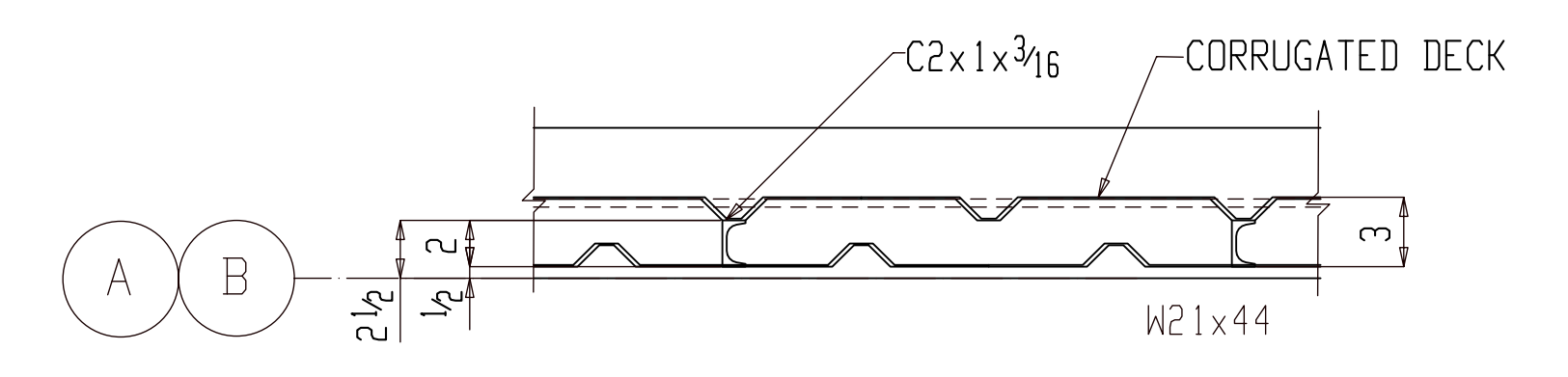
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
⊕	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.		WELDS:	E70XX	CLEANING:	
JOB NAME:		NAPASKIAK POWER SYSTEM UPGRADE		DR. BY:		PKM	
LOCATION:		ALASKA		CHK. BY:		ALN	
CONTRACTOR:		ALASKA ENERGY AUTHORITY		SCALE:		N.A.	
DESCRIPTION:		ASSEMBLY AS101(PLAN)		DATE:		05-26-22	
JOB NUMBER	460	SHEET NO.	AS101E	REV	△		

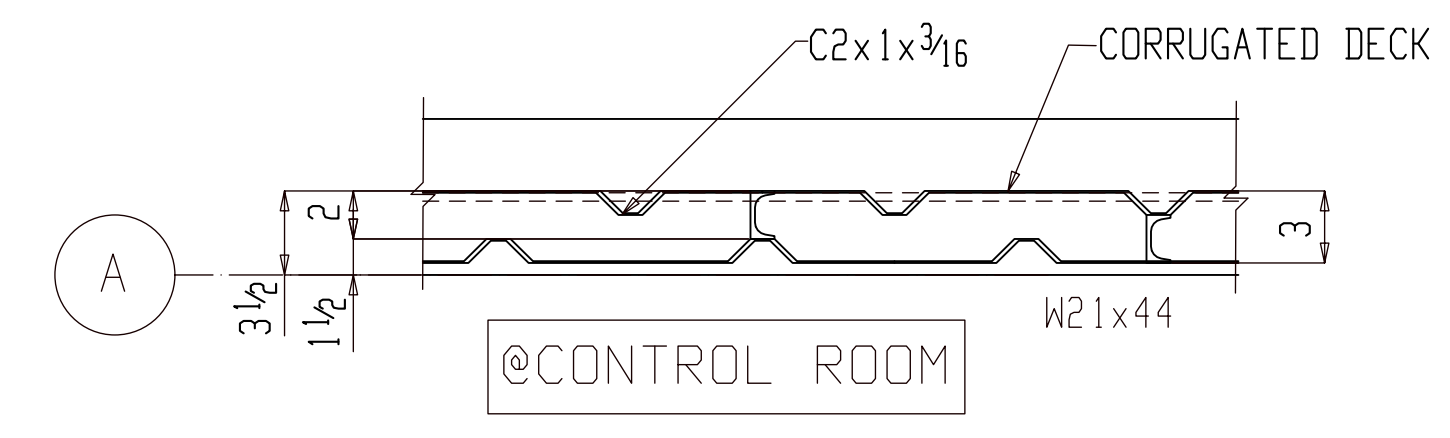
WORK THIS SHEET WITH  
AS101A THRU AS101M



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

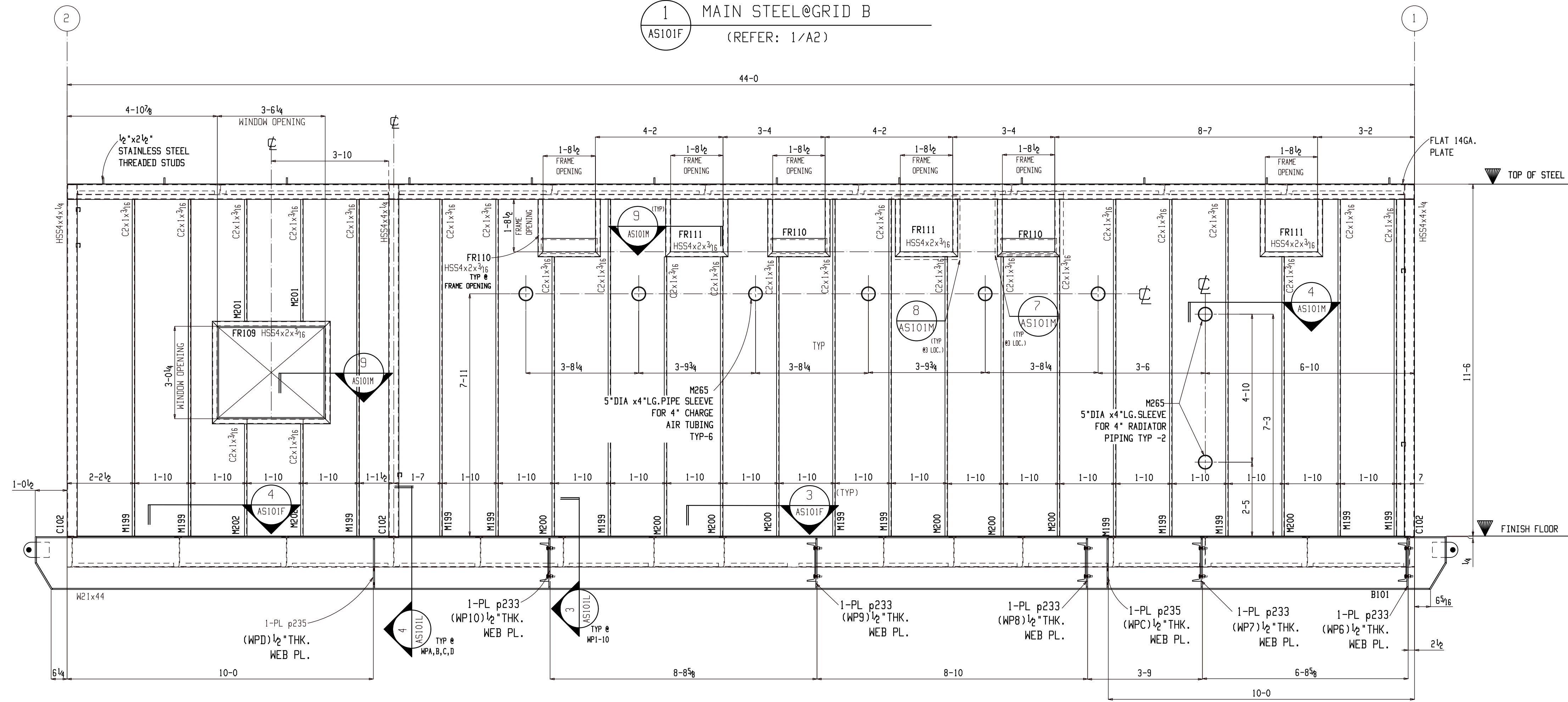


3 SECTION VIEW AS101F



4 SECTION VIEW AS101F

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.

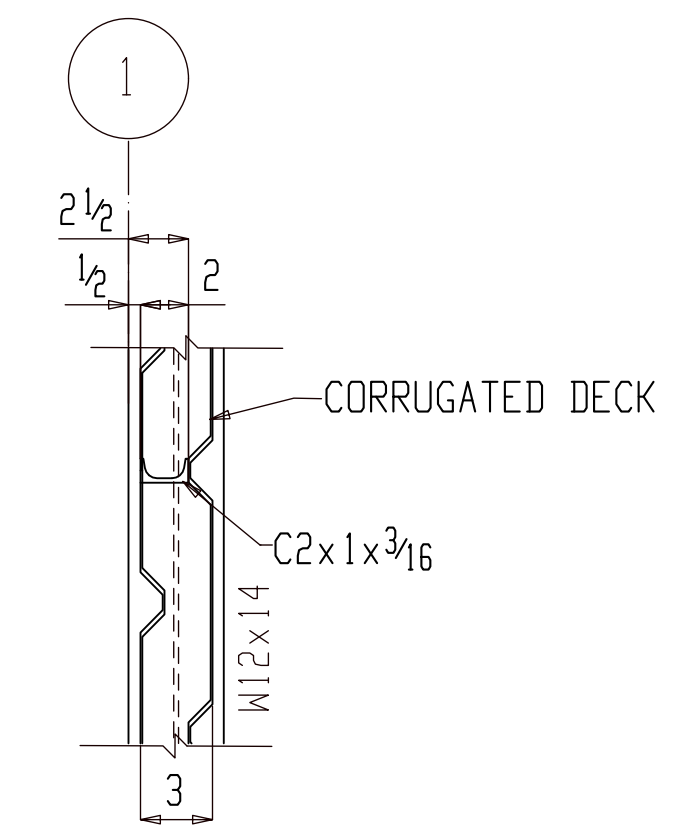
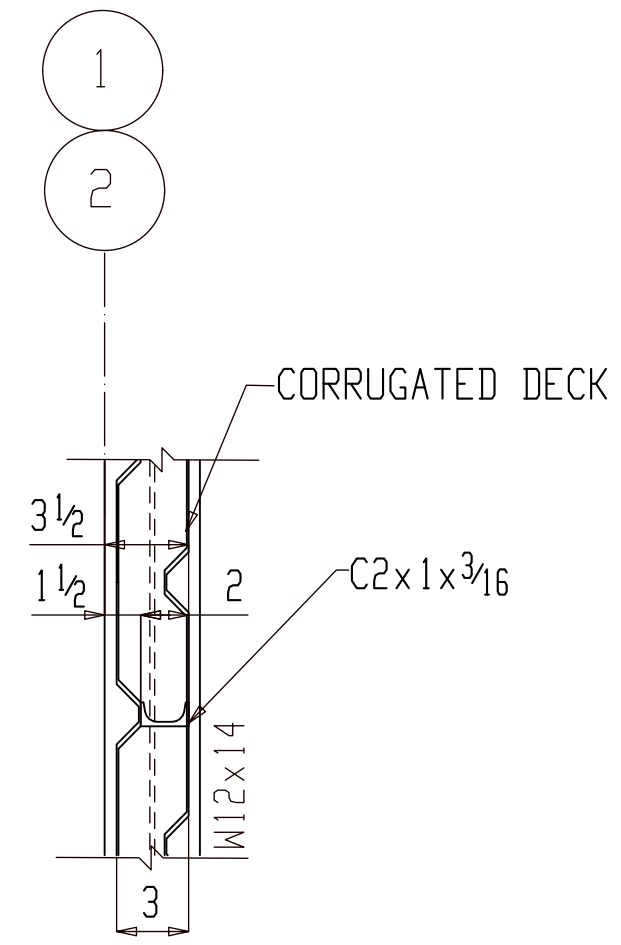
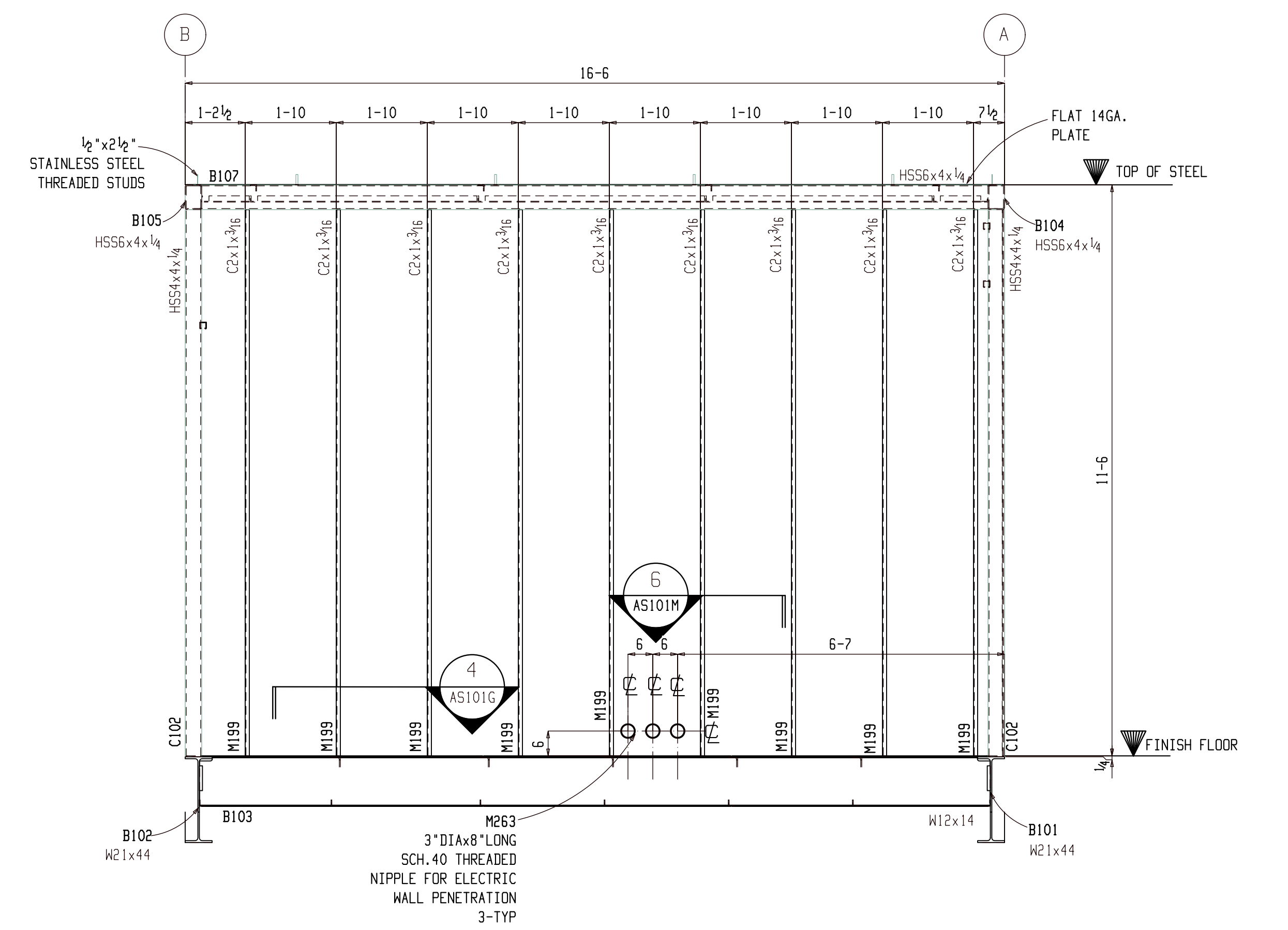
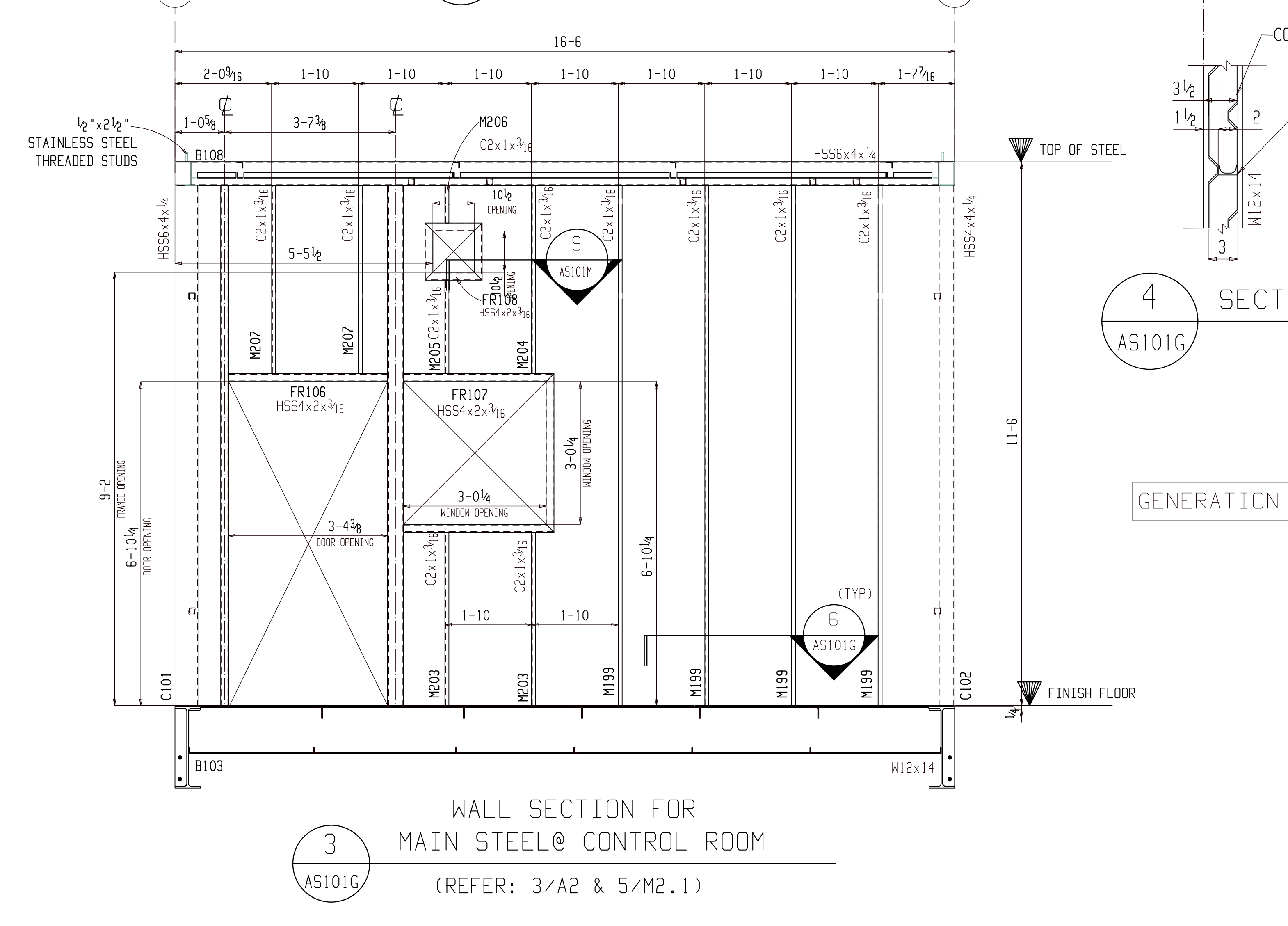
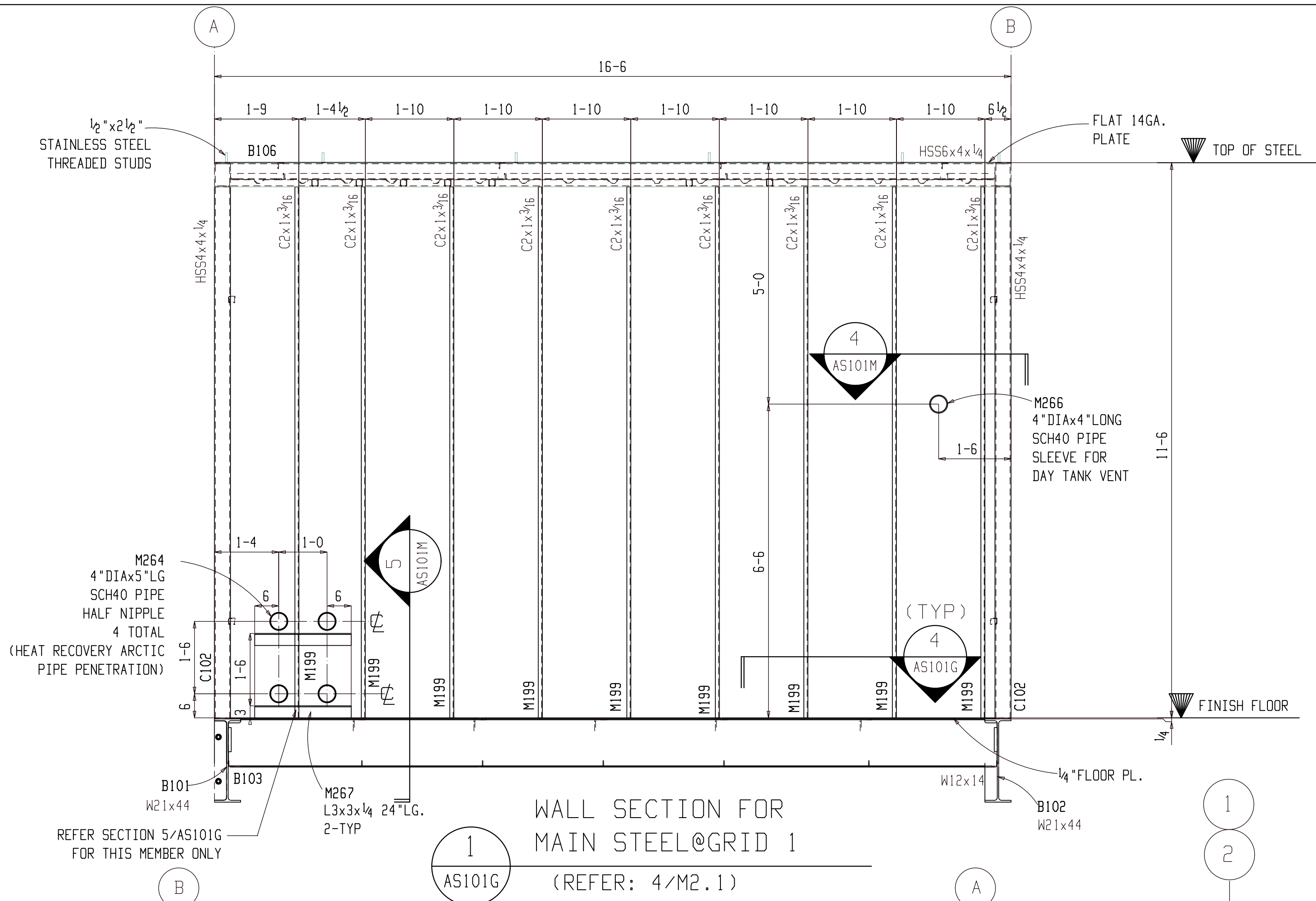


2 WALL SECTION FOR MAIN STEEL@GRID A (REFER: 2/A2 & 3/M2.1)

FOR FABRICATION

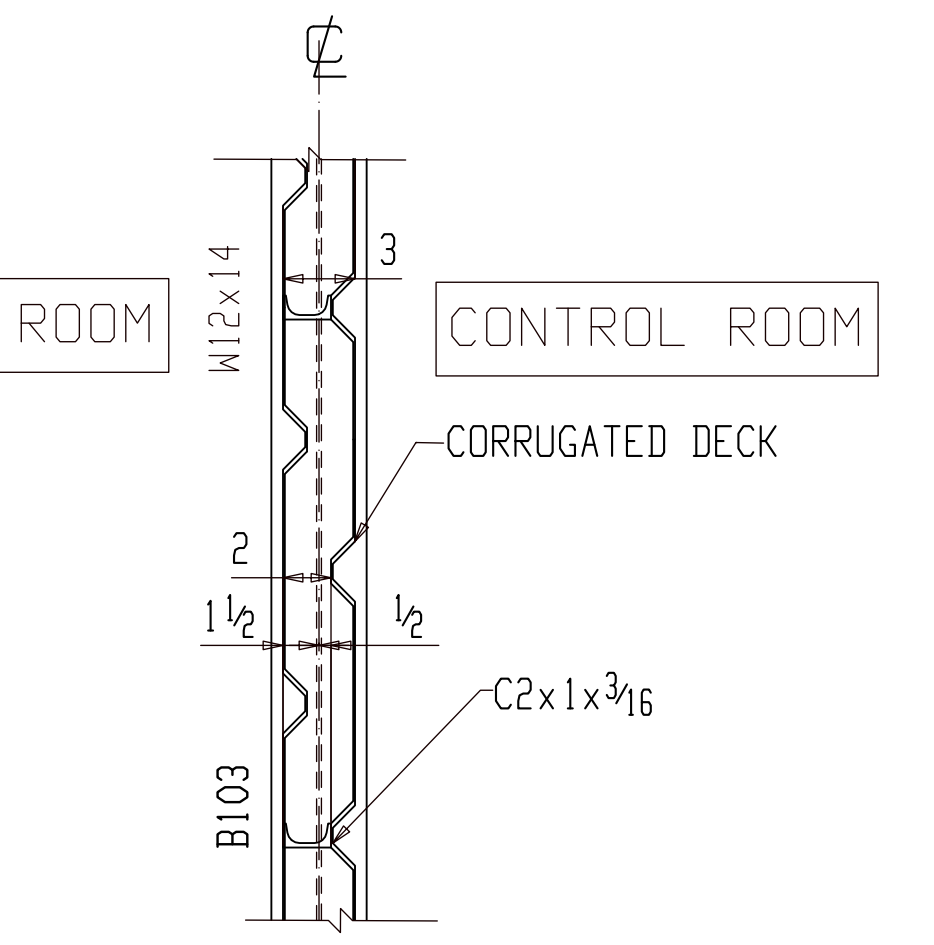
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REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN.	13/16Ø	PAINT UN.	WELDS: E70XX
CLEANING:			
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	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:	460
		SHEET NO.:	AS101F
		REV:	

WORK THIS SHEET WITH AS101A THRU AS101M



4 SECTION VIEW  
AS101G

5 SECTION VIEW  
AS101G



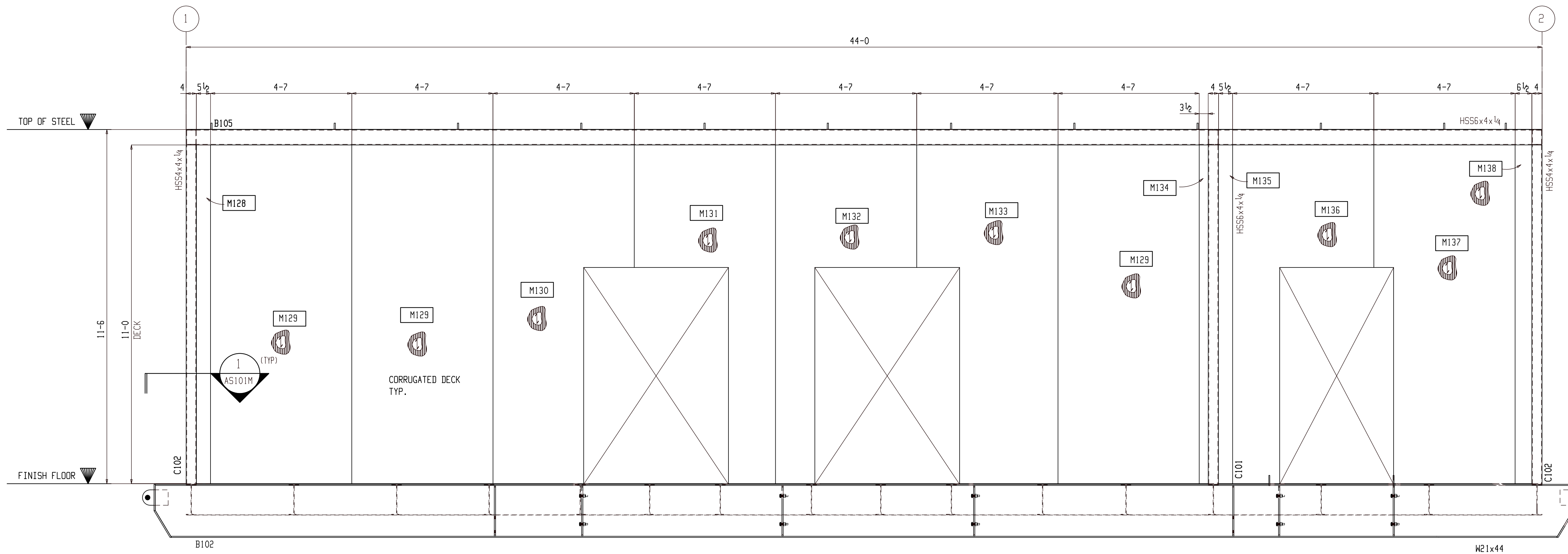
6 SECTION VIEW  
AS101G

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.

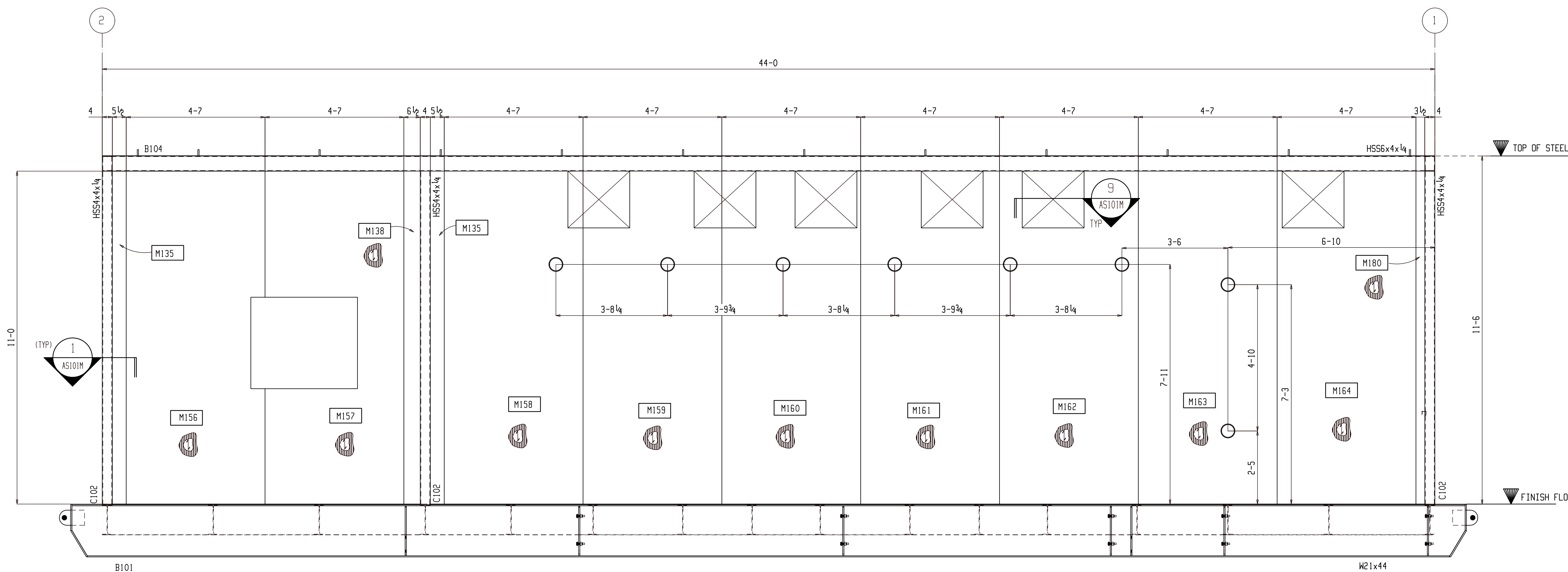
**FOR FABRICATION**

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	WELDS: E70XX
CLEANING:			
JOB NAME:	NAPASKIAK 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:	460
		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

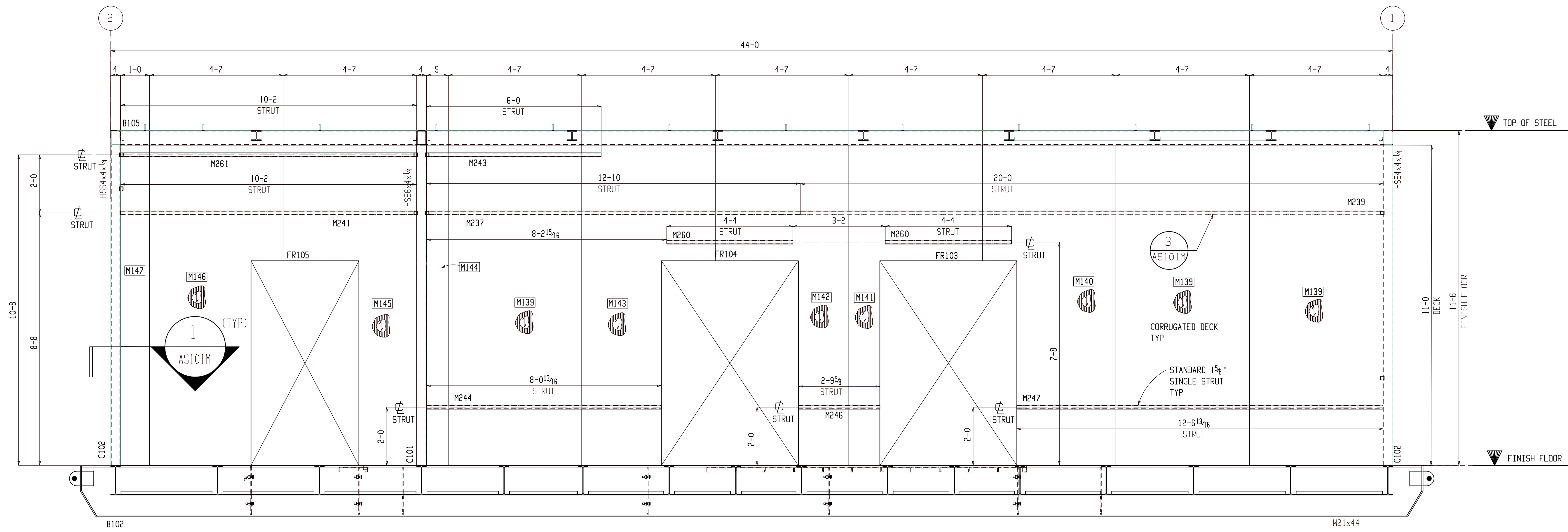
FIELD NOTES:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

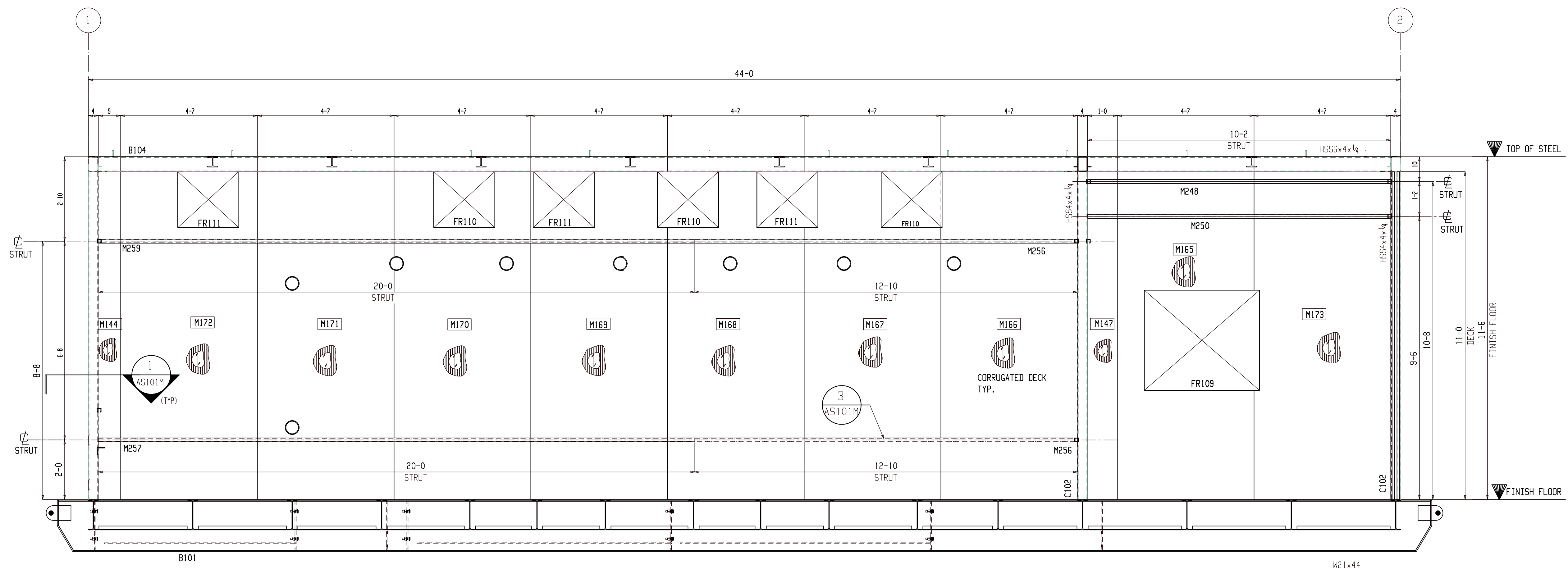
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JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEWS)			JOB NUMBER	SHEET NO.	REV.	
	460	AS101H	△				

WORK THIS SHEET WITH  
AS101A THRU AS101M





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



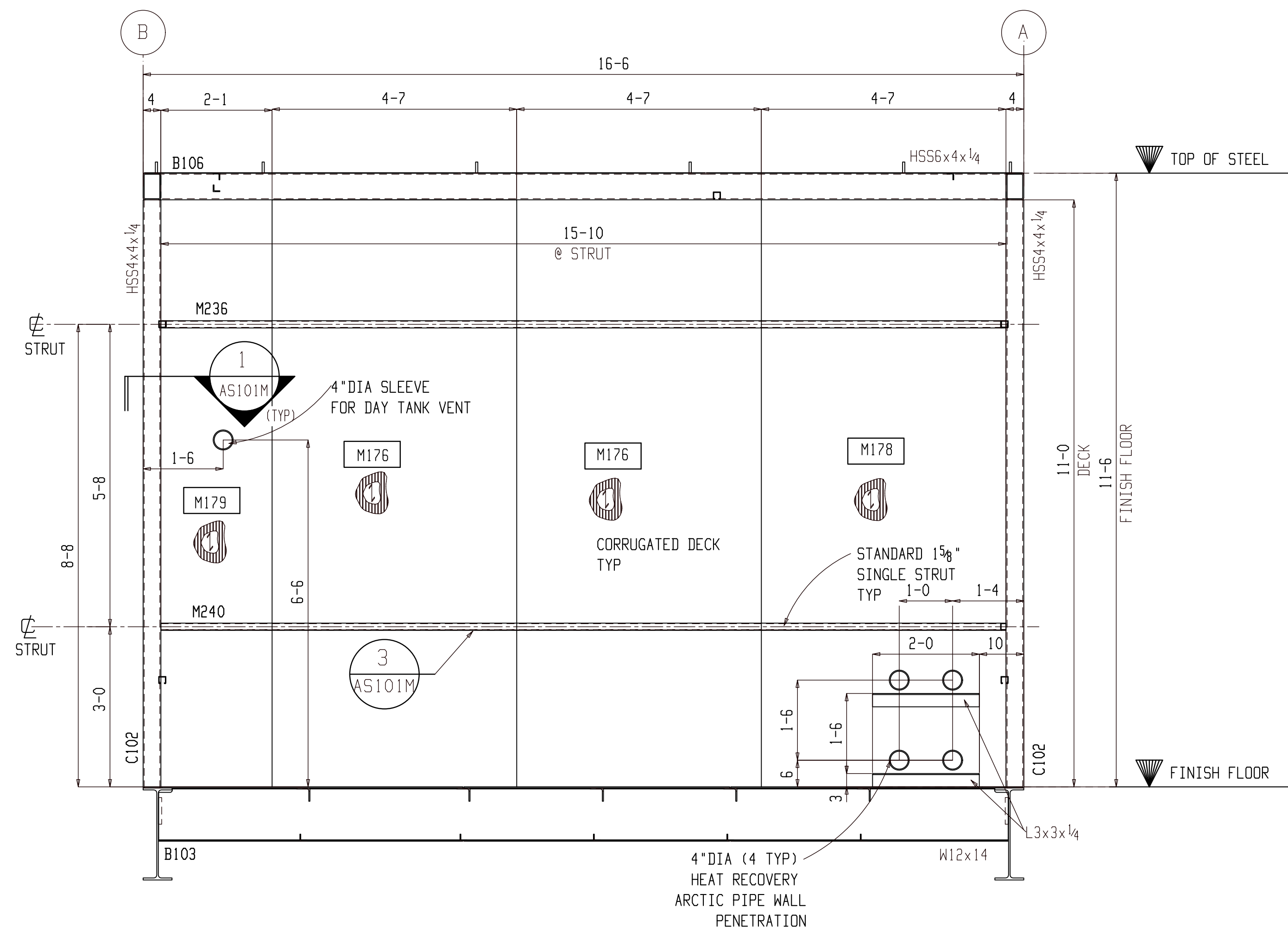
2 INTERNAL DECK SECTION @GRID A  
AS101J (REFER: 2/M2.4)

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.

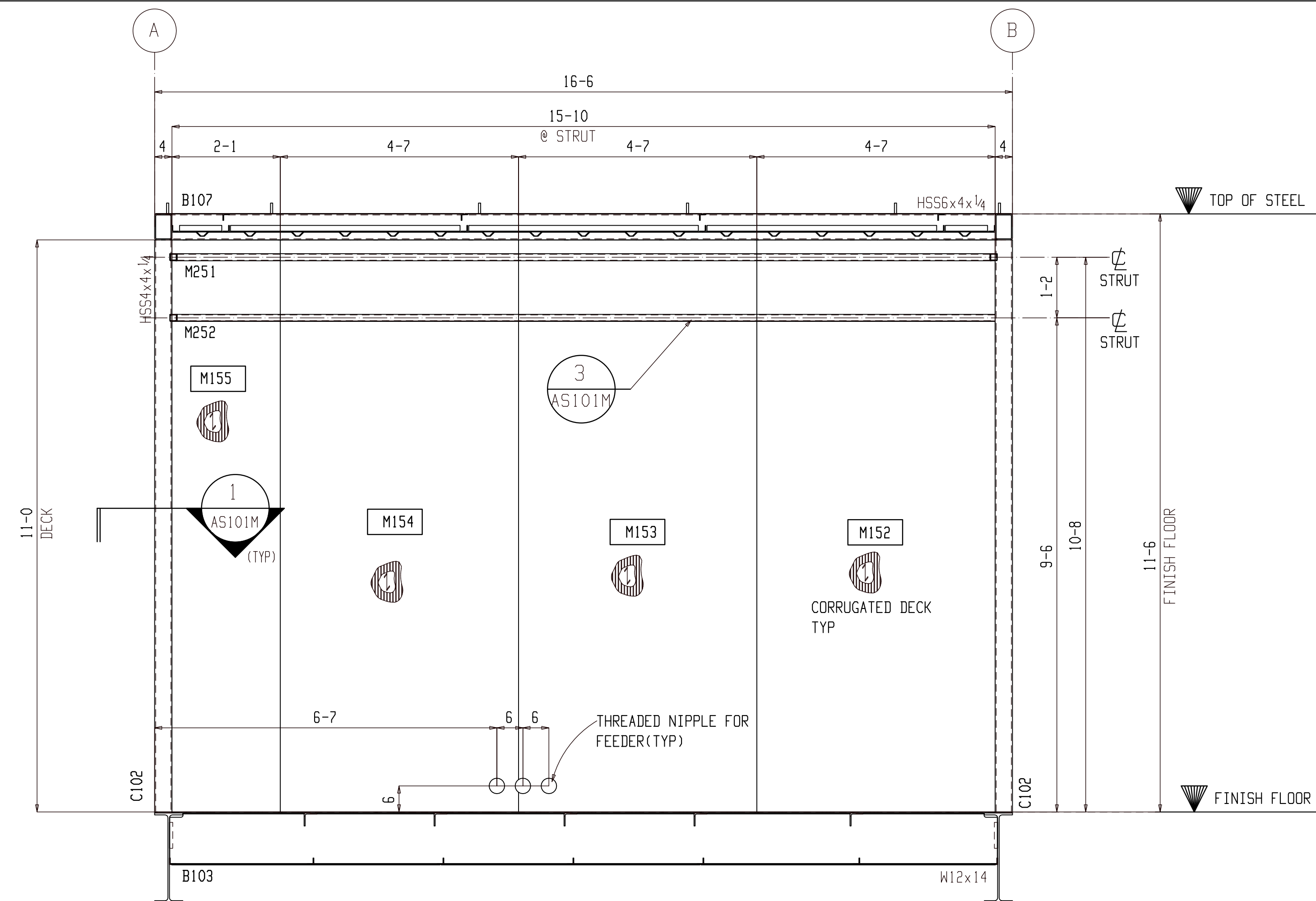
**FOR FABRICATION**

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
▲	For Fabrication	ALN	07-21-22
▲	For Re-Approval	ALN	07-13-22
▲	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	AS101J
REV:			

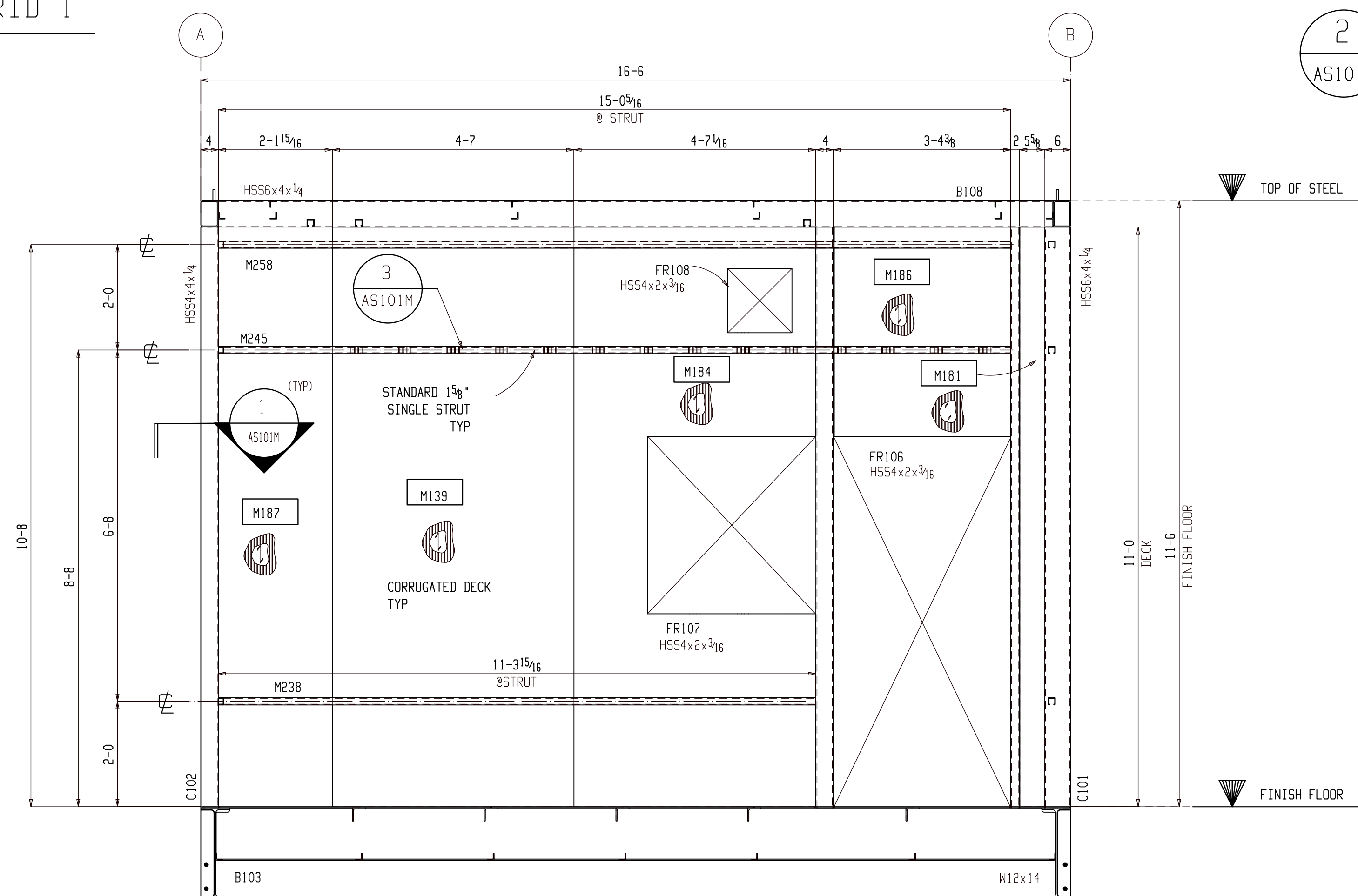
WORK THIS SHEET WITH AS101A THRU AS101M



1 INTERNAL DECK SECTION @GRID 1  
FR101K (REFER: 1/M2.4)



2 INTERNAL DECK SECTION @GRID 2  
AS101K (REFER: 2/M2.4)



3 INTERNAL DECK SECTION @CONTROL ROOM  
AS101K (REFER: 6/M2.4)

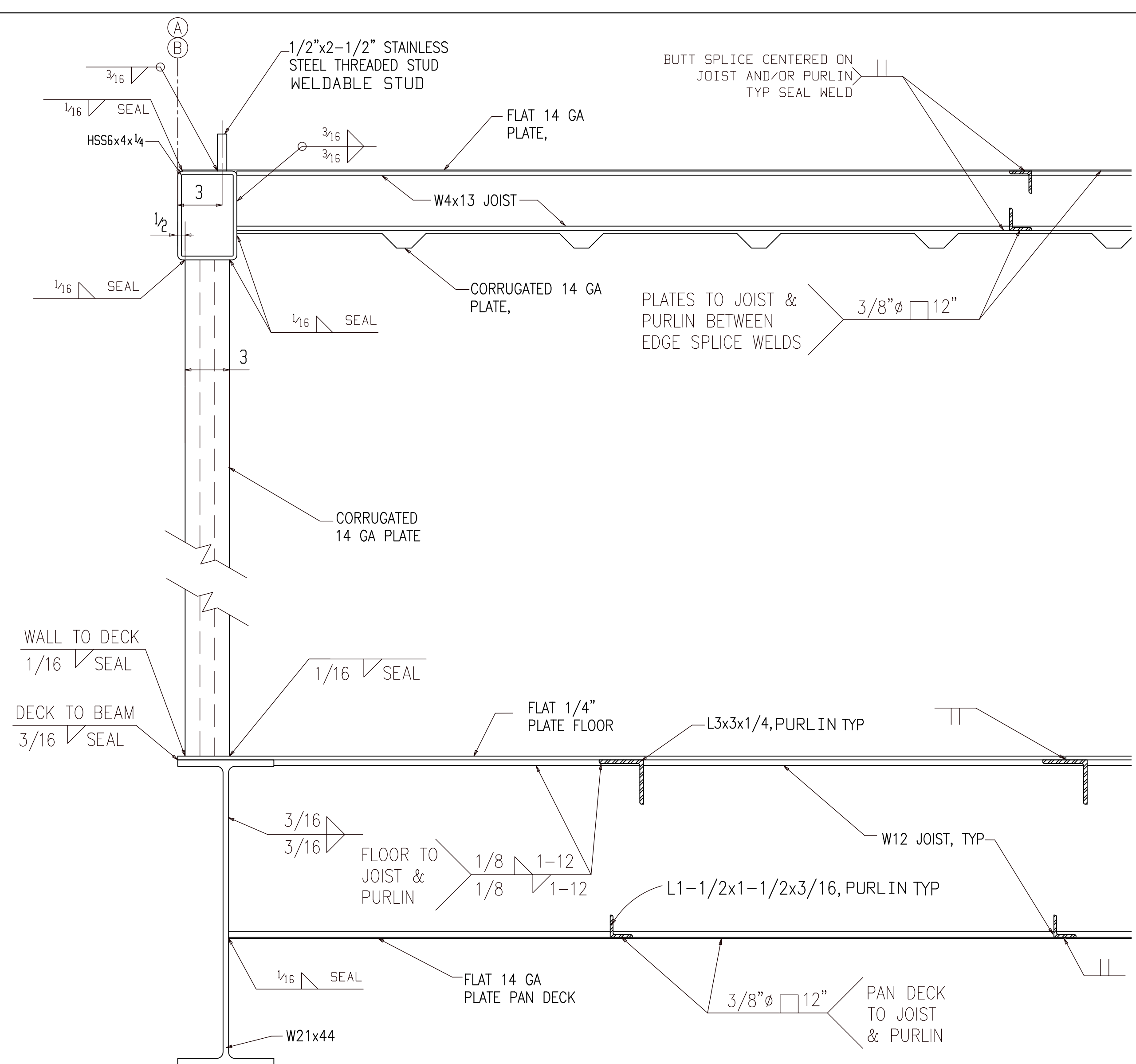
SHOP NOTE:  
1. FULL HEIGHT DOOR JAMBS NOT REQUIRED. IF NOT USED, ENSURE THAT DOOR FRAMES ARE BRACED AS REQUIRED TO STAY PLUMB AND SQUARE WHILE INSTALLING CORRUGATED WALL PANELS.

**FOR FABRICATION**

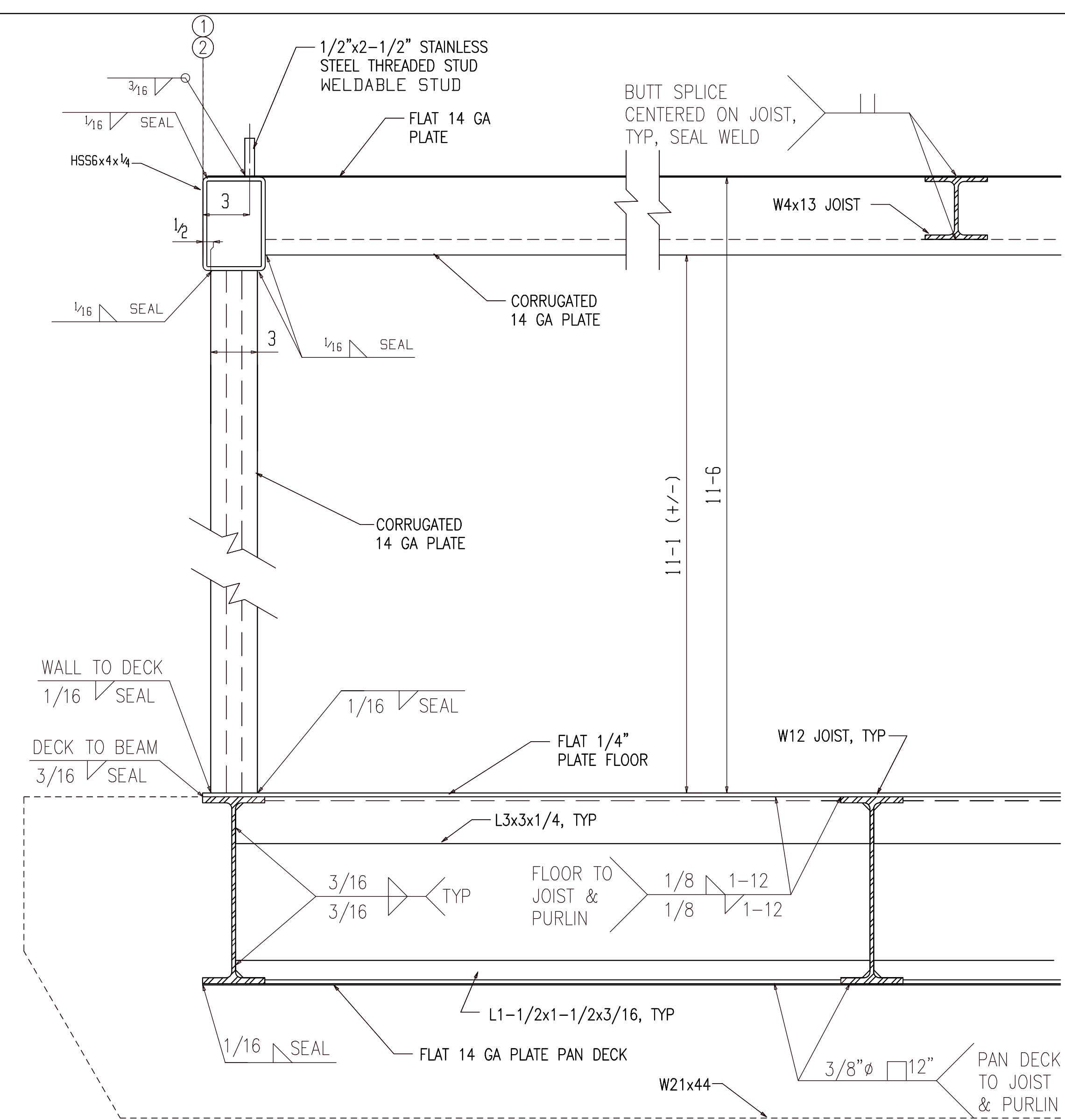
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DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN.	13/160	PAINT UN.	
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 (DECK VIEWS)	DATE:	05-26-22
		JOB NUMBER	460
		SHEET NO.	AS101K
		REV	△

WORK THIS SHEET WITH AS101A THRU AS101M

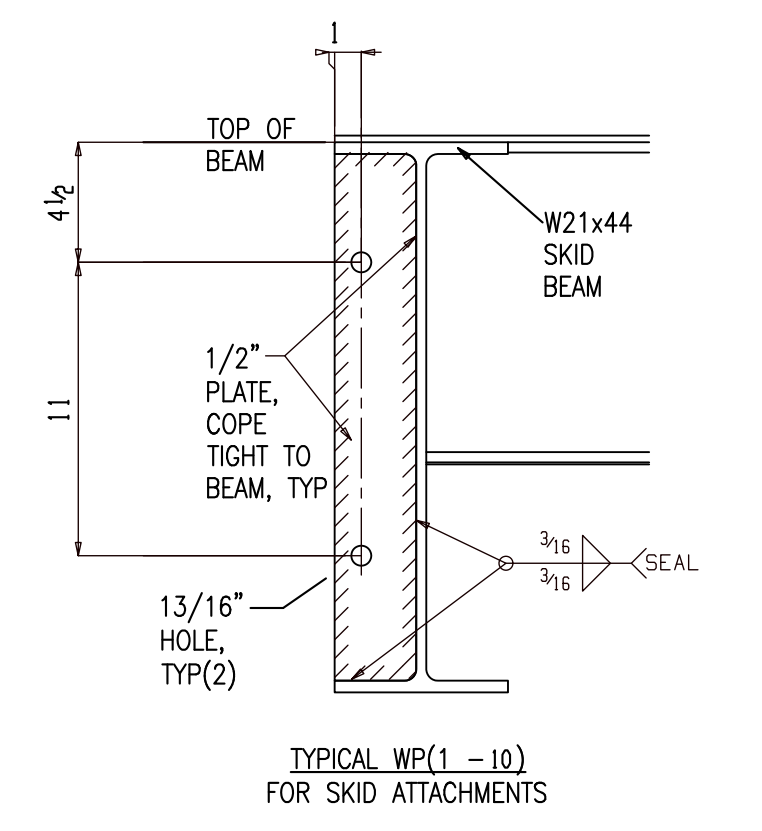




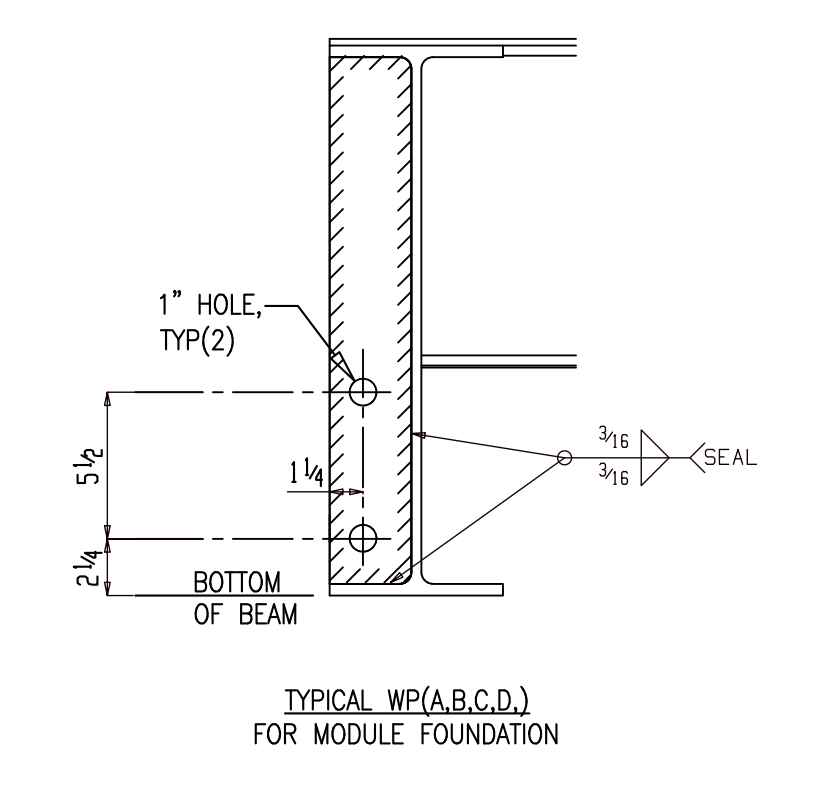
1 TYPICAL BUILDING SECTION  
AS101L (REFER: 1/S3)



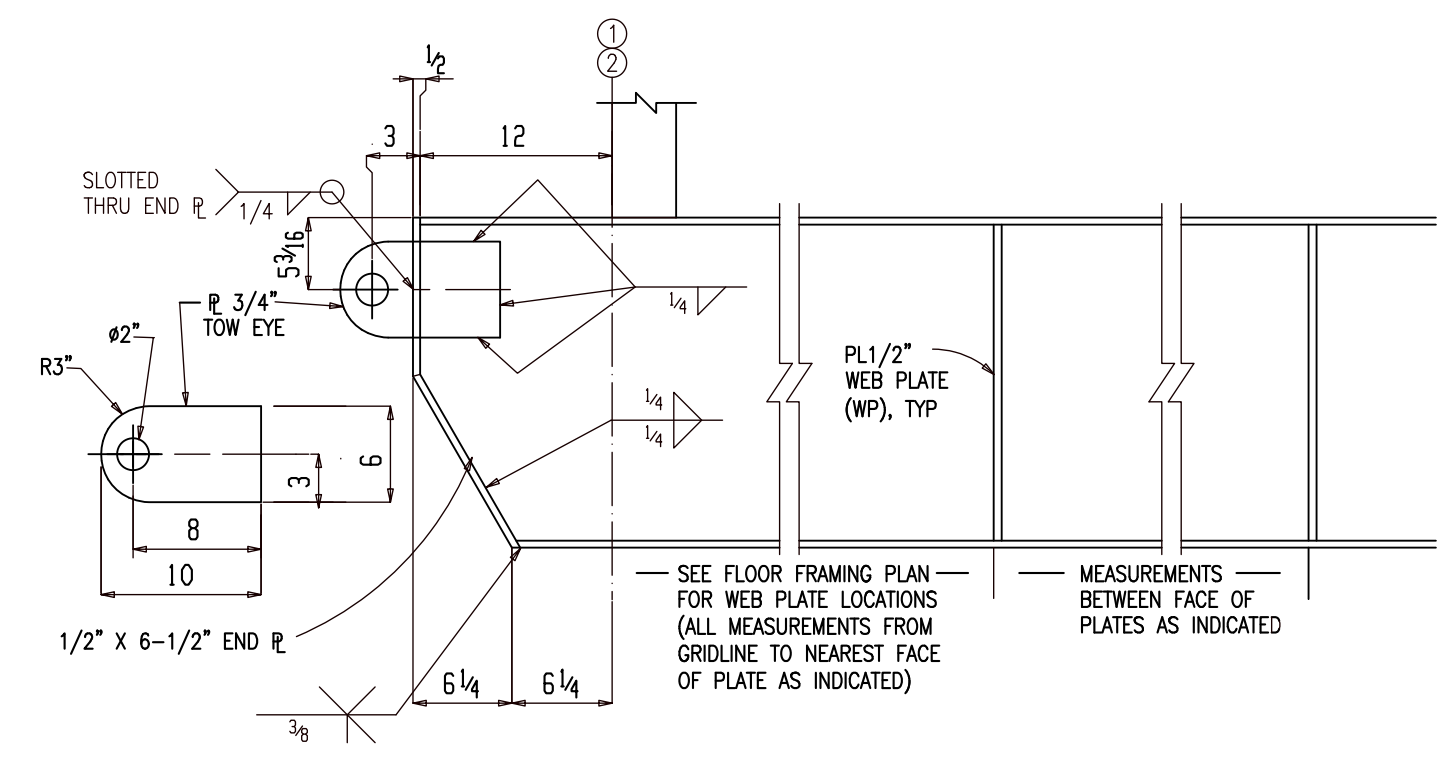
2 TYPICAL BUILDING SECTION  
AS101L (REFER: 2/S3)



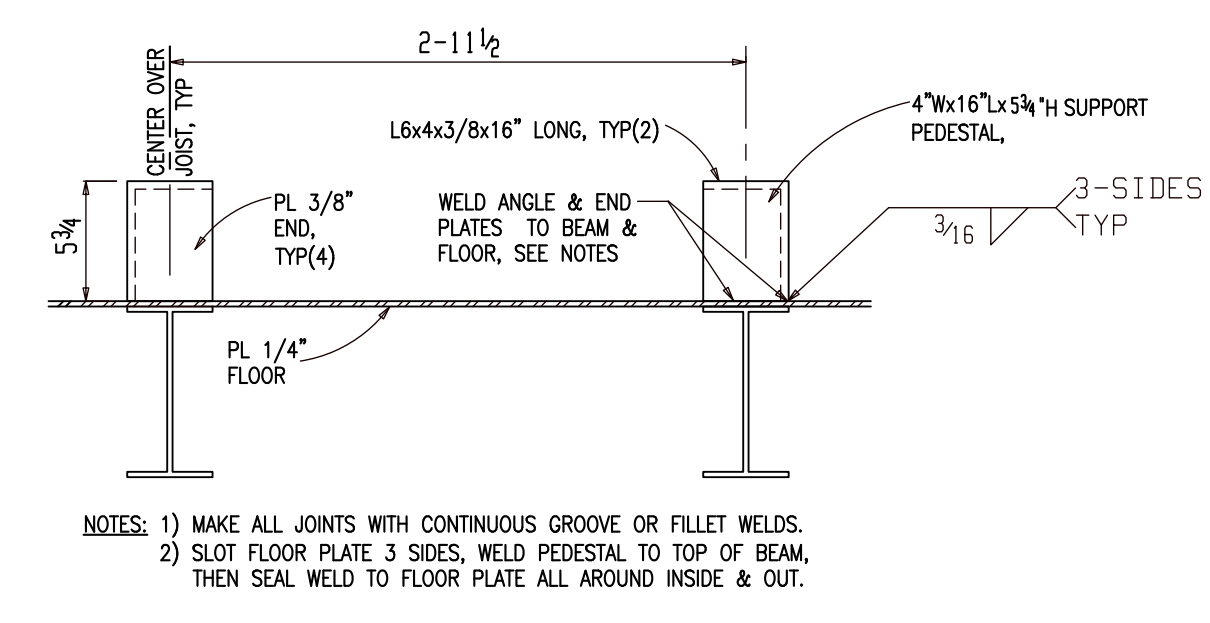
3 TYP WEB PLATE  
AS101L (REFER: 5/S2)  
NOTE: DO NOT SHEAR WEB PLATES. CUT WITH WATER JET, TORCH, OR SAW.



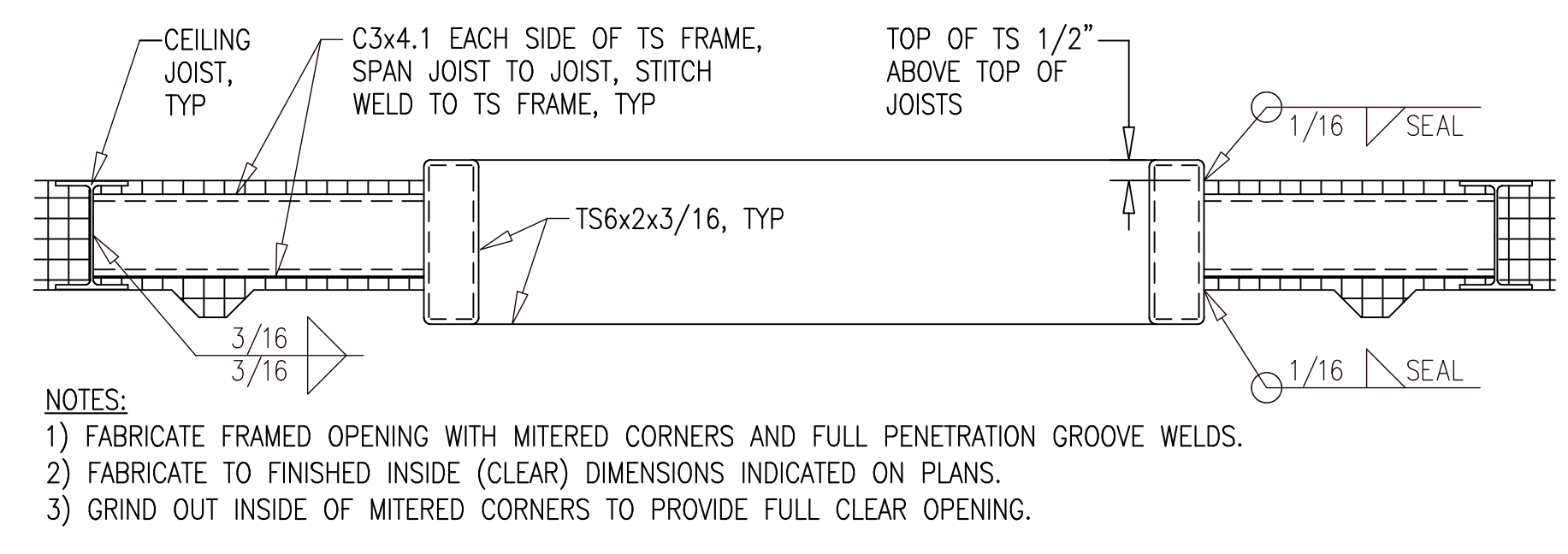
4 TYPICAL WEB PLATE  
AS101L (REFER: 5/S2)



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



6 SUPPORT PEDSTAL FABRICATION  
AS101L (REFER: 2/M2.3)

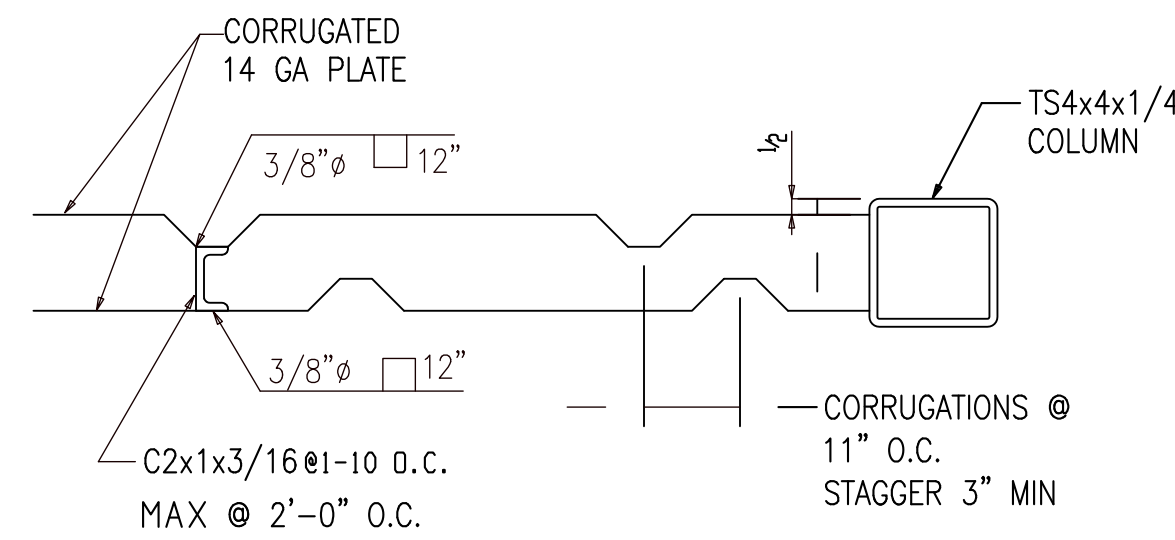


7 TYP ROOF OPENING SECTION  
AS101L (REFER: 1/M2.2)

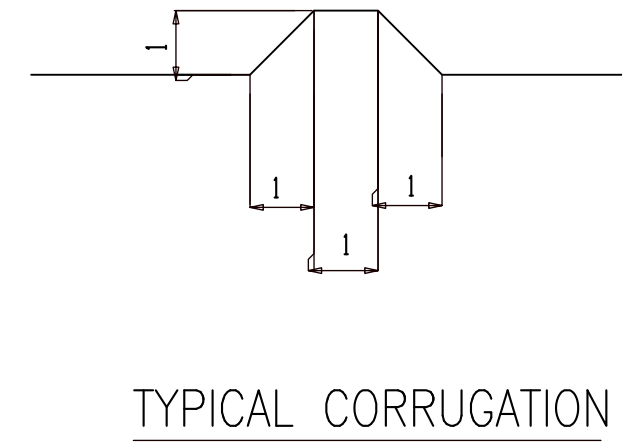
**FOR FABRICATION**

FIELD NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS101 SECTIONS	DATE:	05-26-22
JOB NUMBER:	460	SHEET NO.:	AS101L
		REV:	△

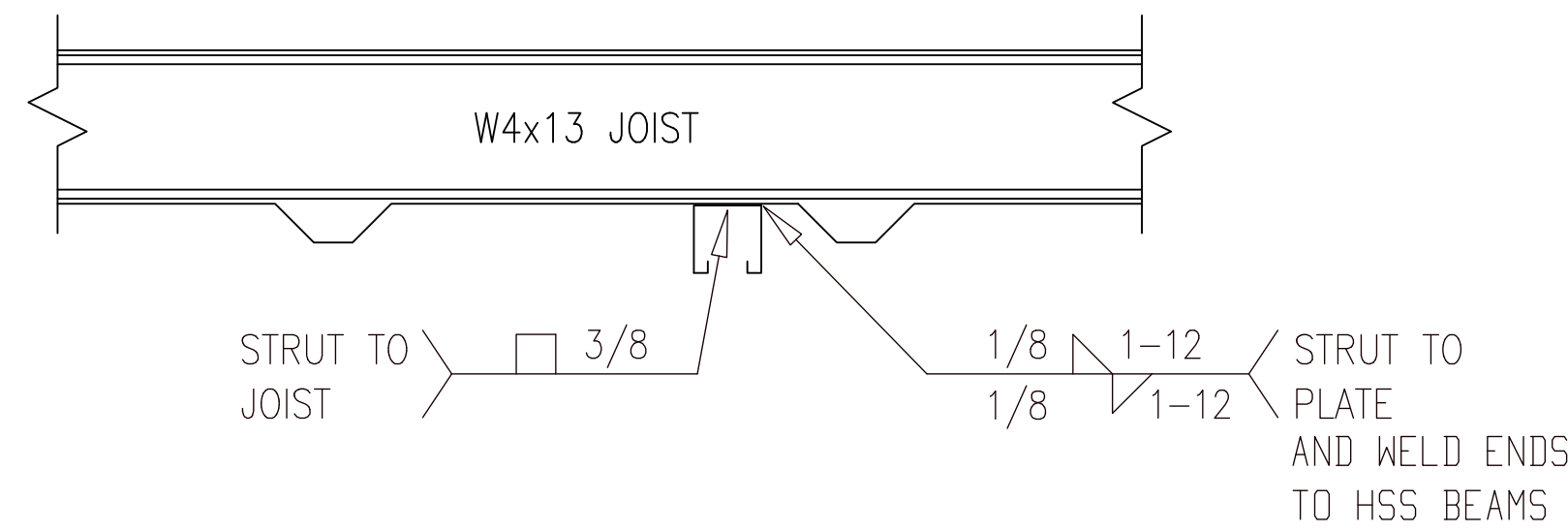
WORK THIS SHEET WITH AS101A THRU AS101M



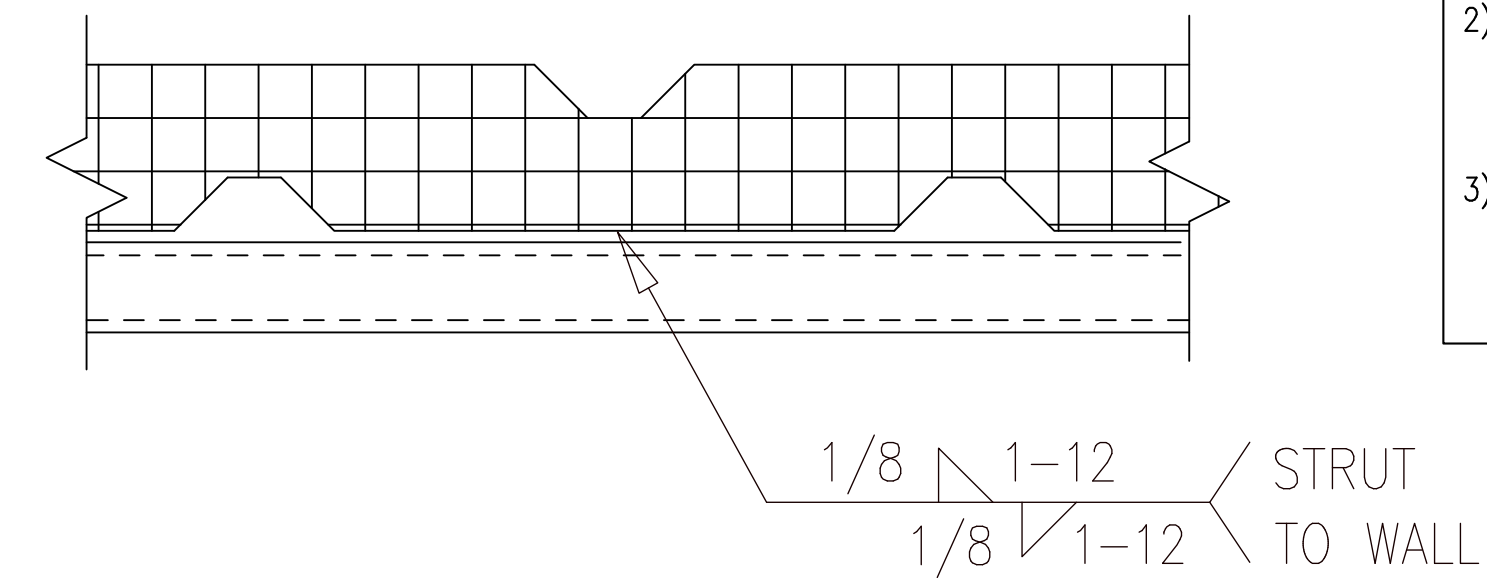
1 TYP. EXTERIOR WALL SECTION  
AS101M (REFER: 3, 4/53)



TYPICAL CORRUGATION



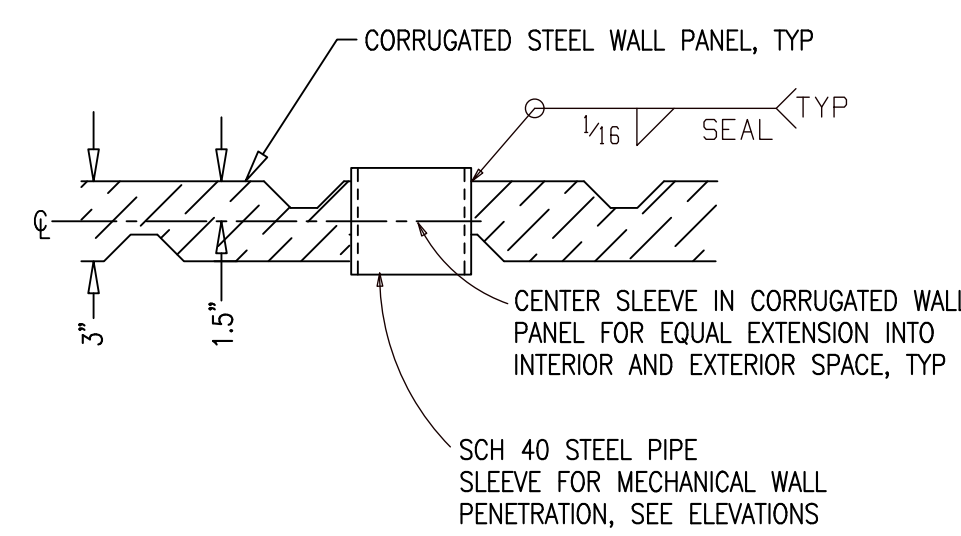
2 STRUT ATTACHMENT TO CEILING  
AS101M (REFER: 6/M2.3)



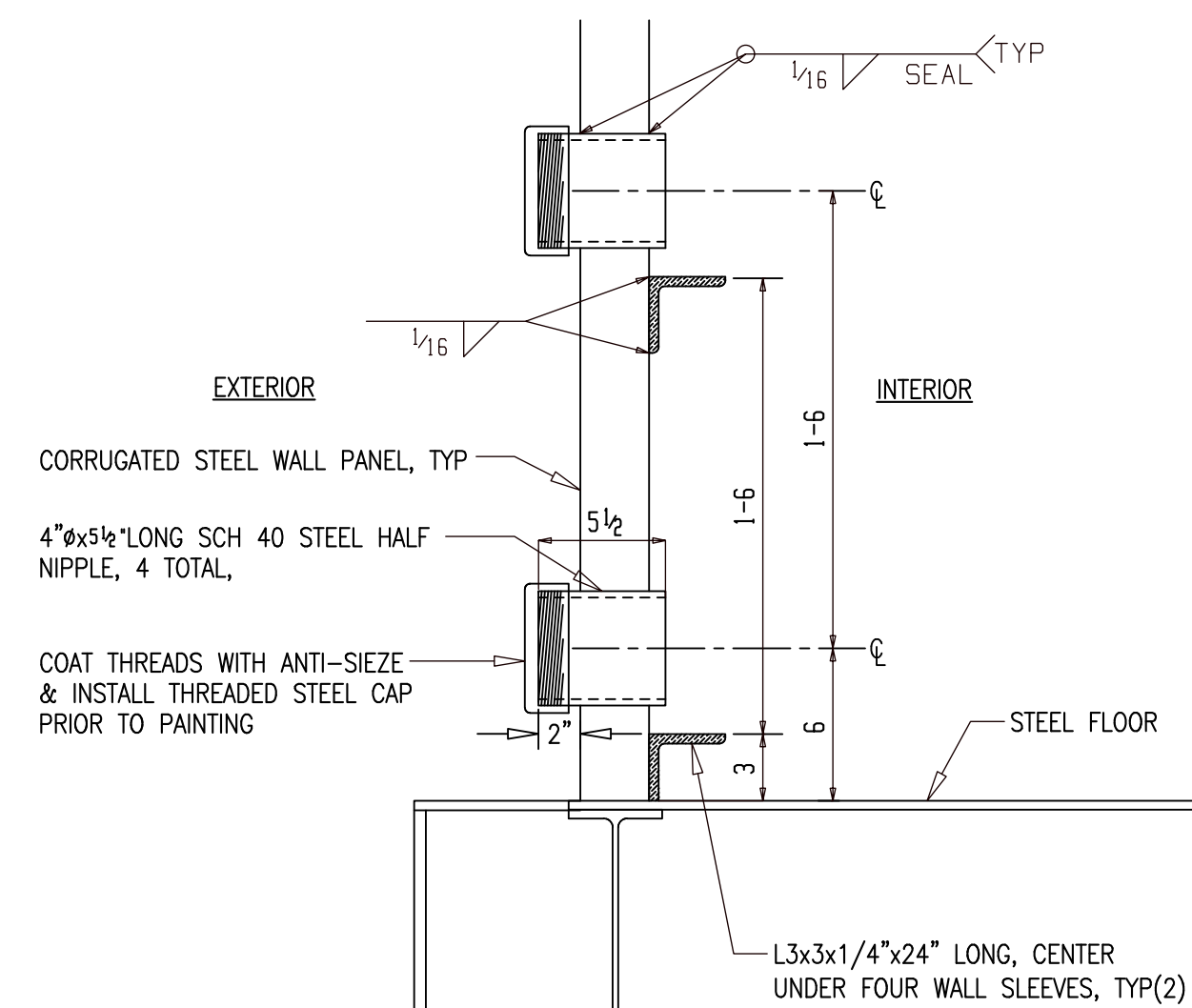
3 HORIZONTAL WALL STRUT ATTACHMENT  
AS101M (REFER: 7/M2.4)

HORIZONTAL WALL STRUT INSTALLATION NOTES:

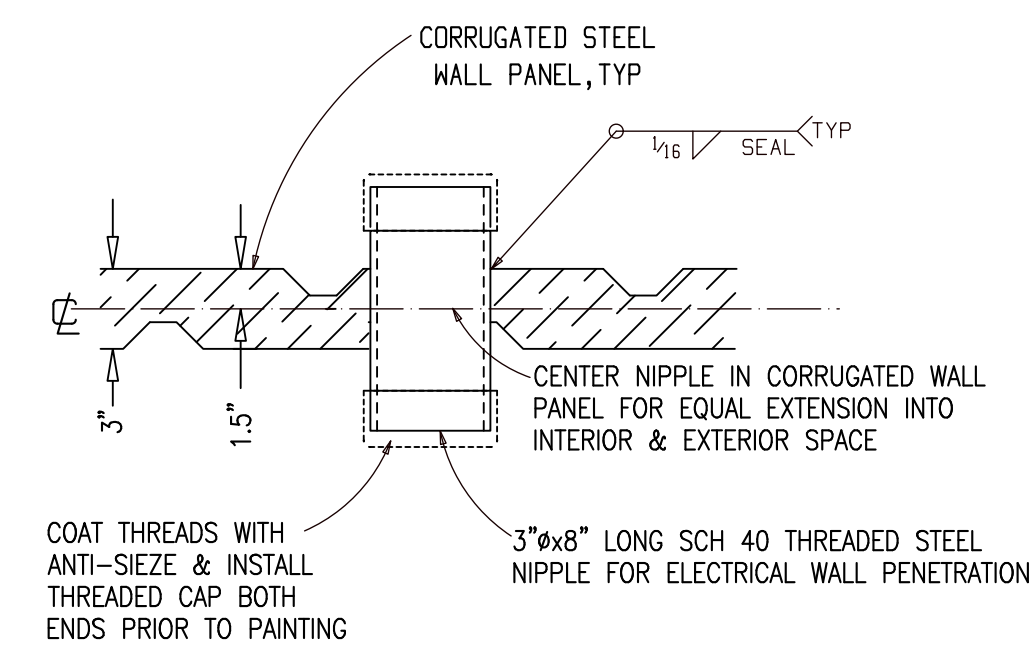
- 1) ALL LOCATIONS ARE CENTERLINE OF STRUT ABOVE FINISHED FLOOR (AFF).
- 2) ALL STRUT SHALL BE 12 GAUGE, 1-5/8" x 1-5/8", PLAIN (UN-FINISHED BLACK) WITH SOLID BACK, B-LINE B22-PLN OR EQUAL.
- 3) PRIOR TO PAINTING MODULE, WELD ALL HORIZONTAL STRUT SECTIONS TO WALLS AS SHOWN. SANDBLAST AND PAINT STRUT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



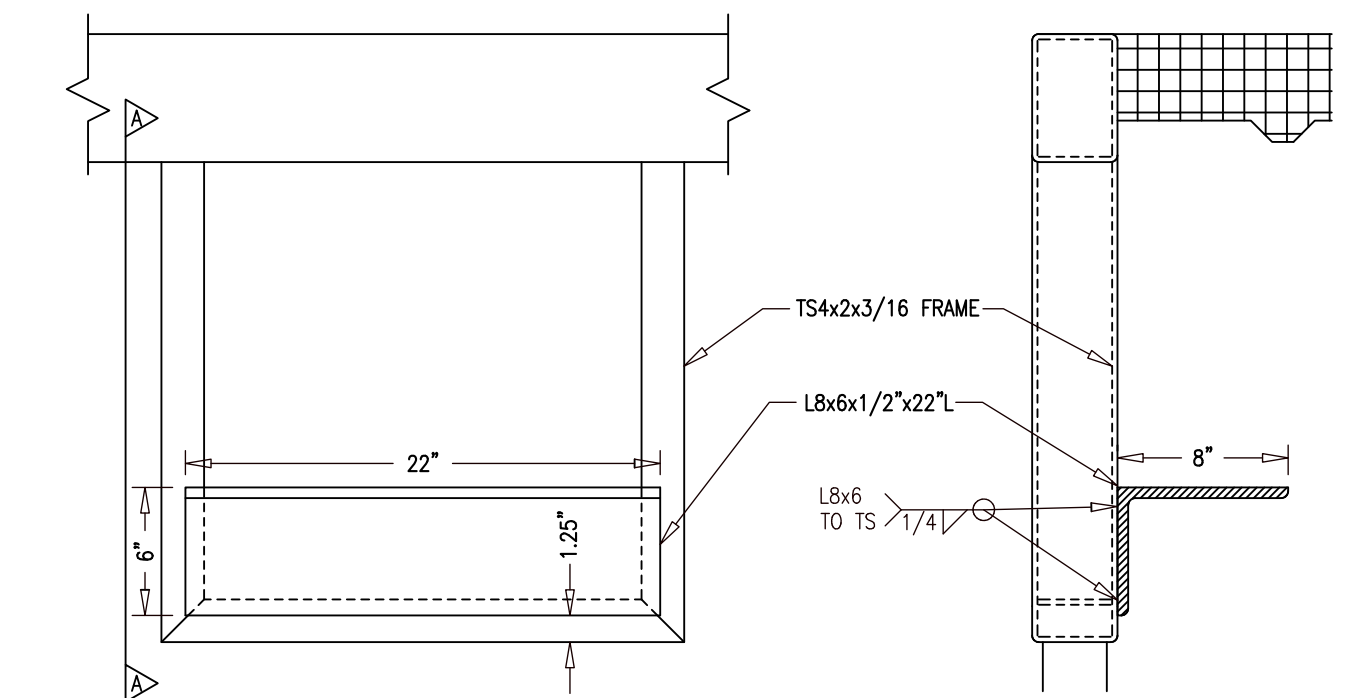
4 TYP. WALL PENETRATION PIPE SLEEVE  
AS101M (REFER: 5/M2.2)



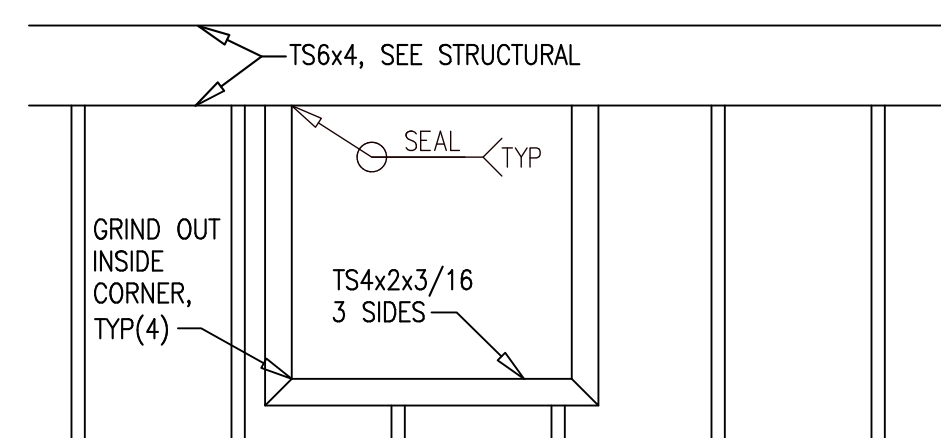
5 TYP. HEAT RECOVERY ARCTIC PIPE PENETRATION  
AS101M (REFER: 6/M2.2)



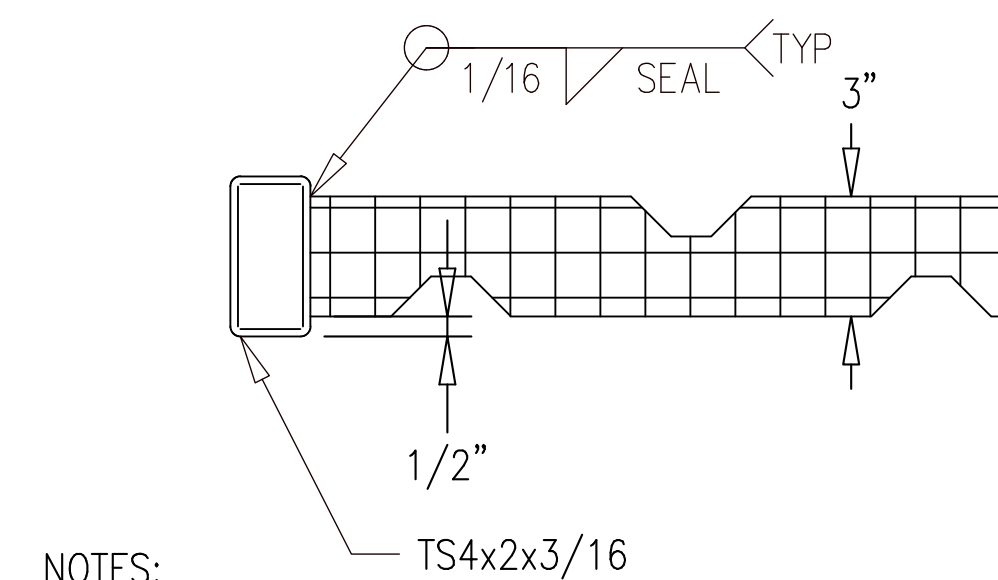
6 TYP. ELECTRIC POWER FEEDER CONDUCTOR WALL PENETRATION  
AS101M (REFER: 7/M2.2)



7 EXHAUST PIPE SUPPORT @ FRAME OPENING  
AS101M (REFER: 4/M2.2)



8 TYP. WALL OPENING SECTION  
AS101M (REFER: 2/M2.2)



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  
AS101M (REFER: 3/M2.2)

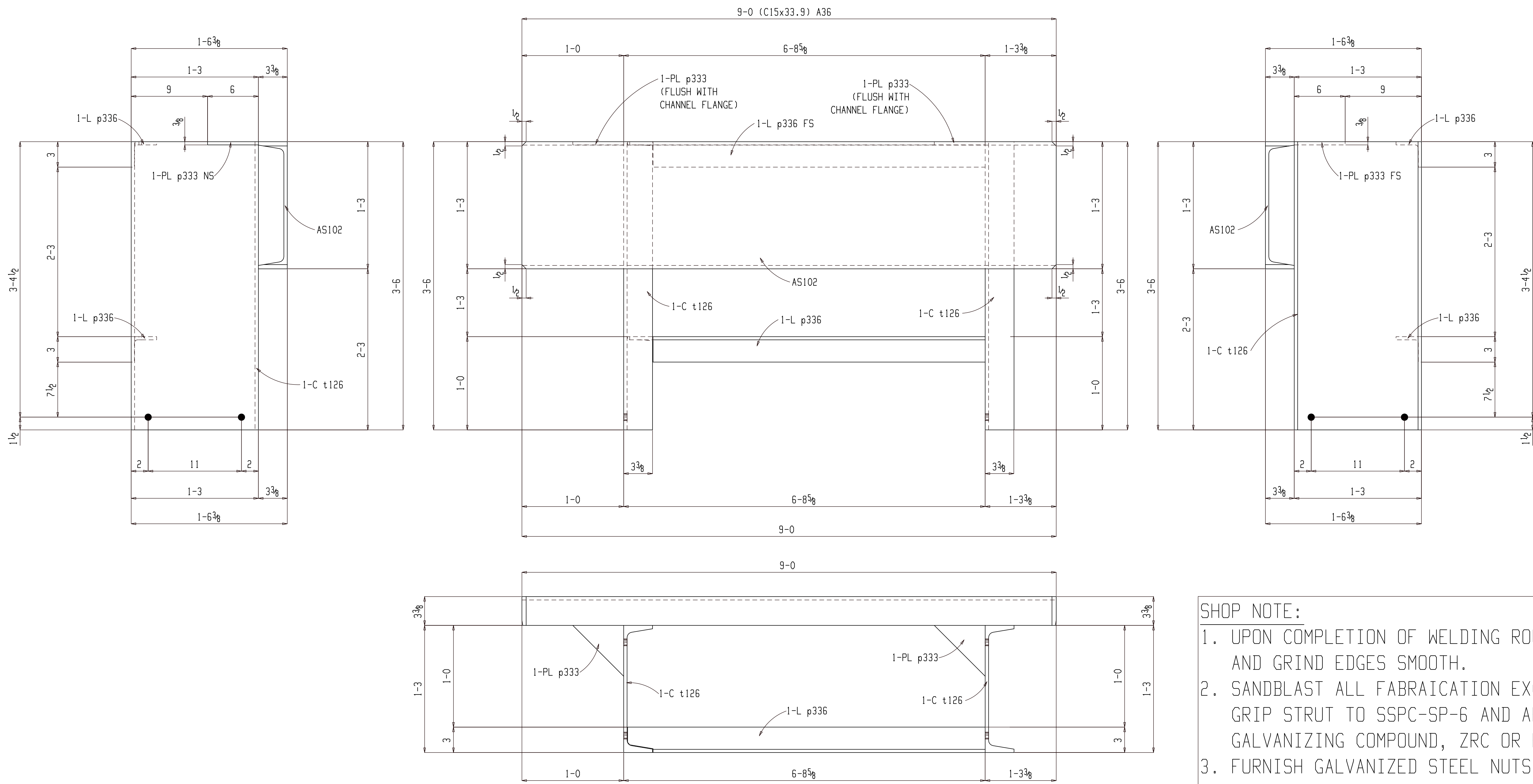
FOR FABRICATION

FIELD NOTES:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES UN.	PAINT UN.	WELDS:	CLEANING:
13/16Ø		E70XX	
JOB NAME: NAPASKIAK 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: 460	SHEET NO.: AS101M

WORK THIS SHEET WITH AS101A THRU AS101M



ONE ASSEMBLY AS102

(E REFER: E101)

GALVANIZED

**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.

**FOR FABRICATION**

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS102		ONE	ASSEMBLY		(GALV)		646
	AS102	1	C15x33.9	9-0		A36	305
	p333	2	PL 3/8x6	6		A36	8
	p336	2	L3x3x3/8	6-8 3/16		A36	96
	t126	2	C15x33.9	3-6		A36	237
			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:**

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

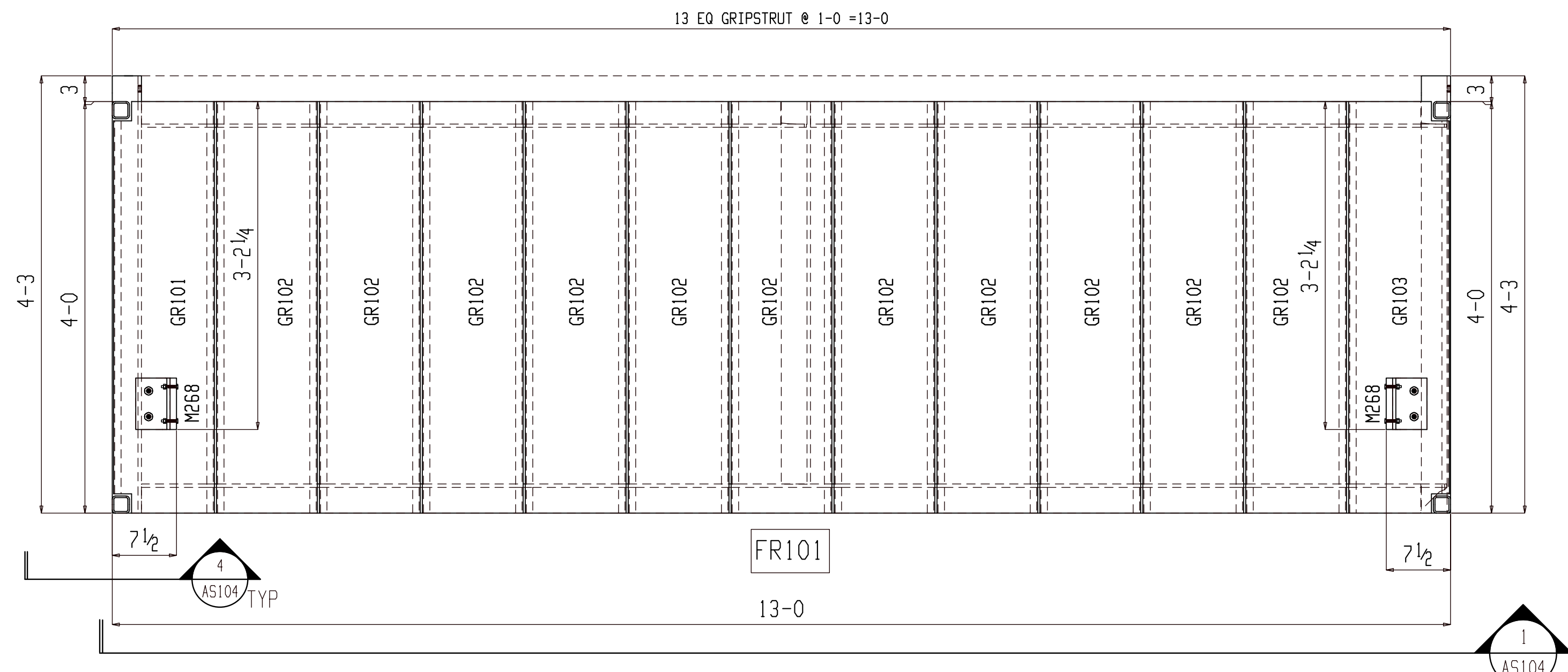
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING: SSPC-SP6

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN  
 LOCATION: ALASKA SCALE: N.A.  
 CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22  
 DESCRIPTION: ASSEMBLY DETAIL JOB NUMBER: 460 SHEET NO.: AS102 REV: △

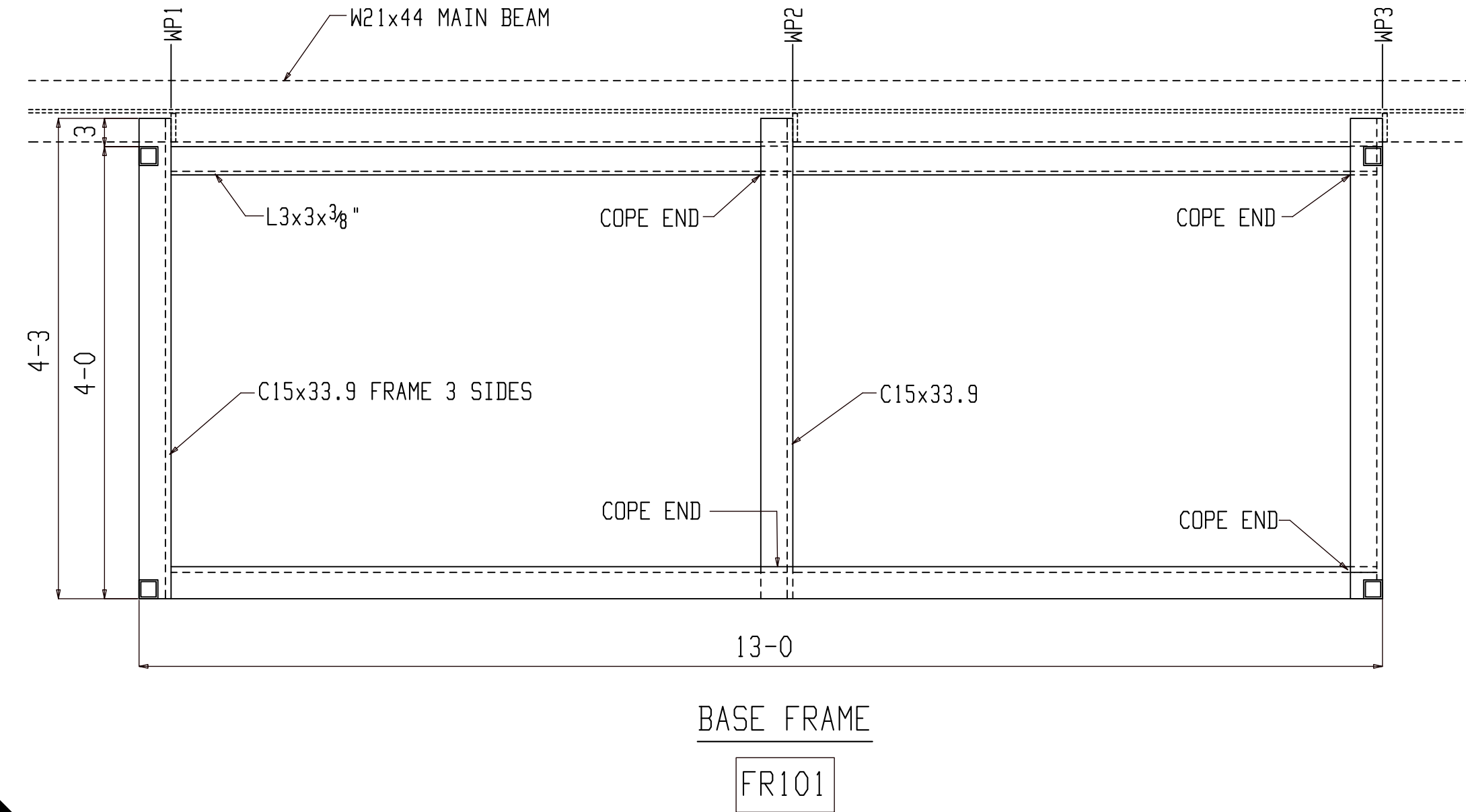




ONE ASSEMBLY AS104

(E REFER: E101)

GALVANIZED

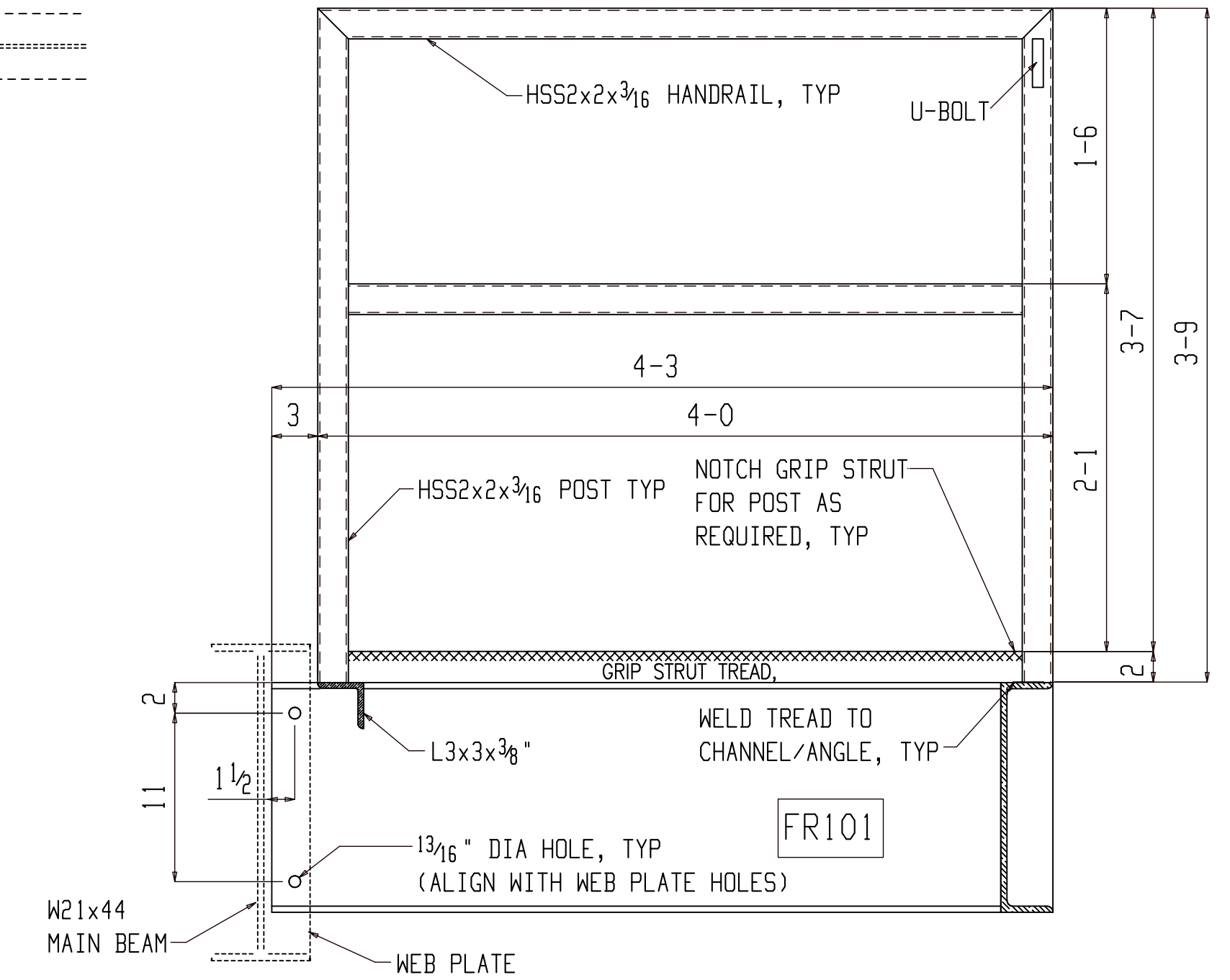


BASE FRAME

FR101

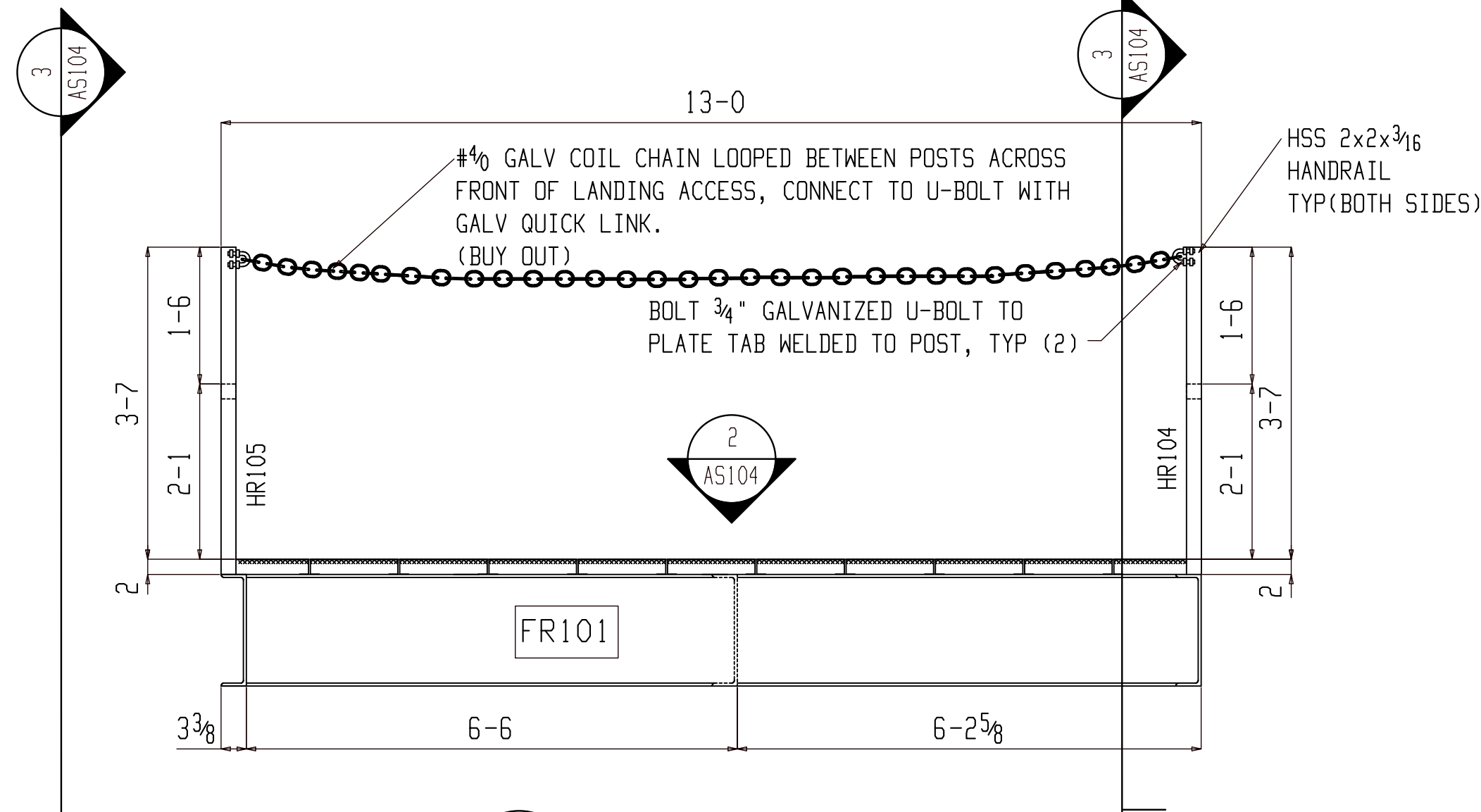
2 SECTION VIEW

(REFER: 2/S5.3)



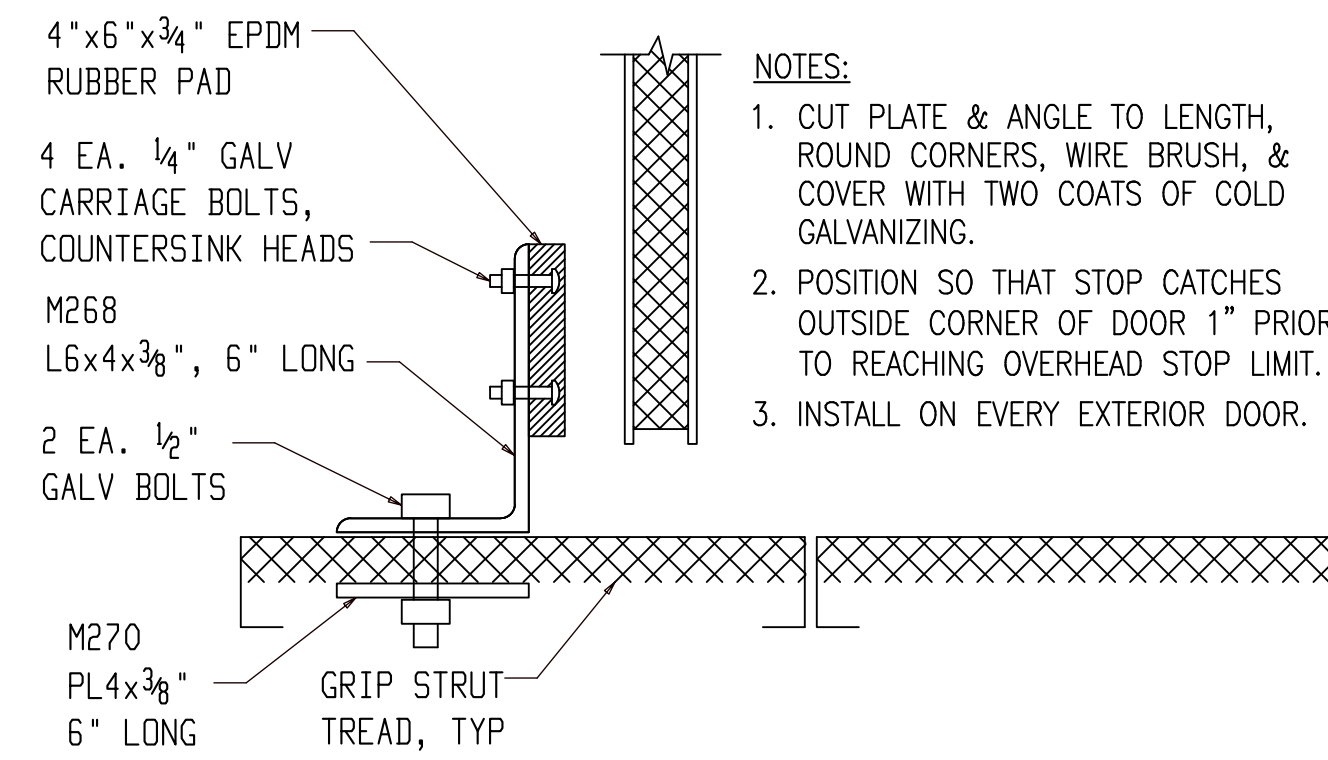
3 SECTION VIEW

(REFER: 3/S5.3)



1 SECTION VIEW

(REFER: 1/S5.3)



4 SECTION VIEW

(REFER: 8/A2)

- 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.

