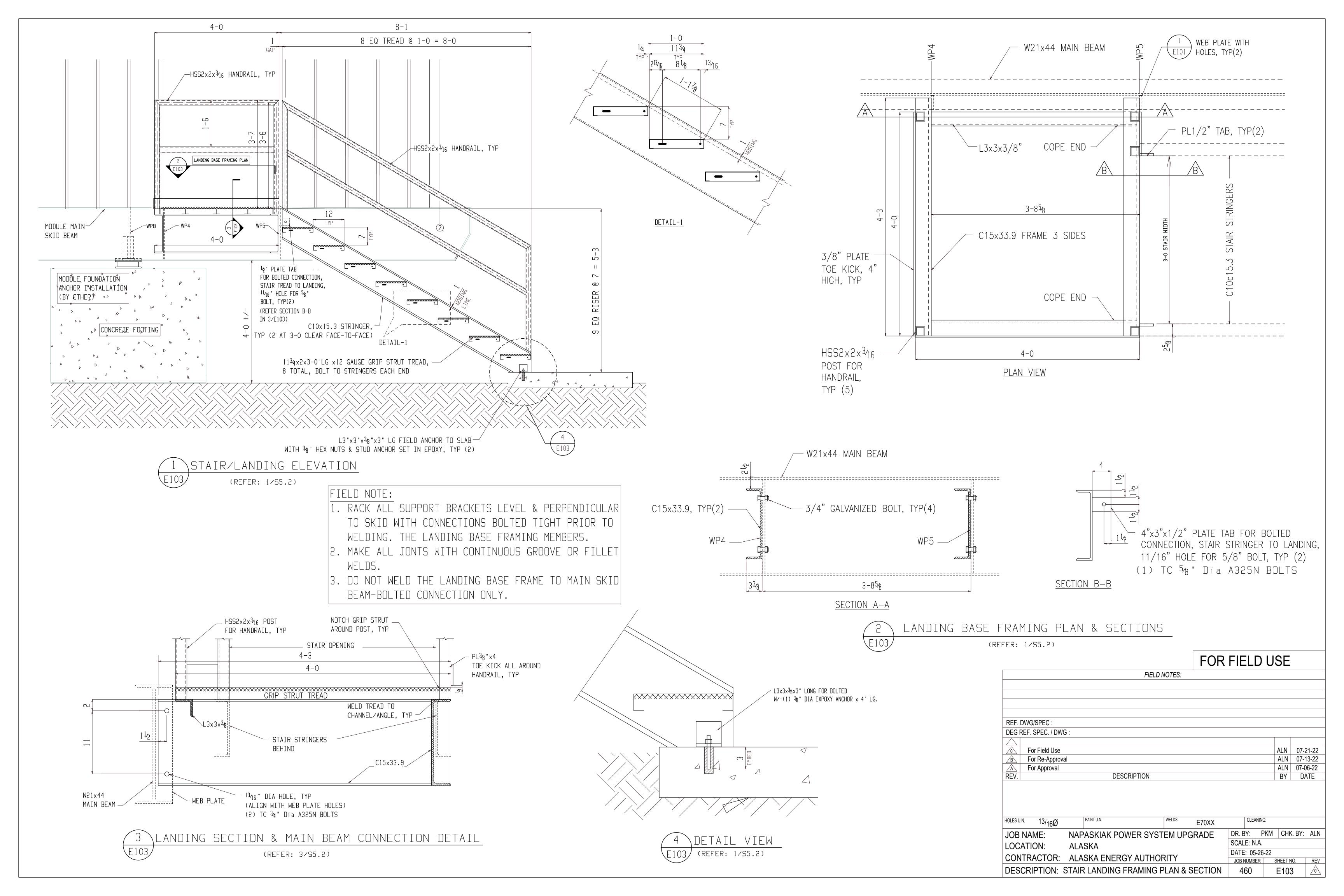


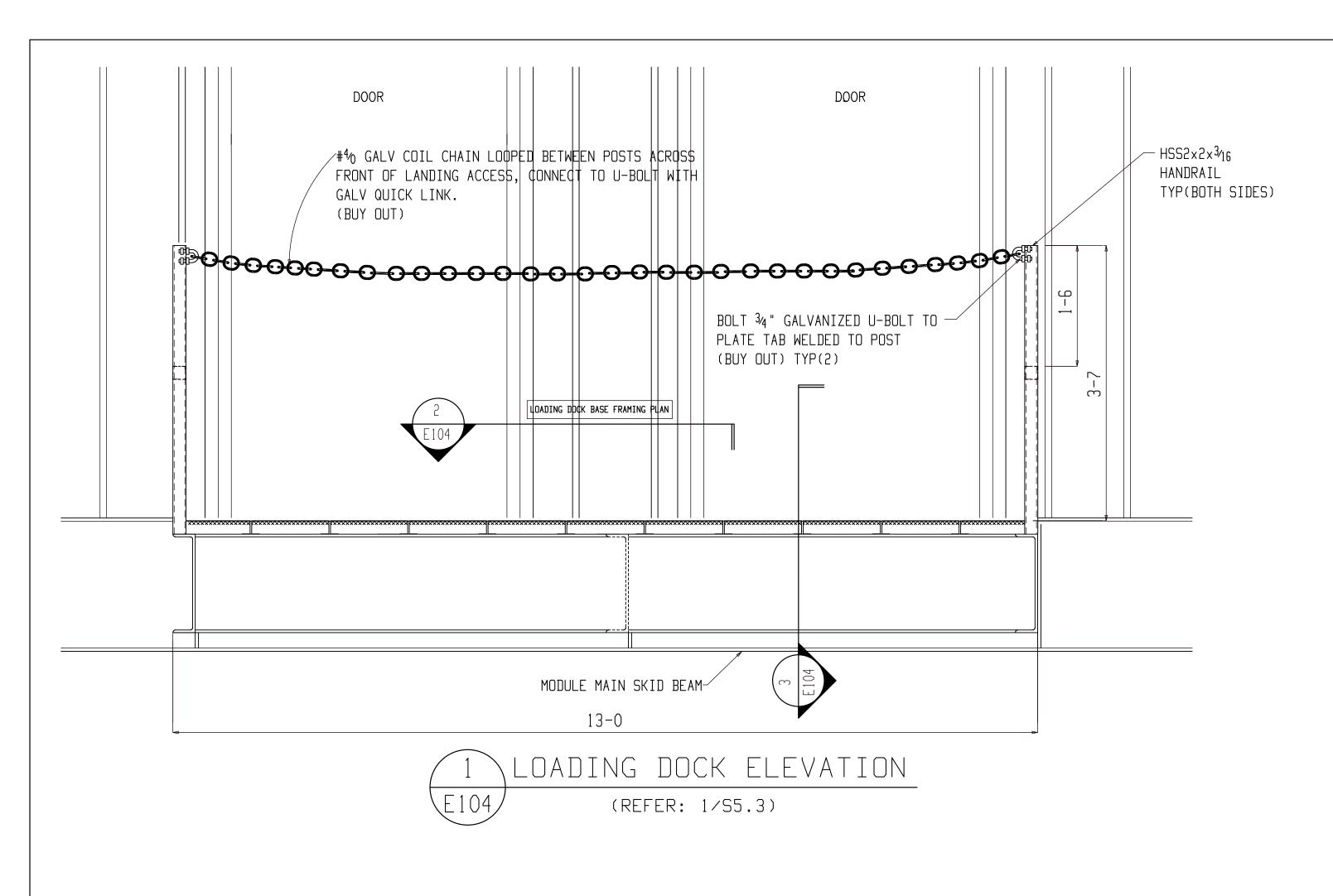


FOR F	IELD (	JSE		
FIELD NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
For Field Use		ALN	07-21-2	
For Re-Approval		ALN	07-13-2	
For Approval		ALN	07-06-2	
REV. DESCRIPTION		BY	DATE	<u>:</u>
HOLES U.N. 13/16Ø PAINT U.N. WELDS: E70XX	CLEANING:			
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DE	R. BY: PKI	M CHK	BY: A	.LN
LOCATION: ALASKA	CALE: N.A.			
CONTRACTOR: ALASKA ENERCY ALITHORITY	ATE: 05-26-2			
CONTRACTOR. ALASKA ENERGI AUTHORITI	OB NUMBER	SHEET N	0. F	REV