### BILL OF MATERIAL

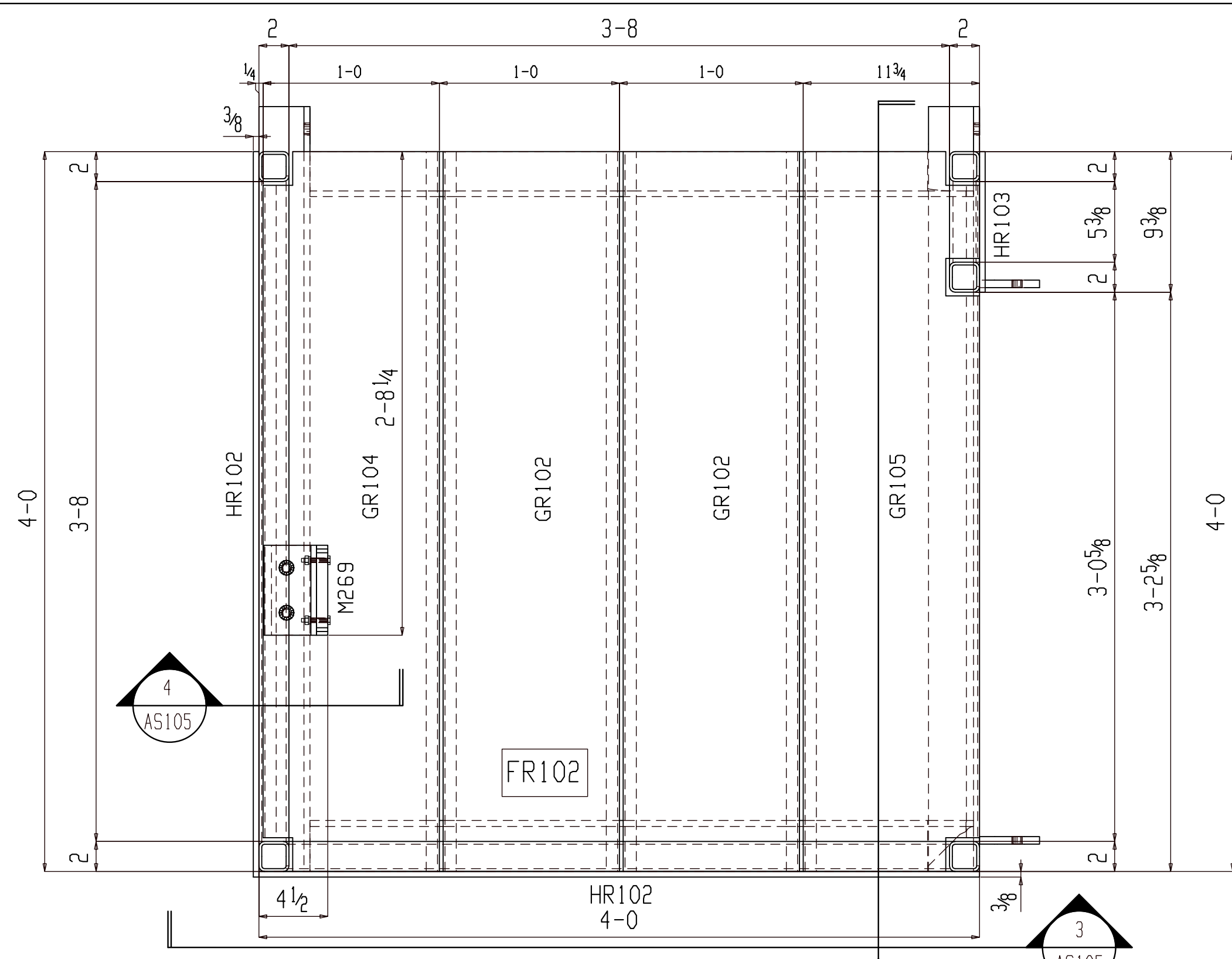
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS104		ONE	ASSEMBLY		(GALV)		
	FR101	1	FRAME				
	HR104	1	HANDRAIL				
	HR105	1	HANDRAIL				
	GR101	1	GRIPSTRUTS				
	GR102	11	GRIPSTRUTS				
	GR103	1	GRIPSTRUTS				
	M268	2	EXTERIOR DOOR				
			BOTTOM STOP				
	M270	2	MISC				
		1	GALV COIL CHAIN		(BUY OUT)		

### 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-GALV TREAD PRIOR TO WELDING TREADS TO STRUCTURE.

### FOR FABRICATION

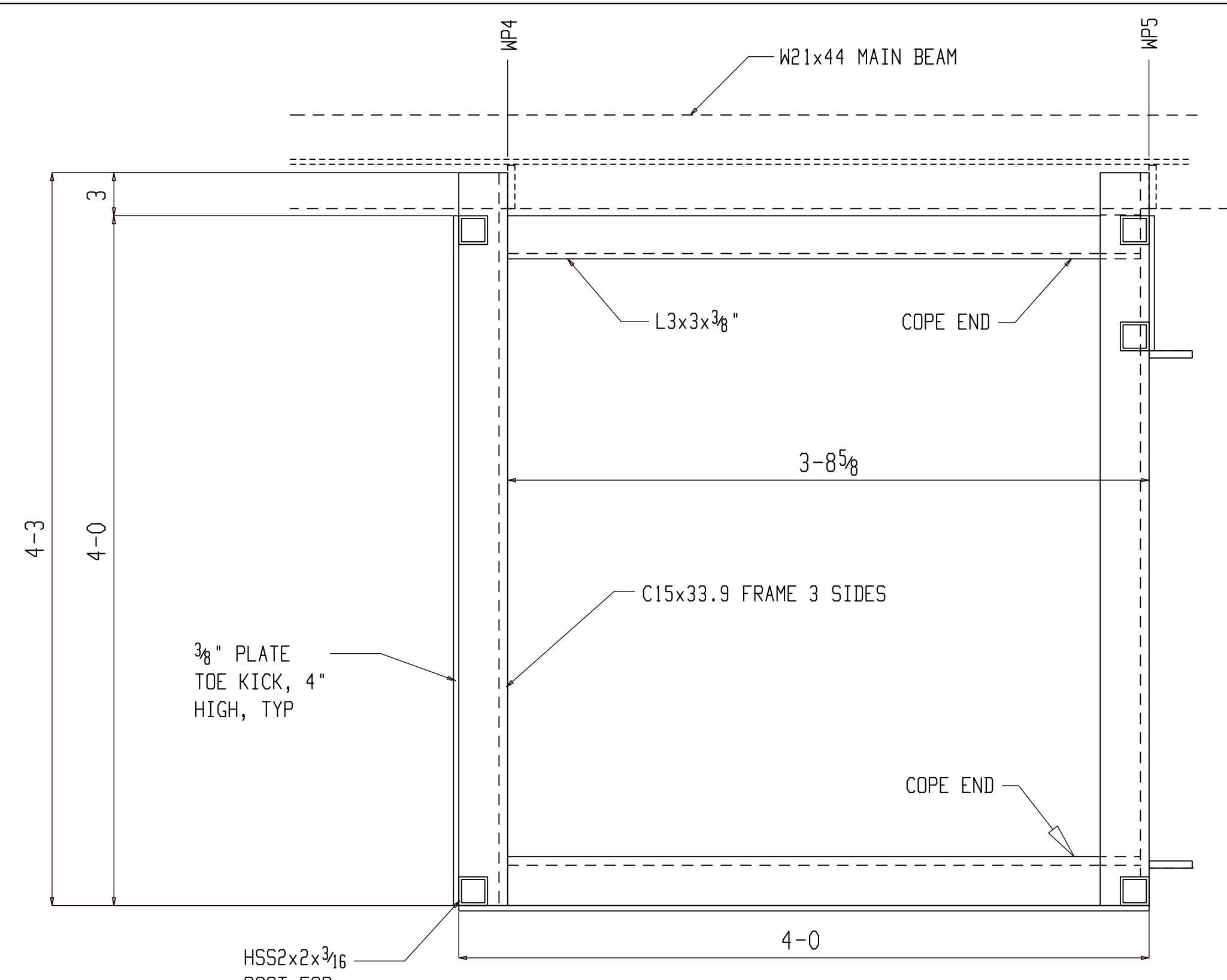
SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS104	DATE:	05-26-22
		JOB NUMBER:	460
		SHEET NO.:	AS104
		REV:	△



ONE ASSEMBLY AS105

(E REFER: E101)

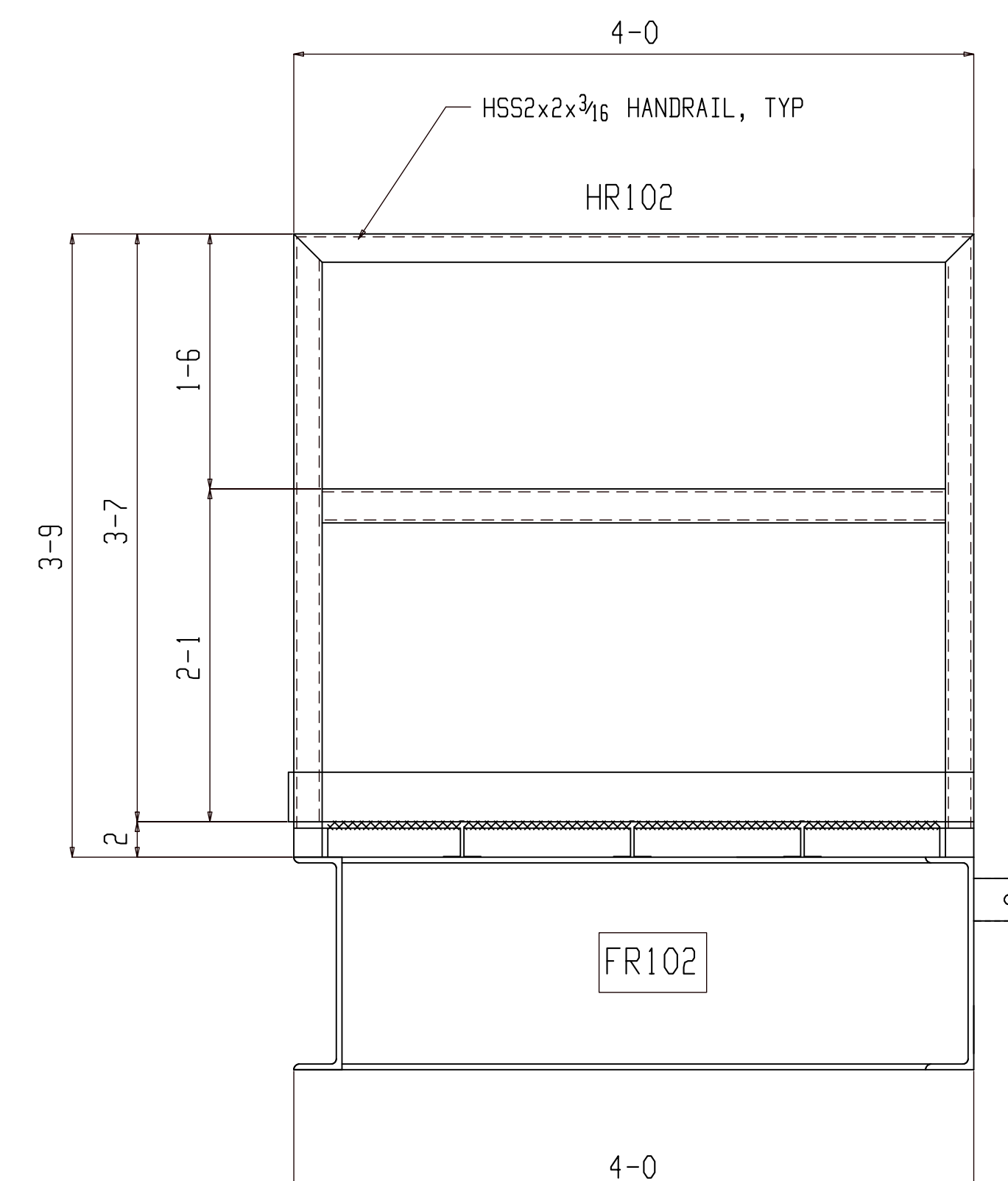
GALVANIZED



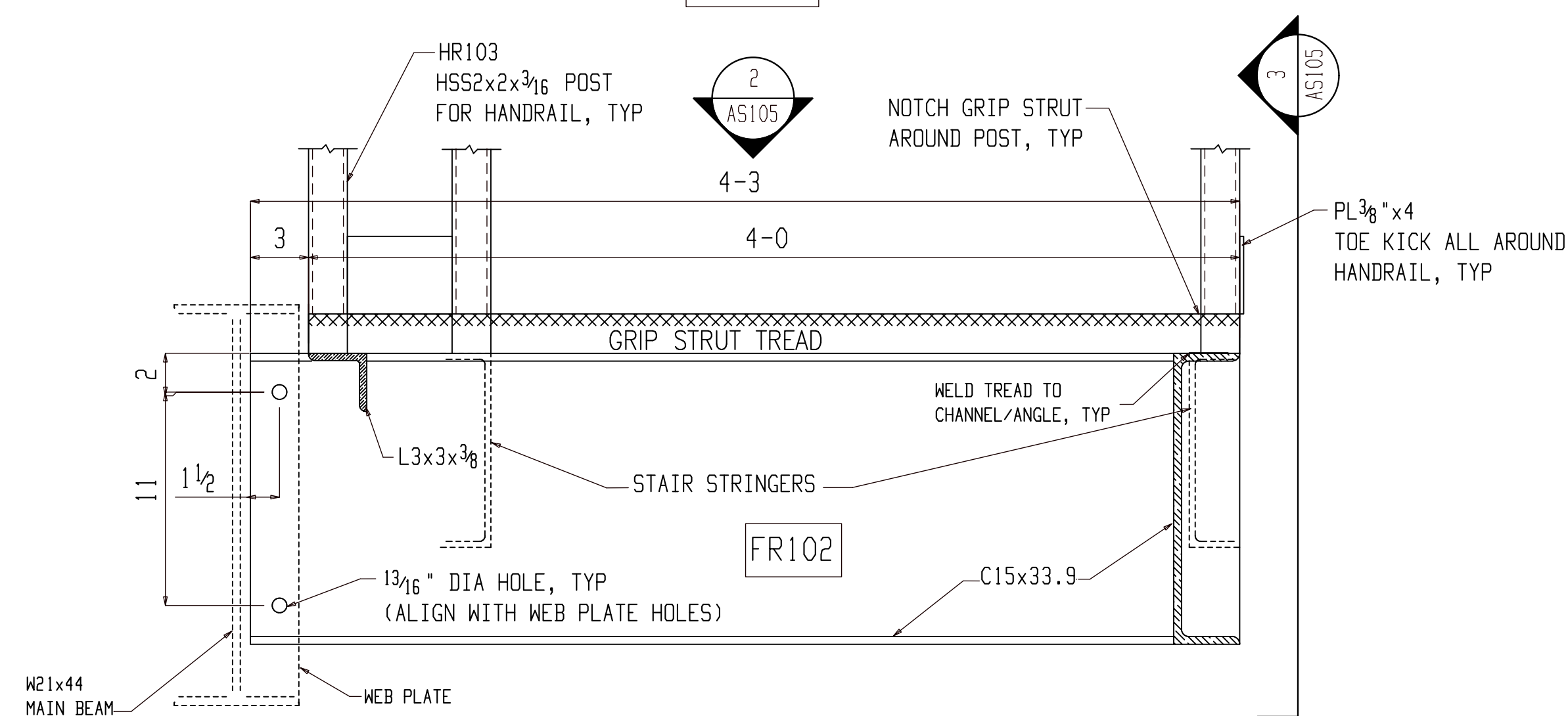
BASE FRAME

FR102

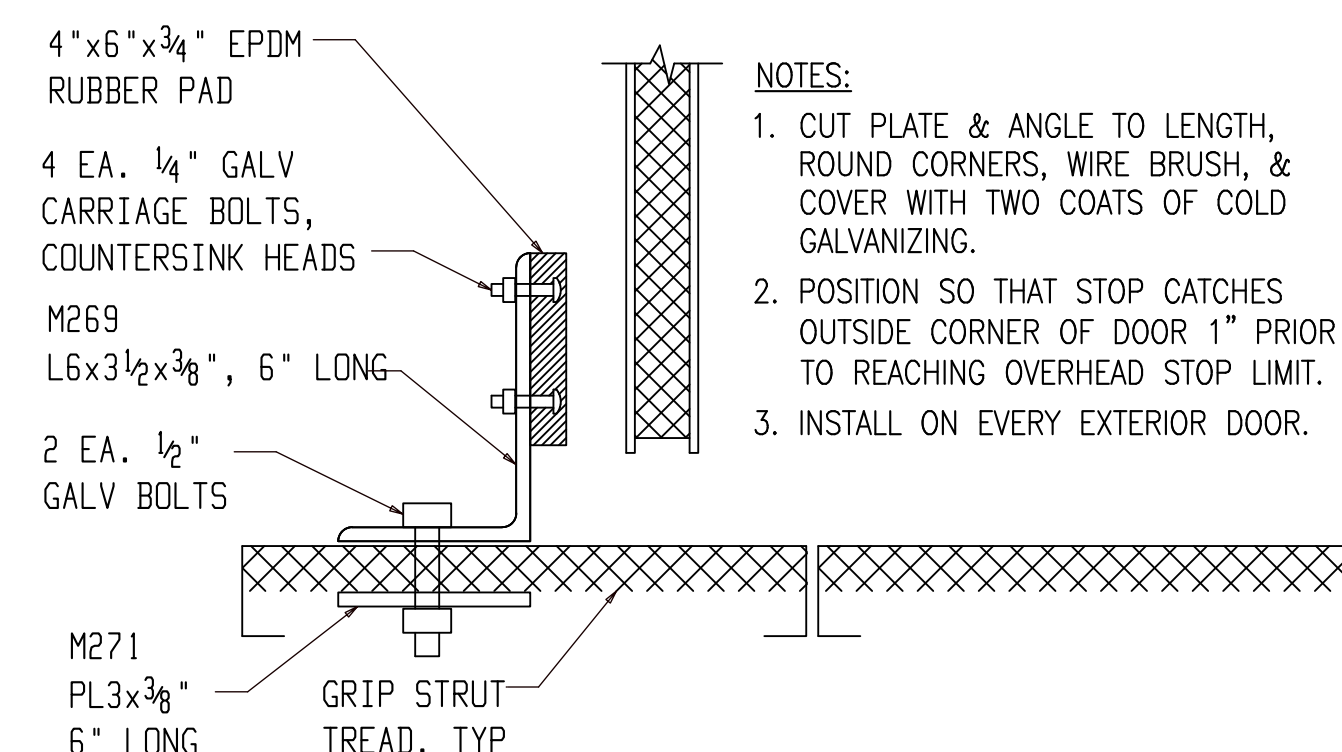
2 SECTION VIEW  
AS105 (REFER: 2/S5.2)



3 SECTION VIEW  
AS105 (REFER: 1/S5.2)



1 SECTION VIEW  
AS105 (REFER: 3/S5.2)



4 SECTION VIEW  
AS105 (REFER: 8/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.

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.

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS105		ONE	ASSEMBLY		(GALV)		
	FR102	1	FRAME				
	HR102	1	HANDRAIL				
	HR103	1	HANDRAIL				
	GR102	2	GRIPSTRUTS				
	GR104	1	GRIPSTRUTS				
	GR105	1	GRIPSTRUTS				
	M269	1	EXTERIOR DOOR				
			BOTTOM STOP				
	M271	1	MISC				

FOR FABRICATION

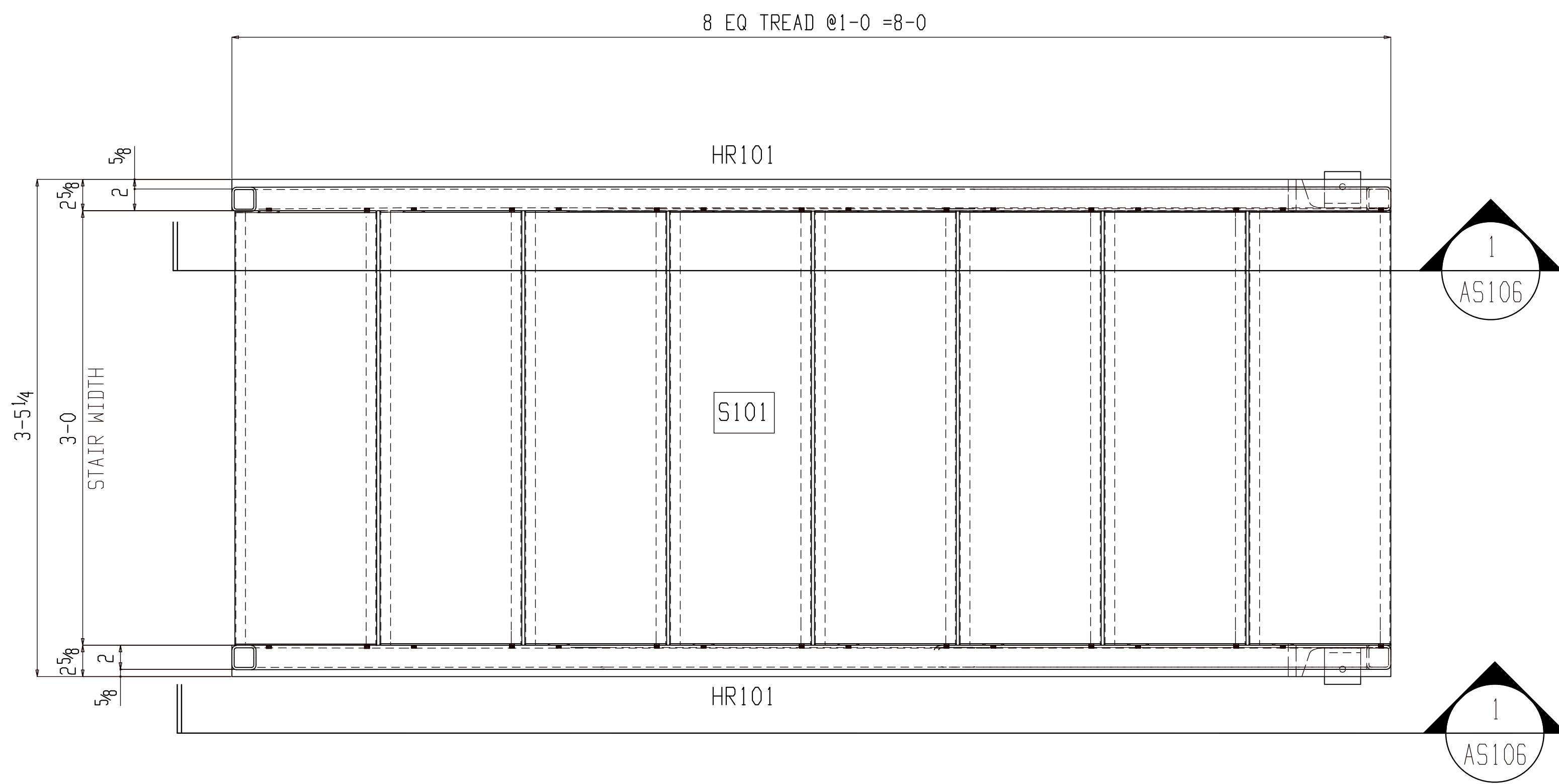
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

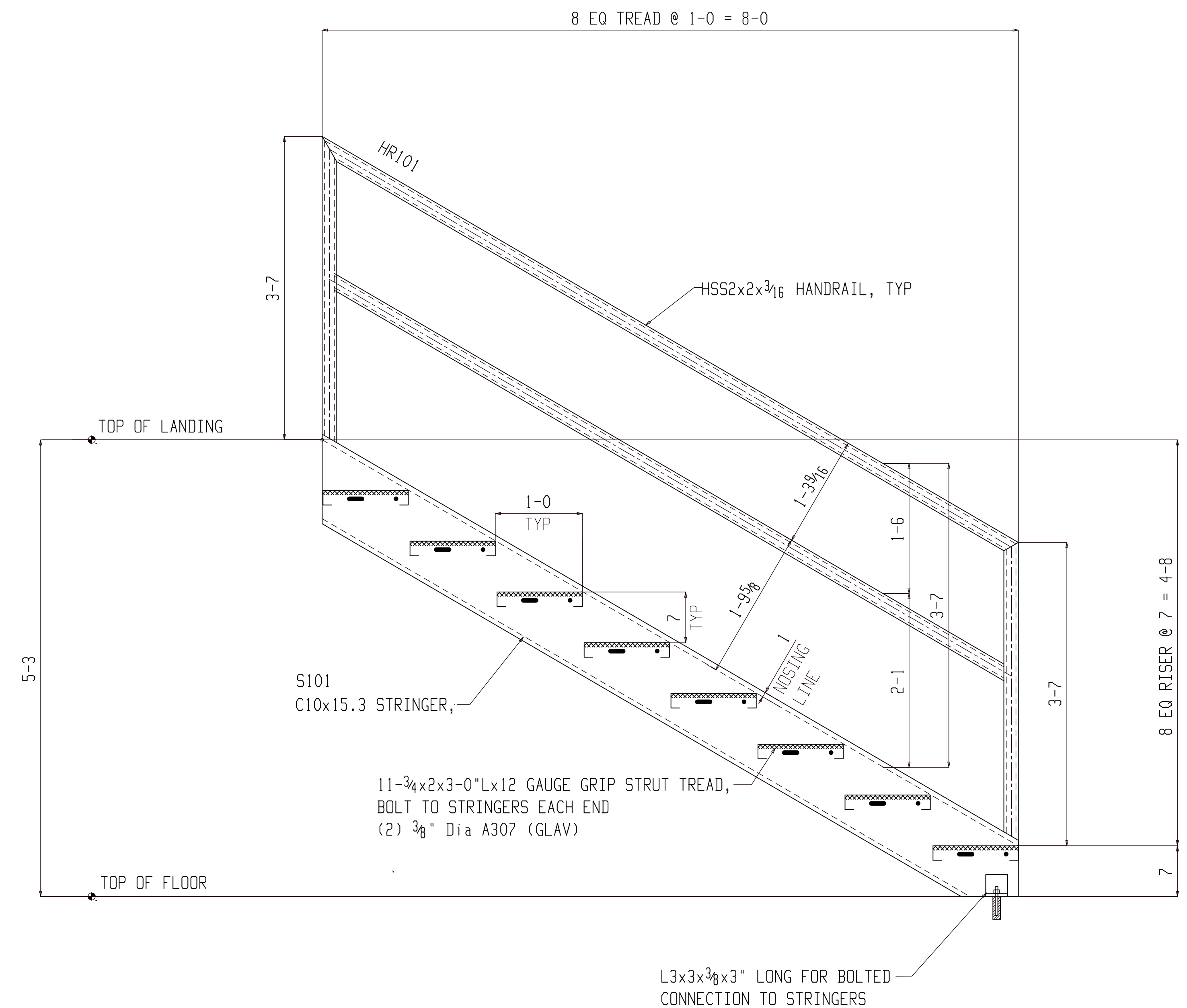
HOLES UN:	13/160	PAINT UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	ASSEMBLY AS105	JOB NUMBER:	460	SHEET NO.:	AS105	REV:	△



ONE ASSEMBLY AS106

(E REFER: E101)

GALVANIZED



1 SECTION VIEW  
AS106 (REFER: 1/S5.2)

### BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
AS106			ASSEMBLY		(GALV)		
	S101	1	STAIR				
	HR101	2	HANDRAIL				

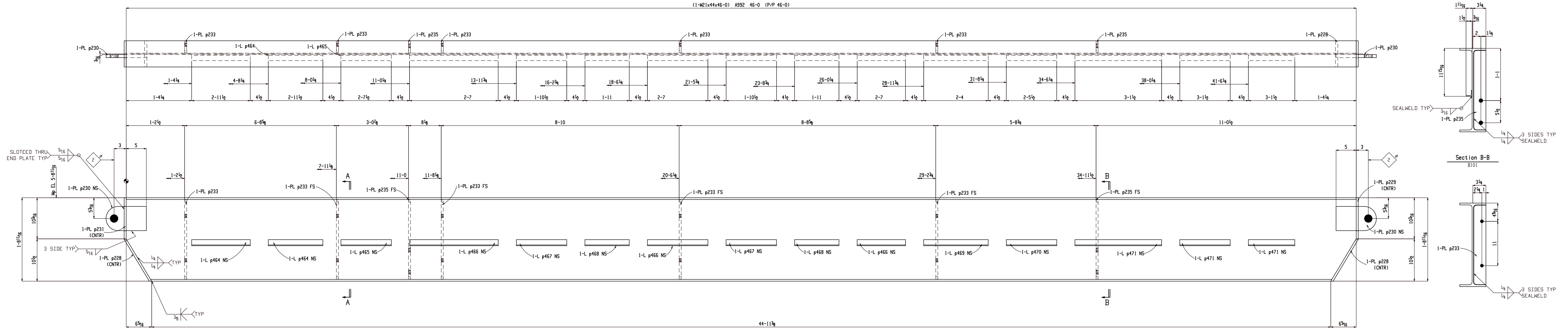
### SHOP NOTE:

- 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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
Holes U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	ASSEMBLY AS106	DATE:	05-26-22
		JOB NUMBER	460
		SHEET NO.	AS106
		REV	△

(11-N21x44x46-0) A992 46-0 (P/P 46-0)



ONE BEAM B101

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B101		ONE	BEAM				2218
	B101	1	W21x44	46-0		A992	2024
	p230	2	PL 3/4x6	10		A36	26
	p231	1	PL 1/2x6 1/2	10 5/16		A36	10
	p229	1	PL 1/2x6 1/2	10 5/16		A36	10
	p228	2	PL 1/2x6 1/2	1-0 3/8		A36	23
	p235	2	PL 1/2x3	1-7 11/16		A36	17
	p233	5	PL 1/2x3	1-7 11/16		A36	42

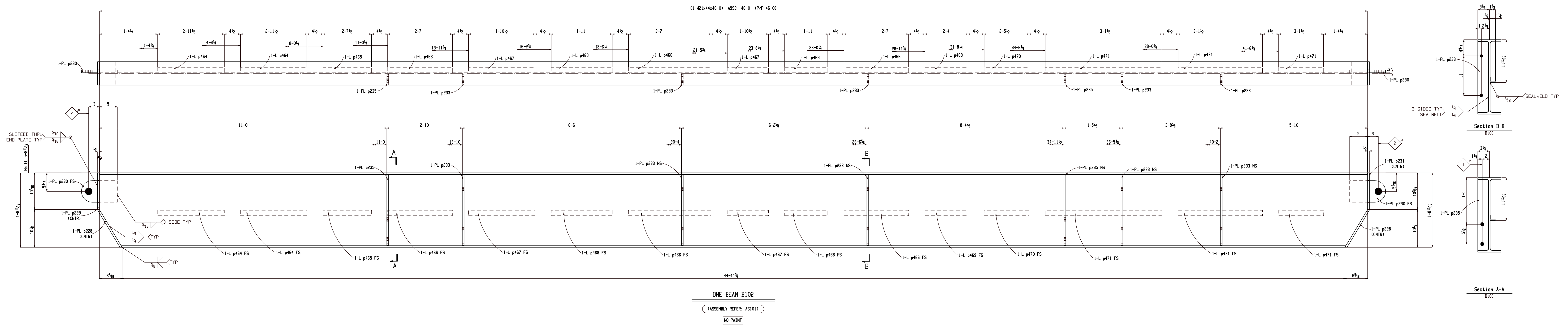
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p471	3	L 1 1/2 x 1 1/2 x 3/16	3-1 1/2		A36	17
	p470	1	L 1 1/2 x 1 1/2 x 3/16	2-5 1/2		A36	4
	p469	1	L 1 1/2 x 1 1/2 x 3/16	2-4		A36	4
	p468	2	L 1 1/2 x 1 1/2 x 3/16	1-11		A36	7
	p467	2	L 1 1/2 x 1 1/2 x 3/16	1-10 1/2		A36	7
	p466	3	L 1 1/2 x 1 1/2 x 3/16	2-7		A36	14
	p465	1	L 1 1/2 x 1 1/2 x 3/16	2-7 1/2		A36	5
	p464	2	L 1 1/2 x 1 1/2 x 3/16	2-11 1/2		A36	11

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460
		SHEET NO.:	B101
		REV:	△



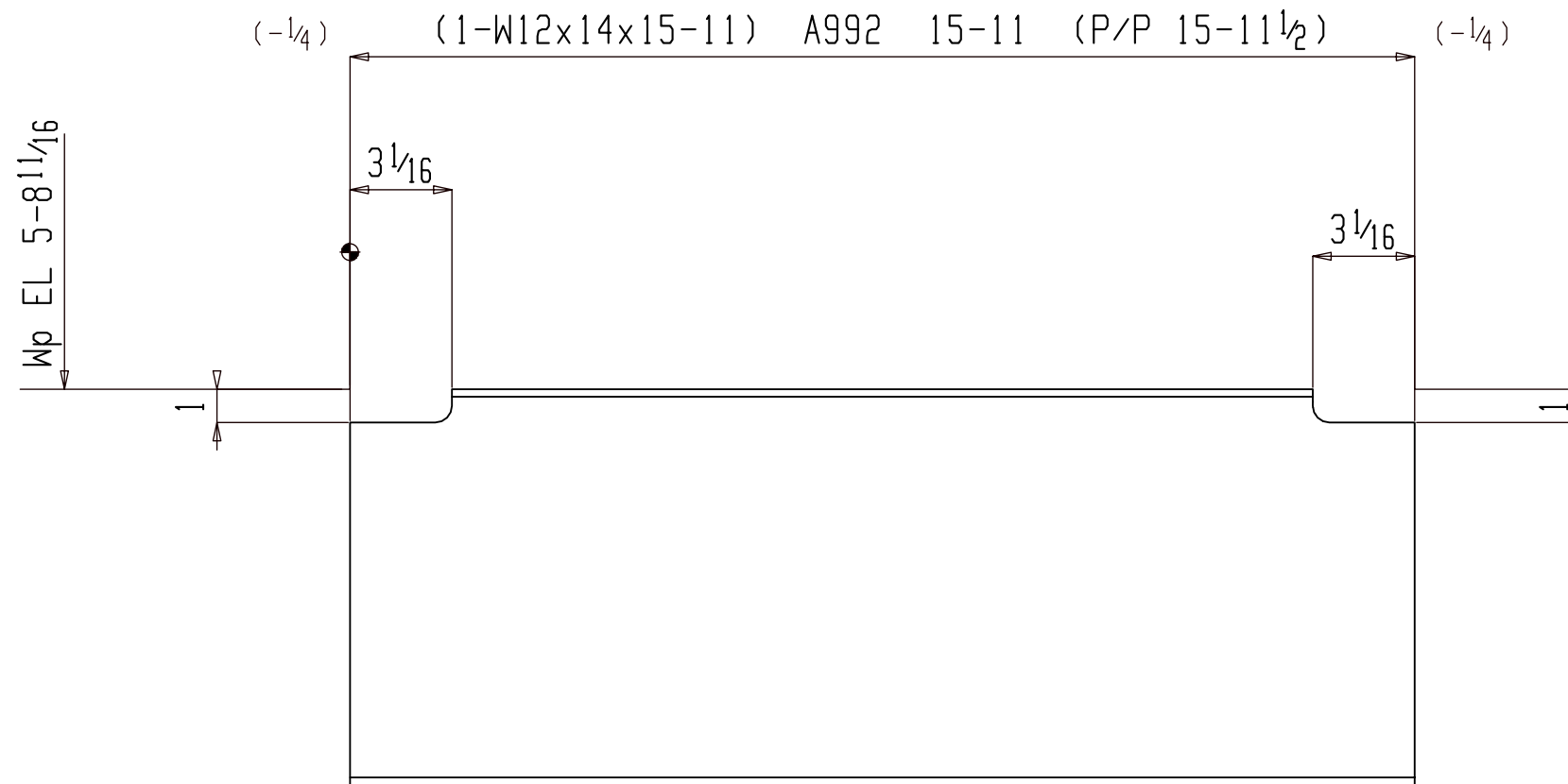


**FOR FABRICATION**

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B102		ONE	BEAM				2218
	B102	1	W21x44	46-0		A992	2024
	p230	2	PL 3/4x6	10		A36	26
	p231	1	PL 1/2x6 1/2	10 5/16		A36	10
	p229	1	PL 1/2x6 1/2	10 5/16		A36	10
	p228	2	PL 1/2x6 1/2	1-0 3/8		A36	23
	p235	2	PL 1/2x3	1-7 1/16		A36	17
	p233	5	PL 1/2x3	1-7 1/16		A36	42

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p471	3	L 1 1/2 x 1 1/2 x 3/16	3-1 1/2		A36	17
	p470	1	L 1 1/2 x 1 1/2 x 3/16	2-5 1/2		A36	4
	p469	1	L 1 1/2 x 1 1/2 x 3/16	2-4		A36	4
	p468	2	L 1 1/2 x 1 1/2 x 3/16	1-11		A36	7
	p467	2	L 1 1/2 x 1 1/2 x 3/16	1-10 1/2		A36	7
	p466	3	L 1 1/2 x 1 1/2 x 3/16	2-7		A36	14
	p465	1	L 1 1/2 x 1 1/2 x 3/16	2-7 1/2		A36	5
	p464	2	L 1 1/2 x 1 1/2 x 3/16	2-11 1/2		A36	11

SHOP NOTES:							
REF. DWG/SPEC:							
DEG REF. SPEC. / DWG:							
△	For Fabrication	ALN	07-21-22				
△	For Re-Approval	ALN	07-13-22				
△	For Approval	ALN	07-06-22				
REV.	DESCRIPTION	BY	DATE				
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	B102	REV:	△



16 BEAMS B103

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

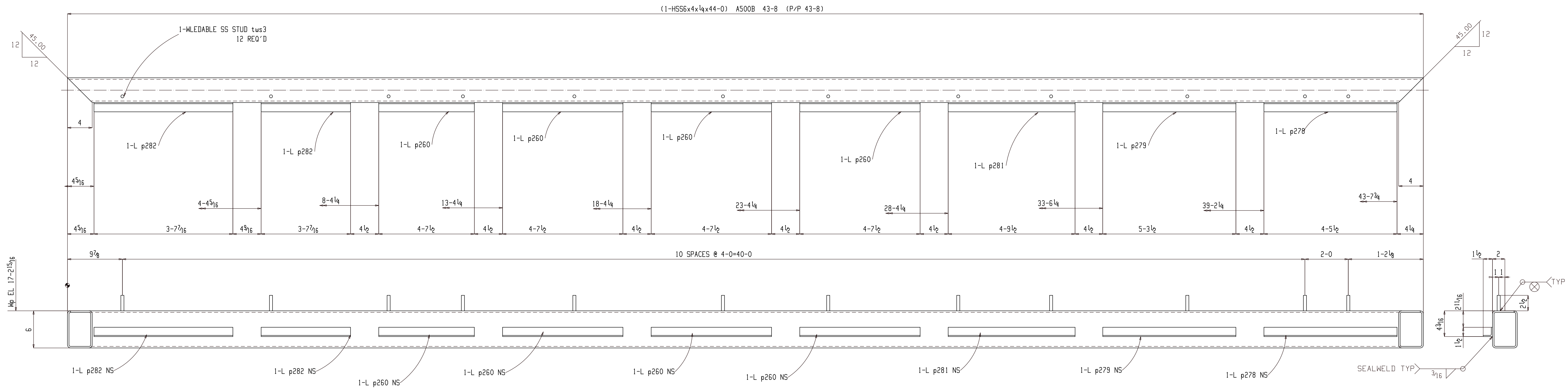
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B103		16	BEAM				3565
	B103	16	W12x14	15-11		A992	3565

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:	NAPASKIAK 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	460	SHEET NO.	B103	REV	△



ONE BEAM B104  
 (ASSEMBLY REFER: AS101)  
 NO PAINT

**FOR FABRICATION**

**BILL OF MATERIAL**

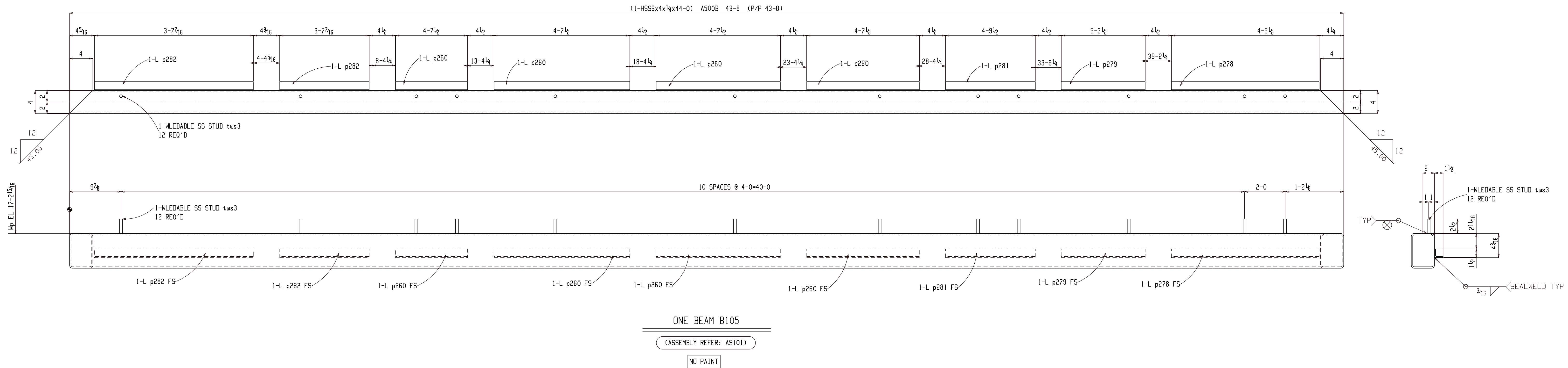
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B104		ONE	BEAM				761
	B104	1	HSS6x4x1/4	44-0		A500B	687
	p282	2	L1 1/2x1 1/2x3/16	3-7 7/16		A36	13
	p281	1	L1 1/2x1 1/2x3/16	4-9 1/2		A36	9
	p279	1	L1 1/2x1 1/2x3/16	5-3 1/2		A36	10
	p278	1	L1 1/2x1 1/2x3/16	4-5 1/2		A36	8
	p260	4	L1 1/2x1 1/2x3/16	4-7 7/16		A36	33
	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
					W/ HEX NUT AND WASHER	STUD)	

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN.	13/16Ø	PAINT UN.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	B104
		REV	△

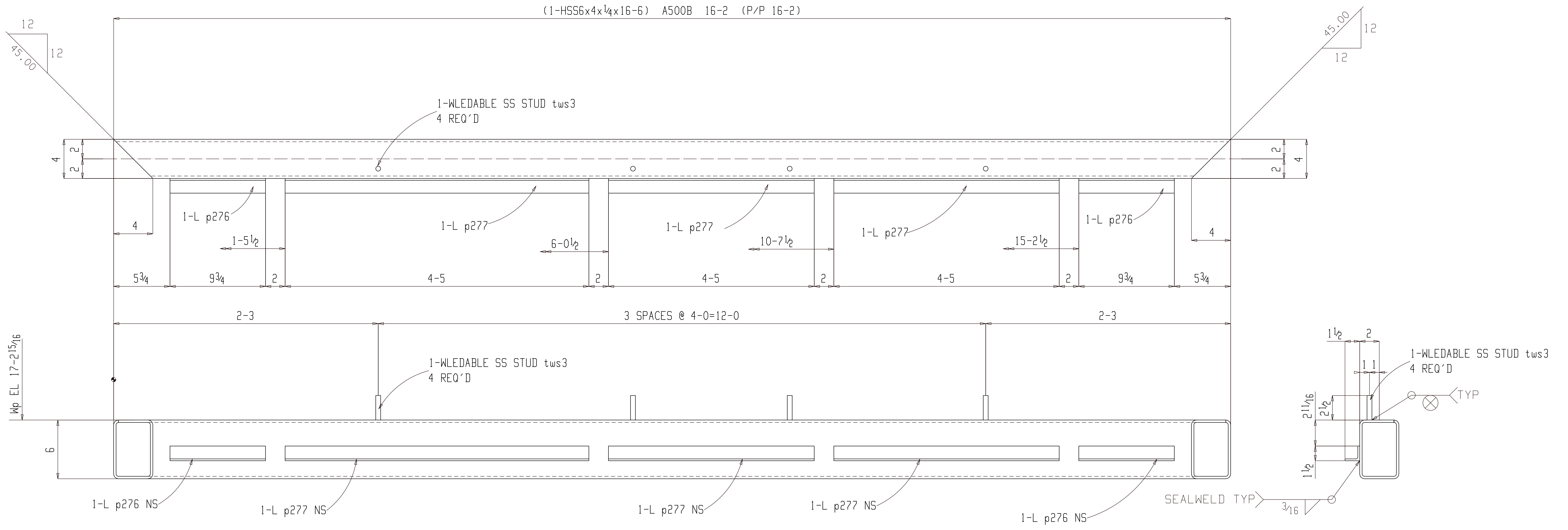


**FOR FABRICATION**

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B105		ONE	BEAM				761
	B105	1	HSS6x4x1/4	44-0		A500B	687
	p282	2	L 1 1/2 x 1 1/2 x 3/16	3-7 7/16		A36	13
	p281	1	L 1 1/2 x 1 1/2 x 3/16	4-9 1/2		A36	9
	p279	1	L 1 1/2 x 1 1/2 x 3/16	5-3 1/2		A36	10
	p278	1	L 1 1/2 x 1 1/2 x 3/16	4-5 1/2		A36	8
	p260	4	L 1 1/2 x 1 1/2 x 3/16	4-7 7/16		A36	33
	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
					W/ HEX NUT AND WASHER	STUD)	

SHOP NOTES:							
REF. DWG/SPEC:							
DEG REF. SPEC. / DWG:							
△	For Fabrication	ALN	07-21-22				
△	For Re-Approval	ALN	07-13-22				
△	For Approval	ALN	07-06-22				
REV.	DESCRIPTION	BY	DATE				
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	B105	REV:	△



(1-HSS6x4x1/4x16-6) A500B 16-2 (P/P 16-2)

1-WLEDABLE SS STUD tws3  
4 REQ'D

1-L p276

1-L p277

1-L p277

1-L p277

1-L p276

1-WLEDABLE SS STUD tws3  
4 REQ'D

1-L p276 NS

1-L p277 NS

1-L p277 NS

1-L p277 NS

1-L p276 NS

SEALWELD TYP

1-WLEDABLE SS STUD tws3  
4 REQ'D

TYP

**ONE BEAM B106**

(ASSEMBLY REFER: AS101)

NO PAINT

**FOR FABRICATION**

**BILL OF MATERIAL**

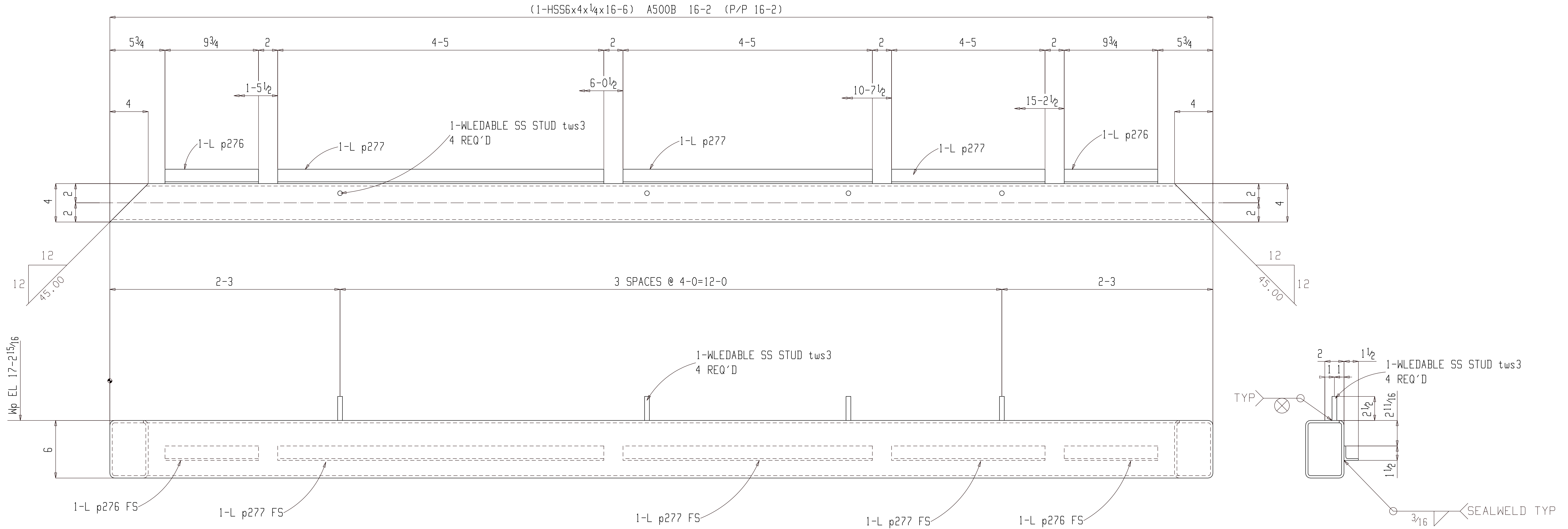
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B106		ONE	BEAM				285
	B106	1	HSS6x4x1/4	16-6		A500B	258
	p277	3	L1 1/2x1 1/2x3/16	4-5		A36	24
	p276	2	L1 1/2x1 1/2x3/16	9 3/4		A36	3
	tws3	4	TWS1/2	2 1/2	WELDABLE SS W/ HEX NUT AND WASHER	(NELSON STUD)	1

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460
		SHEET NO.:	B106
		REV:	△



ONE BEAM B107

(ASSEMBLY REFER: AS101)

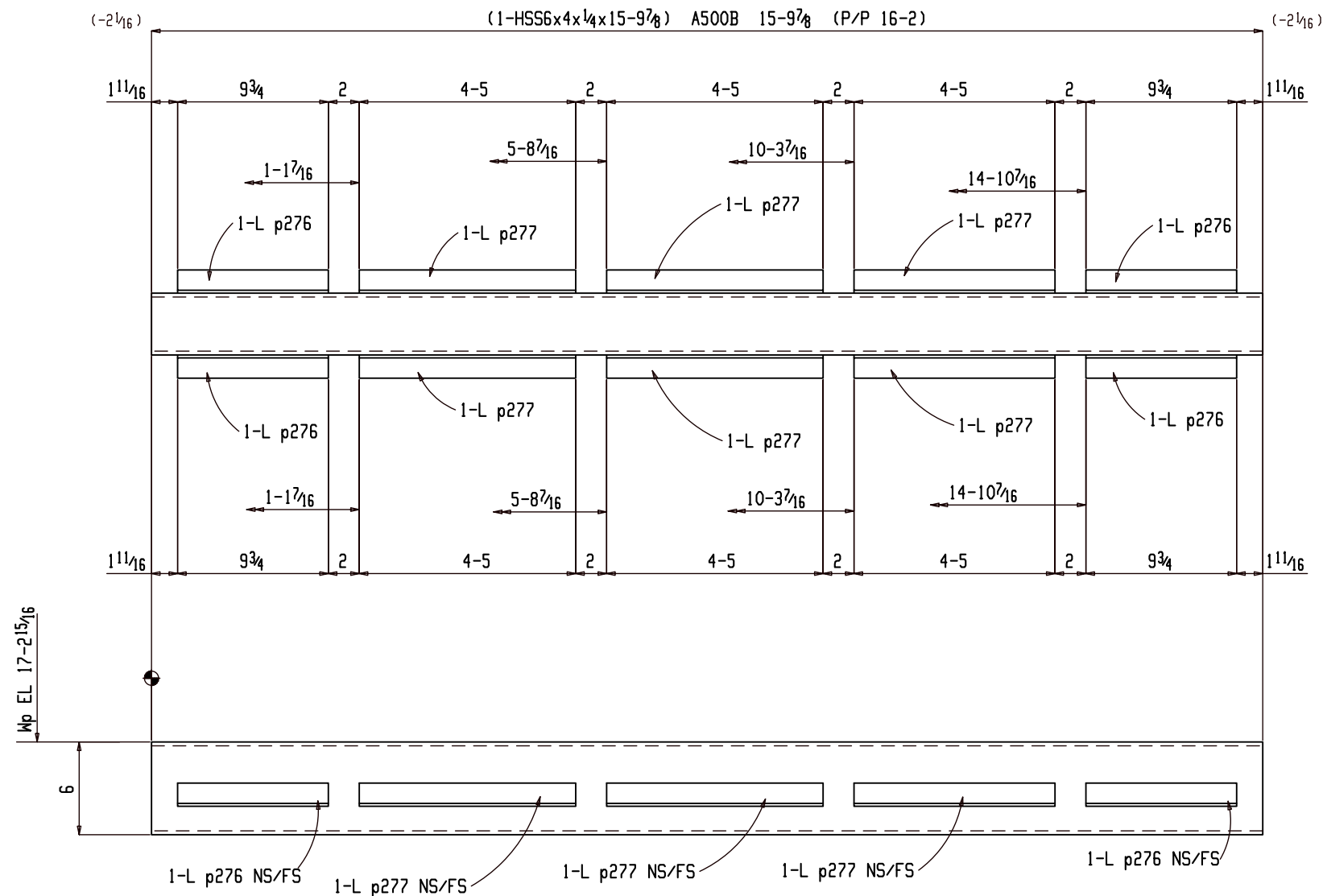
NO PAINT

FOR FABRICATION

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B107		ONE	BEAM				285
	B107	1	HSS6x4x1/4	16-6		A500B	258
	p277	3	L1 1/2x1 1/2x3/16	4-5		A36	24
	p276	2	L1 1/2x1 1/2x3/16	9 3/4		A36	3
	tws3	4	TWS 1/2	2 1/2	WELDABLE SS W/ HEX NUT AND WASHER	(NELSON STUD)	1

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

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	B107
REV.			



ONE BEAM B108

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

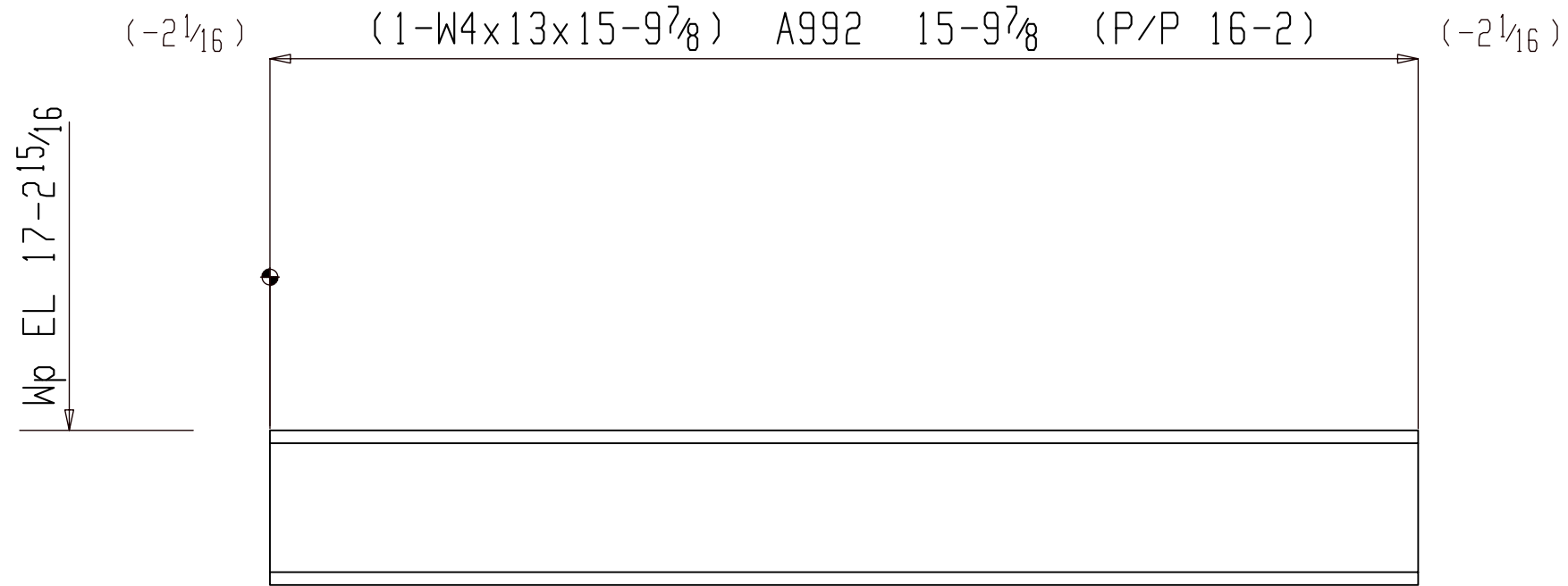
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B108		ONE	BEAM				301
	B108	1	HSS6x4x1/4	15-9 7/8		A500B	247
	p277	6	L1 1/2x1 1/2x3/16	4-5		A36	48
	p276	4	L1 1/2x1 1/2x3/16	9 3/4		A36	6

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. B108
		REV	△



7 BEAMS B109

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

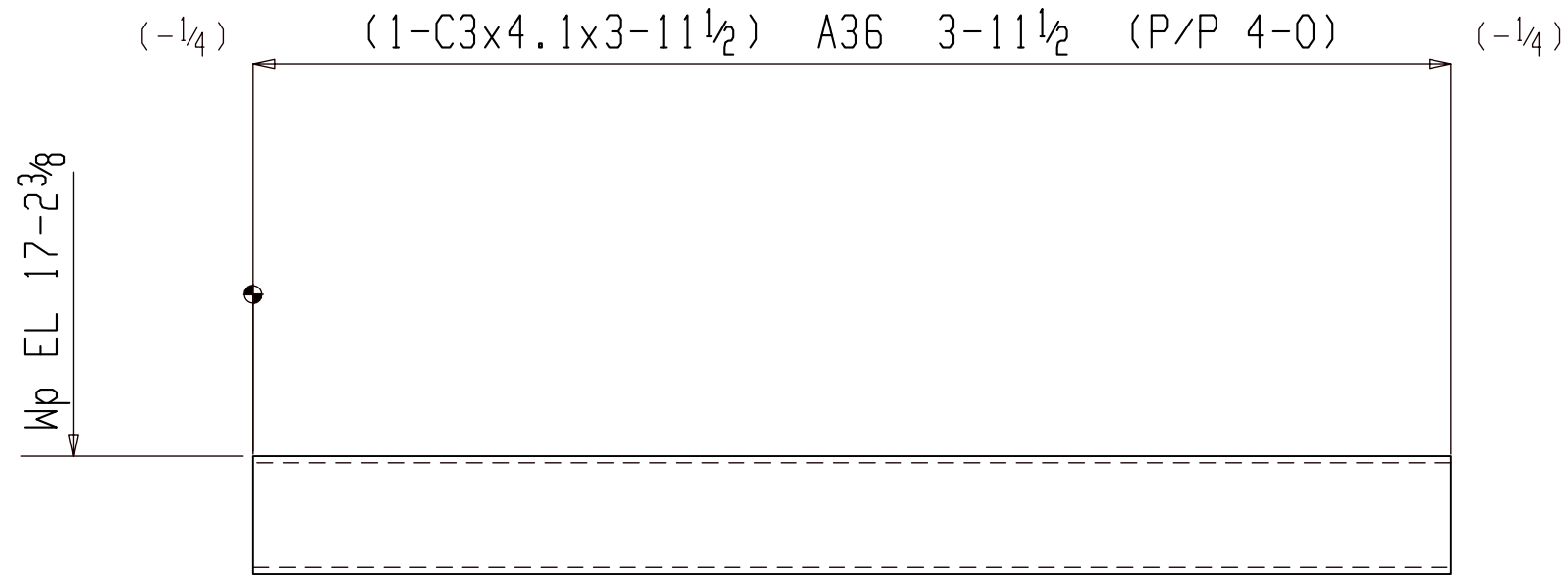
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B109		7	BEAM				1440
	B109	7	W4x13	15-9 7/8		A992	1440

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. B109
			REV △





ONE BEAM B110

(ASSEMBLY REFER: AS101)

SHOP NOTE:  
TOE DIRECTION FAR SIDE

NO PAINT

FOR FABRICATION

SHOP NOTES:

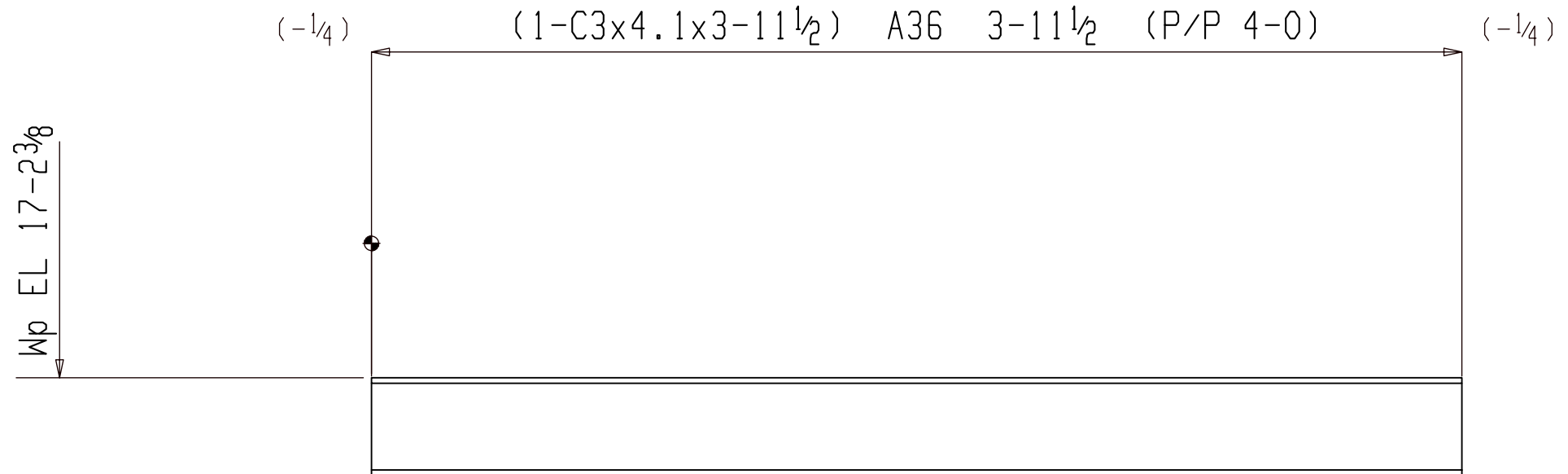
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B110		ONE	BEAM				16
	B110	1	C3x4.1	3-11 1/2		A36	16

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. B110
			REV △



ONE BEAM B111

(ASSEMBLY REFER: AS101)

SHOP NOTE:  
TOE DIRECTION NEAR SIDE

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

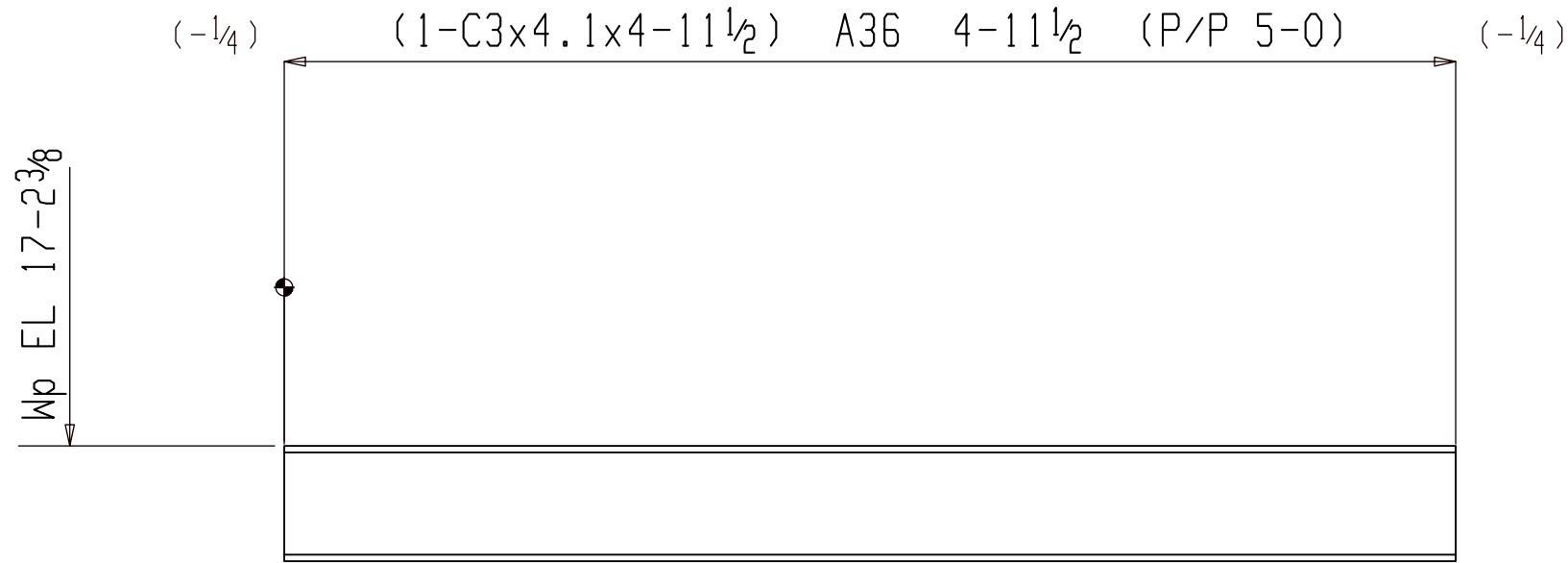
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B111		ONE	BEAM				16
	B111	1	C3x4.1	3-11 1/2		A36	16

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	B111	REV	△



3 BEAMS B112

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:  
TOE DIRECTION NEAR SIDE

FOR FABRICATION

SHOP NOTES:

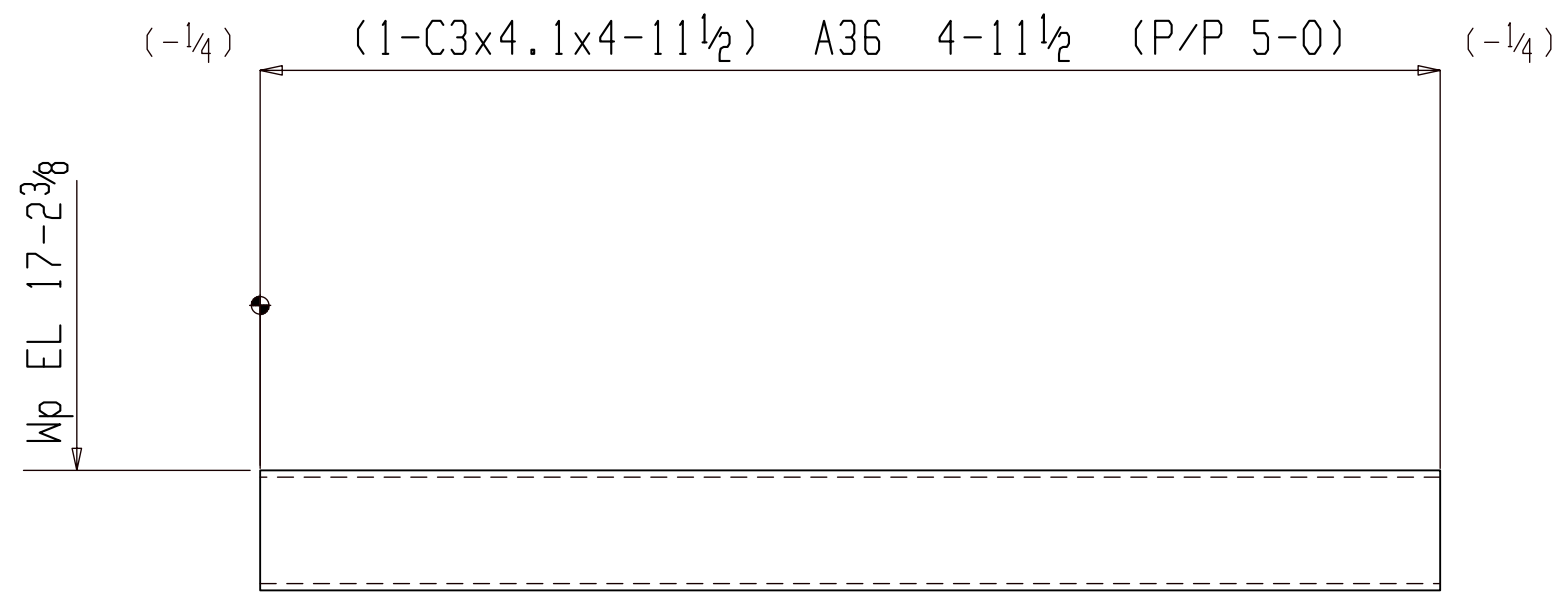
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B112		3	BEAM				61
	B112	3	C3x4.1	4-11 1/2		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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. B112
			REV △



3 BEAMS B113

(ASSEMBLY REFER: AS101)

NO PAINT

SHOP NOTE:  
TOE DIRECTION FAR SIDE

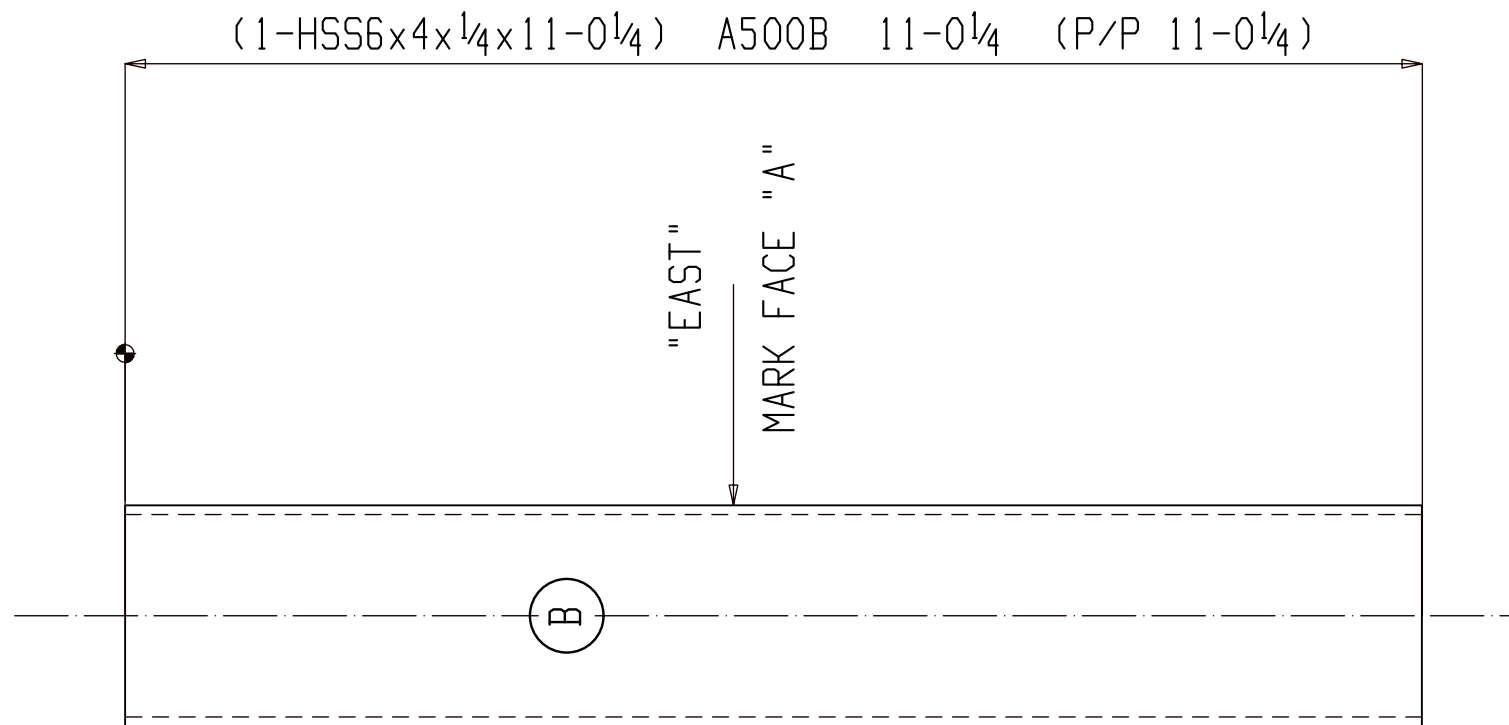
FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL							
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
B113		3	BEAM				61
	B113	3	C3x4.1	4-11 1/2		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	07-21-22
△	For Re-Approval			ALN	07-13-22
△	For Approval			ALN	07-06-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:			NAPASKIAK 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		460	SHEET NO.	B113	REV
					△



ONE COLUMN C101

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

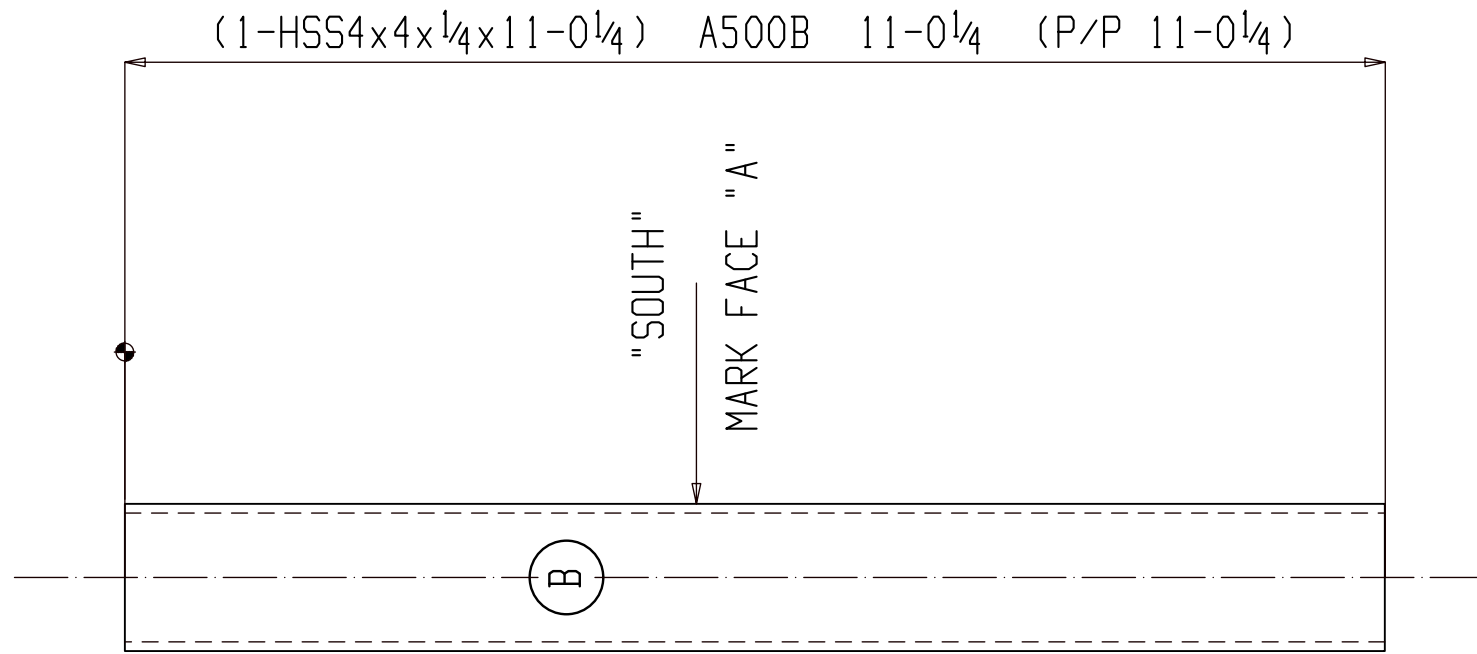
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
C101		ONE	COLUMN				172
	C101	1	HSS6x4x $\frac{1}{4}$	11-0 $\frac{1}{4}$		A500B	172

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. C101
			REV △



5 COLUMNS C102

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

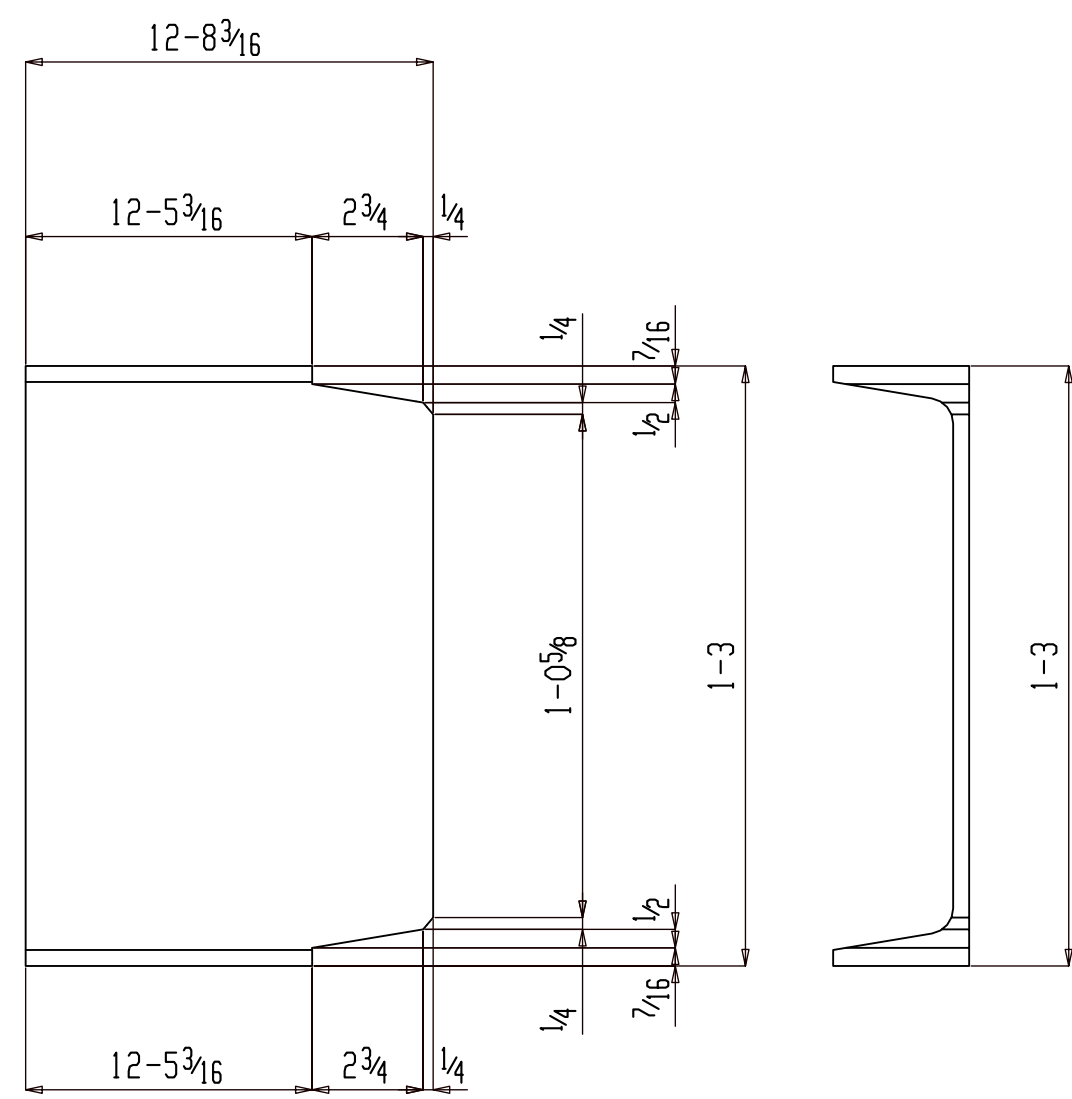
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
C102		5	COLUMN				673
	C102	5	HSS4x4x 1/4	11-0 1/4		A500B	673

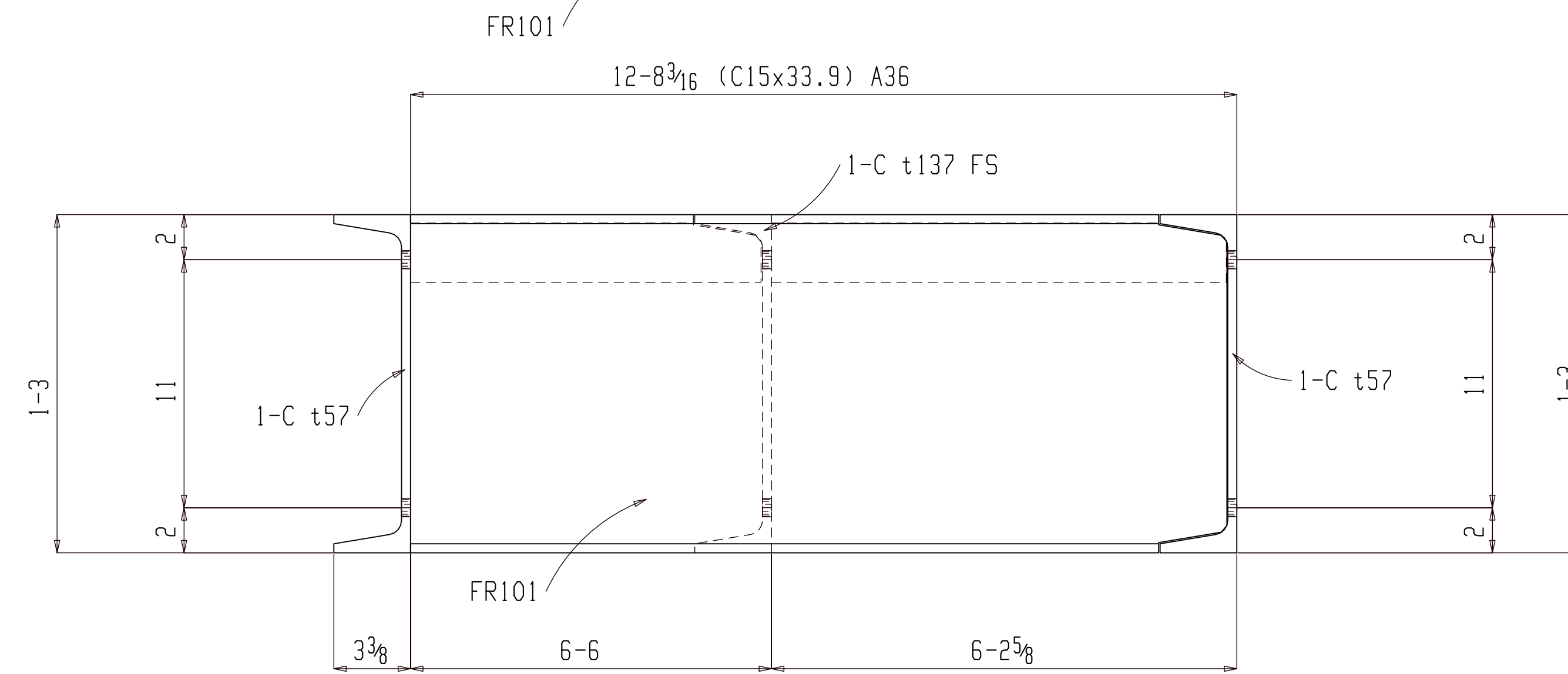
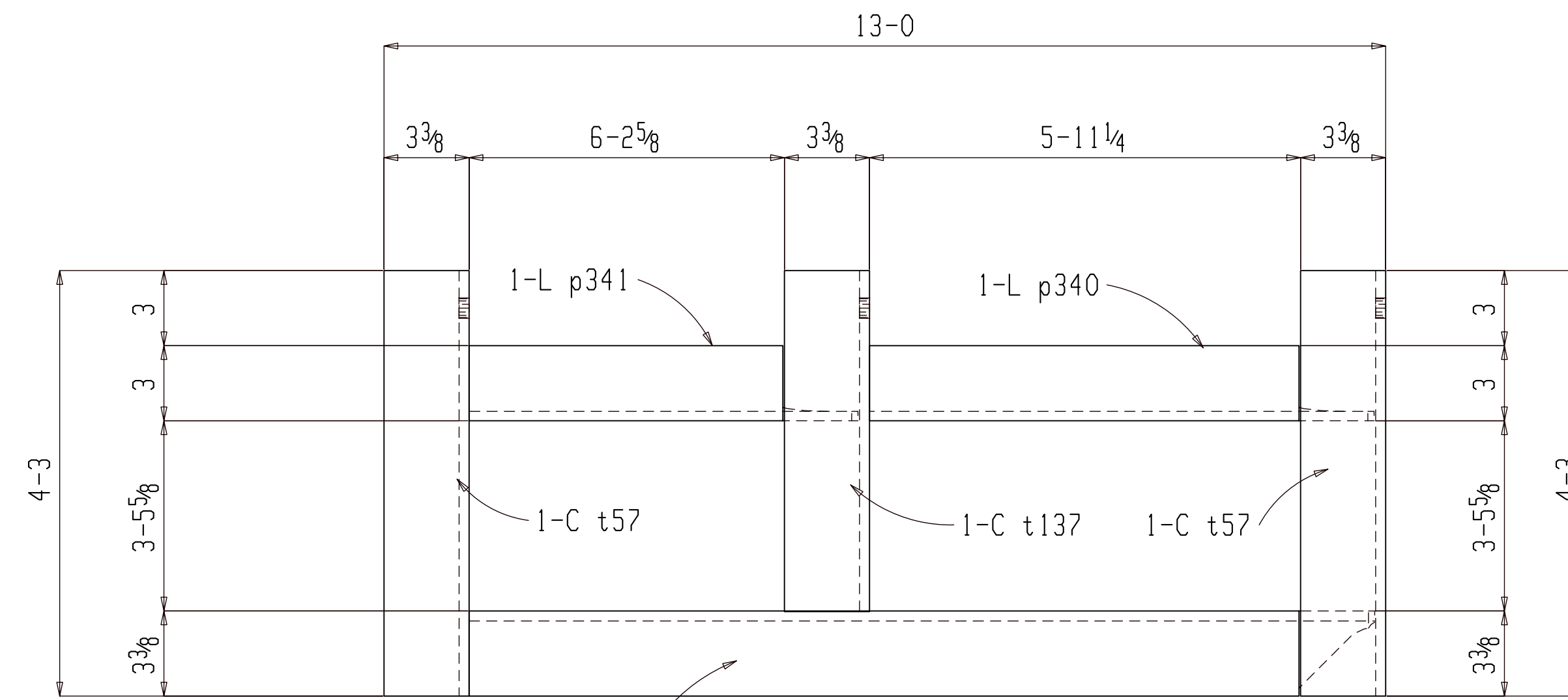
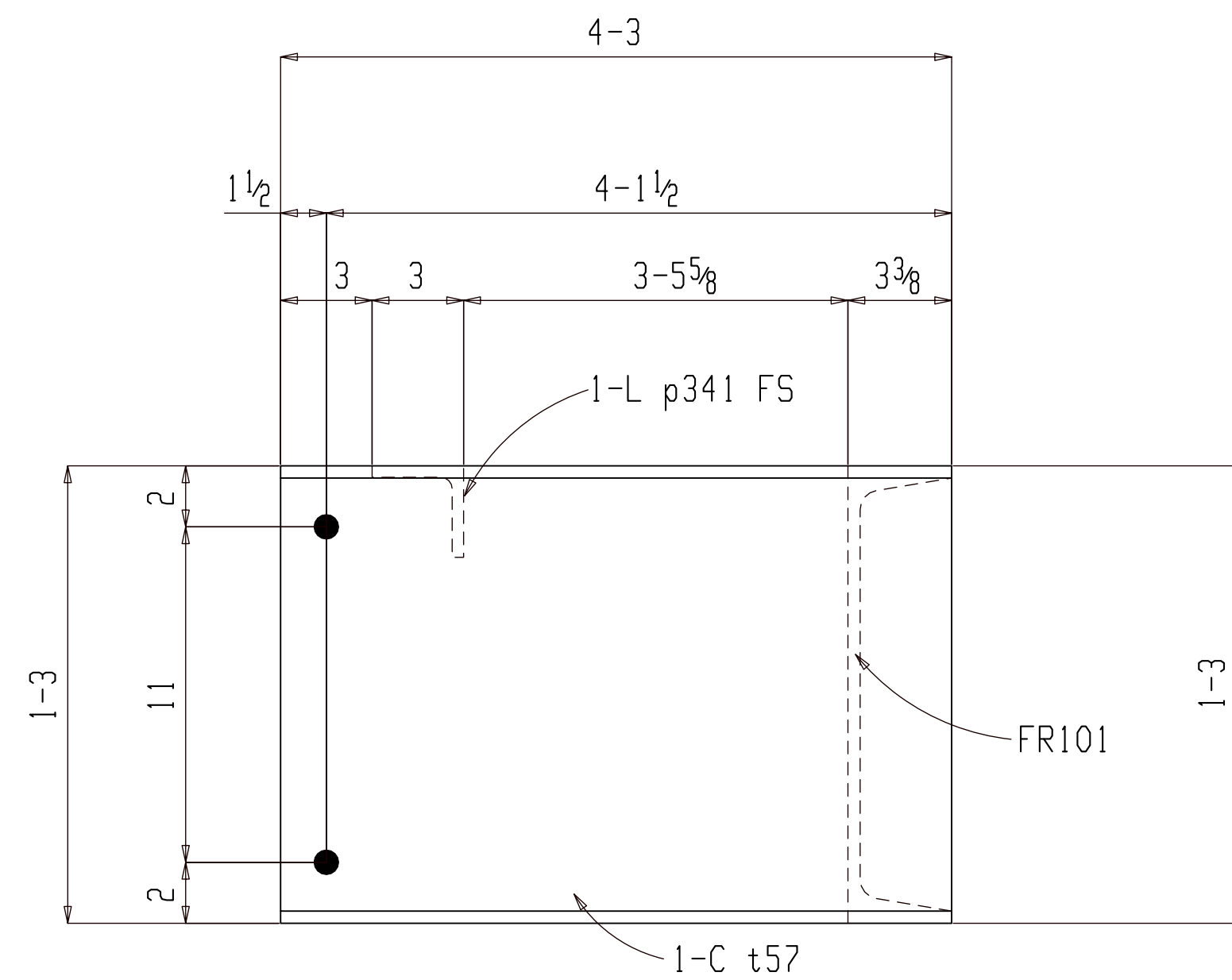
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. C102
		REV	△



ONE C15x33.9x12-8<sup>3</sup>/<sub>16</sub> FR101  
GRADE: A36



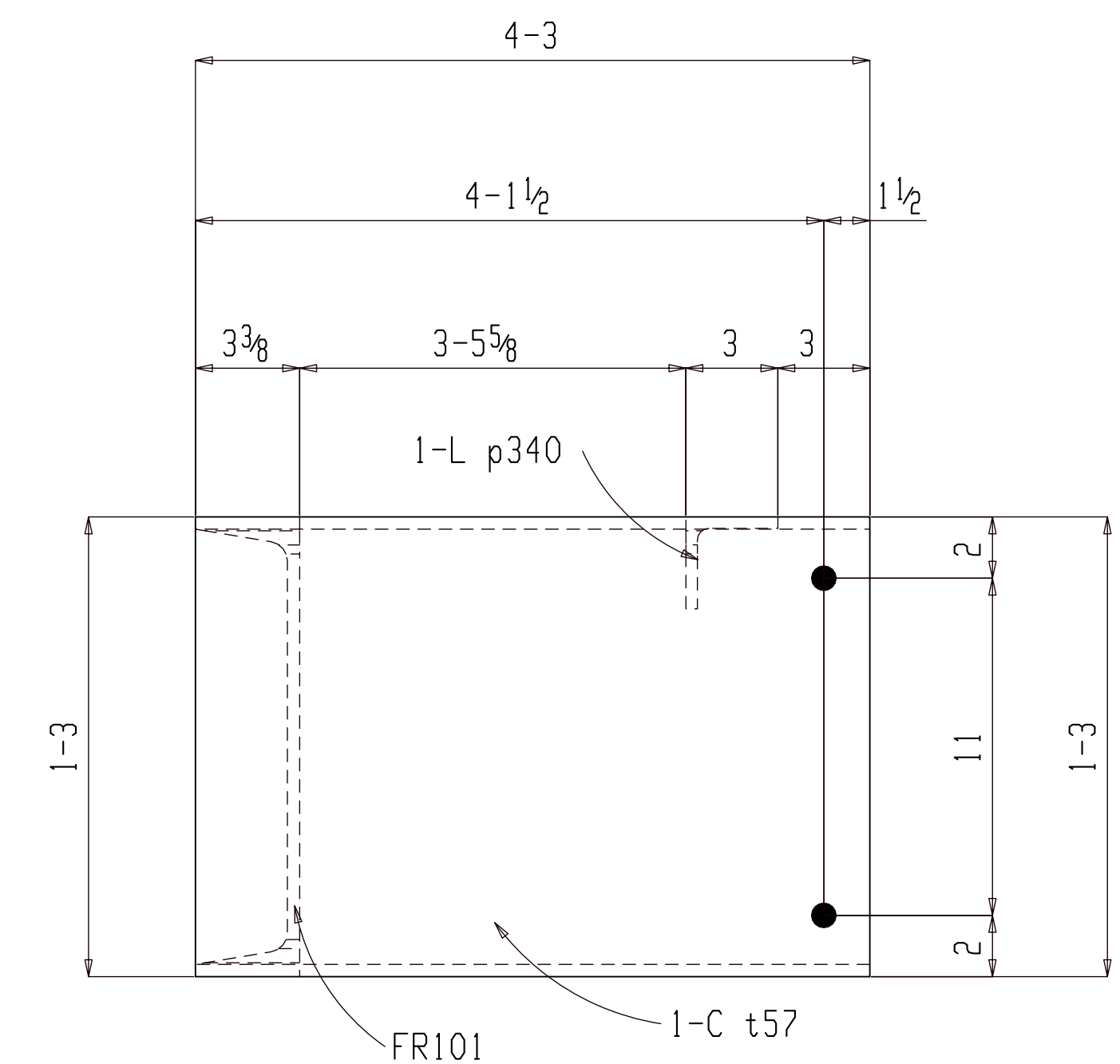
ONE FRAME FR101

(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.



BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR101		ONE	FRAME		(GALV)		944
	FR101	1	C15x33.9	12-8 <sup>3</sup> / <sub>16</sub>		A36	430
	p341	1	L3x3x <sup>3</sup> / <sub>8</sub>	6-5 <sup>9</sup> / <sub>16</sub>		A36	47
	p340	1	L3x3x <sup>3</sup> / <sub>8</sub>	6-2 <sup>3</sup> / <sub>16</sub>		A36	44
	t137	1	C15x33.9	3-11 <sup>5</sup> / <sub>8</sub>		A36	135
	t57	2	C15x33.9	4-3		A36	288
			FIELD BOLTS				

BILL OF MATERIAL

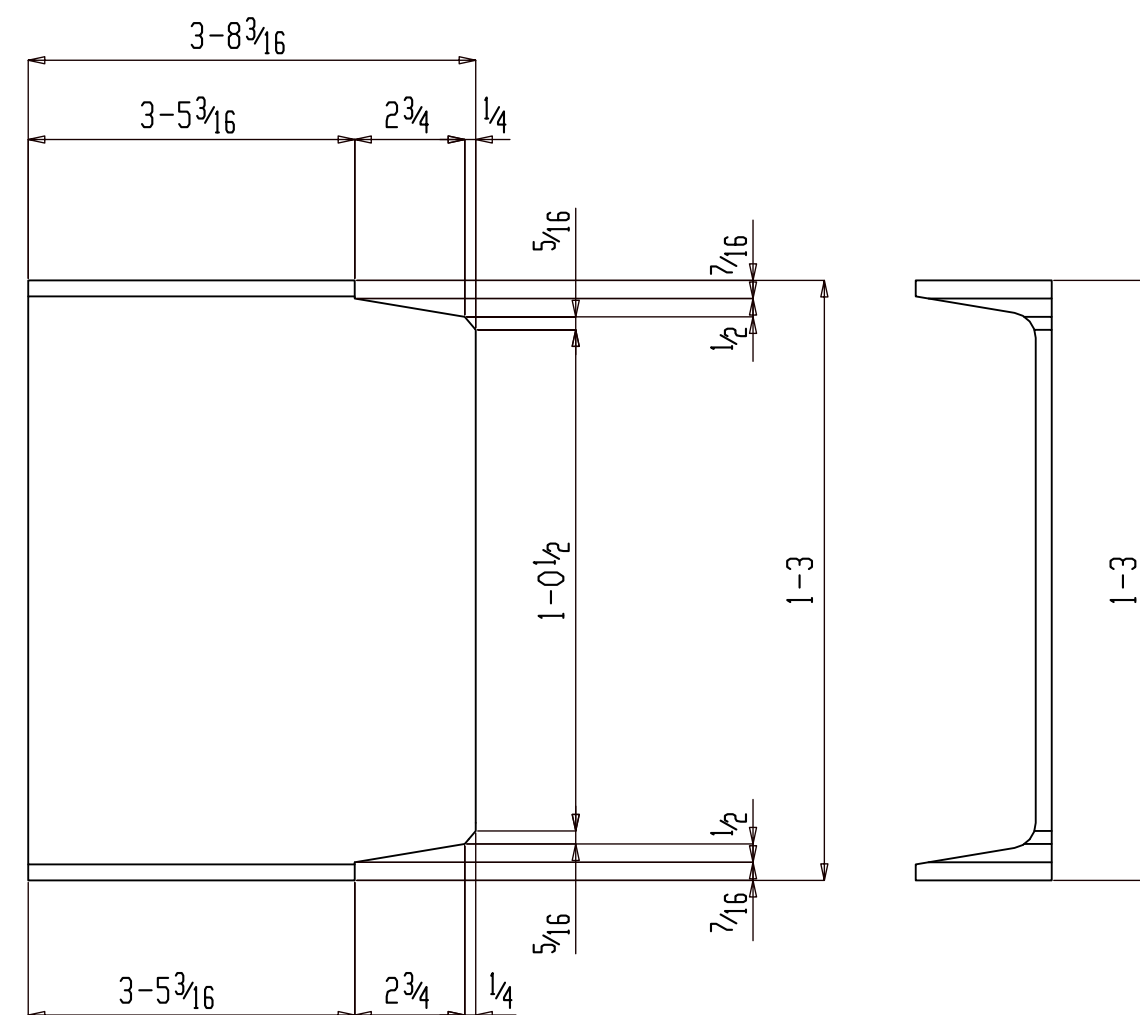
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
		6	TC <sup>3</sup> / <sub>4</sub> Dia A325N		+1HD WASH GALV		

FOR FABRICATION

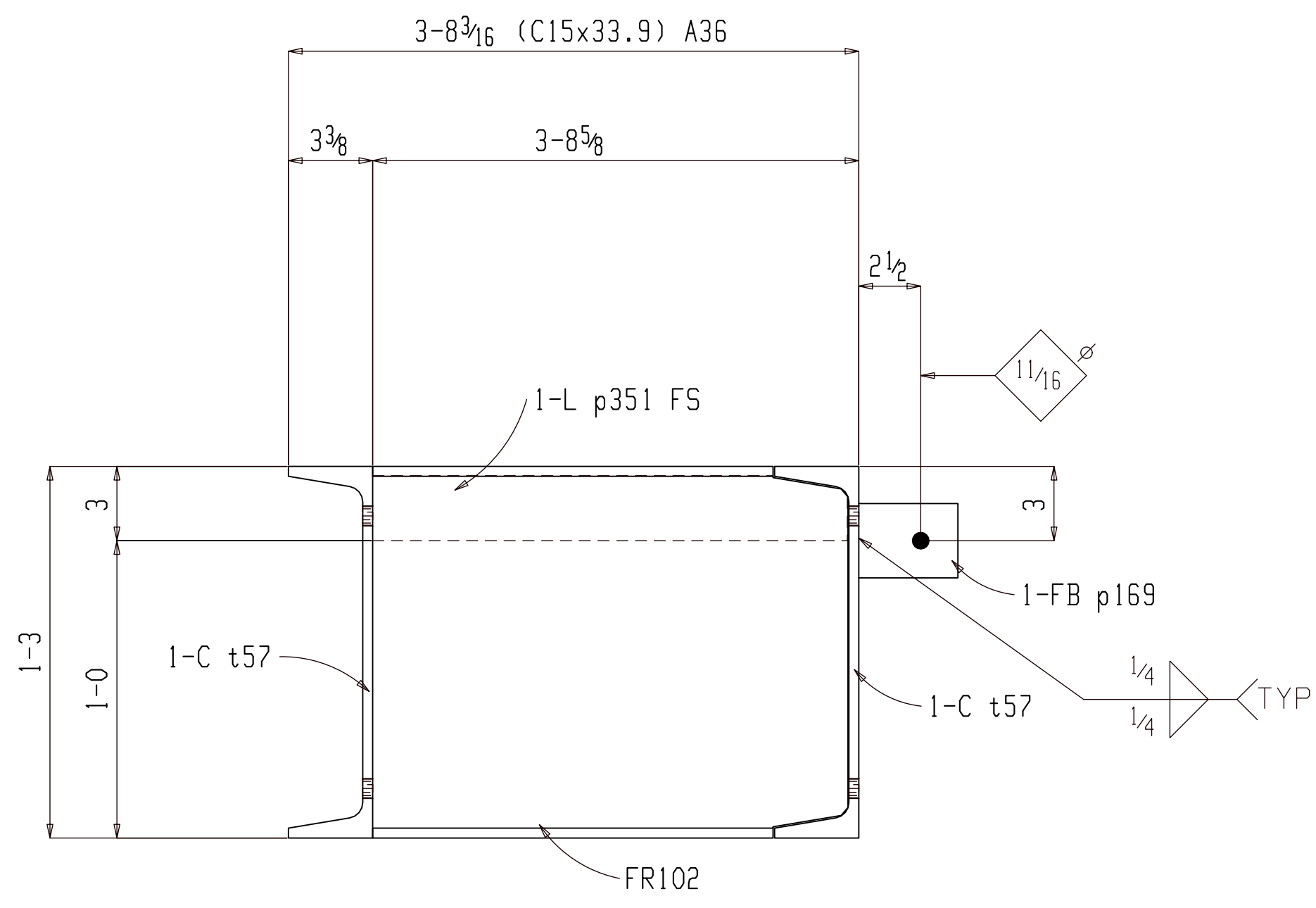
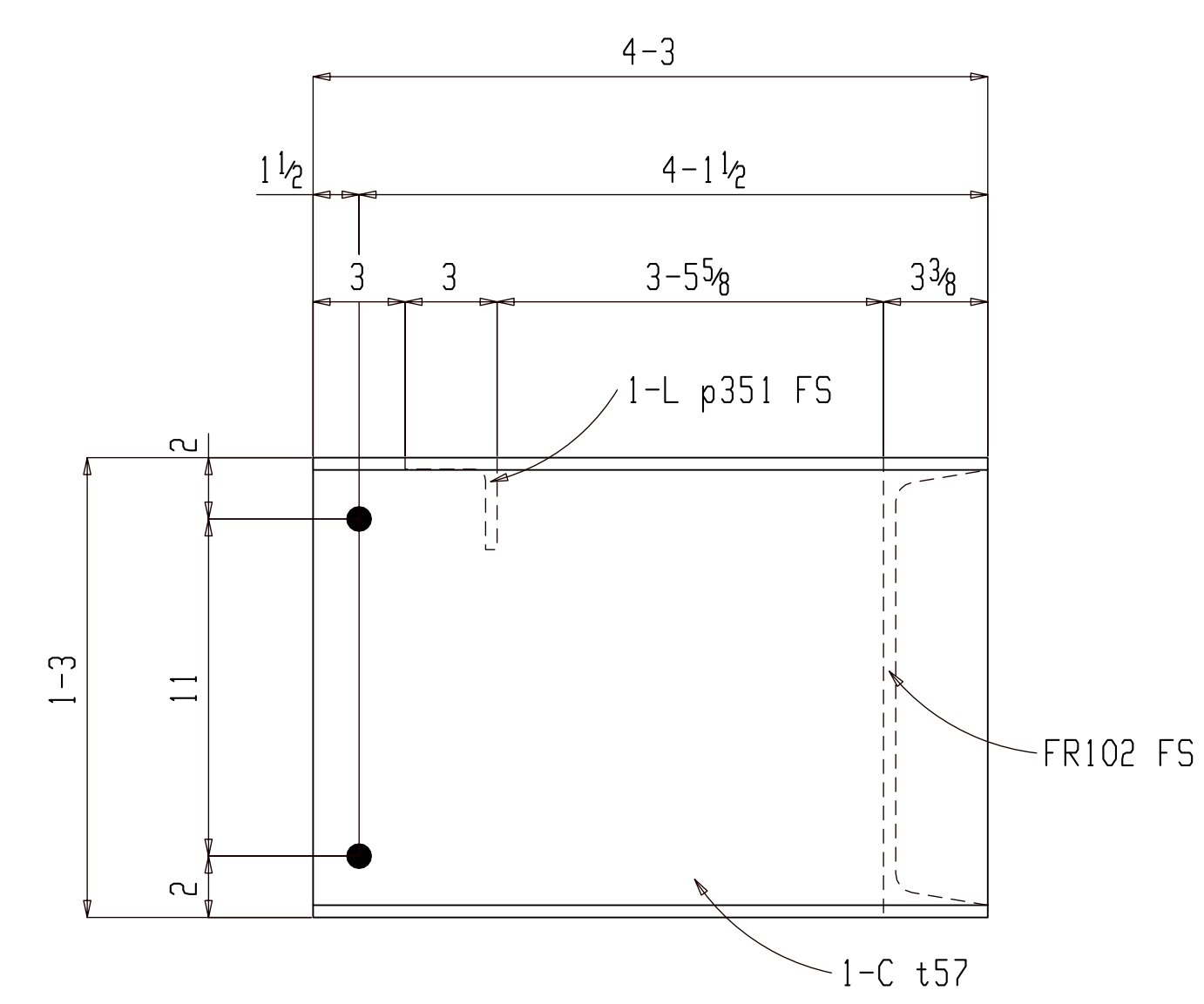
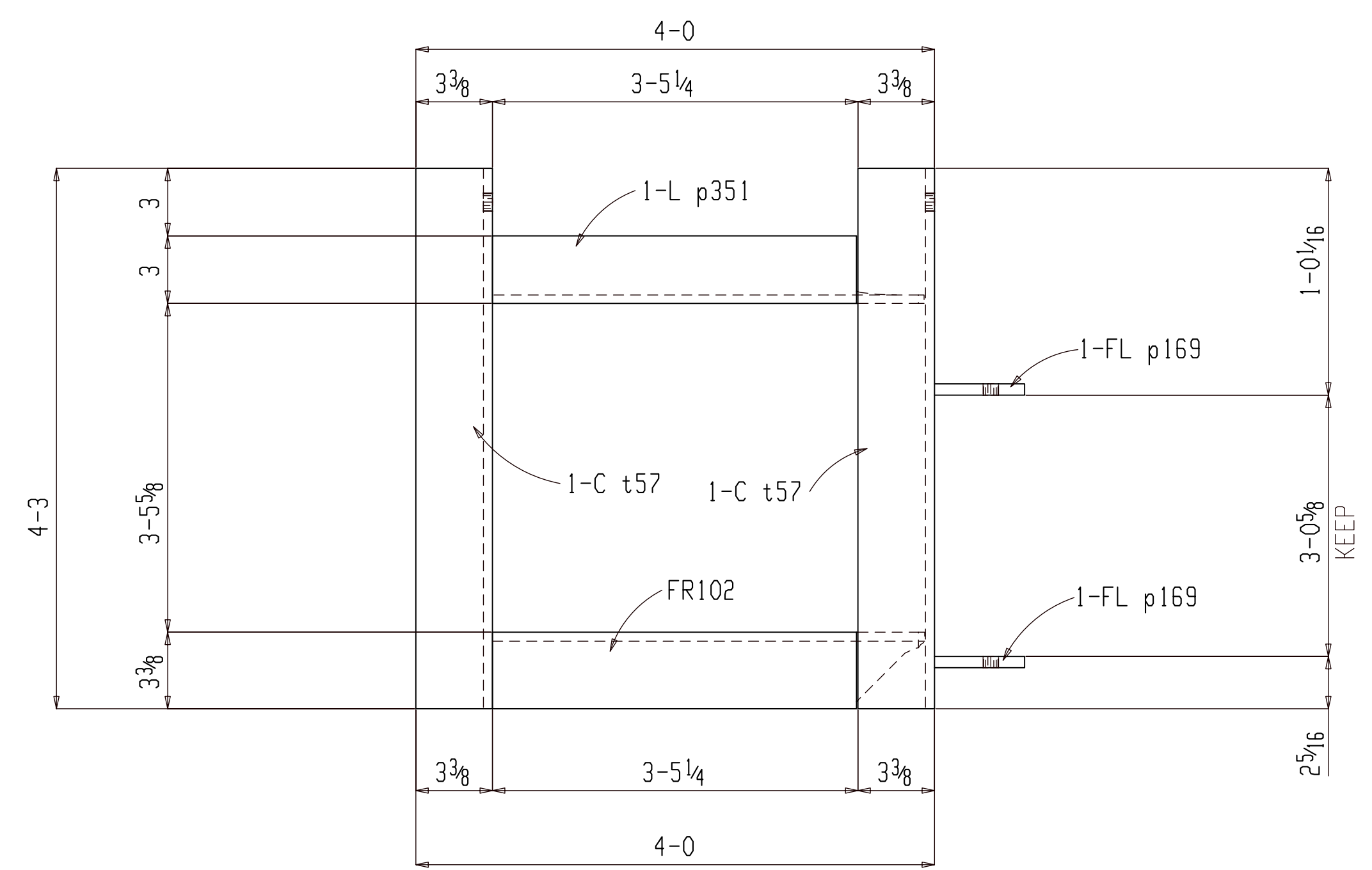
SHOP NOTES:

REF. DWG/SPEC:	
DEG REF. SPEC. / DWG:	
△ For Fabrication	ALN 07-21-22
△ For Re-Approval	ALN 07-13-22
△ For Approval	ALN 07-06-22
REV.	DESCRIPTION BY DATE

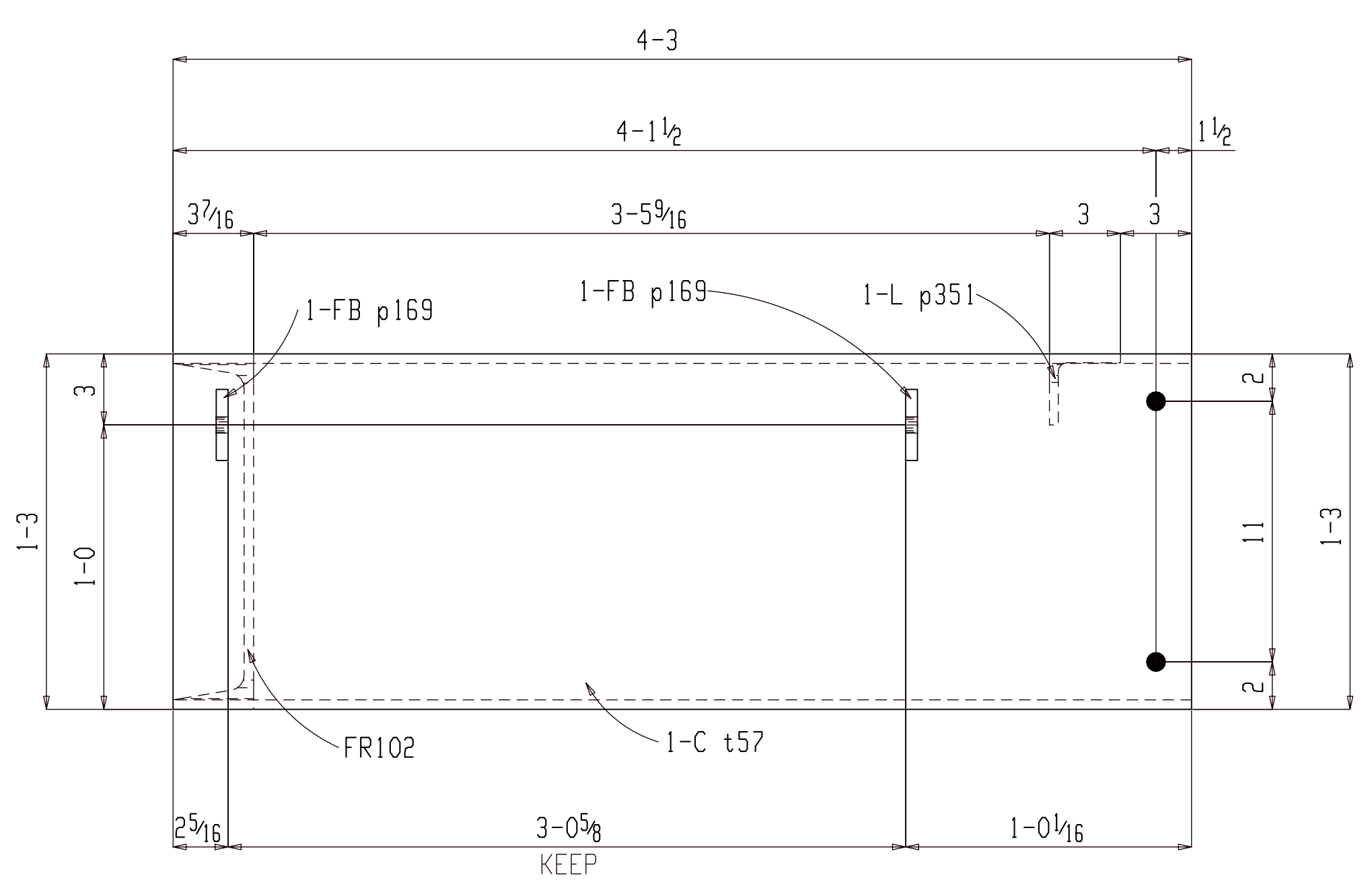
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE			DR. BY:	PKM	CHK. BY:	ALN
LOCATION:	ALASKA			SCALE:	N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY			DATE:	05-26-22		
DESCRIPTION:	FRAME DETAIL	JOB NUMBER:	460	SHEET NO.:	FR101	REV:	△



ONE C15x33.9x3-8 3/16 FR102  
GRADE: A36



ONE FRAME FR102  
(ASSEMBLY REFER: AS105)  
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.

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR102		ONE	FRAME		(GALV)		443
	FR102	1	C15x33.9	3-8 3/16		A36	125
	p351	1	L3x3x3 3/8	3-8 3/16		A36	26
	p169	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		

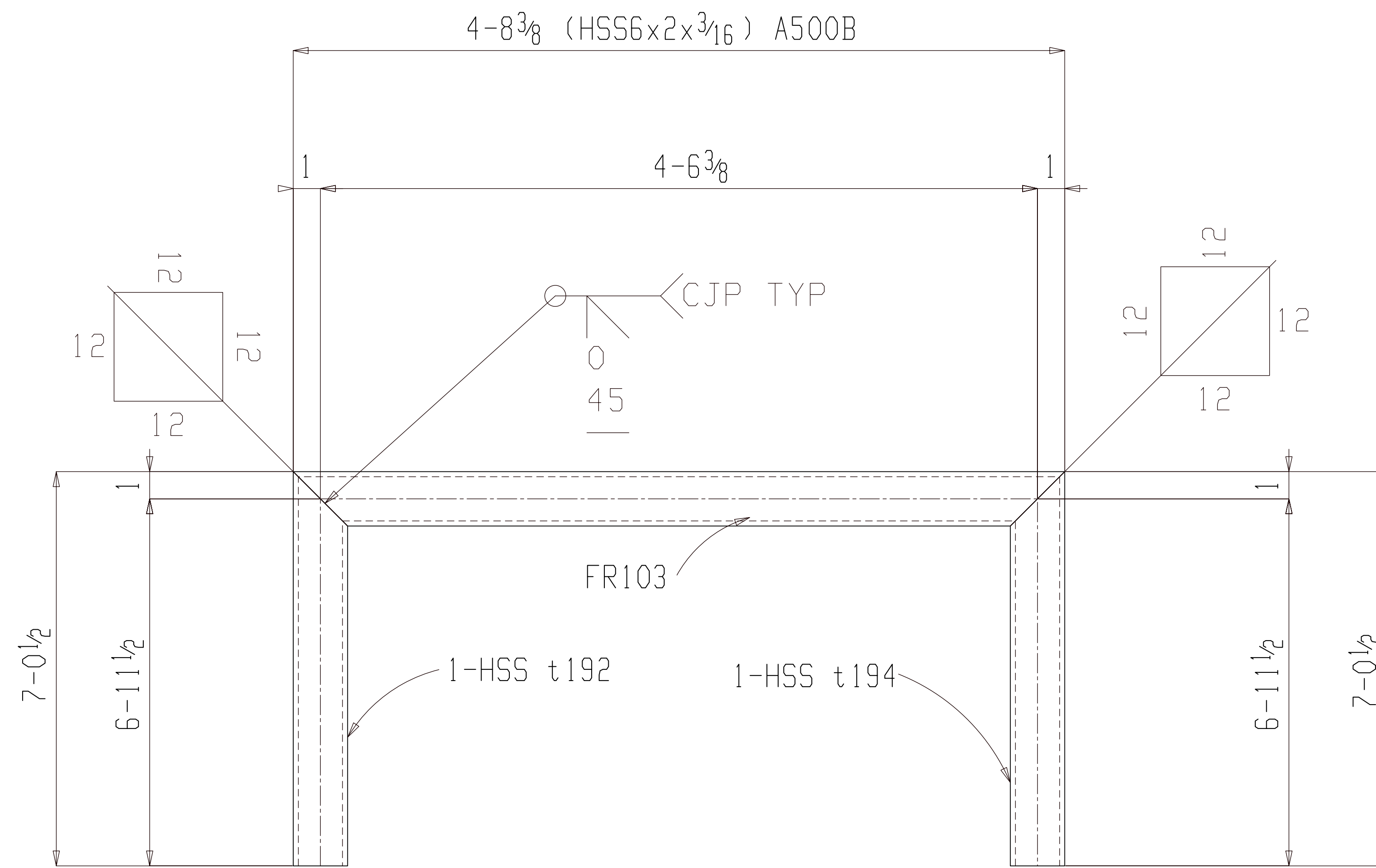
**FOR FABRICATION**

SHOP NOTES:

REF. DWG/SPEC:	
DEG REF. SPEC. / DWG:	
△ For Fabrication	ALN 07-21-22
△ For Re-Approval	ALN 07-13-22
△ For Approval	ALN 07-06-22
REV.	DESCRIPTION BY DATE

HOLES UN:	13/16Ø	PAIN T UN:	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR102	REV:	△





ONE FRAME FR103

(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.

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR103		ONE	FRAME				177
	FR103	1	HSS6x2x3/16	4-8 3/8		A500B	44
	t194	1	HSS6x2x3/16	7-0 1/2		A500B	66
	t192	1	HSS6x2x3/16	7-0 1/2		A500B	66

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

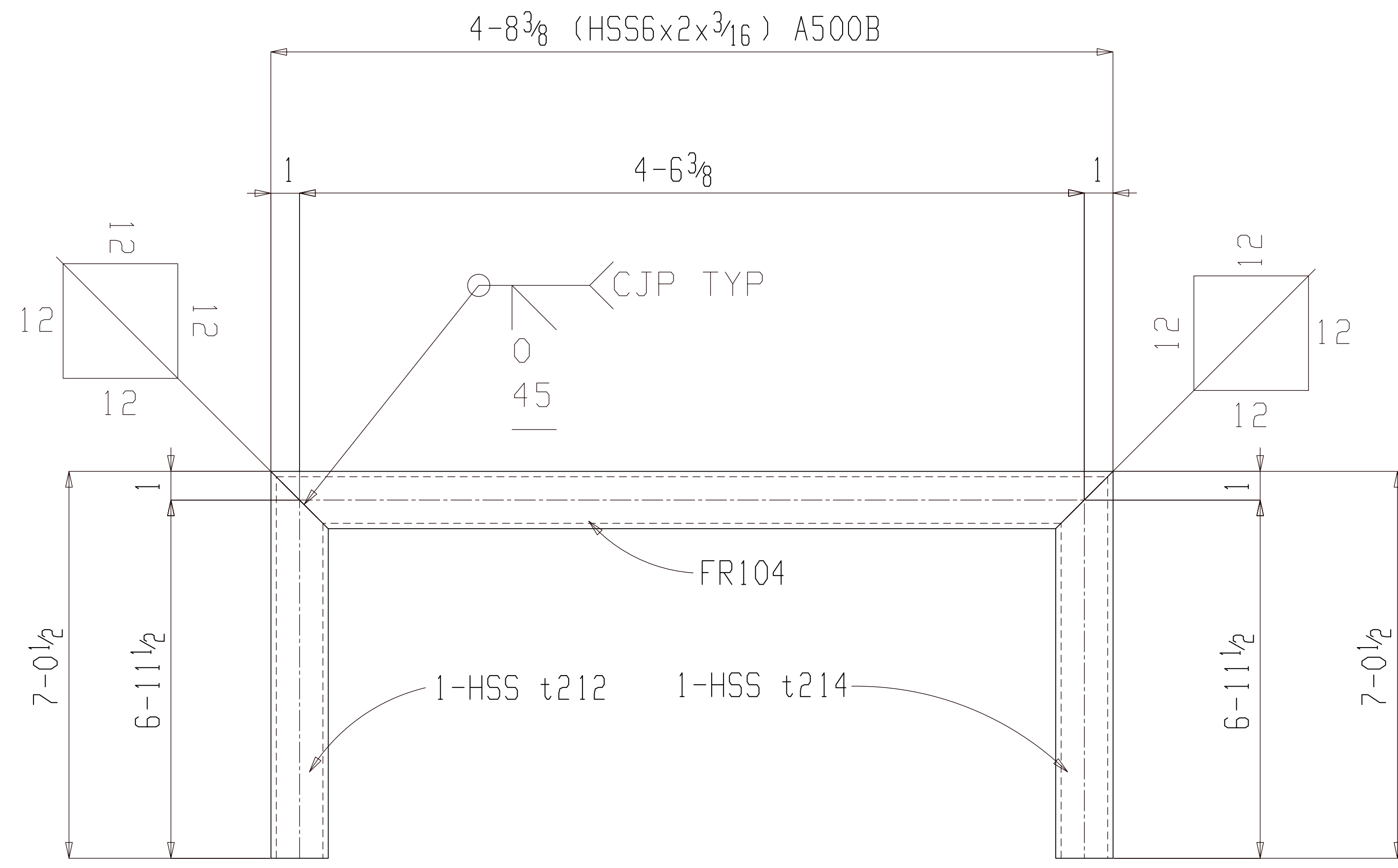
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR103	REV:	△



ONE FRAME FR104

(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**

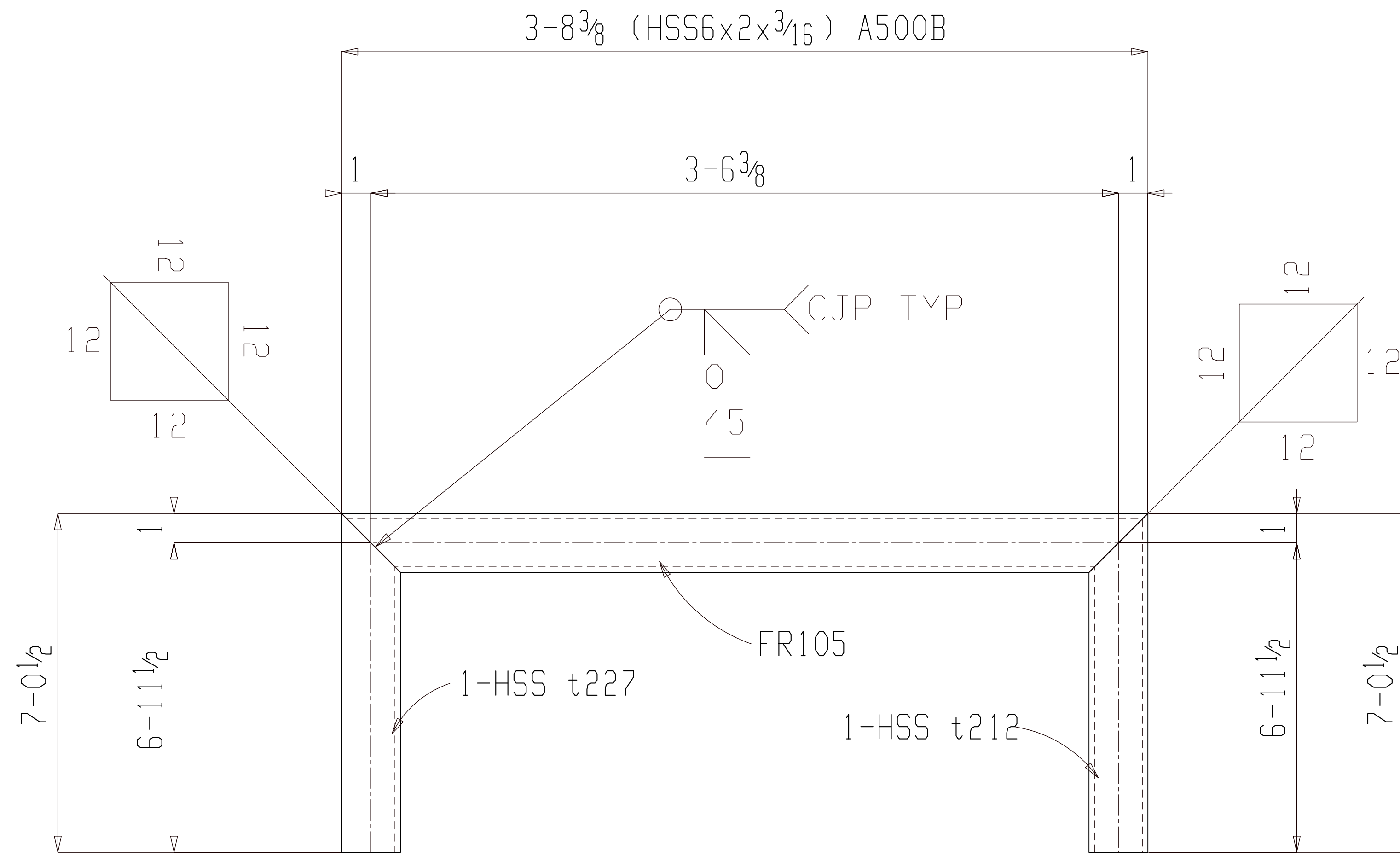
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR104		ONE	FRAME				177
	FR104	1	HSS6x2x3/16	4-8 3/8		A500B	44
	t214	1	HSS6x2x3/16	7-0 1/2		A500B	66
	t212	1	HSS6x2x3/16	7-0 1/2		A500B	66

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	FRAME DETAIL	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.

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR105		ONE	FRAME				167
	FR105	1	HSS6x2x3/16	3-8 3/8		A500B	35
	t227	1	HSS6x2x3/16	7-0 1/2		A500B	66
	t212	1	HSS6x2x3/16	7-0 1/2		A500B	66

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

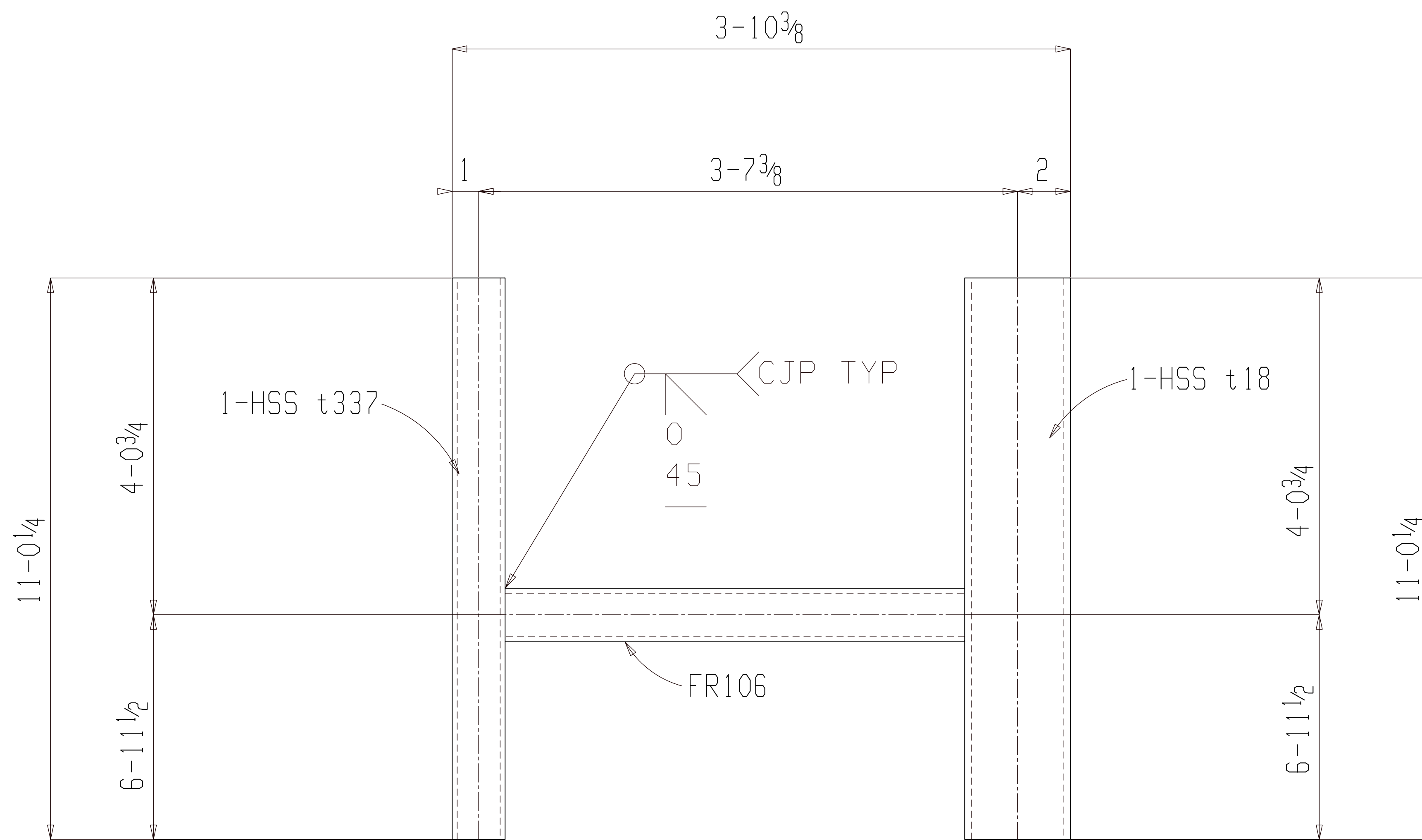
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR105	REV:	△



ONE FRAME FR106

(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

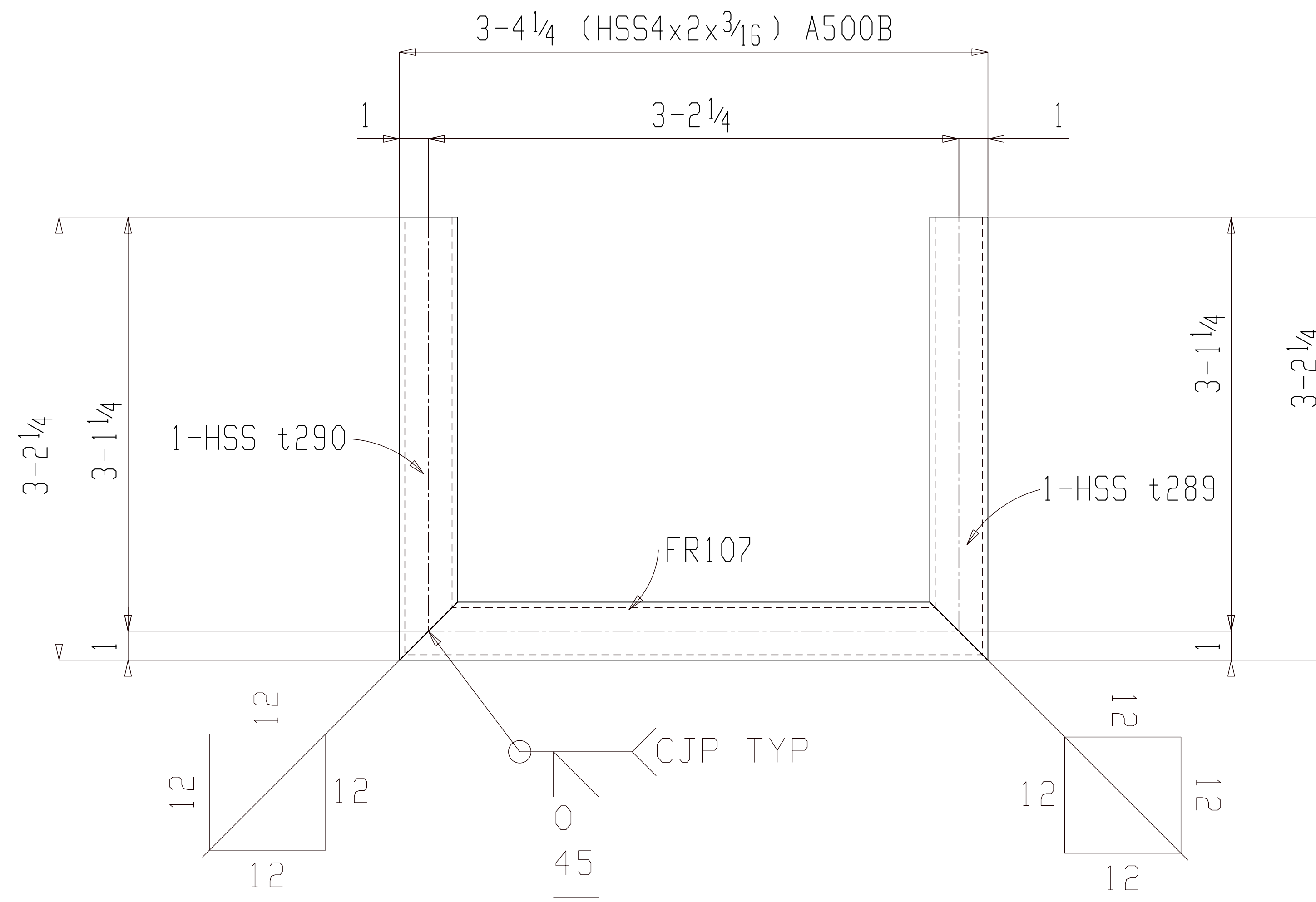
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR106		ONE	FRAME				233
	FR106	1	HSS4x2x3/16	3-4 3/8		A500B	23
	t18	1	HSS4x4x1/4	11-0 1/4		A500B	135
	t337	1	HSS4x2x3/16	11-0 1/4		A500B	76

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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	FRAME DETAIL	SHEET NO.:	FR106
		REV:	△



ONE FRAME FR107

(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
FR107		ONE	FRAME				67
	FR107	1	HSS4x2x3/16	3-4 1/4		A500B	23
	t290	1	HSS4x2x3/16	3-2 1/4		A500B	22
	t289	1	HSS4x2x3/16	3-2 1/4		A500B	22

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

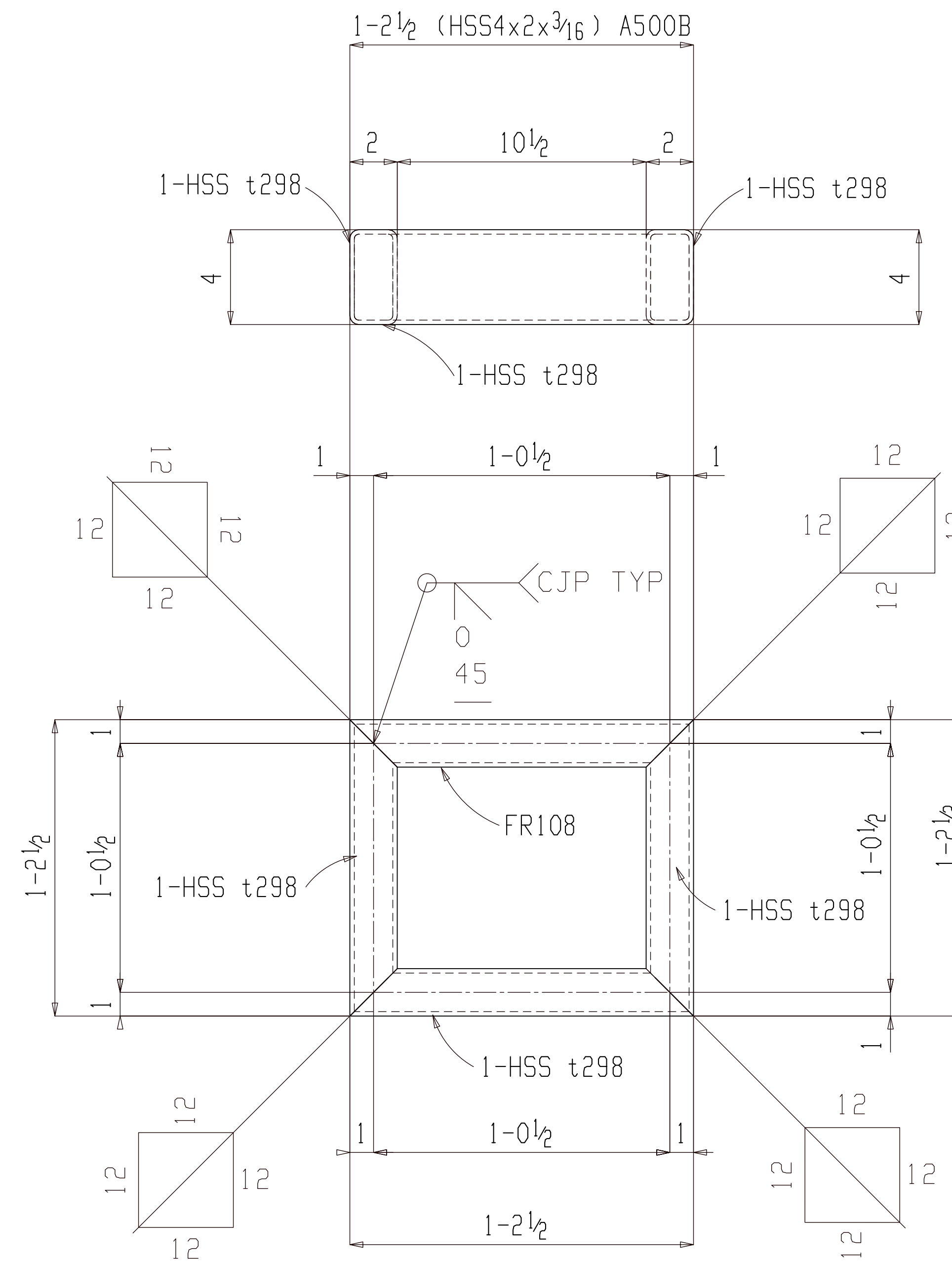
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR107	REV:	△



ONE FRAME FR108

(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.

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR108		ONE	FRAME				33
	FR108	1	HSS4x2x3/16	1-2 1/2		A500B	8
	t298	3	HSS4x2x3/16	1-2 1/2		A500B	25

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

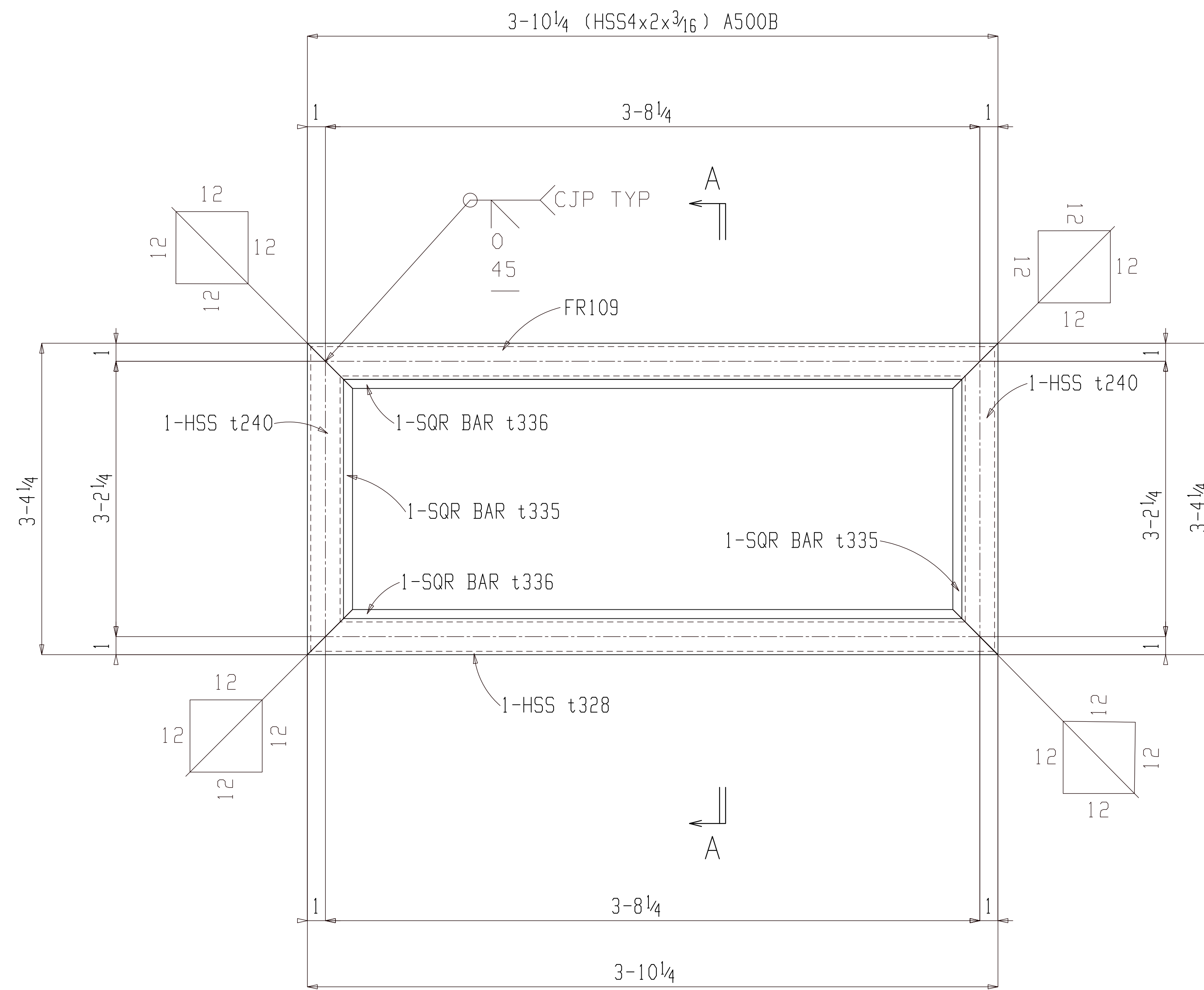
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

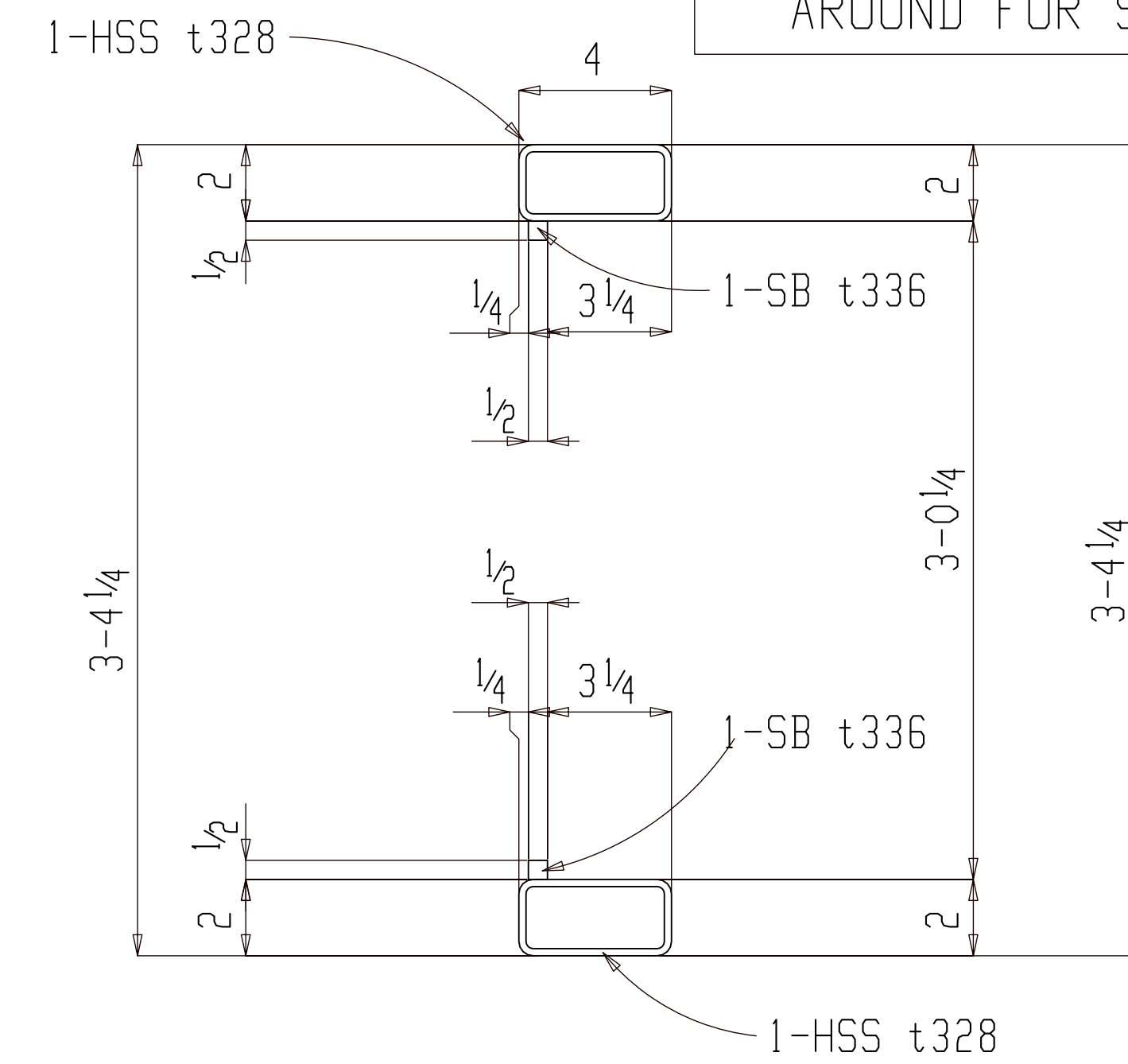
REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	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.
4. 1/2" STEEL BAR SEAL WELDED TO HSS FRAME ALL AROUND FOR STOP.



Section A-A  
FR109

ONE FRAME FR109

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR109		ONE	FRAME				110
	FR109	1	HSS4x2x3/16	3-10 1/4		A500B	26
		2	SB 1/2	3-6 1/4		A36	6
		2	SB 1/2	3-0 1/4		A36	5
		1	HSS4x2x3/16	3-10 1/4		A500B	26
		2	HSS4x2x3/16	3-4 1/4		A500B	46

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

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

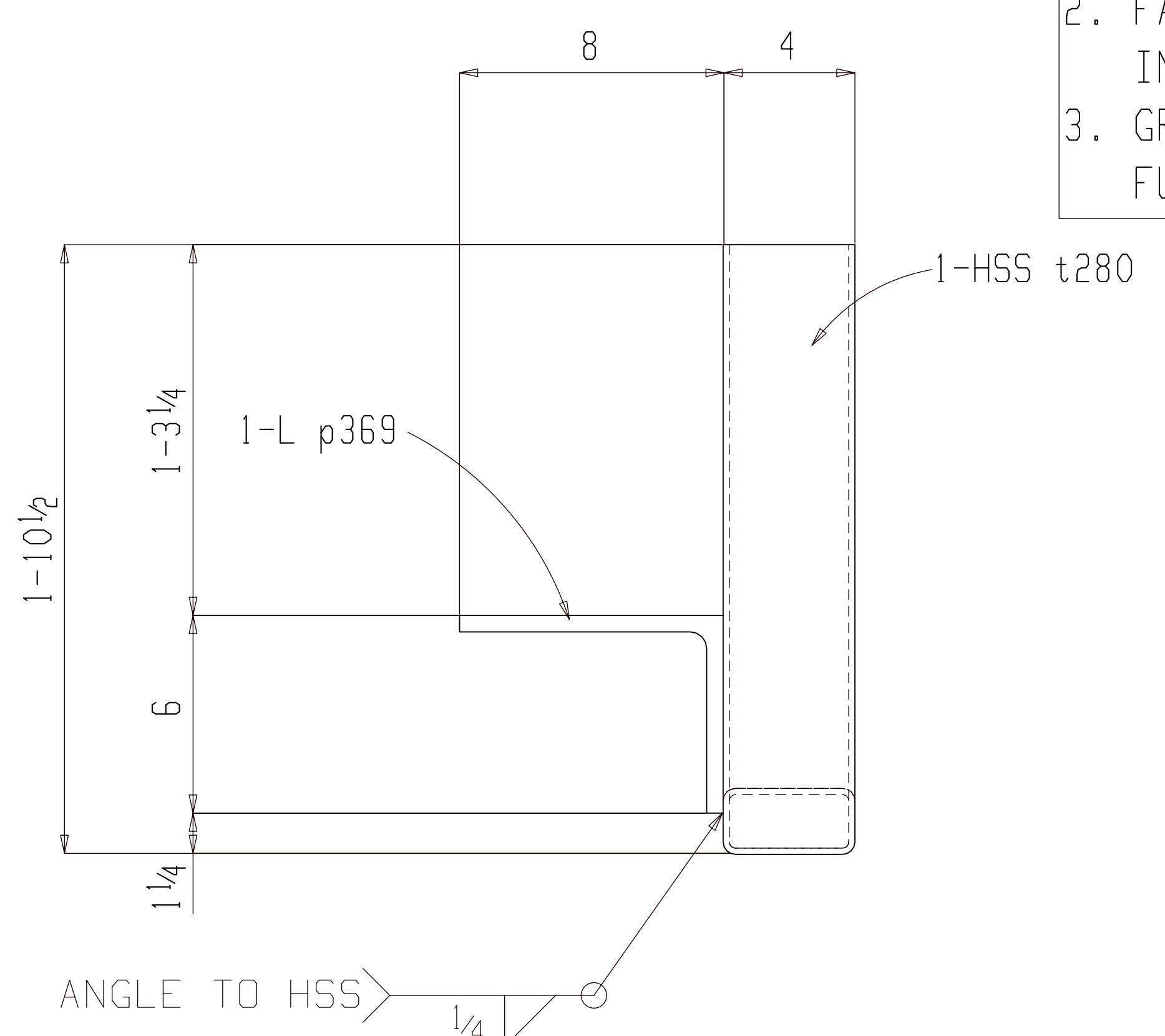
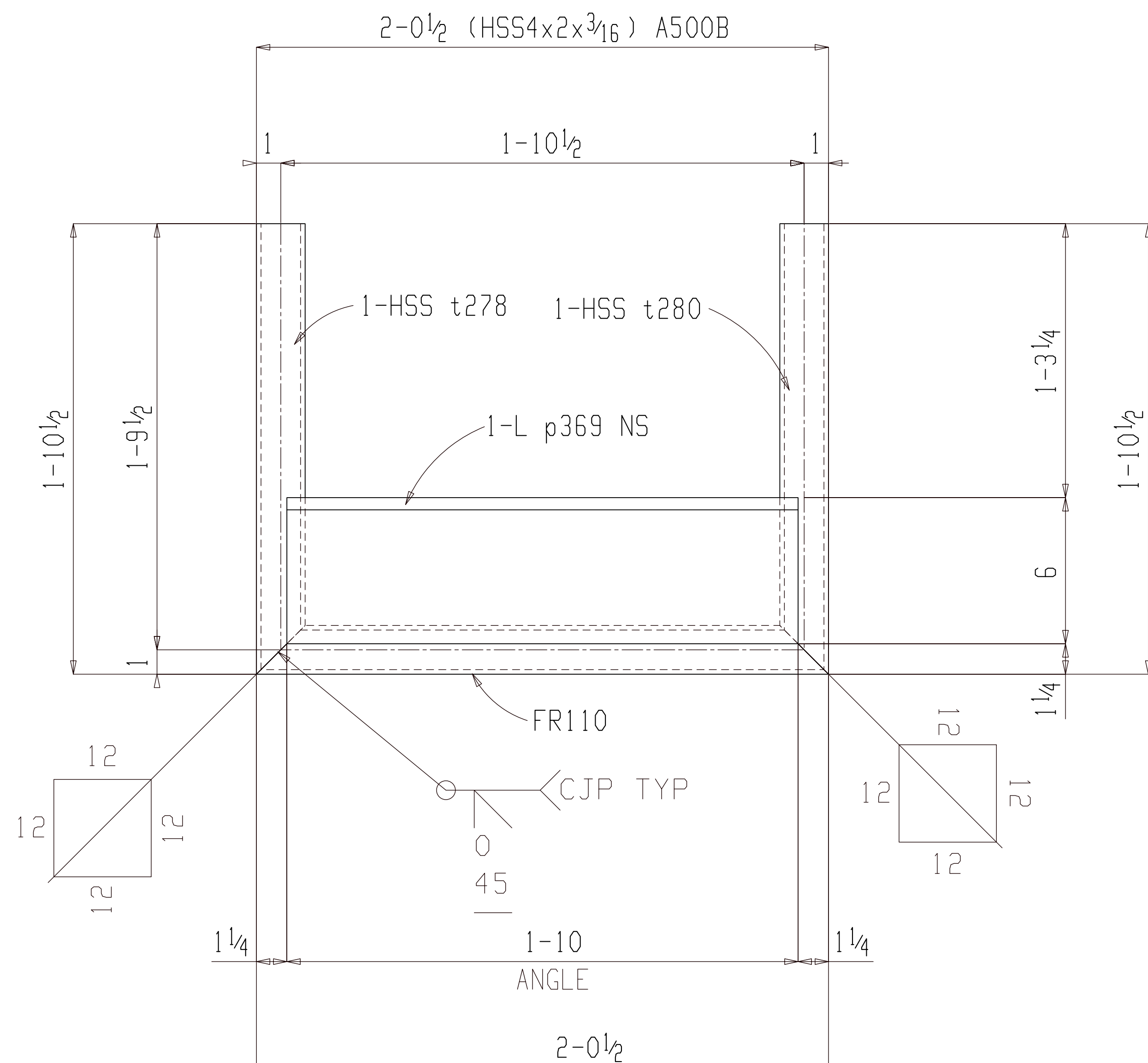
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

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

JOB NAME: NAPASKIAK 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 460 SHEET NO. FR109 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 FR110

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR110		3	FRAME				246
	FR110	3	HSS4x2x3/16	2-0 1/2		A500B	42
	p369	3	L8x6x1/2	1-10		A36	127
	t280	3	HSS4x2x3/16	1-10 1/2		A500B	39
	t278	3	HSS4x2x3/16	1-10 1/2		A500B	39

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

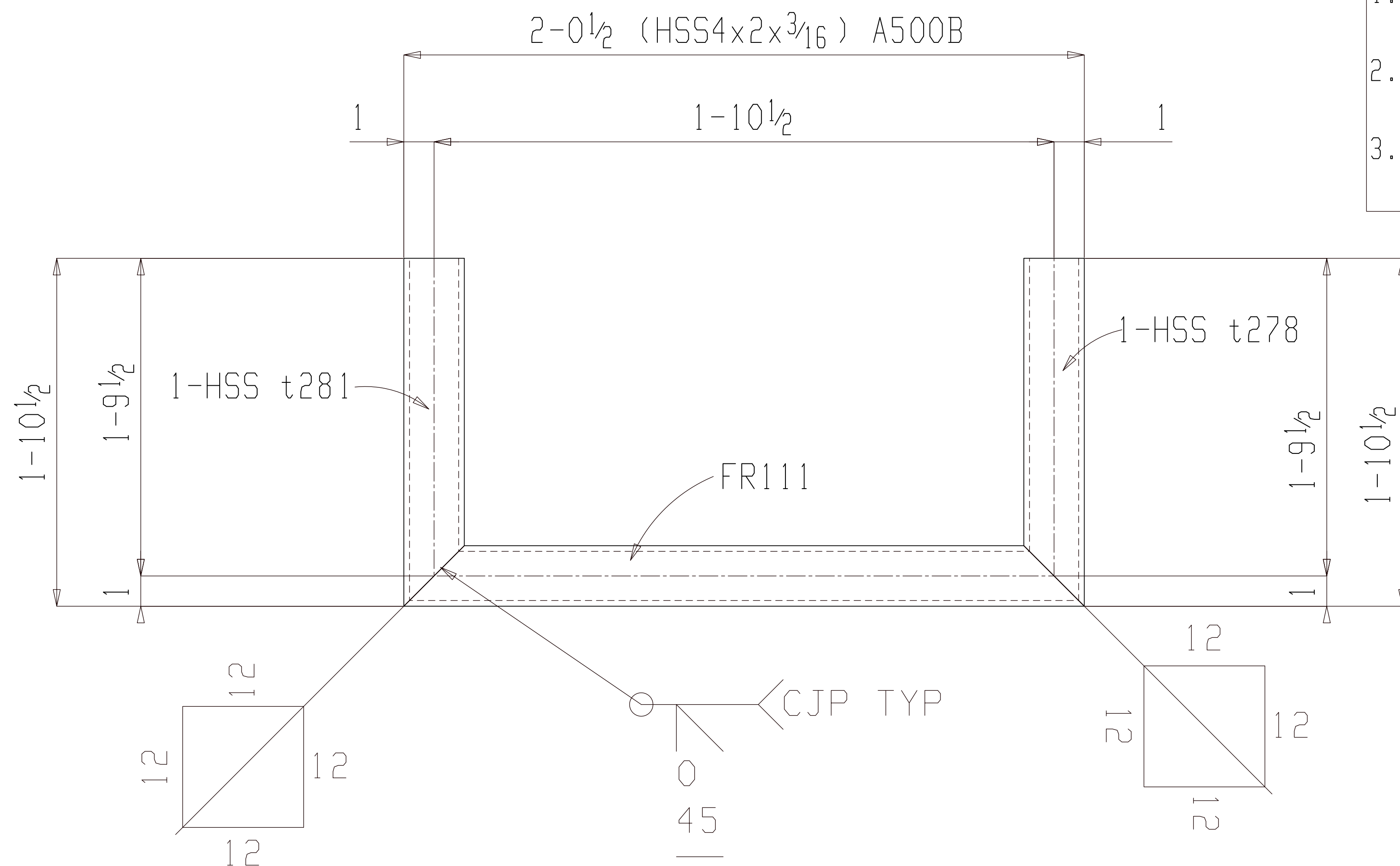
REF. DWG/SPEC:	
DEG REF. SPEC. / DWG:	
△ For Fabrication	ALN 07-21-22
△ For Re-Approval	ALN 07-13-22
△ For Approval	ALN 07-06-22
REV.	DESCRIPTION BY DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR110	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 FR111

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR111		3	FRAME				119
	FR111	3	HSS4x2x3/16	2'-0 1/2"		A500B	42
	t281	3	HSS4x2x3/16	1'-10 1/2"		A500B	39
	t278	3	HSS4x2x3/16	1'-10 1/2"		A500B	39

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

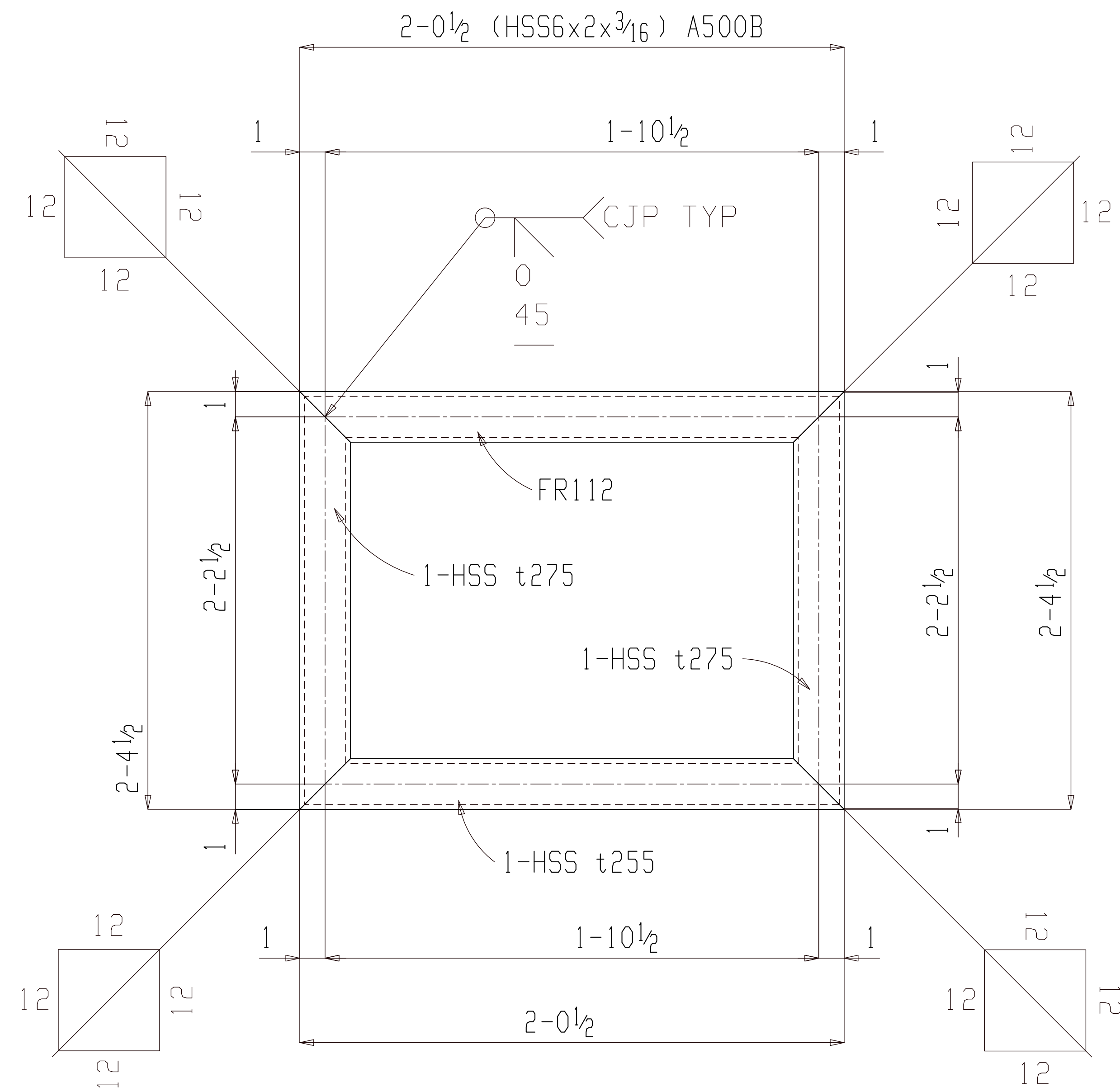
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	FR111	REV.	△



4 FRAMES FR112

(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.

FOR FABRICATION

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
FR112		4	FRAME				333
	FR112	4	HSS6x2x3/16	2-0 1/2		A500B	77
	t275	8	HSS6x2x3/16	2-4 1/2		A500B	179
	t255	4	HSS6x2x3/16	2-0 1/2		A500B	77

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

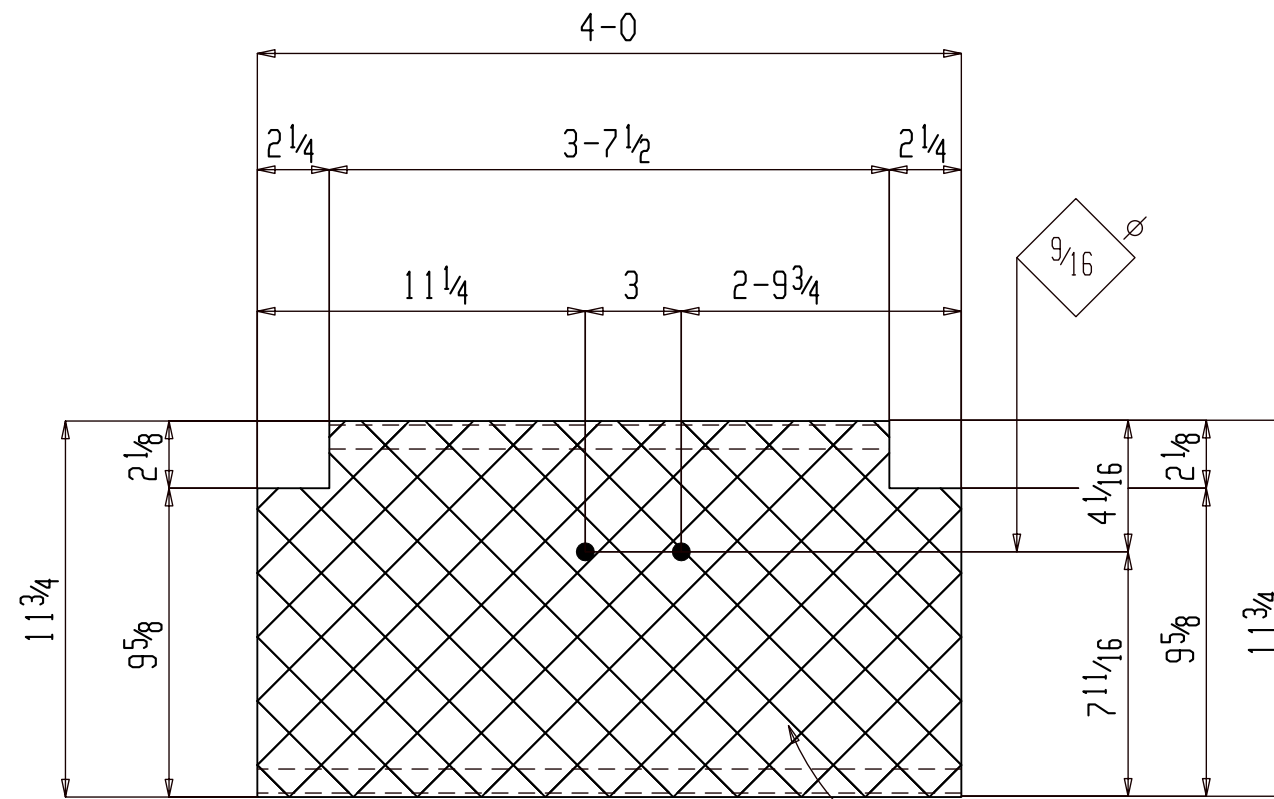
SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	PAINT U.N.	WELDS:	CLEANING:
13/16Ø	NO PAINT	E70XX	
JOB NAME: NAPASKIAK 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: 460	SHEET NO: FR112	REV: △



12GAx11 3/4x2x4-0 LG  
GRIP STRUT TREAD  
(PRE-GALVANIZED)

ONE GRIPSTRUT GR101

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

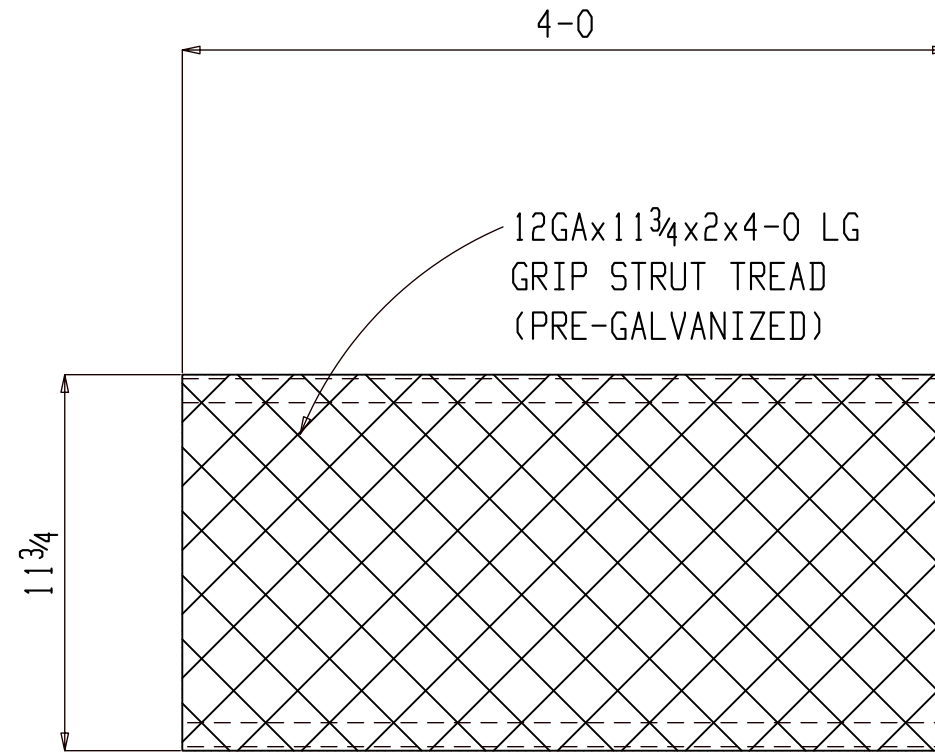
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR101		ONE	GRIPSTRUT		(GALV)		68
	GR101	1	12GAx11 3/4x2	4-0			68

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	GR101	REV	△



13 GRIPSTRUTS GR102

(ASSEMBLY REFER: AS104 & AS105)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

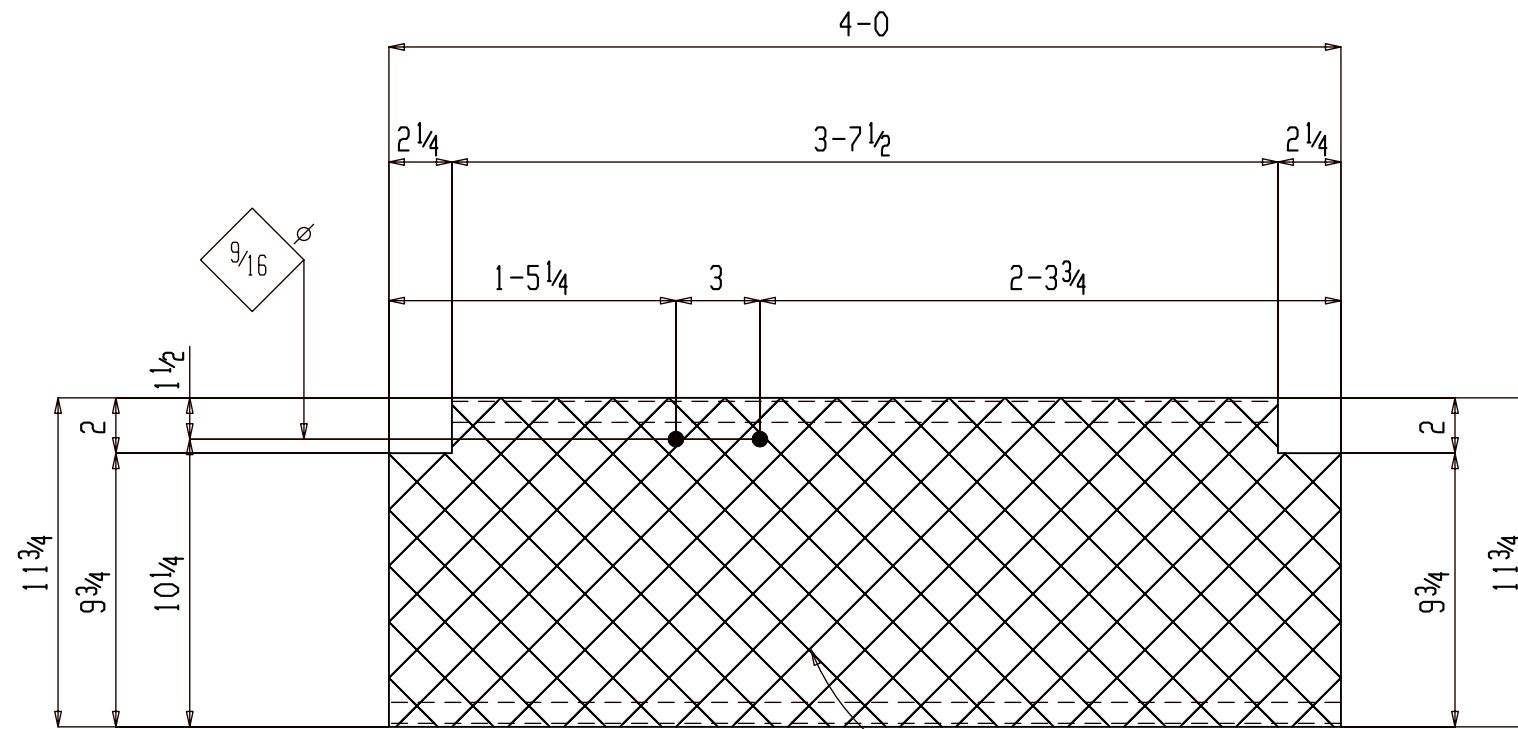
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR102		13	GRIPSTRUT		(GALV)		888
	GR102	13	12GAx1 1/4x2	4-0			888

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
		WELDS:	E70XX
		CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
		DATE:	05-26-22
DESCRIPTION:	GRIPSTRUT DETAIL	JOB NUMBER	460
		SHEET NO.	GR102
		REV	△





12GAx11<sup>3</sup>/<sub>4</sub>x2x4-0 LG  
GRIP STRUT TREAD  
(PRE-GALVANIZED)

**ONE GRIPSTRUT GR104**

(ASSEMBLY REFER: AS105)

GALVANIZED

**FOR FABRICATION**

SHOP NOTES:

**BILL OF MATERIAL**

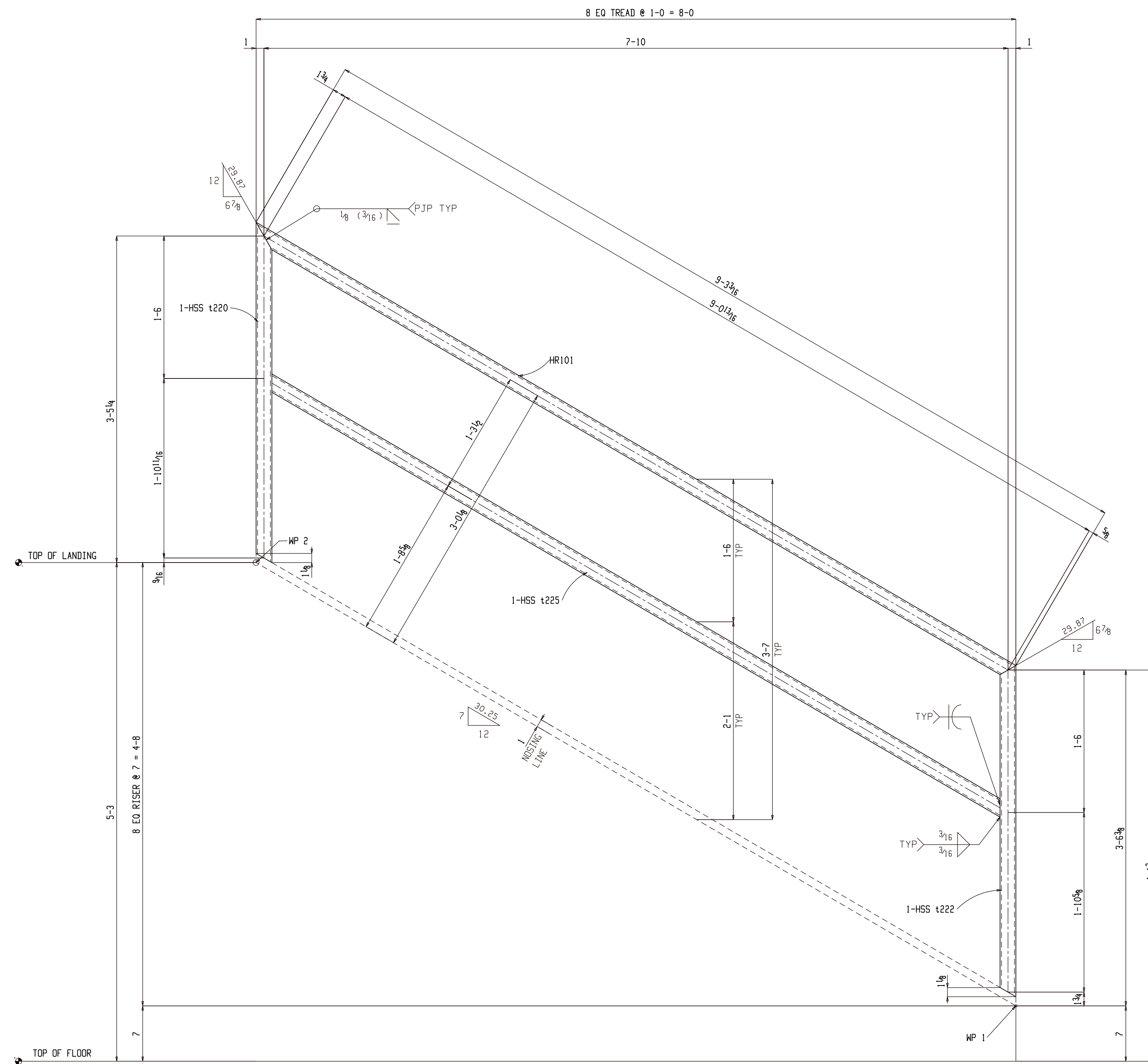
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
GR104		ONE	GRIPSTRUT		(GALV)		68
	GR104	1	12GAx11 <sup>3</sup> / <sub>4</sub> x2	4-0			68

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING: SSPC-SP6			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. GR104
		REV	△





2 HANDRAILS HR101

(ASSEMBLY REFER: A5106)

GALVANIZED

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR101		2	HANDRAIL		(GALV)		219
	HR101	2	HSS2x2x3/16	9-3 1/8		A500B	80
	t225	2	HSS2x2x3/16	8-11 1/16		A500B	78
	t222	2	HSS2x2x3/16	3-5 13/16		A500B	30
	t220	2	HSS2x2x3/16	3-7		A500B	31

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

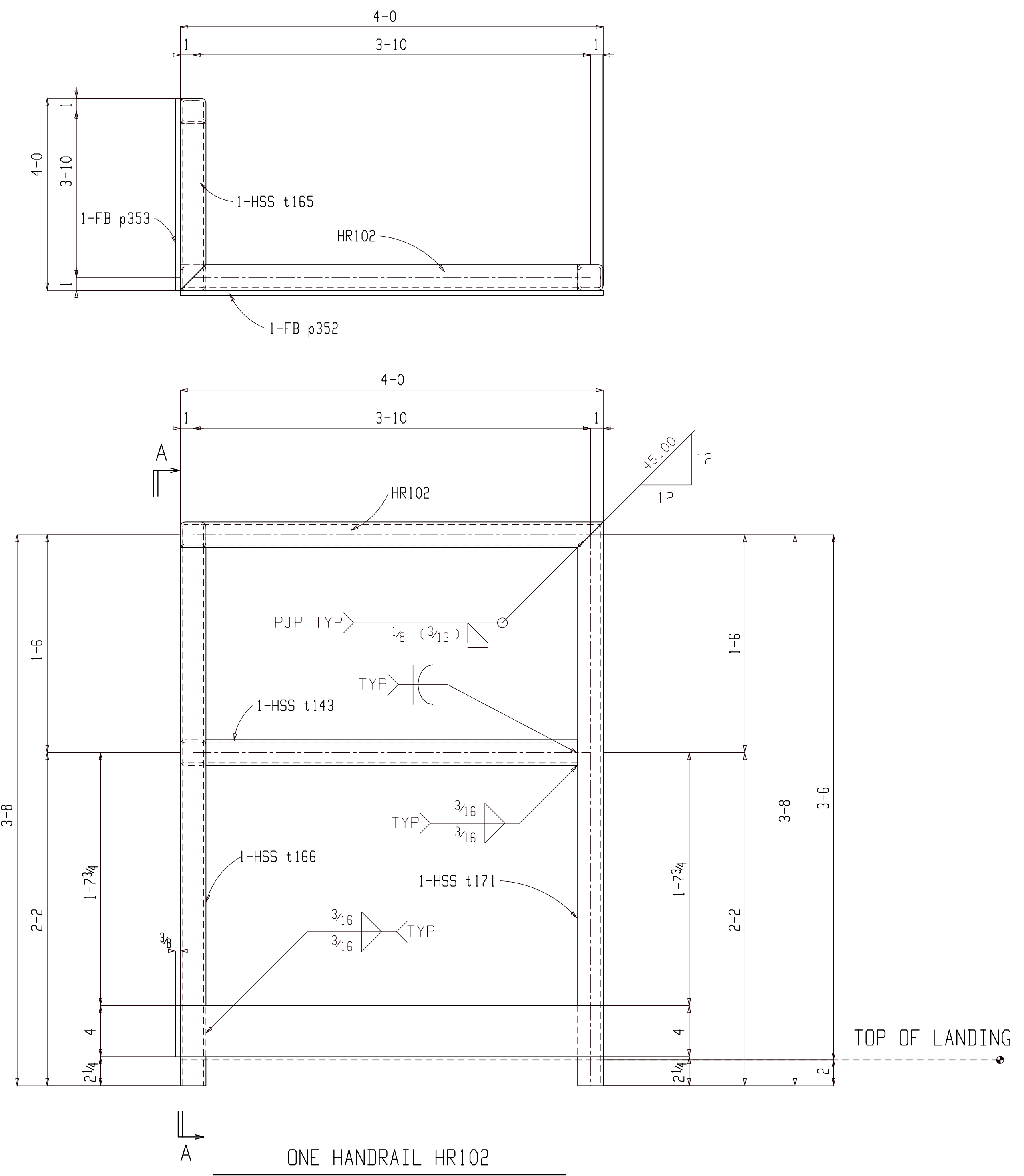
REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	HR101	REV:	△

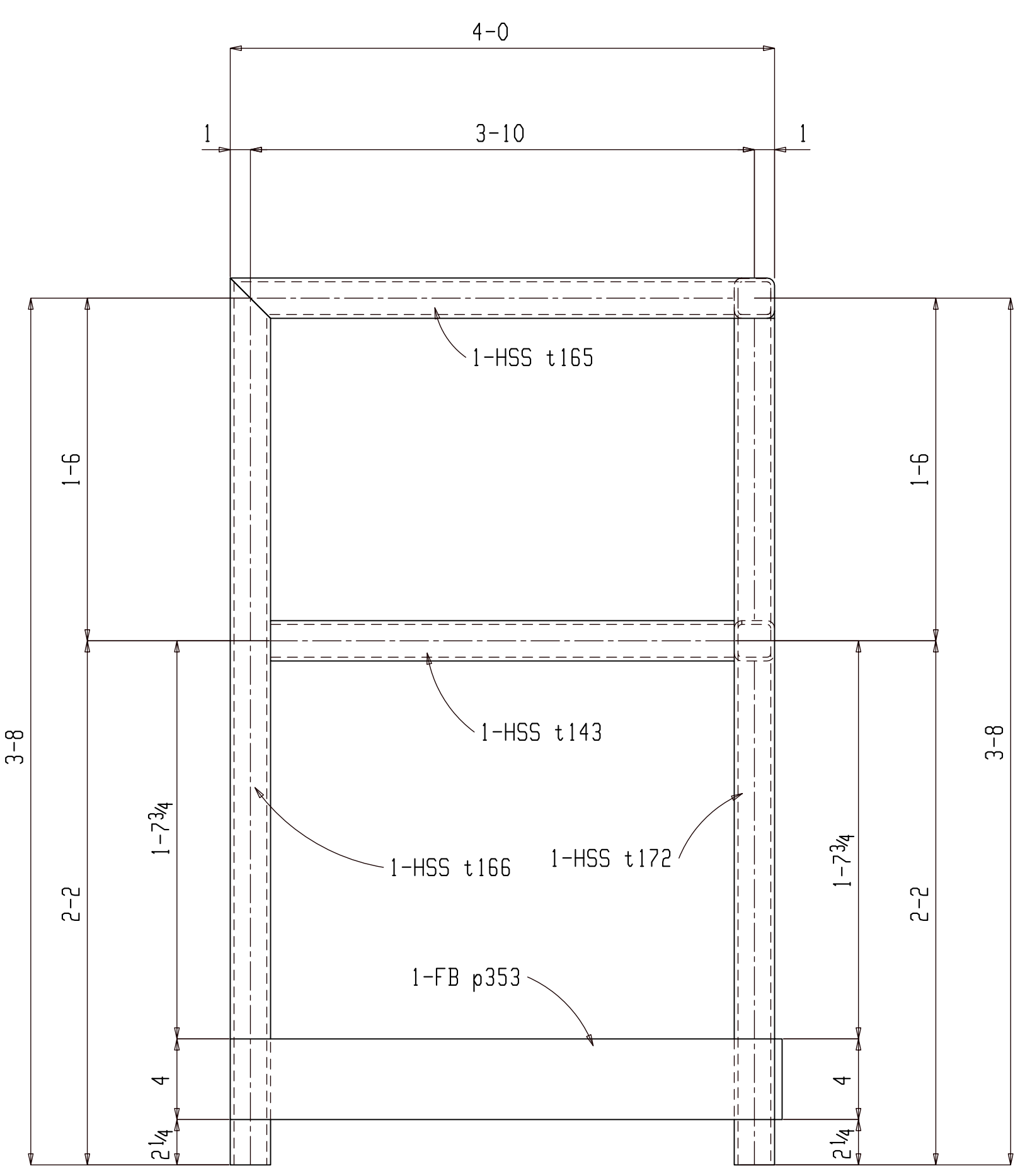




ONE HANDRAIL HR102

(ASSEMBLY REFER: AS105)

GALVANIZED



Section A-A  
HR102

FOR FABRICATION

**BILL OF MATERIAL**

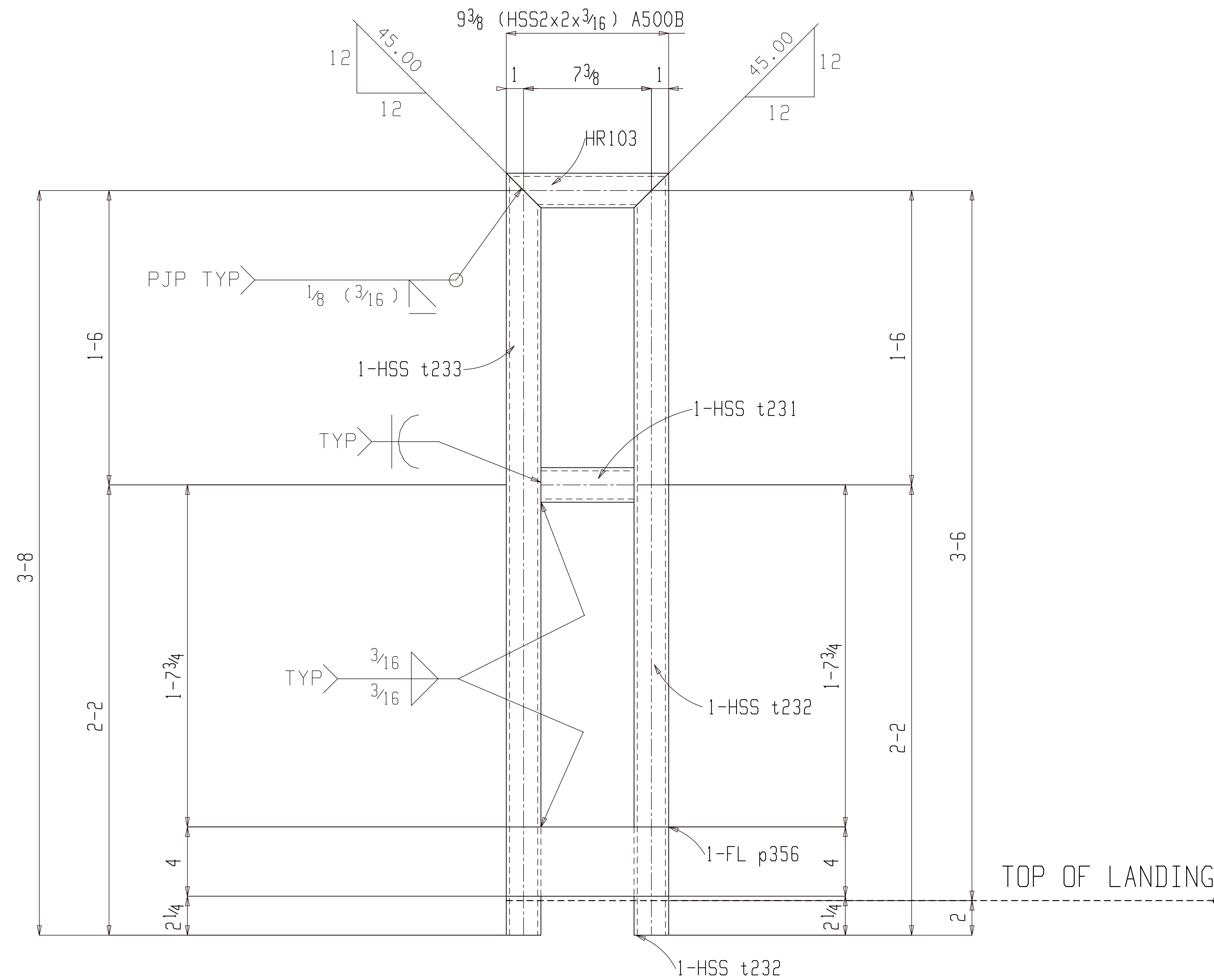
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR102		ONE	HANDRAIL		(GALV)		155
	HR102	1	HSS2x2x3/16	4-0		A500B	17
	t172	1	HSS2x2x3/16	3-7		A500B	15
	t171	1	HSS2x2x3/16	3-9		A500B	16
	t166	1	HSS2x2x3/16	3-8		A500B	16
	t165	1	HSS2x2x3/16	4-0		A500B	17
	t143	2	HSS2x2x3/16	3-8		A500B	32
	p353	1	FB3/8x4	4-0		A36	20

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	p352	1	FB3/8x4	4-0		A36	20

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	HR102
REV.			



ONE HANDRAIL HR103

(ASSEMBLY REFER: AS105)

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
	t233	1	HSS2x2x3/16	3-9		A500B	16
	t232	1	HSS2x2x3/16	3-9		A500B	16
	t231	1	HSS2x2x3/16	5 3/8		A500B	2
	p356	1	FB 3/8 x 4	9 3/8		A36	4

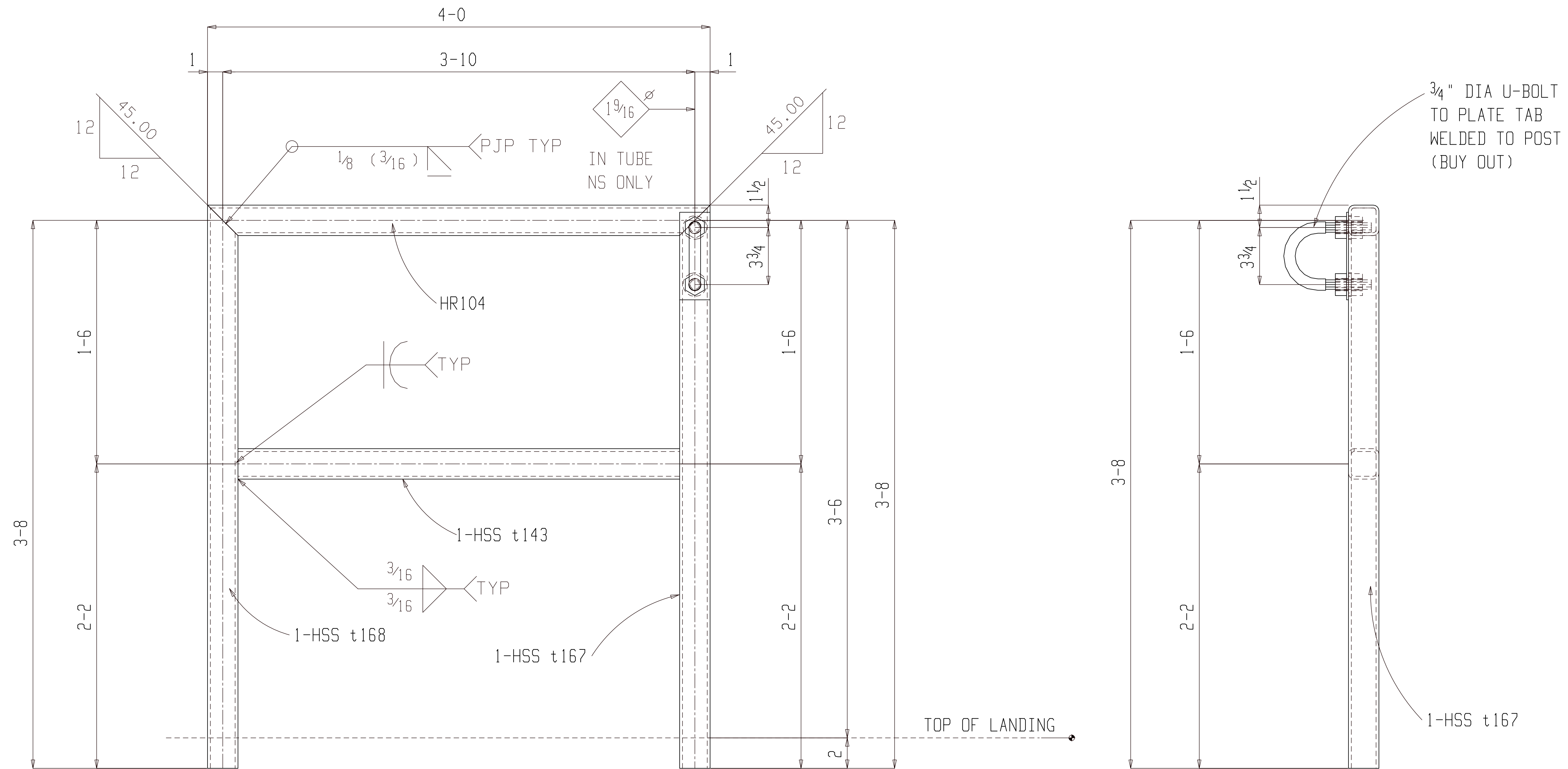
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	HR103	REV.	△



ONE HANDRAIL HR104

(ASSEMBLY REFER: AS104)

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
	t168	1	HSS2x2x3/16	3-9		A500B	16
	t167	1	HSS2x2x3/16	3-9		A500B	16
	t143	1	HSS2x2x3/16	3-8		A500B	16
		1	3/4" Dia U-BOLT		(BUY OUT)		

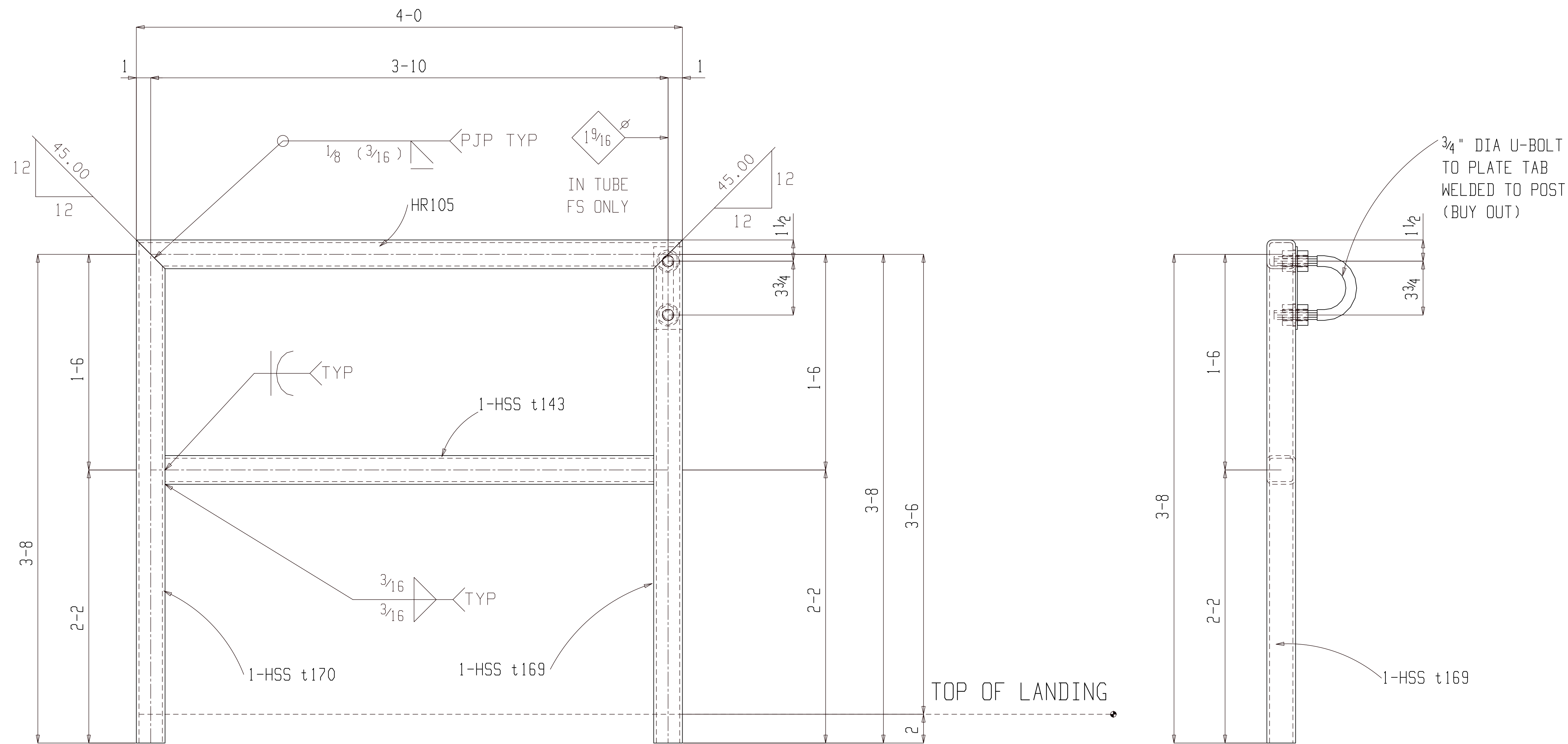
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	HR104	REV.	△



ONE HANDRAIL HR105

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

**BILL OF MATERIAL**

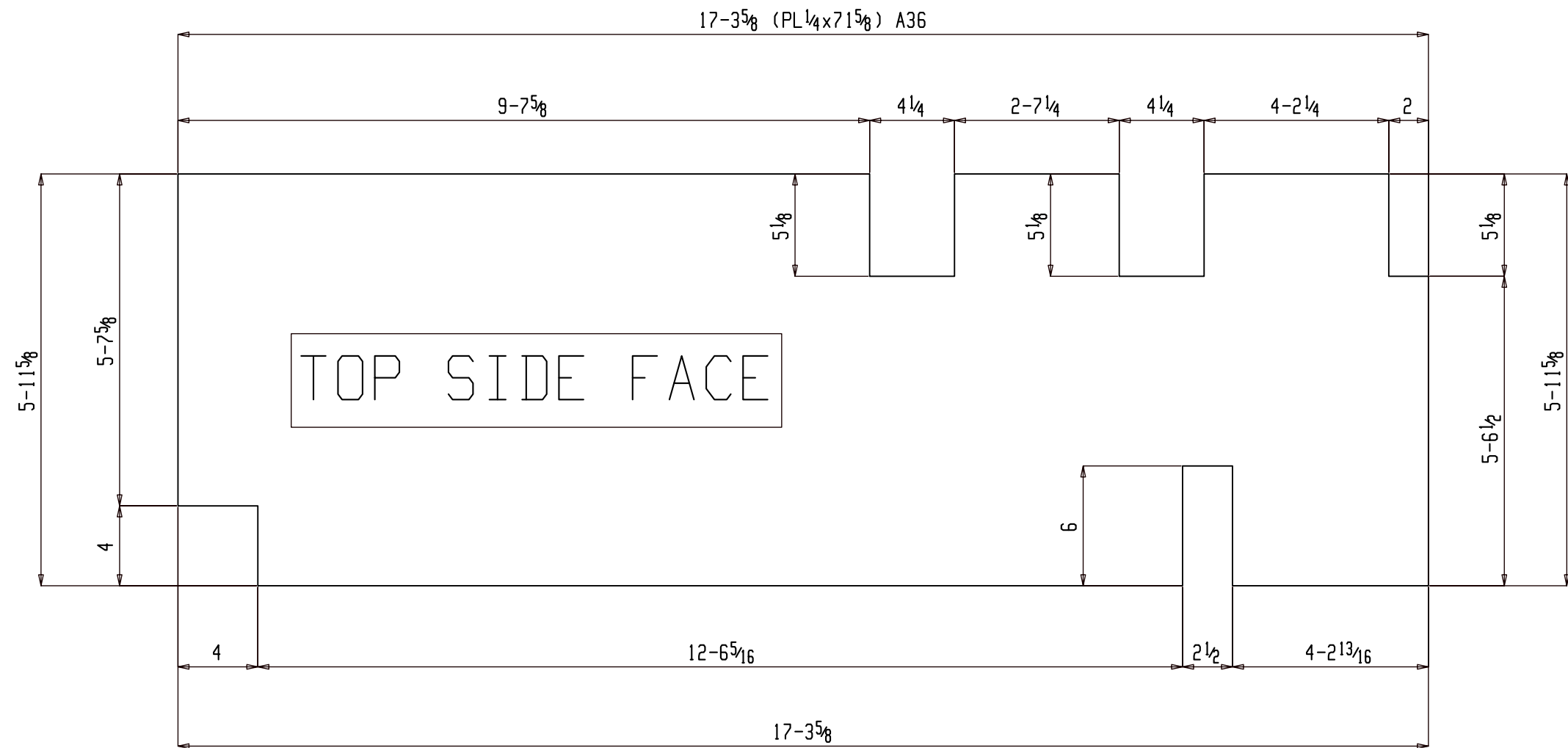
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
HR105		ONE	HANDRAIL		(GALV)		66
	HR105	1	HSS2x2x3/16	4-0		A500B	17
	t170	1	HSS2x2x3/16	3-9		A500B	16
	t169	1	HSS2x2x3/16	3-9		A500B	16
	t143	1	HSS2x2x3/16	3-8		A500B	16
		1	3/4" Dia U-BOLT		(BUY OUT)		

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	HANDRAIL DETAIL	SHEET NO.:	HR105
		REV:	△



ONE PLATE M101

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

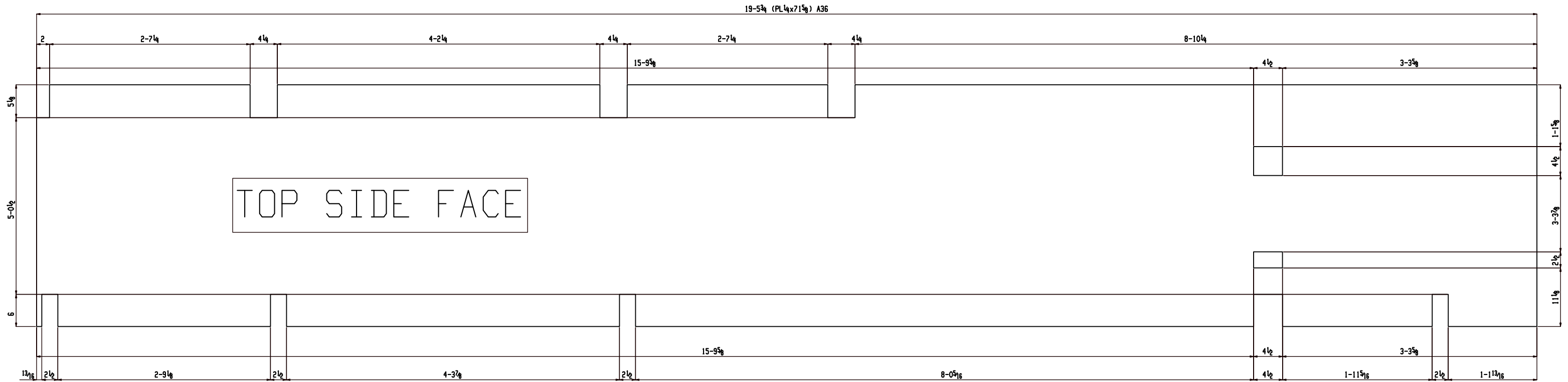
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M101		ONE	PLATE				1054
	M101	1	PL 1/4 x 7 15/8	17-35/8		A36	1054

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M101	REV	△



ONE PLATE M102  
 (ASSEMBLY REFER: AS101)  
 NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

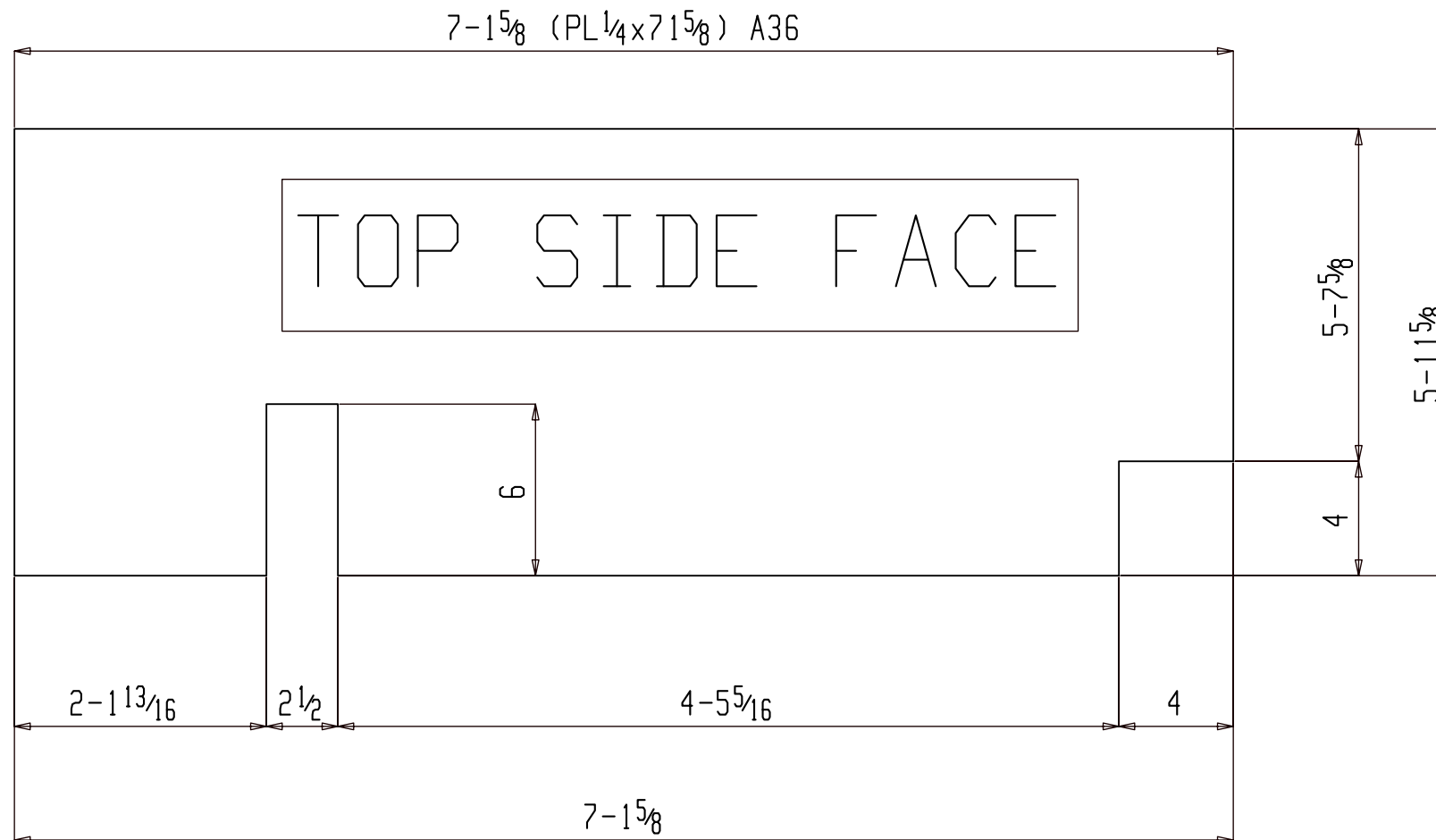
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M102		ONE	PLATE				1187
	M102	1	PL 1/4 x 7 1/8	19-5 3/4		A36	1187

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M102	REV	△



ONE PLATE M103

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

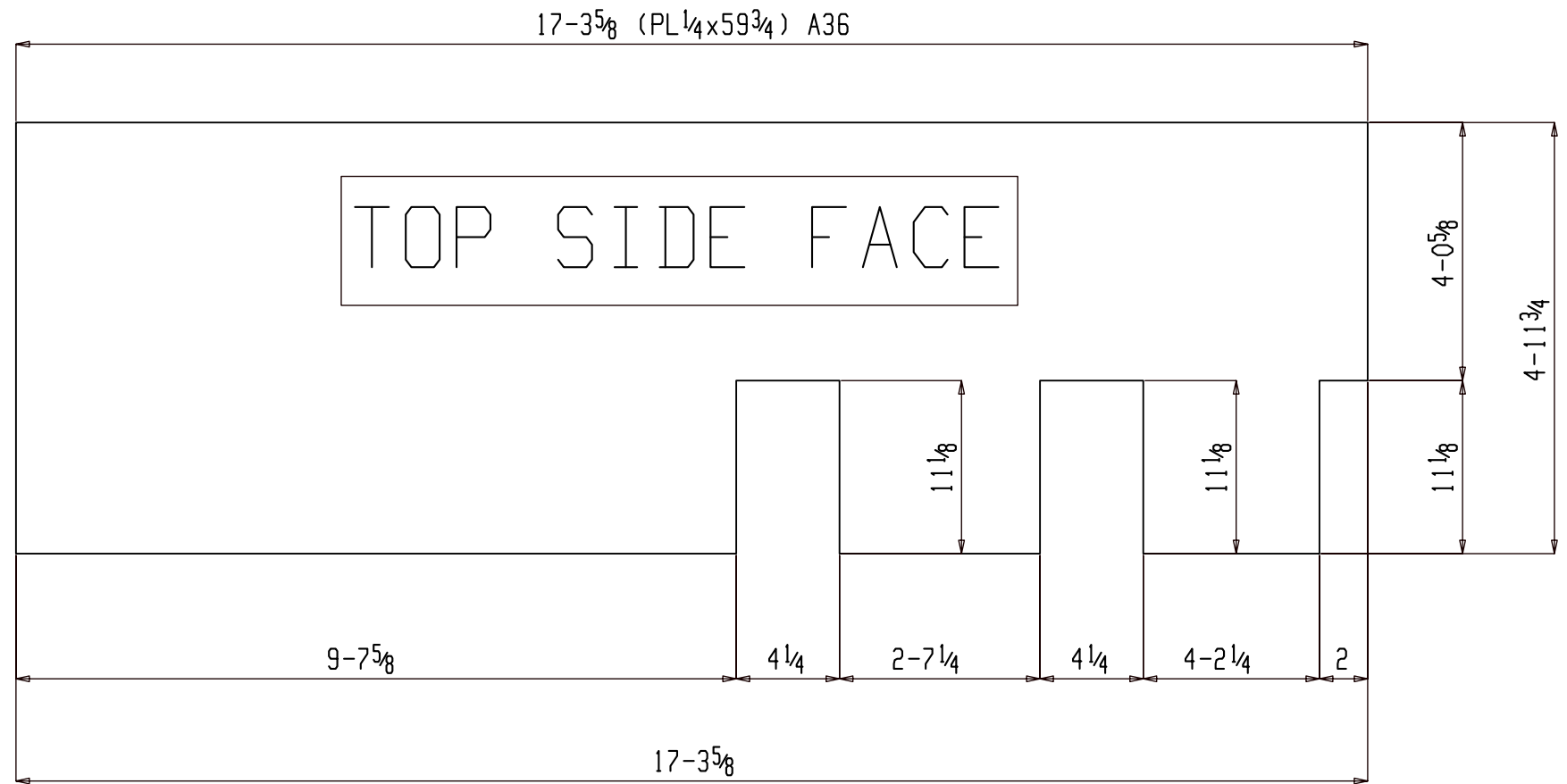
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M103		ONE	PLATE				435
	M103	1	PL 1/4x7 15/8	7-15/8		A36	435

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M103	REV	△



TOP SIDE FACE

ONE PLATE M104

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M104		ONE	PLATE				879
	M104	1	PL 1/4x59 3/4	17-35/8		A36	879

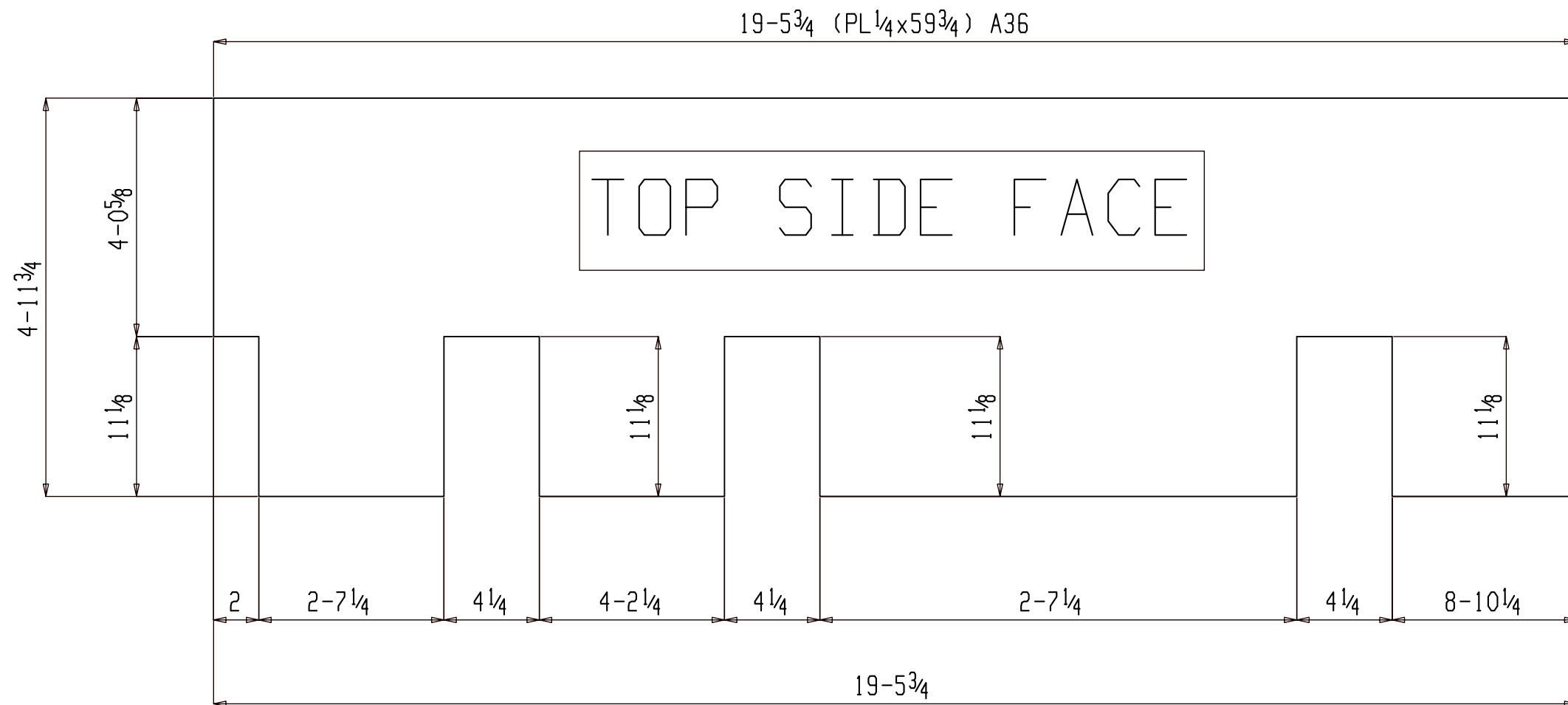
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M104	REV	△





TOP SIDE FACE

ONE PLATE M105

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M105		ONE	PLATE				990
	M105	1	PL 1/4x59 3/4	19-5 3/4		A36	990

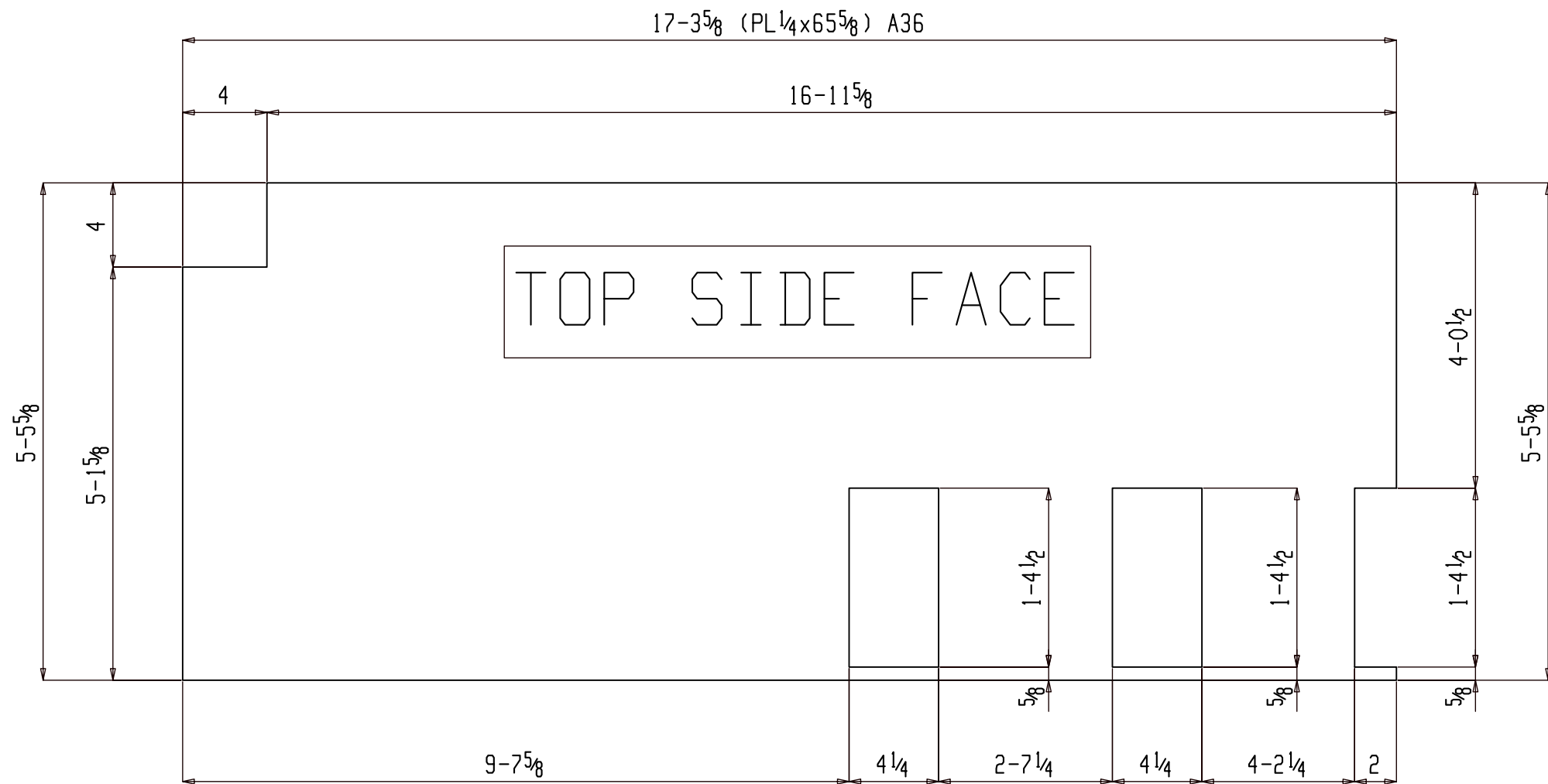
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M105	REV	△





TOP SIDE FACE

ONE PLATE M107

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

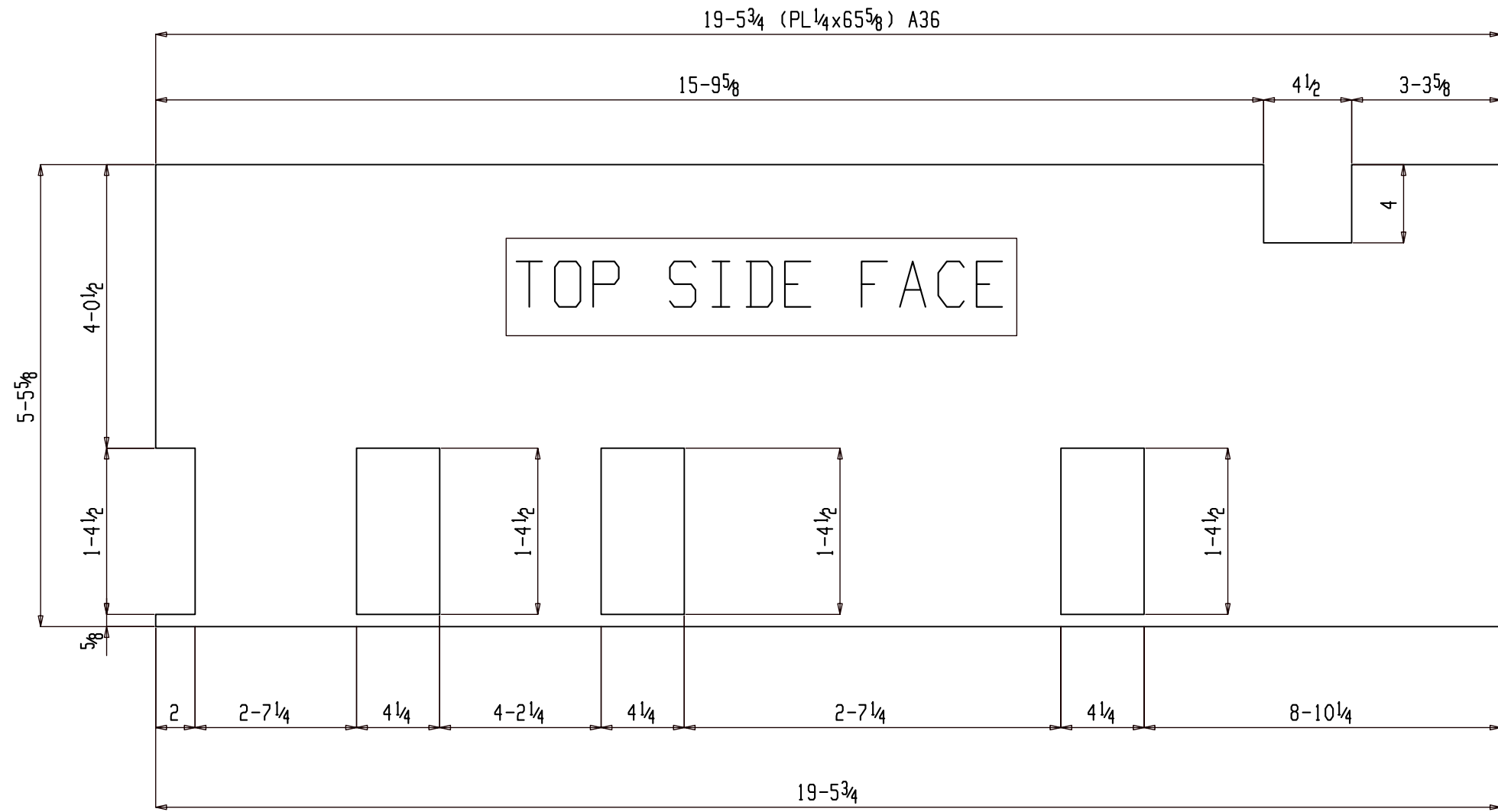
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M107		ONE	PLATE				966
	M107	1	PL 1/4x65 5/8	17-3 5/8		A36	966

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M107	REV	△



TOP SIDE FACE

ONE PLATE 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	PLATE				1087
	M108	1	PL 1/4x65 5/8	19-5 3/4		A36	1087

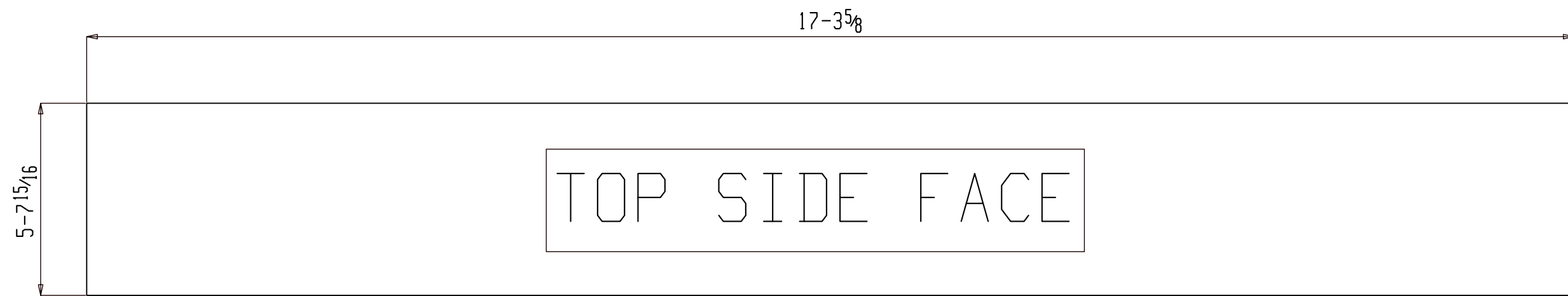
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M108	REV	△





ONE PLATE M110

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M110		ONE	PLATE				299
	M110	1	PL14GAx67 <sup>15</sup> / <sub>16</sub>	17-3 <sup>5</sup> / <sub>8</sub>			299

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M110
		REV	△



ONE PLATE M111

(ASSEMBLY REFER: AS101)

FOR FABRICATION

NO PAINT

SHOP NOTES:

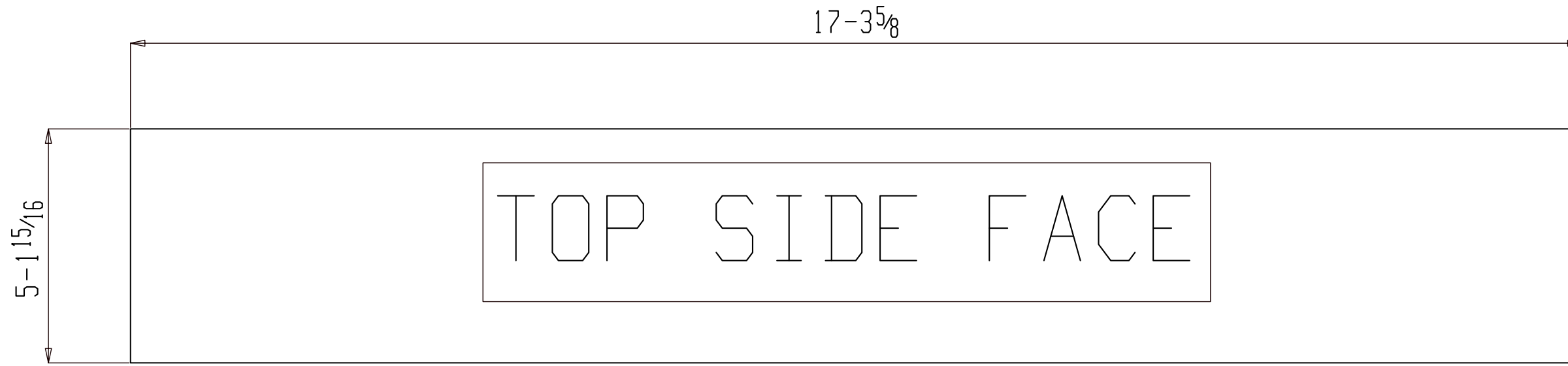
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M111		ONE	PLATE				263
	M111	1	PL14GAx593/4	17-35/8			263

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M111
		REV	△



ONE PLATE M112

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

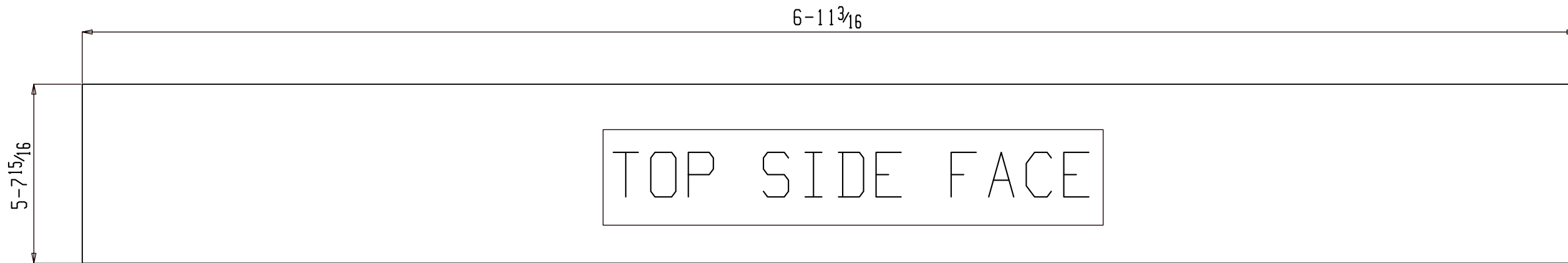
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M112		ONE	PLATE				272
	M112	1	PL14GAx61 15/16	17-35/8			272

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M112
		REV	△





ONE PLATE M113

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

### BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M113		ONE	PLATE				120
	M113	1	PL14GAx67 <sup>15</sup> / <sub>16</sub>	6-11 <sup>3</sup> / <sub>16</sub>			120

### 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:	NAPASKIAK 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	460	SHEET NO.	M113	REV	△



ONE PLATE M114

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

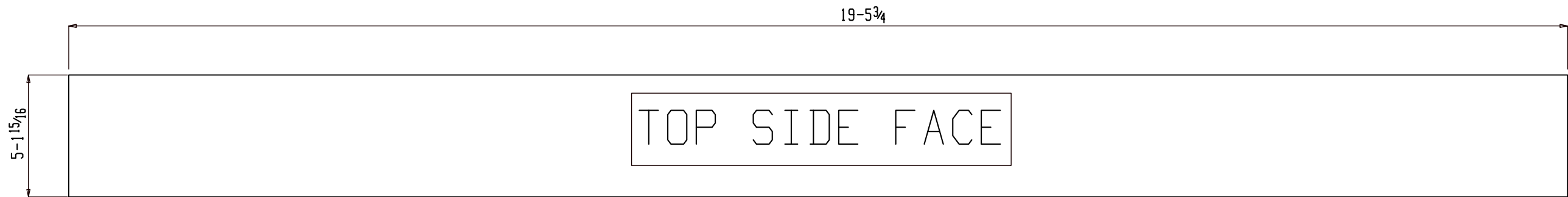
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M114		ONE	PLATE				296
	M114	1	PL14GAx59 <sup>3</sup> / <sub>4</sub>	19-5 <sup>3</sup> / <sub>4</sub>			296

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. M114
			REV △



ONE PLATE M115

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

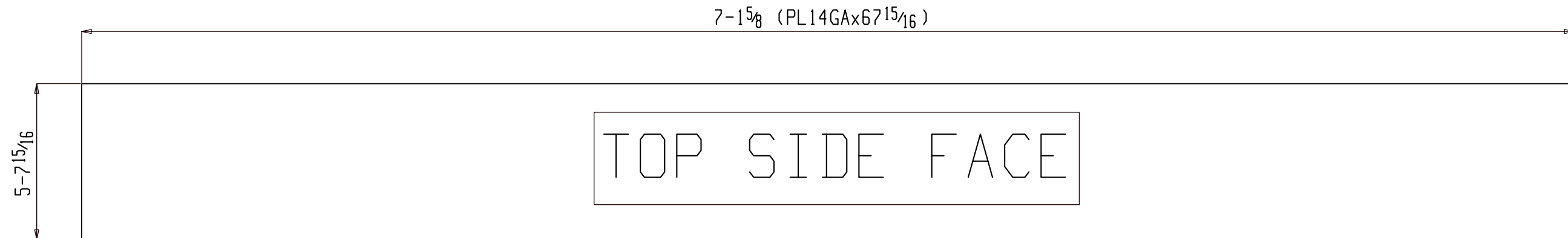
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M115		ONE	PLATE				307
	M115	1	PL14GAx61 <sup>15</sup> / <sub>16</sub>	19-5 <sup>3</sup> / <sub>4</sub>			307

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M115
		REV	△



ONE PLATE 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	PLATE				123
	M116	1	PL14GAx67 <sup>15</sup> / <sub>16</sub>	7-1 <sup>5</sup> / <sub>8</sub>			123

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M116
		REV	△



ONE PLATE M117

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M117		ONE	PLATE				108
	M117	1	PL14GAx59 3/4	7-15/8			108

**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:	NAPASKIAK 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	460	SHEET NO.	M117	REV	△



ONE PLATE M118

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

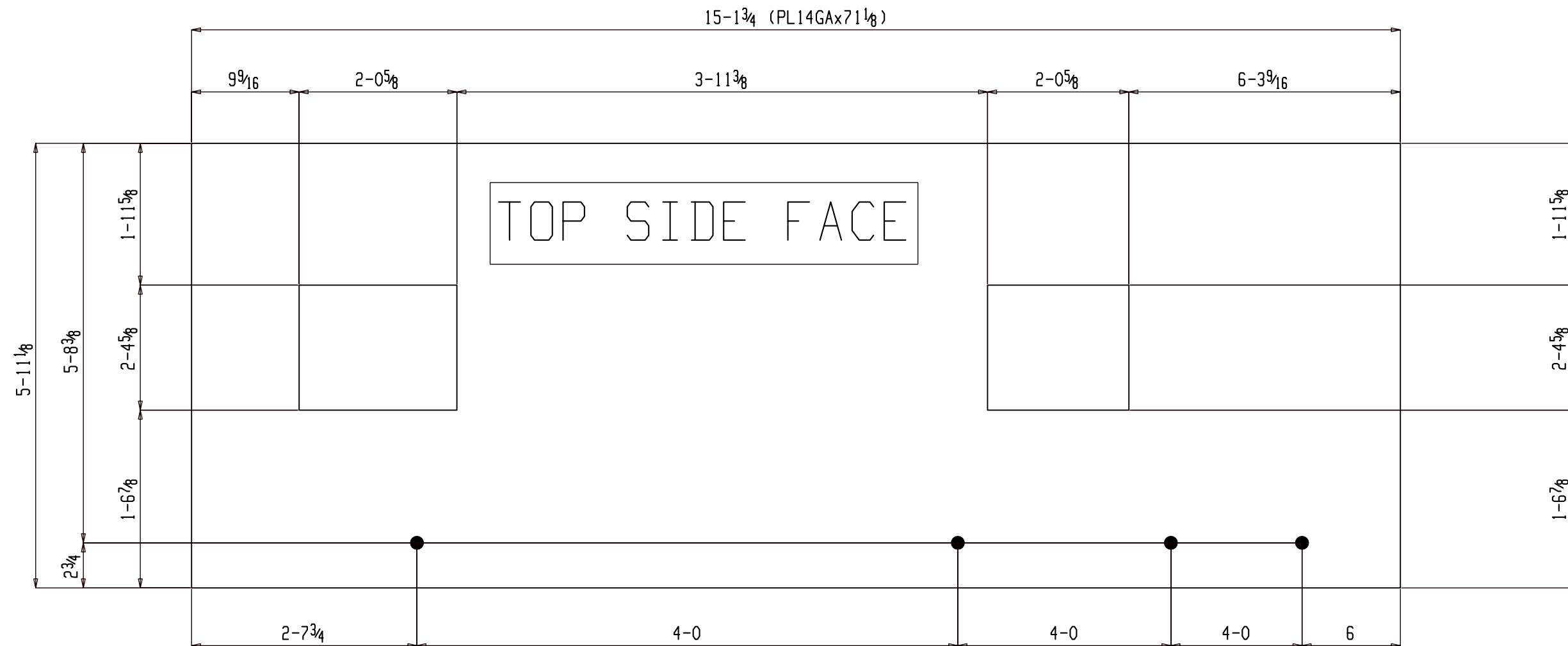
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M118		ONE	PLATE				112
	M118	1	PL14GAx61 15/16	7 - 15/8			112

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M118
		REV	△





ONE PLATE M120

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

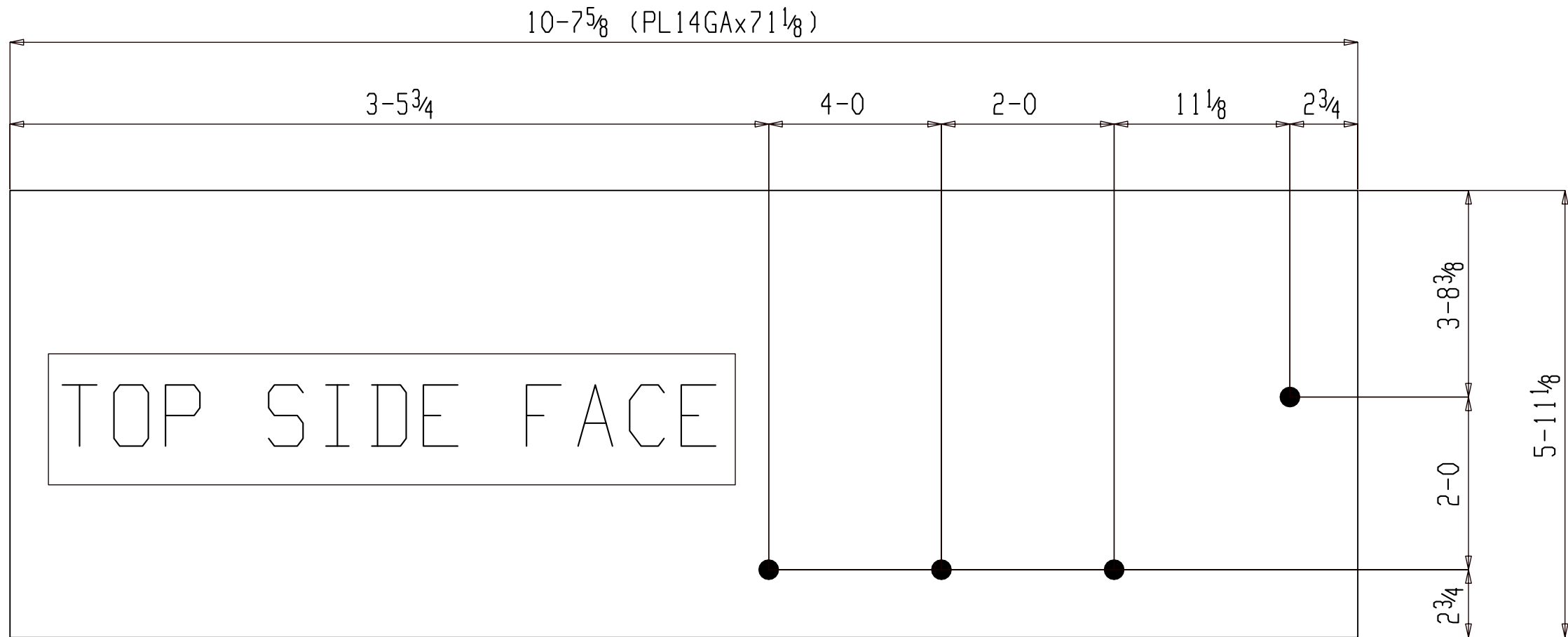
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M120		ONE	PLATE				274
	M120	1	PL14GAx71 1/8	15-1 3/4			274

**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:	NAPASKIAK 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	460	SHEET NO.	M120	REV	△





ONE PLATE M121

(ASSEMBLY REFFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

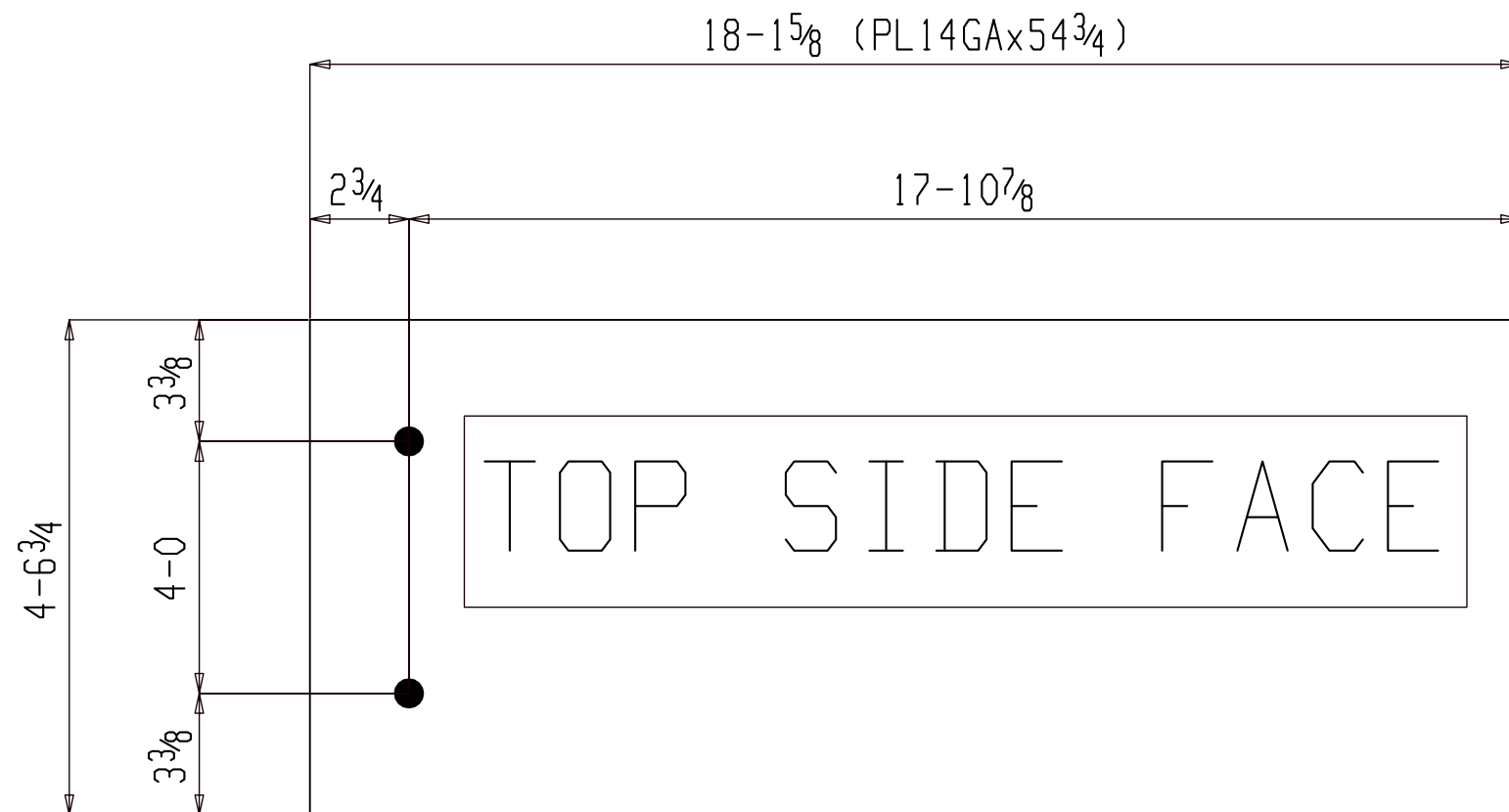
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M121		ONE	PLATE				192
	M121	1	PL14GAx71 1/8	10-7 5/8			192

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M121	REV	△



ONE PLATE M122

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

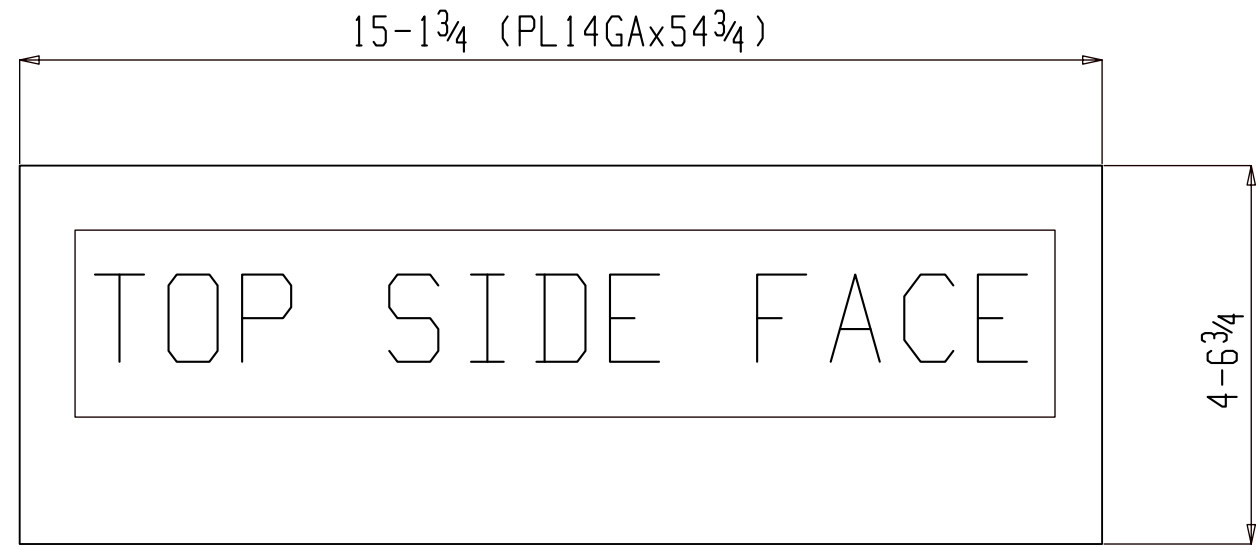
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M122		ONE	PLATE				252
	M122	1	PL14GAx54 3/4	18-15 8			252

**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:	NAPASKIAK 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	460	SHEET NO.	M122	REV	△



ONE PLATE M123

(ASSEMBLY REFER:AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

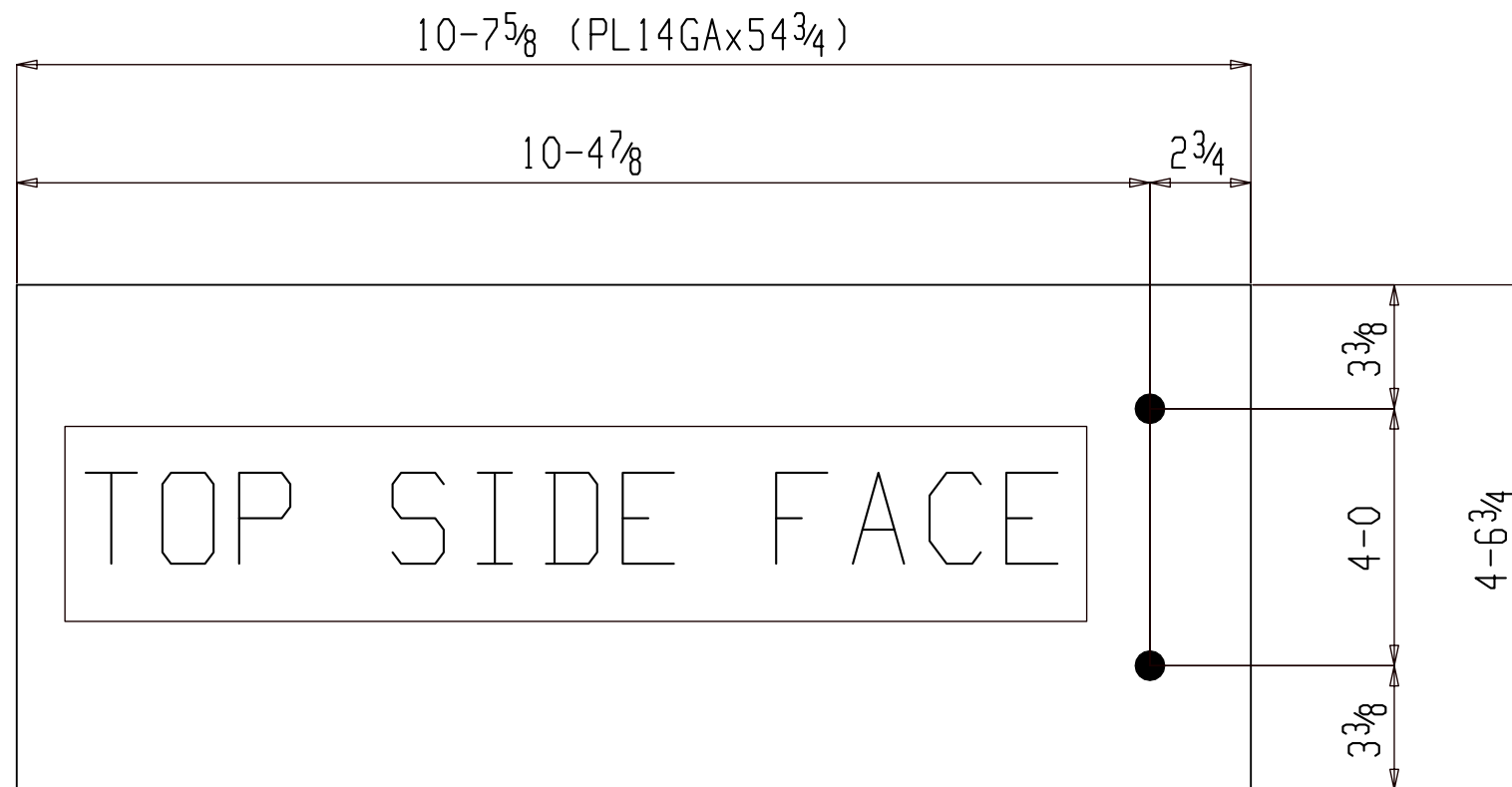
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M123		ONE	PLATE				211
	M123	1	PL14GAx54 <sup>3</sup> / <sub>4</sub>	15-1 <sup>3</sup> / <sub>4</sub>			211

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. M123
			REV △



ONE PLATE M124

((ASSEMBLY REFER:AS101))

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

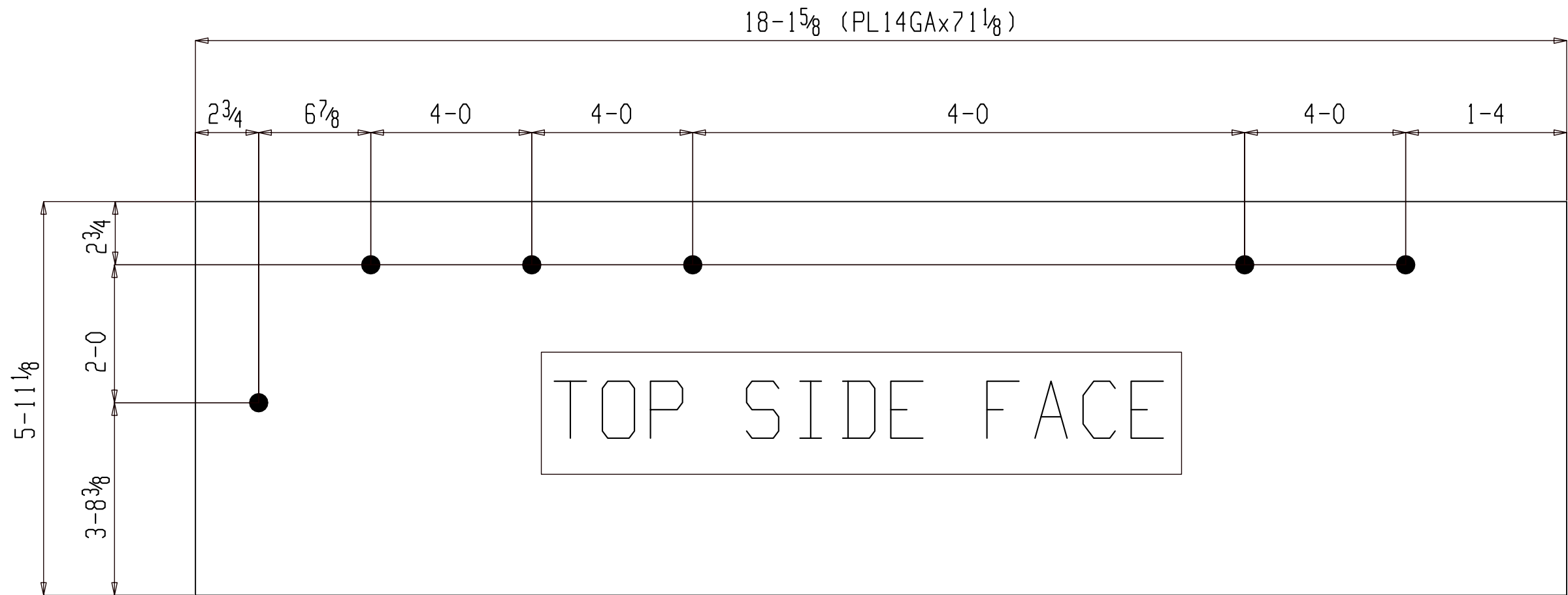
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M124		ONE	PLATE				148
	M124	1	PL14GAx54 <sup>3</sup> / <sub>4</sub>	10-7 <sup>5</sup> / <sub>8</sub>			148

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :		
DEG REF. SPEC. / DWG :		
△		
△	For Fabrication	ALN 07-21-22
△	For Re-Approval	ALN 07-13-22
△	For Approval	ALN 07-06-22
REV.	DESCRIPTION	BY DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M124	REV	△



ONE PLATE M125

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

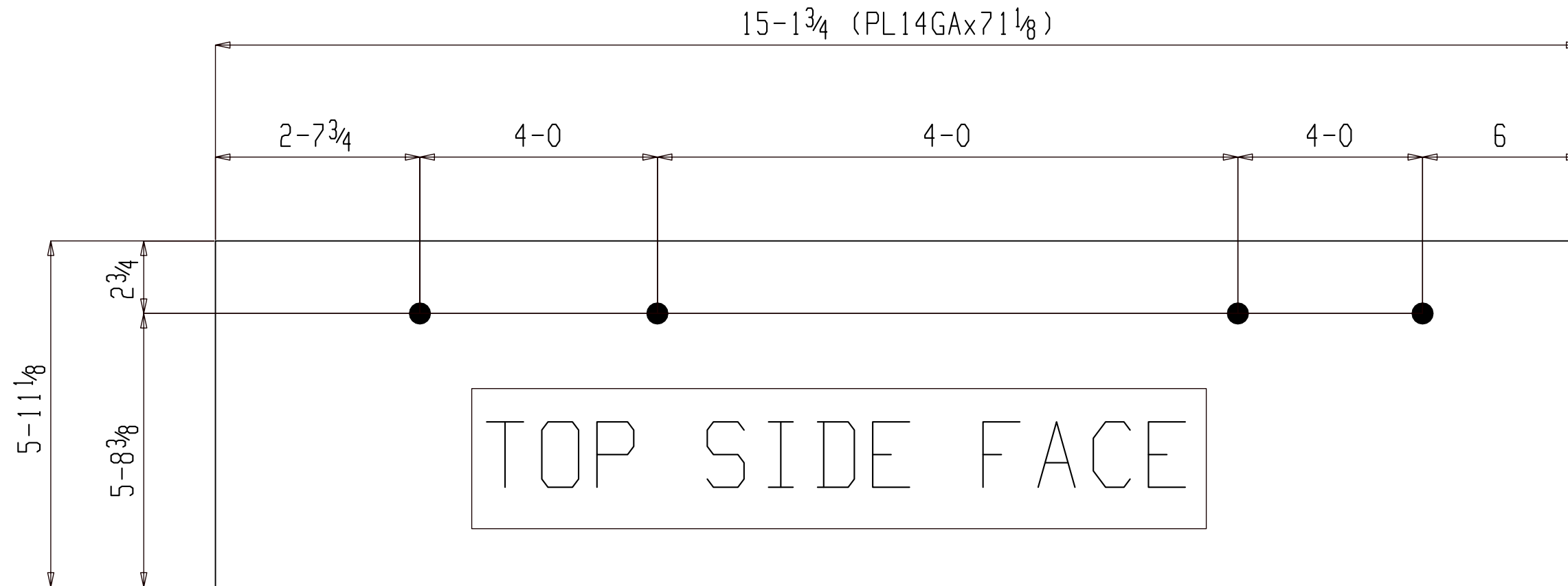
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M125		ONE	PLATE				328
	M125	1	PL14GAx71 1/8	18-15 5/8			328

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M125	REV	△



ONE PLATE M126

(ASSEMBLY REFFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

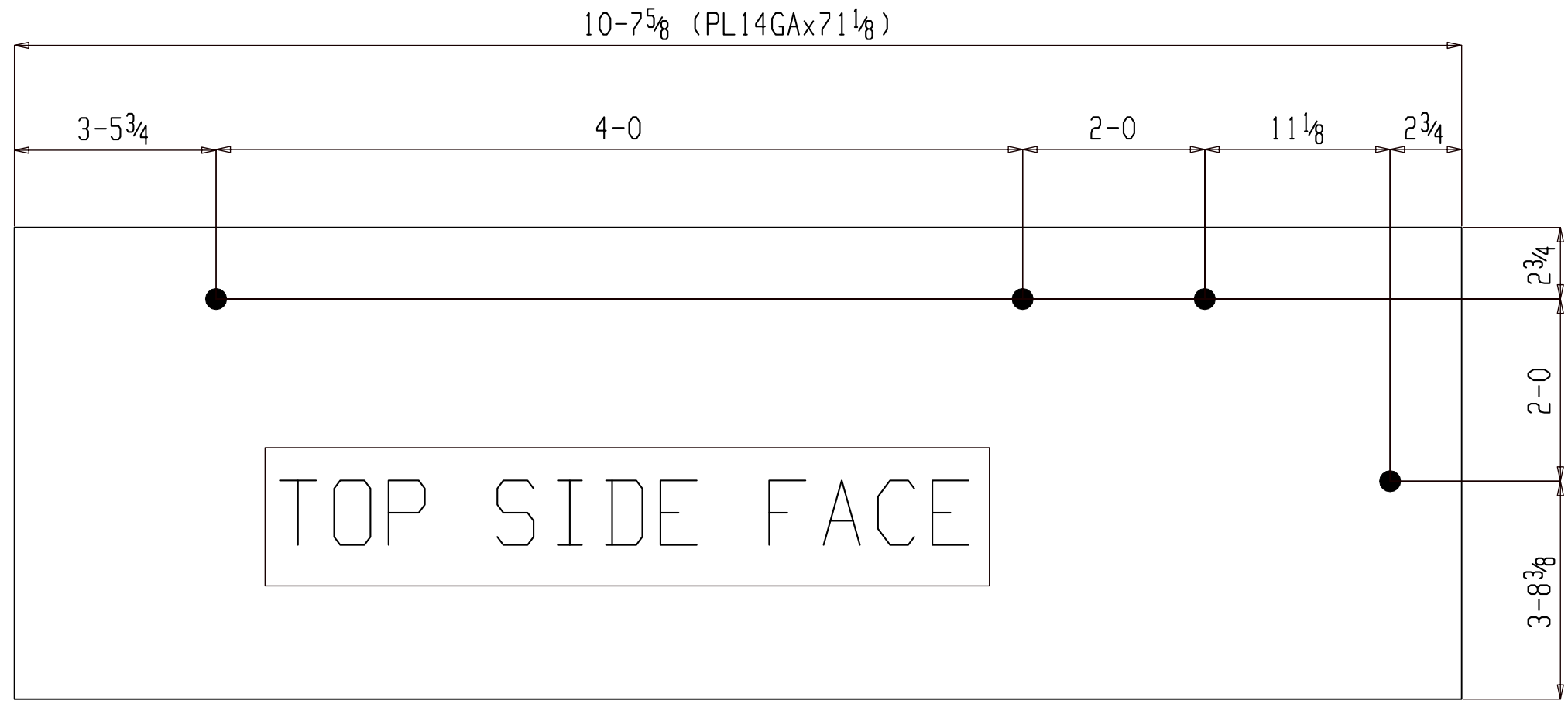
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M126		ONE	PLATE				274
	M126	1	PL14GAx71 1/8	15-13/4			274

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M126	REV	△



ONE PLATE M127

(ASSEMBLY REFER:AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

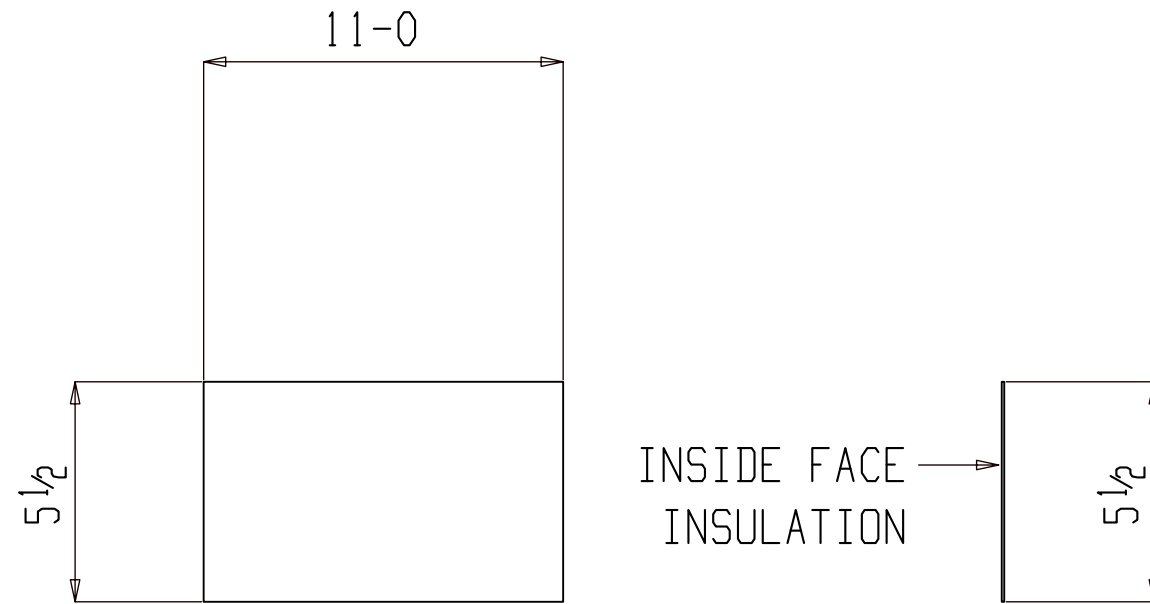
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M127		ONE	PLATE				192
	M127	1	PL14GAx71 1/8	10-75/8			192

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M127	REV	△



ONE MISC M128

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

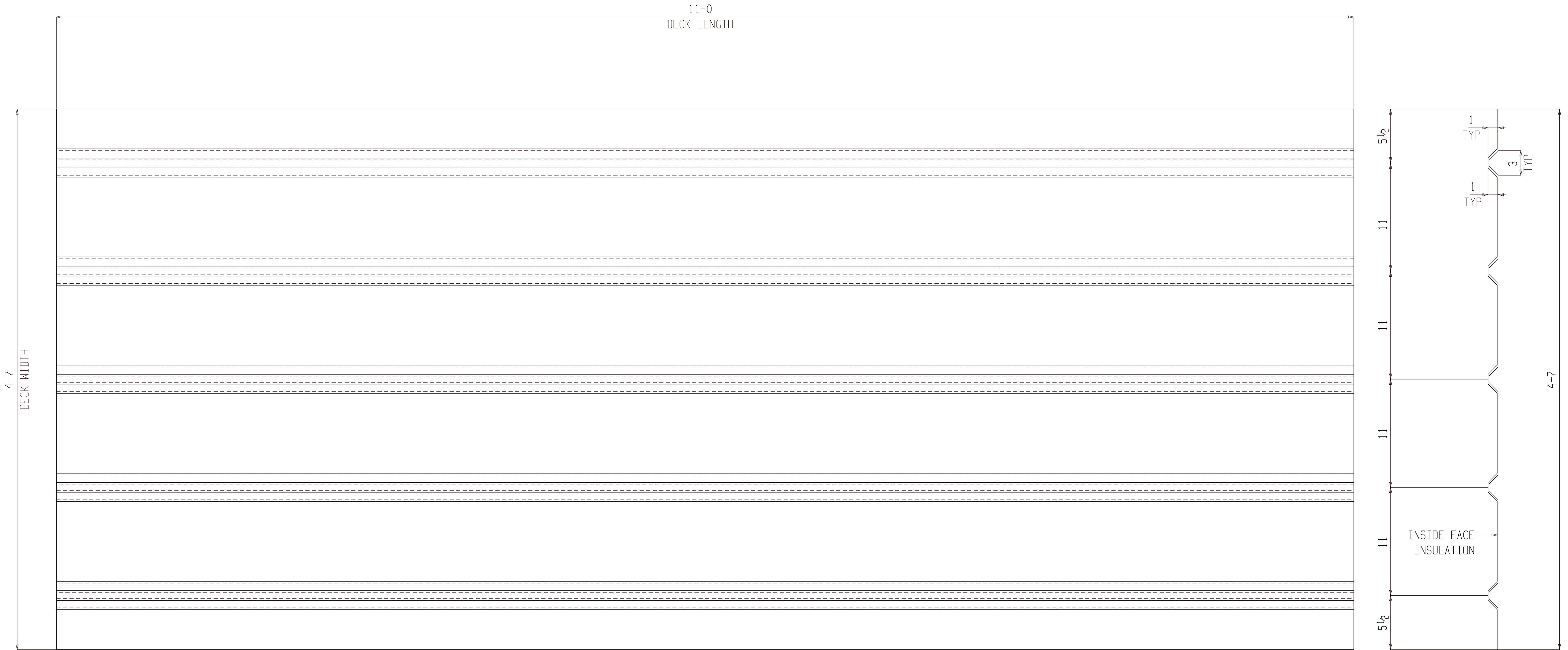
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M128		ONE	MISC				13
	M128	1	14GAx5 1/2	11-0			13

**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:	NAPASKIAK 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	460	SHEET NO.	M128	REV	△





3 CORRUGATED PLATES M129

(ASSEMBLY REFER: AS101)

NO PAINT

**FOR FABRICATION**

**BILL OF MATERIAL**

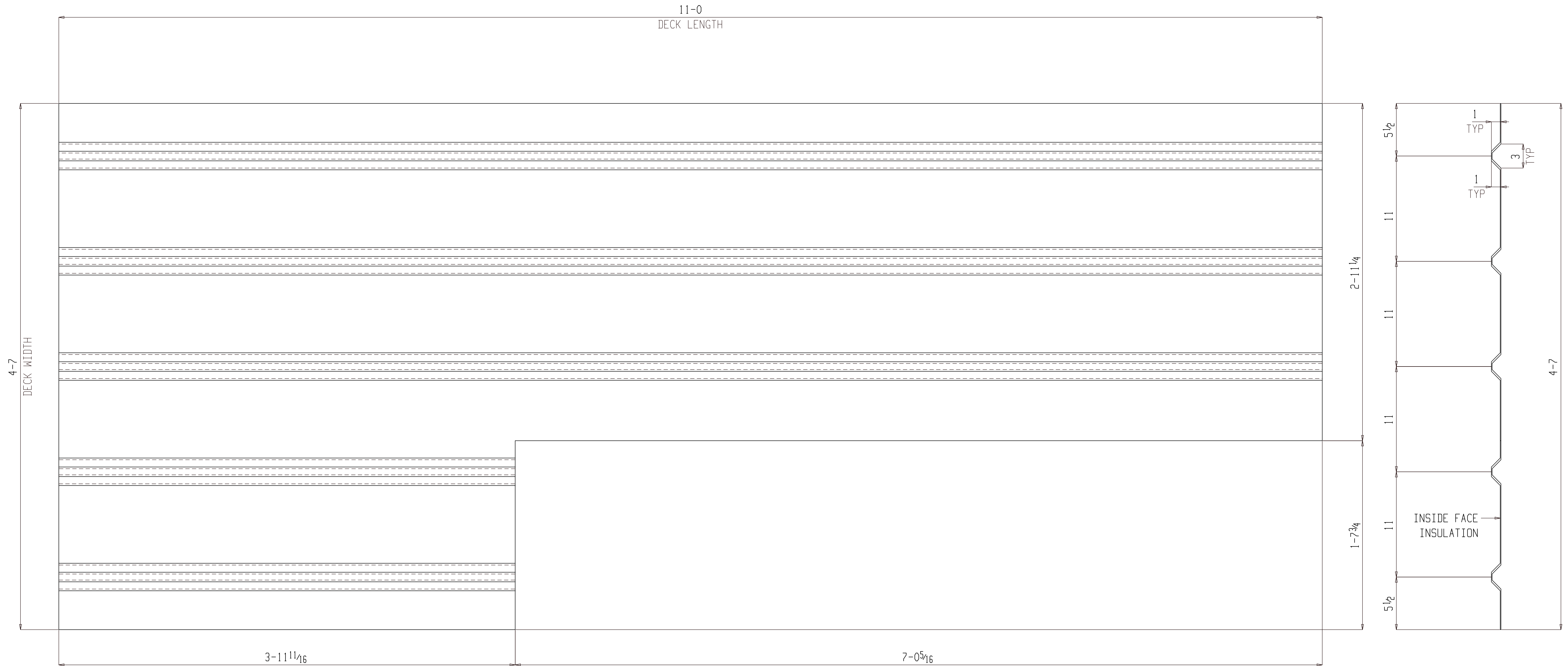
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M129		3	CORRUGATED PLATE				461
	M129	3	PL 14GAx55	11-0			461

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M129
REV.	△		



ONE CORRUGATED PLATE M130

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

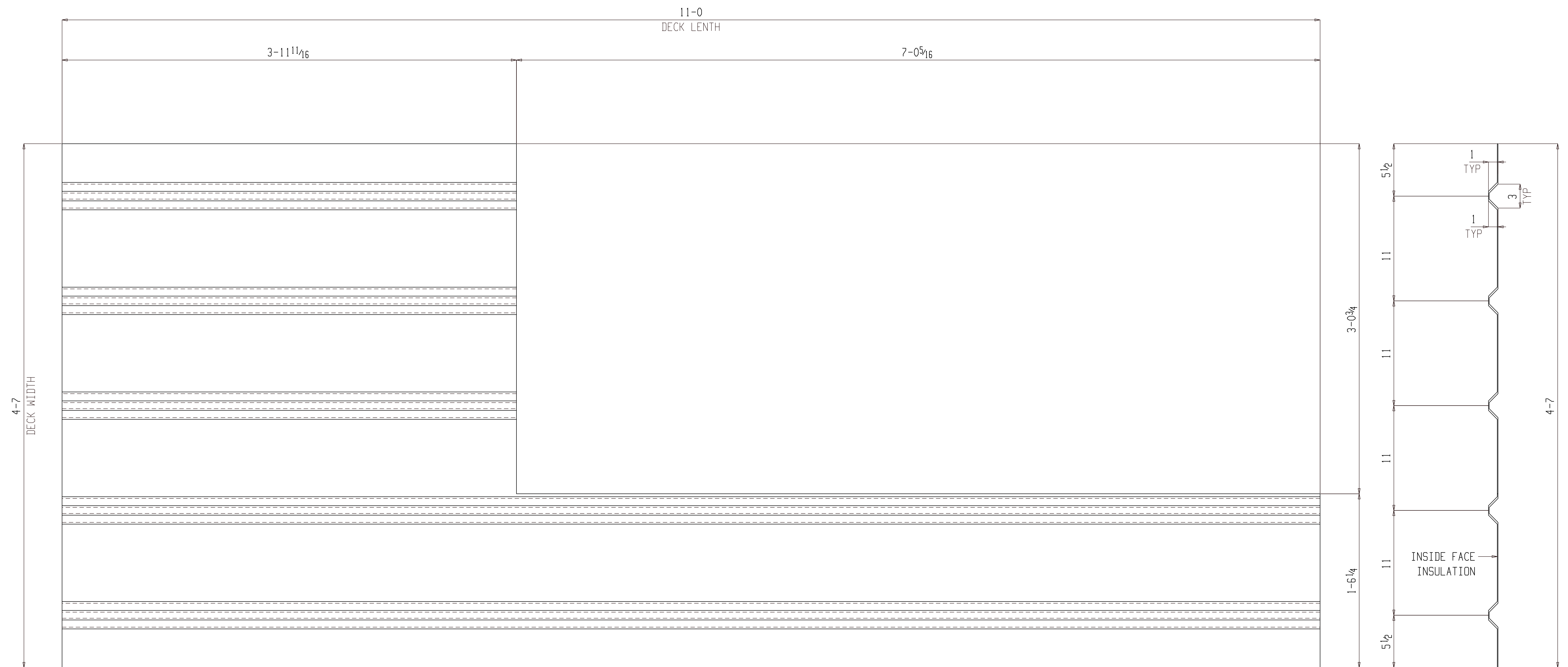
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M130		ONE	CORRUGATED PLATE				154
	M130	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M130
		REV	△



ONE CORRUGATED PLATE M131

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

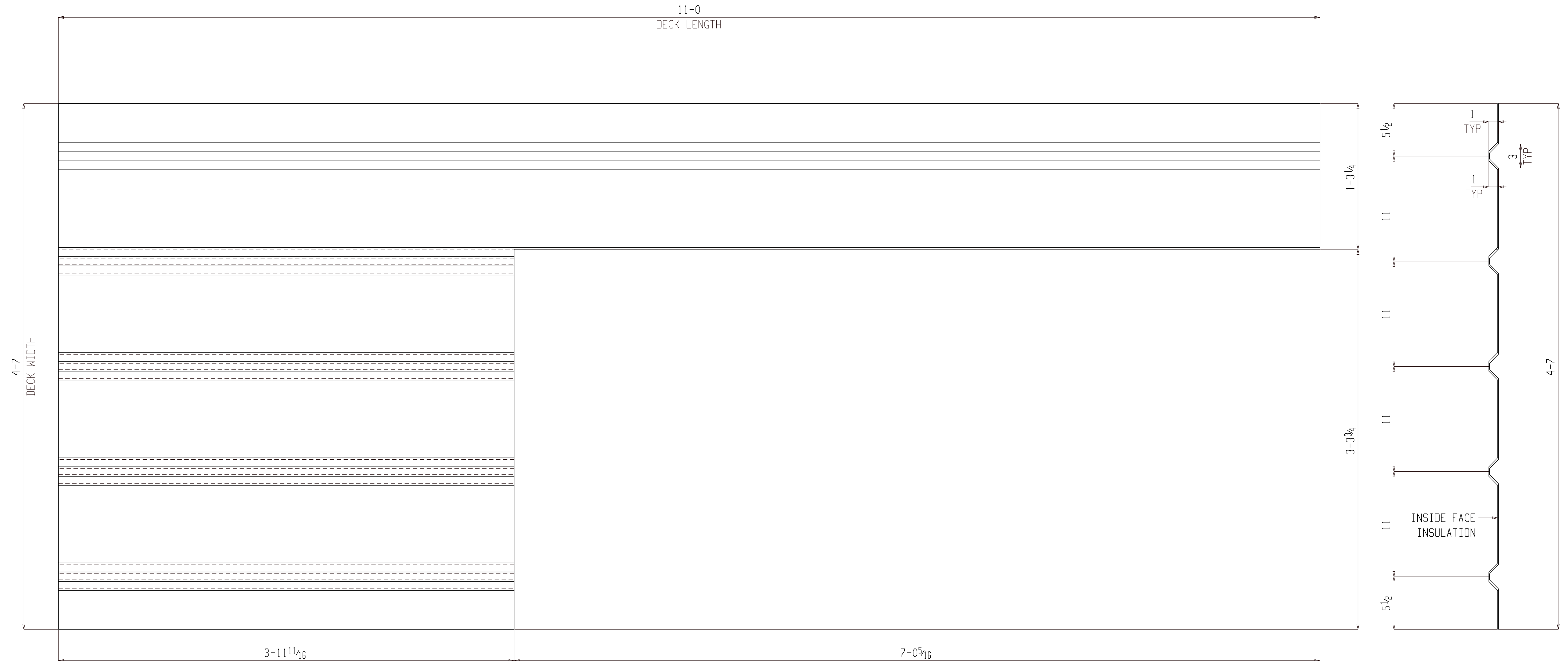
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M131		ONE	CORRUGATED PLATE				154
	M131	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M131
		REV	△



ONE CORRUGATED PLATE M132

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

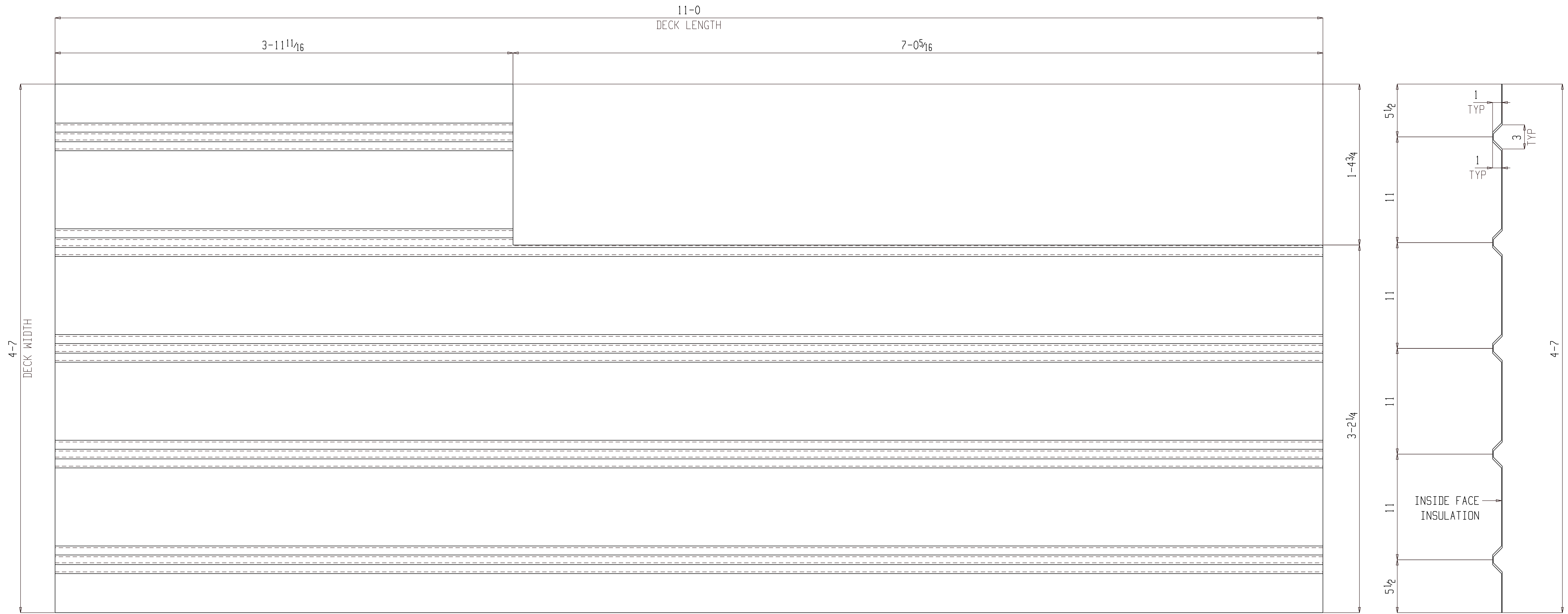
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M132		ONE	CORRUGATED PLATE				154
	M132	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M132
REV.	△		



ONE CORRUGATED PLATE M133

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

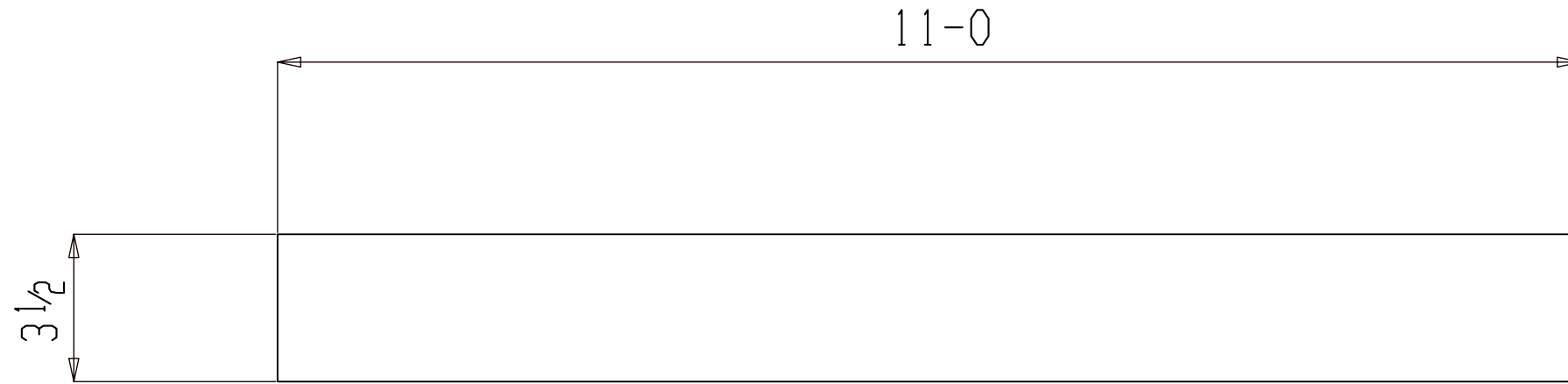
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M133		ONE	CORRUGATED PLATE				154
	M133	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	MISC. DETAIL	SHEET NO.:	M133
		REV	△



ONE MISC M134

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

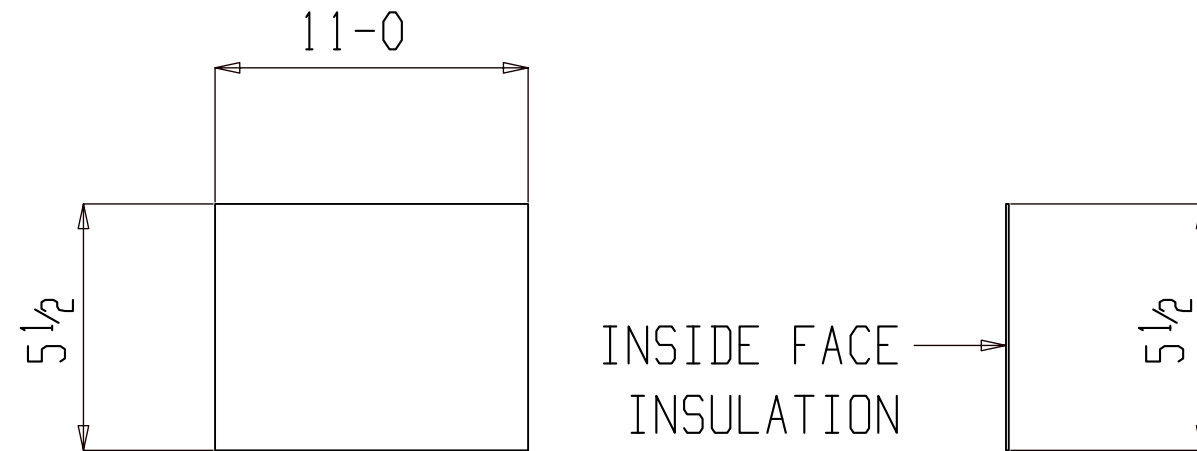
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M134		ONE	MISC				8
	M134	1	14GAx3 1/2	11-0			8

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M134
		REV	△



3 MISCS M135

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

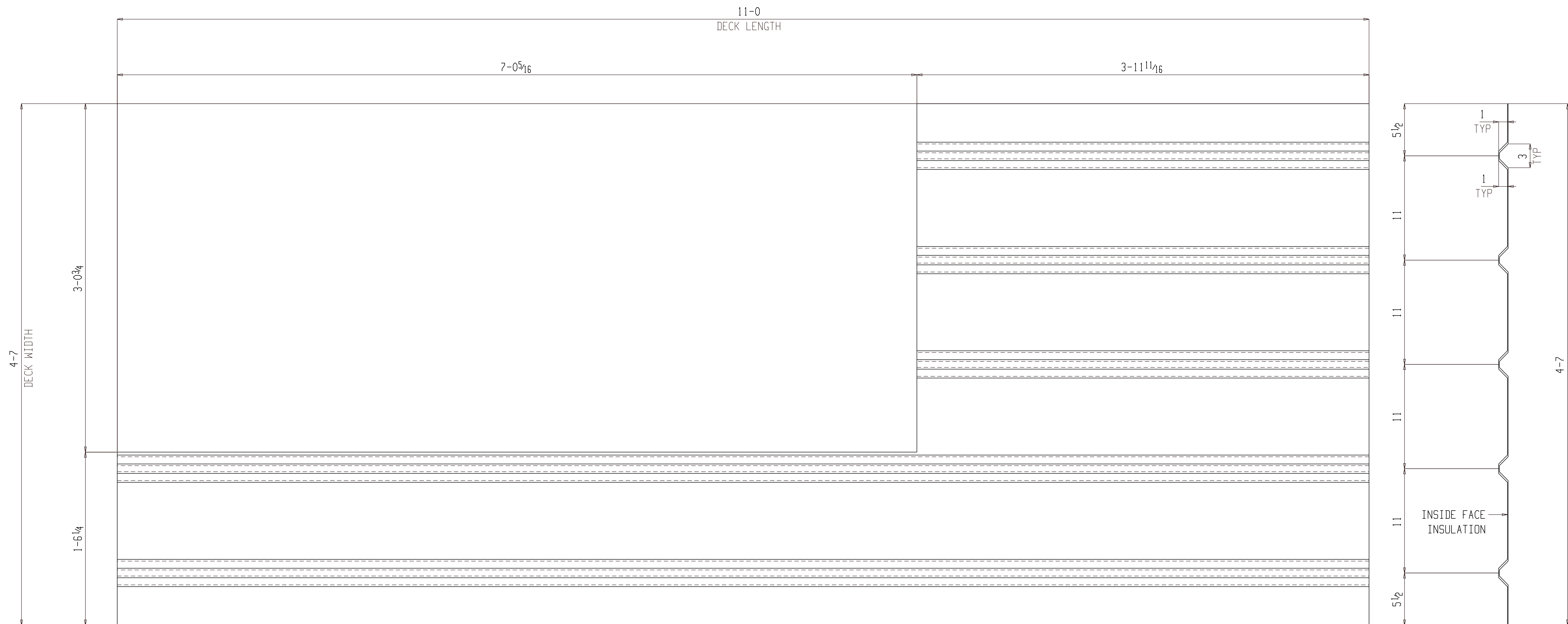
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M135		3	MISC				39
	M135	3	14GAx5 1/2	11-0			39

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		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				154
	M136	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

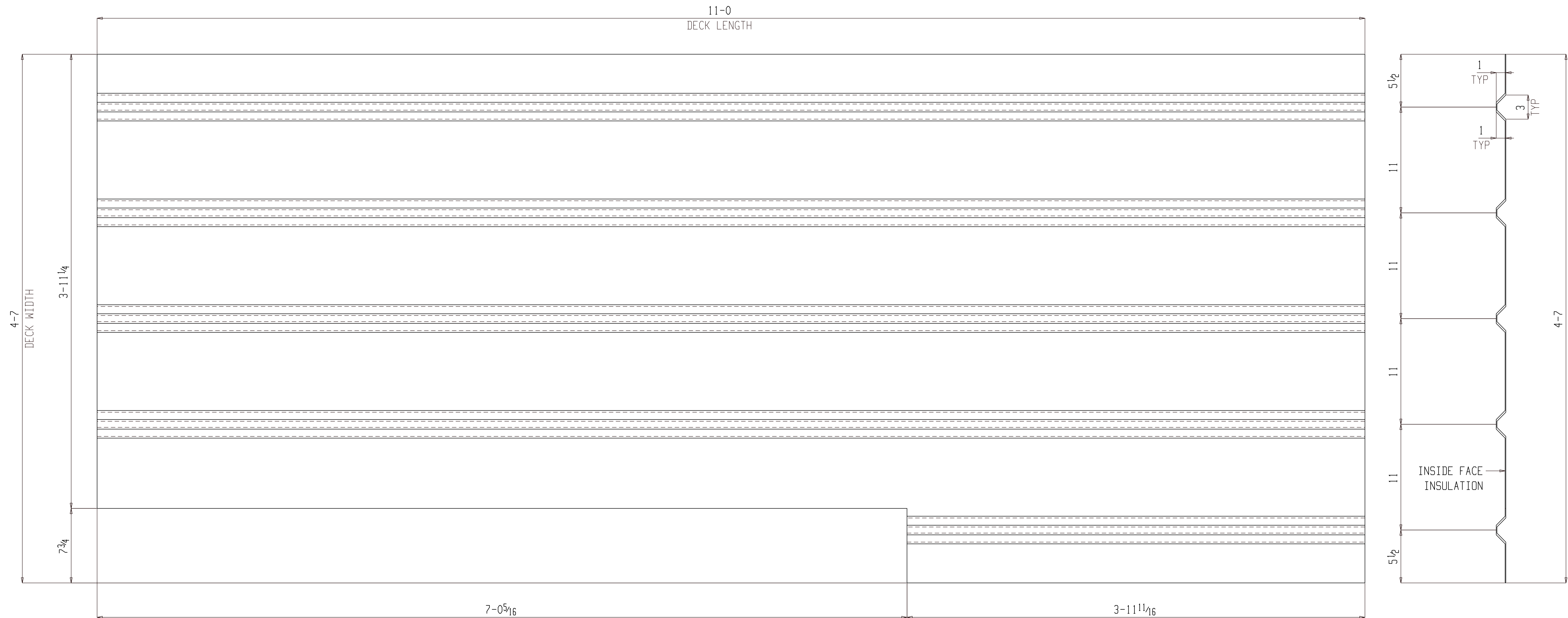
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M136	REV	△





ONE CORRUGATED PLATE M137

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

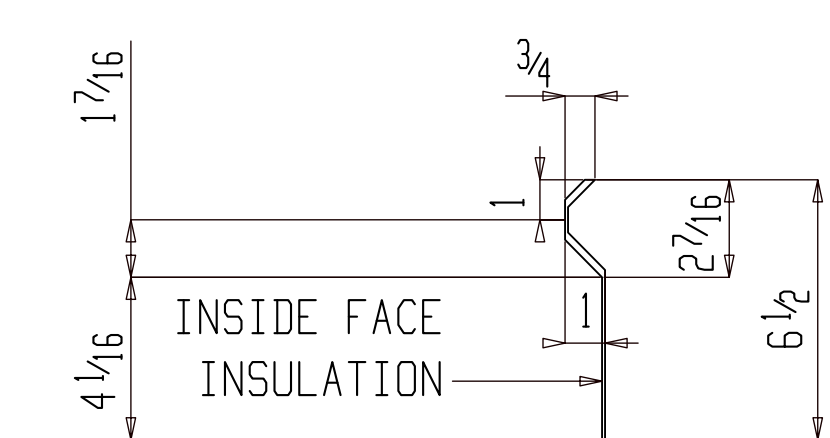
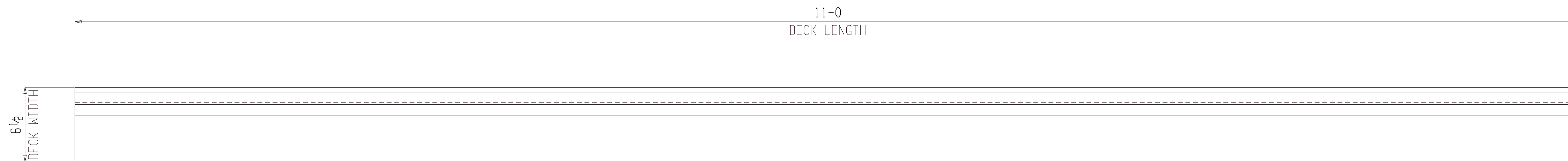
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M137		ONE	CORRUGATED PLATE				154
	M137	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO.: M137	REV: △