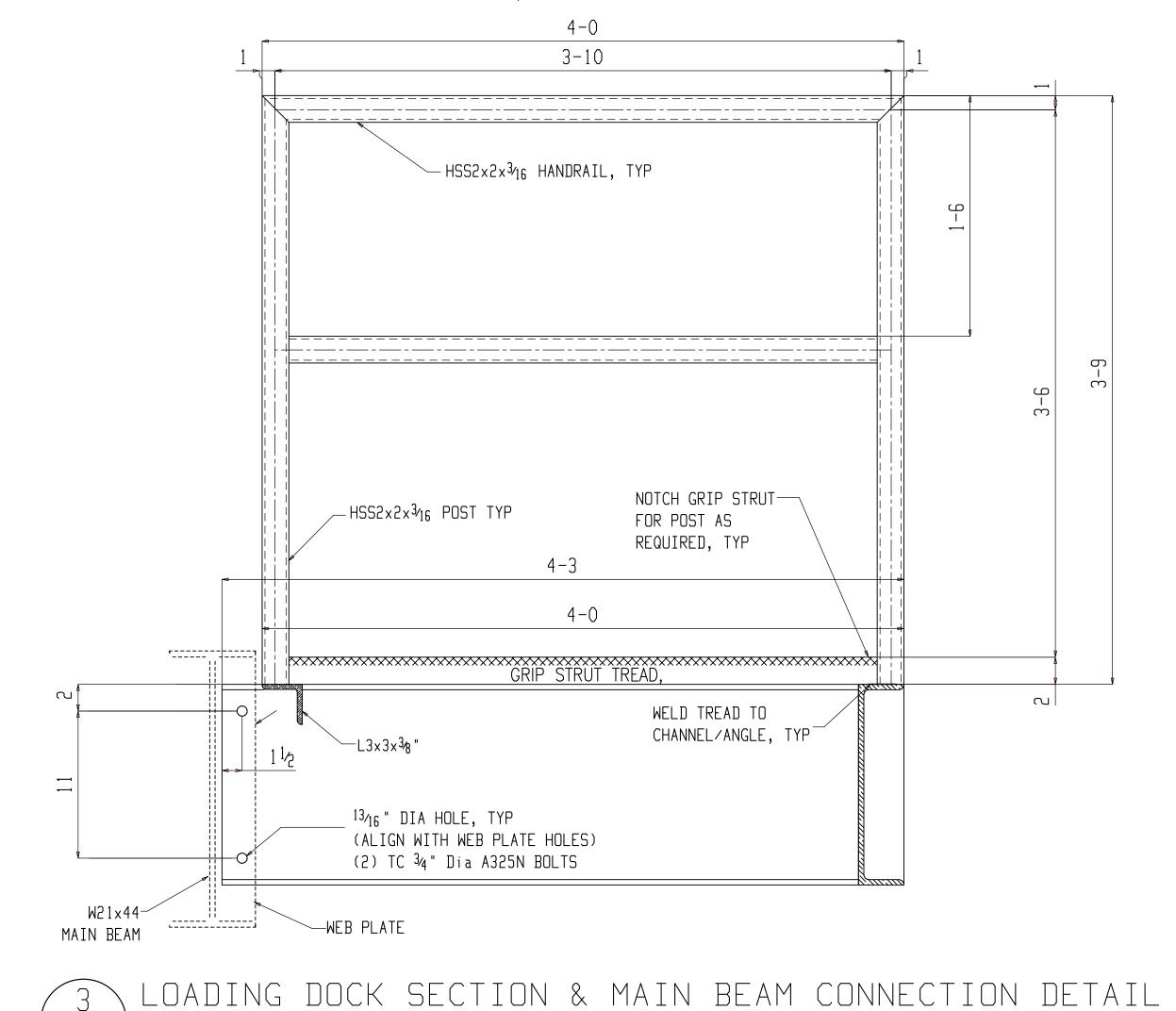
E102

DESCRIPTION: MODULE STRUCTURE SECTION



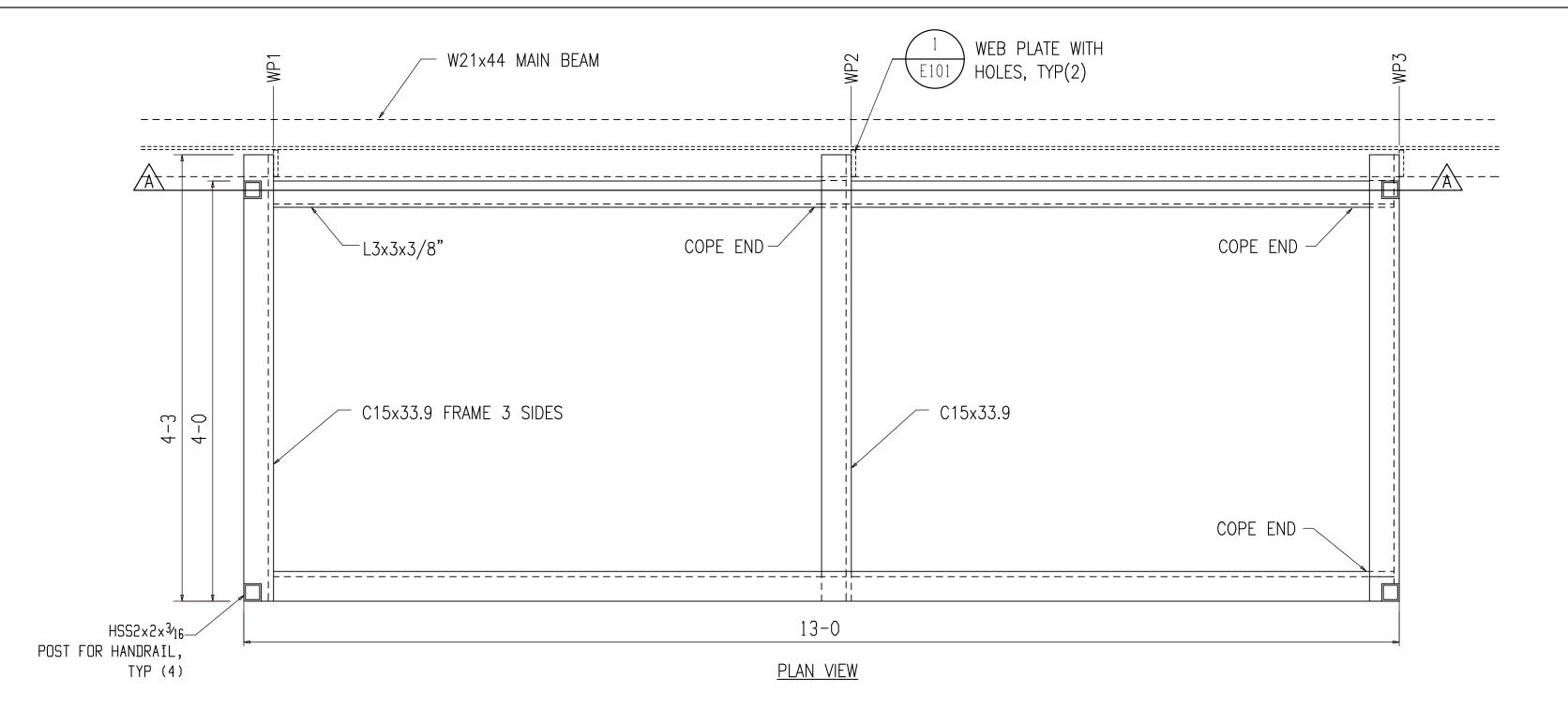


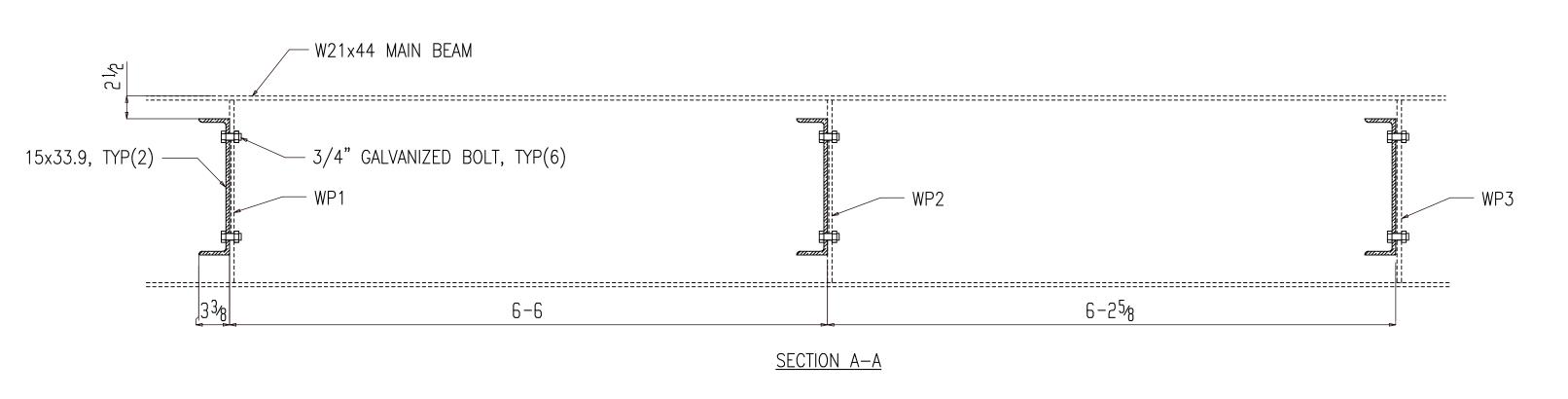
NOTE: INSTALL 13 EACH 11-3/4"x2"x4'-0"LGx12 GAUGE GRIP STRUT TREADS.



(REFER: 3/S5.3)

\E104







# 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.

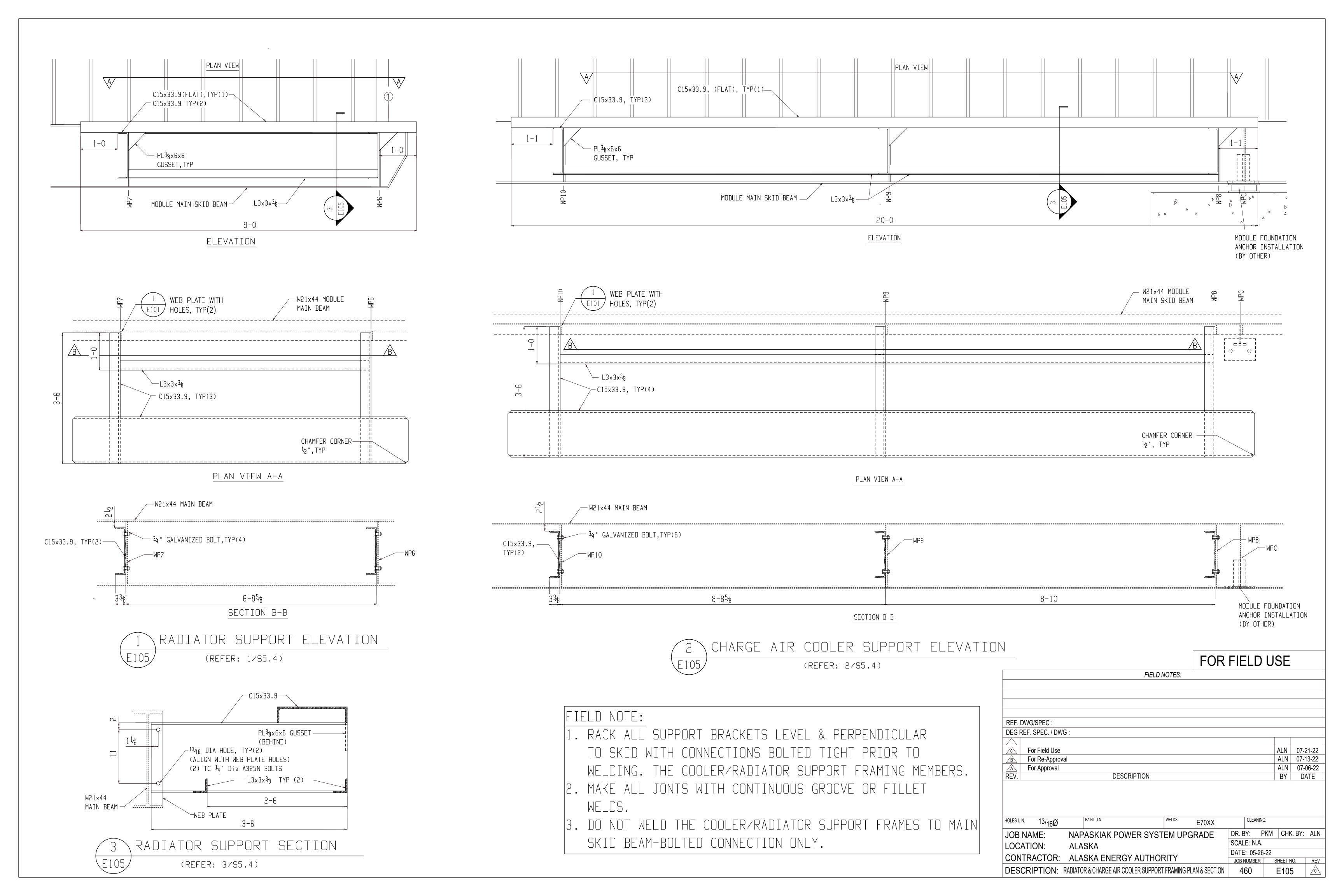
		FIELD NOTES:				
EF. DWG/SPEC :						
G REF. SPEC. /	DWG :					
For Field U For Re-App For Approv					ALN	07-21-22
For Re-App	proval				ALN	07-13-22
For Approv					ALN	07-06-22
EV.	DESCR	RIPTION			BY	DATE
ES U.N. 13/4.01	<b>↑</b> PAINT U.N.	WELDS:	57000	CLEAN	ING·	
LES U.N. 13/169	<i>d</i>   17,1111 6.11.	WELDO.	E70XX	OLLAN		
OB NAME:	NAPASKIAK POW	ER SYSTEM UPO	GRADE	DR. BY:		K. BY: ALN
OCATION:	ALASKA			SCALE: N.A	١.	
		/ ALITUODIT\/		DATE: 05-2	26-22	

CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: LOADING DOCK FRAMING PLAN & SECTION

FOR FIELD USE

JOB NUMBER | SHEET NO. | REV



			MATERIAL				BILL OF MATERIA				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	WEIGH
MARK	MARK				MARK MARK				MARK	MARK			
AS101	D4.04	ONE ASSEMBLY			M148		CORRUGATED PLATE			M221	5 MISC		
	B101	1 BEAM			M149		CORRUGATED PLATE			M222	5 MISC		
	B102	1 BEAM			M150		CORRUGATED PLATE			M223	15 MISC		
	B103 B104	16 BEAM  1 BEAM			M151 M152		CORRUGATED PLATE  CORRUGATED PLATE			M224 M225	4 MISC 4 MISC		
	B104	1 BEAM			M153		CORRUGATED PLATE			M226	16 MISC		
	В105	1 BEAM			M154		CORRUGATED PLATE			M227	4 MISC		
	B107	1 BEAM			M155		CORRUGATED PLATE			M228	4 MISC		
	B108	1 BEAM			M156		CORRUGATED PLATE			M229	4 MISC		
	B100	7 BEAM			M157		CORRUGATED PLATE			M230	4 MISC		
	B110	1 BEAM			M158		CORRUGATED PLATE			M231	4 MISC		
	B111	1 BEAM			M159		CORRUGATED PLATE			M232	16 MISC		
	B112	3 BEAM			M160		CORRUGATED PLATE			M233	4 MISC		
	B113	3 BEAM			M161		CORRUGATED PLATE			M234	4 MISC		
	C101	1 COLUMN			M162		CORRUGATED PLATE			M235	4 MISC		
	C102	5 COLUMN			M163		CORRUGATED PLATE			M236	1 STRUT		
	FR103	1 MISC			M164		CORRUGATED PLATE			M237	1 STRUT		
	FR104	1 MISC			M165		CORRUGATED PLATE			M238	1 STRUT		
	FR105	1 MISC			M166		CORRUGATED PLATE			M239	1 STRUT		
	FR106	1 MISC			M167		CORRUGATED PLATE			M240	1 STRUT		
	FR107	1 MISC			M168		CORRUGATED PLATE			M241	1 STRUT		
	FR108	1 MISC			M169		CORRUGATED PLATE			M242	1 STRUT		
	FR109	1 MISC			M170		CORRUGATED PLATE			M243	1 STRUT		
	FR110	3 MISC			M171		CORRUGATED PLATE			M244	1 STRUT		
	FR111	3 MISC			M172		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	COORUGATED 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		MISC						
	M127	1 MISC			M200		MISC						
	M128	1 MISC			M201	2	MISC						
	M129	3 CORRUGTED PLATE			M202		MISC						
	M130	1 CORRUGATED PLATE			M203		MISC						
	M131	1 CORRUGATED PLATE			M204		MISC						
	M132	1 CORRUGATED PLATE			M205		MISC						
	M133	1 CORRUGATED PLATE			M206		MISC						
	M134	1 MISC			M207		MISC						
	M135	3 MISC			M208		MISC						
	M136	1 CORRUGATED PLATE			M209		MISC						
	M137	1 CORRUGATED PLATE			M210		MISC						
	M138	2 CORRUGATED PLATE			M211		MISC						
	M139	5 CORRUGATED PLATE			M212		MISC						
	M140	1 CORRUGATED PLATE			M213		MISC		+				
	M141	1 CORRUGATED PLATE			M214		MISC						
	M142	1 CORRUGATED PLATE			M215		MISC						
	M143	1 CORRUGATED PLATE			M216		MISC						