2 CORRUGATED PLATES M138

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

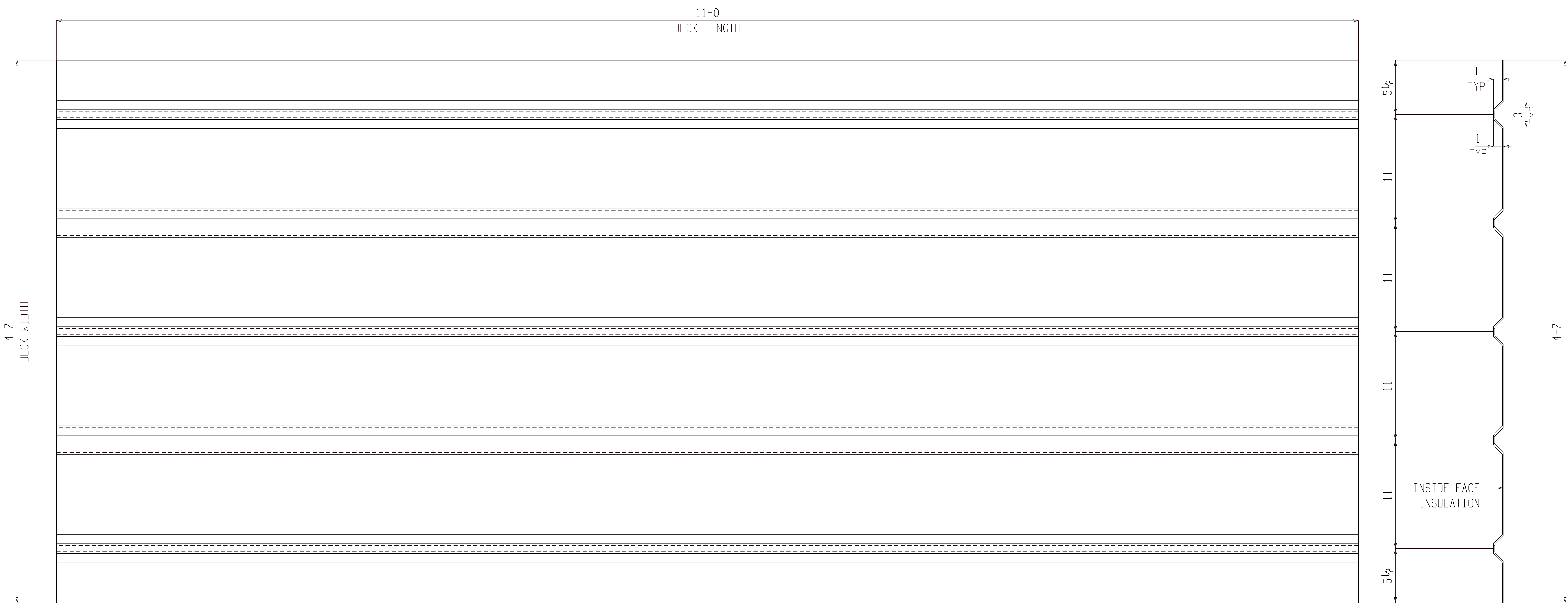
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M138		2	CORRUGATED PLATE				308
	M138	2	PL 14GAx55	11-0			308

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M138
REV.	△		



5 CORRUGATED PLATES M139

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

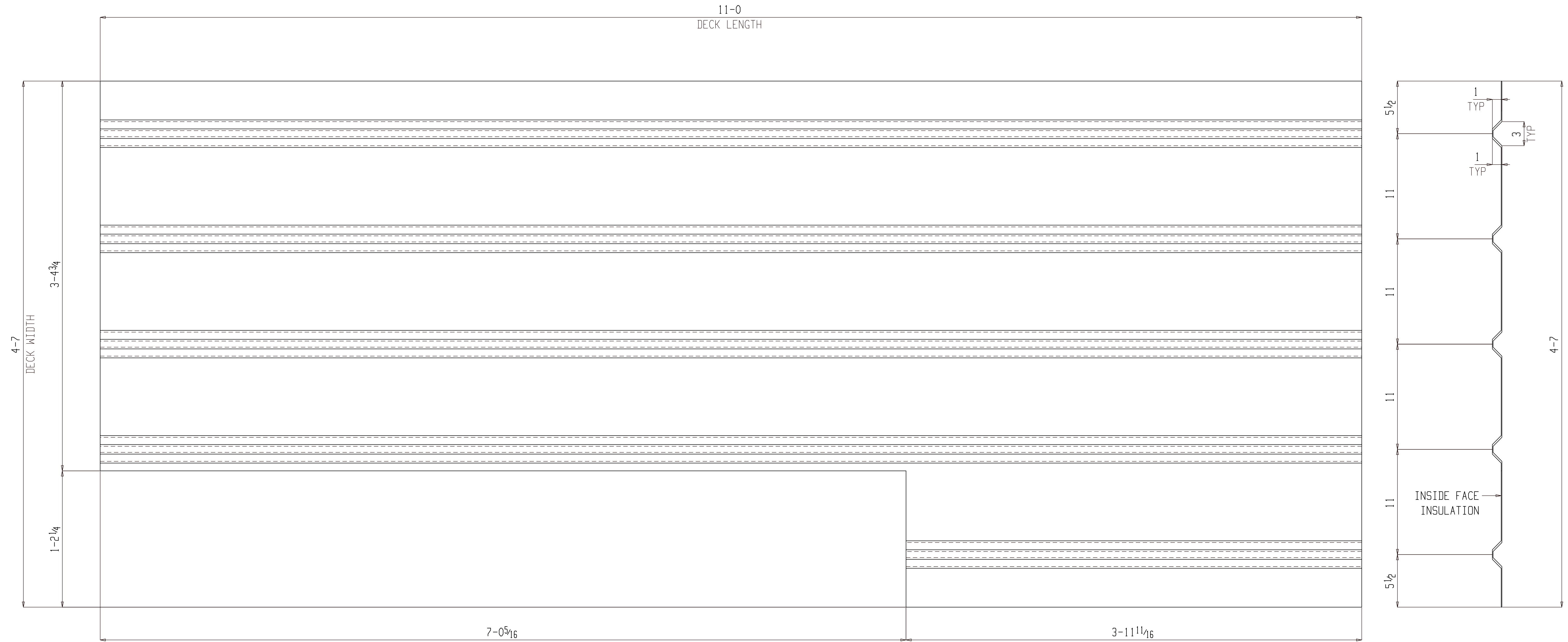
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M139		5	CORRUGATED PLATE				769
	M139	5	PL 14GAx55	11-0			769

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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M139
REV.	△		



ONE CORRUGATED PLATE M140

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

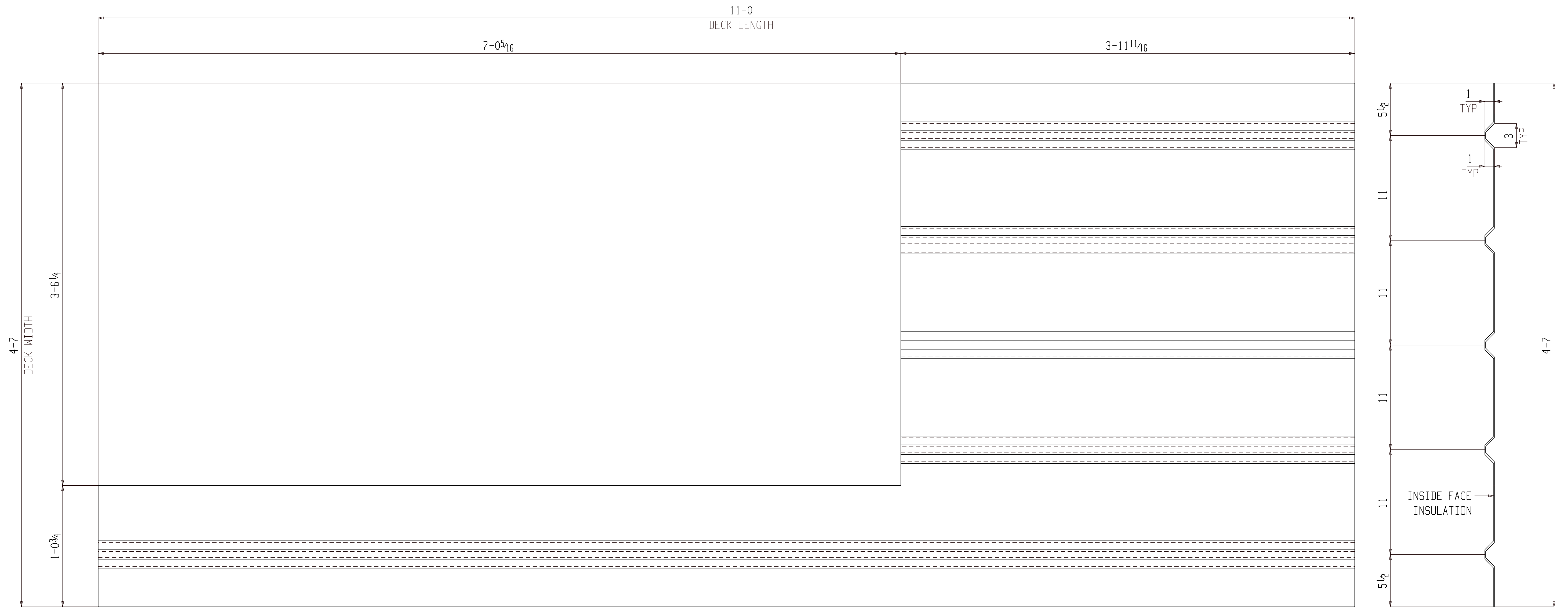
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M140		ONE	CORRUGATED PLATE				154
	M140	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M140
REV.	△		



ONE CORRUGATED PLATE M141

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

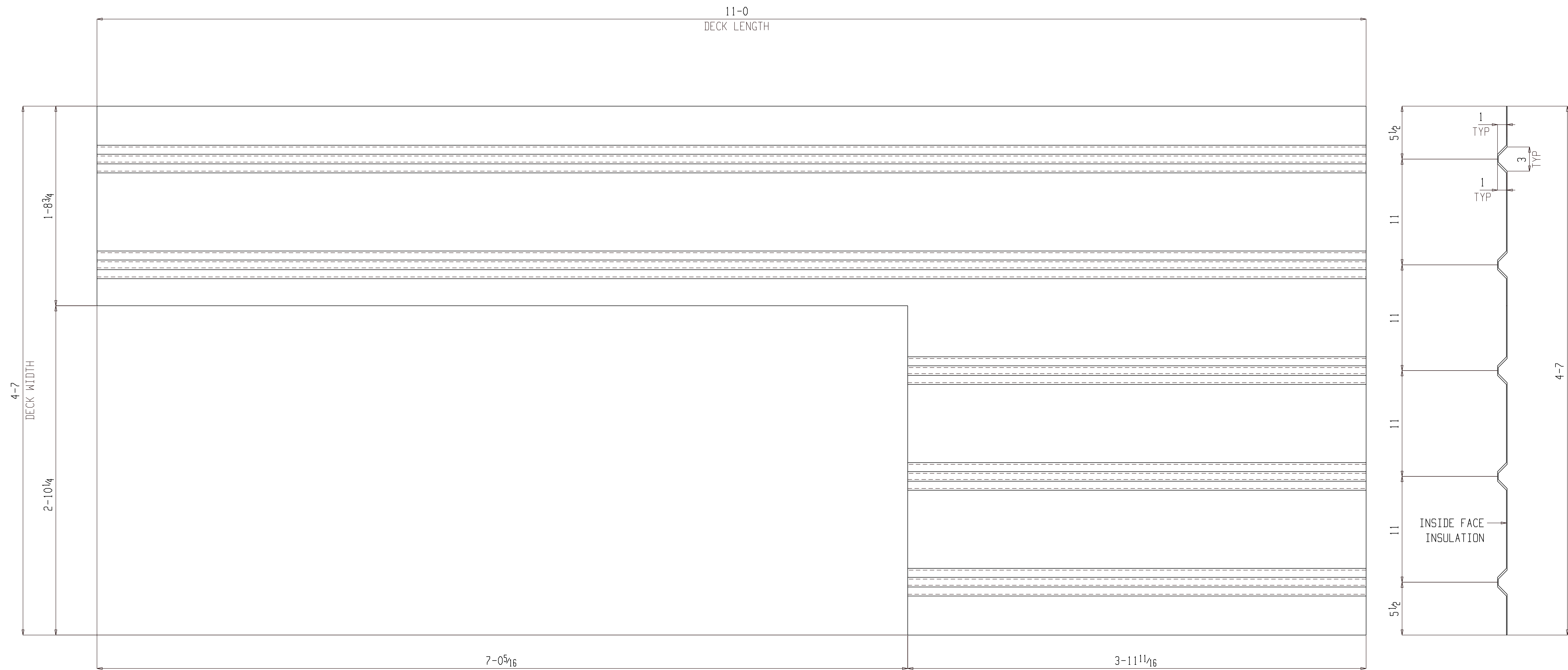
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M141		ONE	CORRUGATED PLATE				154
	M141	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M141
REV.	△		



ONE CORRUGATED PLATE M142

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

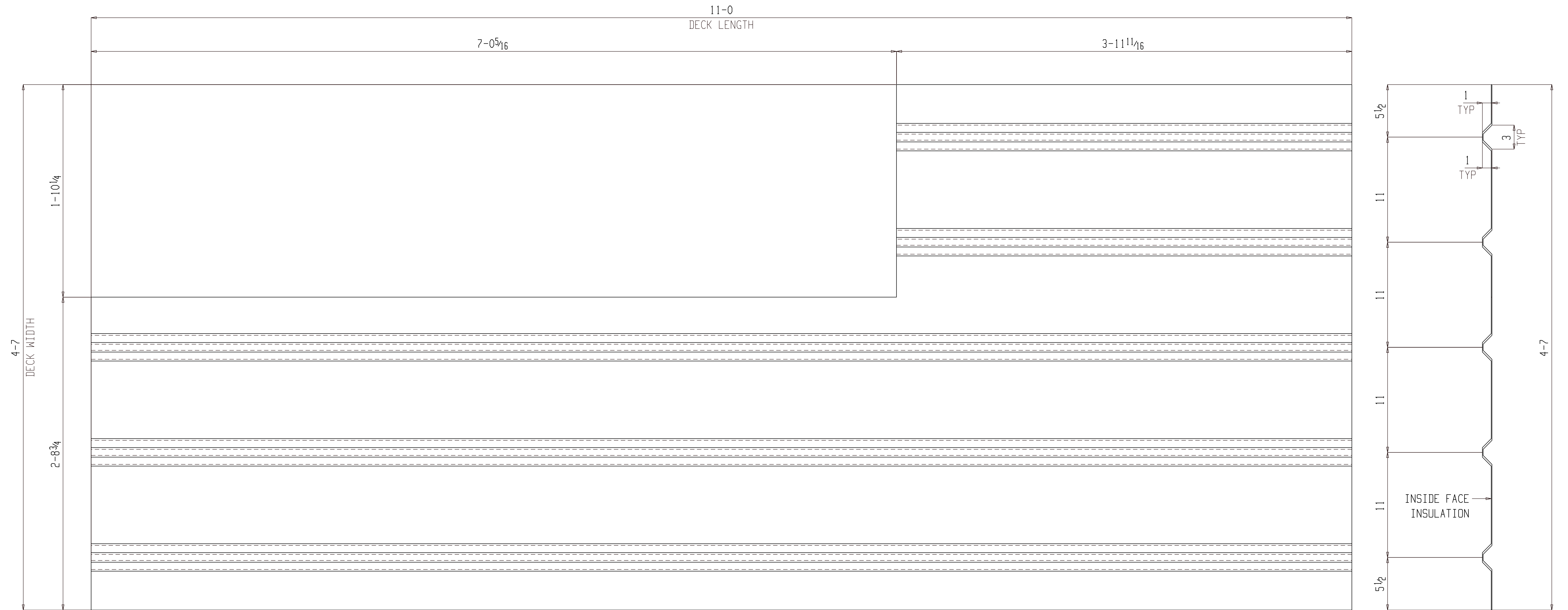
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M142		ONE	CORRUGATED PLATE				154
	M142	1	PL 14GAx55	11-0			154

**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	07-21-22		
△	For Re-Approval	ALN	07-13-22		
△	For Approval	ALN	07-06-22		
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M142
		REV	△		



ONE CORRUGATED PLATE M143

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

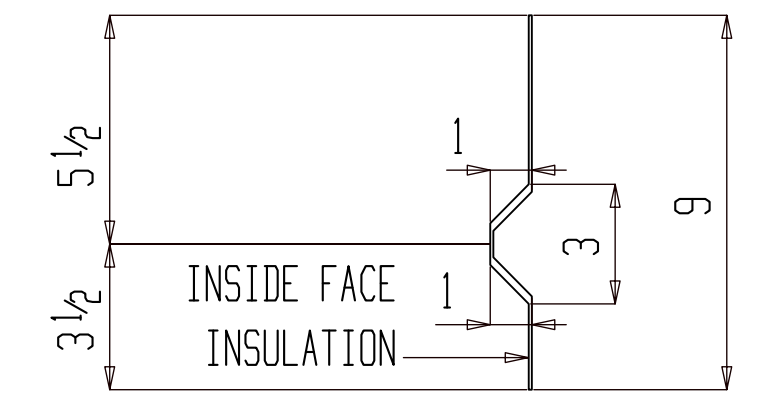
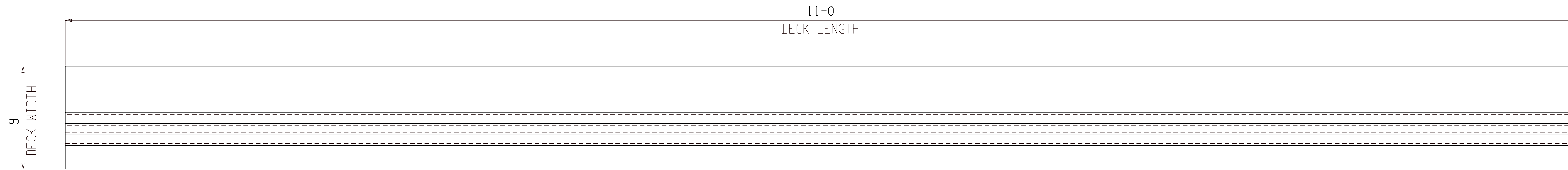
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M143		ONE	CORRUGATED PLATE				154
	M143	1	PL 14GAx55	11-0			154

**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	07-21-22		
△	For Re-Approval	ALN	07-13-22		
△	For Approval	ALN	07-06-22		
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M143
		REV			△



2 CORRUGATED PLATES M144

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M144		2	CORRUGATED PLATE				308
	M144	2	PL 14GAx55	11-0			308

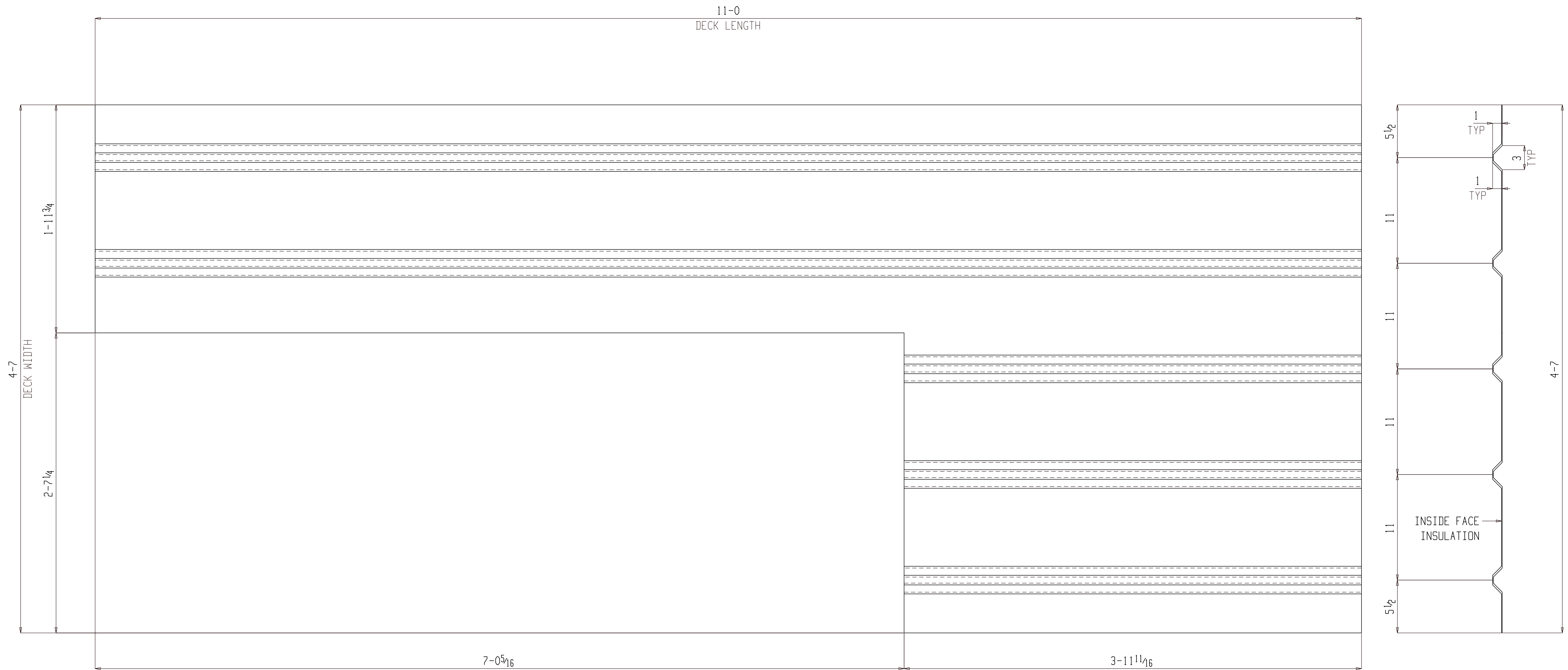
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M144





ONE CORRUGATED PLATE M145

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

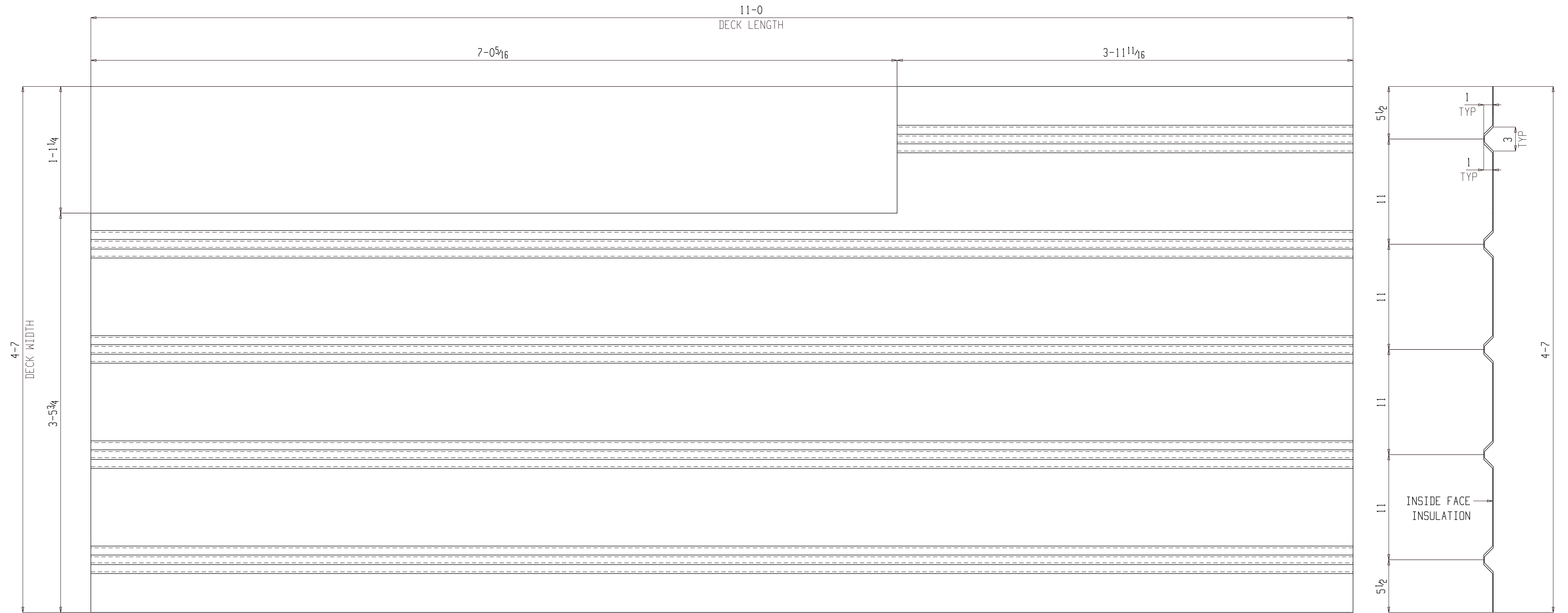
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M145		ONE	CORRUGATED PLATE				154
	M145	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M145
		REV	△



ONE CORRUGATED PLATE M146

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

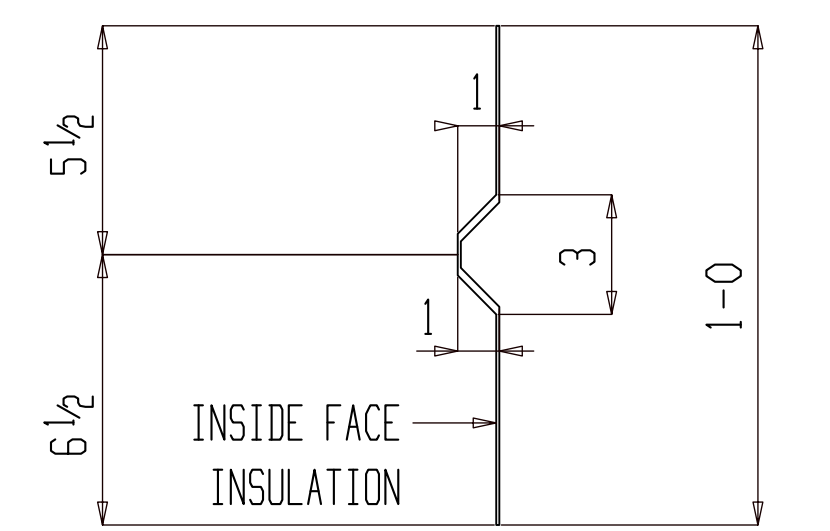
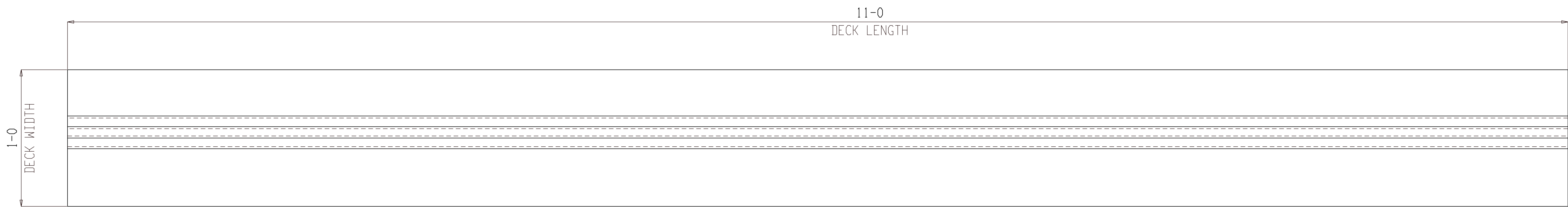
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M146		ONE	CORRUGATED PLATE				154
	M146	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER	460
DESCRIPTION:	MISC. DETAIL	SHEET NO.	M146
		REV	△



2 CORRUGATED PLATES M147

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M147		2	CORRUGATED PLATE				308
	M147	2	PL 14GAx55	11-0			308

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

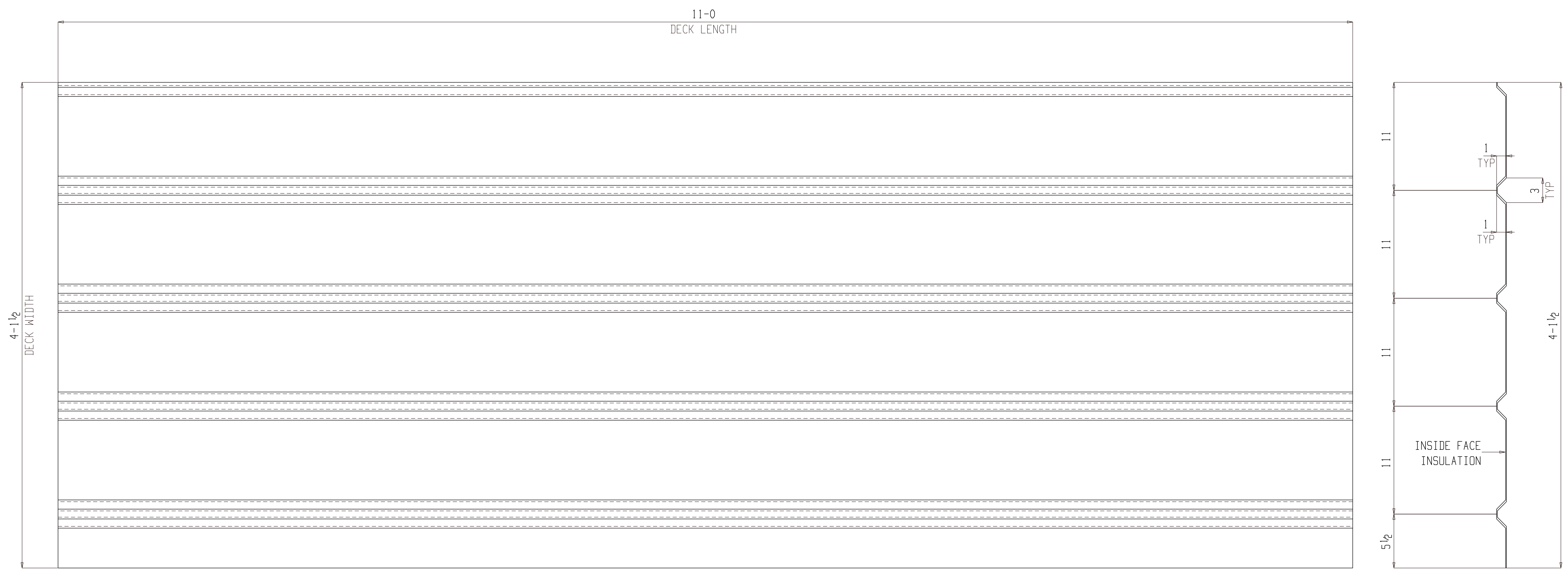
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REF. DWG/SPEC :  
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

---

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	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				154
	M148	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

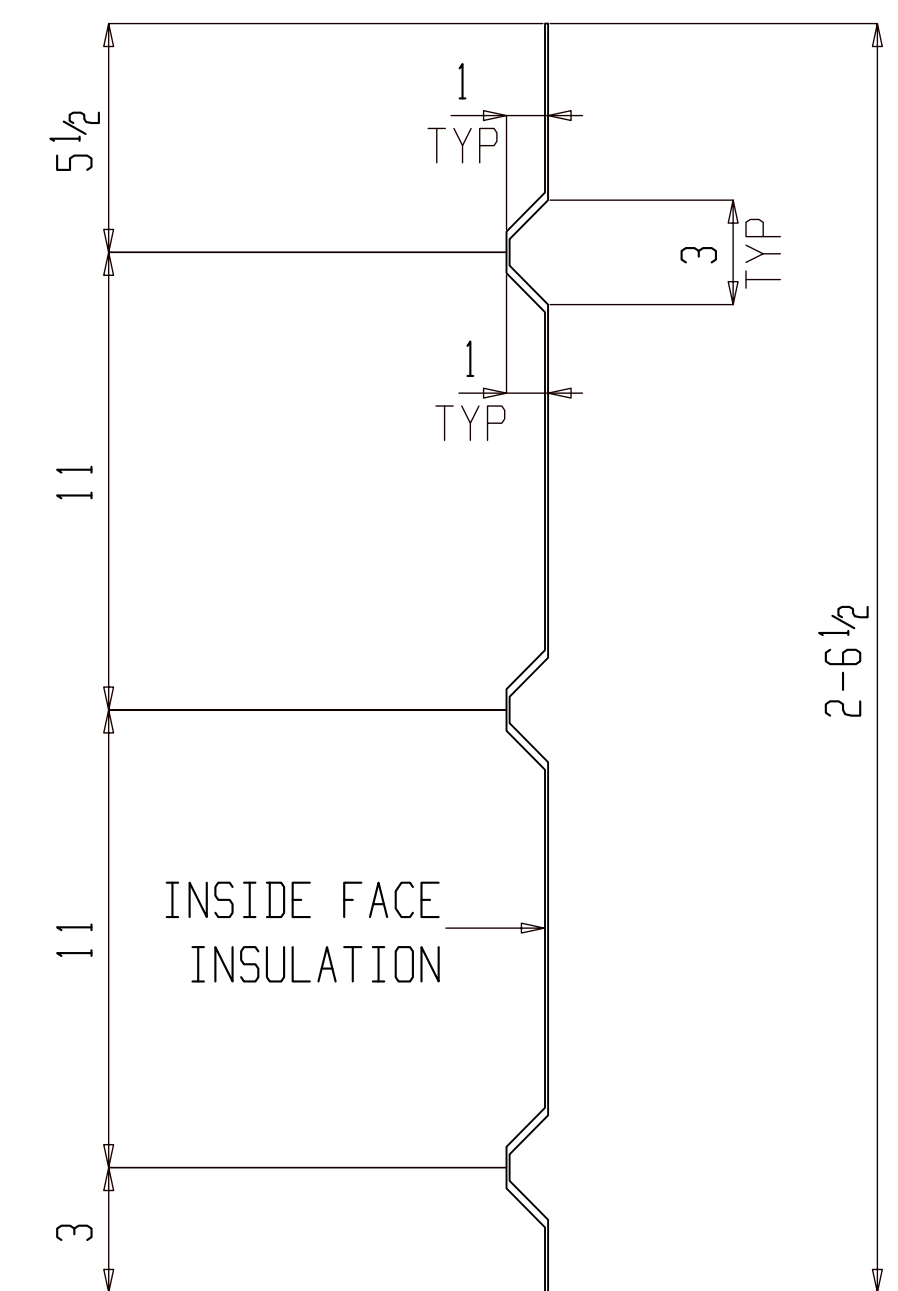
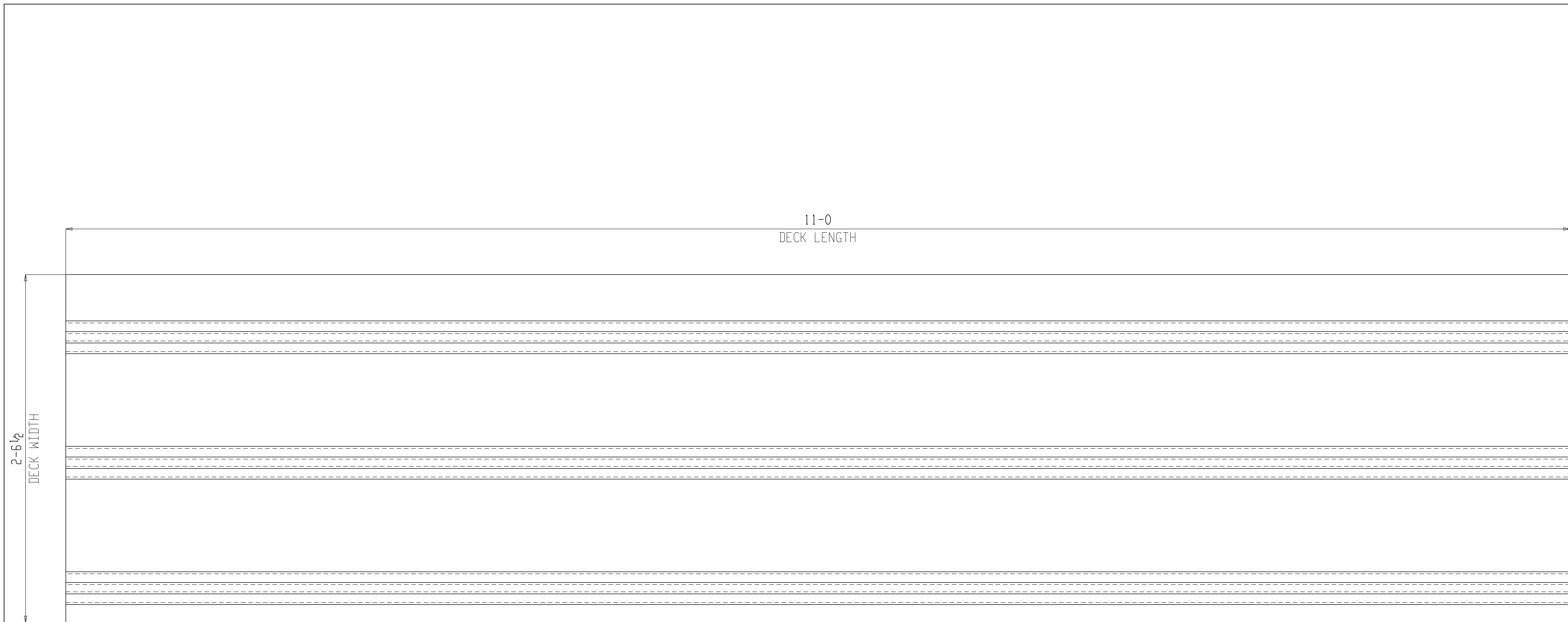
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M148
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				154
	M151	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

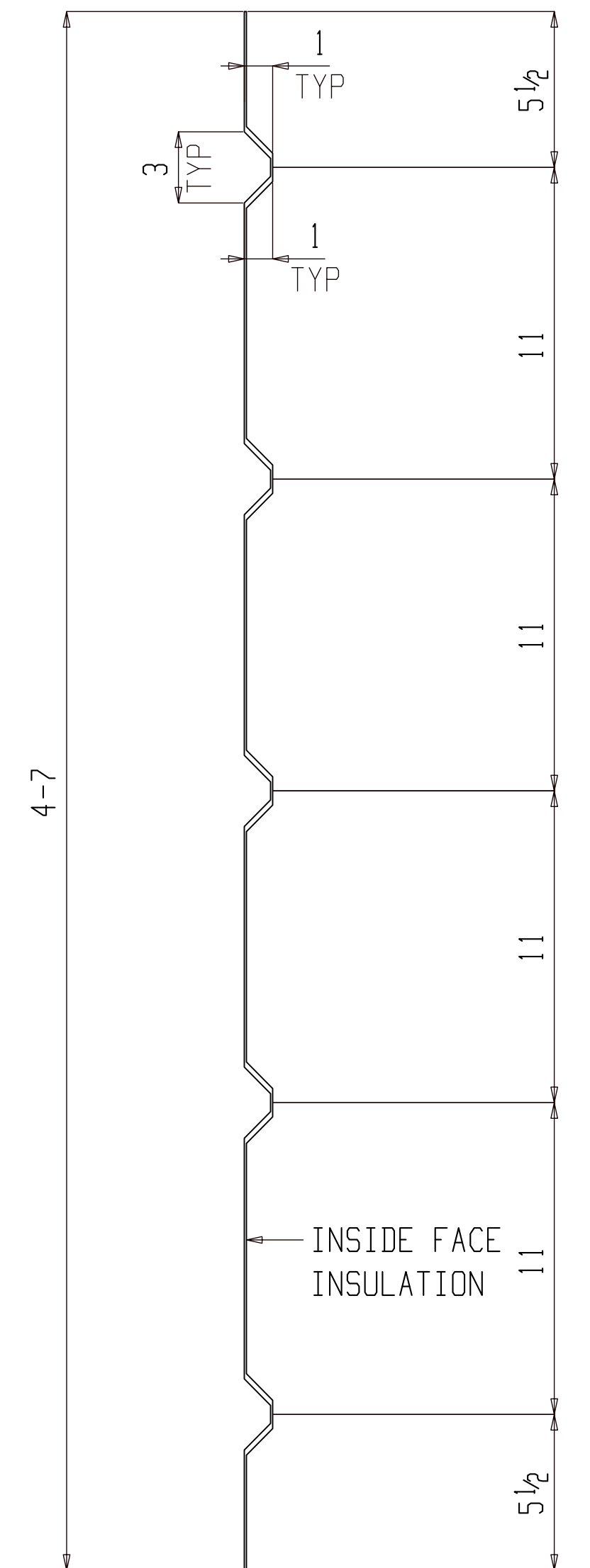
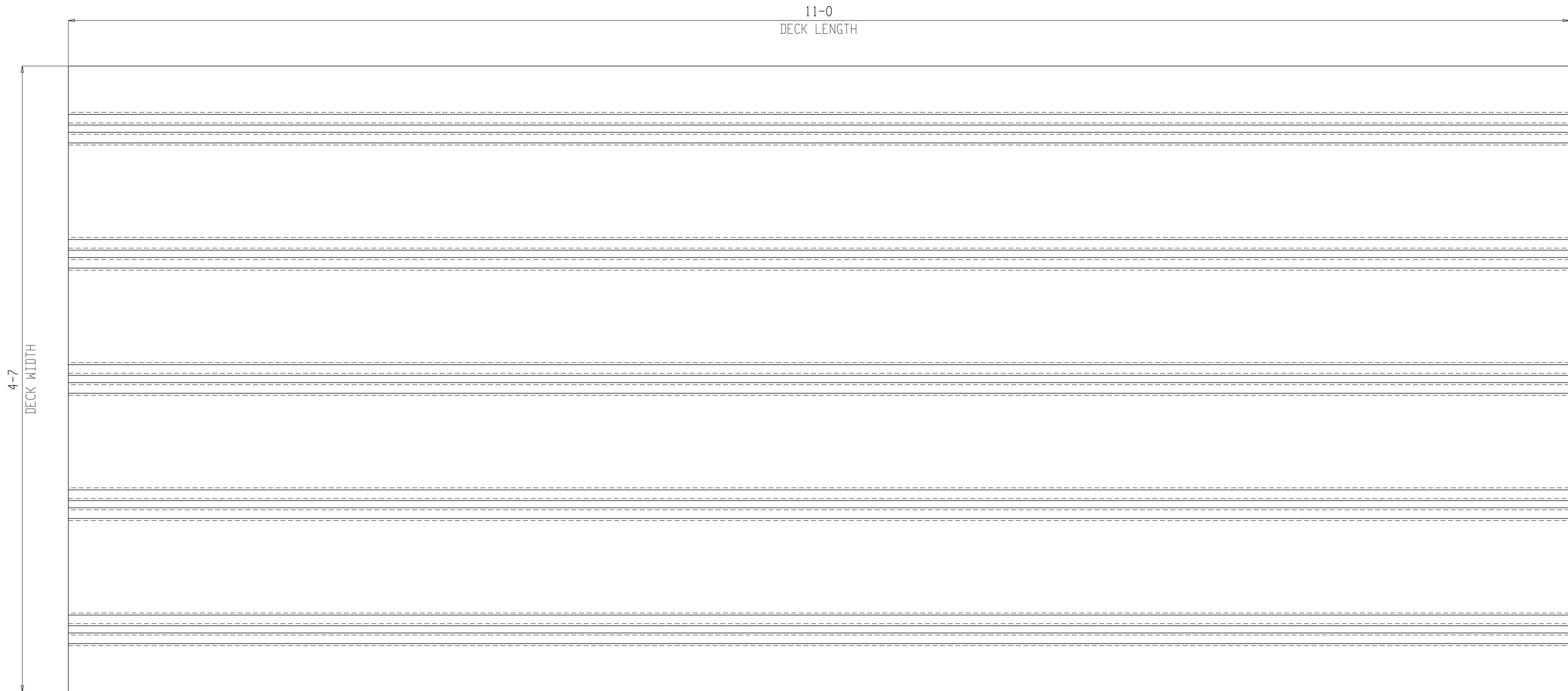
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REF. DWG/SPEC :  
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

---

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	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				154
	M152	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

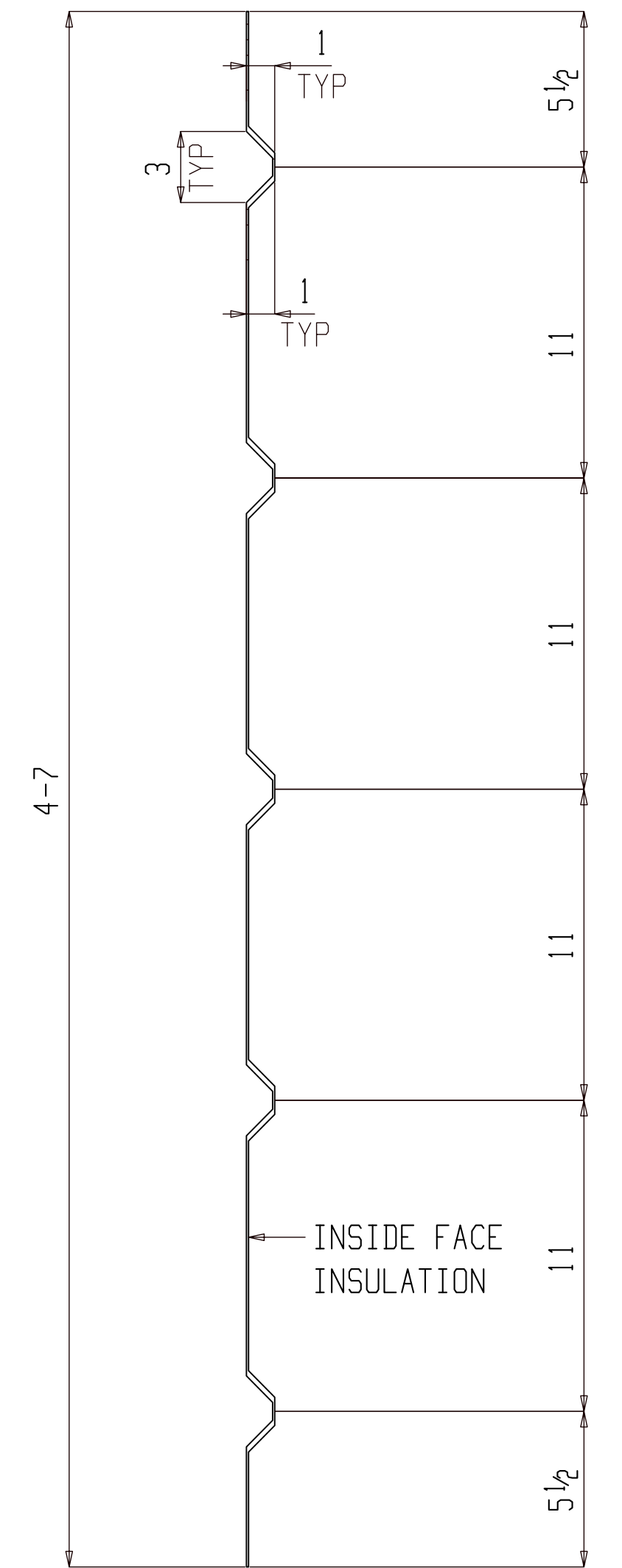
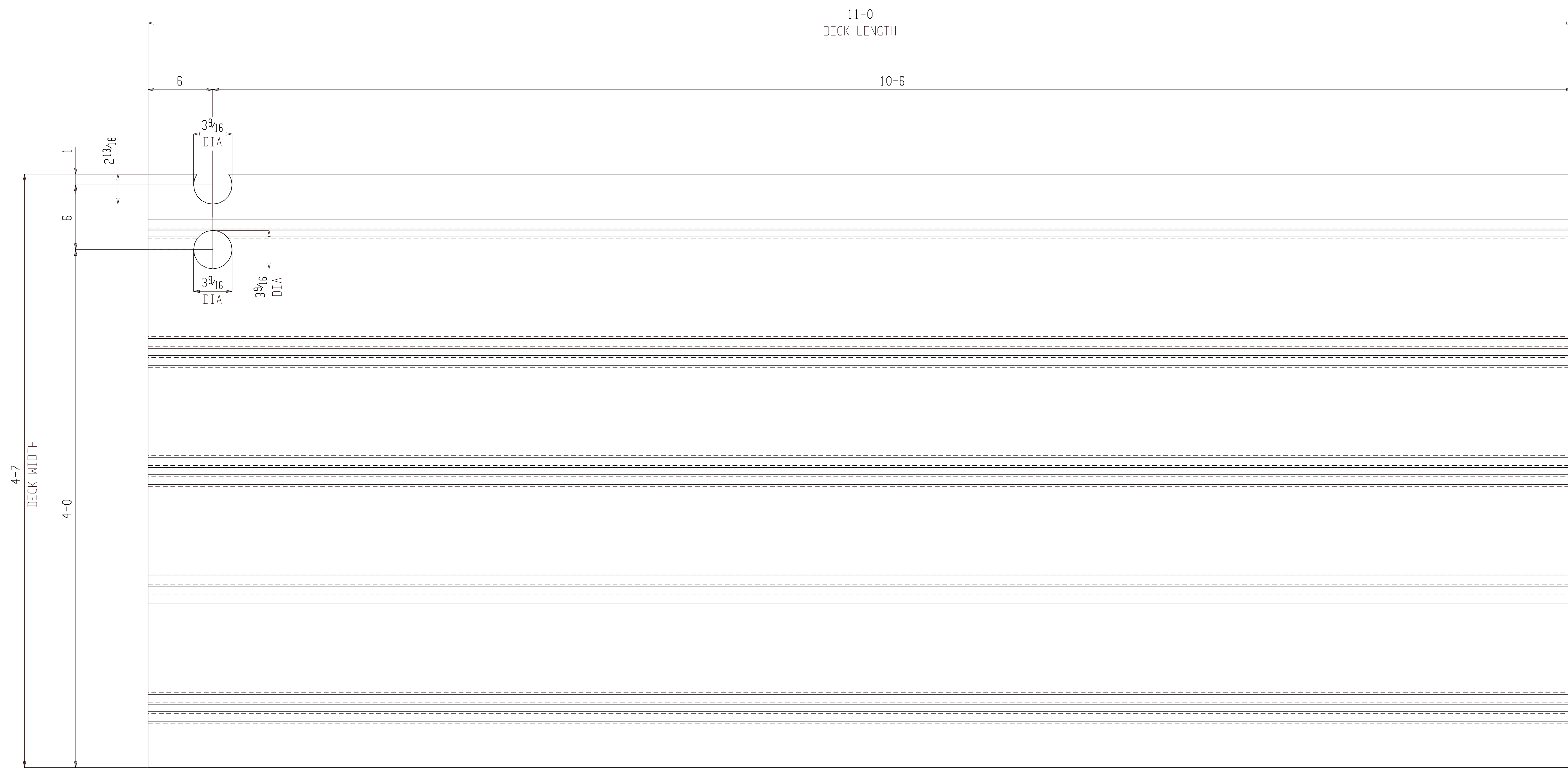
REF. DWG/SPEC :  
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

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

JOB NAME: NAPASKIAK 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: 460 SHEET NO.: M152 REV: △





ONE CORRUGATED PLATE M153

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

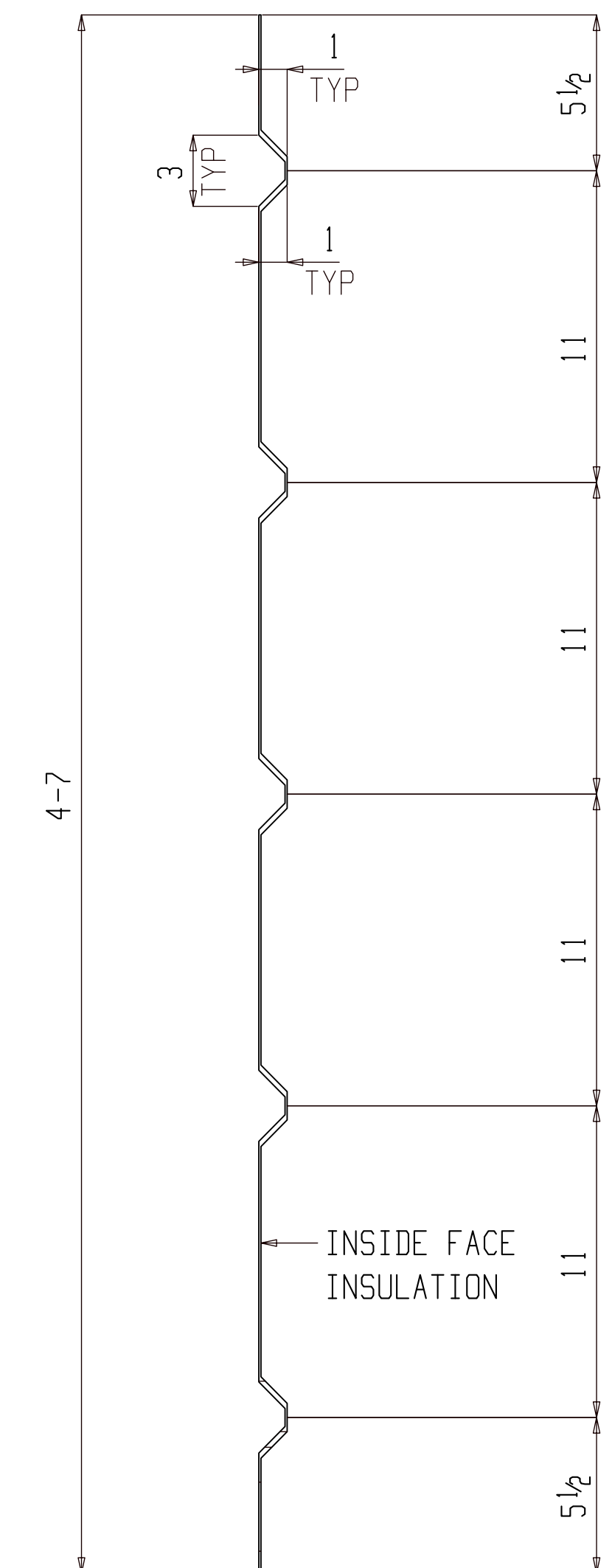
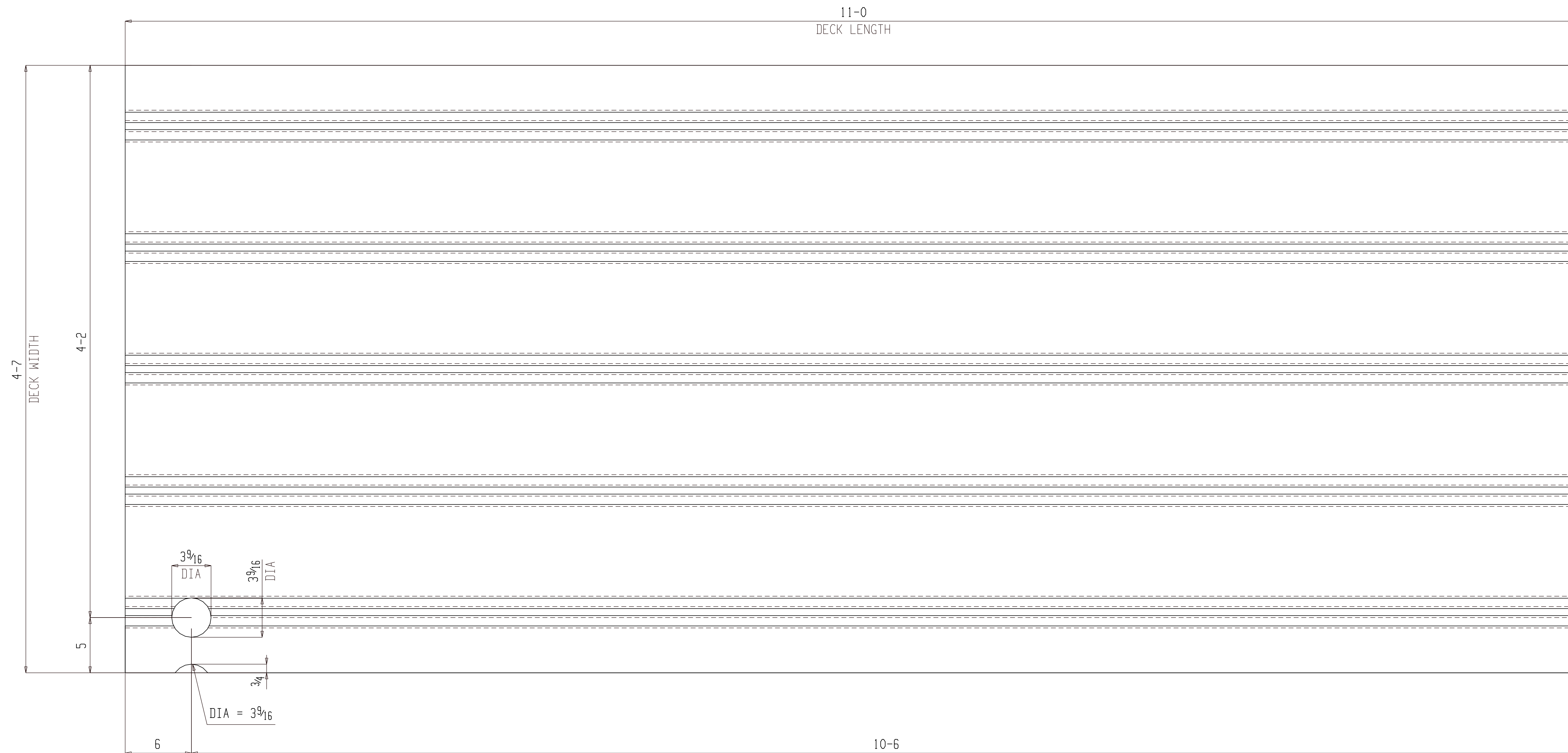
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M153		ONE	CORRUGATED PLATE				154
	M153	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		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				154
	M154	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

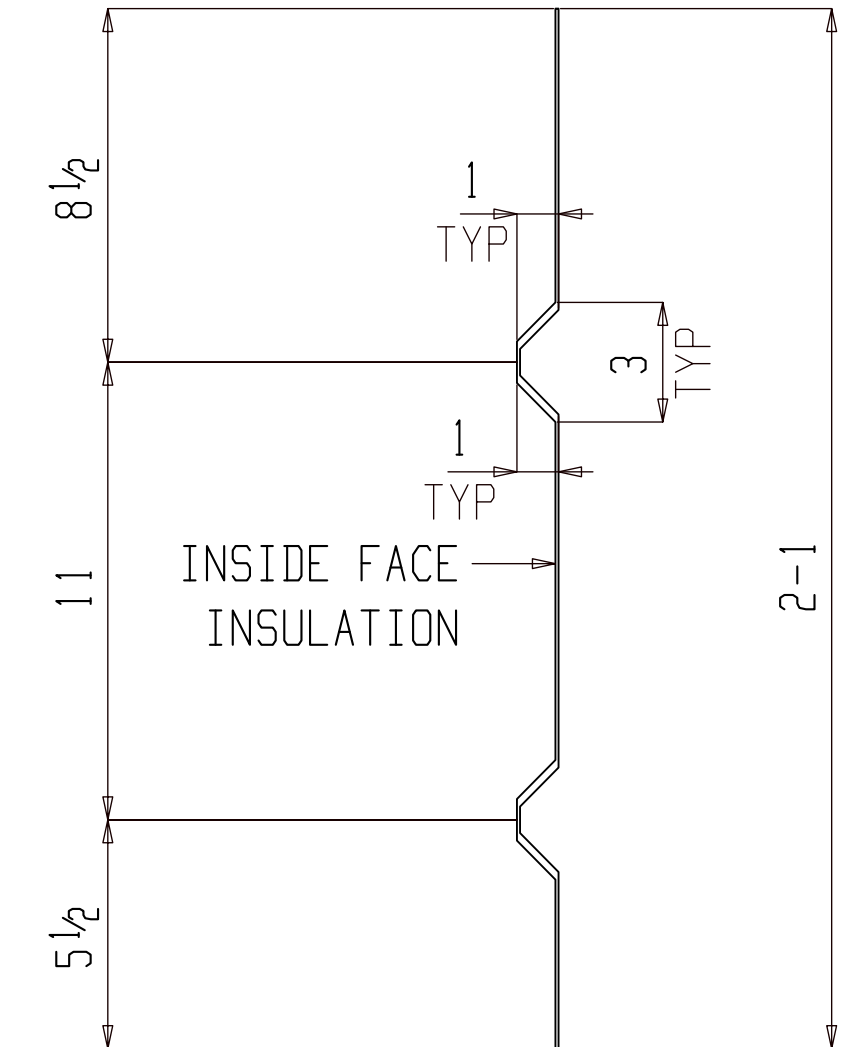
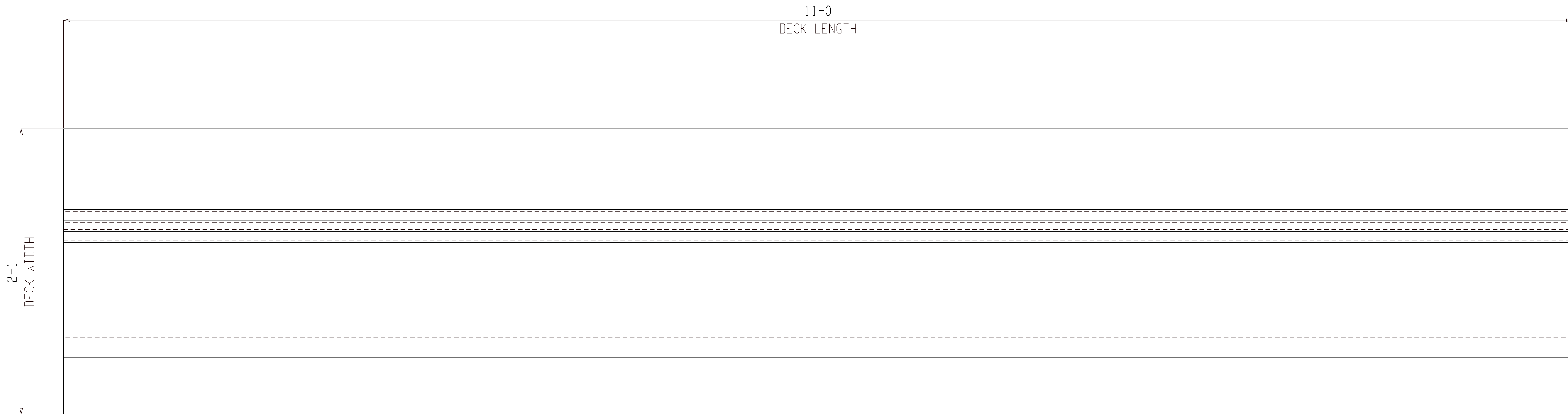
SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	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				154
	M155	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

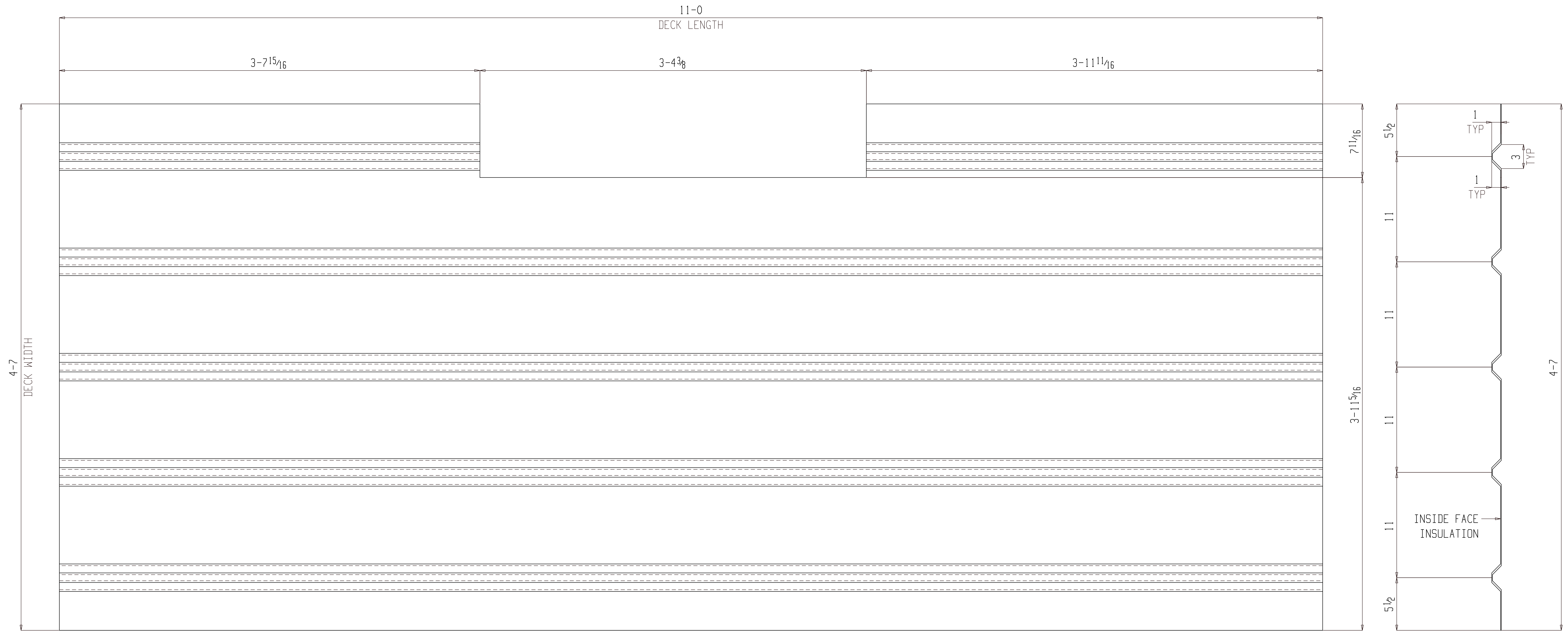
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REF. DWG/SPEC :  
 DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

---

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M155	REV	△



ONE CORRUGATED PLATE M156

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

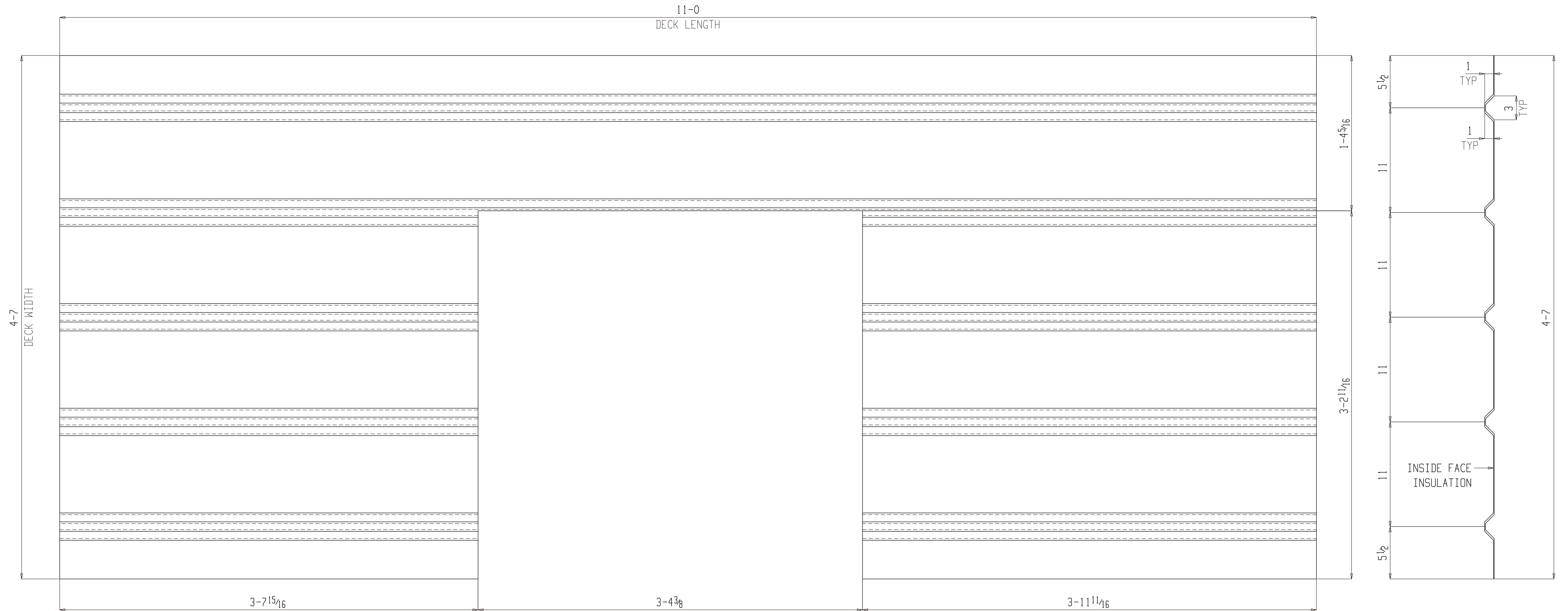
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M156		ONE	CORRUGATED PLATE				154
	M156	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M156
		REV	△



ONE CORRUGATED PLATE M157

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

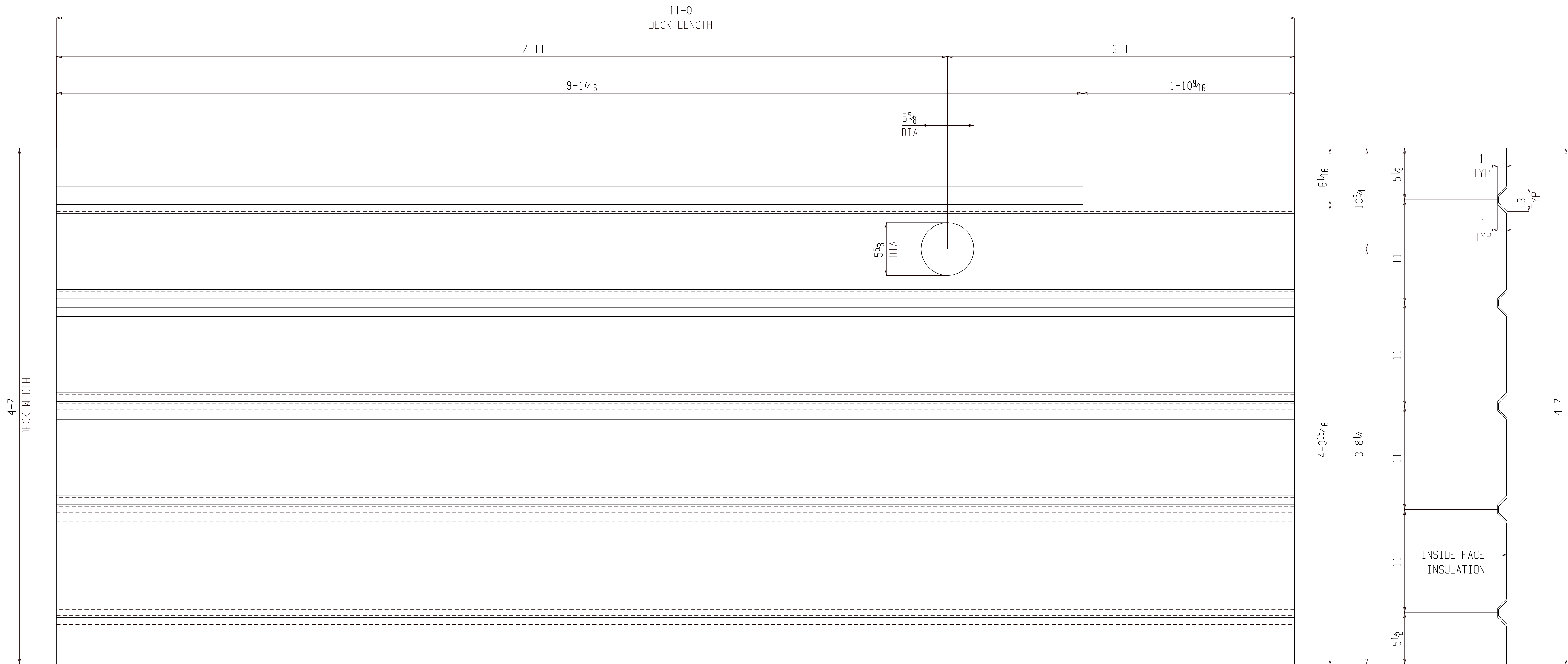
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M157		ONE	CORRUGATED PLATE				154
	M157	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M157
		REV	△



ONE CORRUGATED PLATE M158

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

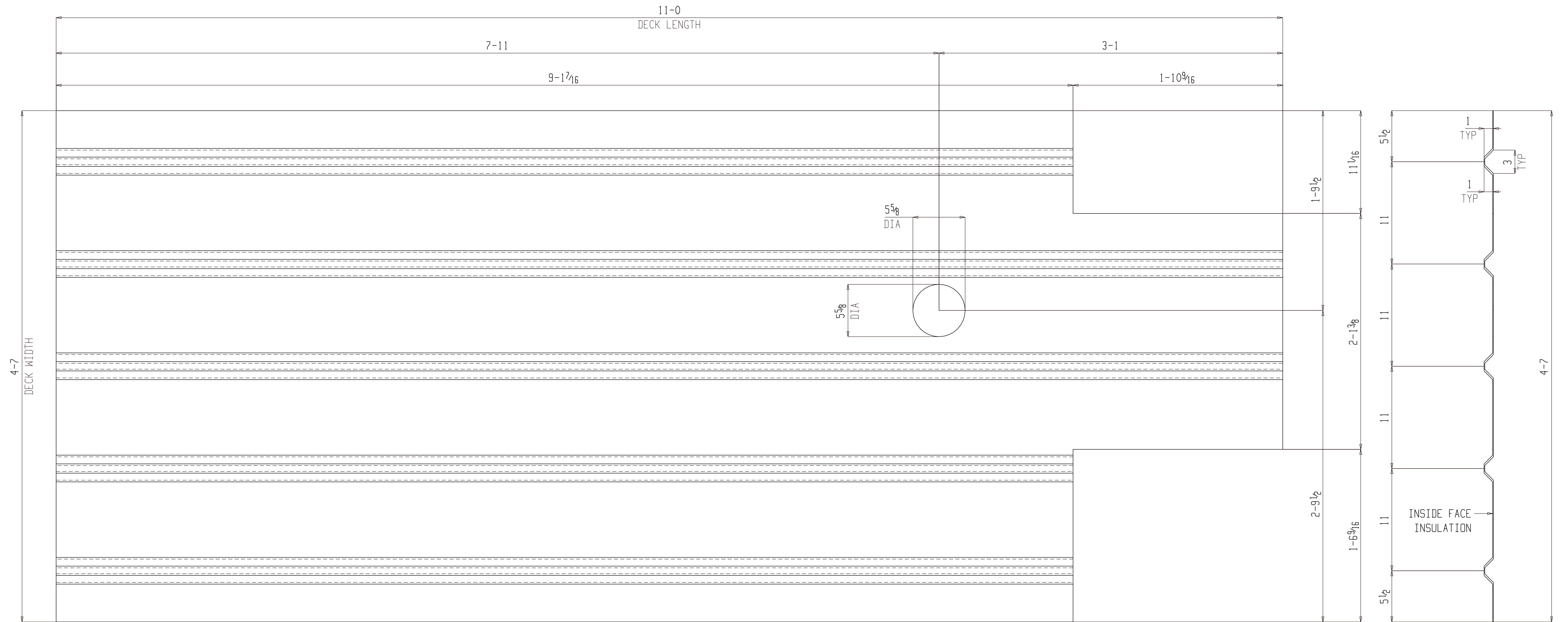
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M158		ONE	CORRUGATED PLATE				154
	M158	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M158
		REV	△



ONE CORRUGATED PLATE M159

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

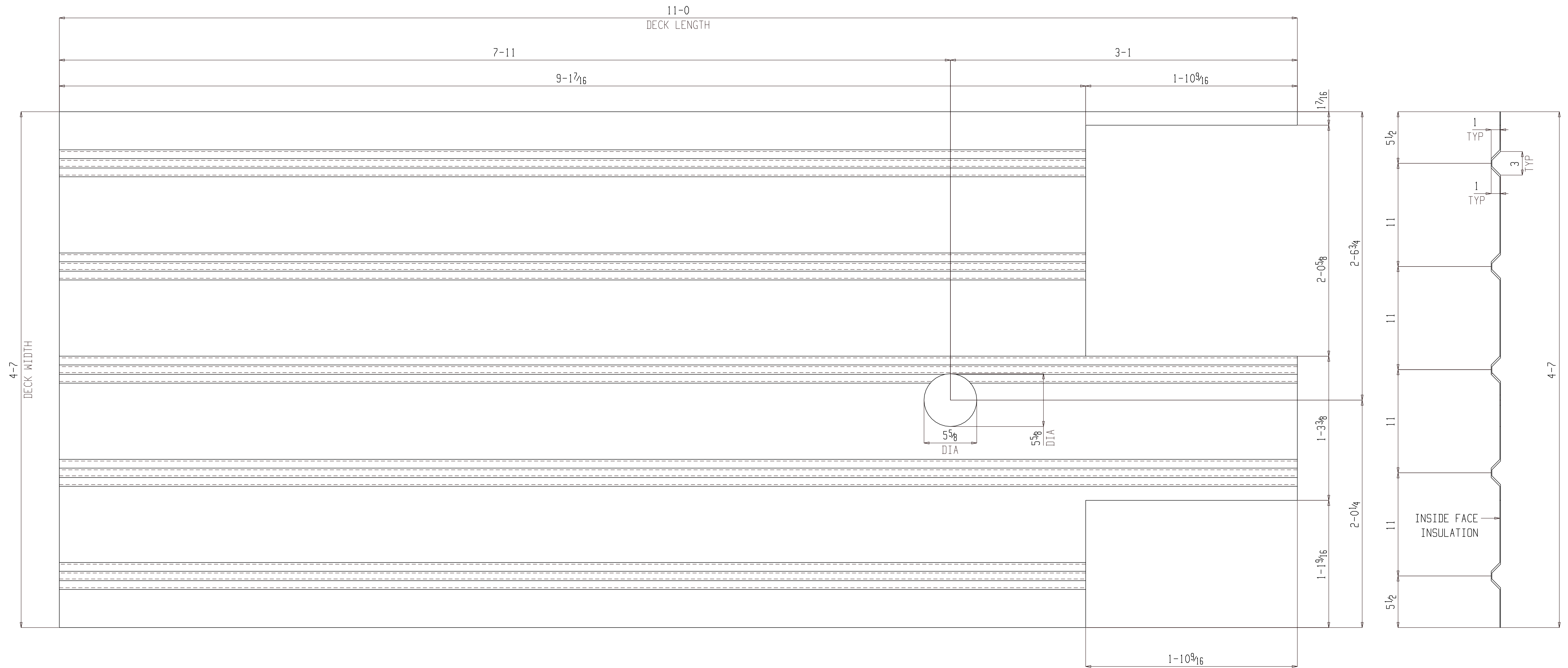
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M159		ONE	CORRUGATED PLATE				154
	M159	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		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				154
	M160	1	PL14GAx55	11-0			154

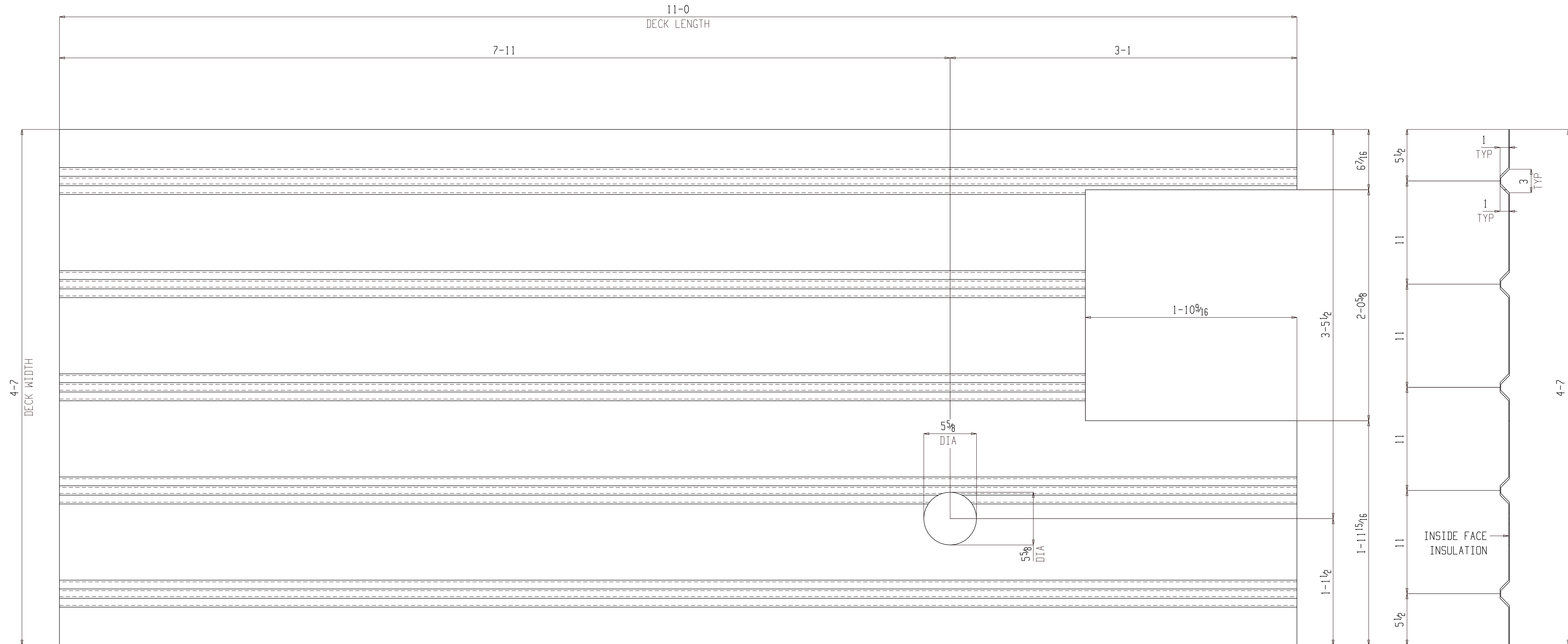
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M160
		REV	△





ONE CORRUGATED PLATE M161

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

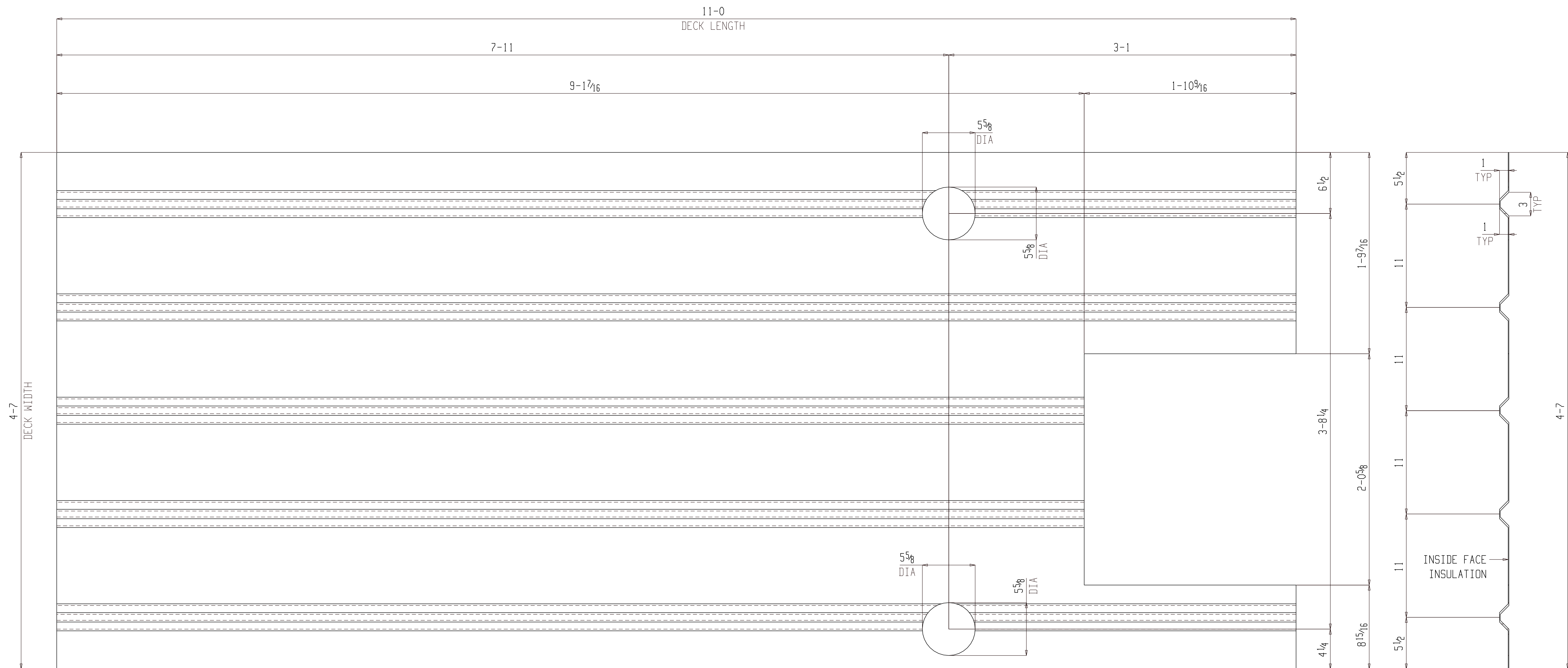
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M161		ONE	CORRUGATED PLATE				154
	M161	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M161
REV			



ONE CORRUGATED PLATE M162

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

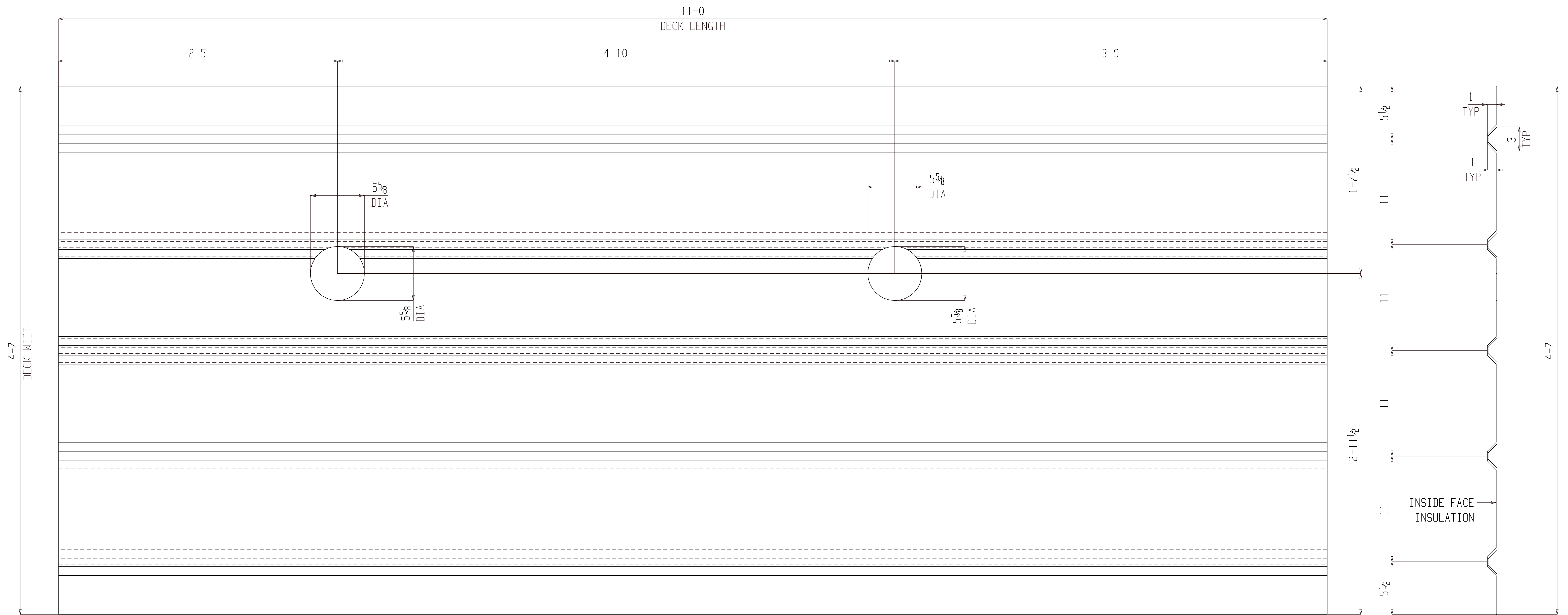
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M162		ONE	CORRUGATED PLATE				154
	M162	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M162
REV	△		



ONE CORRUGATED PLATE M163

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

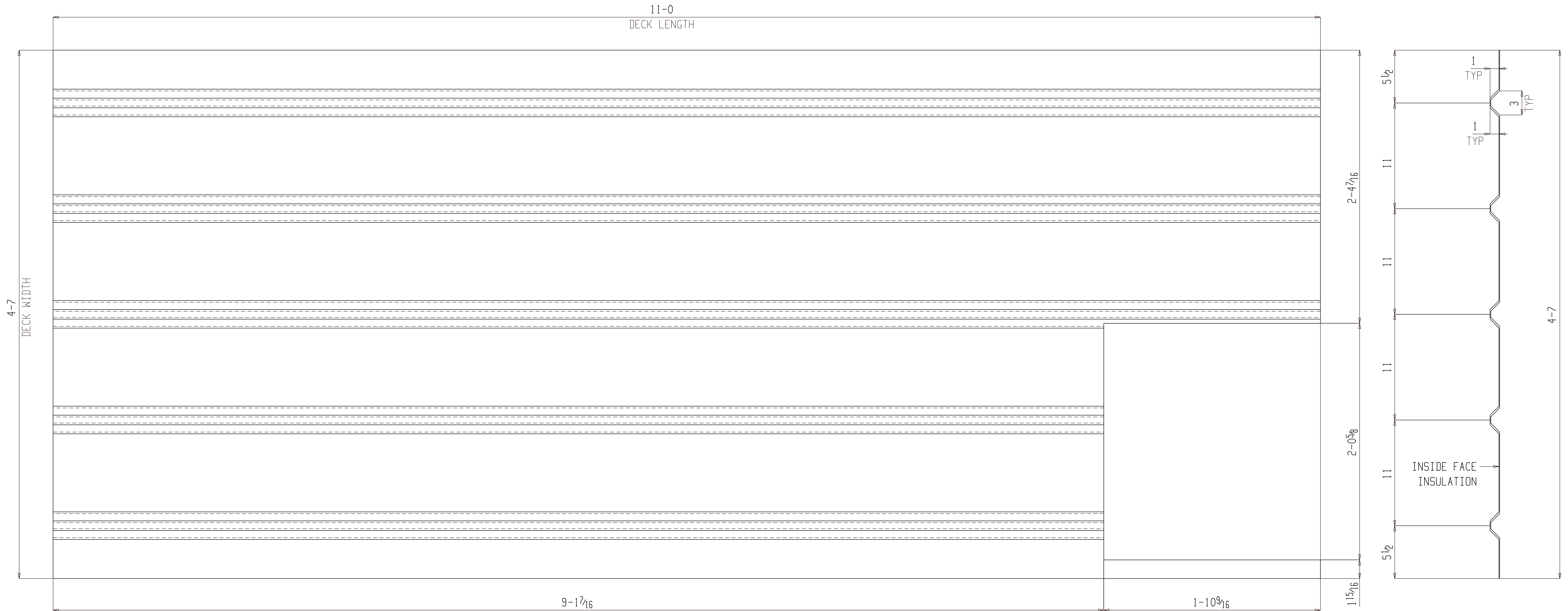
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M163		ONE	CORRUGATED PLATE				154
	M163	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M163
REV.	△		



ONE CORRUGATED PLATE M164

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

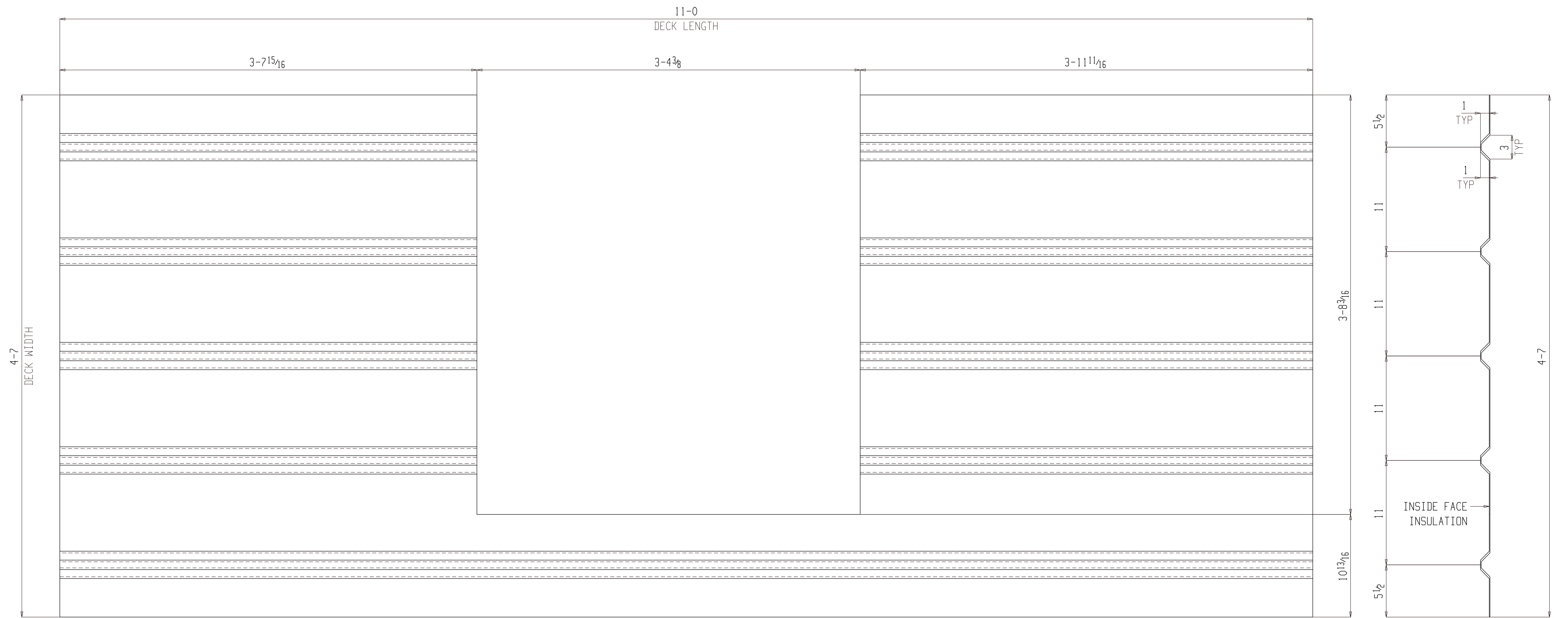
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M164		ONE	CORRUGATED PLATE				154
	M164	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M164
REV.	△		



ONE CORRUGATED PLATE M165

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

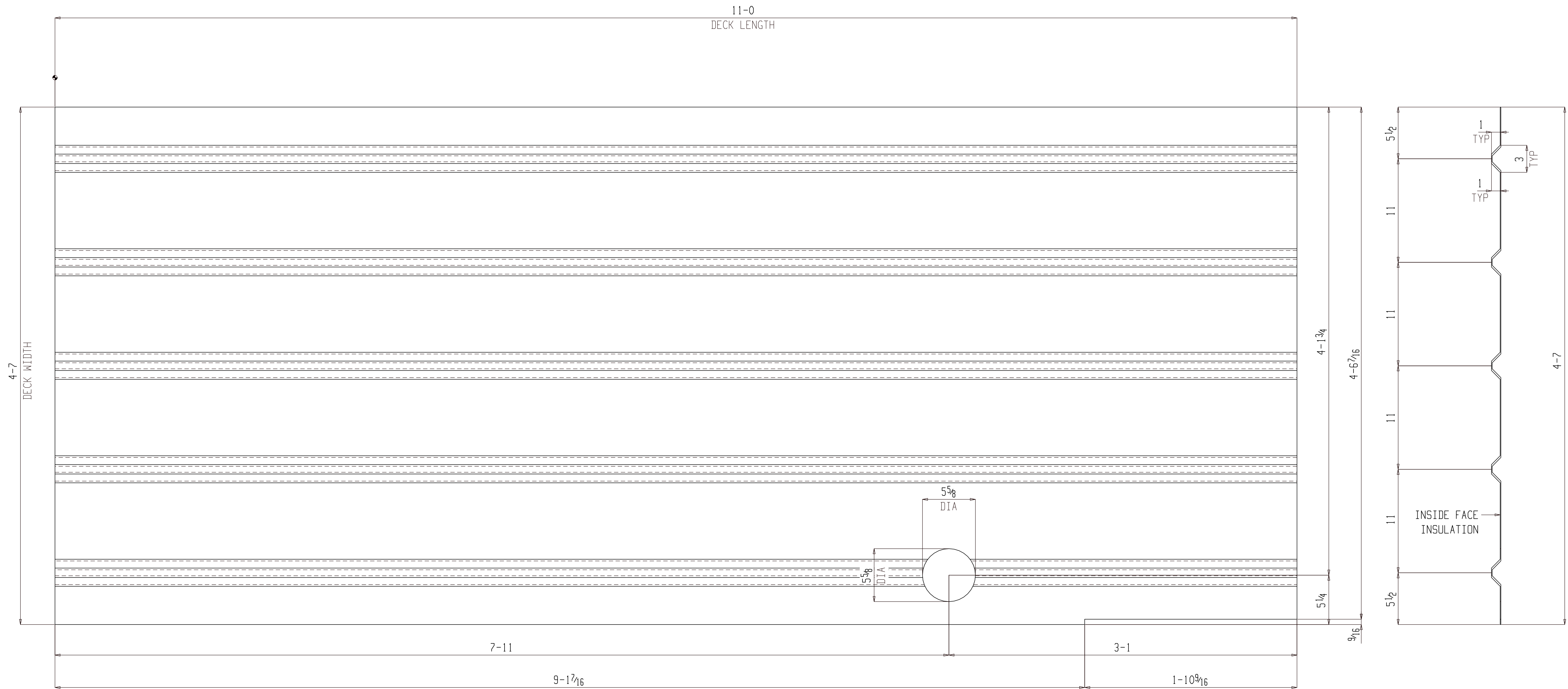
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M165		ONE	CORRUGATED PLATE				154
	M165	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M165
REV.	△		



ONE CORRUGATED PLATE M166

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

BILL OF MATERIAL

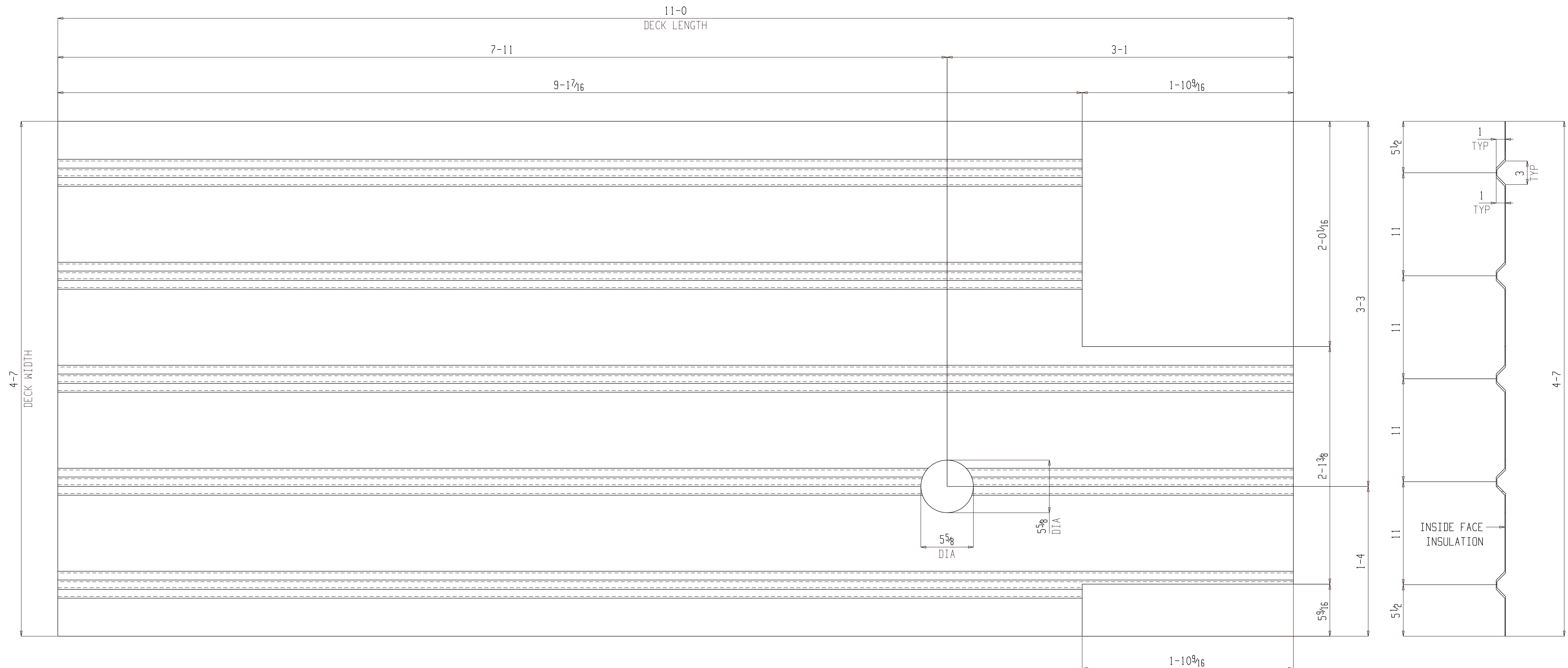
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M166		ONE	CORRUGATED PLATE				154
	M166	1	PL 14GAx55	11-0			154