5 MISC

15 MISC

10 MISC

10 MISC

2 CORRUGATED PLATE

1 CORRUGATED PLATE

1 CORRUGATED PLATE

2 CORRUGATED PLATE

M144

M145

M146

M147

SHOP NOTE:

- 1. 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.
- 2. 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.
- 3. SANDBLAST EXTERIOR SURFACE TO SSPOC-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.
- 4. 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.
- 5. 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

DATE: 05-26-22

JOB NUMBER SHEET NO. REV

460 AS101A 🙆

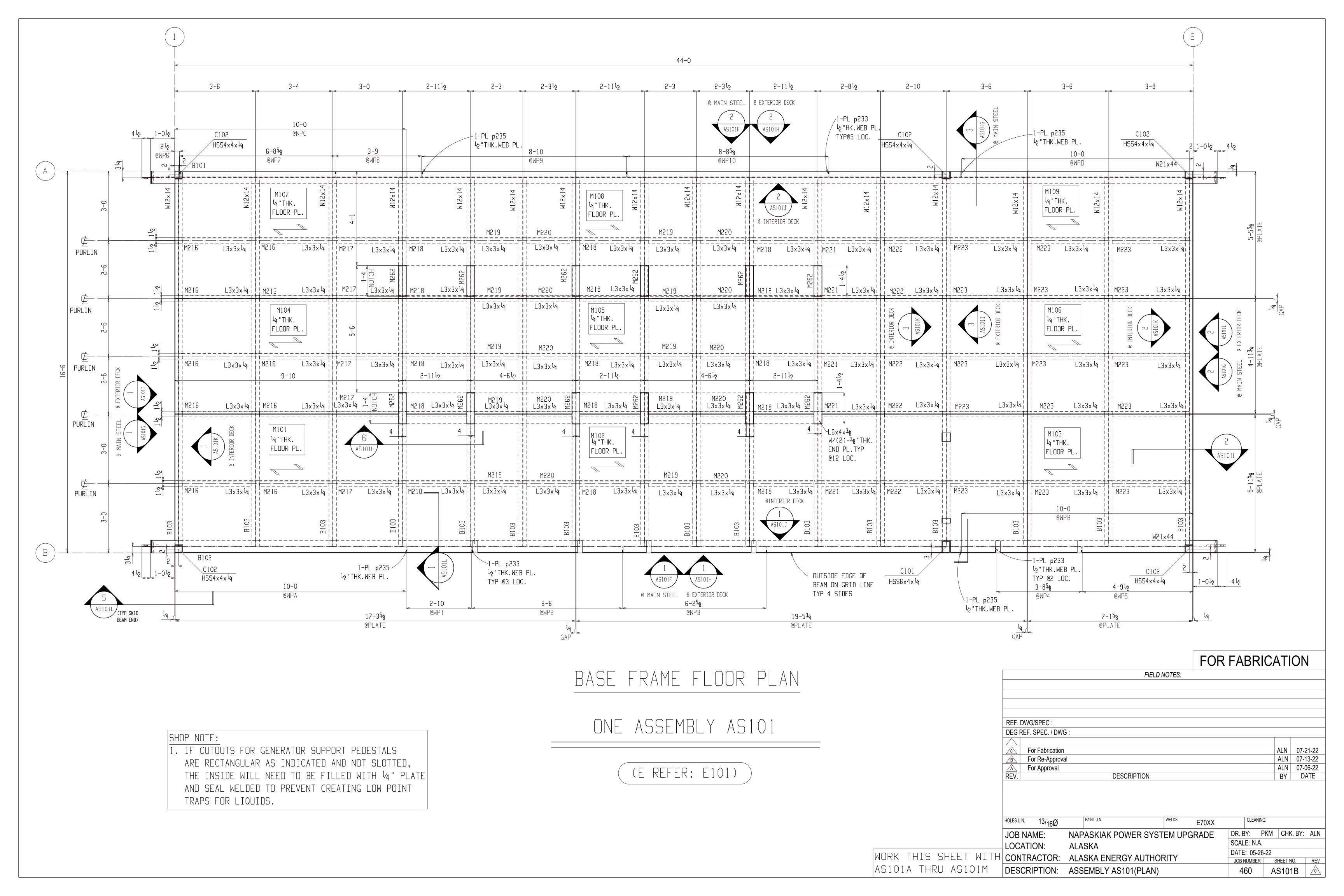
			. •		•••		<b>-</b>
		FIELD NOTES:					
. DWG/SPEC :							
REF. SPEC. / DWO	<b>3</b> :						
For Fabrication					F	ALN	07-21-22
For Re-Approva	al				/	ALN	07-13-22
For Approval							07-06-22
	DESCI	RIPTION				BY	DATE
11N 40	PAINT U.N.	WELDS:		CLEA	NINC:		
U.N. 13/ <sub>16</sub> Ø	FAINT O.N.	WLLDS.	E70XX	- CLEAI	NING.		
B NAME:	NAPASKIAK POV	VER SYSTEM UPO	GRADE	DR. BY:	PKM	CHK.	BY: ALN
ΩΔΤΙΩΝΙ:	ΔΙΔΟΚΔ			SCALE: N.	Α.		

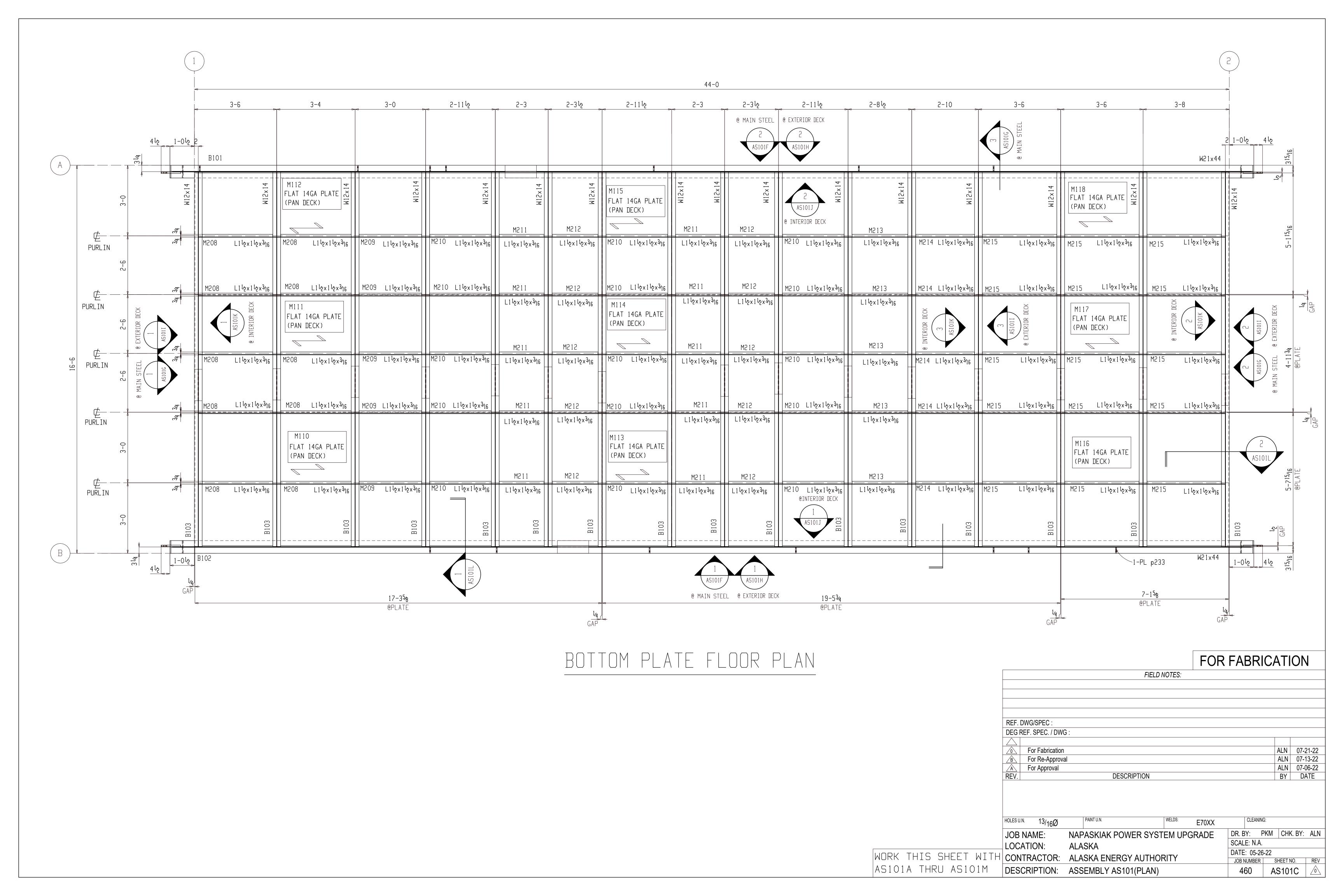
ALASKA

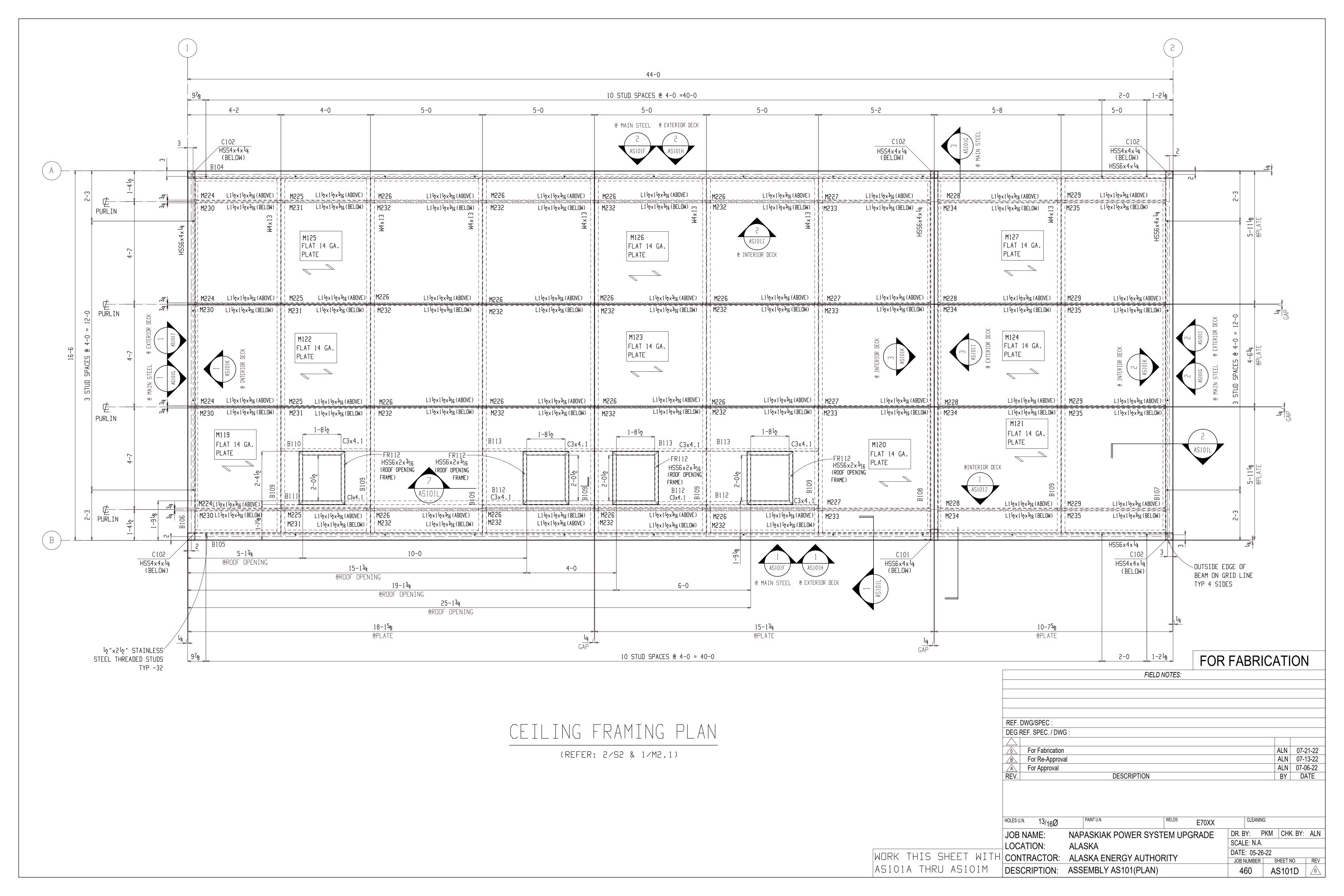
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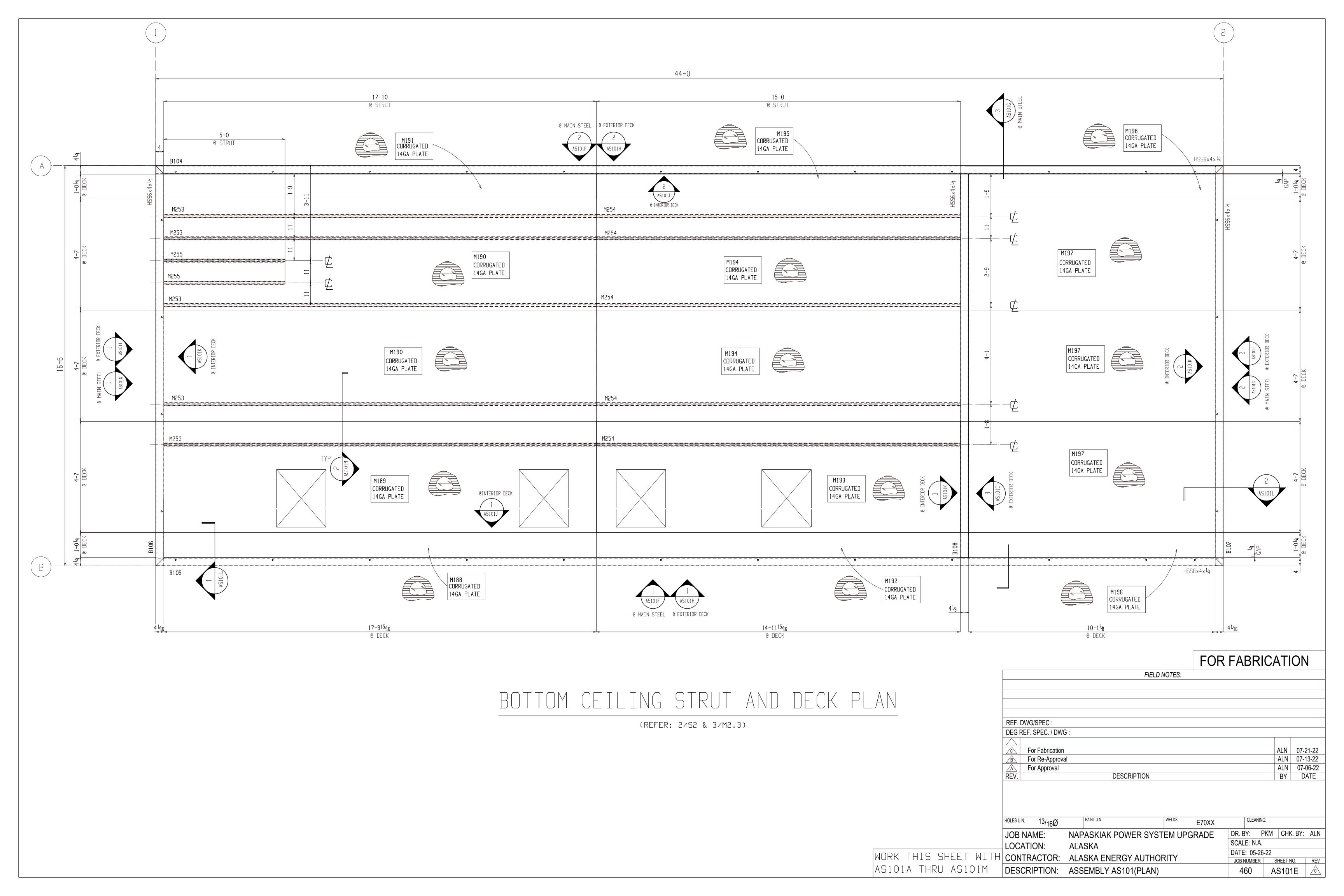
WORK THIS SHEET WITH CONTRACTOR: ALASKA ENERGY AUTHORITY