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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M166
		REV	△



ONE CORRUGATED PLATE M167

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M167		ONE	CORRUGATED PLATE				154
	M167	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

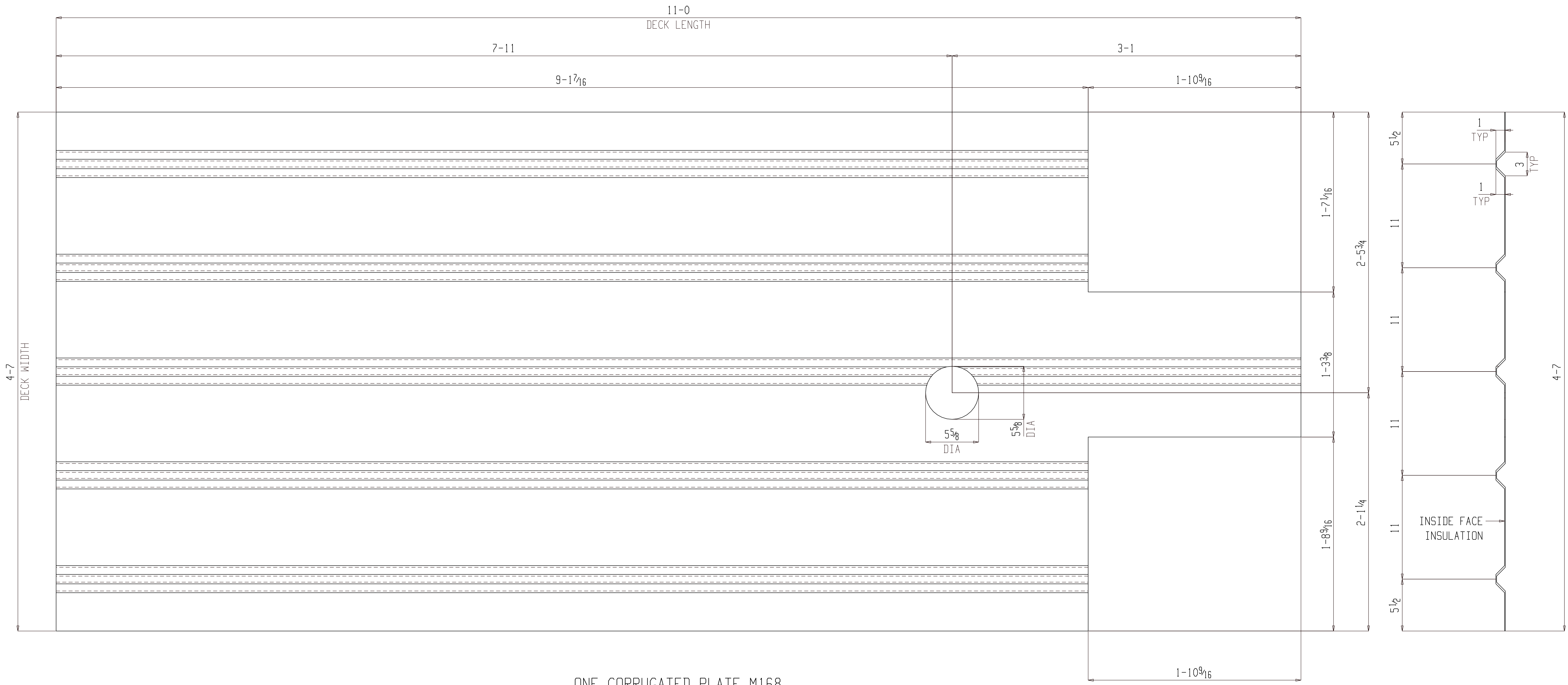
REF. DWG/SPEC :  
 DEG REF. SPEC. / DWG :  
 △ For Fabrication ALN 07-21-22  
 △ For Re-Approval ALN 07-13-22  
 △ For Approval ALN 07-06-22

REV.	DESCRIPTION	BY	DATE

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

JOB NAME: NAPASKIAK 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	SHEET NO.	REV
460	M167	△



ONE CORRUGATED PLATE M168

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M168		ONE	CORRUGATED PLATE				154
	M168	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

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

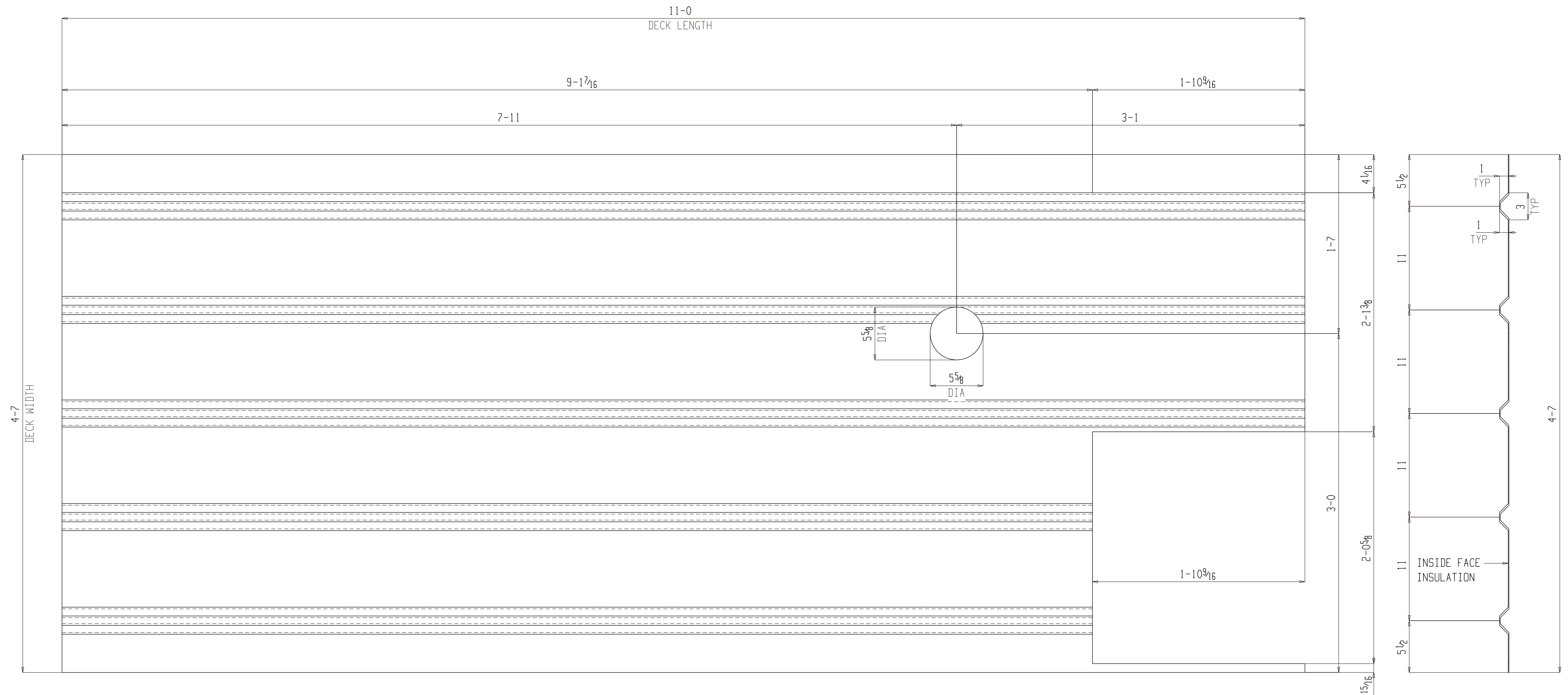
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

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

JOB NAME: NAPASKIAK 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	SHEET NO.	REV
460	M168	△





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				154
	M169	1	PL14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

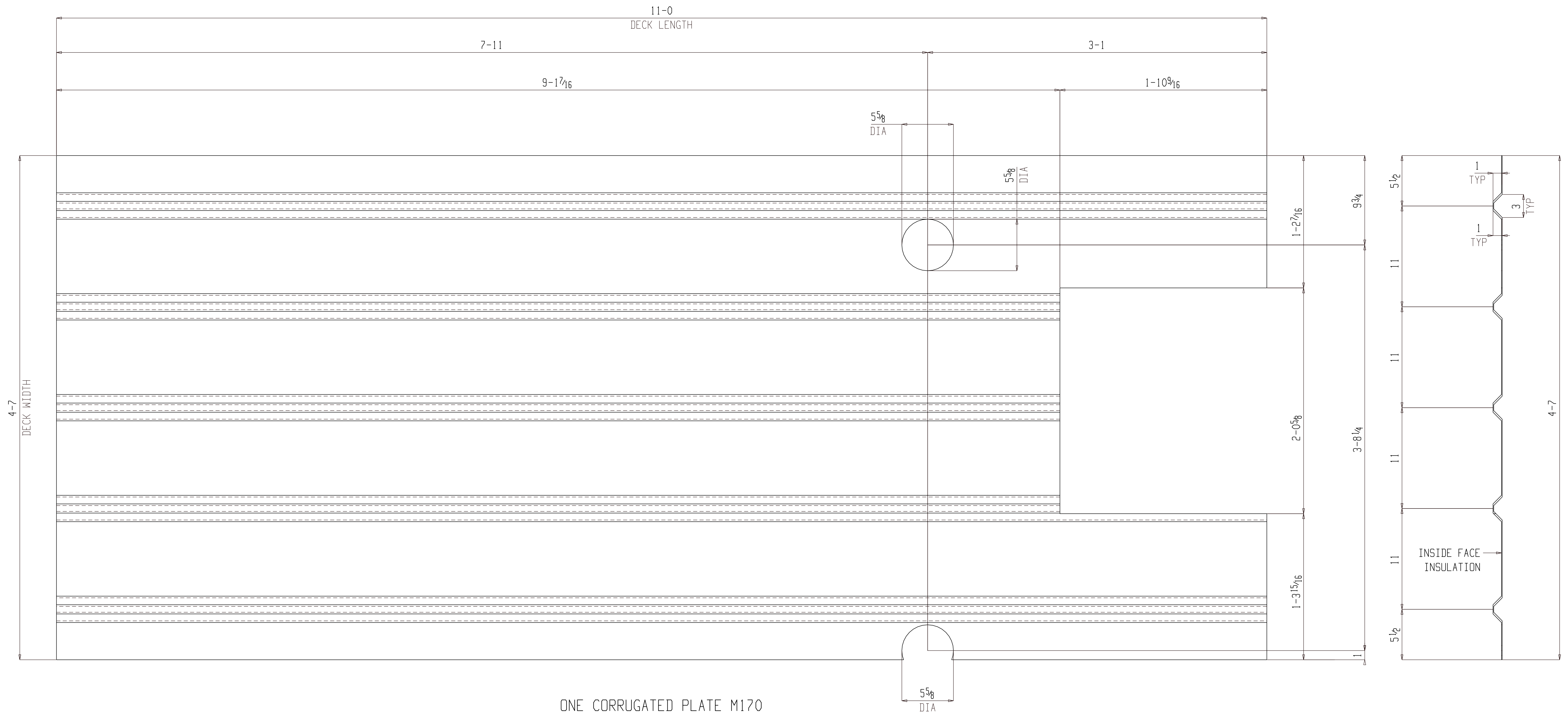
SHOP NOTES:

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

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

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

JOB NAME: NAPASKIAK 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 460 SHEET NO. M169 REV △



ONE CORRUGATED PLATE M170

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

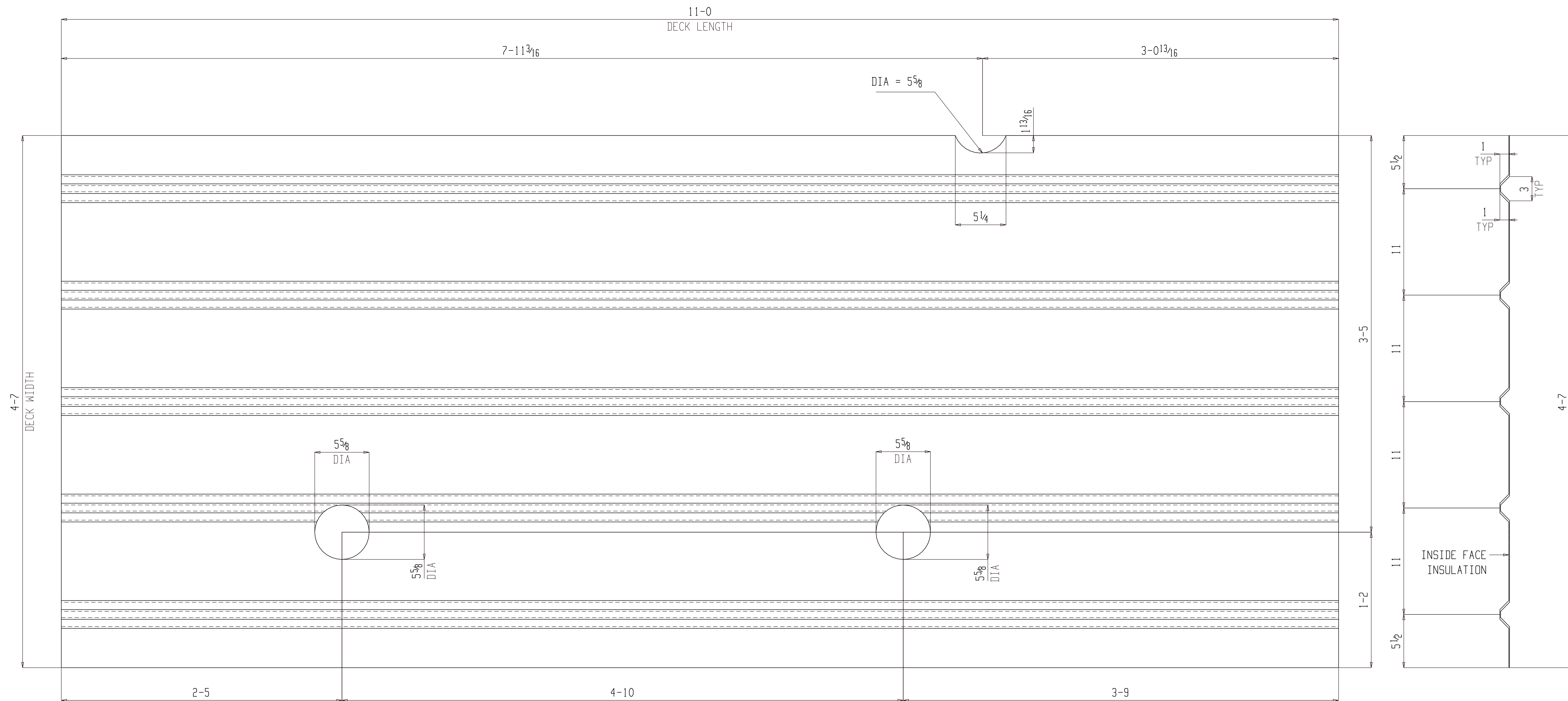
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M170		ONE	CORRUGATED PLATE				154
	M170	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M170
		REV	△



ONE CORRUGATED PLATE M171

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

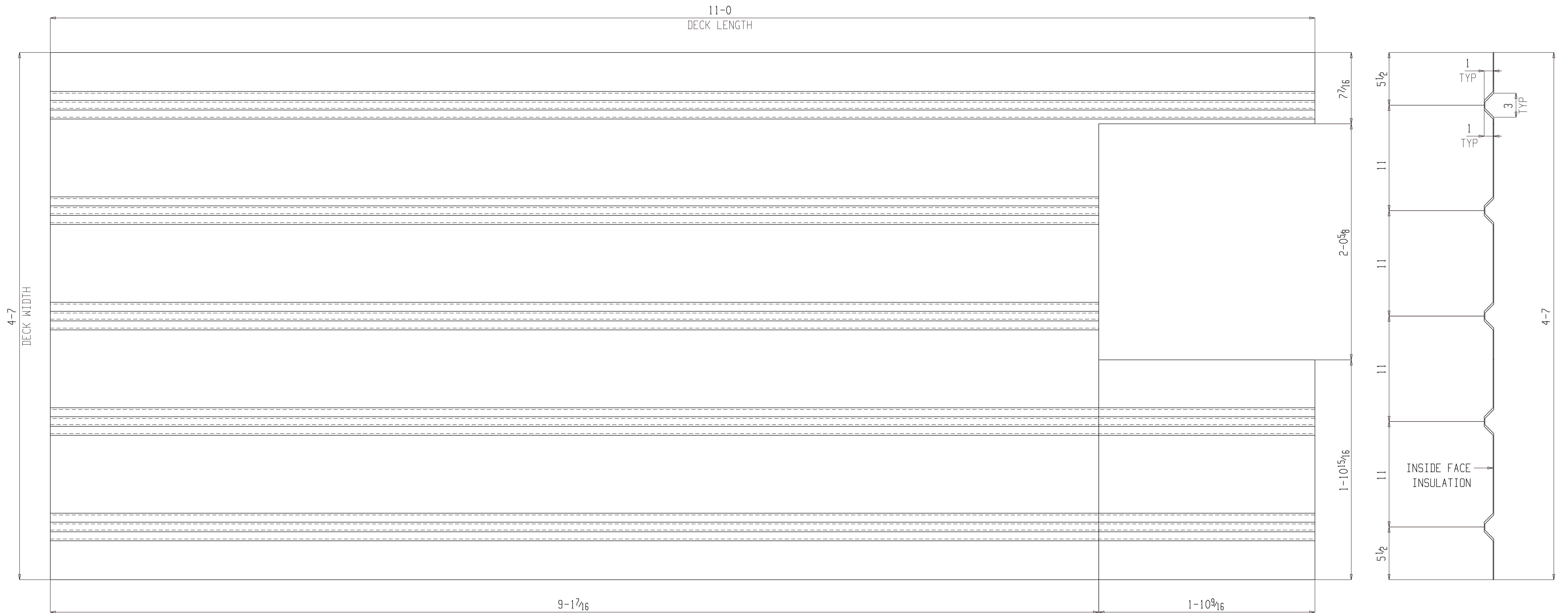
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M171		ONE	CORRUGATED PLATE				154
	M171	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M171
REV.	△		



ONE CORRUGATED PLATE M172

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

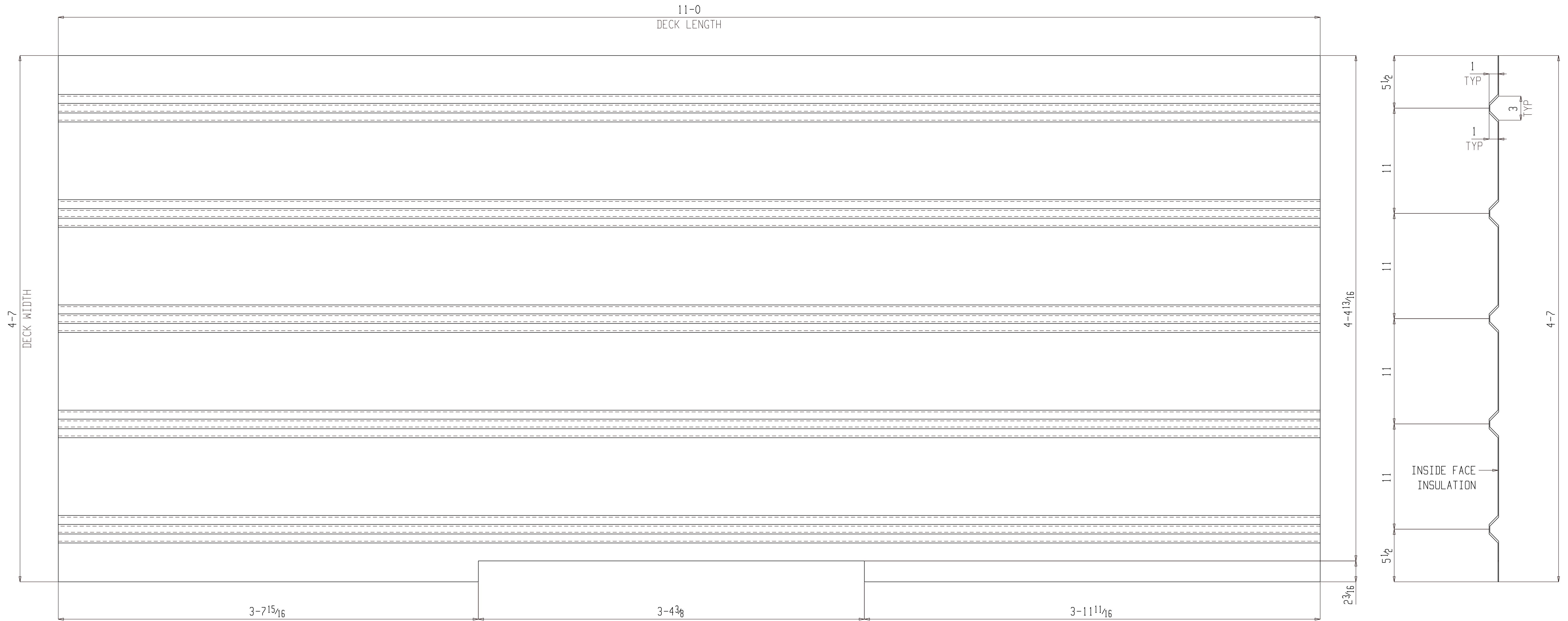
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M172		ONE	CORRUGATED PLATE				154
	M172	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M172
REV.	△		



ONE CORRUGATED PLATE M173

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M173		ONE	CORRUGATED PLATE				154
	M173	1	PL 14GAx55	11-0			154

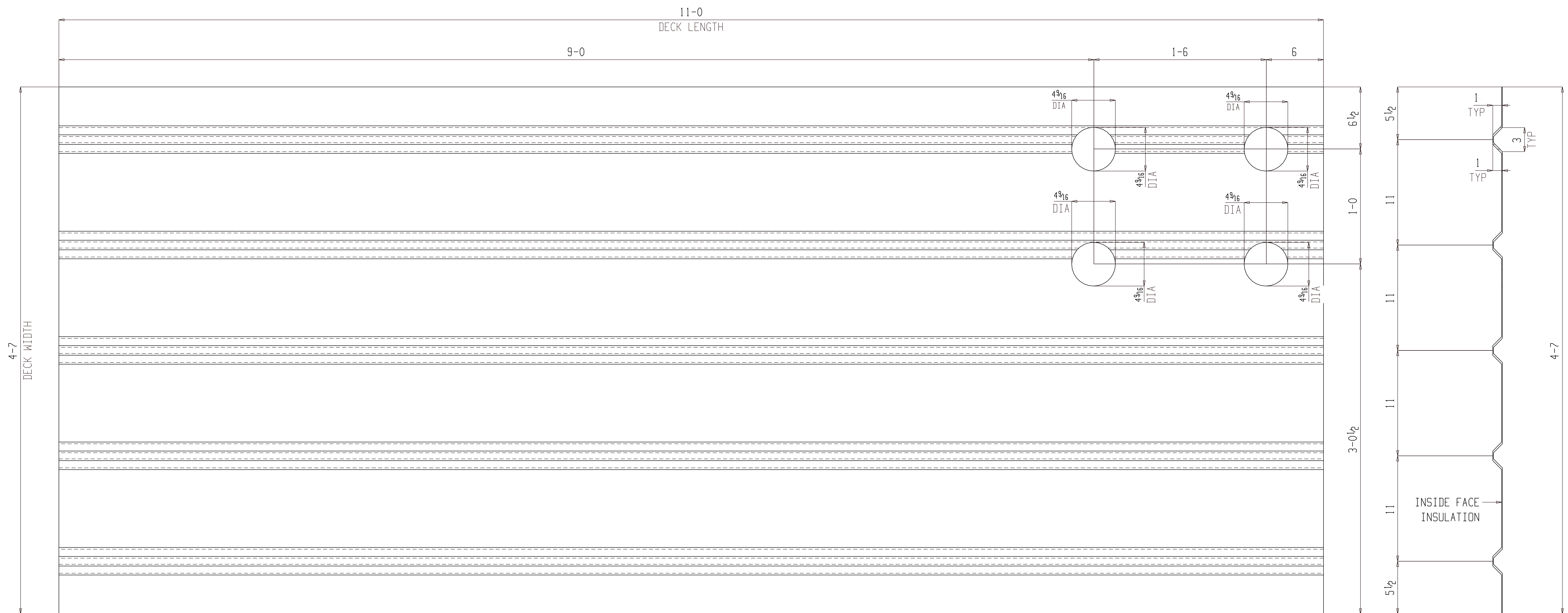
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M173
		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				154
	M175	1	PL 14GAx55	11-0			154

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

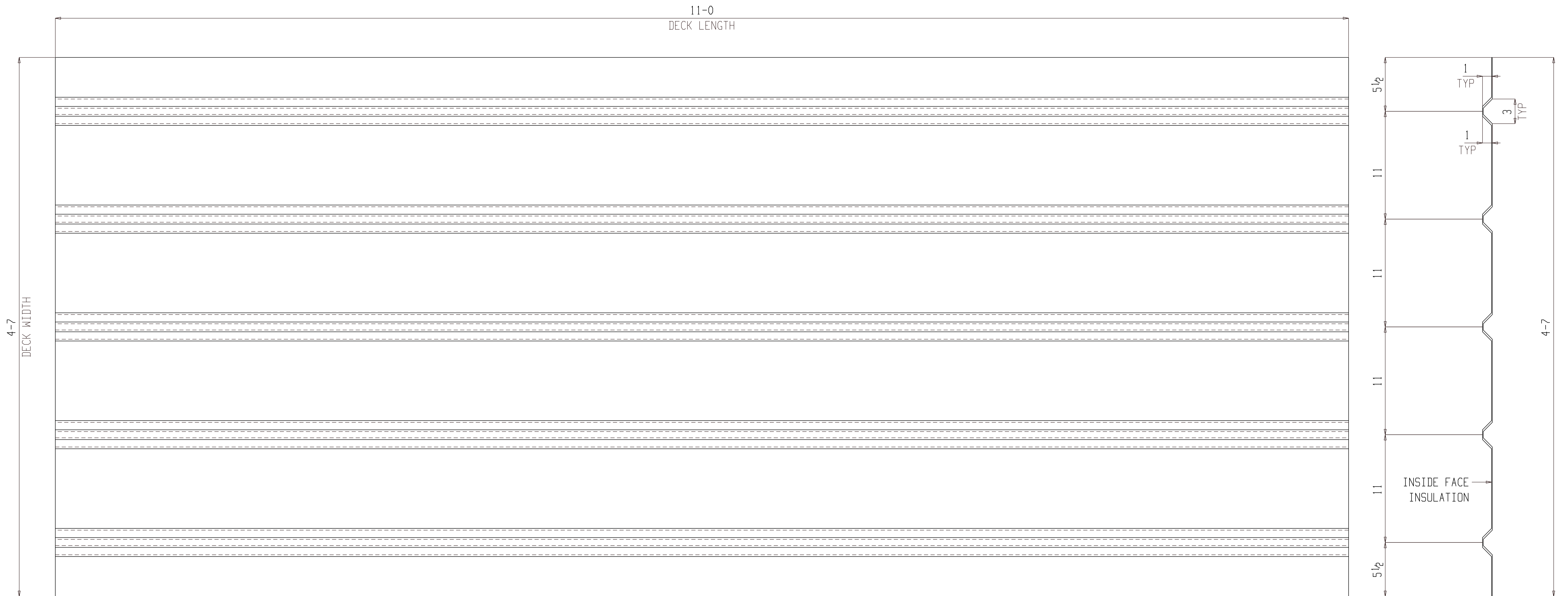
SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M175	REV	△



4 CORRUGATED PLATES M176

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M176		4	CORRUGATED PLATE				615
	M176	4	PL 14GAx55	11-0			615

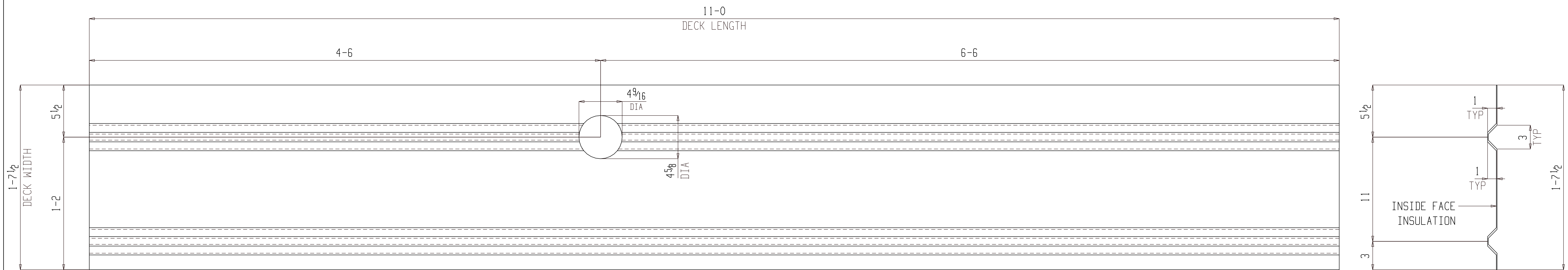
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M176
REV:	△		





ONE CORRUGATED PLATE M177

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

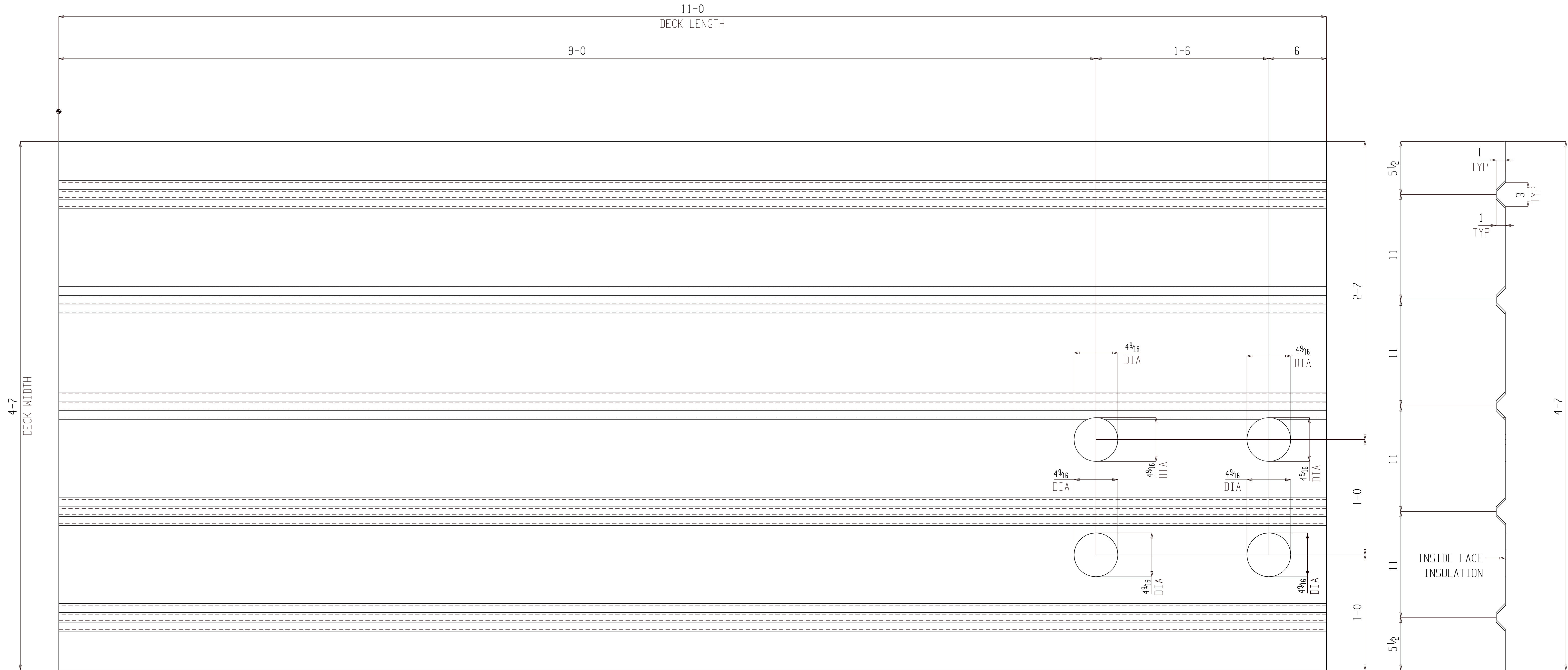
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M177		ONE	CORRUGATED PLATE				154
	M177	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M177
		REV	△



ONE CORRUGATED PLATE M178

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

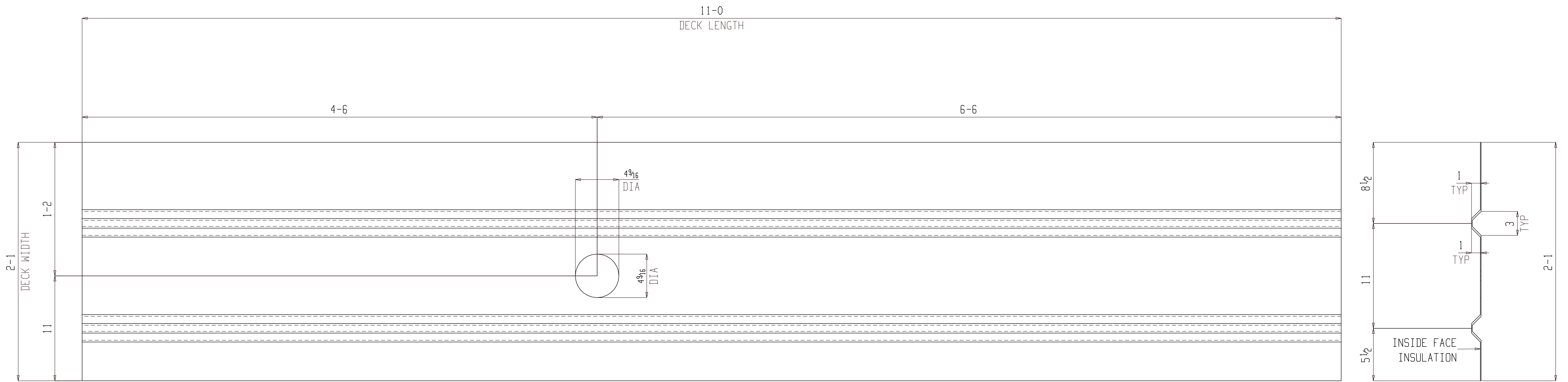
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M178		ONE	CORRUGATED PLATE				154
	M178	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M178
REV.	△		



ONE CORRUGATED PLATE M179

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

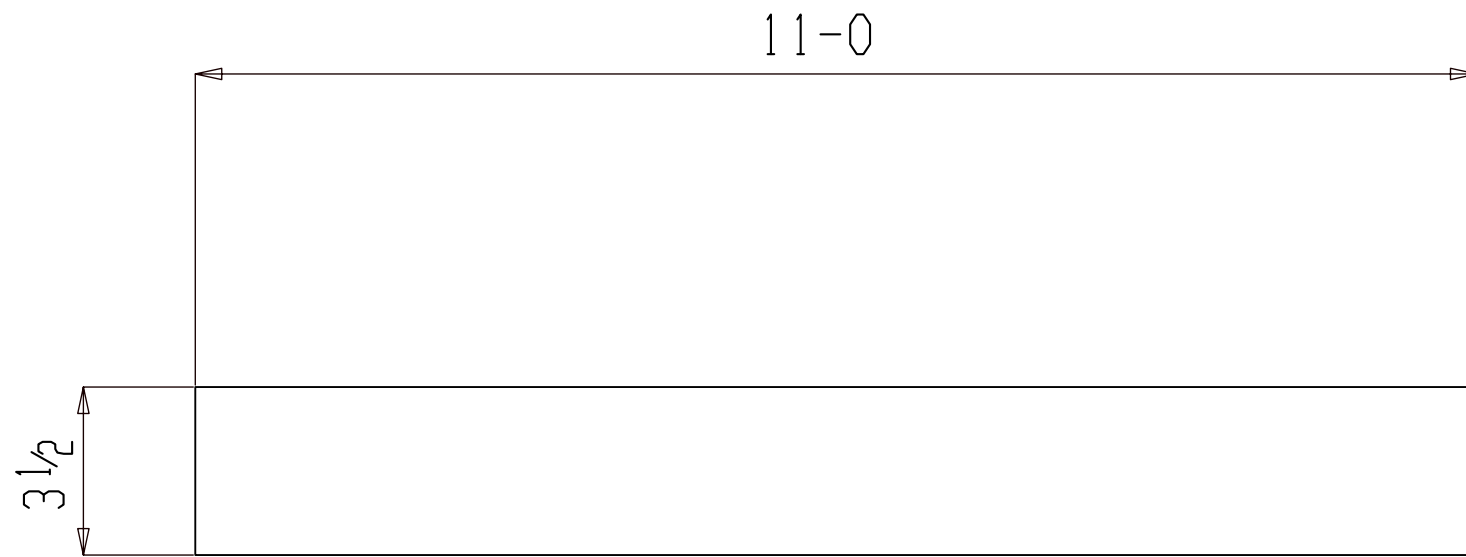
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M179		ONE	CORRUGATED PLATE				154
	M179	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M179
REV.	△		



ONE PLATE M180

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

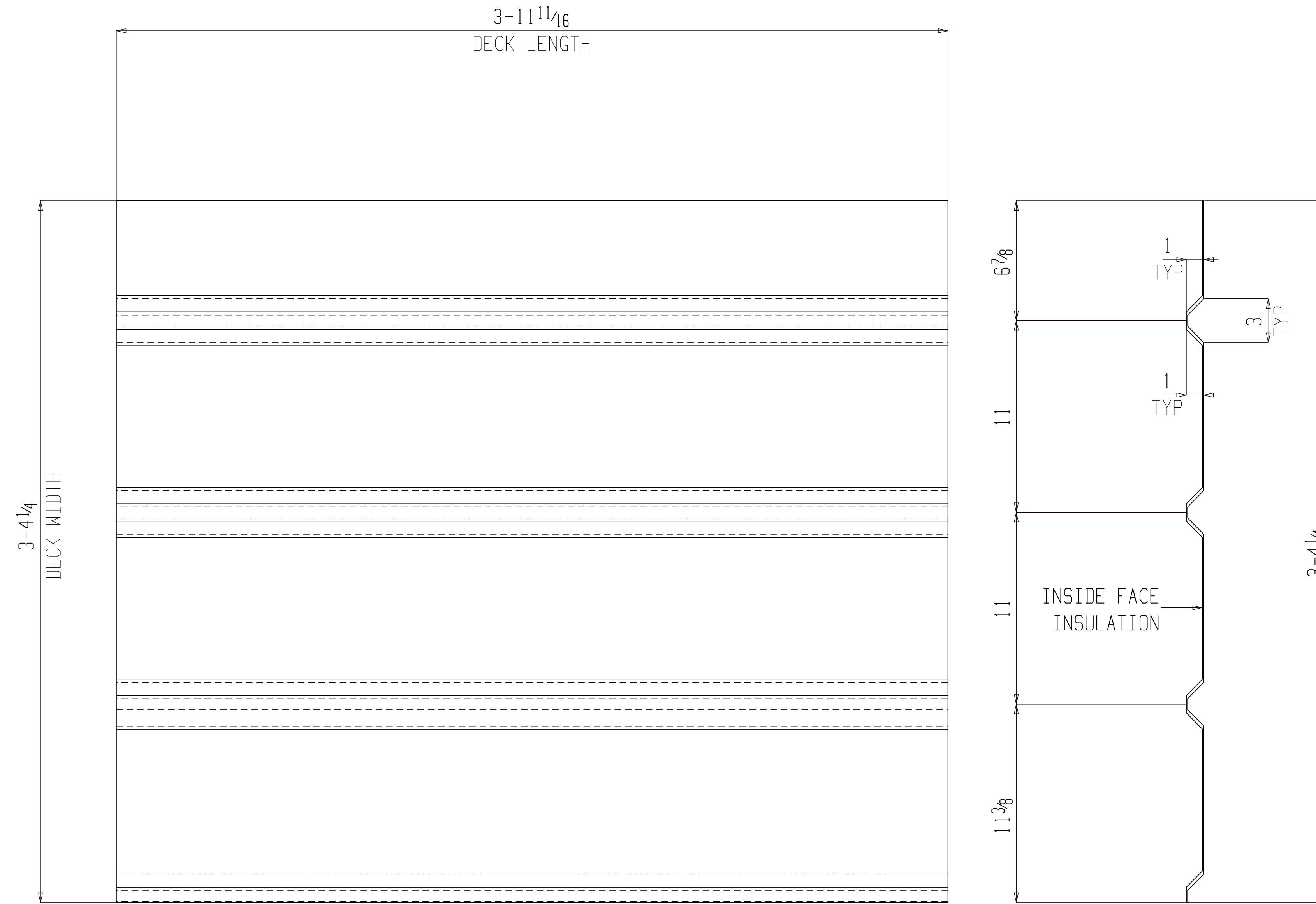
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M180		ONE	PLATE				10
	M180	1	PL14GAx3 1/2	11-0			10

**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:	NAPASKIAK 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	460	SHEET NO.	M180	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				56
	M182	1	PL14GAx55	3-11 1/16			56

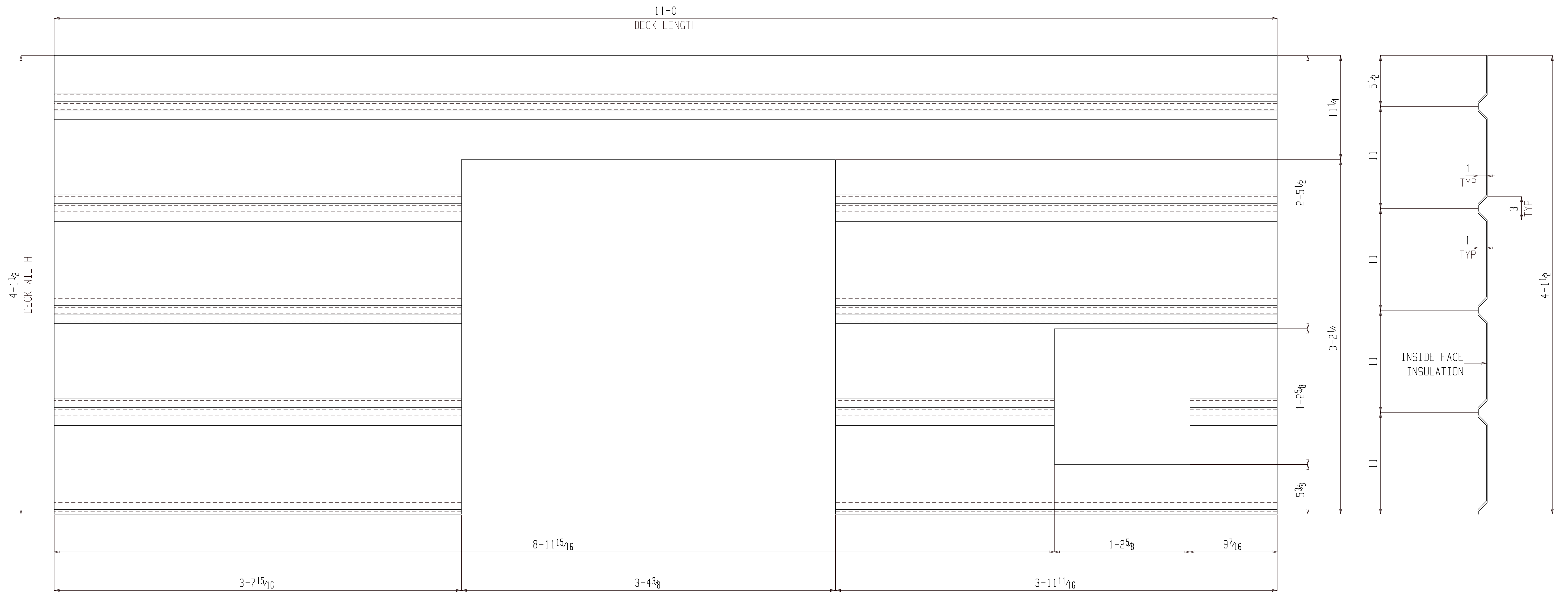
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M182	REV:	△



ONE CORRUGATED PLATE M183

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

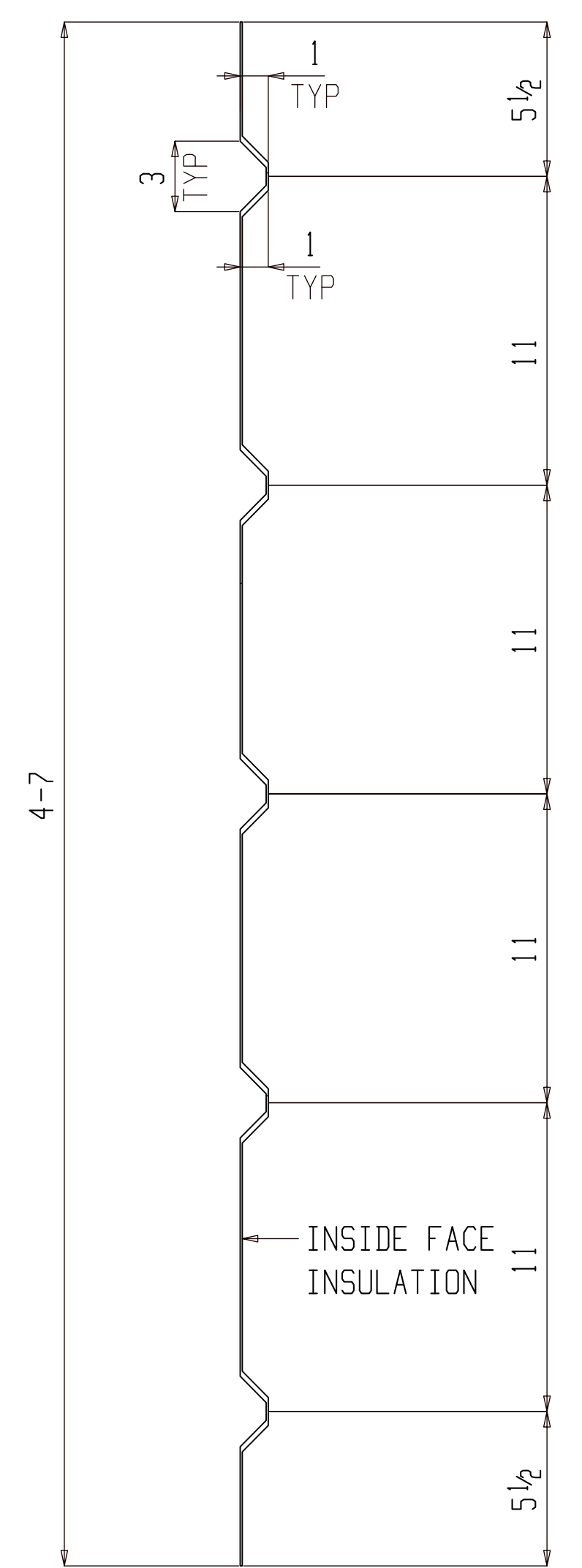
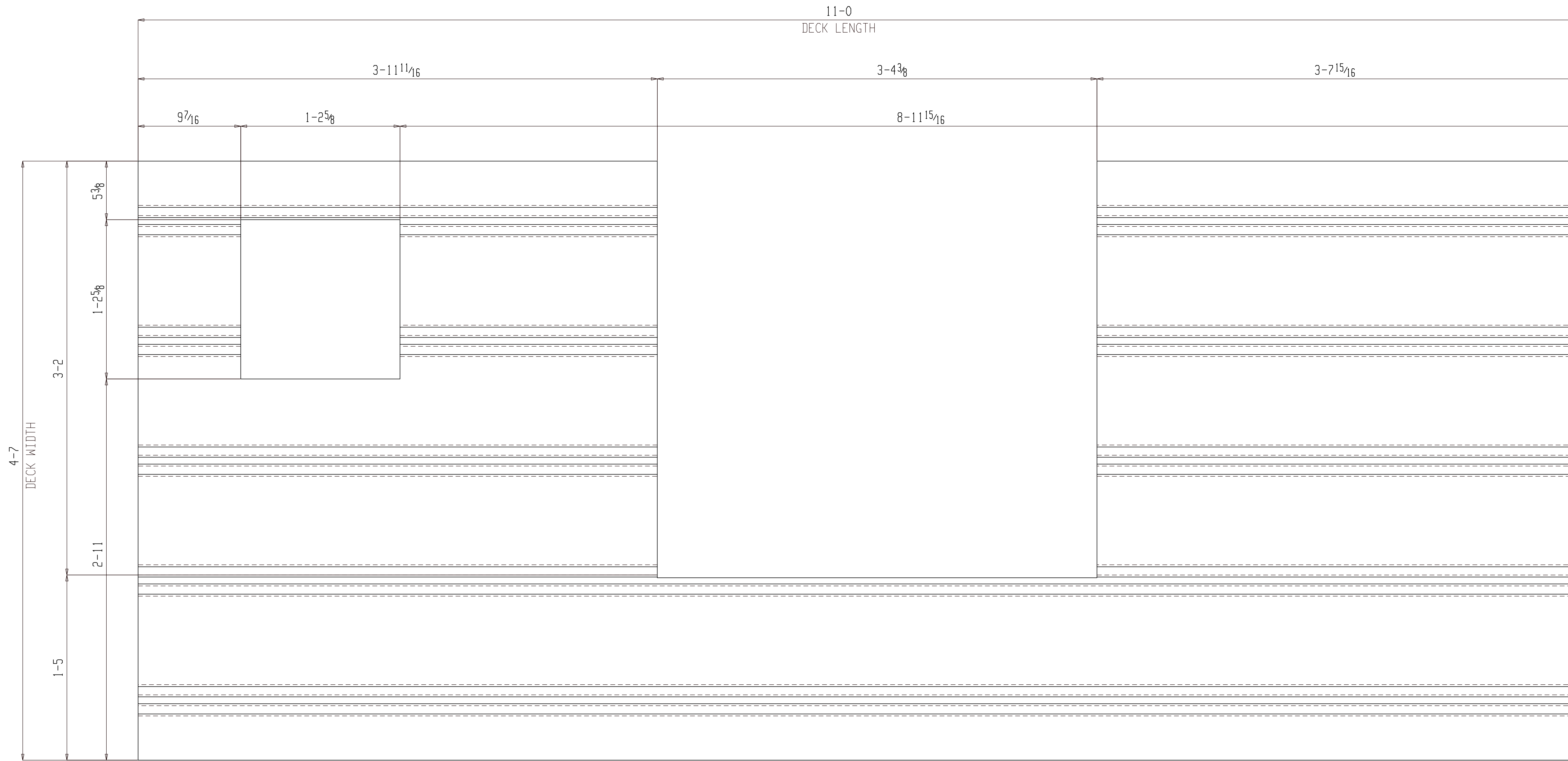
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M183		ONE	CORRUGATED PLATE				154
	M183	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	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				154
	M184	1	PL 14GAx55	11-0			154

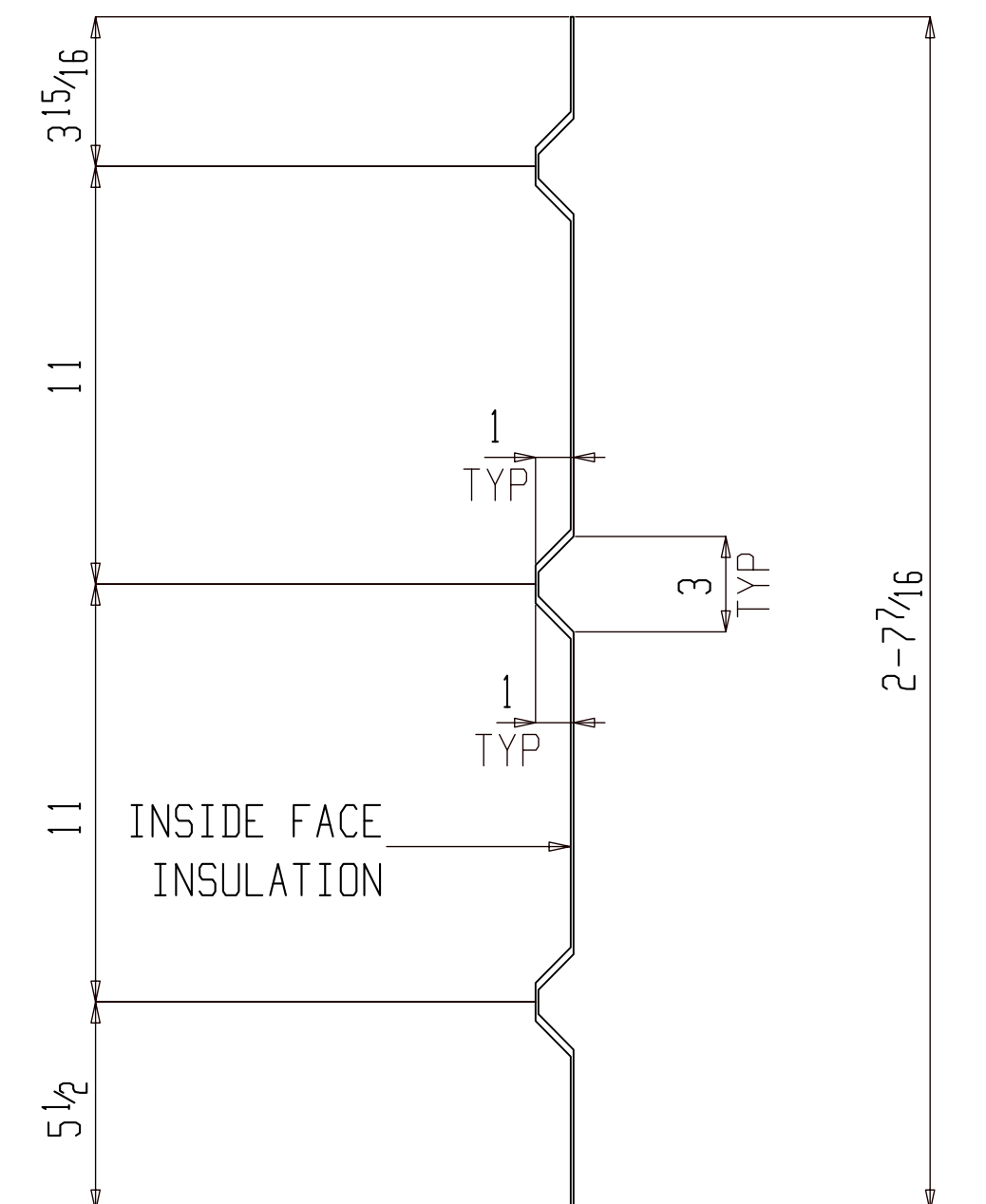
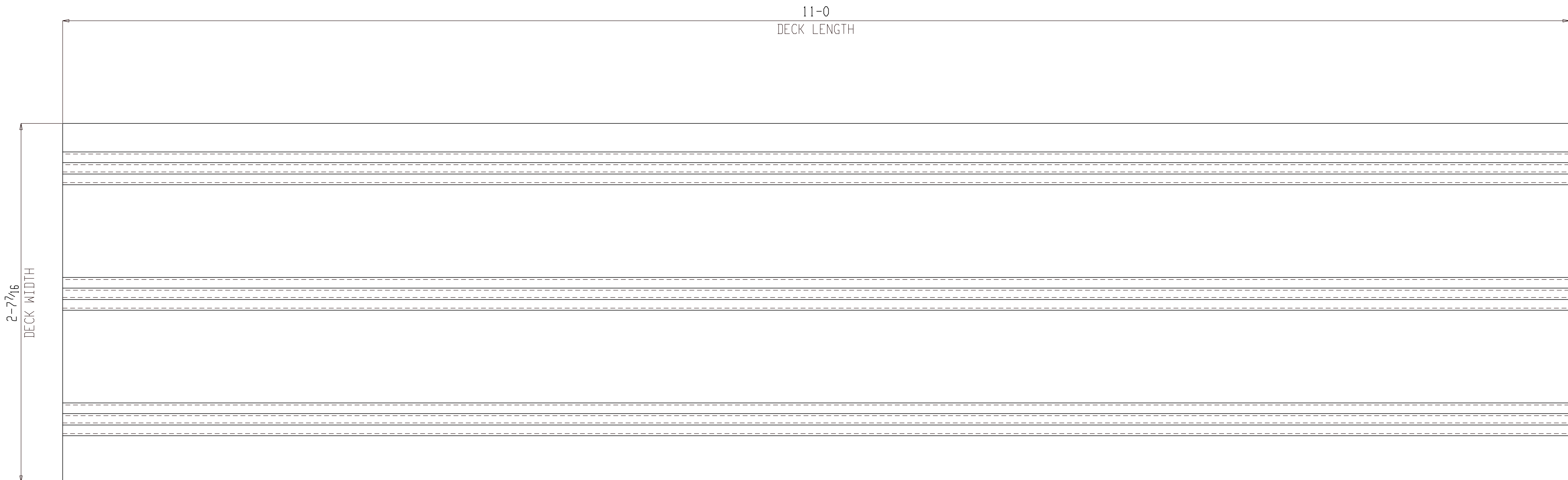
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M184
REV.	△		





ONE CORRUGATED PLATE M185

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

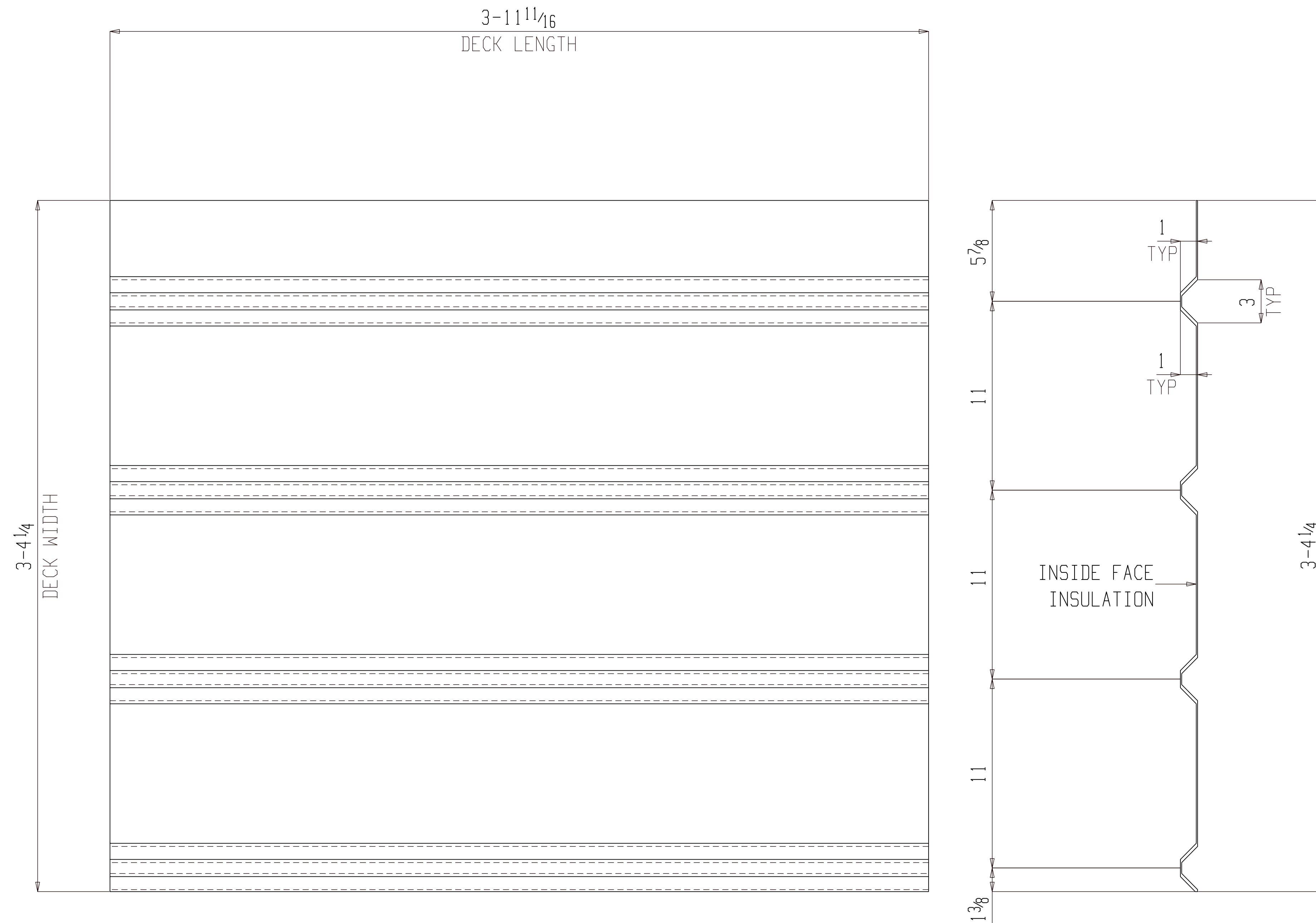
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M185		ONE	CORRUGATED PLATE				154
	M185	1	PL14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	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				56
	M186	1	PL 14GAx55	3-11 1/16			56

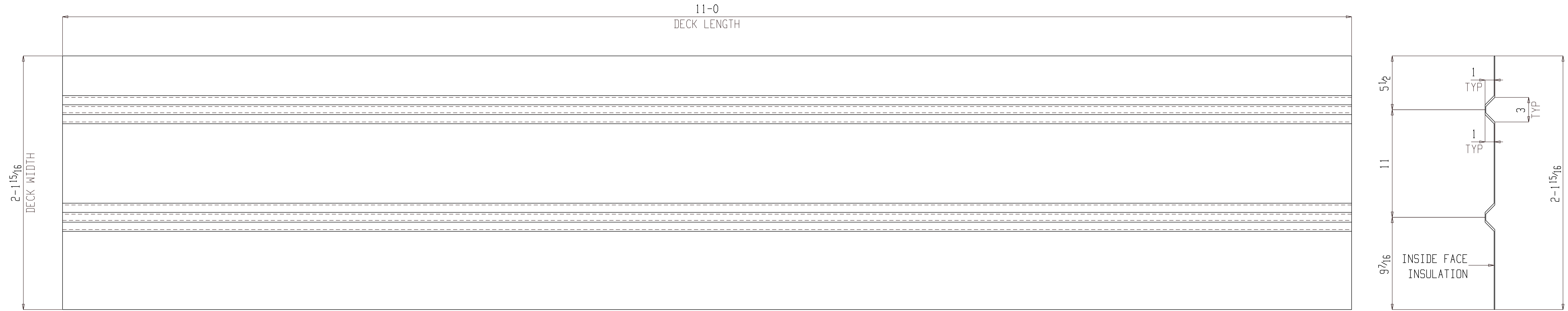
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M186	REV	△



ONE CORRUGATED PLATE M187

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

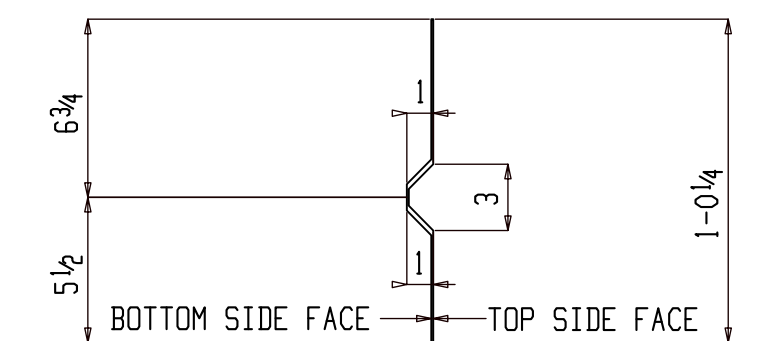
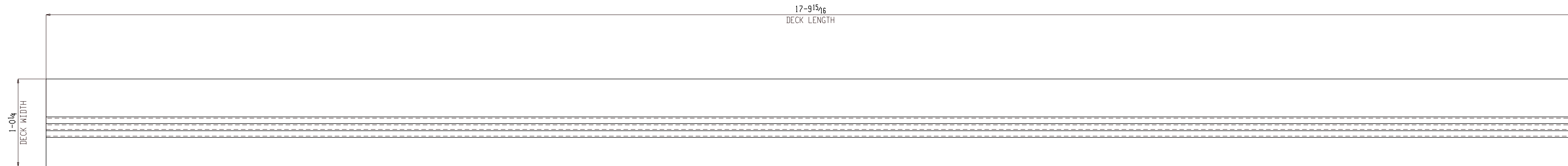
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M187		ONE	CORRUGATED PLATE				154
	M187	1	PL 14GAx55	11-0			154

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO.: M187	REV: △



ONE CORRUGATED PLATE M188

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

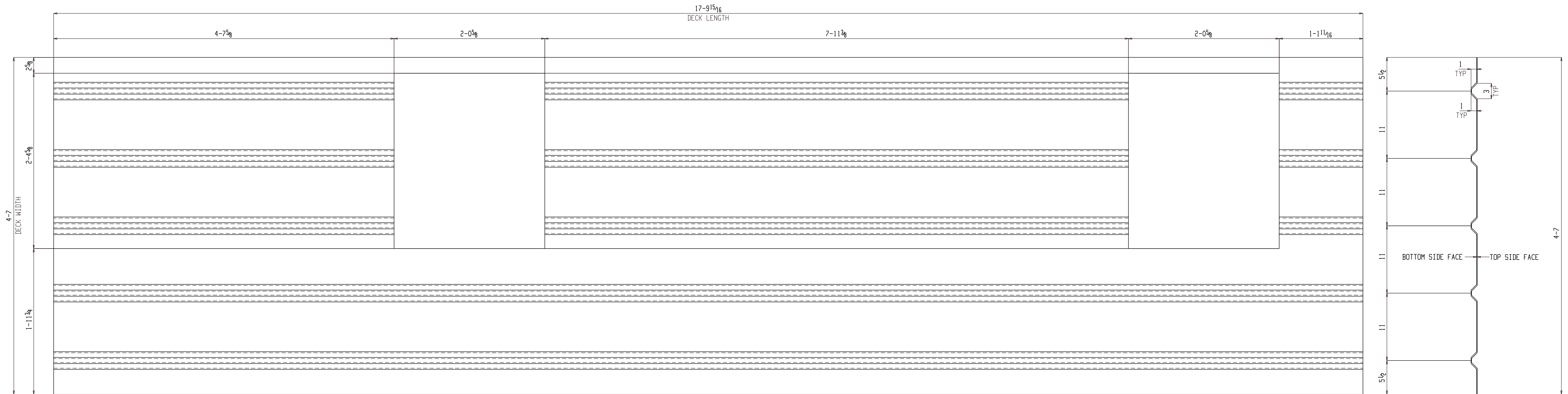
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M188		ONE	CORRUGATED PLATE				249
	M188	1	PL 14GAx55	17-9 <sup>15</sup> / <sub>16</sub>			249

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M188
REV	△		



ONE CORRUGATED PLATE M189

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

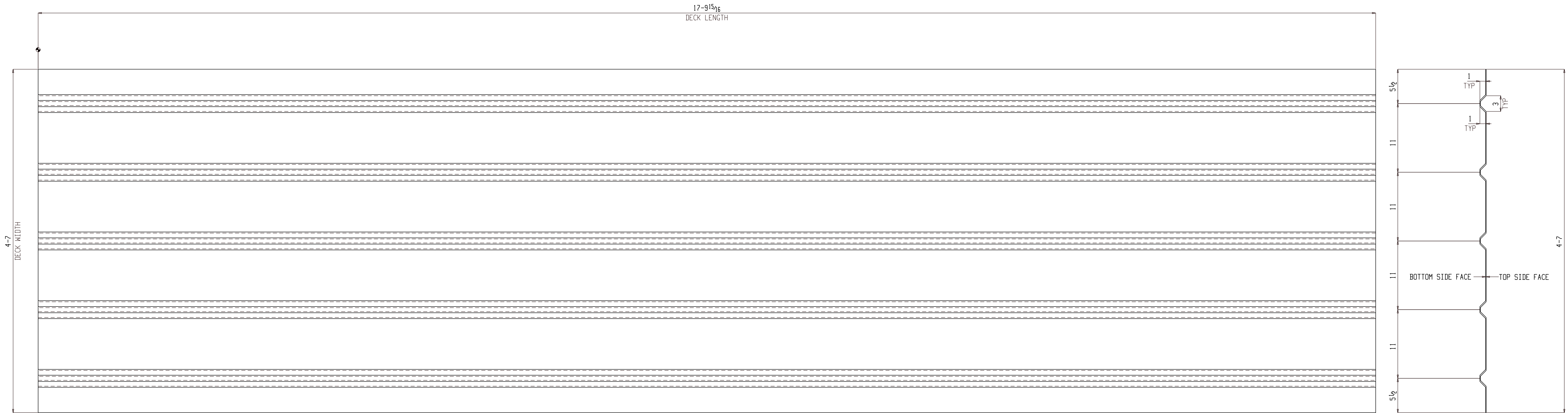
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M189		ONE	CORRUGATED PLATE				249
	M189	1	PL 14GAx55	17'-9 <sup>15</sup> / <sub>16</sub>			249

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M189
REV.	△		



2 CORRUGATED PLATES M190

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

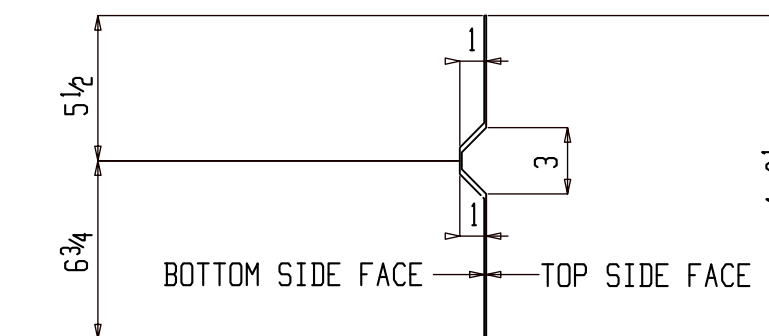
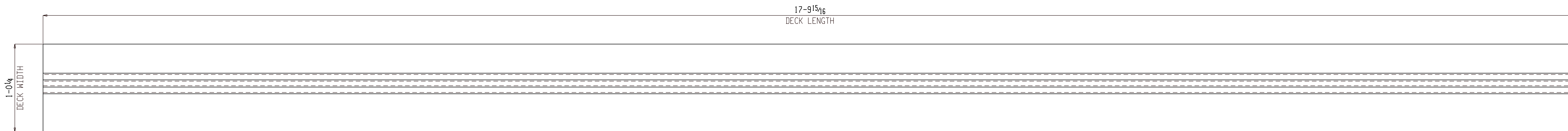
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M190		2	CORRUGATED PLATE				498
	M190	2	PL 14GAx55	17-9 <sup>15</sup> / <sub>16</sub>			498

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M190
REV.	△		



ONE CORRUGATED PLATE M191

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

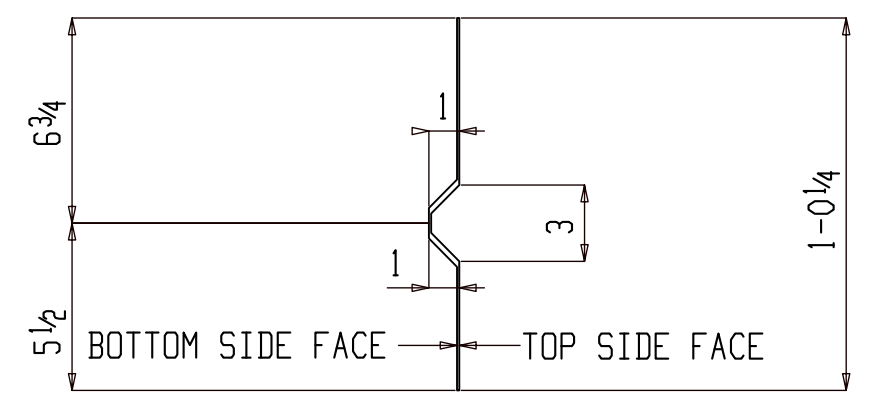
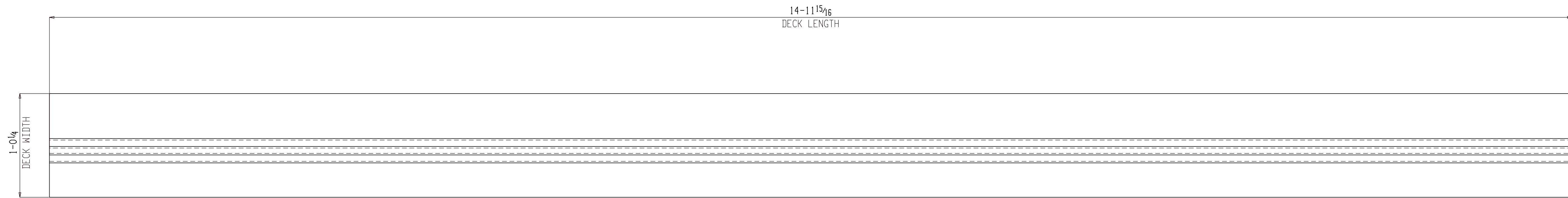
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M191		ONE	CORRUGATED PLATE				249
	M191	1	PL 14GAx55	17-9 <sup>15</sup> / <sub>16</sub>			249

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M191	REV	△



ONE CORRUGATED PLATE M192

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

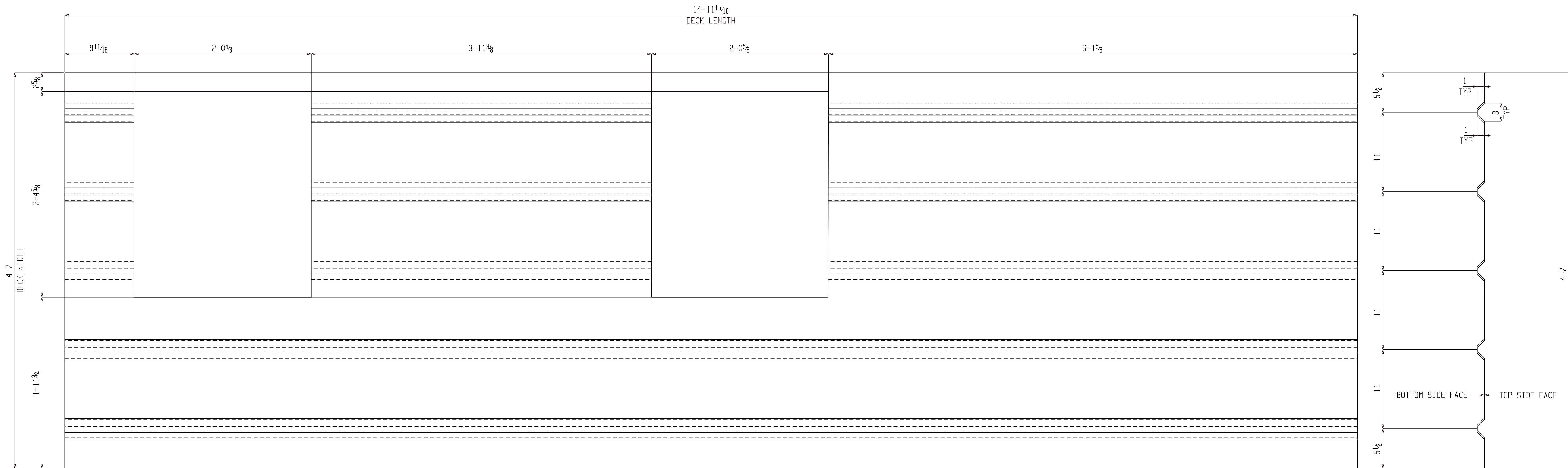
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M192		ONE	CORRUGATED PLATE				210
	M192	1	PL 14GAx55	14-11 <sup>15</sup> / <sub>16</sub>			210

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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	460	M192	△





ONE CORRUGATED PLATE M193

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

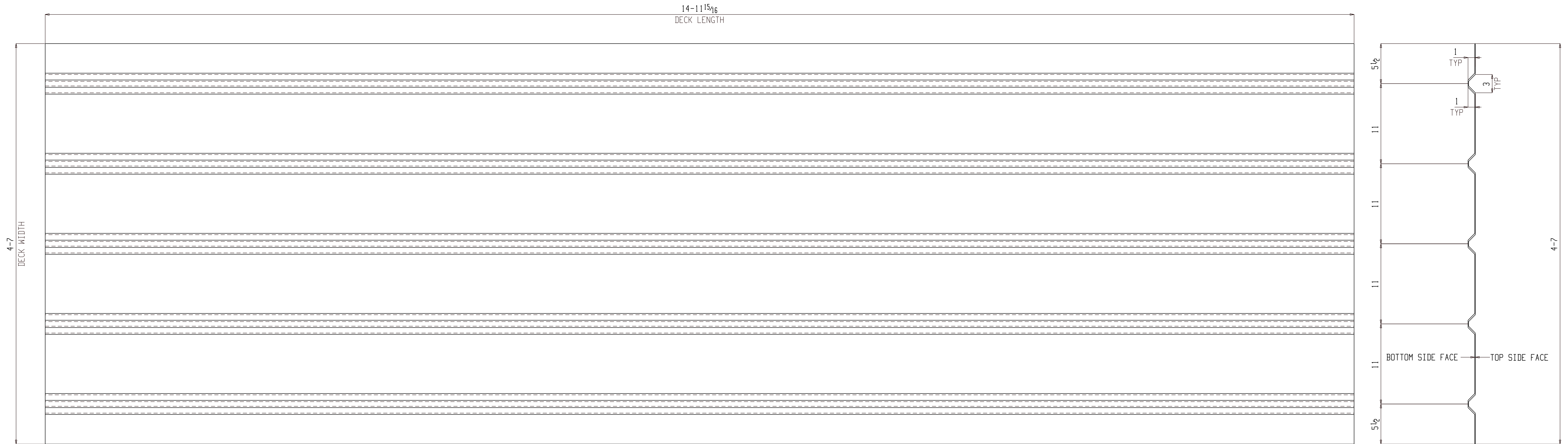
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M193		ONE	CORRUGATED PLATE				210
	M193	1	PL 14GAx55	14-11 15/16			210

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M193
		REV	△



2 CORRUGATED PLATES M194

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

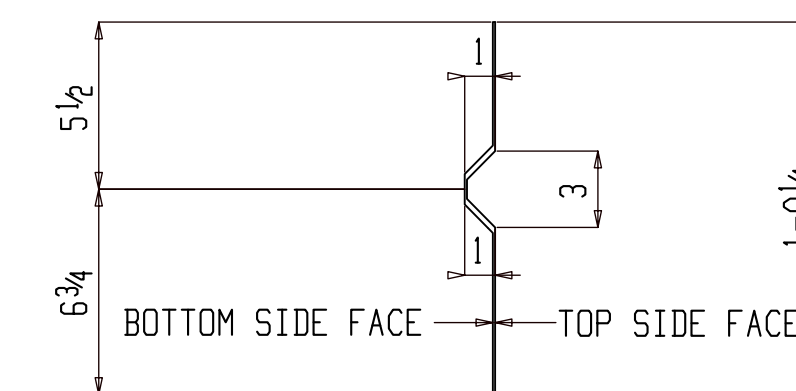
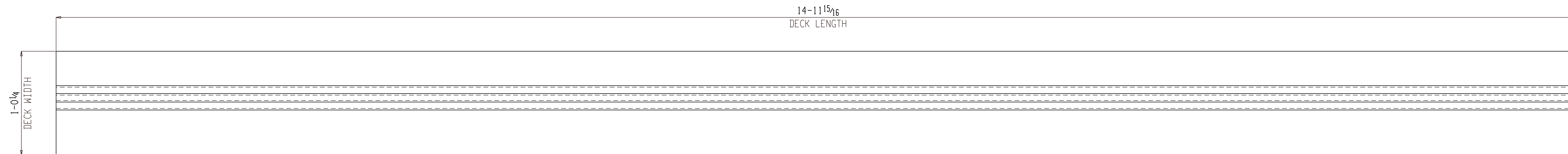
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M194		2	CORRUGATED PLATE				419
	M194	2	PL14GAx55	14-11 <sup>15</sup> / <sub>16</sub>			419

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M194
REV.	△		



ONE CORRUGATED PLATE M195

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M195		ONE	CORRUGATED PLATE				210
	M195	1	PL 14GAx55	14-11 <sup>15</sup> / <sub>16</sub>			210

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

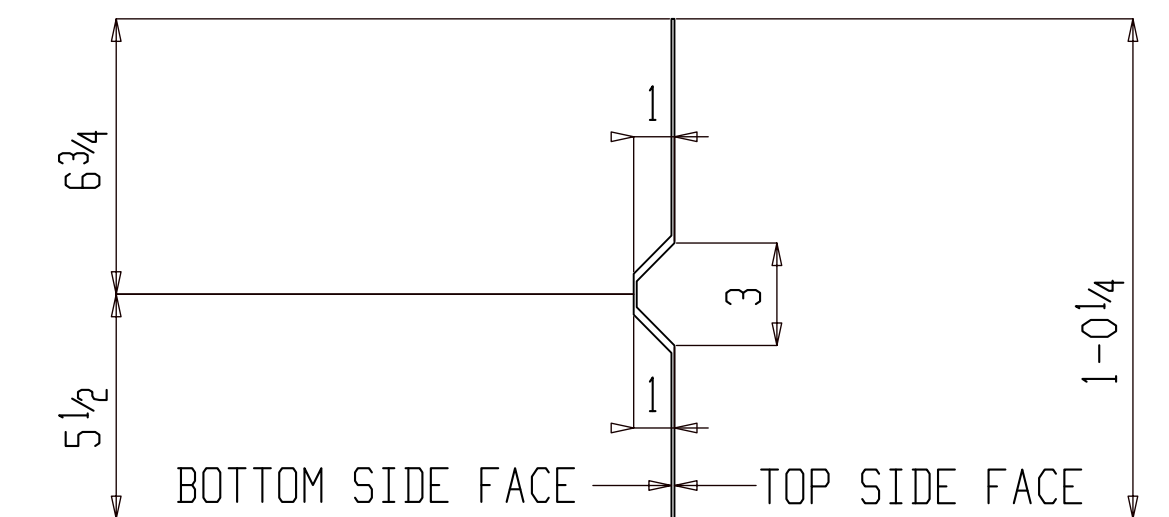
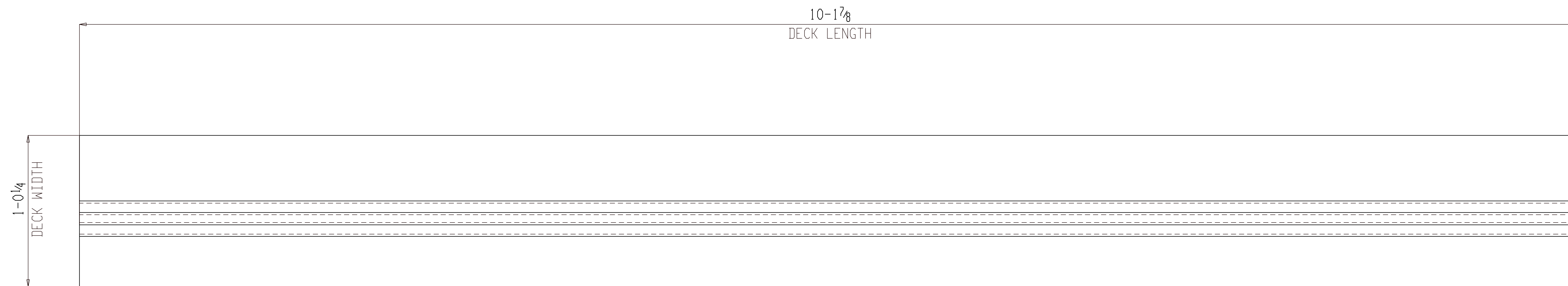
SHOP NOTES:

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

REV.	DESCRIPTION	BY	DATE
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M195	REV	△



ONE CORRUGATED PLATE M196

( ASSEMBLY REFER: AS101 )

NO PAINT

FOR FABRICATION

**BILL OF MATERIAL**

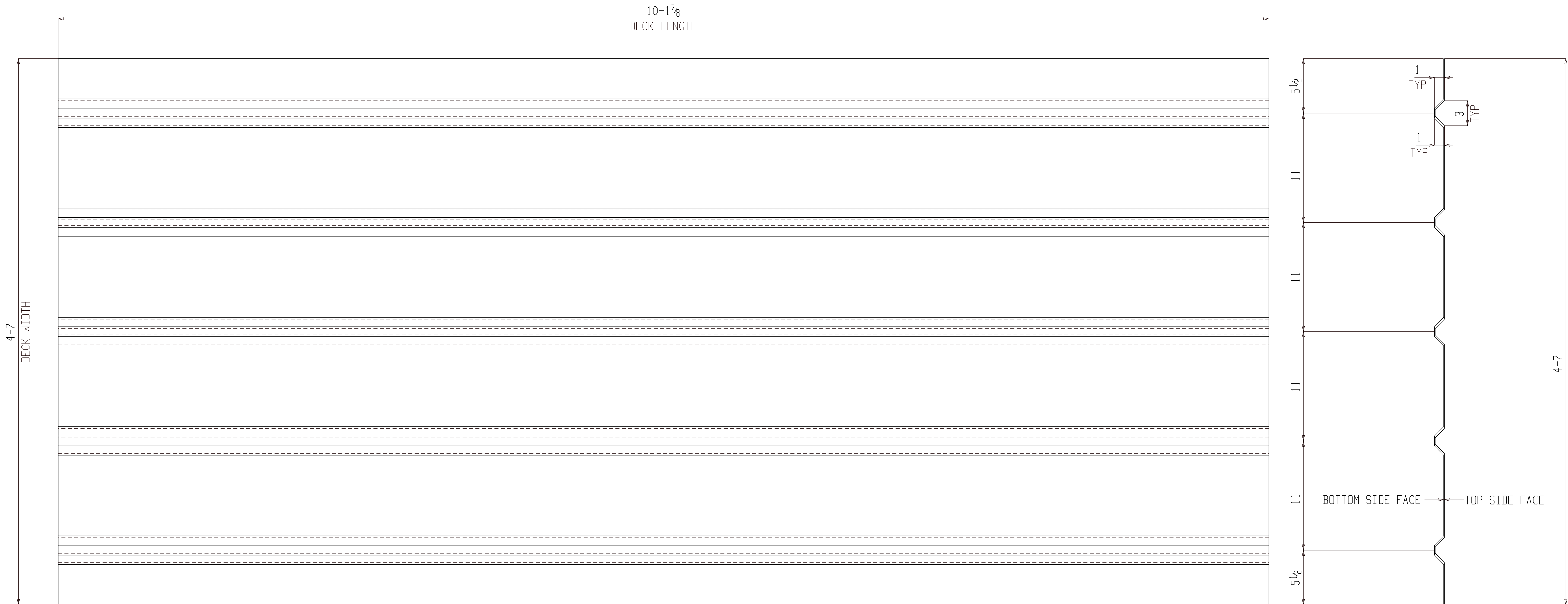
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M196		ONE	CORRUGATED PLATE				142
	M196	1	PL 14GAx55	10-1 7/8			142

**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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M196
		REV	△



**3 CORRUGATED PLATES M197**

(ASSEMBLY REFER: AS101)

NO PAINT

**FOR FABRICATION**

**BILL OF MATERIAL**

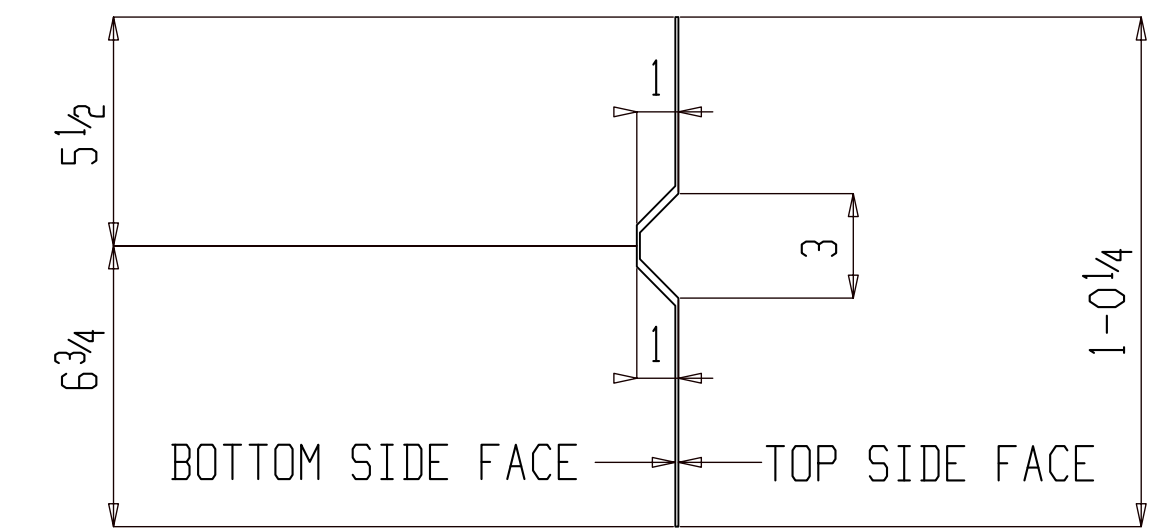
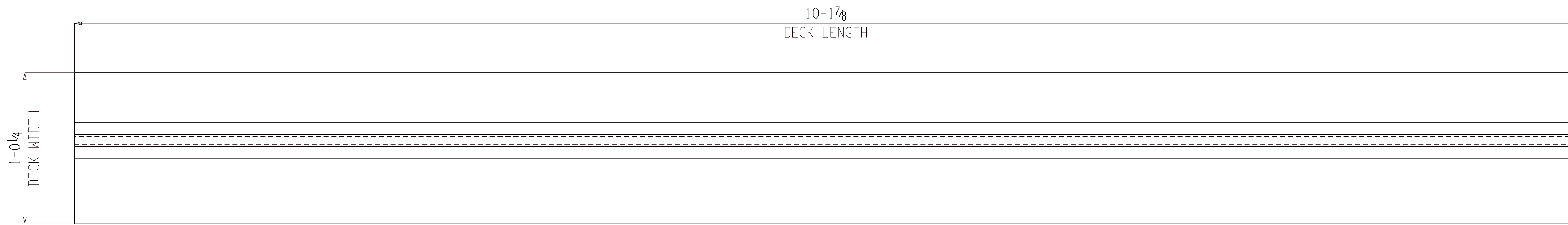
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M197		3	CORRUGATED PLATE				426
	M197	3	PL 14GAx55	10-1 7/8			426

**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	07-21-22
△	For Re-Approval			ALN	07-13-22
△	For Approval			ALN	07-06-22
REV.	DESCRIPTION	BY	DATE		
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
CLEANING:					
JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	M197
		REV			△



ONE CORRUGATED PLATE M198

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

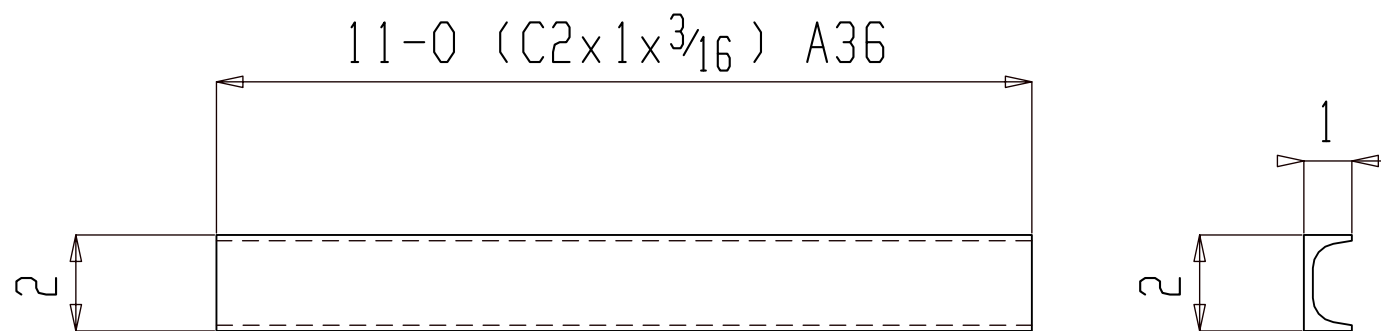
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M198		ONE	CORRUGATED PLATE				142
	M198	1	PL 14GAx55	10-17/8			142

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M198
		REV	△



51 MISCS M199

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

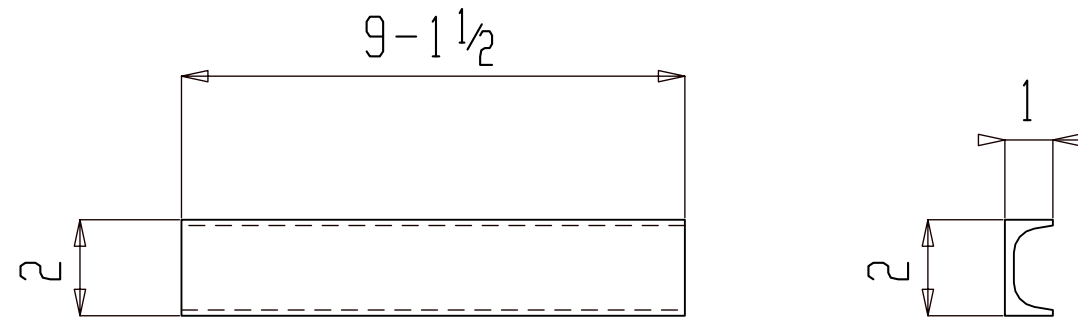
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M199		51	MISC				1442
	M199	51	C2x1x <sup>3</sup> / <sub>16</sub>	11-0		A36	1442

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M199
		REV	△



8 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		8	MISC				188
	M200	8	C2x1x3/16	9-1/2		A36	188

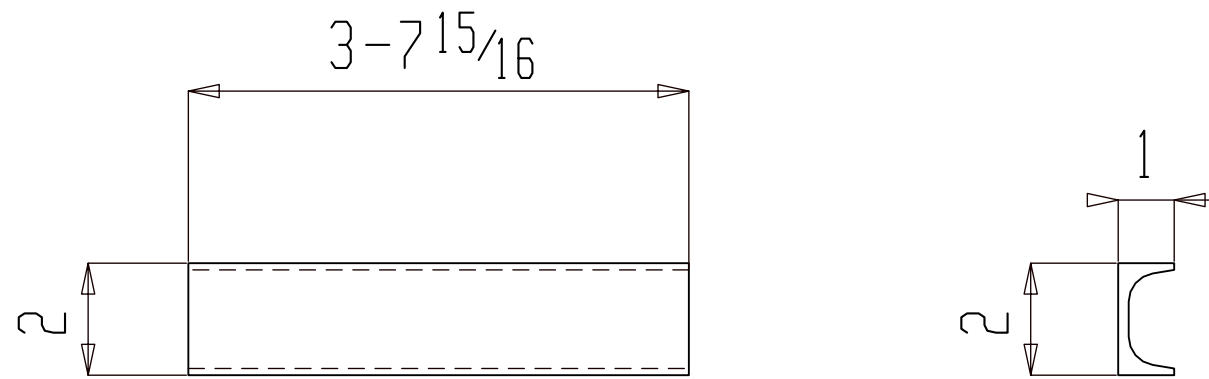
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. M200
			REV △







2 MISCS M202

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

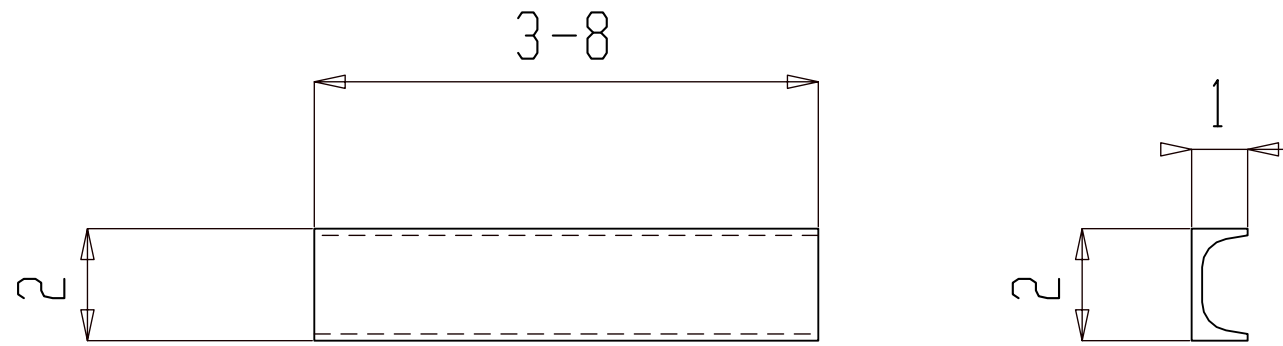
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M202		2	MISC				19
	M202	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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:		E70XX	CLEANING:
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M202
		REV	△



2 MISCS M203

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

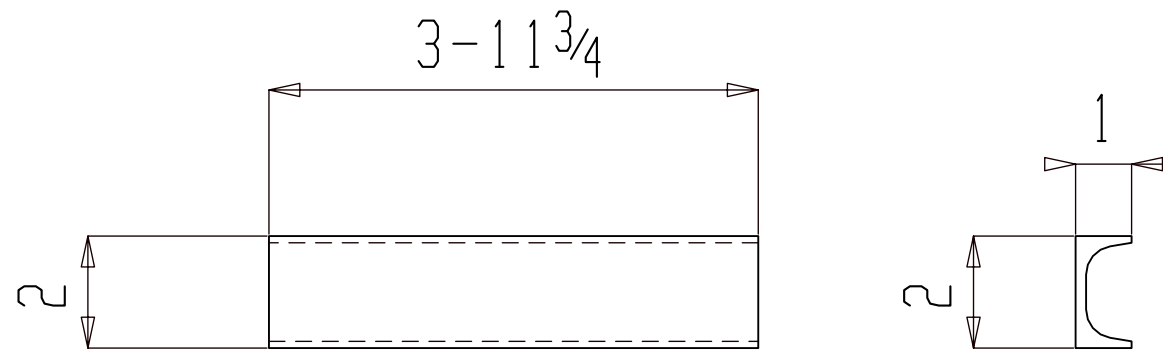
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M203		2	MISC				19
	M203	2	C2x1x3/16	3-8		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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. M203
		REV	△



9 MISCS M204

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

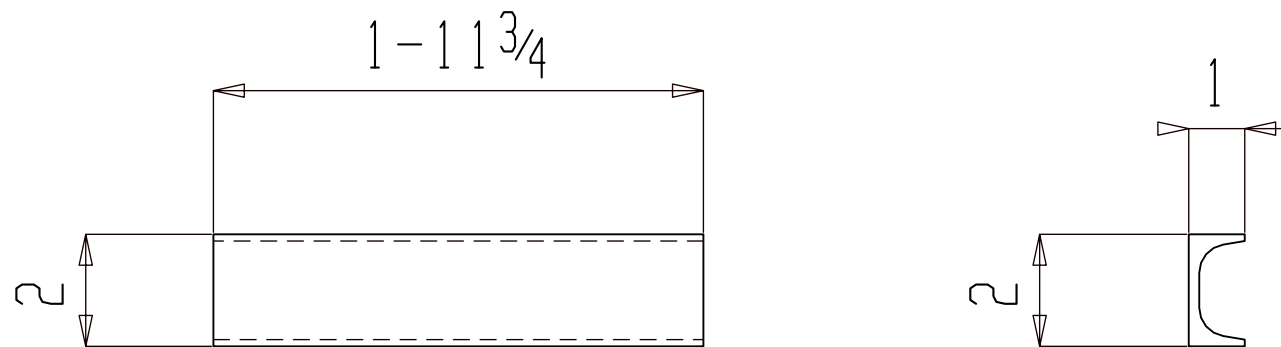
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M204		9	MISC				92
	M204	9	C2x1x3/16	3-11 3/4		A36	92

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M204
		REV	△



ONE MISC M205

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

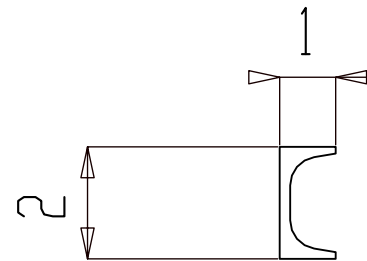
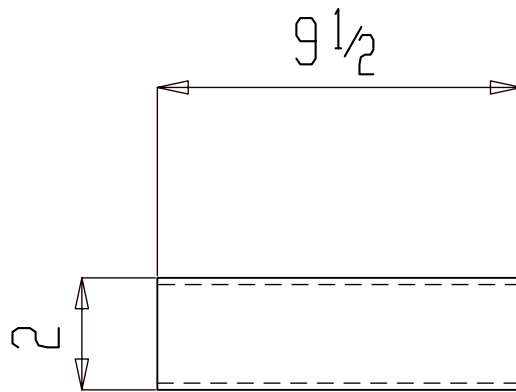
SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M205		ONE	MISC				5
	M205	1	C2x1x3/16	1-11 3/4		A36	5

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:	NAPASKIAK 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	460	SHEET NO.	M205	REV	△



ONE MISC M206

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

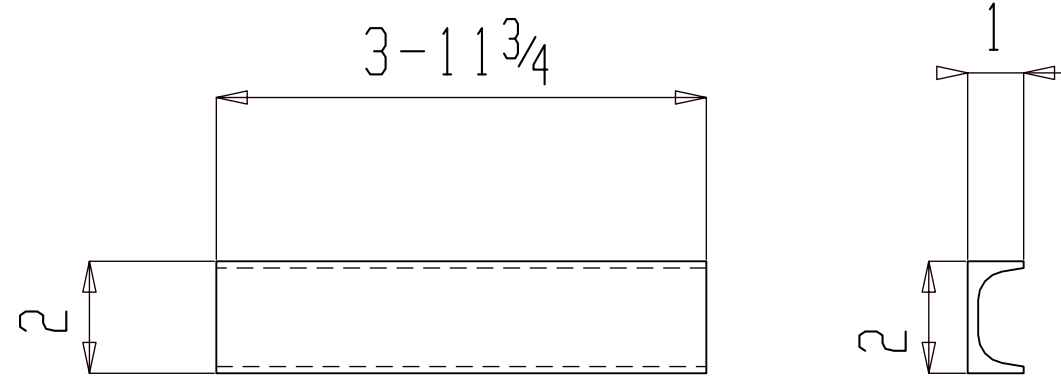
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M206		ONE	MISC				2
	M206	1	C2x1x3/16	9 1/2		A36	2