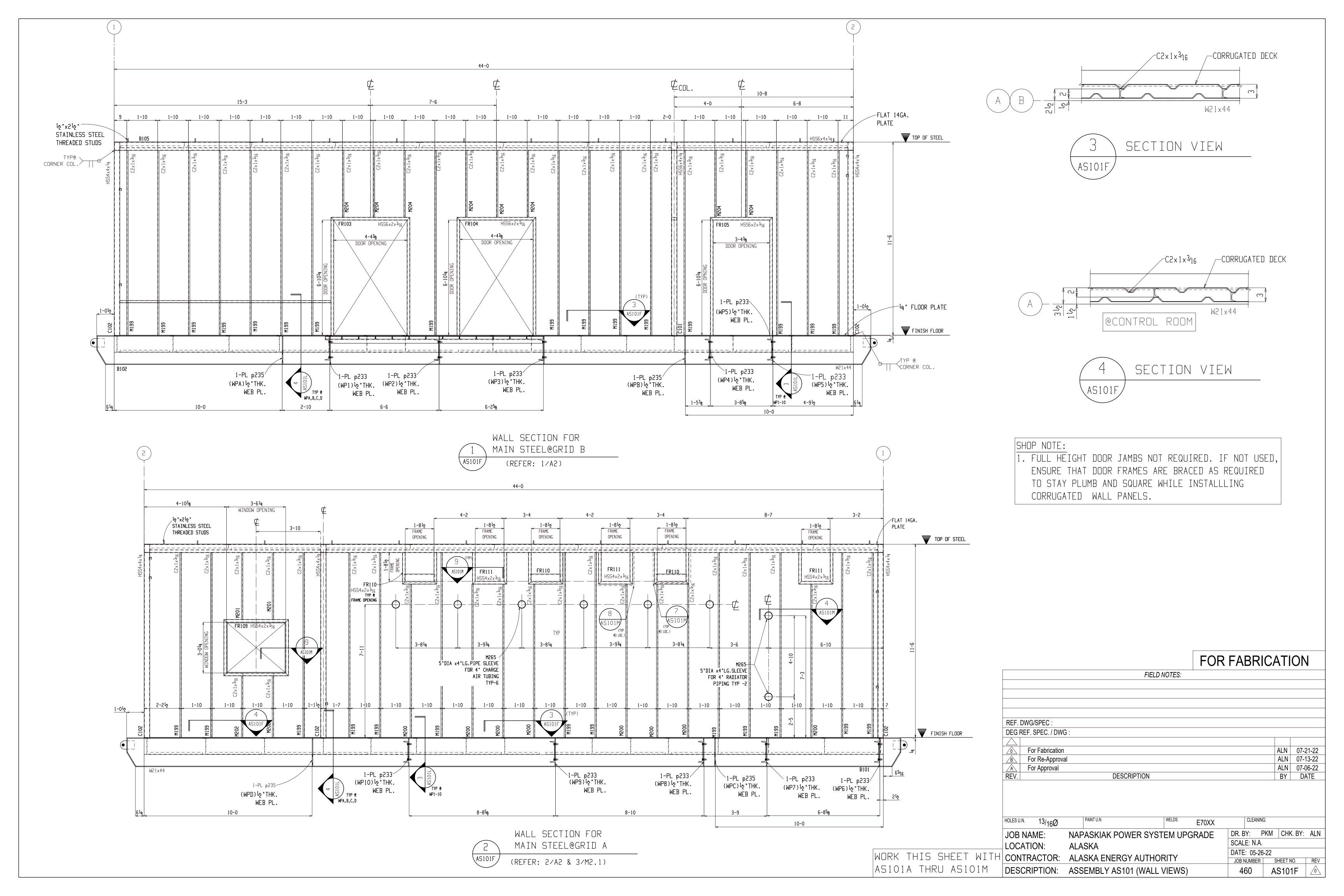
AS101A THRU AS101M

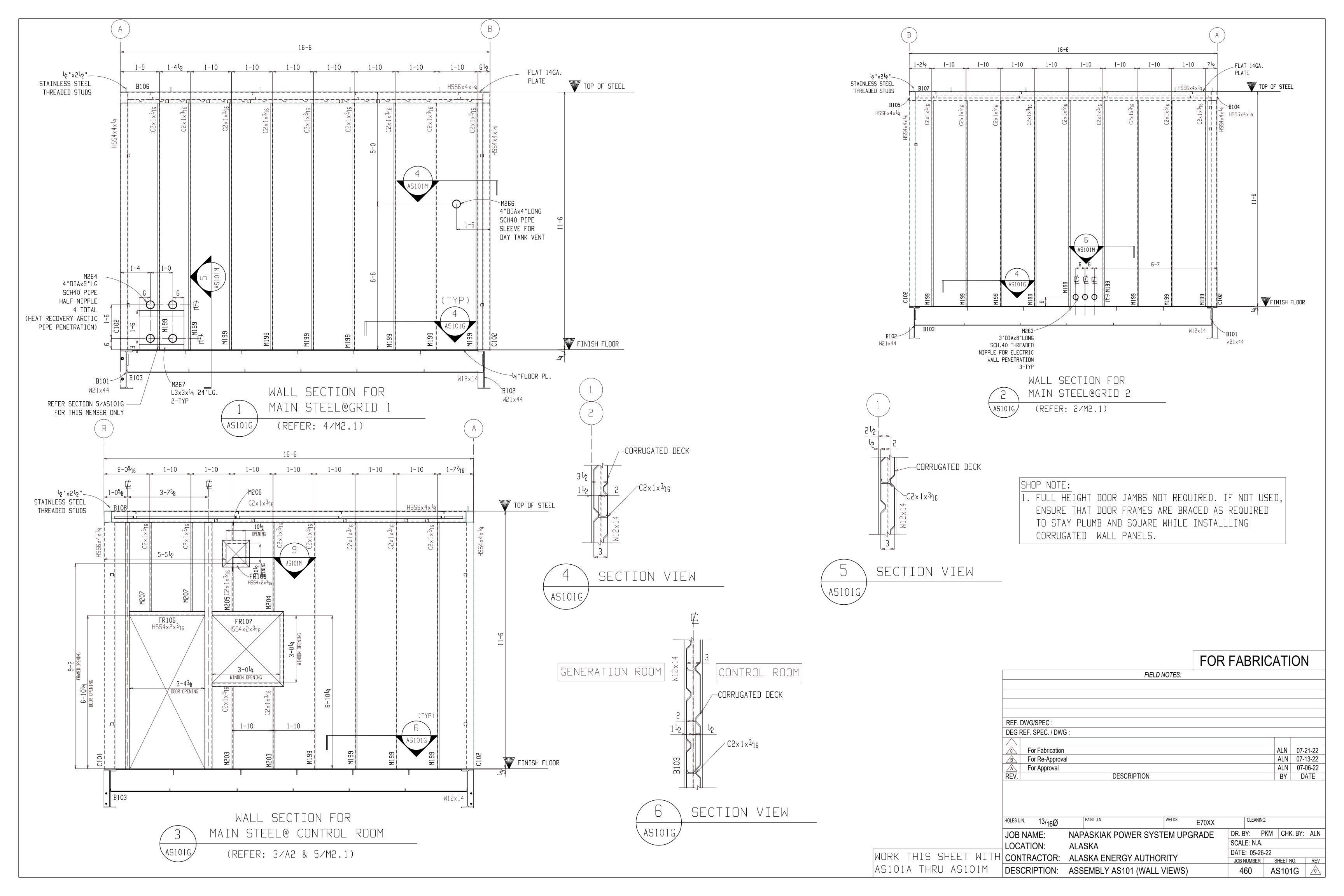


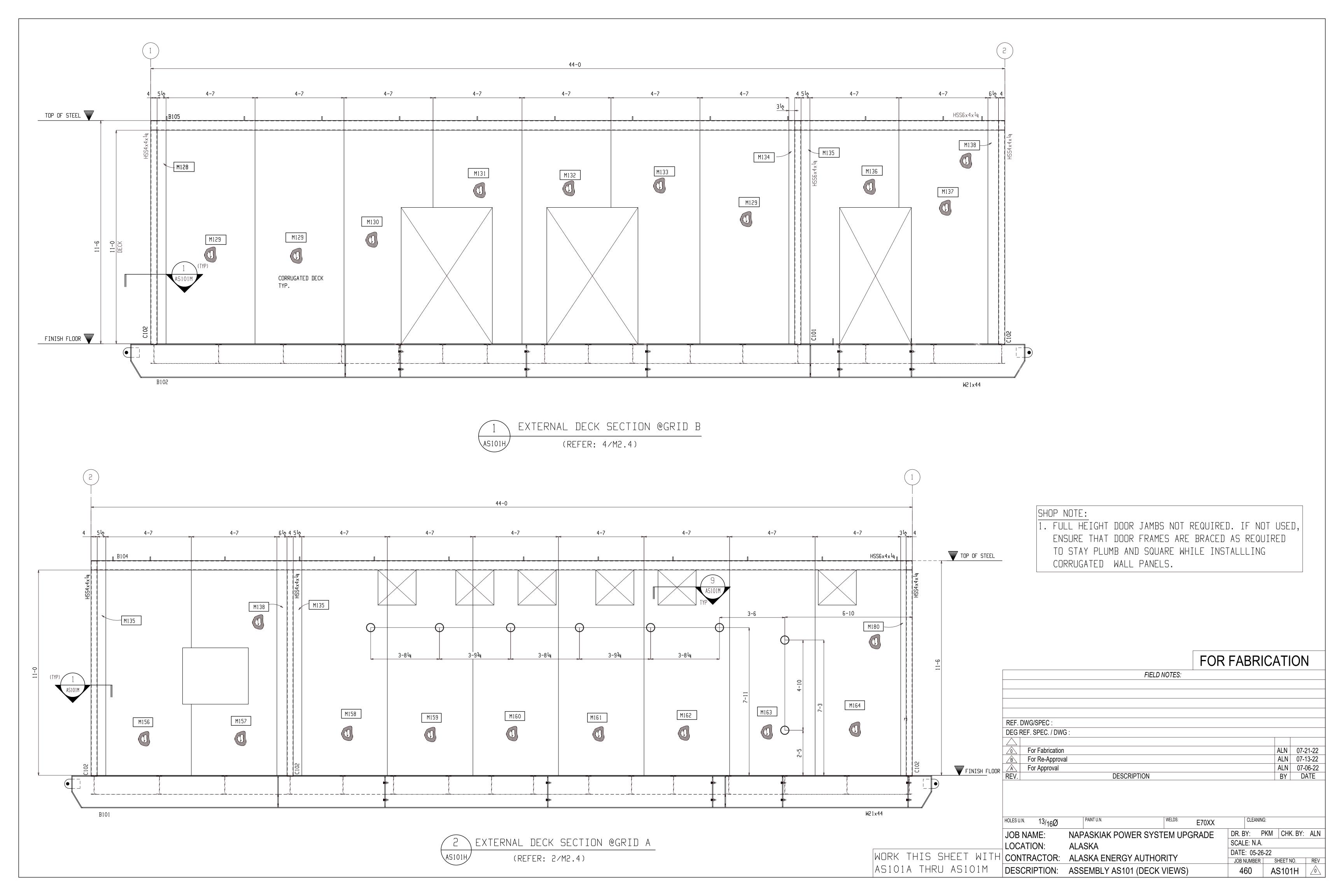


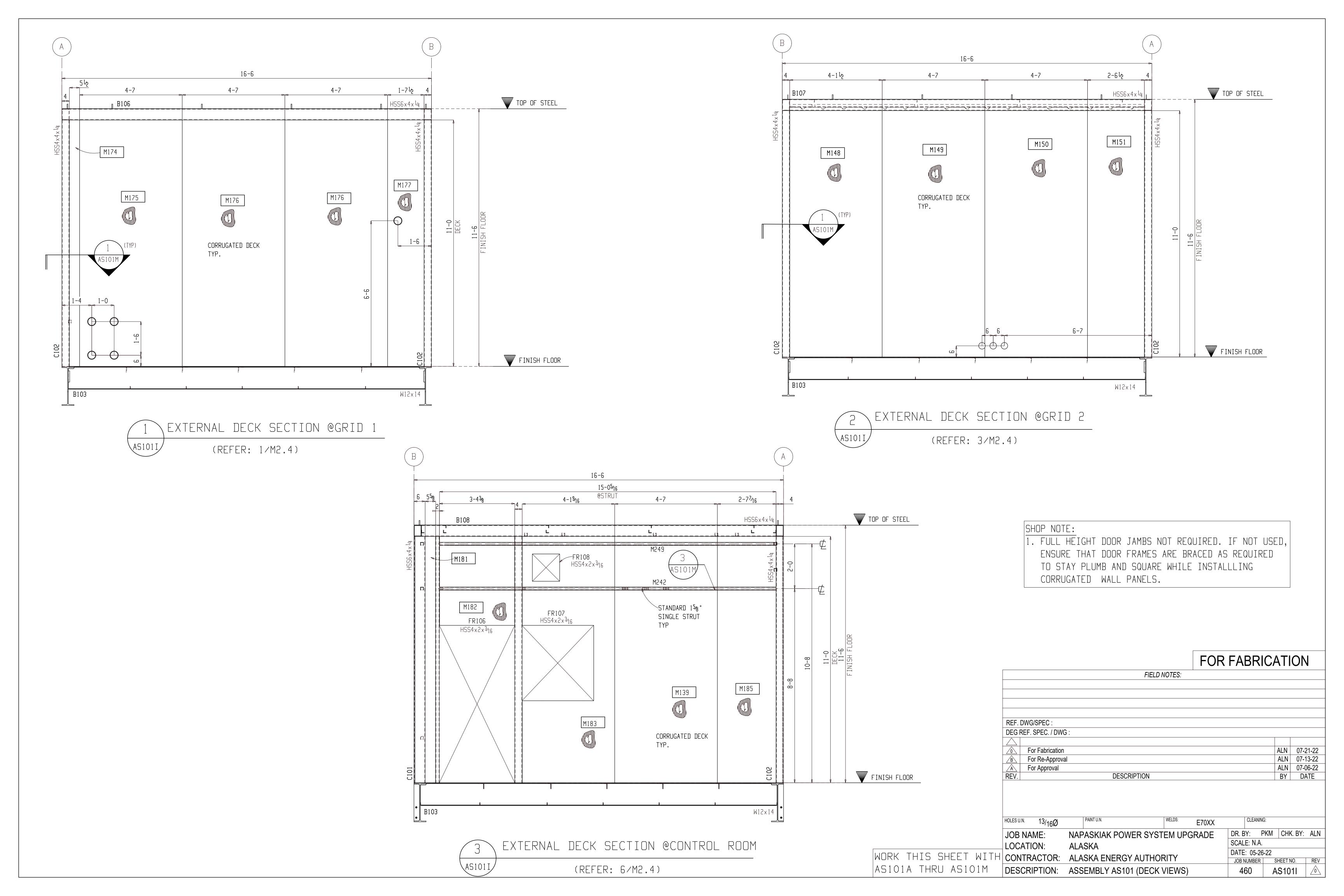


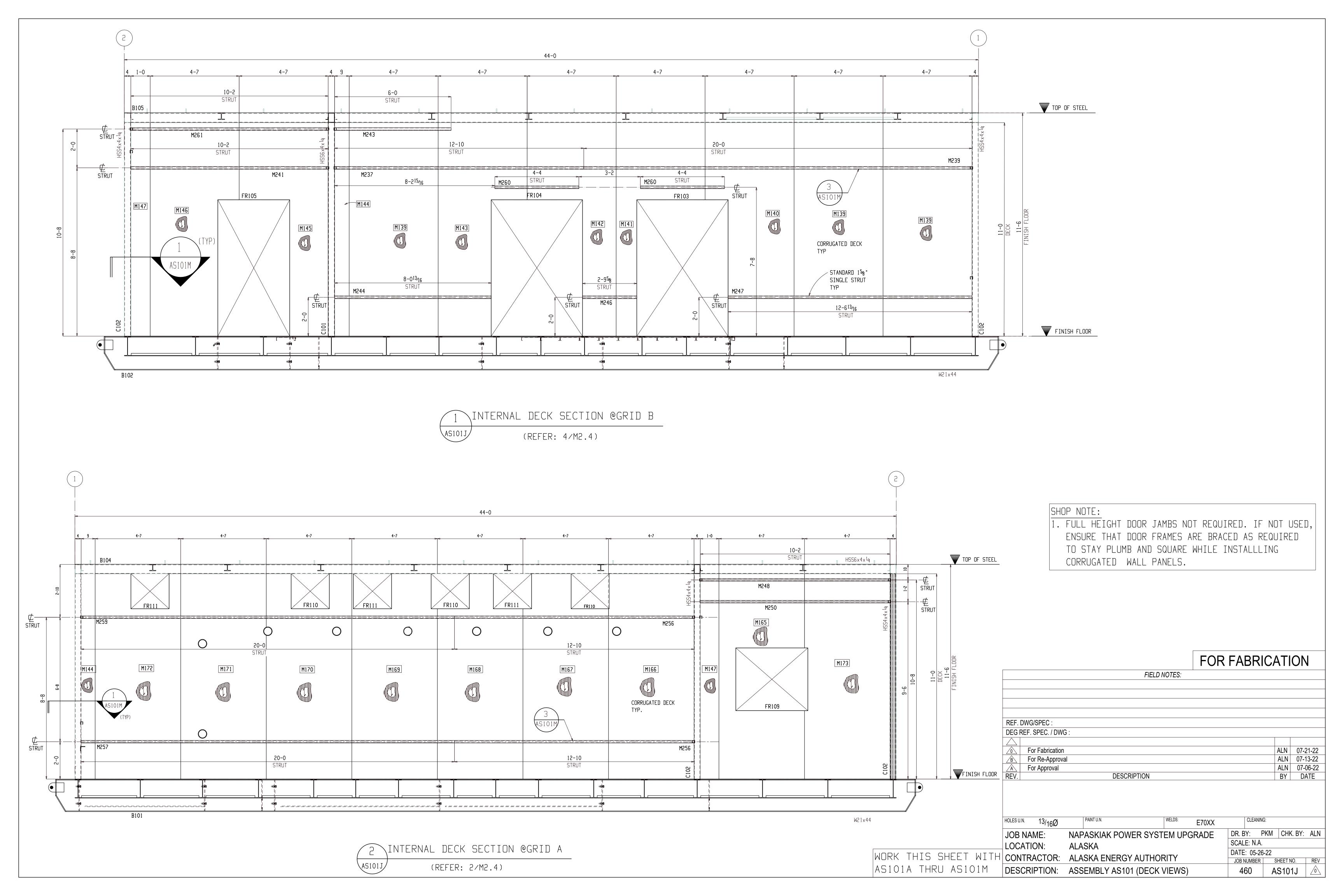


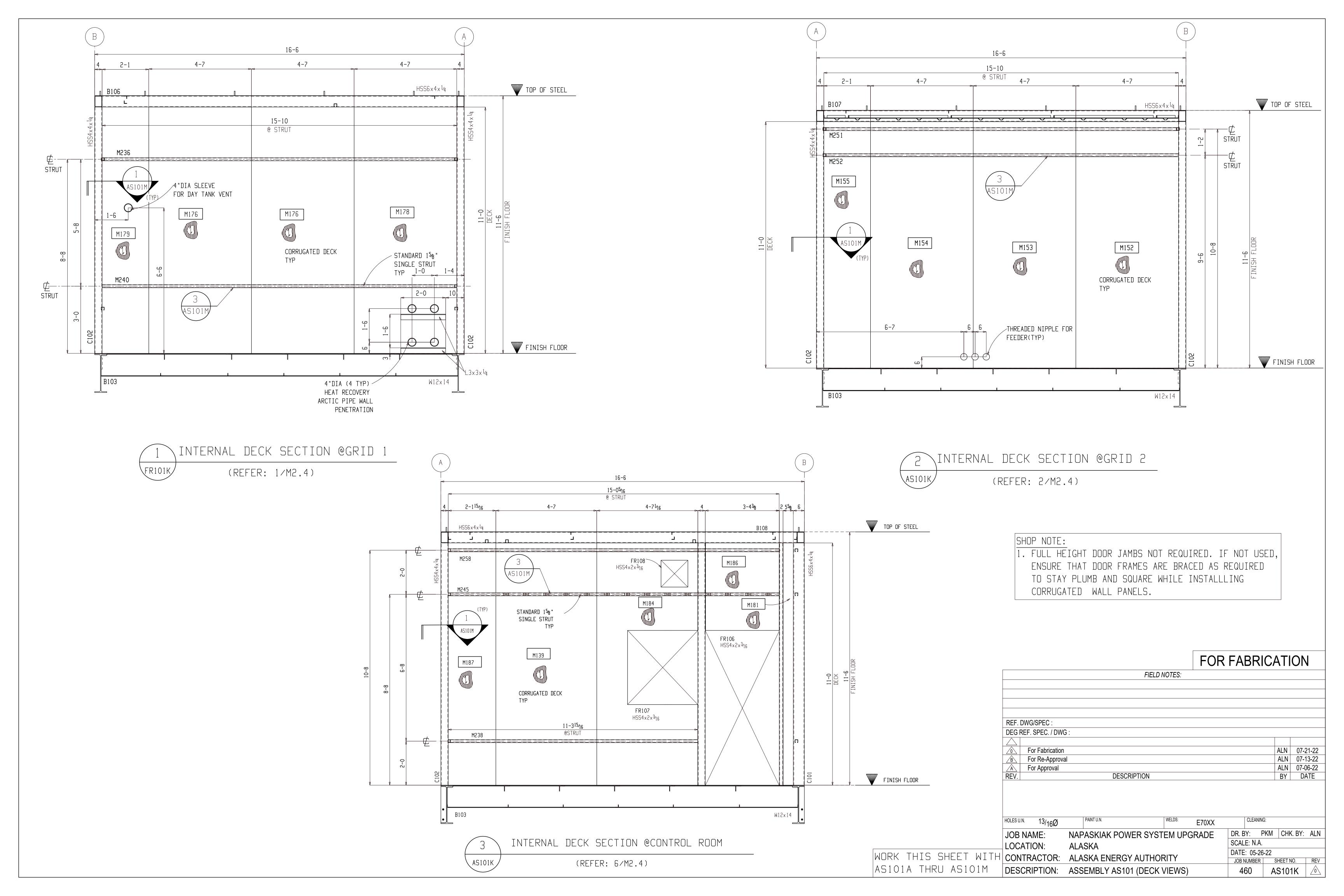


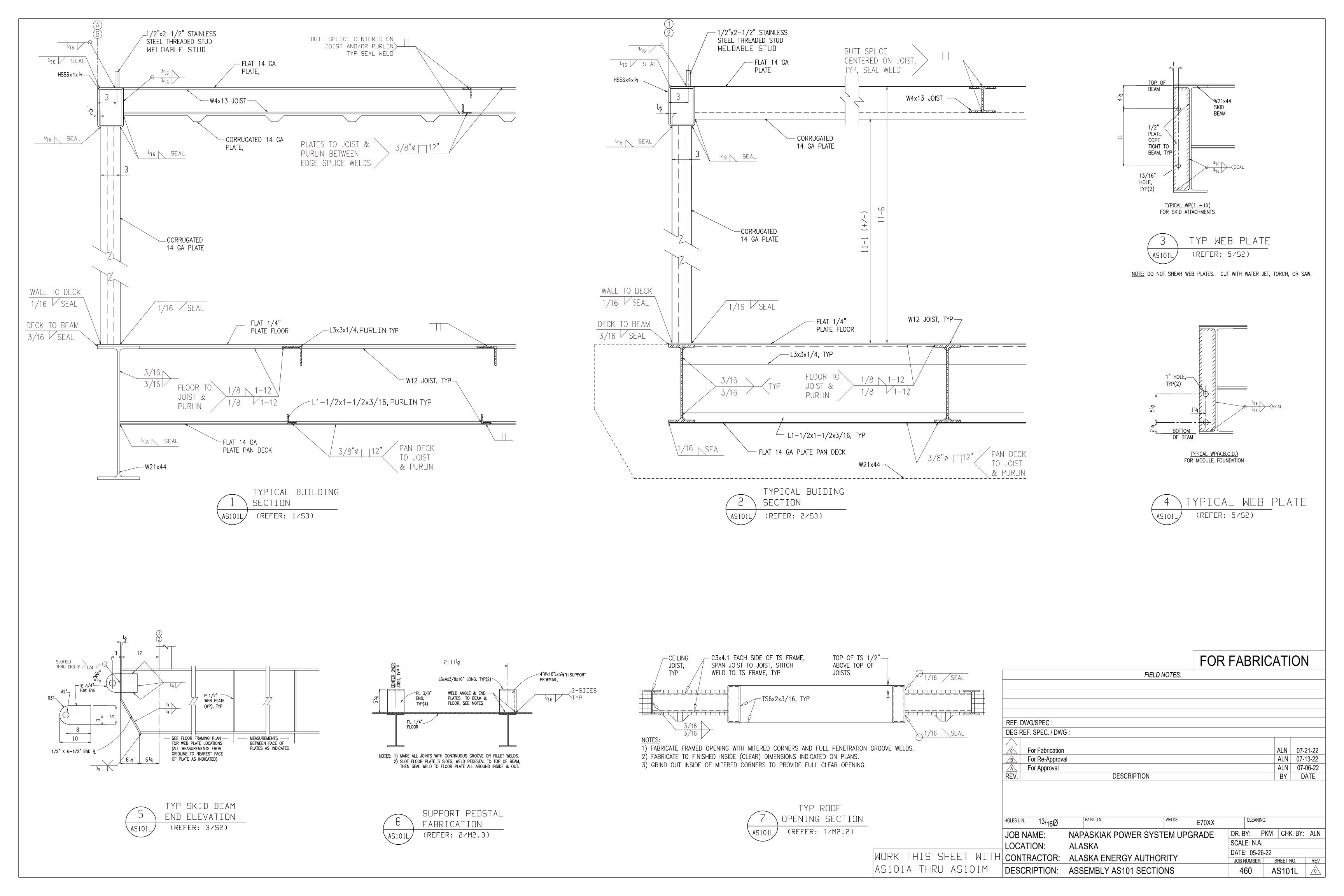


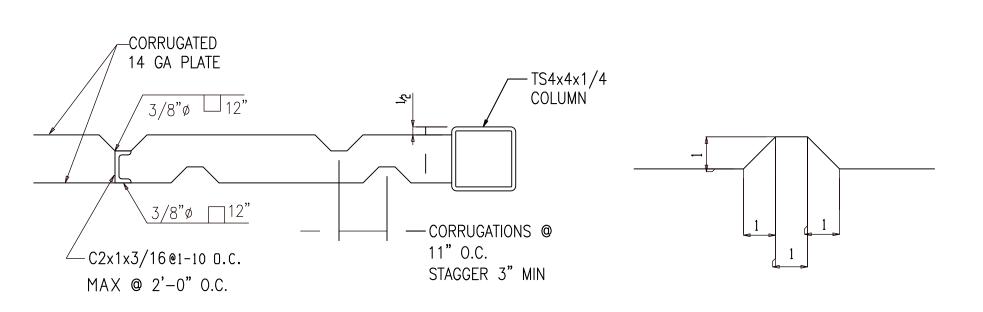




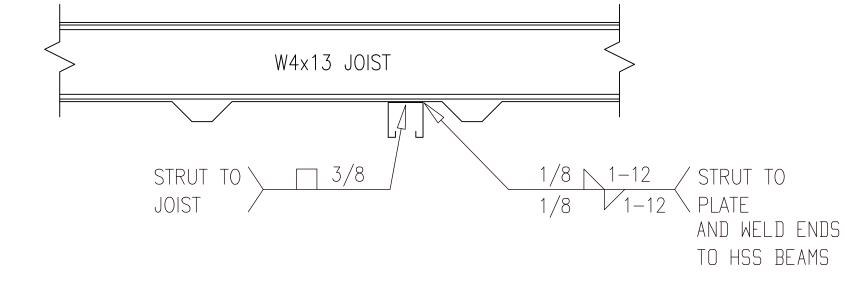




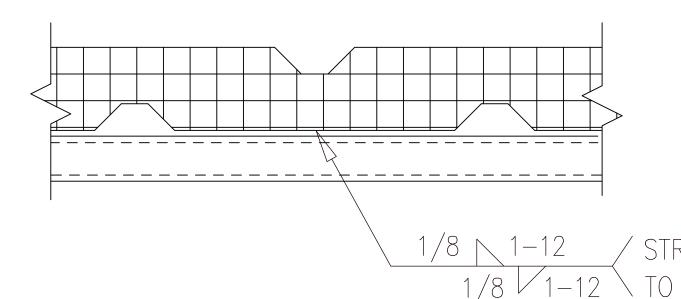




TYPICAL CORRUGATION





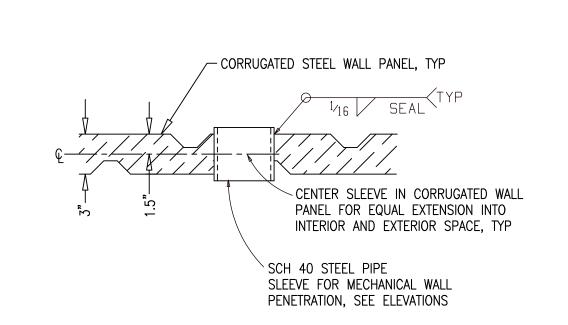


\AS101M\ (REFER: 7/M2.4)

HORIZONTAL WALL STRUT ATTACHMENT

AS101A THRU AS101M

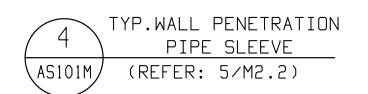


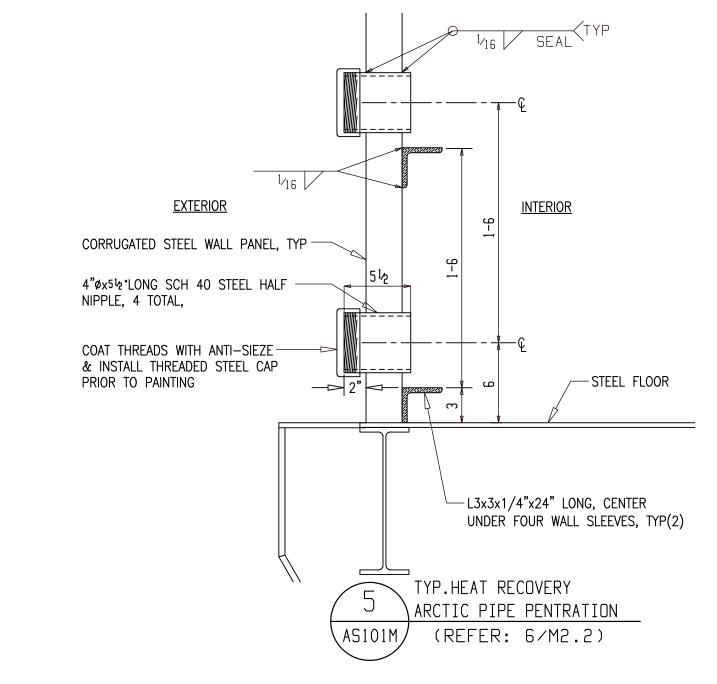


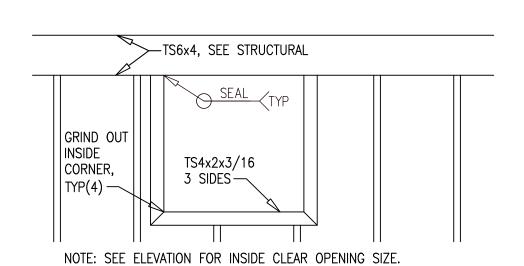
TYP.EXTERIOR

WALL SECTION

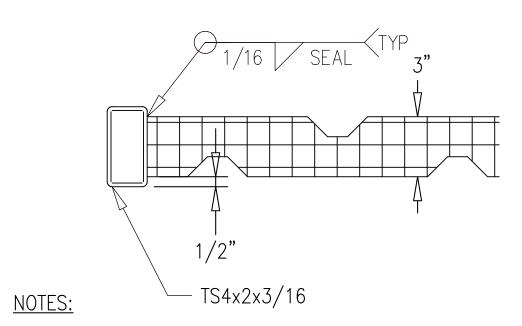
\AS101M\ (REFER: 3,4/S3)



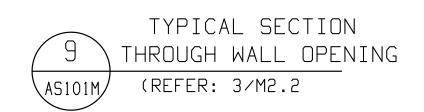


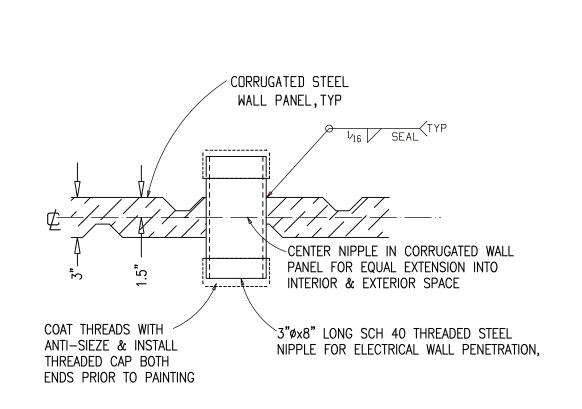


TYP.WALL OPENING SECTION (REFER: 2/M2.2)

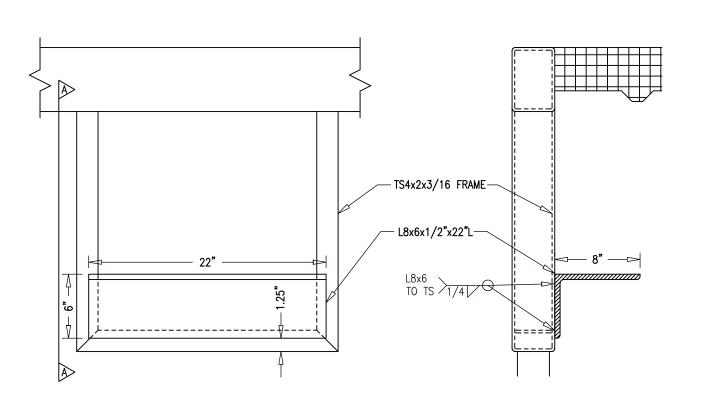


- 1) FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
- 2) FABRICATE TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON ELEVATIONS.
- 3) GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.