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M206	REV	△



2 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		2	MISC				20
	M207	2	C2x1x3/16	3-11 3/4		A36	20

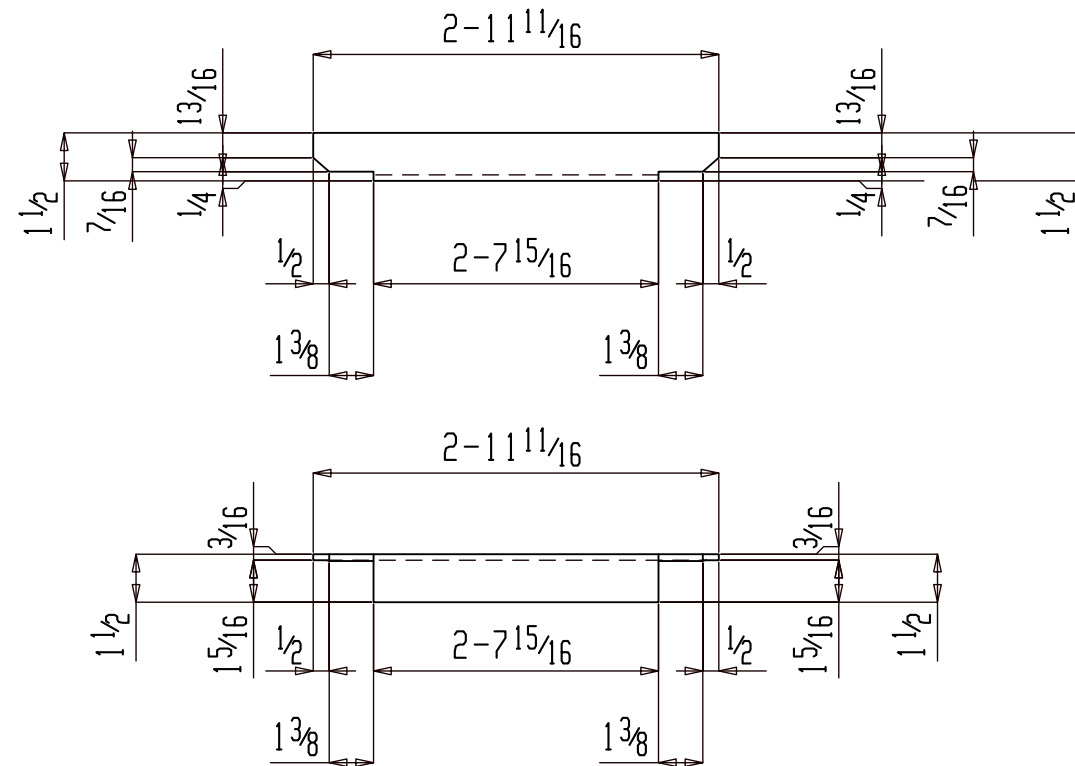
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :												
DEG REF. SPEC. / DWG :												
△												
△	For Fabrication			ALN	07-21-22							
△	For Re-Approval			ALN	07-13-22							
△	For Approval			ALN	07-06-22							
REV.		DESCRIPTION		BY	DATE							
<table border="0"> <tr> <td>HOLES U.N.</td> <td>13/16Ø</td> <td>PAIN T U.N.</td> <td>NO PAINT</td> <td>WELDS:</td> <td>E70XX</td> <td>CLEANING:</td> </tr> </table>						HOLES U.N.	13/16Ø	PAIN T U.N.	NO PAINT	WELDS:	E70XX	CLEANING:
HOLES U.N.	13/16Ø	PAIN T U.N.	NO PAINT	WELDS:	E70XX	CLEANING:						
JOB NAME: NAPASKIAK 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								
		460	M207	△								







5 MISCS M209

ASSEMBLY REFER : AS101

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M209		5	MISC				27
	M209	5	L1 1/2 x 1 1/2 x 3/16	2-11 11/16		A36	27

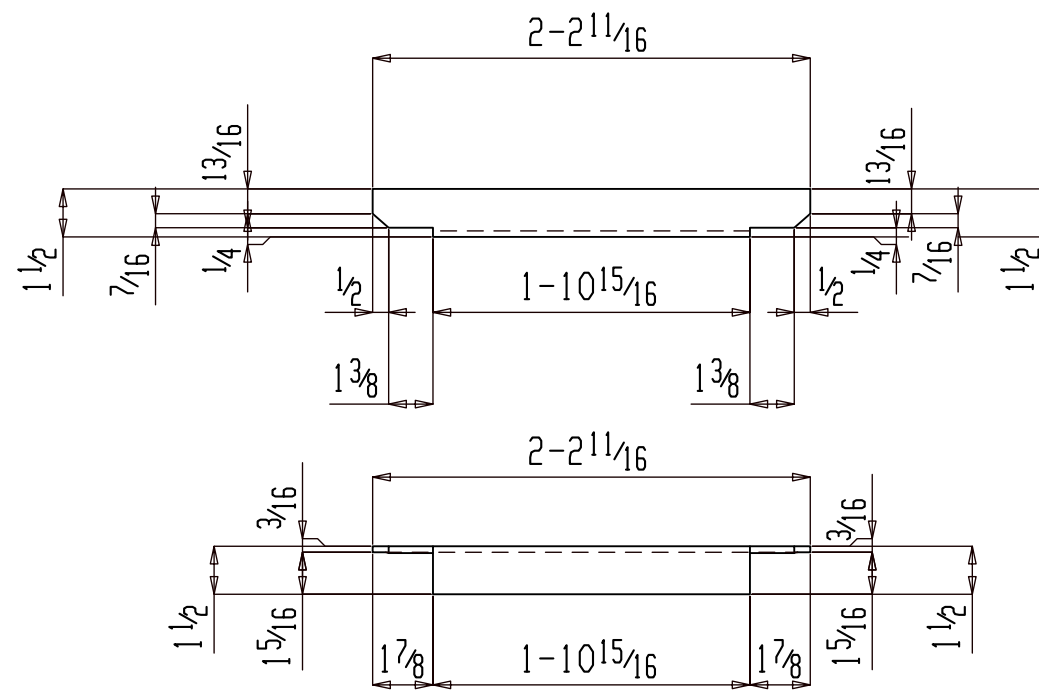
**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M209	REV	△





10 MISCS M211

ASSEMBLY REFER : AS101

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

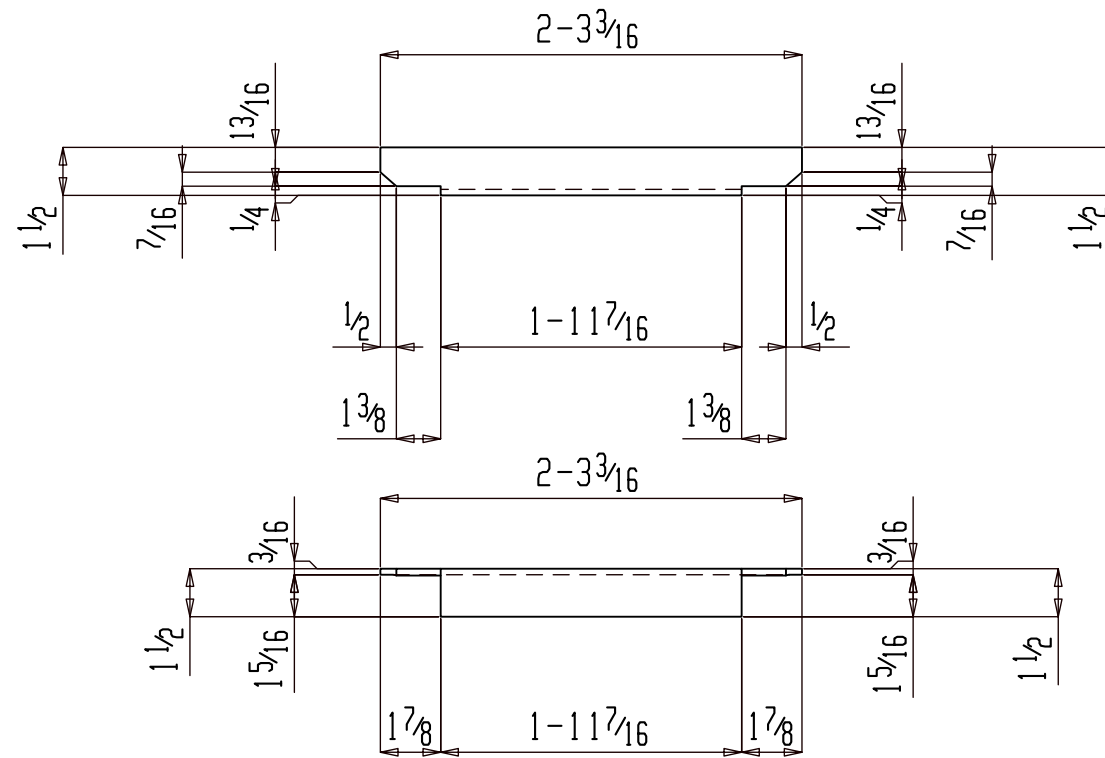
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M211		10	MISC				40
	M211	10	L1 1/2 x 1 1/2 x 3/16	2-2 11/16		A36	40

**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:	NAPASKIAK 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	460	SHEET NO.	M211	REV	△



10 MISCS M212

ASSEMBLY REFER : AS101

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M212		10	MISC				41
	M212	10	L1 1/2 x 1 1/2 x 3/16	2-3 3/16		A36	41

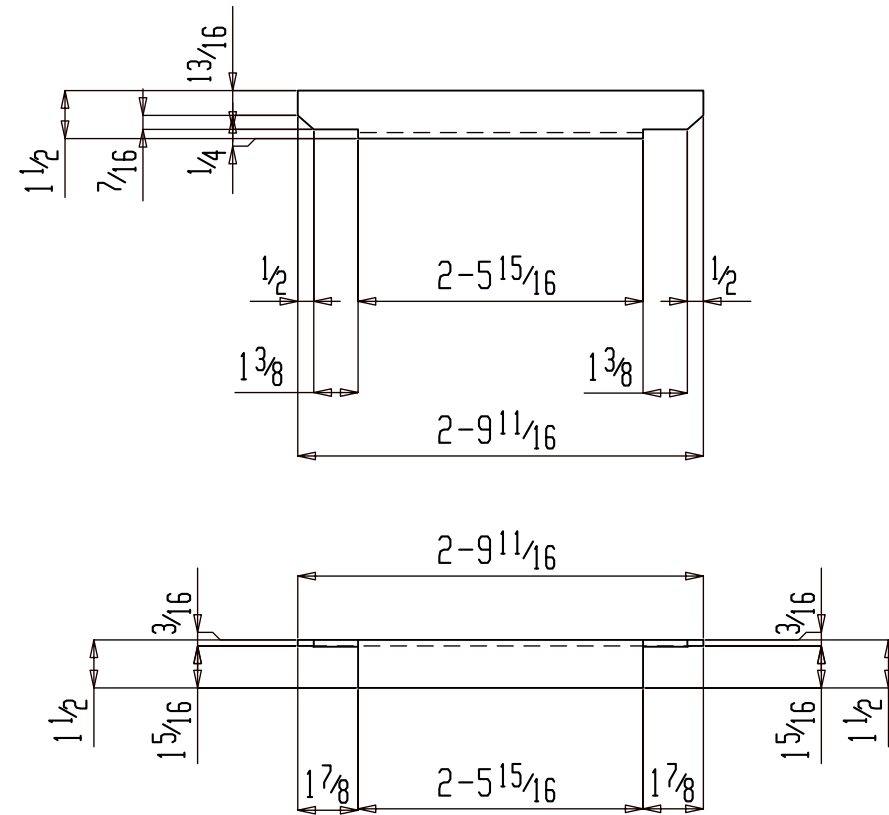
**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M212	REV	△





5 MISCS M214

ASSEMBLY REFER : AS101

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

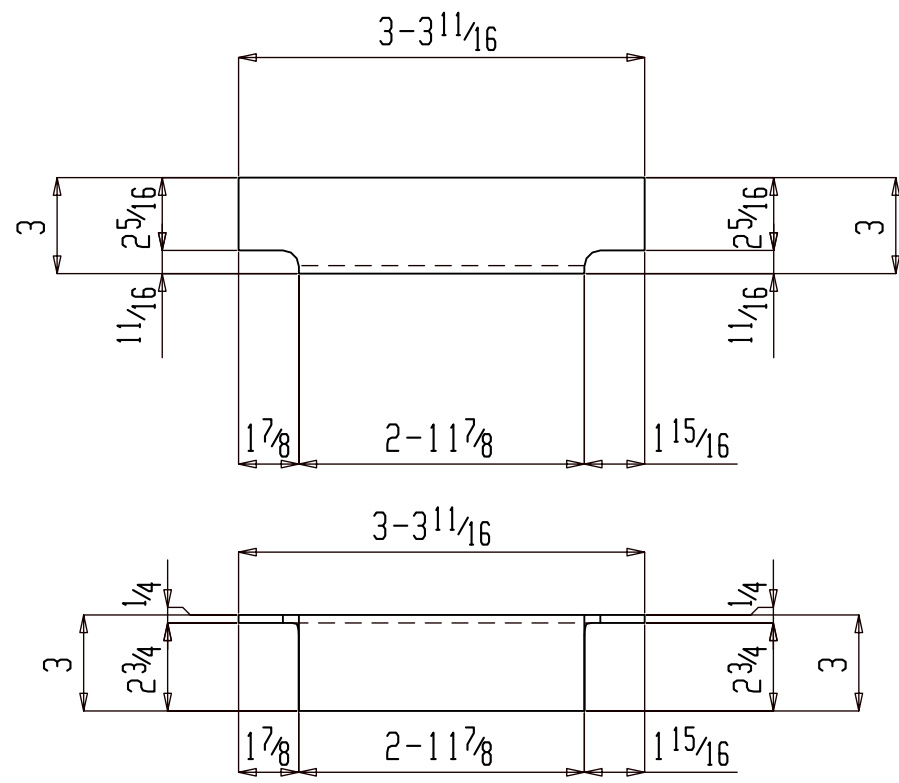
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M214		5	MISC				25
	M214	5	L1 1/2 x 1 1/2 x 3/16	2-9 11/16		A36	25

**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:	NAPASKIAK 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	460	SHEET NO.	M214	REV	△





10 MISCS M216

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M216		10	MISC				162
	M216	10	L3x3x1/4	3-3 11/16		A36	162

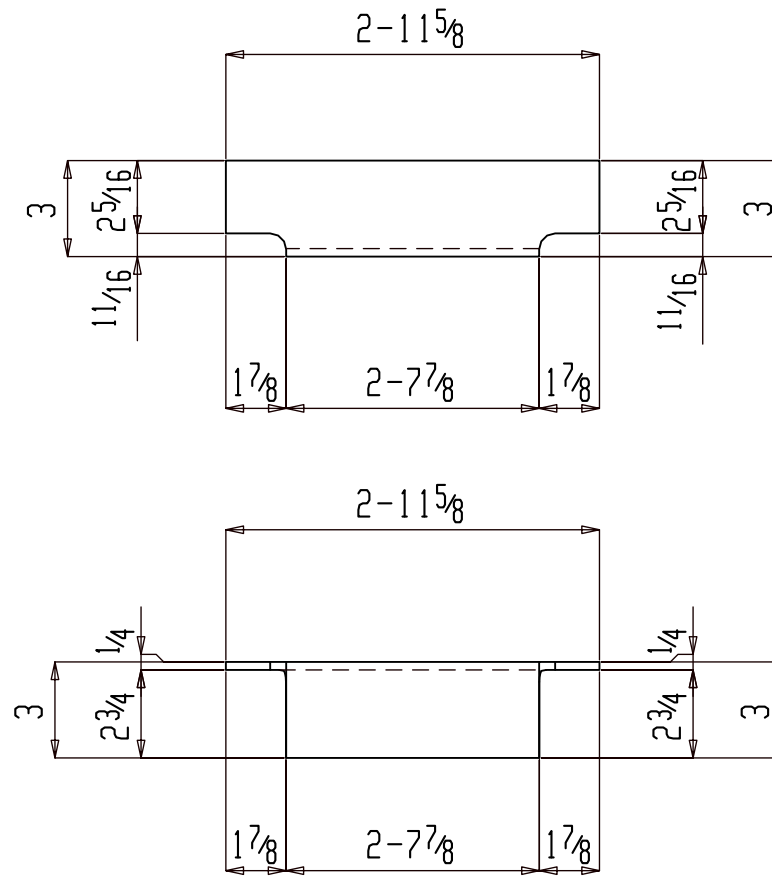
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M216	REV	△





5 MISCS M217

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

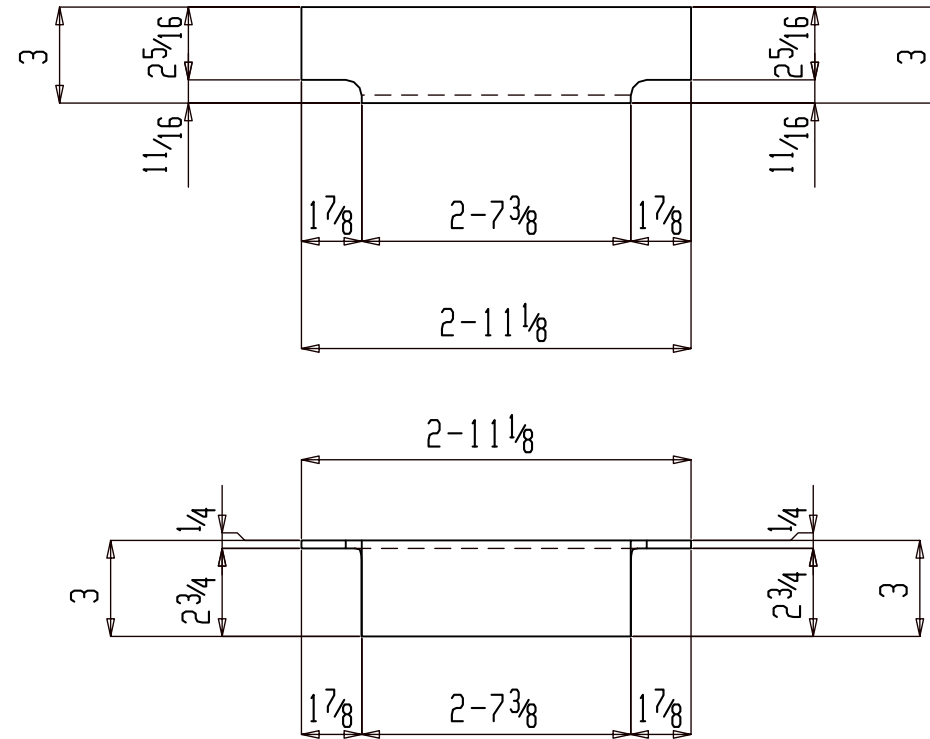
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M217		5	MISC				73
	M217	5	L3x3x1/4	2-11 5/8		A36	73

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-21-22
△	For Re-Approval			ALN	07-13-22
△	For Approval			ALN	07-06-22
REV.		DESCRIPTION		BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX
				CLEANING:	
JOB NAME:	NAPASKIAK 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		
	460	M217	△		



15 MISCS M218

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

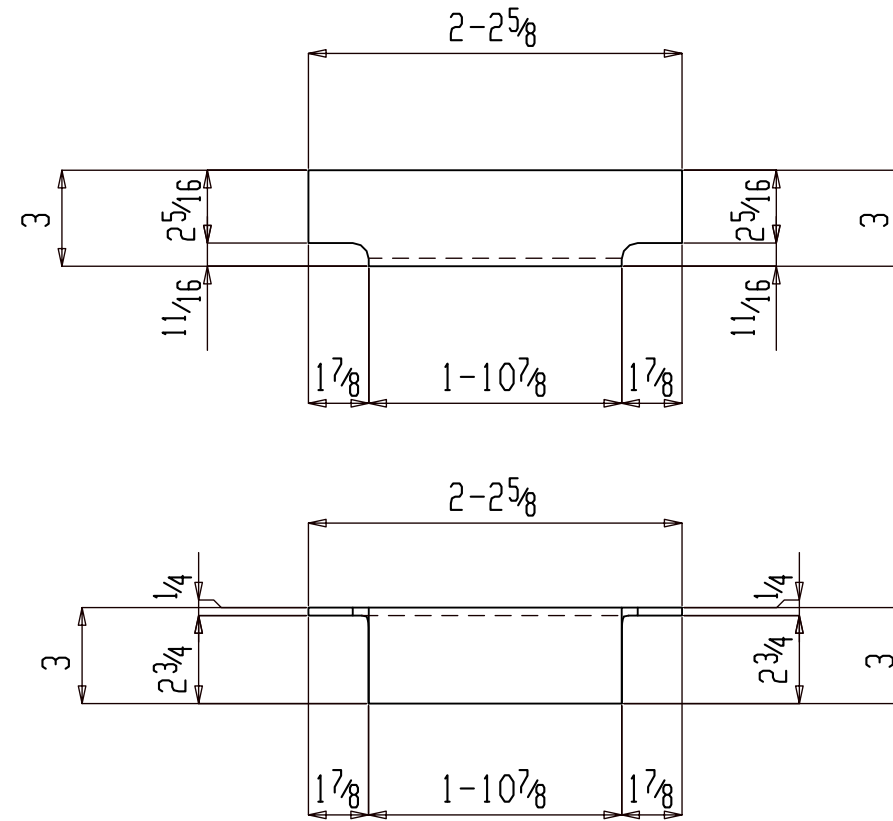
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M218		15	MISC				215
	M218	15	L3x3x1/4	2-11 1/8		A36	215

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M218	REV	△



10 MISCS M219

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

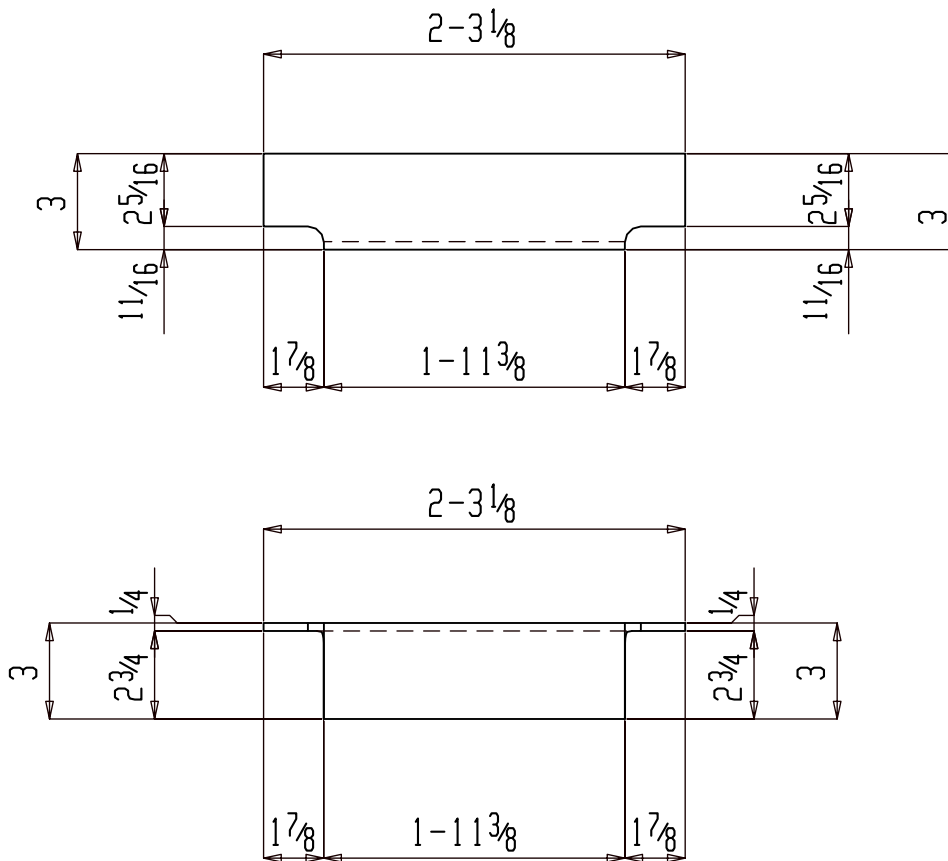
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M219		10	MISC				109
	M219	10	L3x3x1/4	2-25/8		A36	109

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M219	REV	△



10 MISCS M220

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

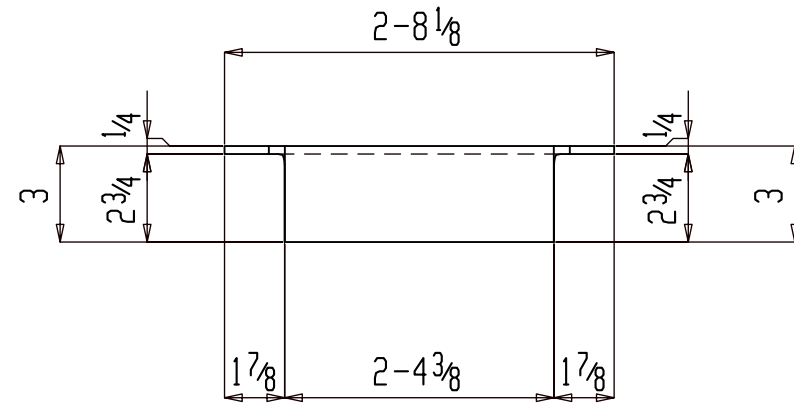
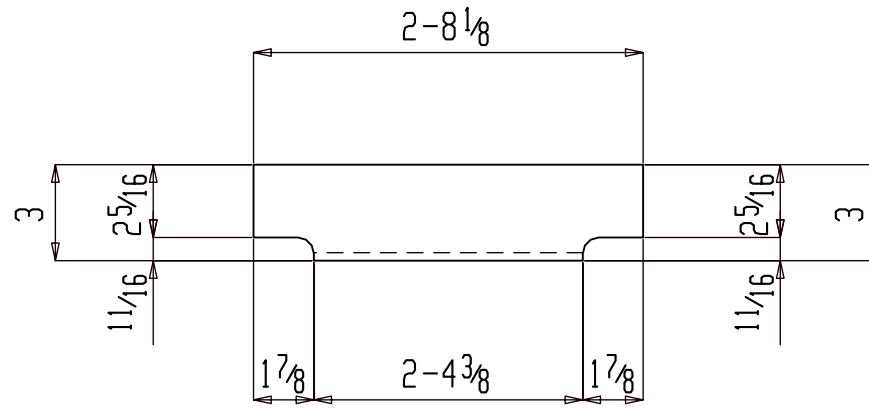
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M220		10	MISC				111
	M220	10	L3x3x1/4	2-3 1/8		A36	111

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M220	REV	△



5 MISCS M221

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

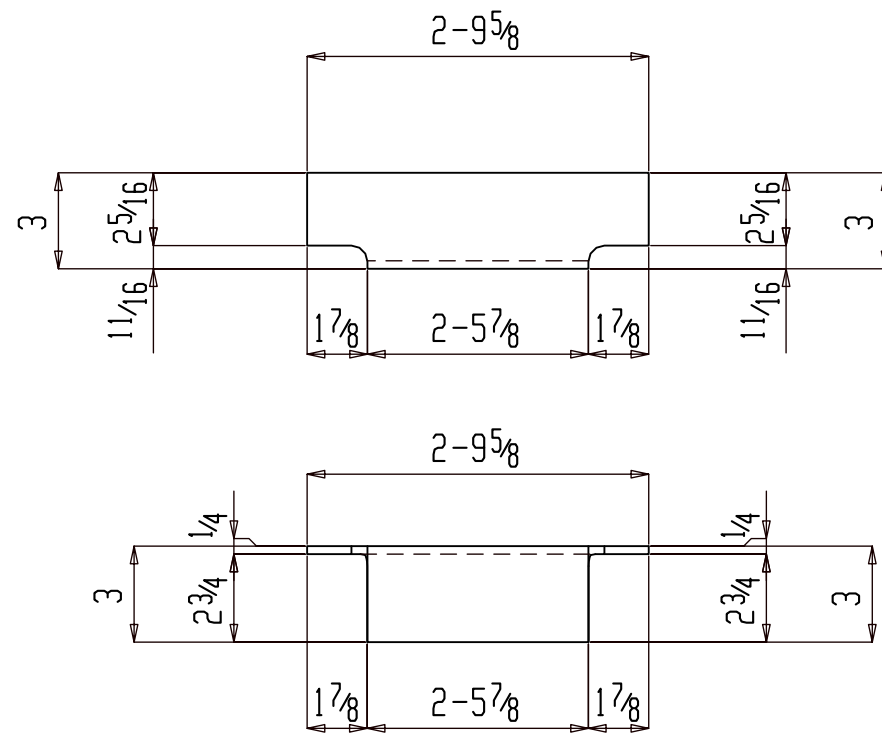
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M221		5	MISC				66
	M221	5	L3x3x1/4	2-8 1/8		A36	66

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M221	REV	△



5 MISCS M222

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

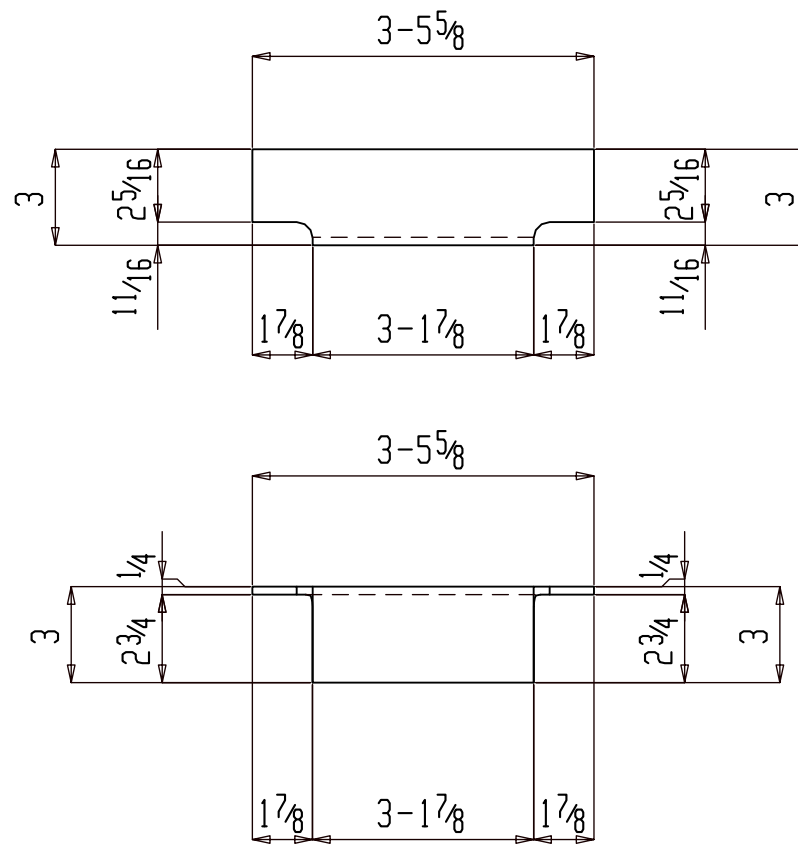
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M222		5	MISC				69
	M222	5	L3x3x1/4	2-9 5/8		A36	69

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M222	REV	△



15 MISCS M223

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

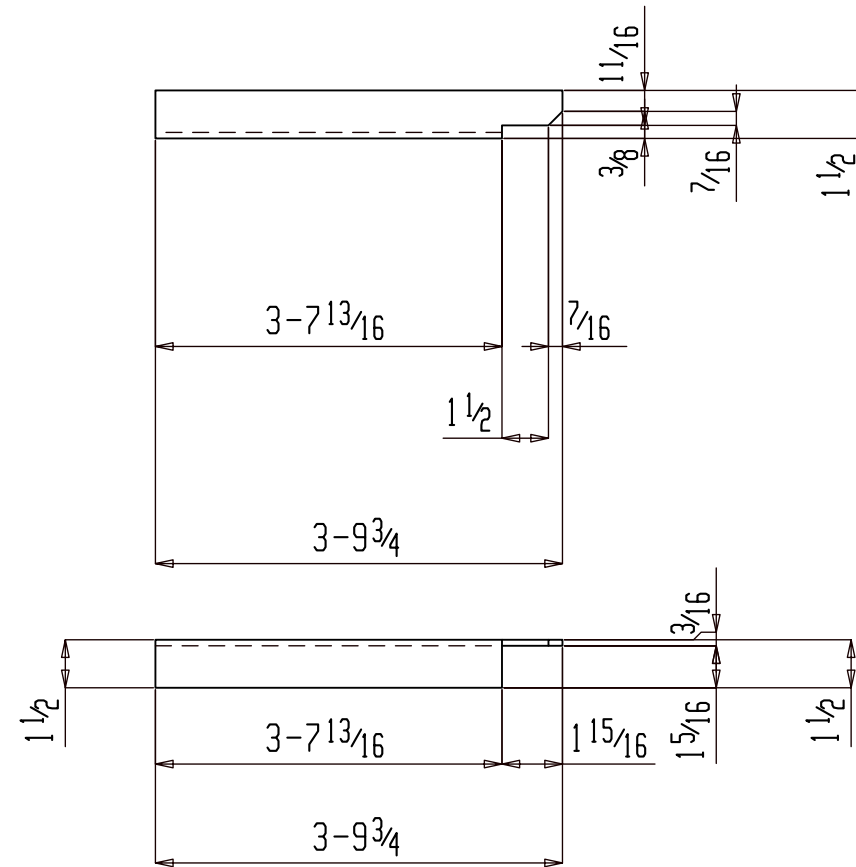
### BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M223		15	MISC				255
	M223	15	L3x3x1/4	3-5/8		A36	255

### BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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 460	SHEET NO. M223
			REV △



4 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		4	MISC				27
	M224	4	L 1 1/2 x 1 1/2 x 3/16	3-9 3/4		A36	27

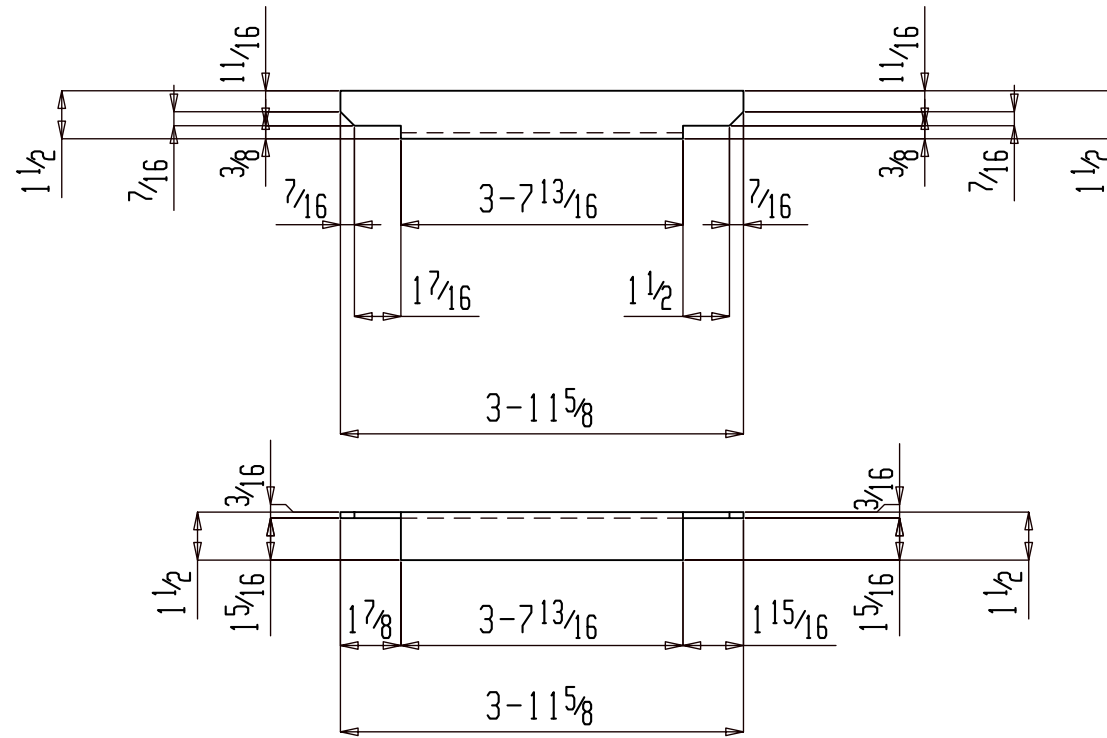
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M224	REV	△





4 MISCS M225

ASSEMBLY REFER : AS101

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

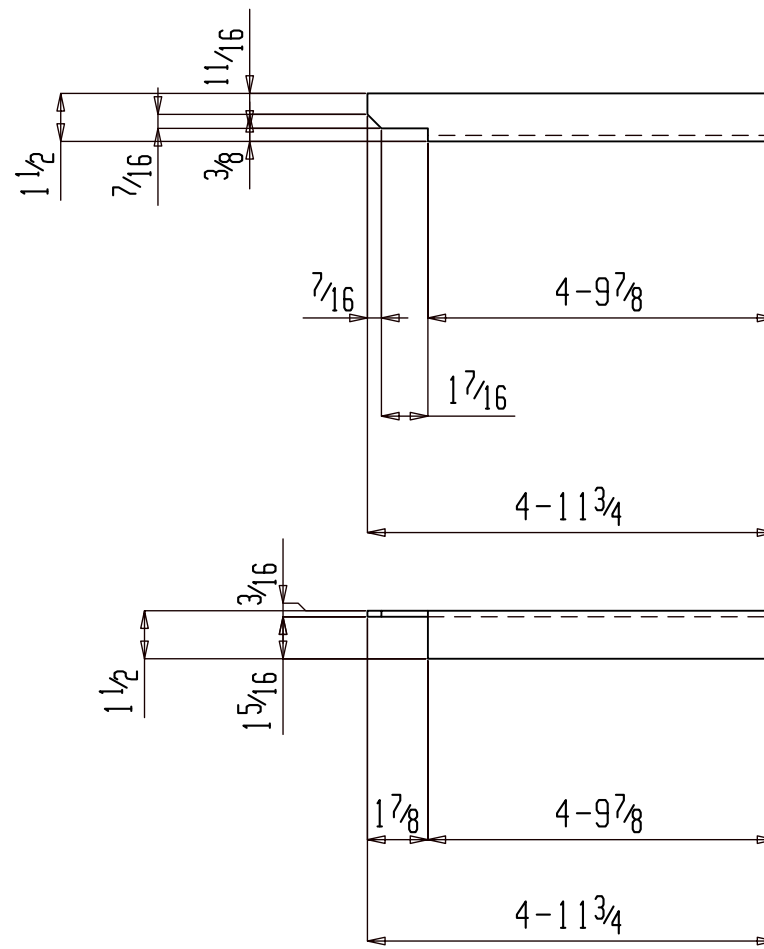
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M225		4	MISC				29
	M225	4	L 1 1/2 x 1 1/2 x 3/16	3-11 5/8		A36	29

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M225
		REV	△





4 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		4	MISC				36
	M227	4	L 1 1/2 x 1 1/2 x 3/16	4 - 11 3/4		A36	36

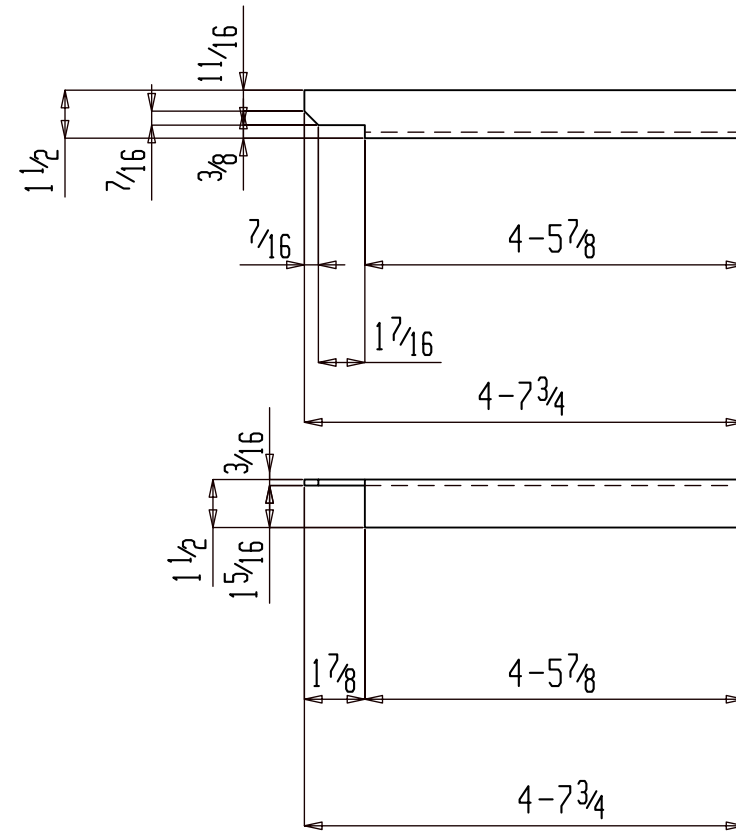
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M227	REV	△





4 MISCS M229

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

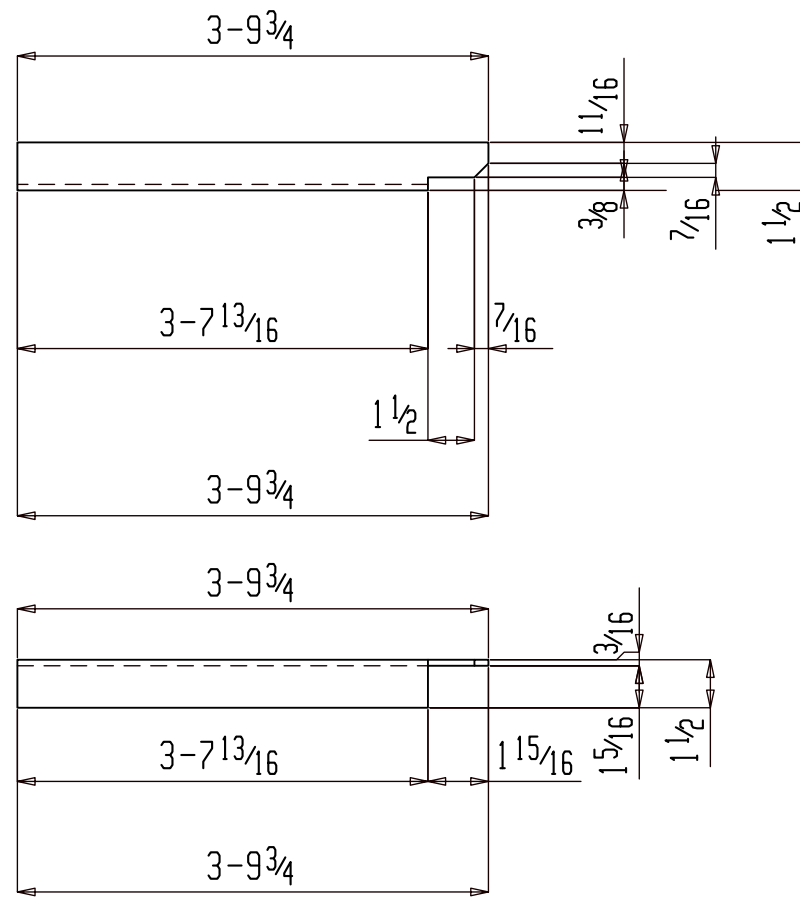
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M229		4	MISC				33
	M229	4	L 1 1/2 x 1 1/2 x 3/16	4-7 3/4		A36	33

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M229	REV	△



4 MISCS M230

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M230		4	MISC				27
	M230	4	L 1 1/2 x 1 1/2 x 3/16	3-9 3/4		A36	27

**BILL OF MATERIAL**

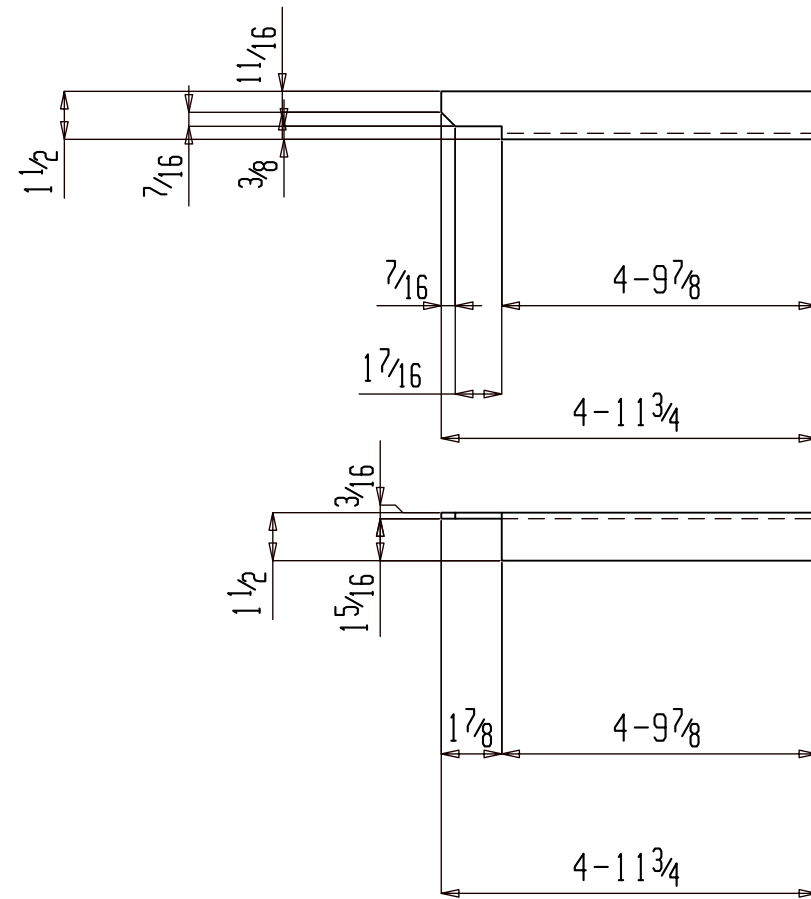
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M230
		REV	△









4 MISCS M233

(ASSEMBLY REFER : AS104)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

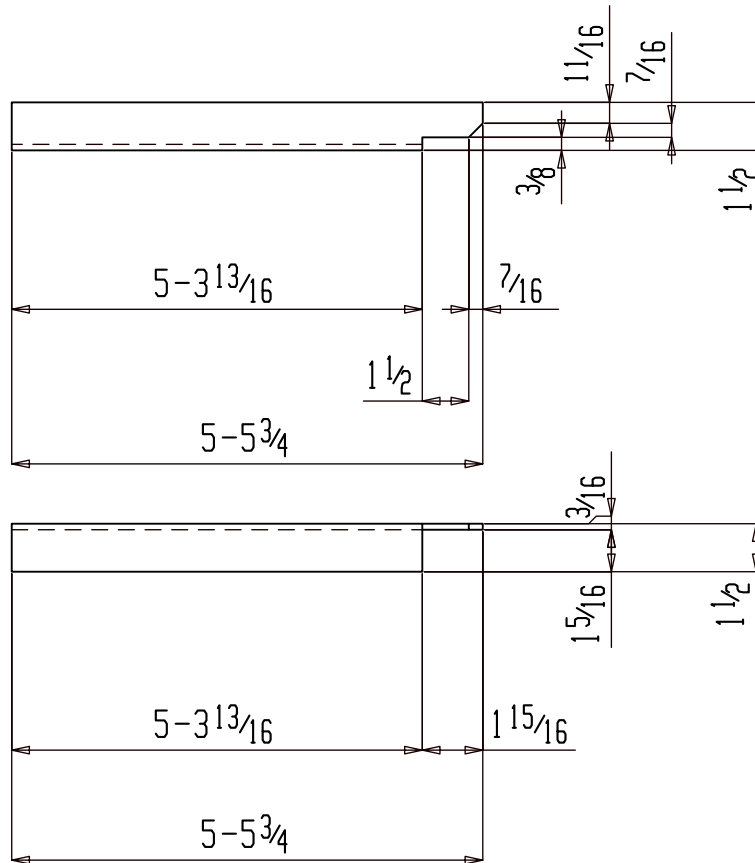
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M233		4	MISC				36
	M233	4	L 1 1/2 x 1 1/2 x 3/16	4-11 3/4		A36	36

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M233	REV	△



4 MISCS M234

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

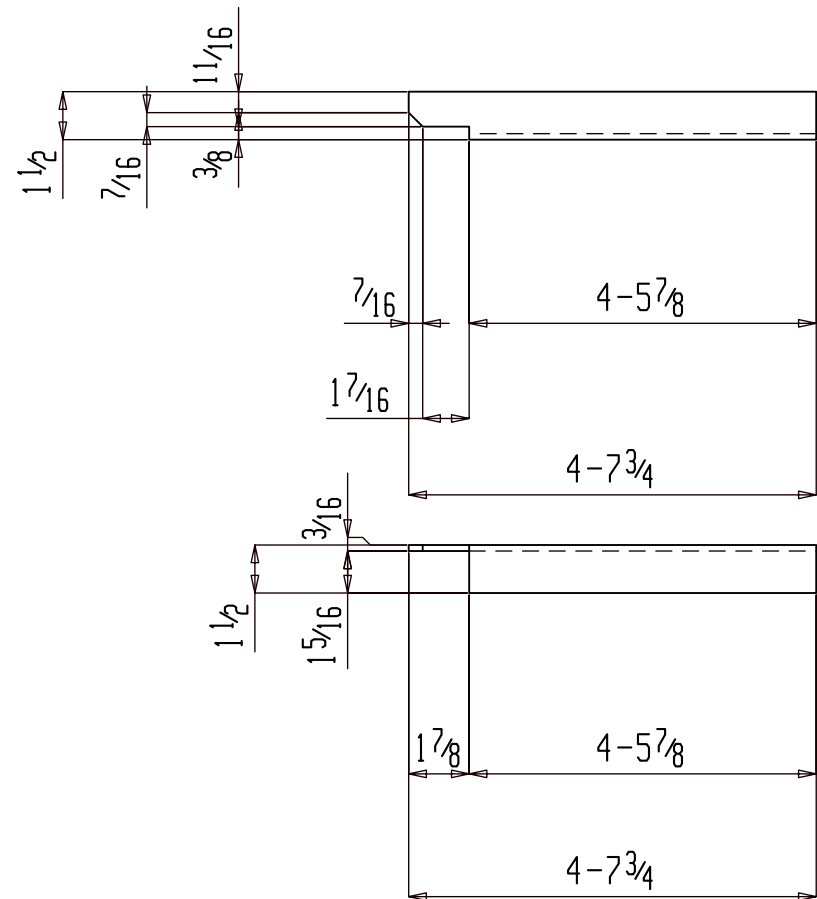
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M234		4	MISC				39
	M234	4	L 1 1/2 x 1 1/2 x 3/16	5-5 3/4		A36	39

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M234	REV	△



4 MISCS M235

(ASSEMBLY REFER : AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

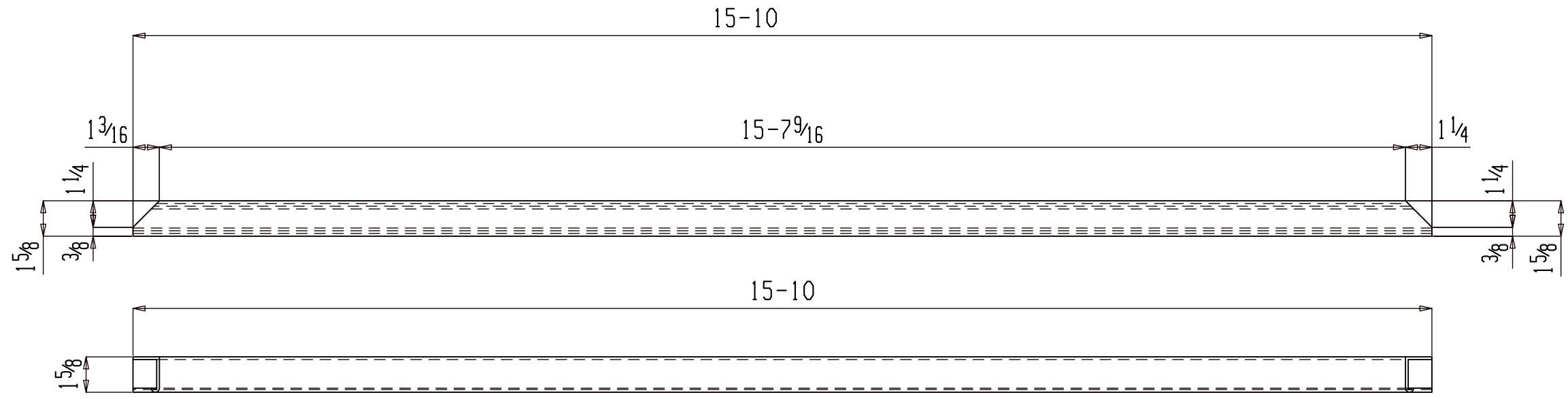
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M235		4	MISC				33
	M235	4	L 1 1/2 x 1 1/2 x 3/16	4 - 7 3/4		A36	33

**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:	NAPASKIAK 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	460	SHEET NO.	M235	REV	△



ONE STRUT M236

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

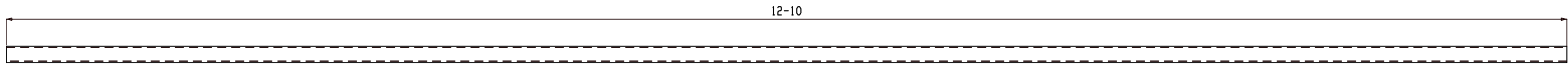
BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M236		ONE	STRUT				1280
	M236	1	12GAx1 5/8x1 5/8	15-10			1280

BILL OF MATERIAL

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M236
		REV	△



ONE STRUT M237

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

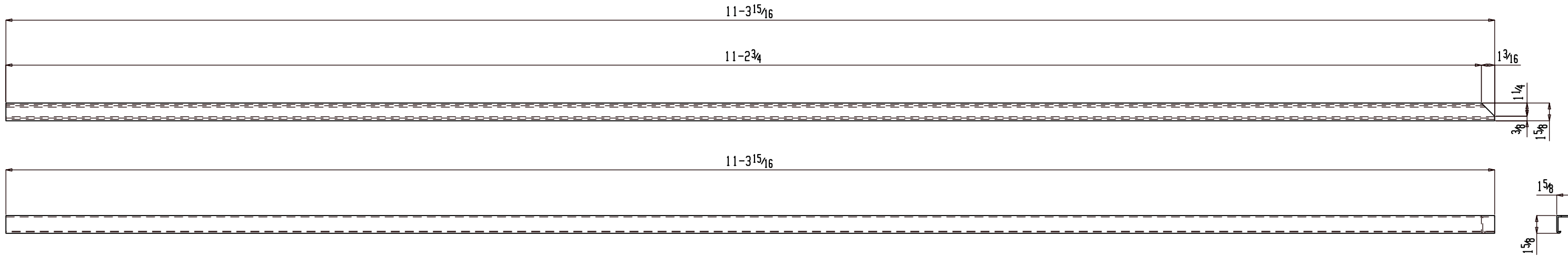
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M237		ONE	STRUT				841
	M237	1	12GAx1 5/8x1 5/8	12-10			841

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M237
		REV	△



ONE STRUT M238

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL

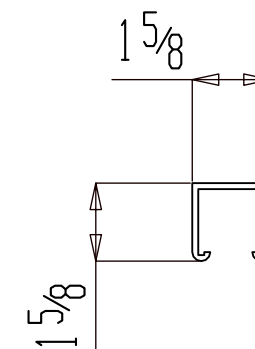
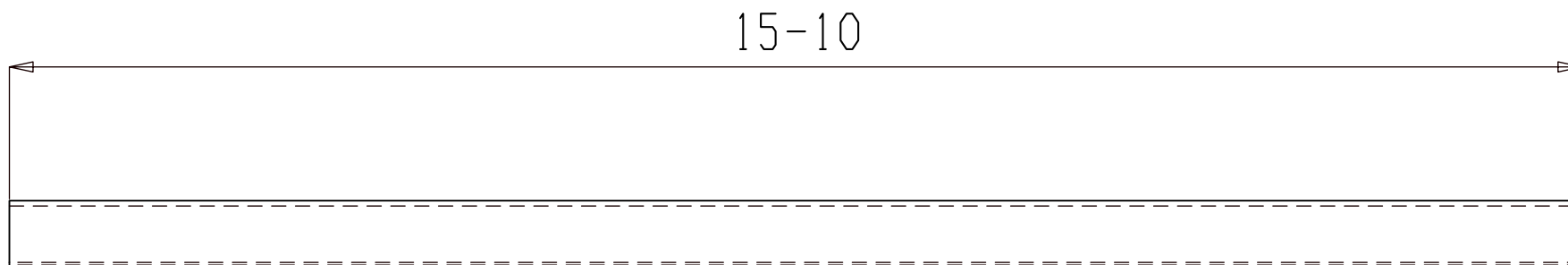
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M238		ONE	STRUT				655
	M238	1	12GAx1 5/8x1 5/8	11-3 15/16			655

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:	NAPASKIAK 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	460	SHEET NO.	M238	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				1280
	M240	1	12GAx1 5/8x1 5/8	15-10			1280

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

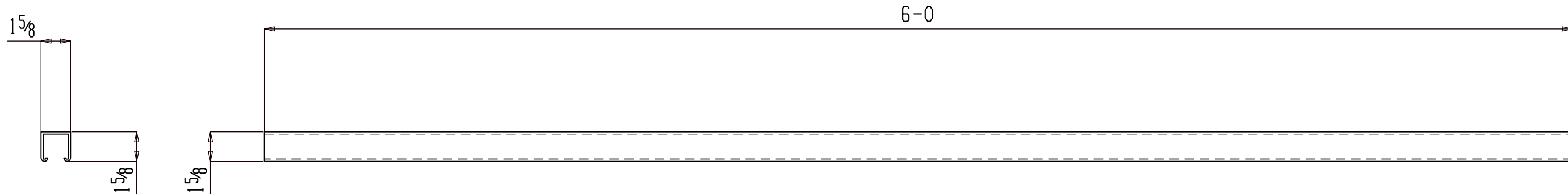
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M240	REV	△









ONE STRUT M243

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

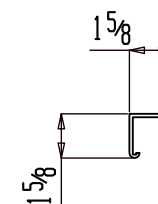
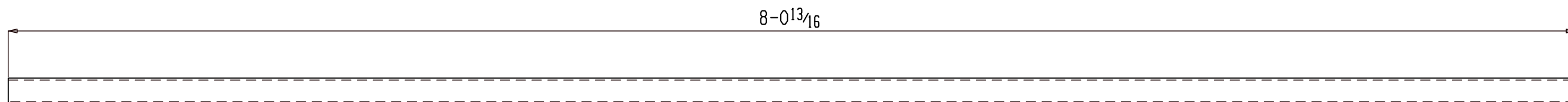
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M243		ONE	STRUT				184
	M243	1	12GAx1 5/8x1 5/8	6-0			184

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M243
		REV	△



ONE STRUT M244

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M244		ONE	STRUT				332
	M244	1	12GAx1 5/8x1 5/8	8-0 13/16			332

**BILL OF MATERIAL**

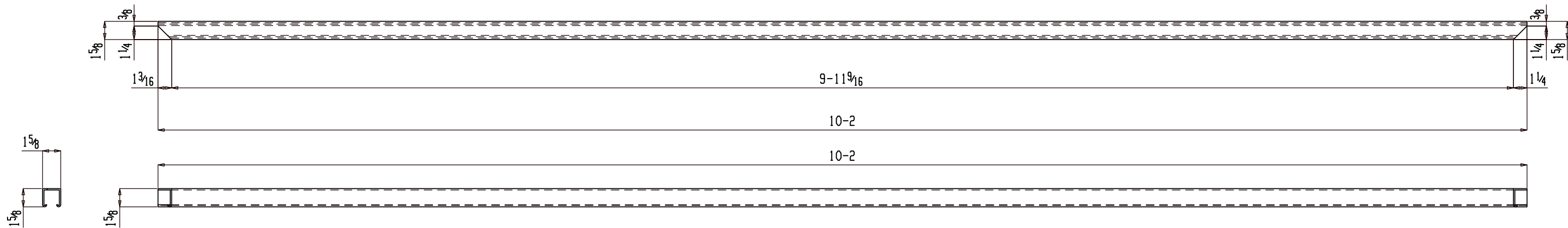
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M244	REV	△









ONE STRUT M248

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

BILL OF MATERIAL

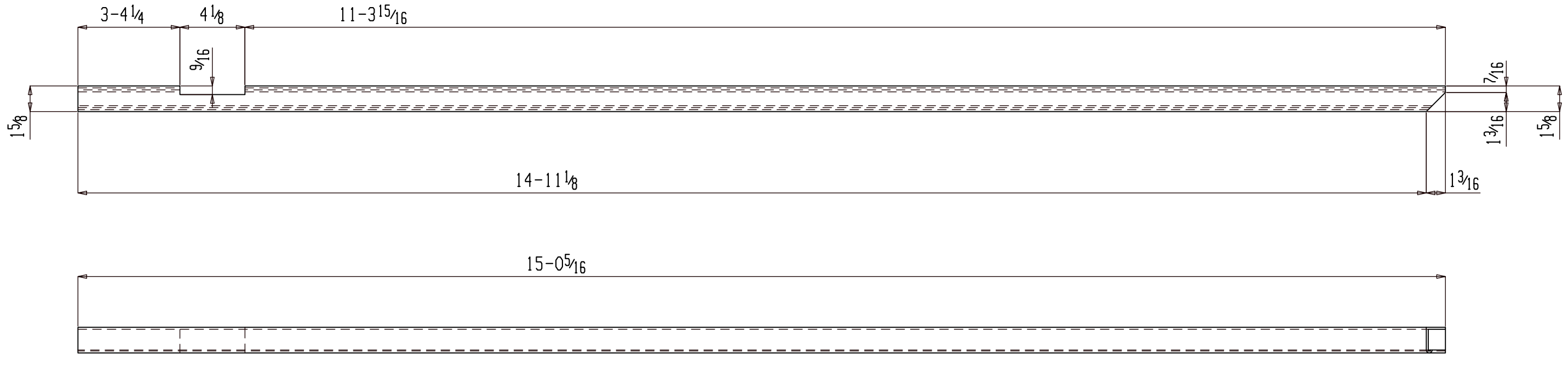
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M248		ONE	STRUT				528
	M248	1	12GAx1 5/8x1 5/8	10-2			528

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:	NAPASKIAK 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	460	SHEET NO.	M248	REV	△





ONE STRUT M249

(ASSEMBLY REFER: E101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M249		ONE	STRUT				1152
	M249	1	12GAx15/8x15/8	15-05/16			1152

**BILL OF MATERIAL**

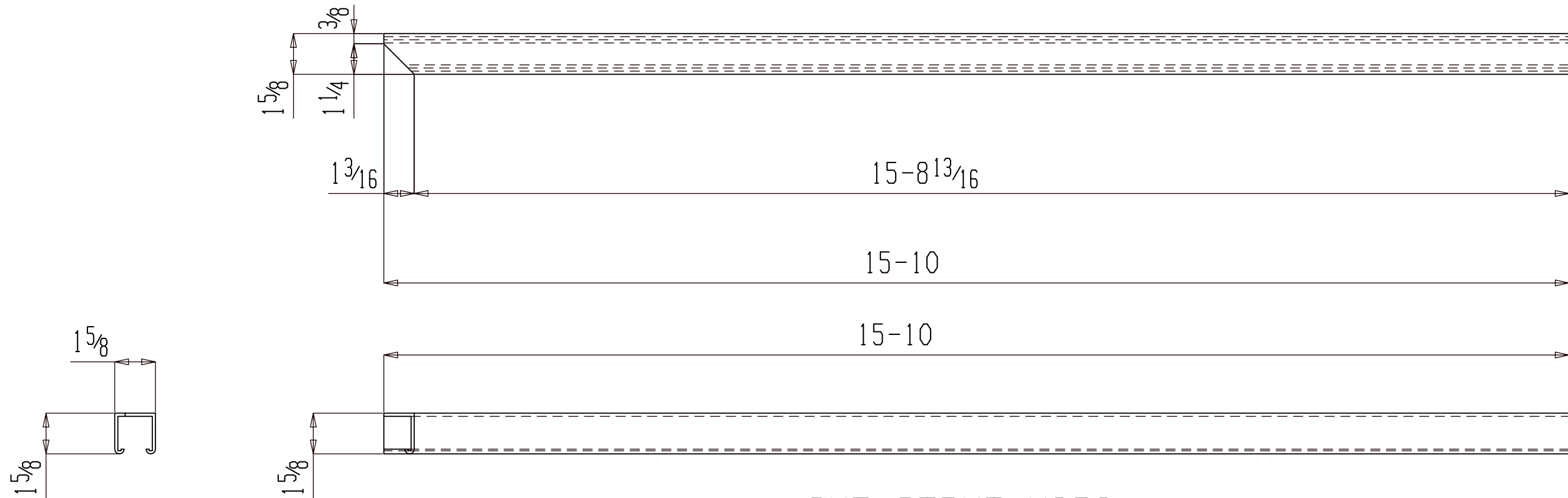
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M249	REV	△







ONE STRUT M252

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M252		ONE	STRUT				1280
	M252	1	12GAx1 5/8x1 5/8	15-10			1280

**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:	NAPASKIAK 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	460	SHEET NO.	M252	REV	△

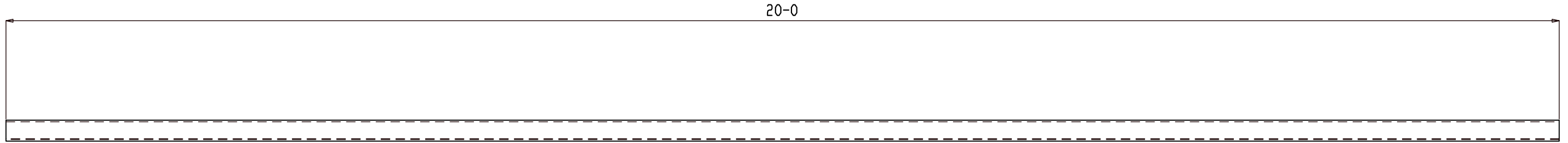
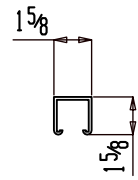












ONE STRUT M257

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M257		ONE	STRUT				2042
	M257	1	12GAx1 5/8x1 5/8	20-0			2042

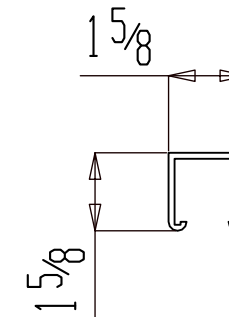
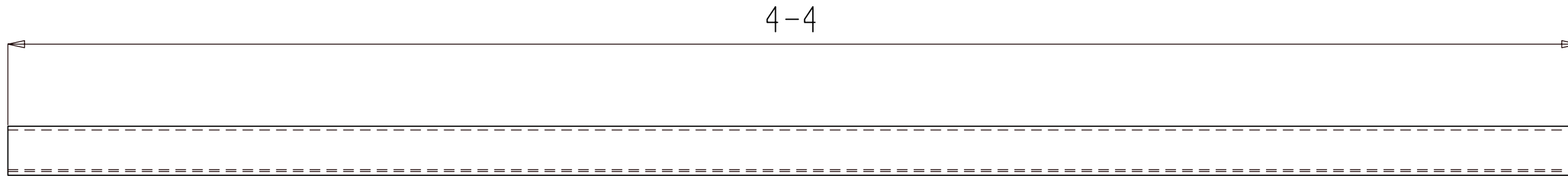
**BILL OF MATERIAL**

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:	NAPASKIAK 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	460	SHEET NO.	M257	REV	△







2 STRUTS M260

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

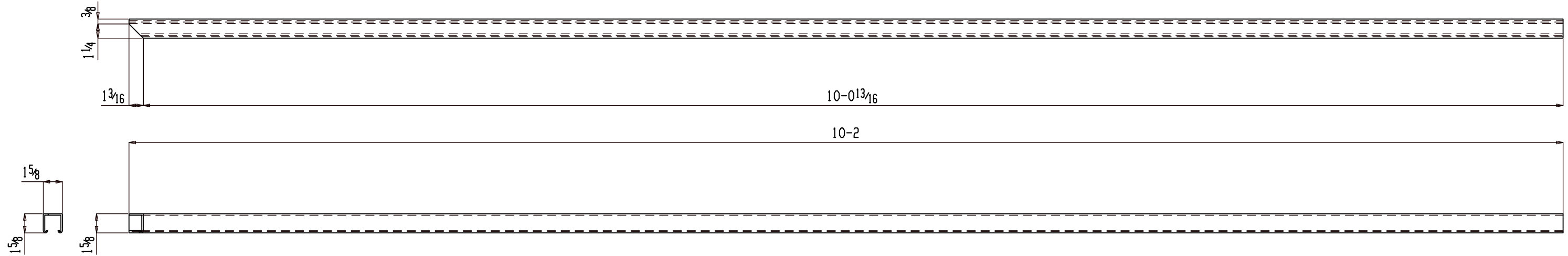
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M260		2	STRUT				192
	M260	2	12GAx1 5/8x1 5/8	4-4			192

**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:	NAPASKIAK 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	460	SHEET NO.	M260	REV	△



ONE STRUT M261

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M261		ONE	STRUT				528
	M261	1	12GAx15/8x15/8	10-2			528

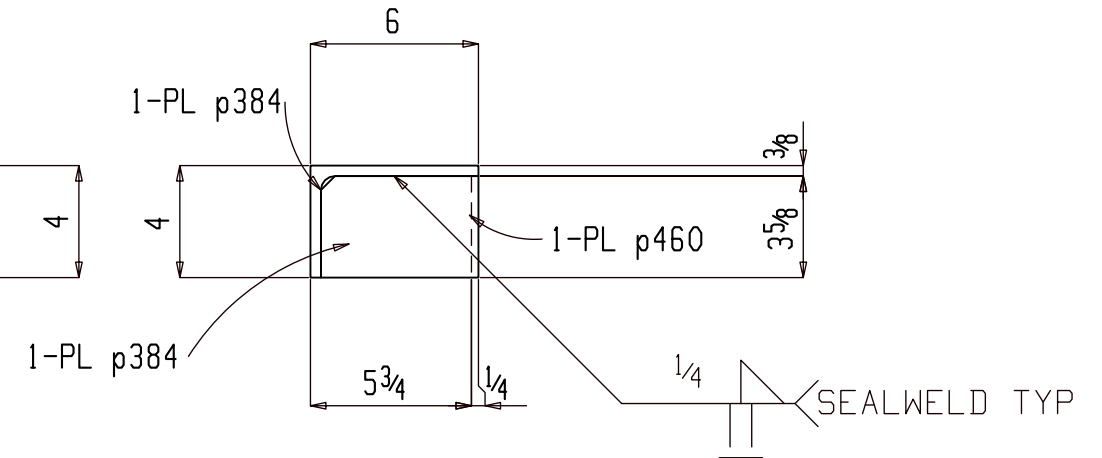
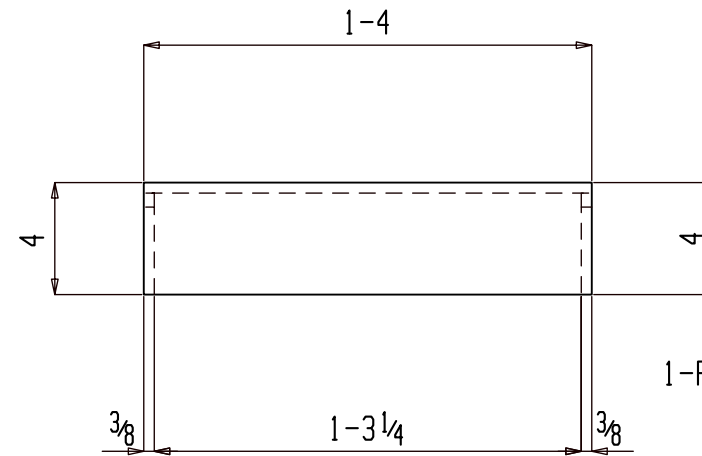
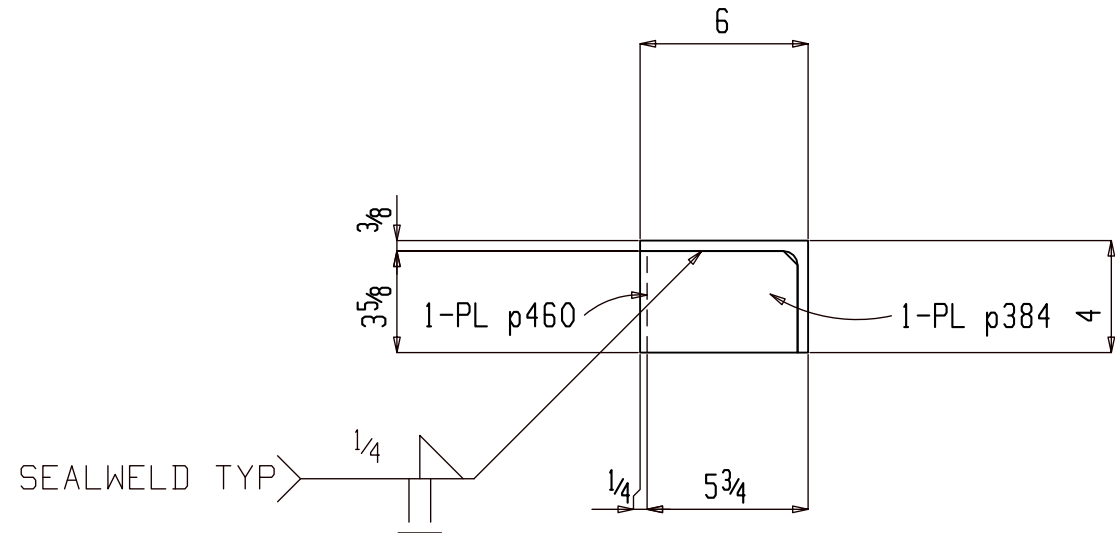
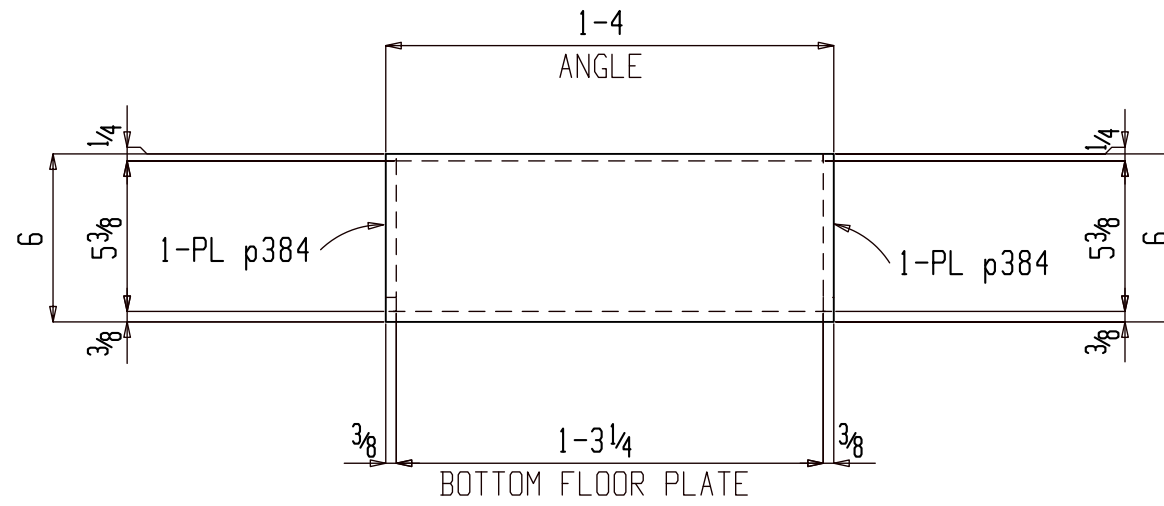
**BILL OF MATERIAL**

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:	NAPASKIAK 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	460	SHEET NO.	M261	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 SANDBLASTING MODULE. SANDBLAST AND PAINT ALL SUPPORTS EQUIVALENT TO MODULE INTERIOR.



12 MISCS M262

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M262		12	MISC				296
	M262	12	L6x4x3/8	1-4		A36	197
	p384	24	PL 3/8x3 5/8	5 5/8		A36	52
	p460	12	PL 1/4x3 5/8	1-3 1/4		A36	47

**BILL OF MATERIAL**

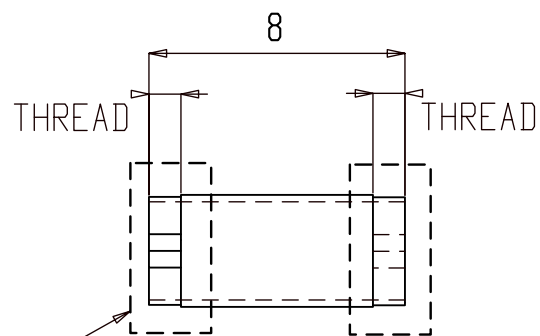
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :

DEG REF. SPEC. / DWG :

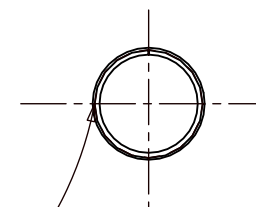
REV.	DESCRIPTION	BY	DATE
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22

HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:	
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M262	REV	△



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

3" Dia x8" LONG SCH 40 THREADED STEEL NIPPLE FOR FEEDER



3 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		3	MISC				15
	M263	3	PIPE 3 STD	8		A53B	15

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M263
		REV	△

5½ (PIPE 4 STD) A53B

THREAD

4" DIAx5½" LONG SCH 40  
STEEL HALF NIPPLE  
(ARCTIC PIPE ENTRANCE)

COAT THREADS WITH  
ANTI-SIEZE & INSTALL  
THREADED STEEL CAP  
PRIOR TO PAINTING

4 MISCS M264

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						
M264		4	MISC				20
	M264	4	PIPE 4 STD	5½		A53B	20

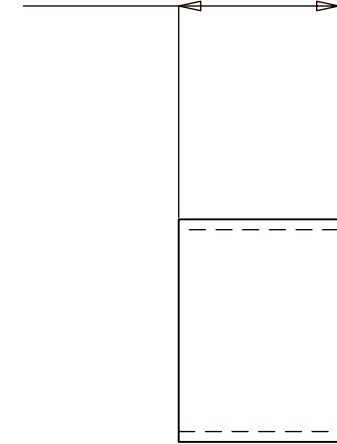
**BILL OF MATERIAL**

SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						

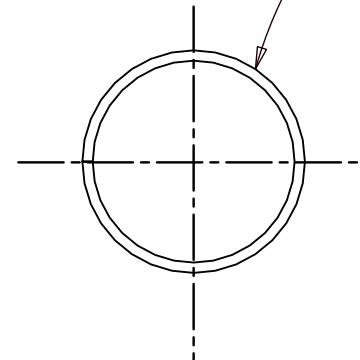
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	MISC. DETAIL	DATE:	05-26-22
		JOB NUMBER	460
		SHEET NO.	M264
		REV	△



4 (PIPE 5 STD) A53B



5" Dia x4" SCH 40  
PIPE SLEEVE (2) FOR  
RADIATOR PIPING AND  
(6) FOR CHARGE AIR  
TUBING.



8 MISCS M265

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

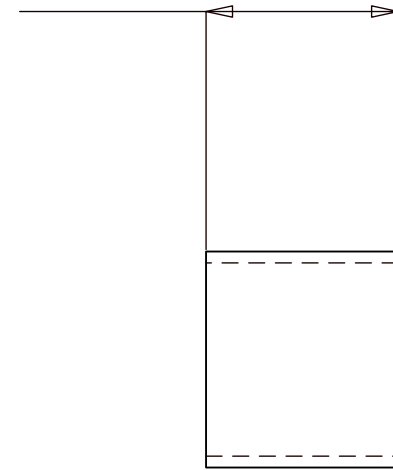
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M265		8	MISC				39
	M265	8	PIPE 5 STD	4		A53B	39

**BILL OF MATERIAL**

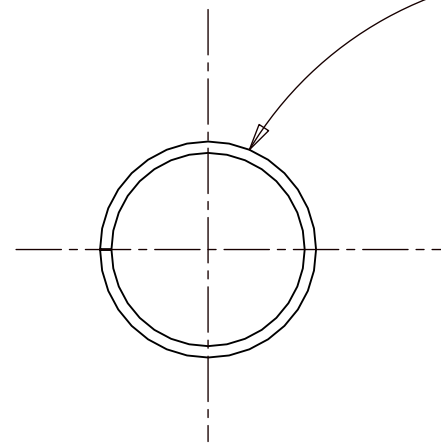
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	NO PAINT
		WELDS:	E70XX
		CLEANING:	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	M265
		REV	△

4 (PIPE 4 STD) A53B



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



ONE MISC M266

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

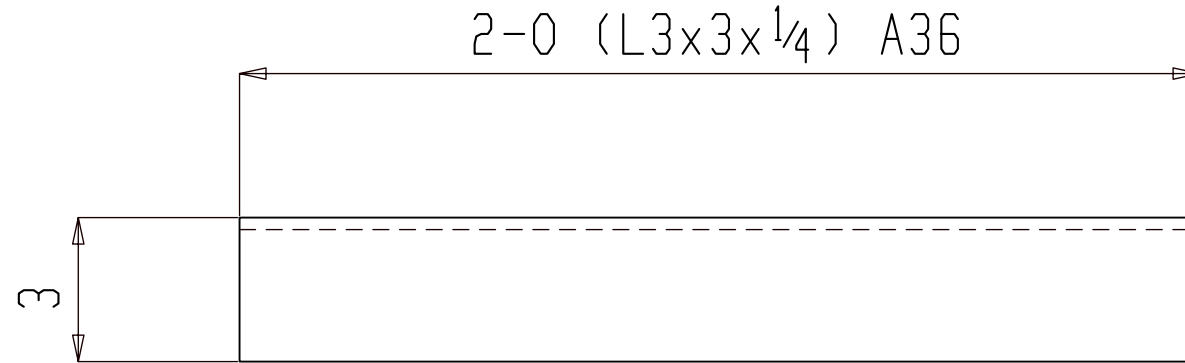
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M266		ONE	MISC				4
	M266	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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. M266
			REV △



2 MISCS M267

(ASSEMBLY REFER: AS101)

NO PAINT

FOR FABRICATION

SHOP NOTES:

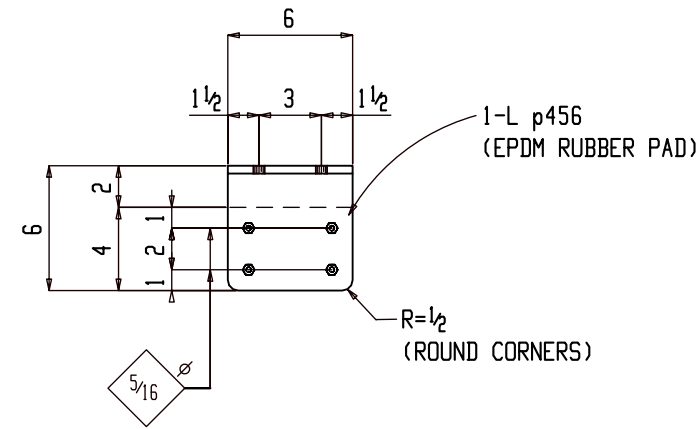
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M267		2	MISC				20
	M267	2	L3x3x1/4	2-0		A36	20

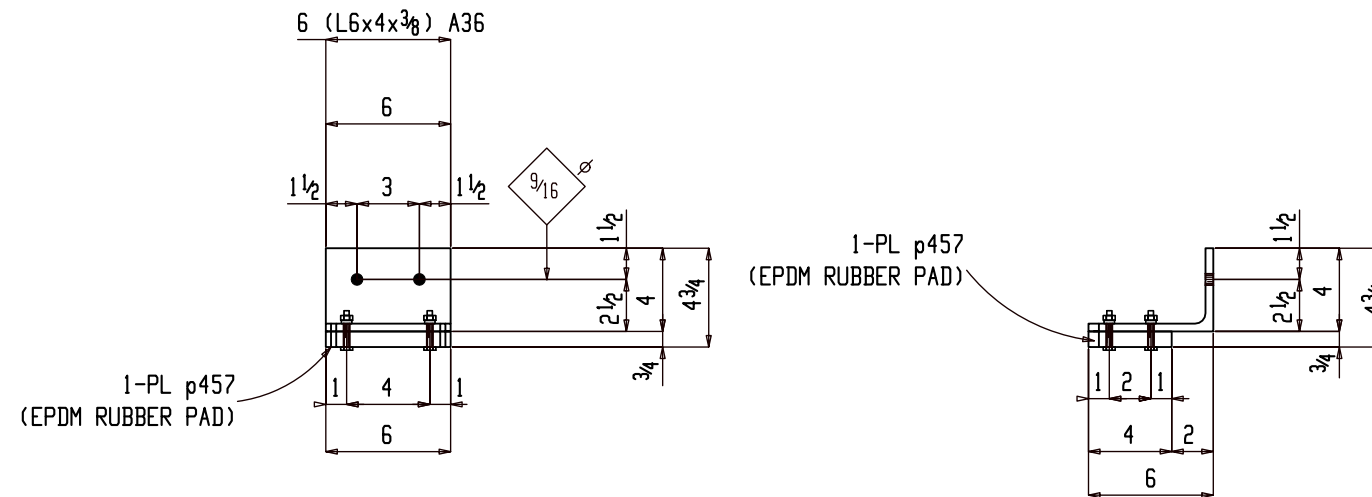
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
JOB NAME: NAPASKIAK 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: 460	SHEET NO.: M267
		REV	△



IN ANGLE & RUBBER PAD



**2 EXTERIOR DOOR BOTTOM STOPS M268**

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

(ASSEMBLY REFER: AS104)

GALVANIZED

**FOR FABRICATION**

SHOP NOTES:

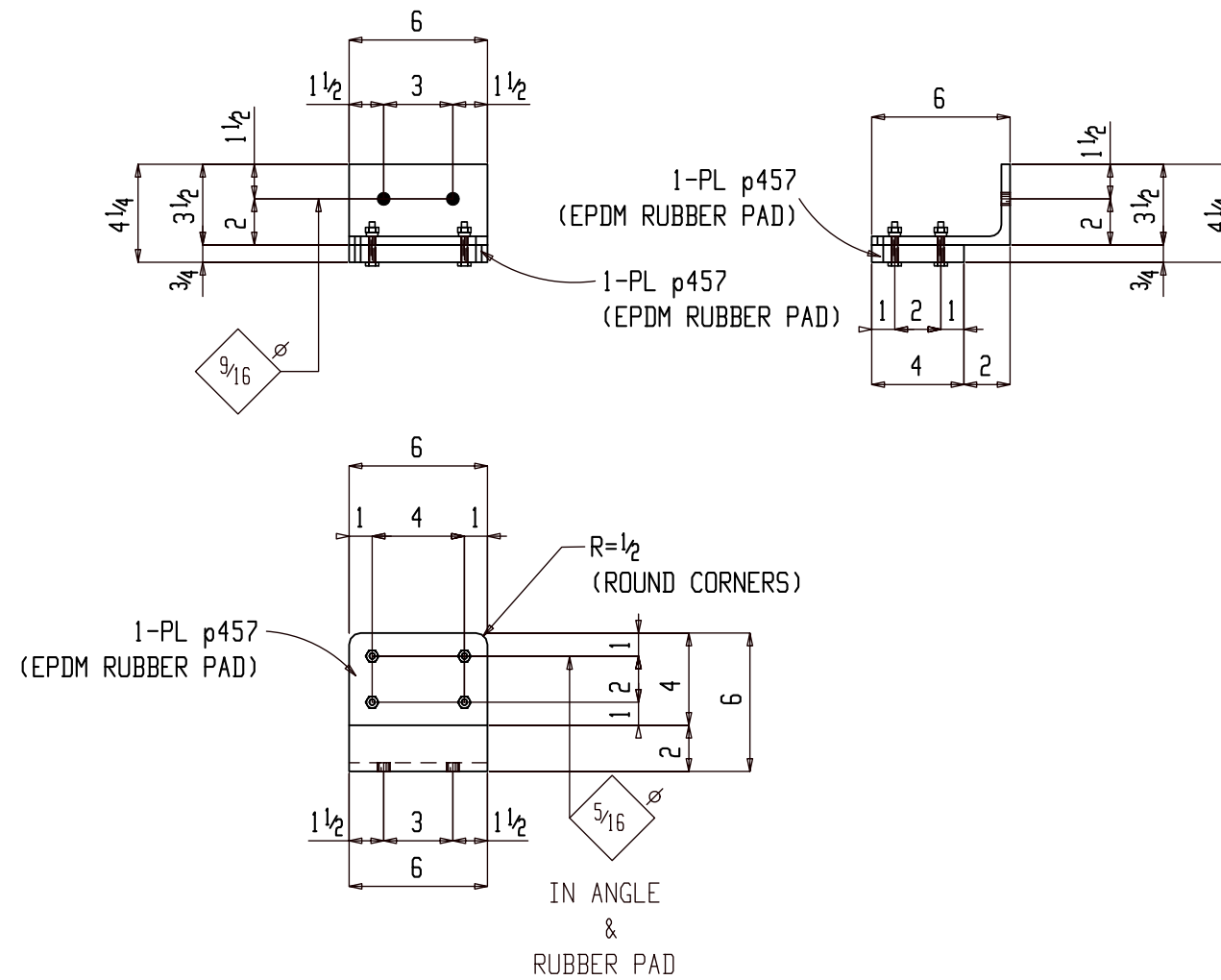
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M268		2	EXTERIOR DOOR BOTTOM STOP		(GALV)		23
	M268	2	L6x4x3/8	6		A36	12
	p457	2	PL 3/4x4	6	(EPDM RUBBER PAD)		10
		8	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	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING: SSPC-SP6			
JOB NAME: NAPASKIAK 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: 460	SHEET NO. M268
		REV	△



ONE EXTERIOR DOOR BOTTOM STOP M269

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

(ASSEMBLY REFER: AS105)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

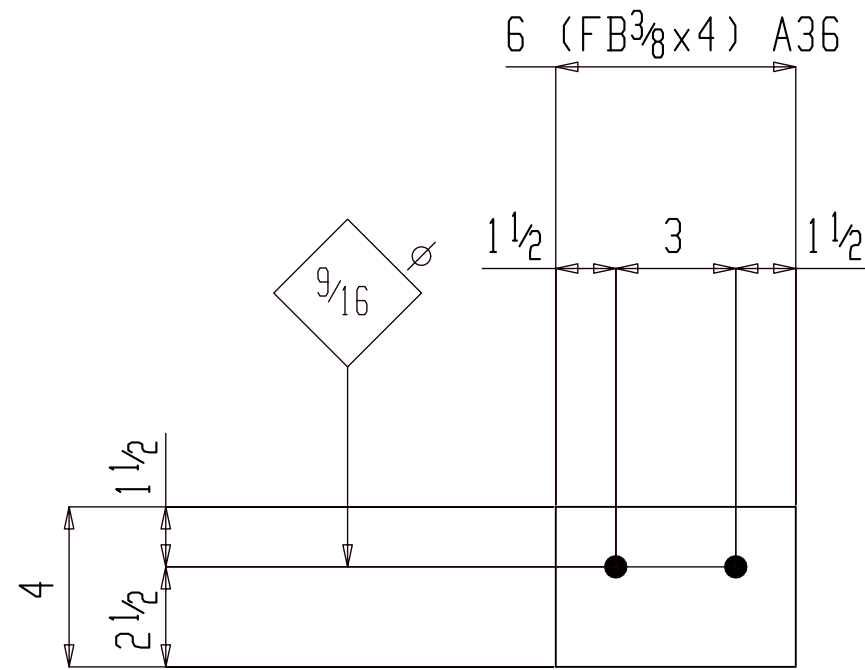
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M269		ONE	MISC		(GALV)		11
	M269	1	L6x3 1/2 x 3/8	6		A36	6
	p457	1	PL 3/4 x 4	6	(EPDM RUBBER PAD)		5
		4	1/4 Dia CARRIAGE BOLT		(COUNTERSINK HEADS)		
					(GALV)		

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
△			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK 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	460	SHEET NO.	M269	REV	△



2 MISCS M270

(ASSEMBLY REFER: AS104)

GALVANIZED

FOR FABRICATION

SHOP NOTES:

**BILL OF MATERIAL**

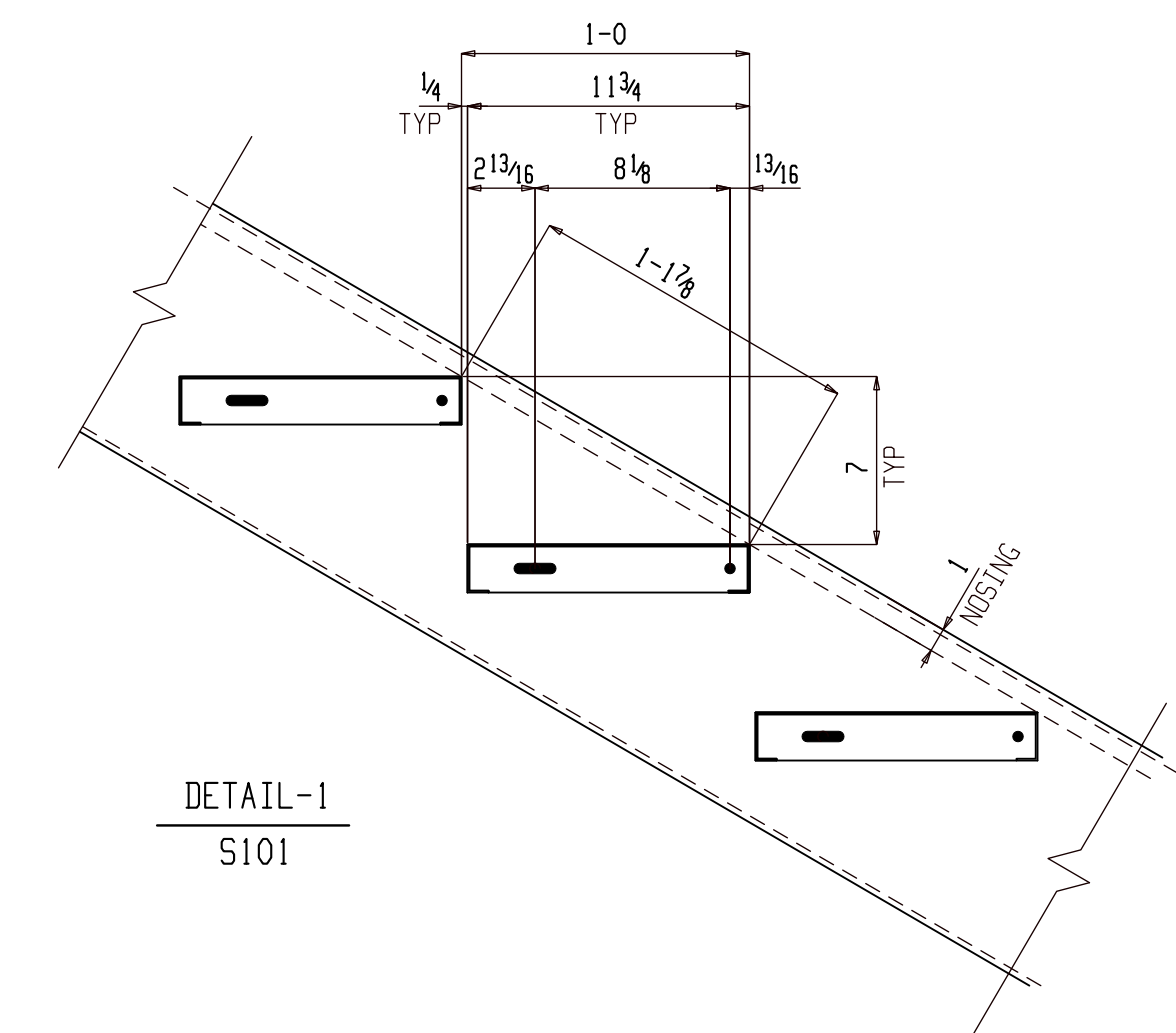
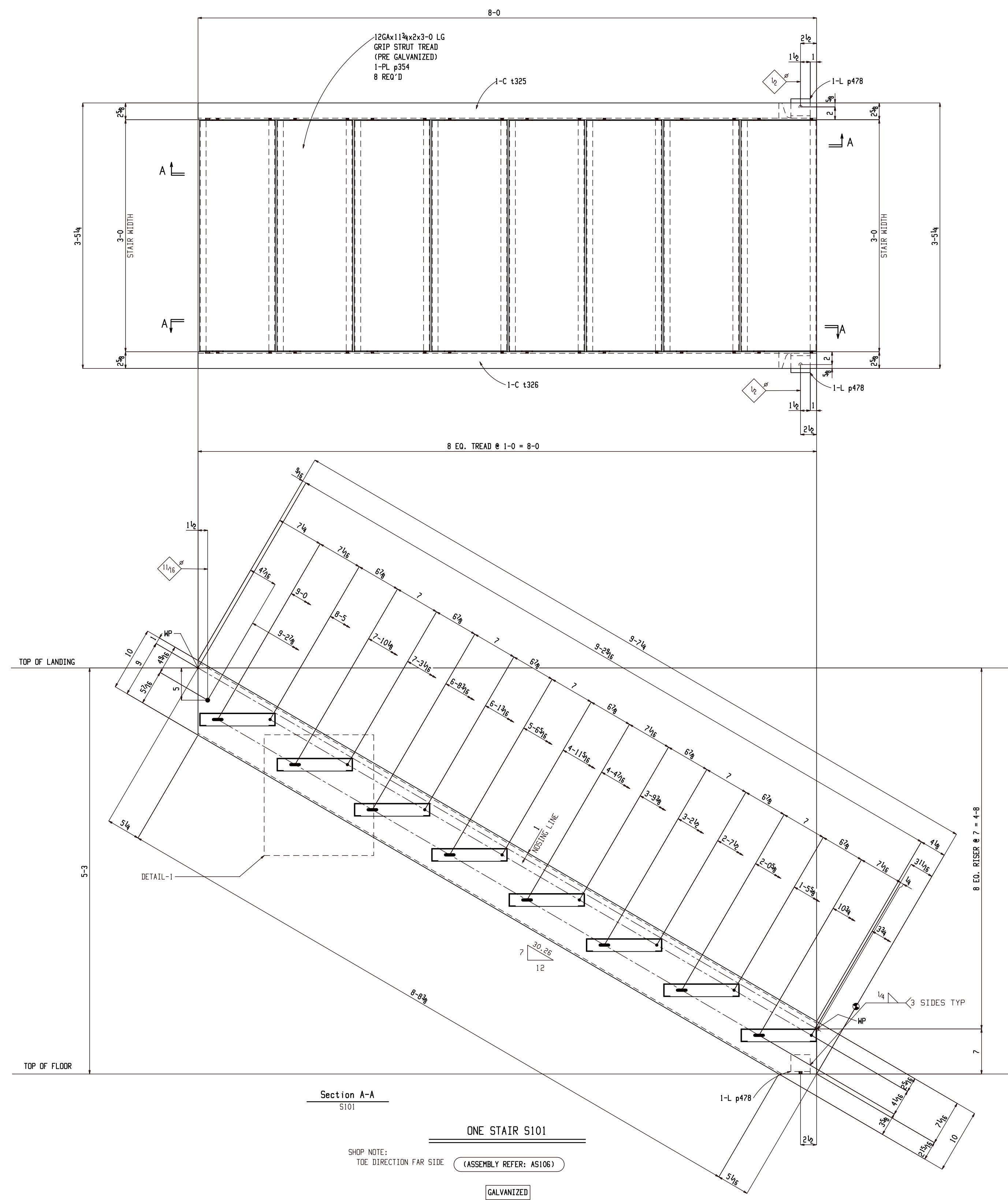
SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
M270		2	MISC		(GALV)		5
	M270	2	FB 3/8 x 4	6		A36	5
			FIELD BOLTS				
		4	1/2 Dia A307	2 1/4	+1HD WASH GALV		

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT

REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
△					
△	For Fabrication			ALN	07-21-22
△	For Re-Approval			ALN	07-13-22
△	For Approval			ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N.	13/16Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX
				CLEANING:	SSPC-SP6
JOB NAME:			NAPASKIAK 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.
				460	M270
					REV
					△





**FOR FABRICATION**

**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
S101		ONE	STAIR		(GALV)		450
	t326	1	C10x15.3	9-7 1/4		A36	149
	t325	1	C10x15.3	9-7 1/4		A36	149
	p478	2	L3x3x3/8	3		A36	4
	p354	8	12GAx11 3/4x2	3-0	(GRIP STRUT TREAD)		148
			FIELD BOLTS				

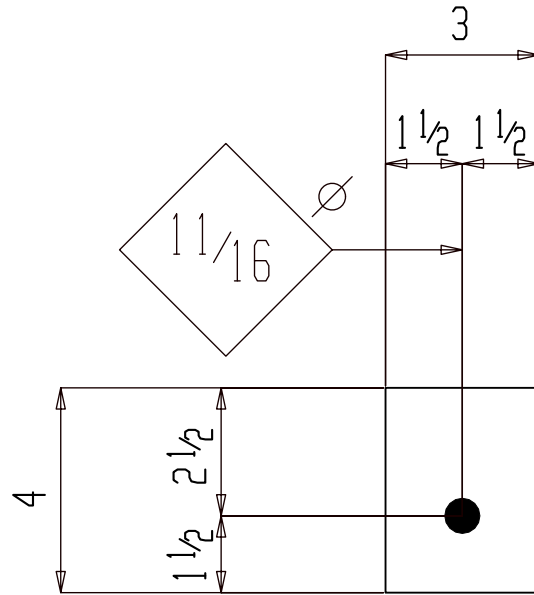
**BILL OF MATERIAL**

SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
		2	TC 5/8 Dia A325N	1 3/4	+1HD WASH		
		32	3/8 Dia A307	1 1/2	+1HD WASH		
		2	3/8 Dia EPOXY ANCHOR	4	+1HD WASH		
					GALV		

SHOP NOTES:

REF. DWG/SPEC:			
DEG REF. SPEC. / DWG:			
△	For Fabrication	ALN	07-21-22
△	For Re-Approval	ALN	07-13-22
△	For Approval	ALN	07-06-22
REV.	DESCRIPTION	BY	DATE
HOLES UN:	13/16Ø	PAINT UN:	GALVANIZED
WELDS:	E70XX	CLEANING:	SSPC-SP6
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DESCRIPTION:	STAIR DETAIL	DATE:	05-26-22
		JOB NUMBER:	460
		SHEET NO.:	S101
		REV:	△





2 FB $1\frac{1}{2}$ x4x0-3 p169

GRADE: A36

NO PAINT

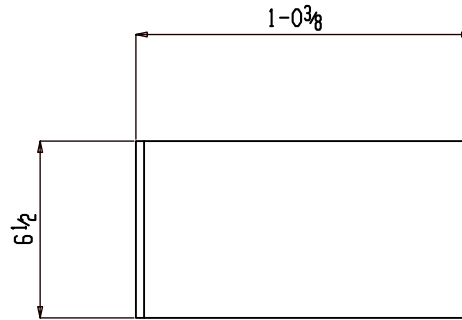
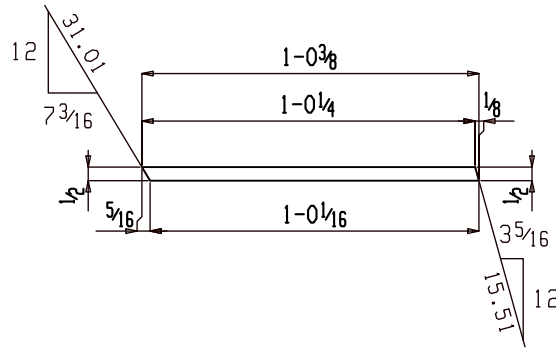
2	FR102
QTY	ASSY

For Fabrication

HOLES U.N.  $1\frac{3}{16}\emptyset$

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p169
					REV $\emptyset$

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 PL 1/2 x 6 1/2 x 1-0 3/8 p228

GRADE: A36

NO PAINT

2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: PLATE

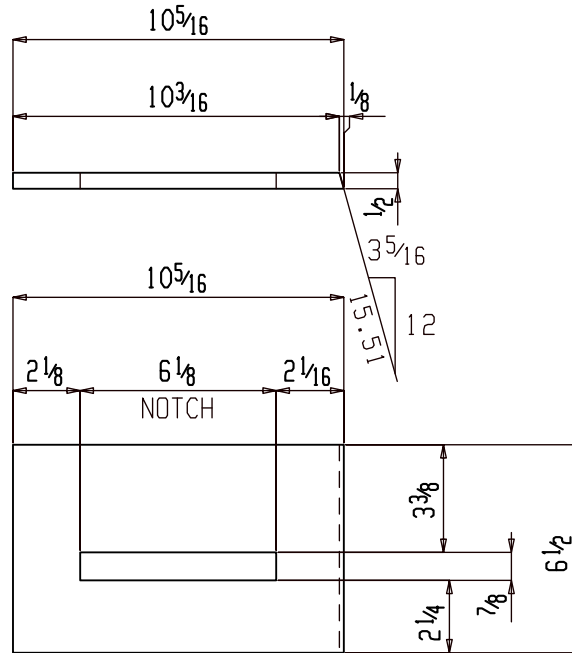
JOB NUMBER	SHEET NO.	REV
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460

p228

△<sub>0</sub>

△			
△			
△			
△			
△ <sub>0</sub>	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 PL 1/2 x 6 1/2 x 0-10 5/16 p229

GRADE: A36

NO PAINT

1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: PLATE

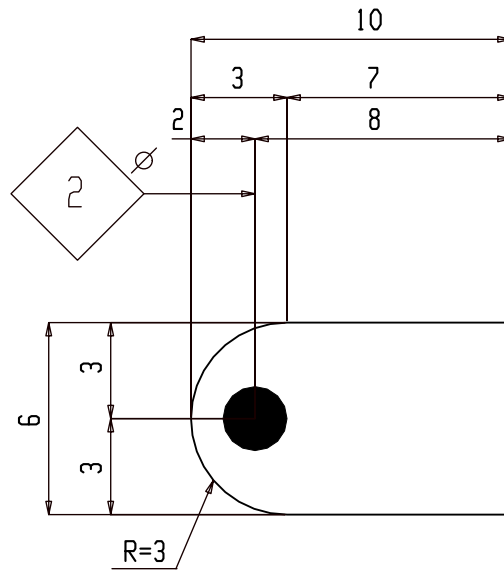
JOB NUMBER | SHEET NO. | REV

460

p229

0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
△			
△			
△			
△	For Fabrication	ALN	07-21-22



4 PL  $\frac{3}{4}$ x6x0-10 p230

GRADE: A36

(TOW EYE PLATE)

NO PAINT

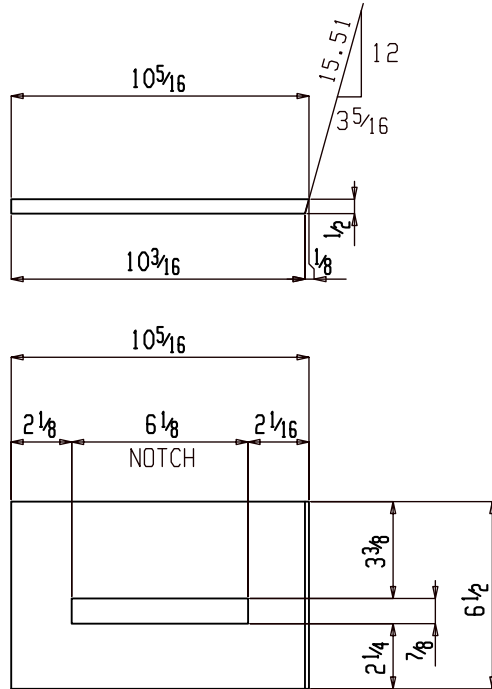
2	B102
2	B101
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p230
					REV $\frac{0}{1}$

△			
△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 PL 1/2 x 6 1/2 x 0-10 5/16 p231  
 GRADE: A36

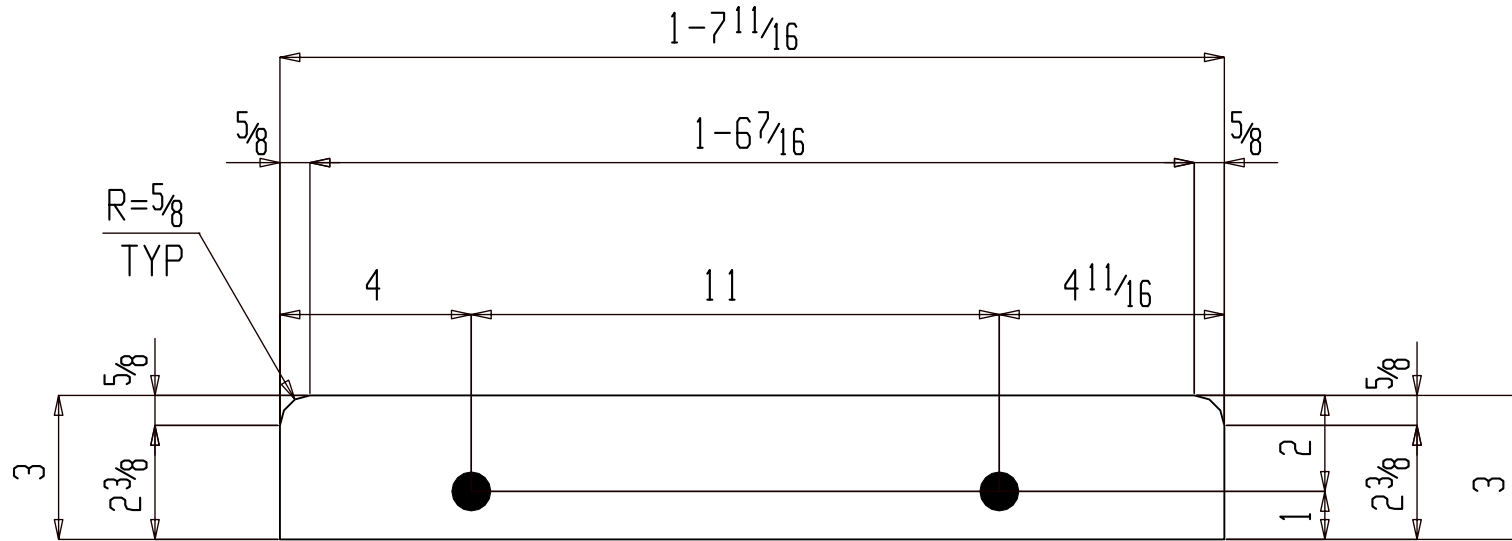
NO PAINT

1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	DATE:	05-26-22
DESCRIPTION:	PLATE	JOB NUMBER	460
		SHEET NO.	p231
		REV	0

△			
△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



10 PL 1/2 x 3 x 1-7 11/16 p233

GRADE: A36

NO PAINT

SHOP NOTE:

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

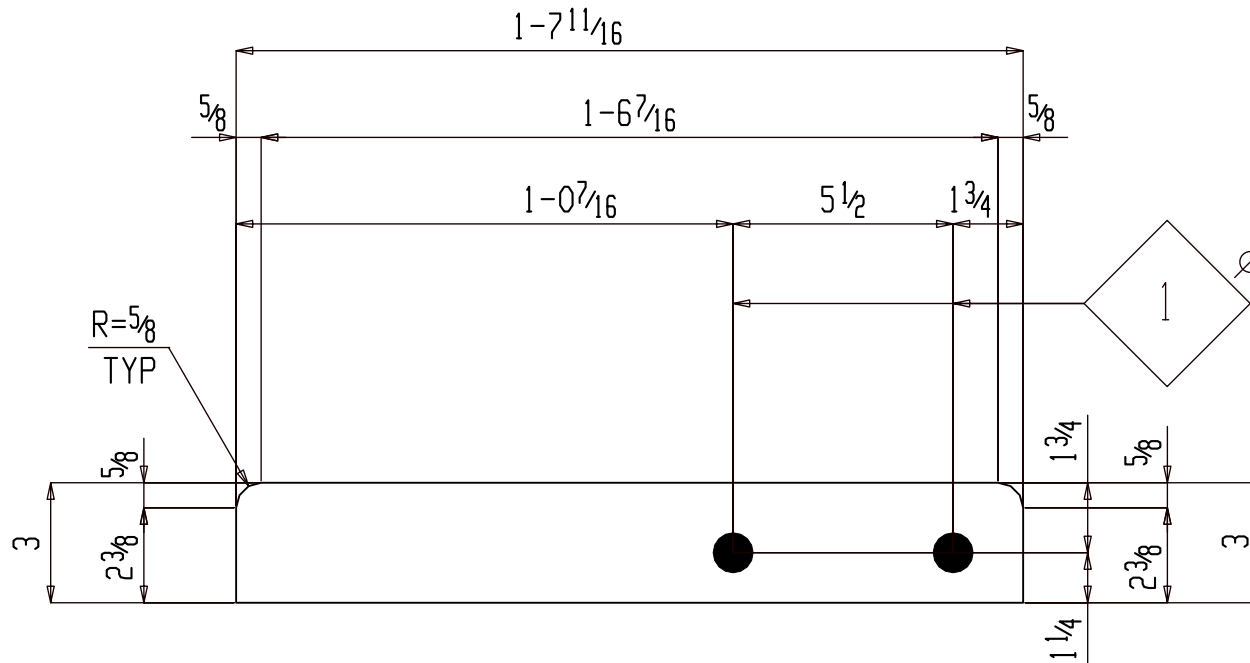
5	B102
5	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p233		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 PL 1/2 x 3 x 1-7 1/16 p235

GRADE: A36

NO PAINT

SHOP NOTE:

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

For Fabrication

2	B102
2	B101
QTY	ASSY

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

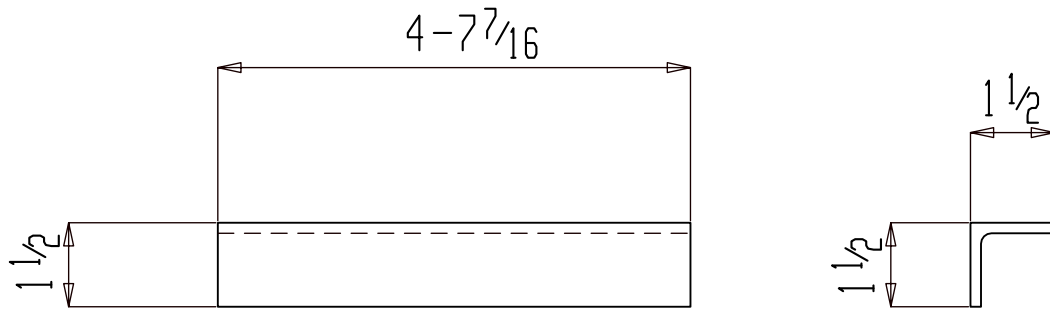
DATE: 05-26-22

DESCRIPTION: PLATE

JOB NUMBER	SHEET NO.	REV
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460	p235	Ø
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△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



8 L 1 1/2 x 1 1/2 x 3/16 x 4-7 7/16 p260

GRADE: A36

NO PAINT

4	B105
4	B104
QTY	ASSY

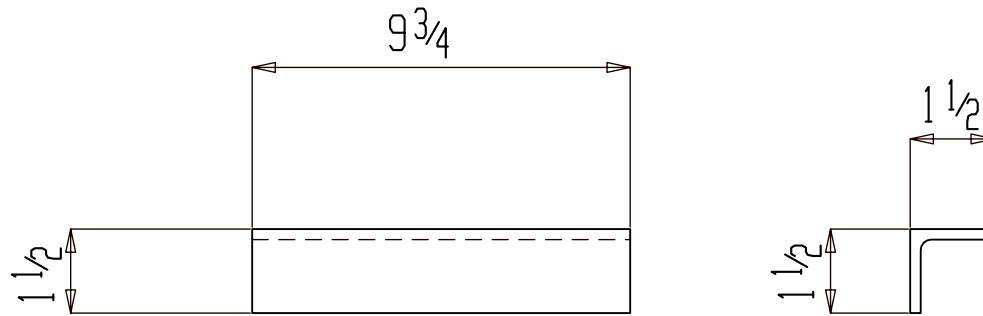
For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p260		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE





8 L 1 1/2 x 1 1/2 x 3/16 x 0-9 3/4 p276

GRADE: A36

NO PAINT

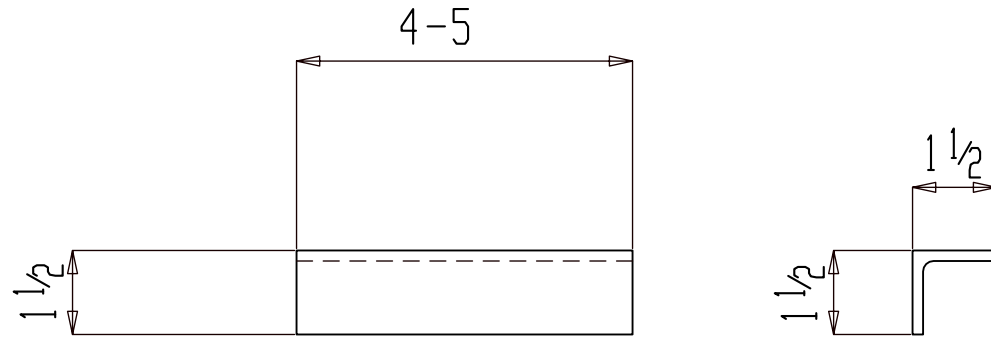
4	B108
2	B107
2	B106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p276		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



12 L 1 1/2 x 1 1/2 x 3/16 x 4-5 p277

GRADE: A36

NO PAINT

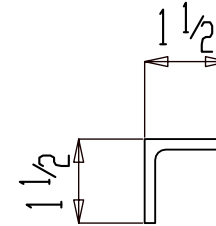
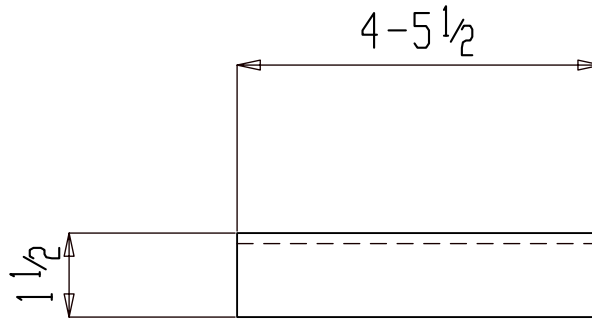
6	B108
3	B107
3	B106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p277		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 4 - 5 1/2 p278

GRADE: A36

NO PAINT

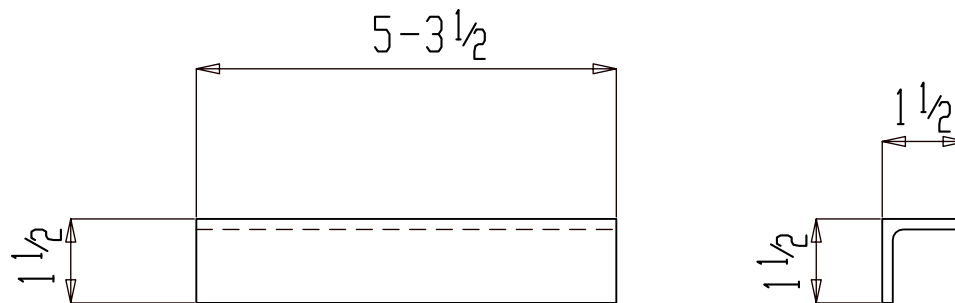
1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p278		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 5-3 1/2 p279

GRADE: A36

NO PAINT

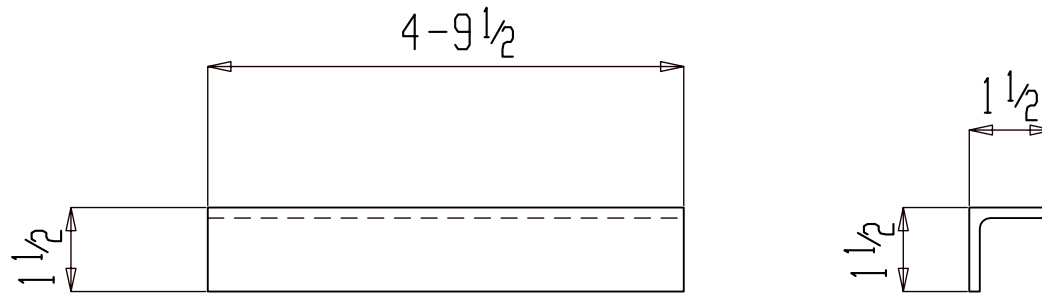
1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p279		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 4-9 1/2 p281

GRADE: A36

NO PAINT

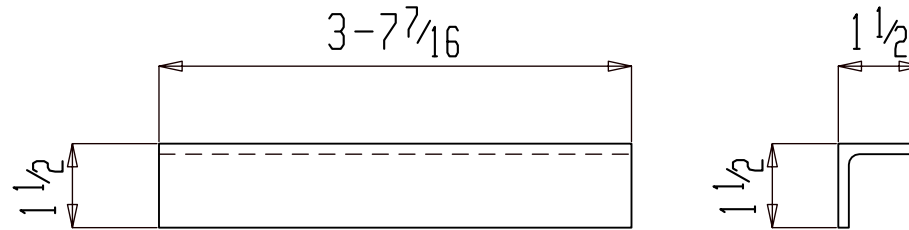
1	B105
1	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p281		0

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 L 1 1/2 x 1 1/2 x 3/16 x 3-7 7/16 p282

GRADE: A36

NO PAINT

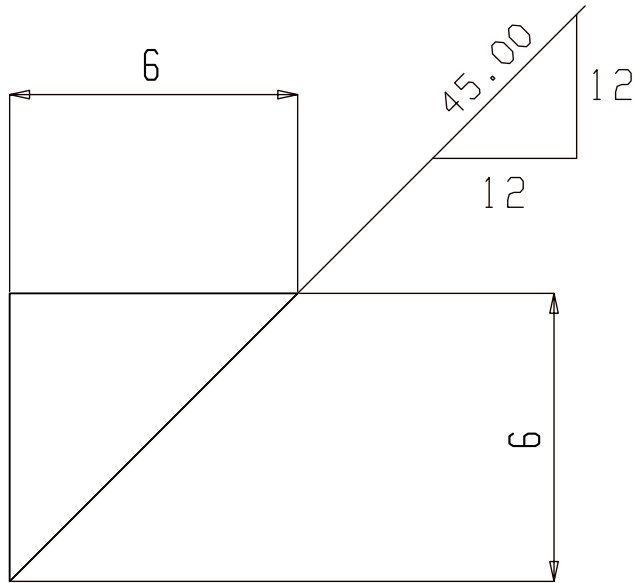
2	B105
2	B104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p282		△

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



5 PL<sup>3/8</sup>x6x0-6 p333

GRADE: A36

NO PAINT

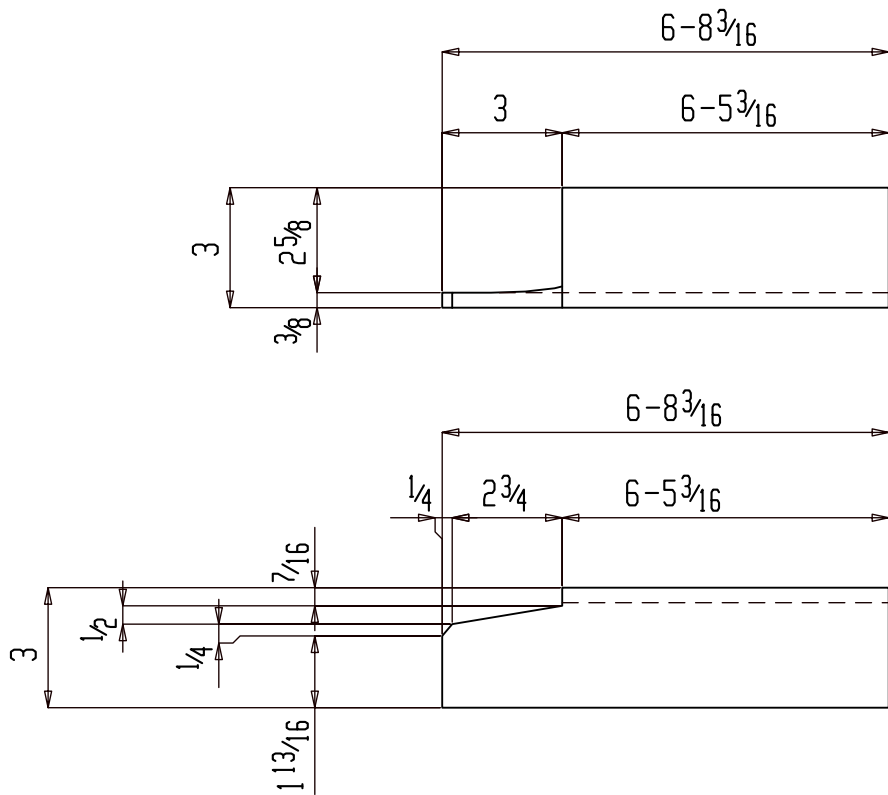
3	AS103
2	AS102
<b>QTY</b>	<b>ASSY</b>

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p333
		REV			△ <sub>0</sub>

△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L3x3x3/8x6-8 3/16 p336

GRADE: A36

NO PAINT

2	AS102
QTY	ASSY

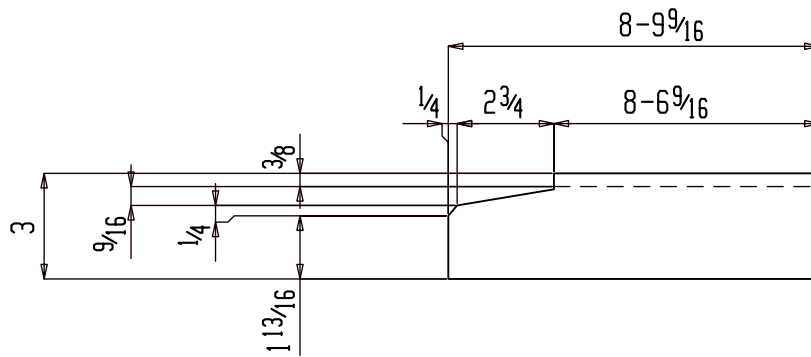
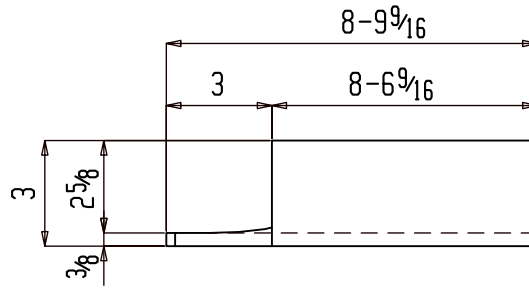
For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	p336
		REV:			0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
0	For Fabrication		





2 L3x3x3/8x8-9/16 p337

GRADE: A36

NO PAINT

2	AS103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: ANGLE

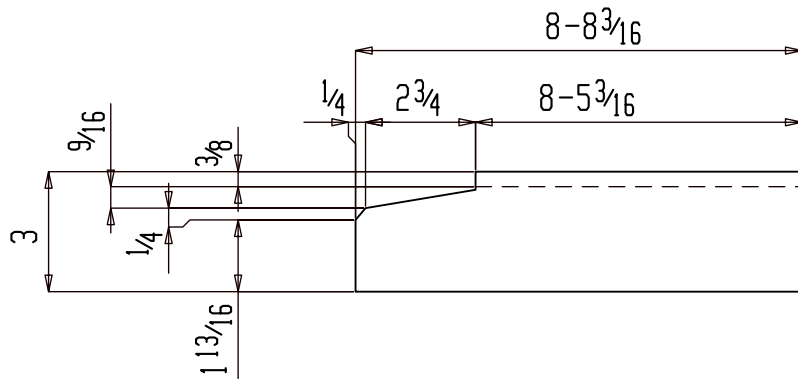
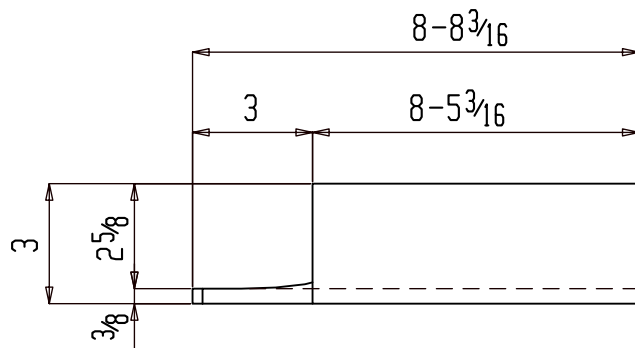
JOB NUMBER | SHEET NO. | REV

460

p337

0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L3x3x3/8x8-8 3/16 p338

GRADE: A36

NO PAINT

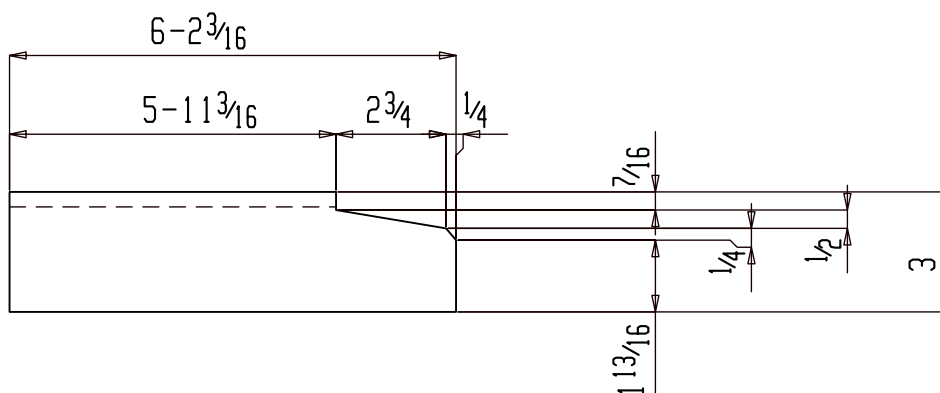
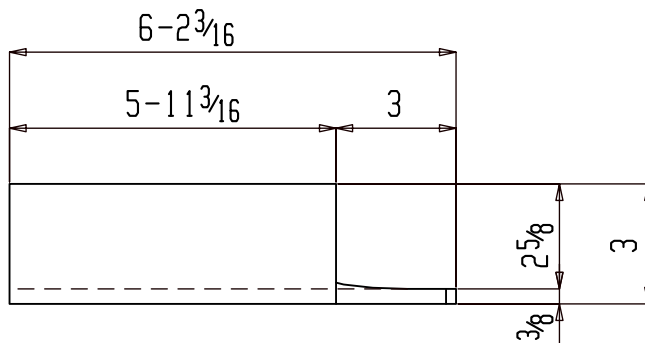
2	AS103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p338	0	

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x3/8x6-2 3/16 p340

GRADE: A36

NO PAINT

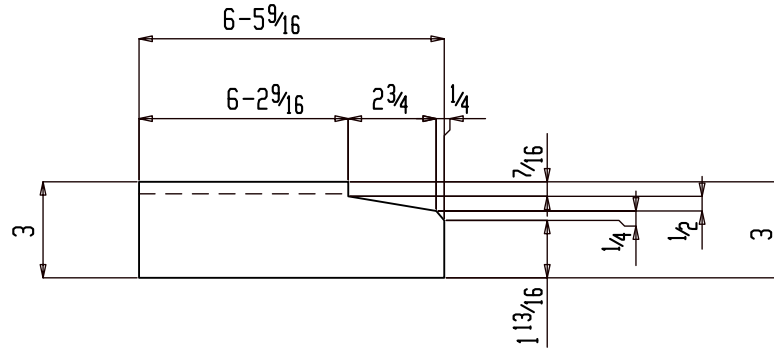
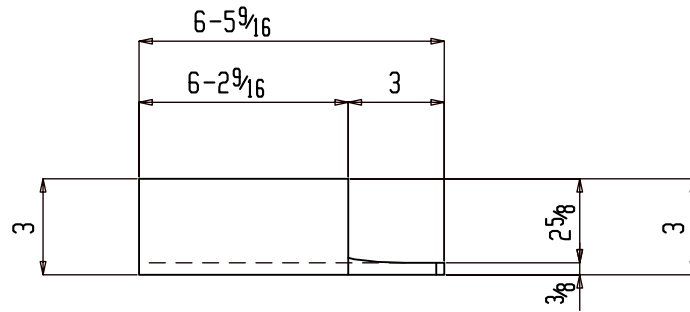
1	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p340
		REV			0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
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△			
△	For Fabrication		



ONE L3x3x3/8x6-5 9/16 p341

GRADE: A36

NO PAINT

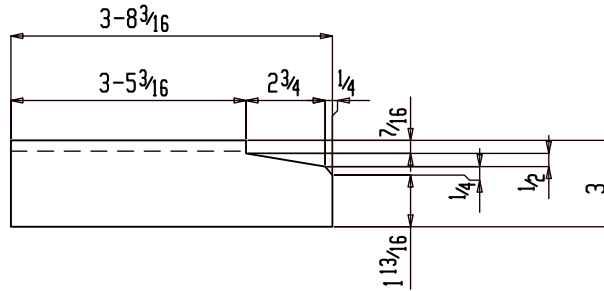
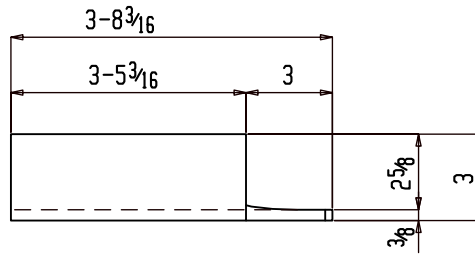
1	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p341		0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE L3x3x3/8x3-8 3/16 p351

GRADE: A36

NO PAINT

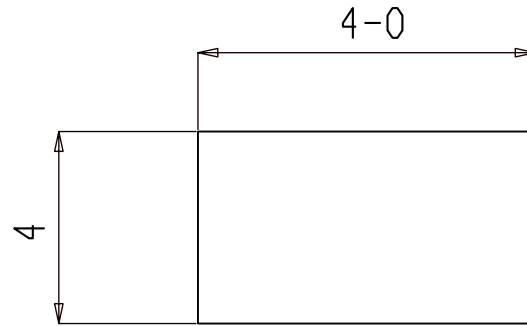
1	FR102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p351
		REV			0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE FB $\frac{3}{8}$ x4x4-0 p352

GRADE: A36

NO PAINT

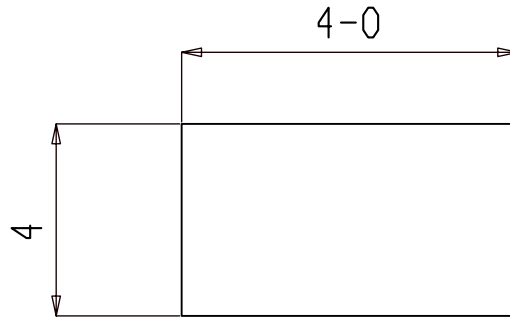
1	HR102
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p352
		REV			$\triangle$

$\triangle$			
$\triangle$			
$\triangle$			
$\triangle$	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE FB $\frac{3}{8}$ x4x4-0 p353

GRADE: A36

NO PAINT

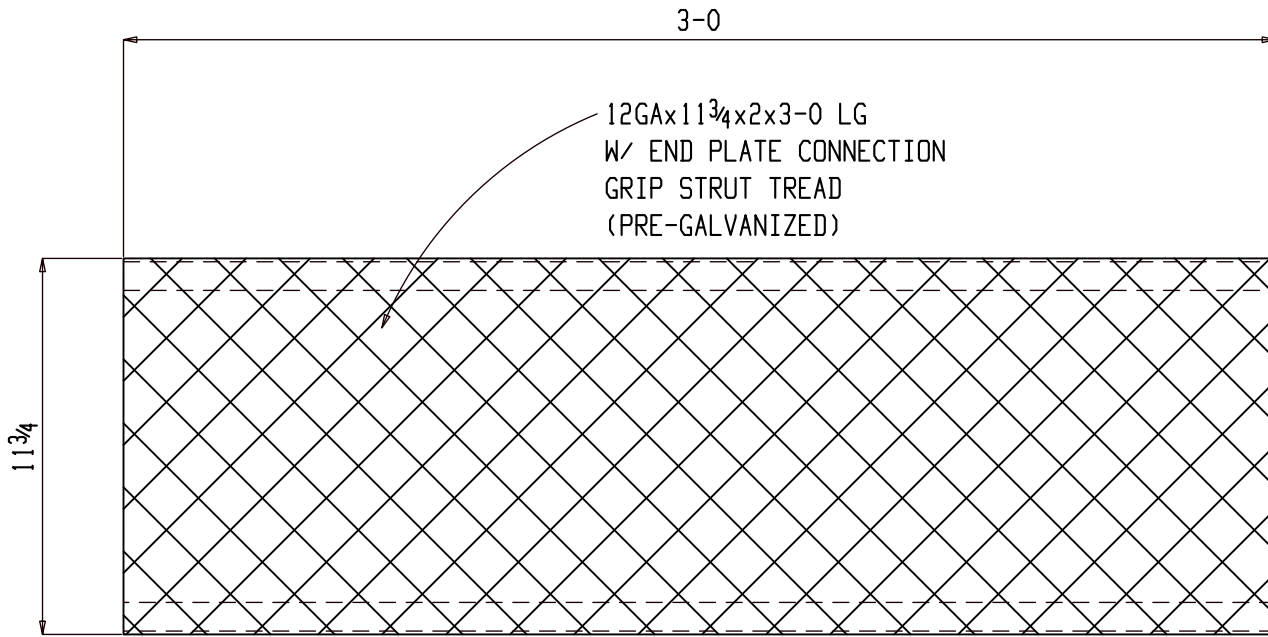
1	HR102
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p353
					REV $\frac{0}{1}$

REV.	DESCRIPTION	BY	DATE
$\frac{0}{1}$	For Fabrication	ALN	07-21-22
$\triangle$			
$\triangle$			
$\triangle$			



8 GRIPSTRUT 12GAx1 1/4x2x3-0 p354

PRE-GALVANIZED

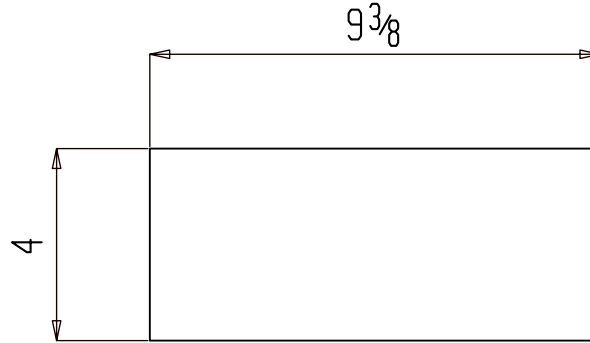
8	S101
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE: N.A.	
DESCRIPTION: GRIPSTRUT TREAD		DATE: 05-26-22	
		JOB NUMBER	SHEET NO.
		460	p354
			△

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE





ONE FB $9\frac{3}{8}$ x4x0- $9\frac{3}{8}$  p356

GRADE: A36

NO PAINT

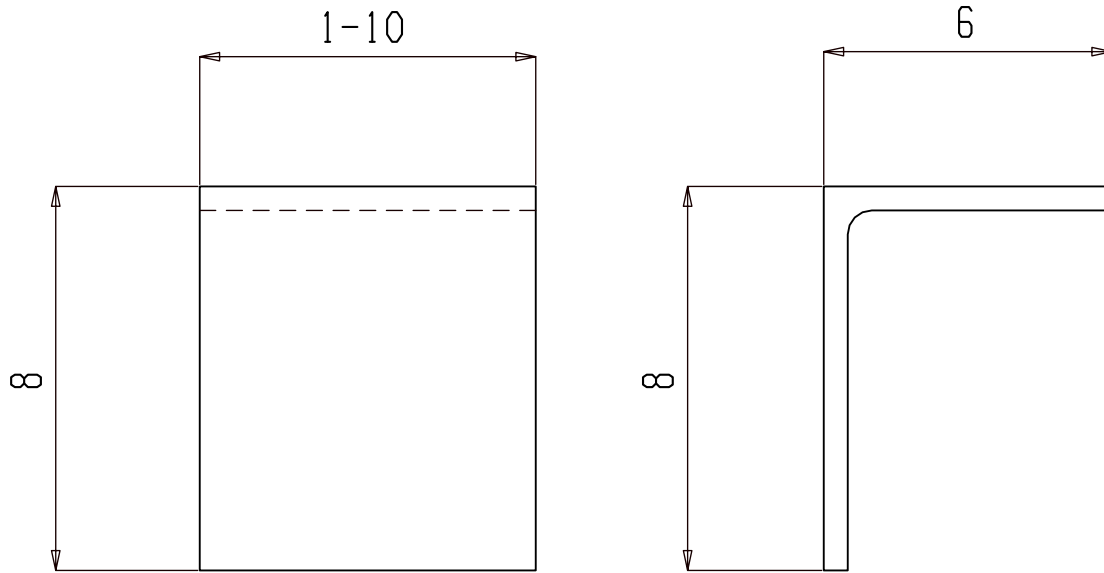
1	HR103
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p356
		REV			$\triangle$

REV.	DESCRIPTION	BY	DATE
$\triangle$			
$\triangle$			
$\triangle$			
$\triangle$	For Fabrication	ALN	07-21-22



3 L8x6x1/2x1-10 p369

GRADE: A36

NO PAINT

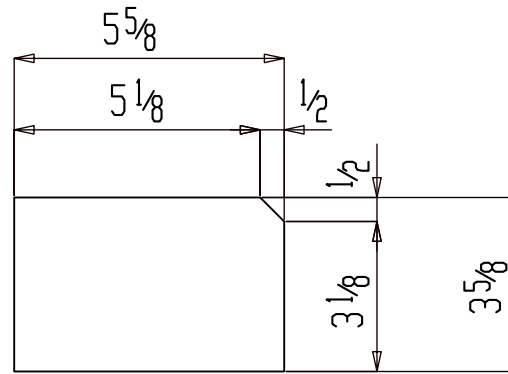
3	FR110
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p369		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-21-22



24 PL  $3 \frac{1}{8} \times 3 \frac{5}{8} \times 0 - 5 \frac{5}{8}$  p384

GRADE: A36

NO PAINT

24 M262

QTY ASSY

For Fabrication

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

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: PLATE

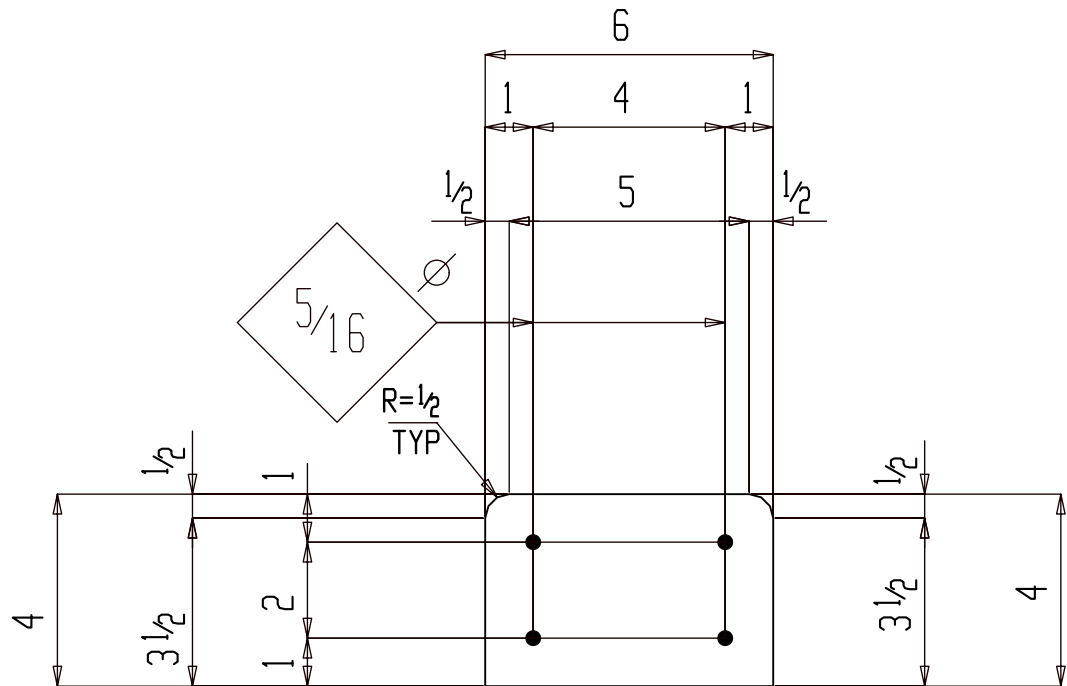
JOB NUMBER SHEET NO. REV

460

p384

0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-21-22



3 PL<sup>3/4</sup>x4x0-6 p457

EPDM RUBBER PAD

1	M269
2	M268
QTY	ASSY

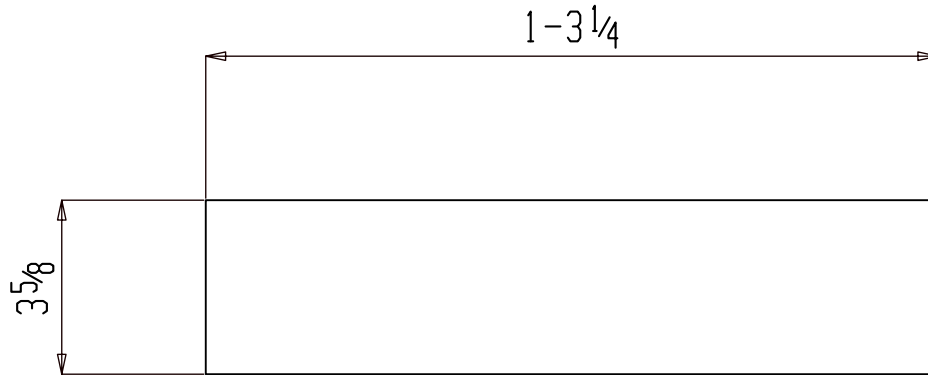
For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE  
 LOCATION: ALASKA  
 CONTRACTOR: ALASKA ENERGY AUTHORITY  
 DESCRIPTION: EPDM RUBBER PAD

DR. BY: PKM | CHK. BY: ALN  
 SCALE: N.A.  
 DATE: 05-26-22  
 JOB NUMBER: 460 | SHEET NO.: p457 | REV: 0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
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△			
△			
△	For Fabrication	ALN	07-21-22



12 PL 1/4 x 3 5/8 x 1-3 1/4 p460

GRADE: A36

NO PAINT

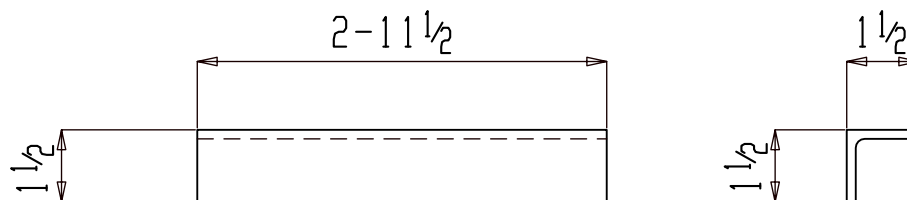
12	M262
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p460
					REV
					0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 L1 1/2 x 1 1/2 x 3/16 x 2-11 1/2 p464

GRADE: A36

NO PAINT

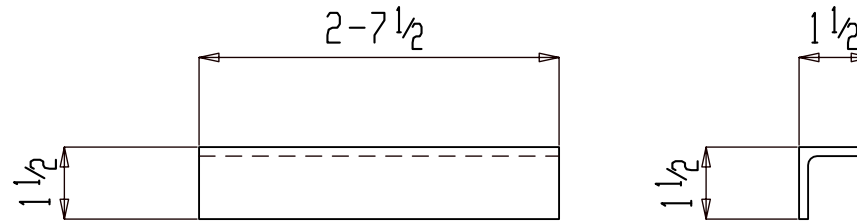
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p464		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-21-22



2 L1 1/2 x 1 1/2 x 3/16 x 2-7 1/2 p465

GRADE: A36

NO PAINT

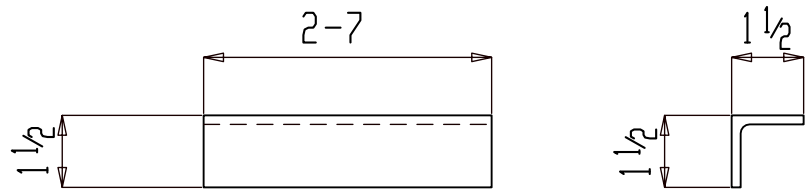
1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p465		0

REV.	DESCRIPTION	BY	DATE
0	For Fabrication	ALN	07-21-22



6 L 1 1/2 x 1 1/2 x 3/16 x 2-7 p466

GRADE: A36

NO PAINT

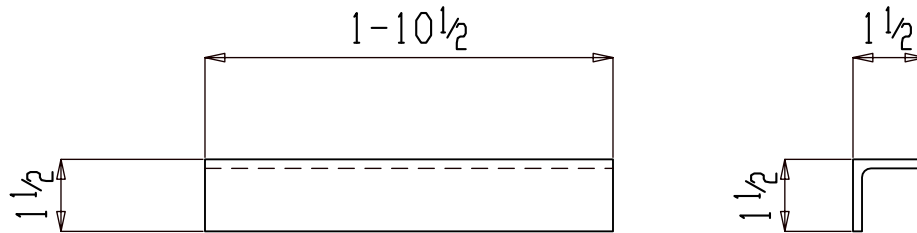
3	B102
3	B101
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	ANGLE	SHEET NO.:	p466
REV.		REV	0

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE





4 L1 1/2 x 1 1/2 x 3/16 x 1-10 1/2 p467

GRADE: A36

NO PAINT

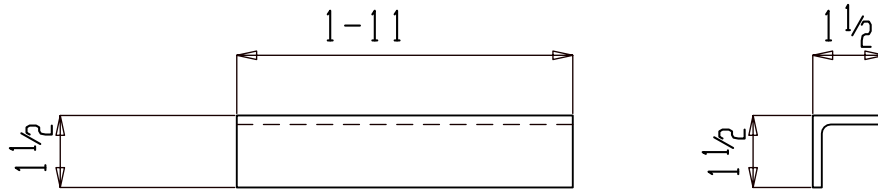
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p467		△

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 L1 1/2 x 1 1/2 x 3/16 x 1-11 p468

GRADE: A36

NO PAINT

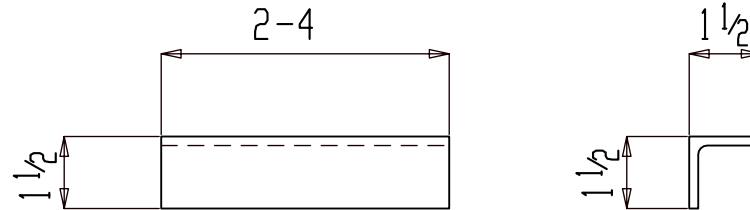
2	B102
2	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p468		0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 2-4 p469

GRADE: A36

NO PAINT

1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: ANGLE

DR. BY: PKM | CHK. BY: ALN

SCALE: N.A.

DATE: 05-26-22

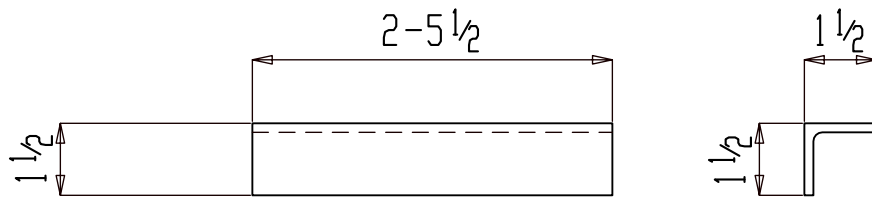
JOB NUMBER | SHEET NO. | REV

460

p469



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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L 1 1/2 x 1 1/2 x 3/16 x 2-5 1/2 p470

GRADE: A36

NO PAINT

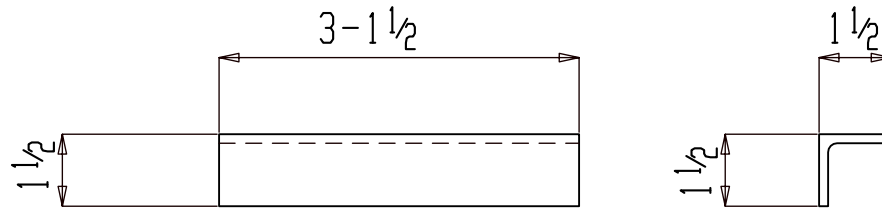
1	B102
1	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	p470		0

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



6 L1 1/2 x 1 1/2 x 3/16 x 3-1 1/2 p471

GRADE: A36

NO PAINT

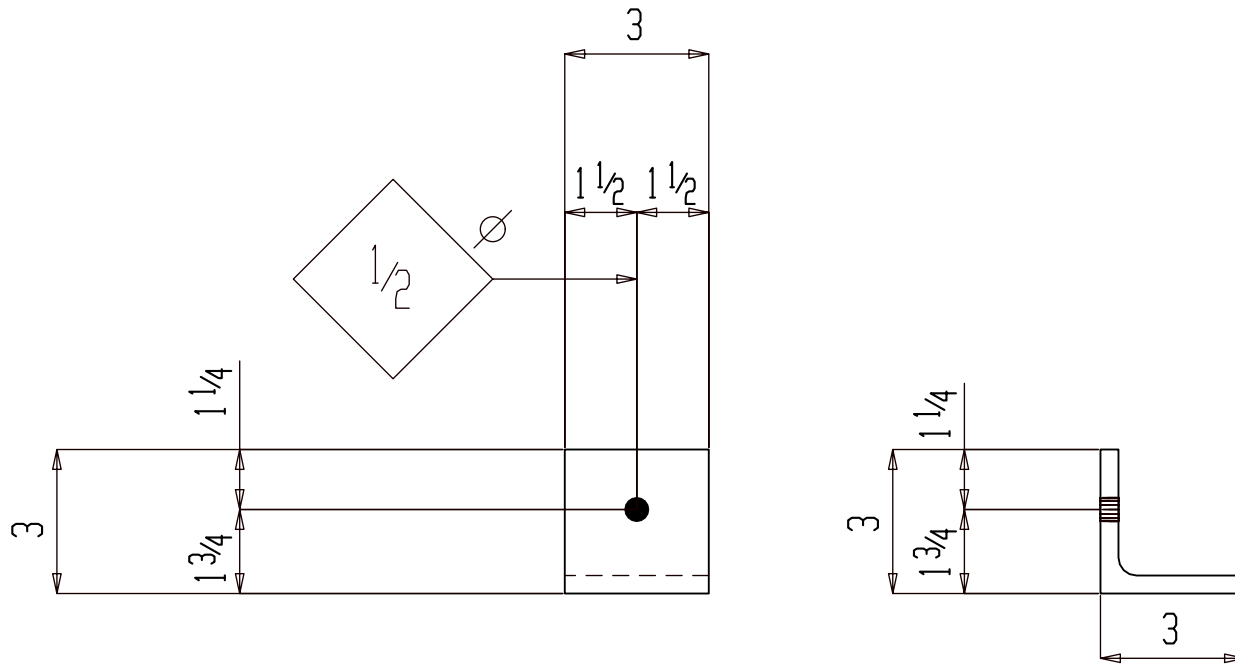
3	B102
3	B101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	p471
		REV			△ 0

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 L3x3x3/8x0-3 p478

GRADE: A36

NO PAINT

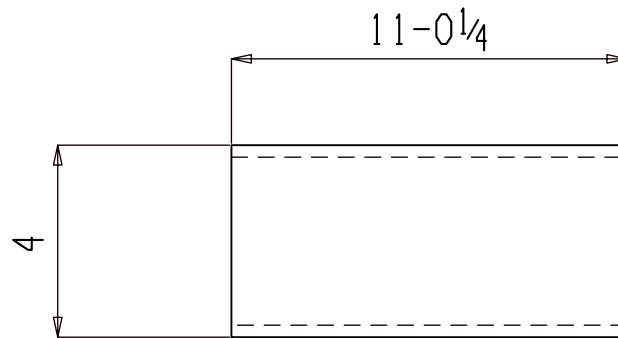
2	S101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	p478
		REV:			0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
0	For Fabrication		



ONE HSS4x4x1/4x11-0 1/4 t18

GRADE: A500B

NO PAINT

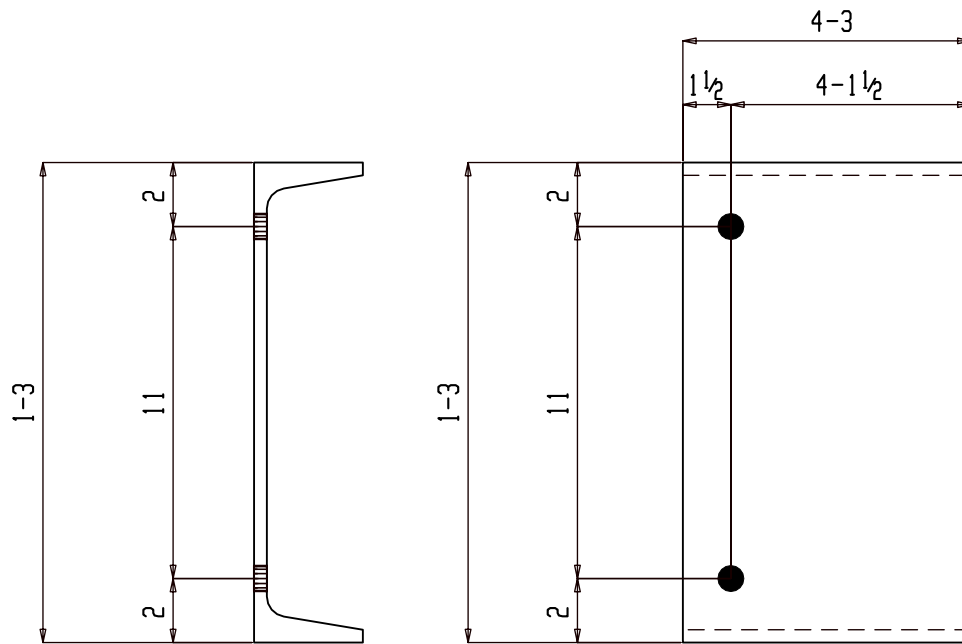
1	FR106
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t18
					REV

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-21-22



4 C15x33.9x4-3 t57

GRADE: A36

NO PAINT

2	FR102
2	FR101
<b>QTY</b>	<b>ASSY</b>

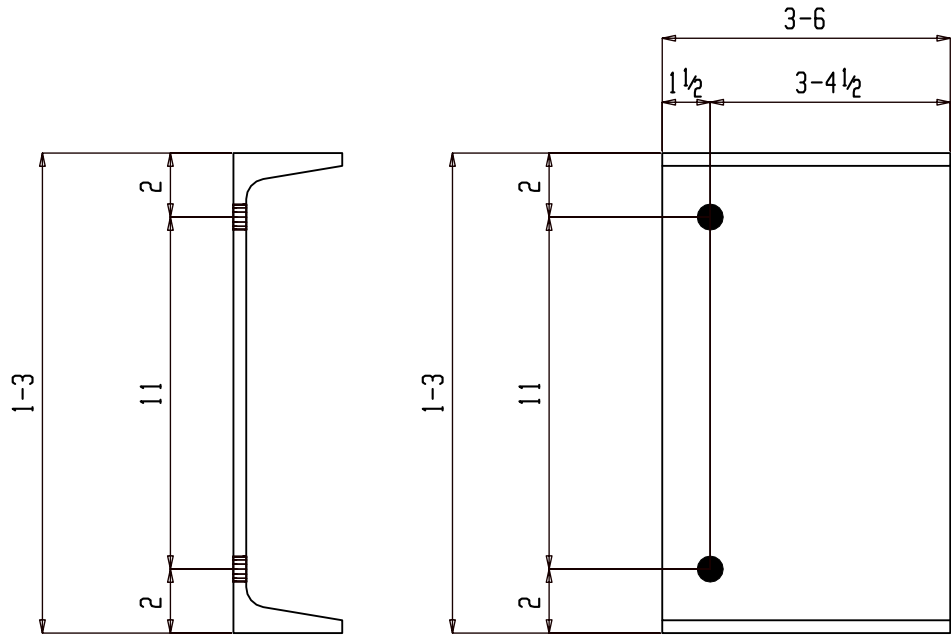
For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t57
					△ <sub>0</sub>

REV.	DESCRIPTION	ALN BY	DATE
△ <sub>0</sub>	For Fabrication	ALN	07-21-22
△			
△			
△			





5 C15x33.9x3-6 t126

GRADE: A36

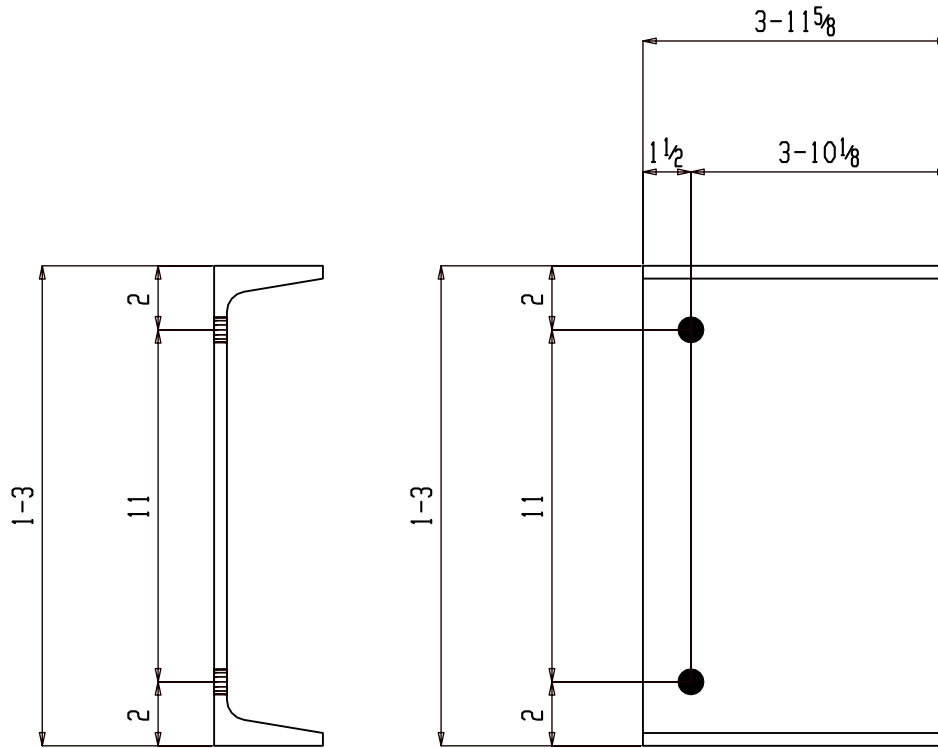
NO PAINT

3	AS103
2	AS102
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
LOCATION:	ALASKA	CHK. BY:	ALN
CONTRACTOR:	ALASKA ENERGY AUTHORITY	SCALE:	N.A.
DATE:	05-26-22	JOB NUMBER:	460
DESCRIPTION:	CHANNEL	SHEET NO.:	t126
REV.	DESCRIPTION	REV	0

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△			
△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE C15x33.9x3-11<sup>5</sup>/<sub>8</sub> t137

GRADE: A36

NO PAINT

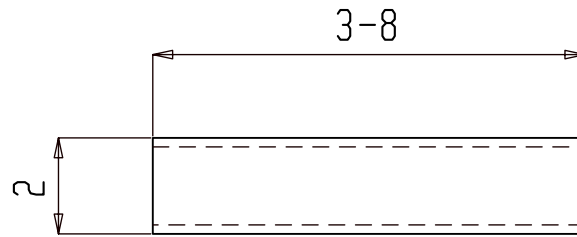
1	FR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t137
		REV			0

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 HSS2x2x $\frac{3}{16}$ x3-8 t143

GRADE: A500B

NO PAINT

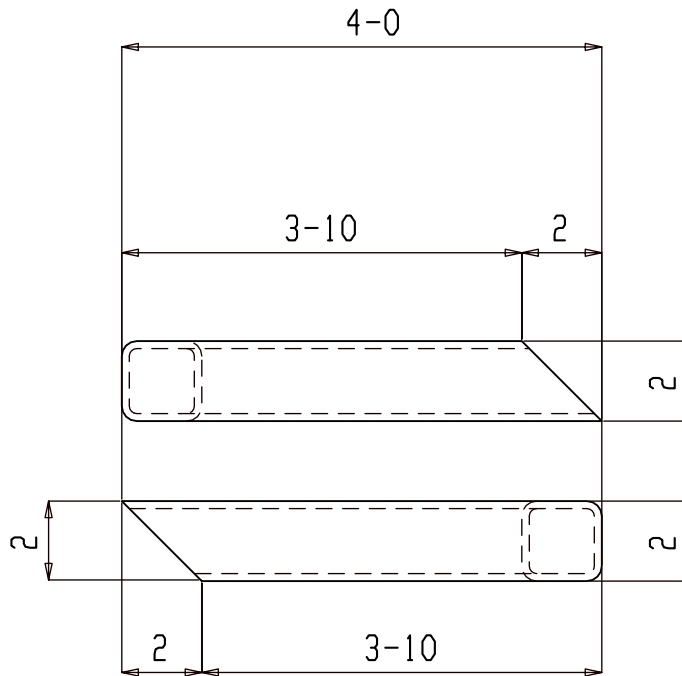
1	HR105
1	HR104
2	HR102
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	
		460	t143		$\frac{0}{\Delta}$

$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x4-0 t165

GRADE: A500B

NO PAINT

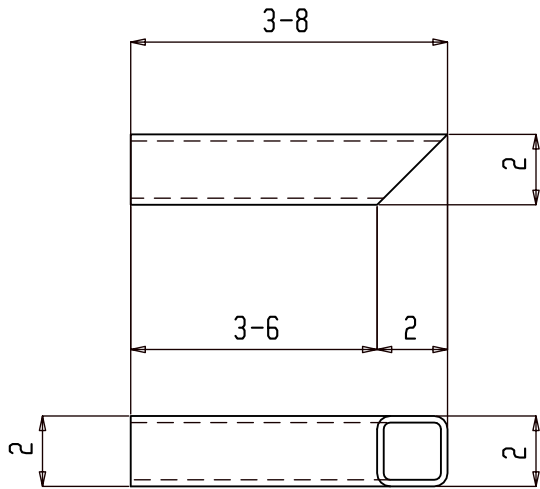
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t165
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-8 t166

GRADE: A500B

NO PAINT

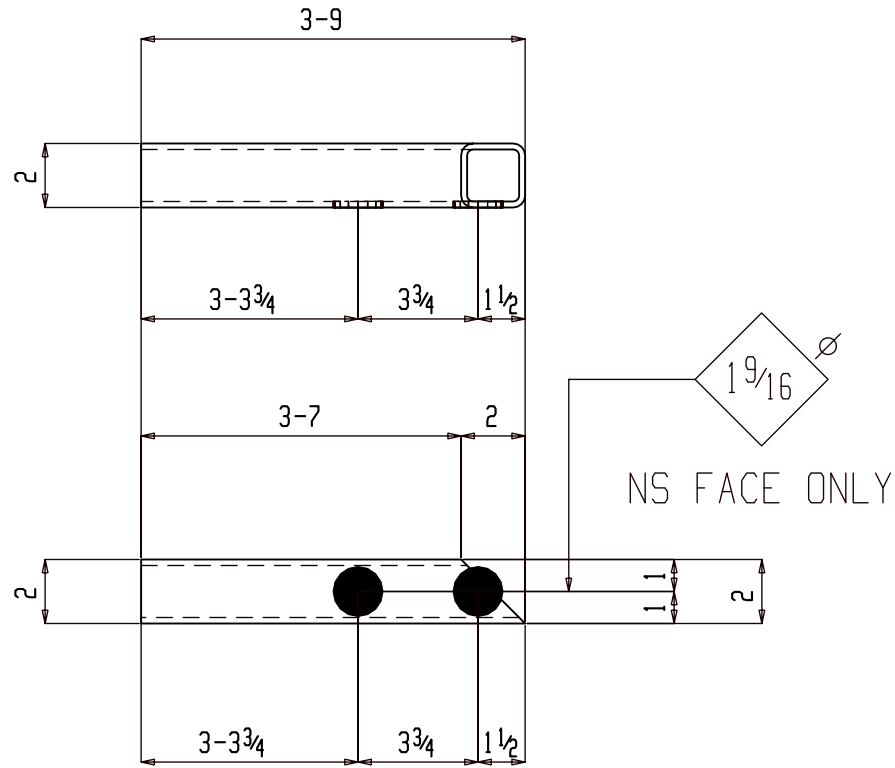
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t166
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x $\frac{3}{16}$ x3-9 t167

GRADE: A500B

NO PAINT

SHOP NOTE :

1. FABRICATOR OPTION TO PUNCH OVER RUN HOLE AFTER WELDING THIS t167 WITH HR104.

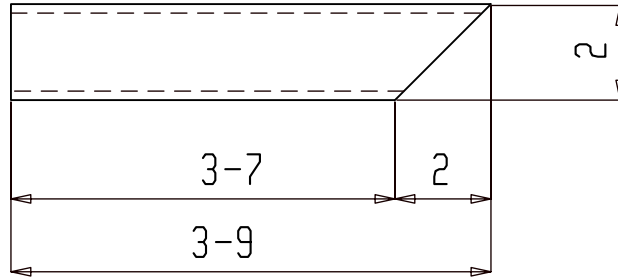
For Fabrication

1	HR104
QTY	ASSY

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t167
					REV $\frac{0}{1}$

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-9 t168

GRADE: A500B

NO PAINT

1	HR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE  
 LOCATION: ALASKA  
 CONTRACTOR: ALASKA ENERGY AUTHORITY

DR. BY: PKM | CHK. BY: ALN

SCALE: N.A.

DATE: 05-26-22

JOB NUMBER	SHEET NO.	REV
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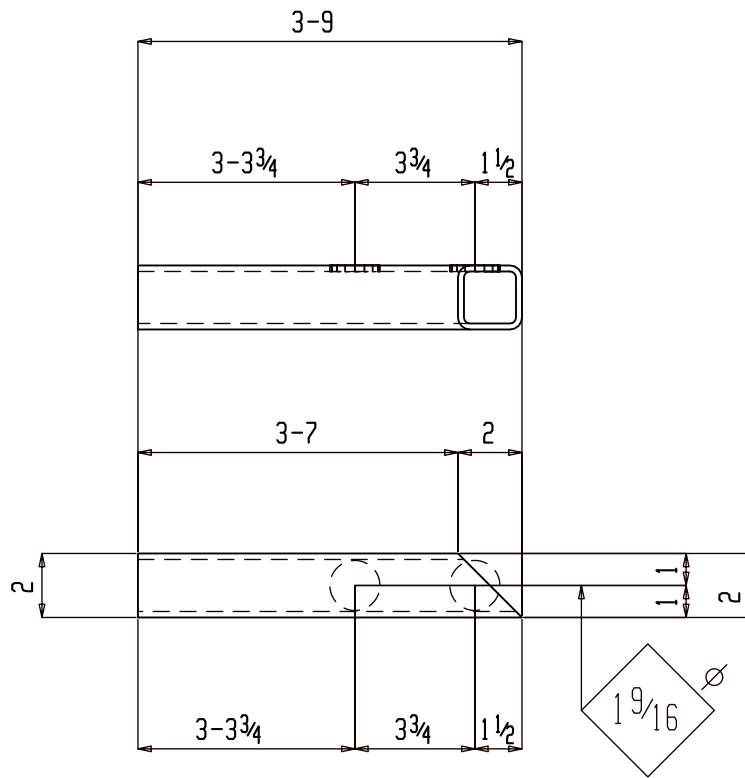
DESCRIPTION: HSS

460

t168



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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



FS FACAE ONLY

ONE HSS2x2x $\frac{3}{16}$ x3-9 t169

GRADE: A500B

NO PAINT

SHOP NOTE :

- FABRICATOR OPTION TO PUNCH OVER RUN HOLE AFTER WELDING THIS t167 WITH HR104.

For Fabrication

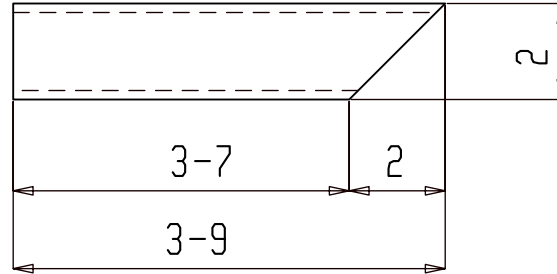
1	HR105
QTY	ASSY

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t169
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REV.	DESCRIPTION	BY	DATE
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△			
△	For Fabrication	ALN	07-21-22





ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-9 t170

GRADE: A500B

NO PAINT

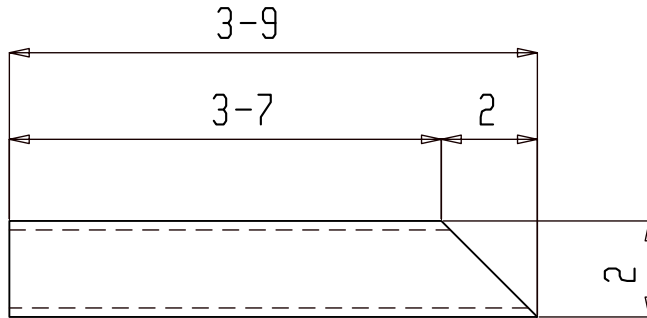
1	HR105
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t170
					REV 0

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x $\frac{3}{16}$ x3-9 t171

GRADE: A500B

NO PAINT

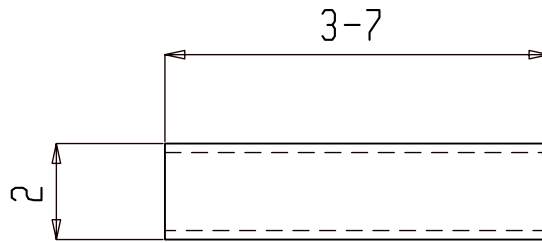
1	HR102
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t171
					REV

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-7 t172

GRADE: A500B

NO PAINT

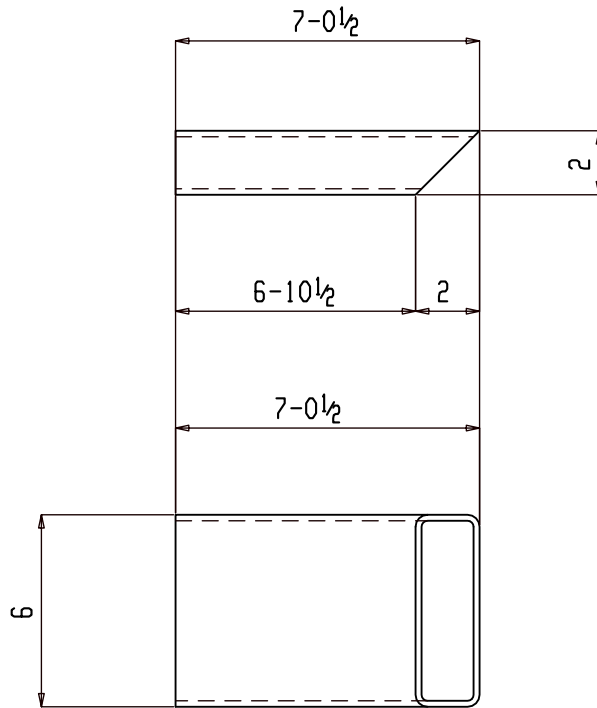
1	HR102
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t172
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS6x2x3/16x7-0 1/2 t192

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.

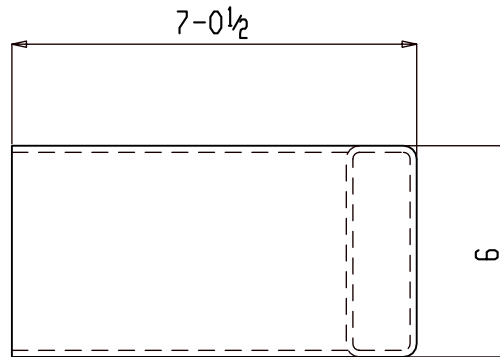
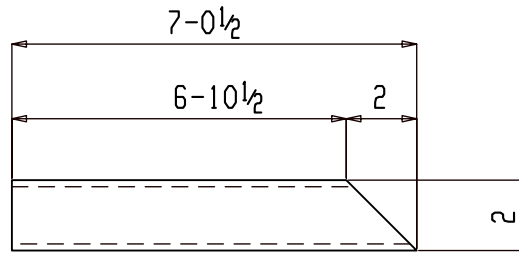
1	FR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t192
					REV

REV.	DESCRIPTION	BY	DATE
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△			
△	For Fabrication	ALN	07-21-22



ONE HSS6x2x<sup>3</sup>/<sub>16</sub>x7-0<sup>1</sup>/<sub>2</sub> t194

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.

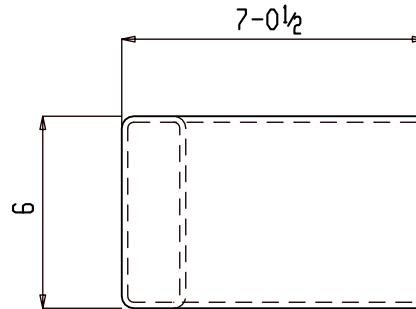
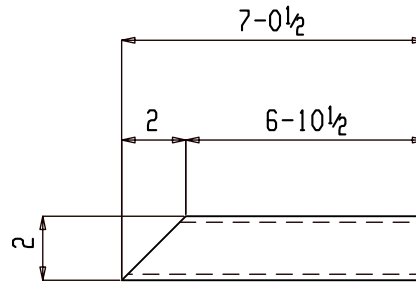
1	FR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t194
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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 HSS6x2x3/16x7-0 1/2 t212

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.

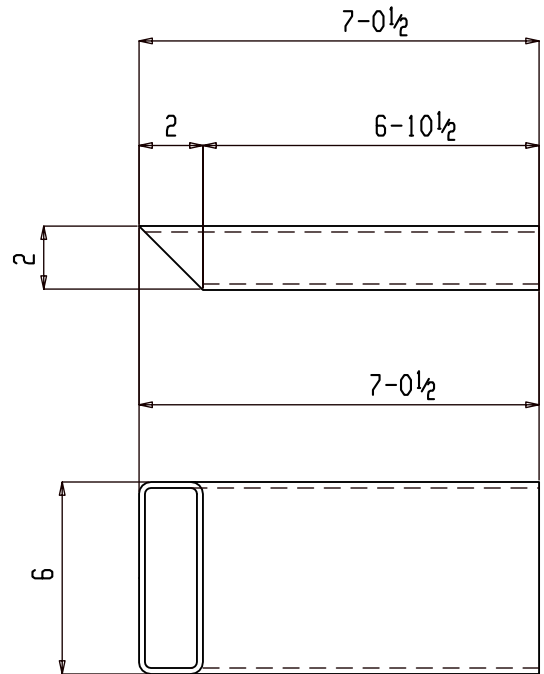
1	FR105
1	FR104
<b>QTY</b>	<b>ASSY</b>

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t212
					REV
					0

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS6x2x3/16x7-0 1/2 t214

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.

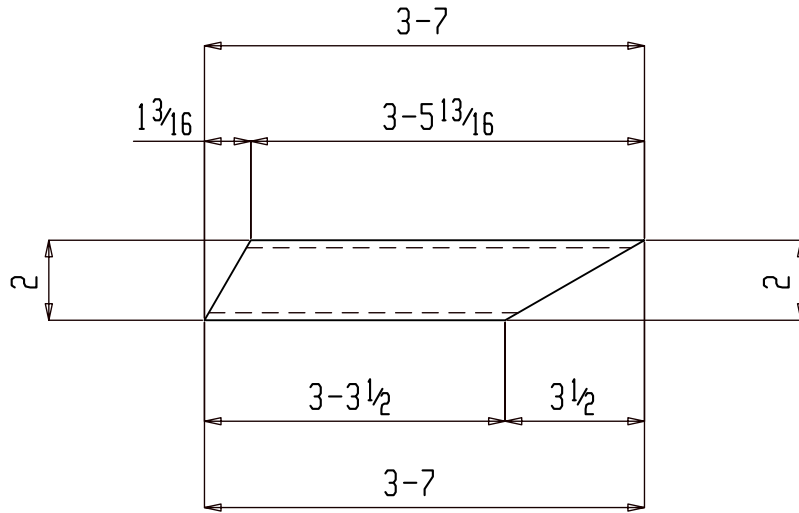
1	FR104
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t214
					REV

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



2 HSS2x2x $\frac{3}{16}$ x3-7 t220

GRADE: A500B

NO PAINT

2	HR101
QTY	ASSY

For Fabrication

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

JOB NAME: NAPASKIAK 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
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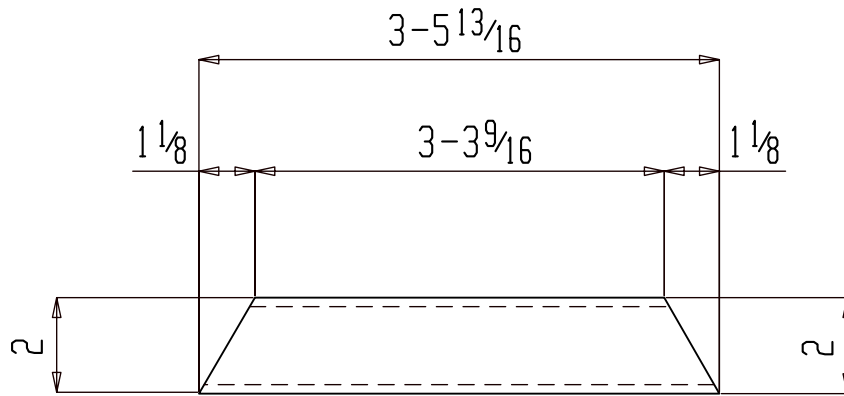
460

t220

$\frac{0}{1}$

REV.	DESCRIPTION	BY	DATE
$\frac{0}{1}$	For Fabrication	ALN	07-21-22
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2 HSS2x2x3/16 x 3-5 13/16 t222

GRADE: A500B

NO PAINT

2	HR101
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM | CHK. BY: ALN

LOCATION: ALASKA

SCALE: N.A.

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE: 05-26-22

DESCRIPTION: HSS

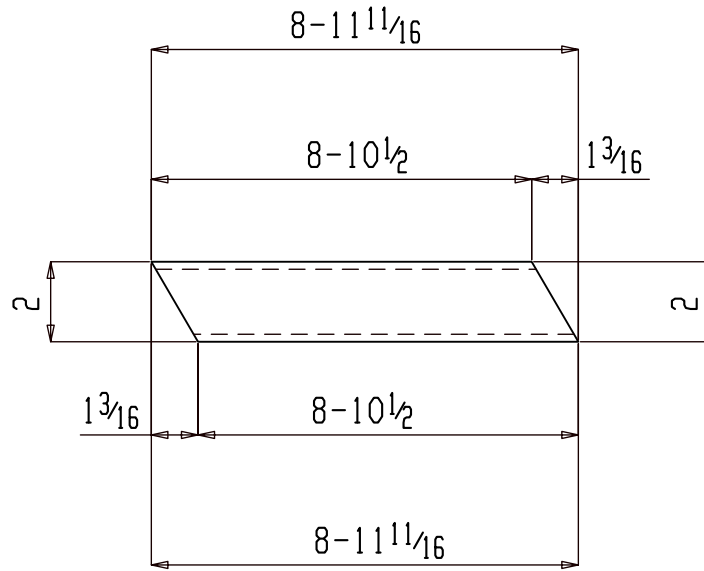
JOB NUMBER	SHEET NO.	REV
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460

t222



REV.	DESCRIPTION	BY	DATE
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△	For Fabrication	ALN	07-21-22



2 HSS2x2x $\frac{3}{16}$ x8-11 $\frac{1}{16}$  t225

GRADE: A500B

NO PAINT

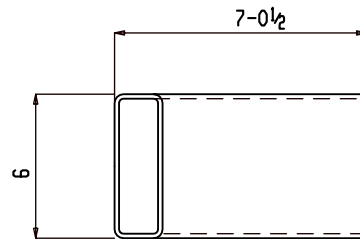
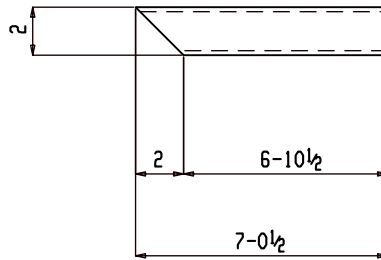
2	HR101
QTY	ASSY

For Fabrication

HOLES U.N.  $1\frac{3}{16}\varnothing$

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t225
					REV

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS6x2x<sup>3</sup>/<sub>16</sub>x7-0<sup>1</sup>/<sub>2</sub> t227

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.

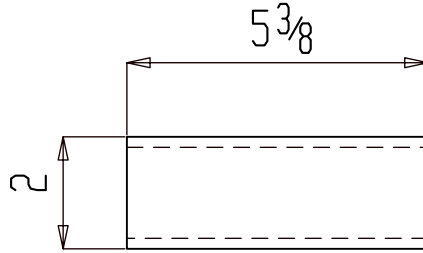
1	FR105
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t227
					REV

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x $\frac{3}{16}$ x0-5 $\frac{3}{8}$  t231

GRADE: A500B

NO PAINT

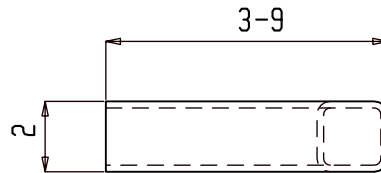
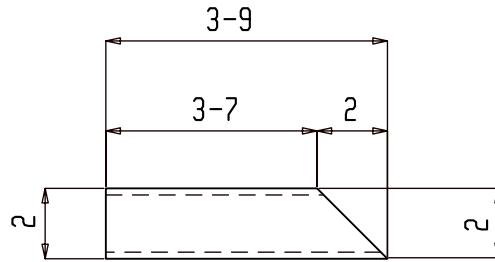
1	HR103
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t231
					REV

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-9 t232

GRADE: A500B

NO PAINT

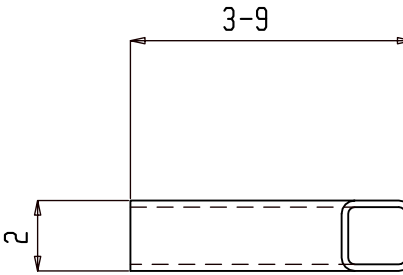
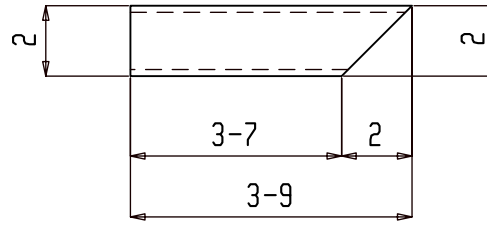
1	HR103
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t232
					REV 0

REV.	DESCRIPTION	ALN BY	DATE
0	For Fabrication	ALN	07-21-22



ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-9 t233

GRADE: A500B

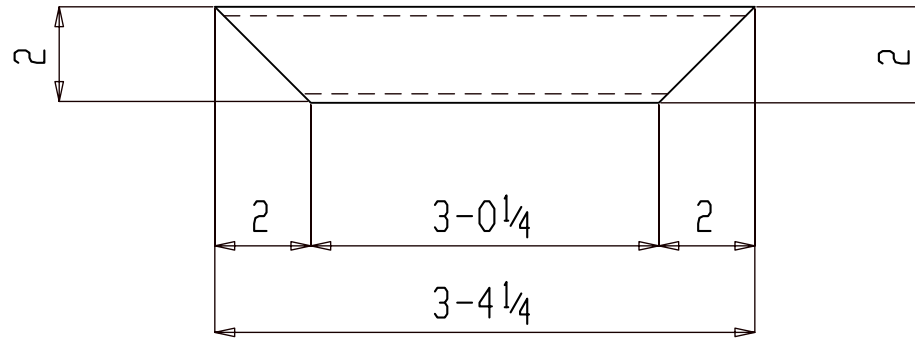
NO PAINT

1	HR103
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK 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	460
		SHEET NO.	t233
		REV	△0

REV.	DESCRIPTION	ALN BY	07-21-22 DATE
△0	For Fabrication		
△			
△			
△			



2 HSS4x2x<sup>3</sup>/<sub>16</sub>x3-4<sup>1</sup>/<sub>4</sub> t240

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.

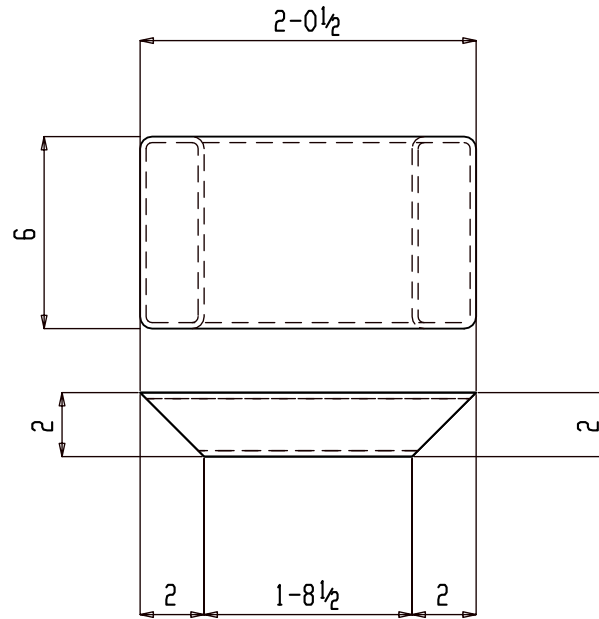
2	FR109
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t240
					△

REV.	DESCRIPTION	BY	DATE
△			
△			
△			
△	For Fabrication	ALN	07-21-22



4 HSS6x2x<sup>3</sup>/<sub>16</sub>x2-0<sup>1</sup>/<sub>2</sub> t255

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.

4	FR112
QTY	ASSY

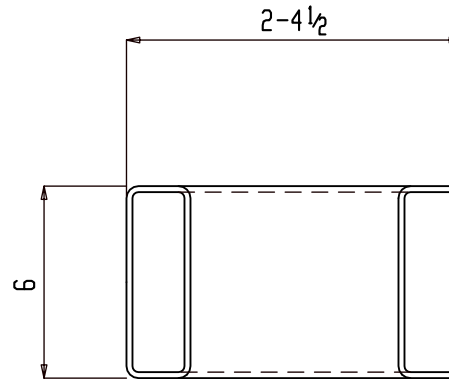
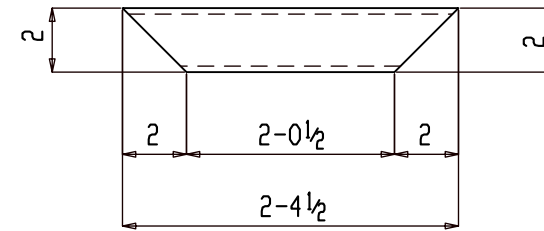
For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	
		460	t255		△

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE





8 HSS6x2x<sup>3</sup>/<sub>16</sub>x2-4 1/2 t275

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.

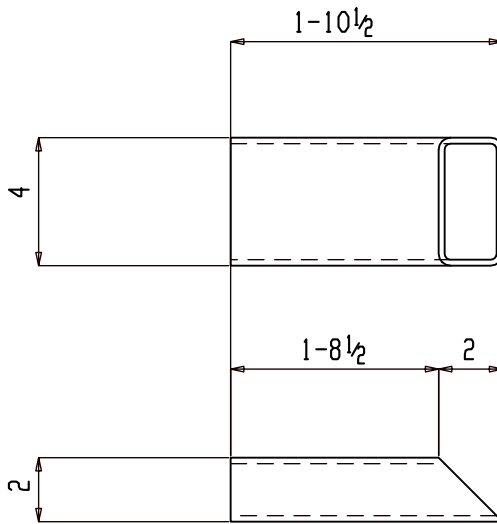
8	FR112
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t275
					△

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△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



6 HSS4x2x3/16x1-10 1/2 t278

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.

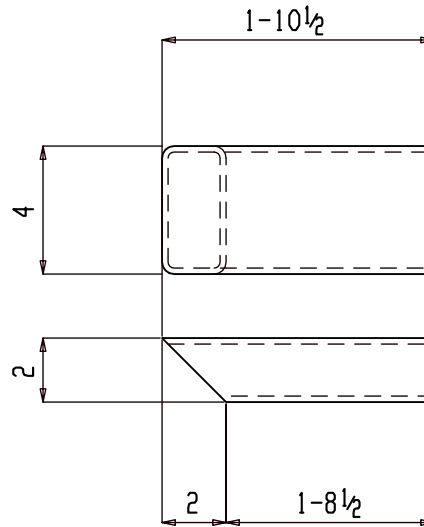
3	FR111
3	FR110
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t278
					REV

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△			
△			
△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



3 HSS4x2x3/16x1-10 1/2 t280

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.

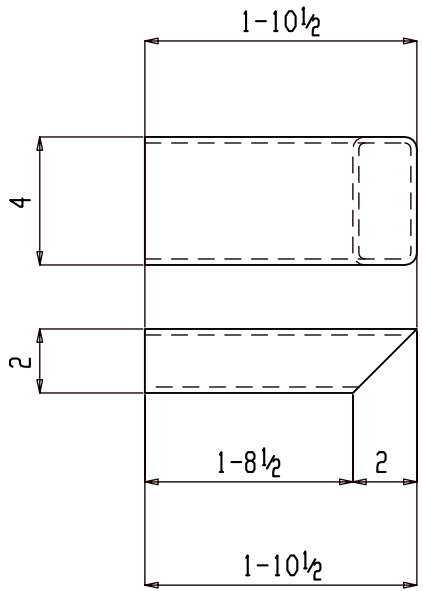
3	FR110
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t280
					REV

REV.	DESCRIPTION	BY	DATE
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△			
△	For Fabrication	ALN	07-21-22



3 HSS4x2x3/16x1-10 1/2 t281

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.

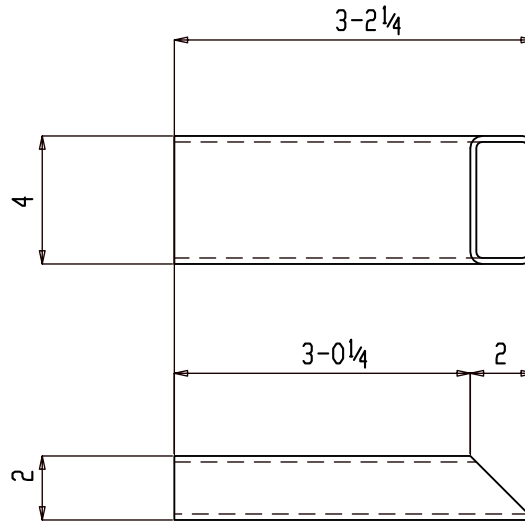
3	FR111
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t281
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS4x2x<sup>3</sup>/<sub>16</sub>x3-2<sup>1</sup>/<sub>4</sub> t289

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.

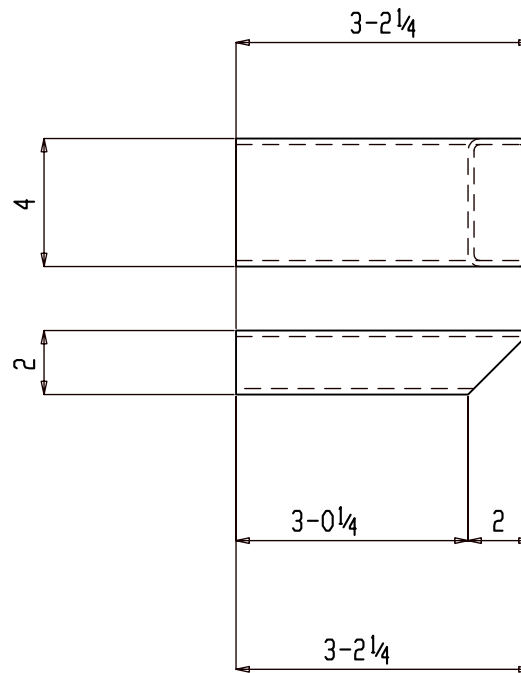
1	FR107
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t289
					△

REV.	DESCRIPTION	BY	DATE
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△			
△			
△	For Fabrication	ALN	07-21-22



ONE HSS4x2x $\frac{3}{16}$ x3-2 $\frac{1}{4}$  t290

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.

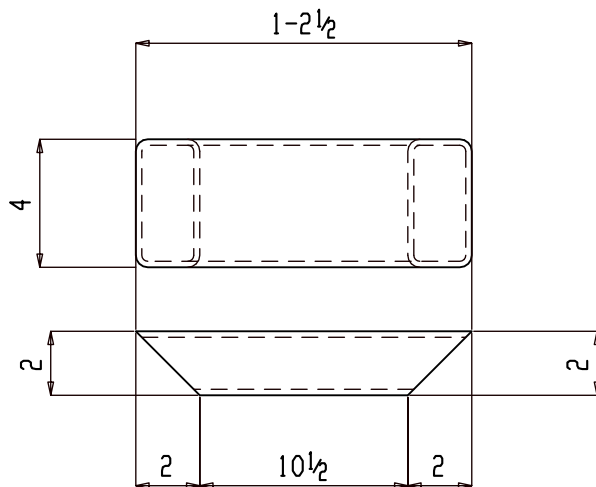
1	FR107
QTY	ASSY

For Fabrication

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

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t290
					$\frac{0}{\Delta}$

$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$			
$\frac{0}{\Delta}$	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



3 HSS4x2x3/16x1-2 1/2 t298

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.

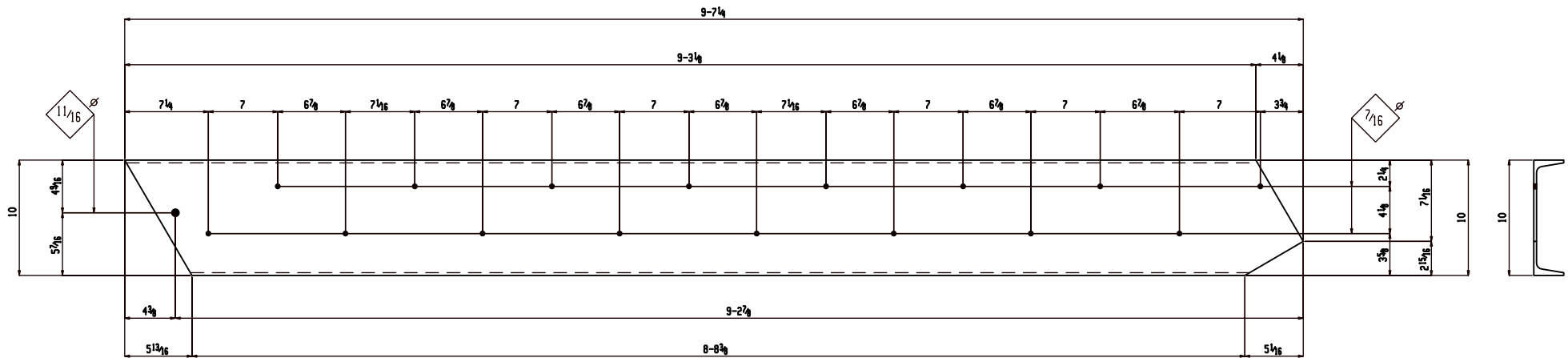
3	FR108
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t298
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE C10x15.3x9-7/16 t325  
GRADE: A36

NO PAINT

1	S101
QTY	ASSY

For Fabrication

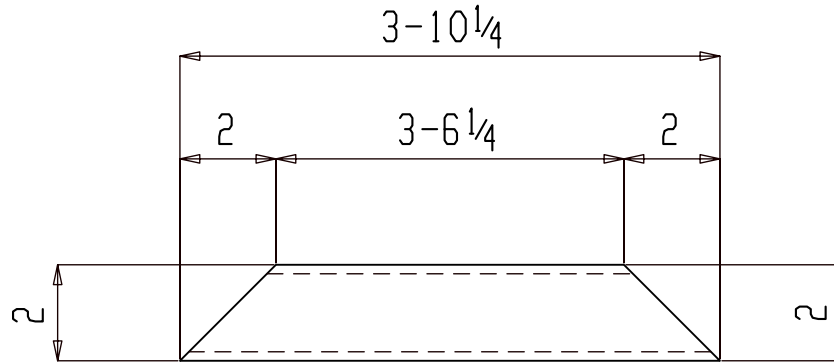
HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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:	460	SHEET NO.:	t325
					REV
					0

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE







ONE HSS4x2x<sup>3</sup>/<sub>16</sub>x3-10<sup>1</sup>/<sub>4</sub> t328

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.

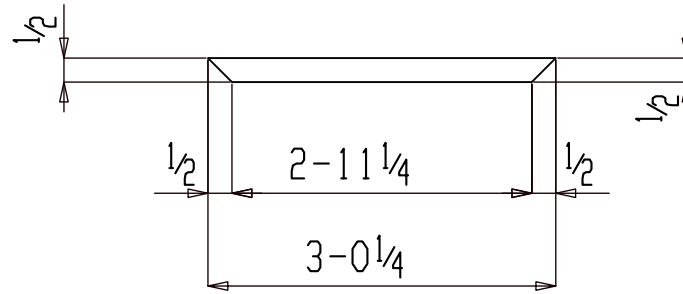
1	FR109
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t328
					REV

REV.	DESCRIPTION	BY	DATE
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△			
△	For Fabrication	ALN	07-21-22



2 SB 1/2 x 3-0 1/4 t335

GRADE: A36

NO PAINT

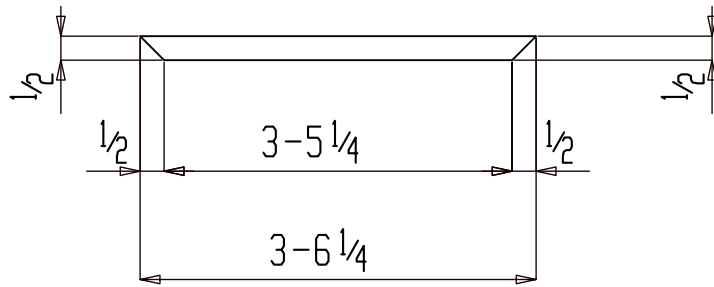
2	FR109
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t335
					REV

REV.	DESCRIPTION	BY	DATE
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△			
△			
△	For Fabrication	ALN	07-21-22



2 SB 1/2 x 3-6 1/4 t336

GRADE: A36

NO PAINT

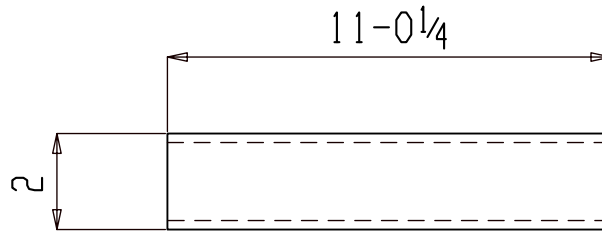
2	FR109
QTY	ASSY

For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:	NAPASKIAK 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	460	SHEET NO.	t336
					REV

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△	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



ONE HSS4x2x<sup>3</sup>/<sub>16</sub>x11-0<sup>1</sup>/<sub>4</sub> t337

GRADE: A500B

NO PAINT

1	FR106
QTY	ASSY

For Fabrication

HOLES U.N.		13/16Ø	
JOB NAME:	NAPASKIAK 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.
REV.	DESCRIPTION	460	t337

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△	For Fabrication	ALN	07-21-22
△		BY	DATE