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



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

HORIZONTAL WALL STRUT INSTALLATION NOTES:

1) ALL LOCATIONS ARE CENTERLINE OF STRUT ABOVE

2) ALL STRUT SHALL BE 12 GAUGE, 1-5/8" x 1-5/8",

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.

PLAIN (UN-FINISHED BLACK) WITH SOLID BACK,

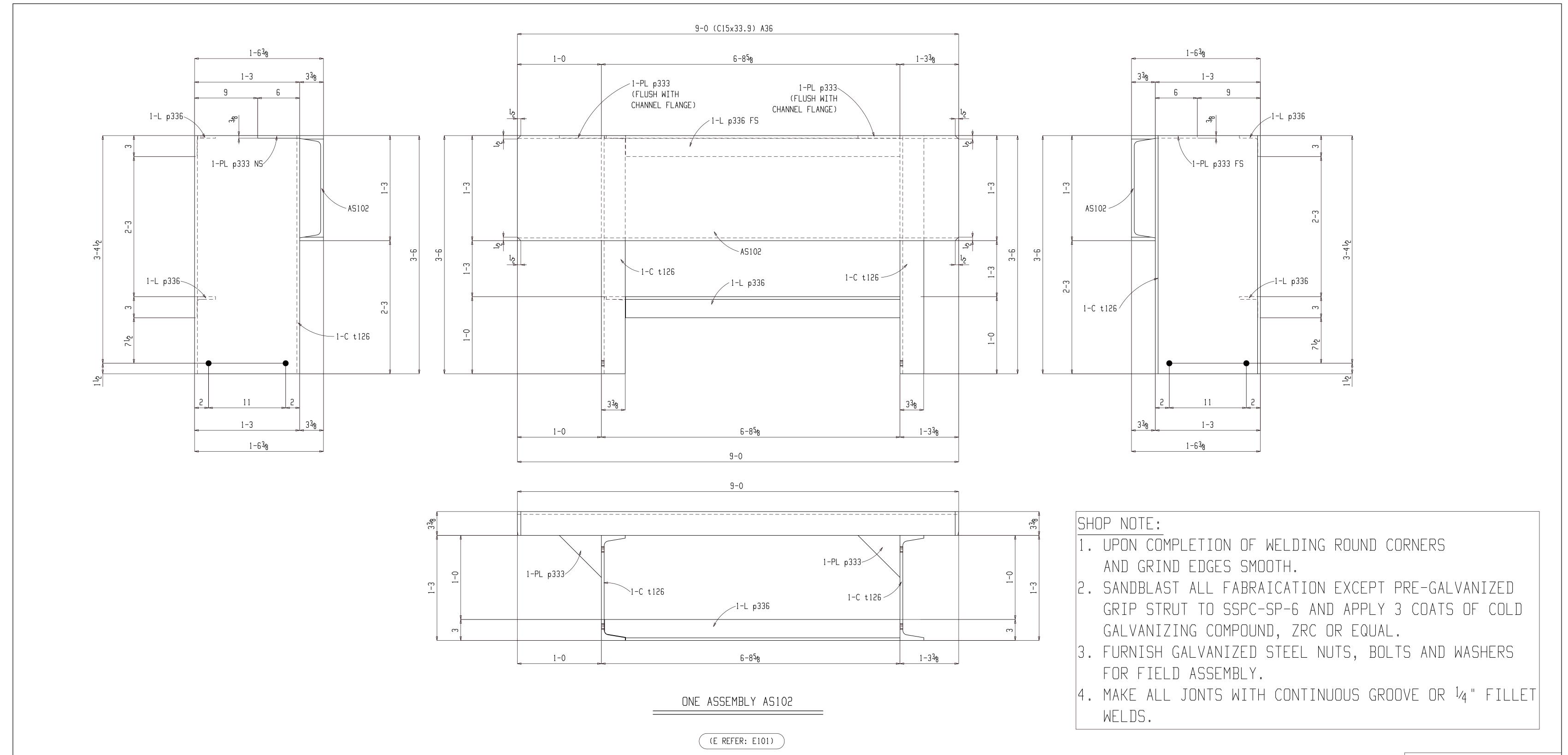
FINISHED FLOOR (AFF).

B-LINE B22-PLN OR EQUAL.

460 AS101M

	FOR	<b>FABRI</b>	CATI	ON
FIELD NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
				<b>0=</b> 0.4 0.4
For Fabrication			ALN	07-21-22
For Re-Approval  A For Approval			ALN ALN	07-13-22 07-06-2
REV. DESCRIPTION			BY	DATE
		0.511110		
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. WELDS:	E70XX	CLEANING	ı.	
JOB NAME: NAPASKIAK POWER SYSTEM U	PGRADE	DR. BY: P	KM CHK	(.BY: AL
LOCATION: ALASKA		SCALE: N.A.		
,		DATE: 05-26-		
IORK THIS SHEET WITH CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	IO. RE

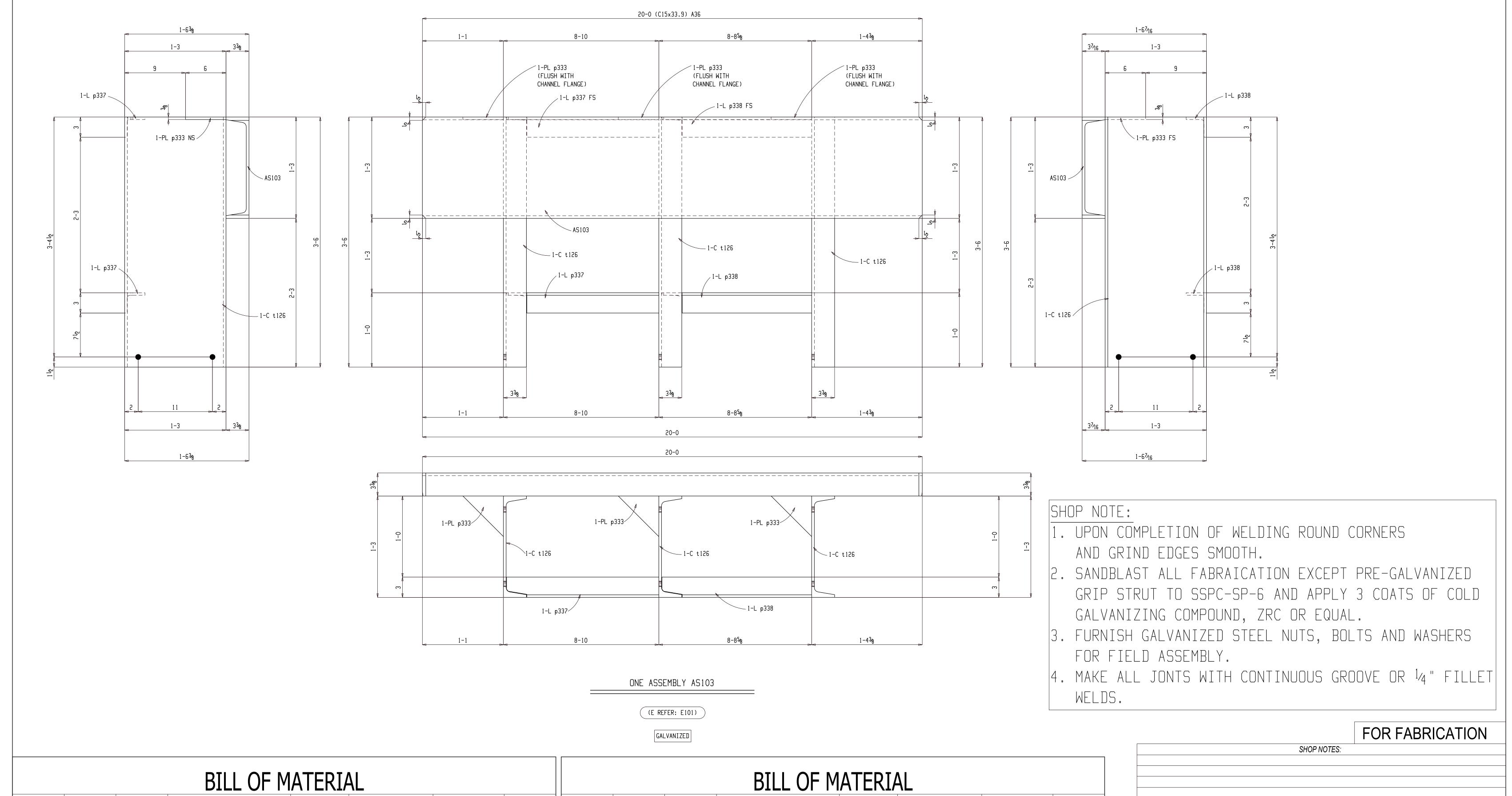
DESCRIPTION: ASSEMBLY AS101 SECTIONS



GALVANIZED

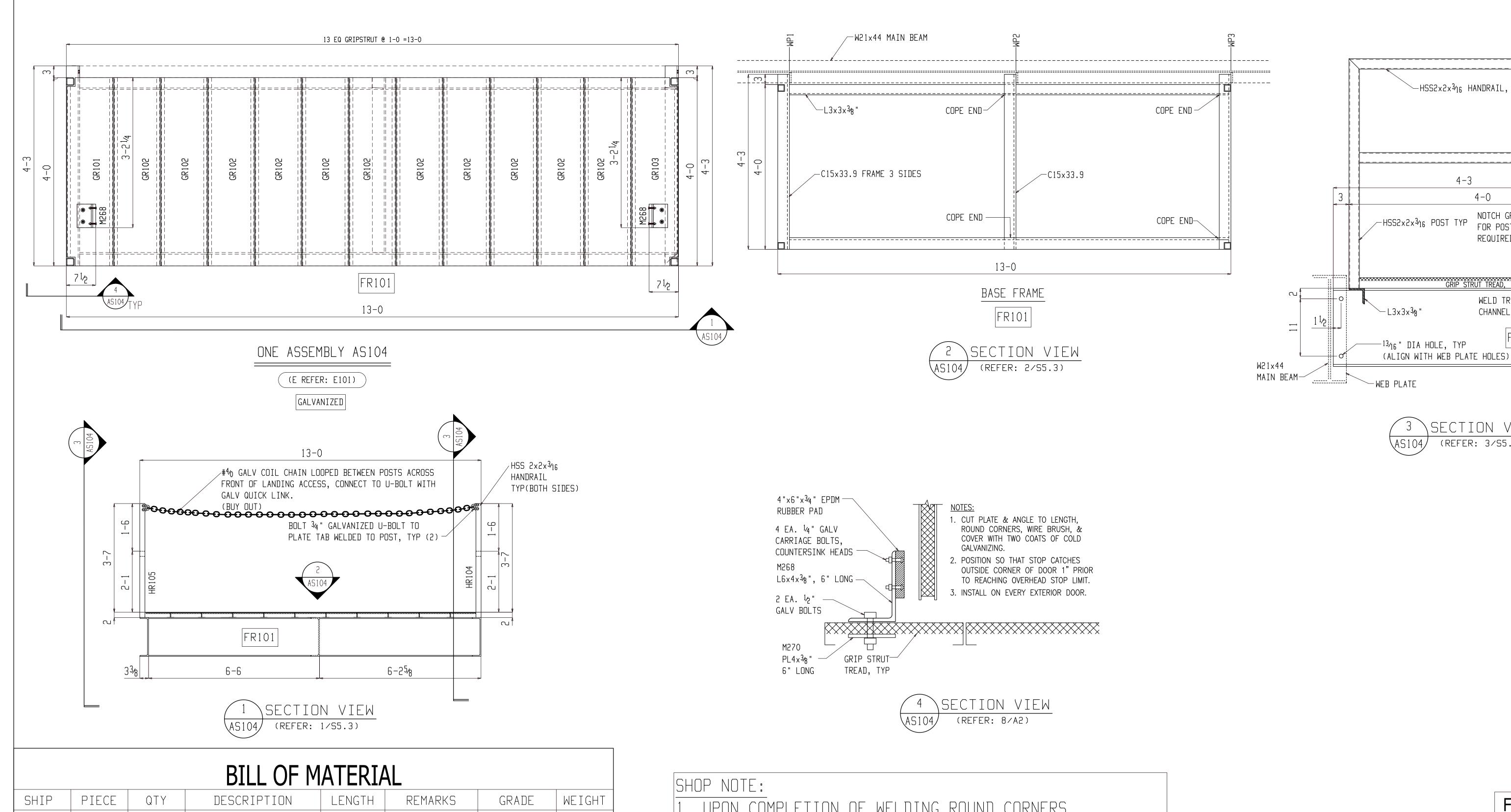
			BILL OF M	1ATERIA	L			BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE W						WEIGHT	
MARK	MARK							MARK MARK								
AS102		ONE	ASSEMBLY		(GALV)		646						GALV			
	AS102	1	C15×33.9	9-0		A36	305									
	p333	2	PL <sup>3</sup> /8×6	6		A36	8									
	p336	2	L3×3× <sup>3</sup> / <sub>8</sub>	6-83/16		A36	96									
	t126	2	C15×33.9	3-6		A36	237									
			FIELD BOLTS													
		4	TC <sup>3</sup> / <sub>4</sub> Dia A325N	2 -	+1HD WASH											

					FOR	RFAE	3RI	CATI	ON
			SHOP I	VOTES:					
REF. D	WG/SPEC :								
DEG R	EF. SPEC. / DWO	<del></del>							
0	For Fabrication							ALN	07-21-22
B	For Re-Approva	al						ALN	07-13-22
A	For Approval		DESCRIPTION					ALN	07-06-22
REV.			DESCRIPTION					BY	DATE
HOLES U.N	<sup>I.</sup> 13/ <sub>16</sub> Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX		CLEANING	SSPC	:-SP6
	NAME:	NAPASKIA	K POWER SYST	EM UP	GRADE	DR. B	Υ: P	KM CH	K. BY: ALN
JOB I						SCALE	E: N.A.		
	ATION:	ALASKA							
LOCA	ATION:	ALASKA ALASKA FI	VIEBUV VIITHUI	⊋ITV			05-26-		
LOCA			NERGY AUTHOR	RITY		DATE: JOB NU	IMBER	22 SHEET N AS10	



	BILL OF MATERIAL										BILL OF	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
AS103		ONE	ASSEMBLY		(GALV)		1297			6	TC 3/4 Dia A325N	2	+1HD WASH		
	AS103	1	C15x33.9	20-0		A36	678						GALV		
	p333	3	PL <sup>3</sup> /8×6	6		A36	1 1								
	p338	2	L3×3× <sup>3</sup> ⁄8	8-83/16		A36	125								
	p337	2	L3×3× <sup>3</sup> ⁄8	8-99/16		A36	127								
	t 126	3	C15×33.9	3-6		A36	356								
			FIELD BOLTS												

					FOR	<b>FABRI</b>	CATI	ON
			SHOP	NOTES:				
RFF Γ	DWG/SPEC :							
	REF. SPEC. / DWG	 }:						
<u> </u>	For Fabrication						ALN	07-21-22
B	For Re-Approva	<u>ıl</u>					ALN	07-13-22
Â	For Approval						ALN	07-06-22
REV.			DESCRIPTION				BY	DATE
	N 121 ~	PAINT U.N.	0411/4111755	WELDS:			<u>.</u>	
HOLES U.N	''· 13/16 <b>(</b> 2)		GALVANIZED	WELDO.	E70XX	CLEANING	" SSPC	-SP6
	10/160	ΝΔΡΔΩΚΙΔΙ					3376	
JOB	NAME:		K POWER SYS				3376	
JOB LOC <i>I</i>	NAME: ATION:	ALASKA	K POWER SYS	_ TEM UP		DR. BY: F	KM CHK	
LOCA	NAME:	ALASKA		_ TEM UP		DR. BY: F	KM CHK	K. BY: ALN



MARK

AS104

MARK

FR101

HR104

HR105

GR101

GR102

GR103

M268

M270

ONE ASSEMBLY

1 FRAME

HANDRAIL

1 HANDRAIL

1 GRIPSTRUTS

1 GRIPSTRUTS

2 EXTERIOR DOOR

BOTTOM STOP

1 GALV COIL CHAIN

2 MISC

11 GRIPSTRUTS

(GALV)

(BUY OUT)

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

# FOR FABRICATION

			SHOP	VO1ES:						
REF.	DWG/SPEC :									
	REF. SPEC. / DWG	 i:								
<u> </u>	For Fabrication							ALN	07-2	21-22
B	For Re-Approva							ALN	07-1	3-22
Â	For Approval							ALN	07-0	6-22
REV.			DESCRIPTION					BY	DA	\TE
HOLES U	.N. 13/ <sub>16</sub> Ø	PAINT U.N.	GALVANIZED	WELDS:	E70XX	CLE	EANING:	SSPC-	-SP6	
JOB	NAME:	NAPASKIAK	POWER SYST	EM UPO	RADE	DR. BY:	PKM	CHK	. BY:	ALN
	ATION:	ALASKA				SCALE:	N.A.			
						DATE: 0	5-26-22			
CON	ITRACTOR:	ALASKA EN	IERGY AUTHOR	KIIY		JOB NUME	BER :	SHEET N	0.	REV
DFS	CRIPTION:	<b>ASSEMBLY</b>	AS104			460		<b>4S10</b>	4	<u></u>

-HSS2x2x<sup>3</sup>/<sub>16</sub> HANDRAIL, TYP

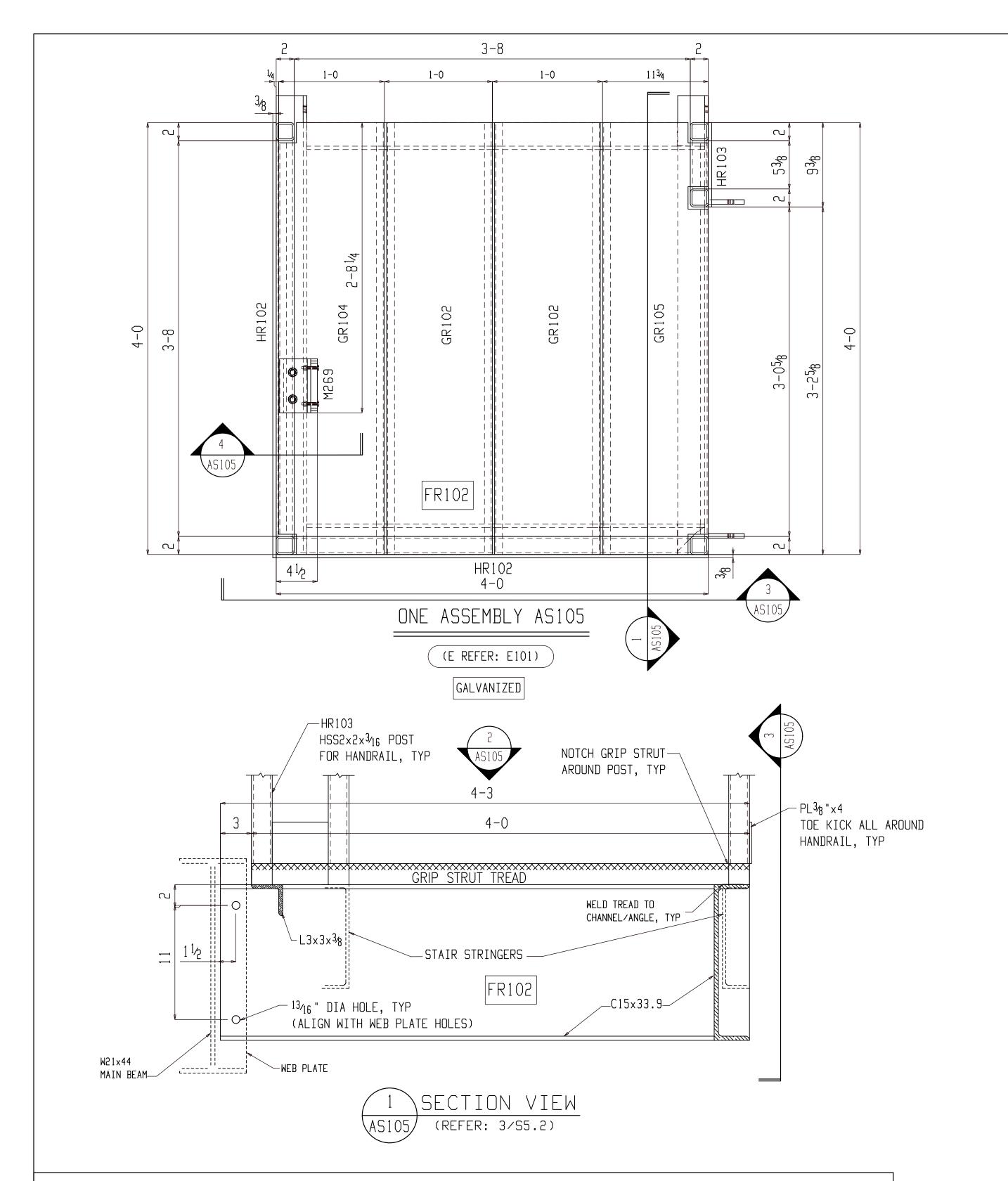
<u>^^ĜŔĨP^ŜŤŔŨŤ^ŤŔĔÂĎ,</u>

NOTCH GRIP STRUT-

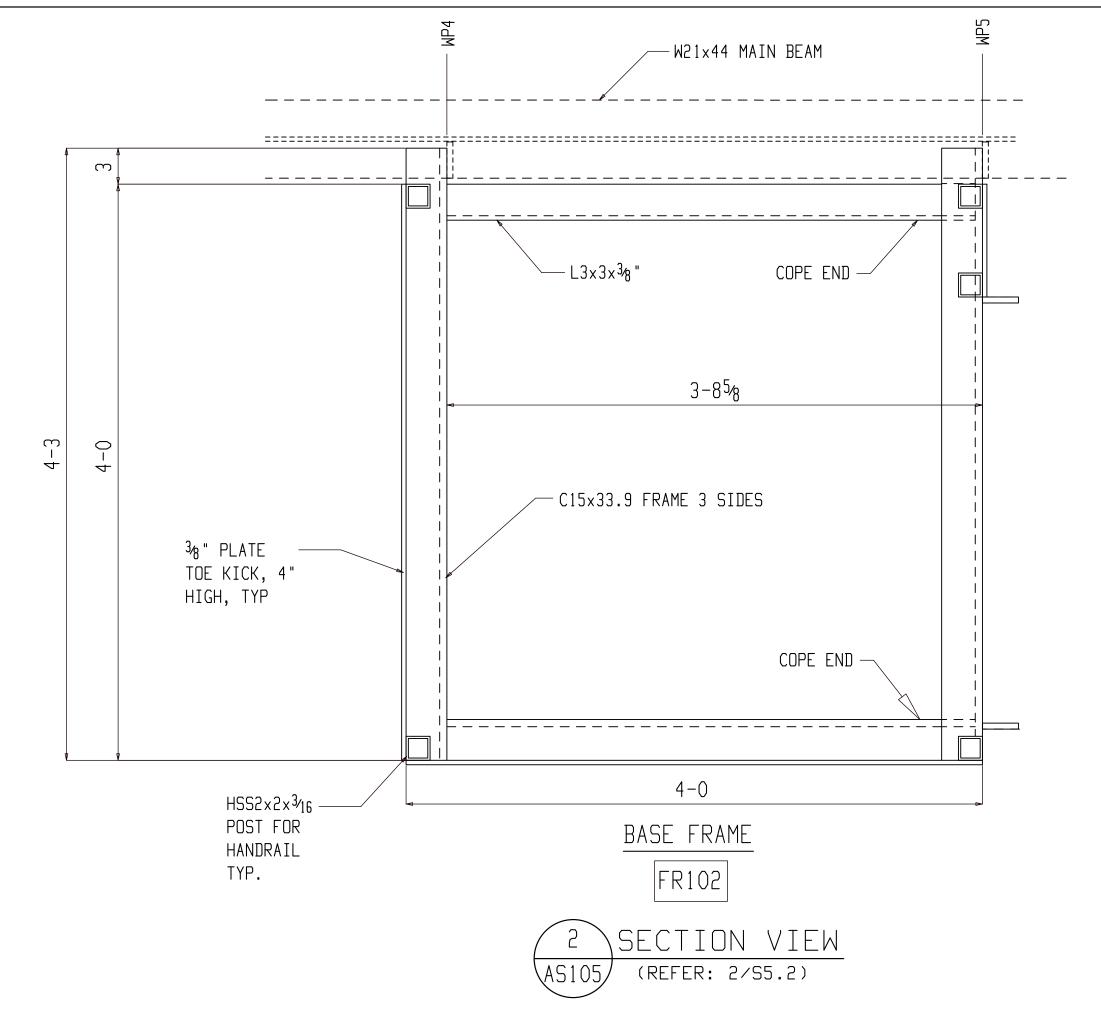
REQUIRED, TYP

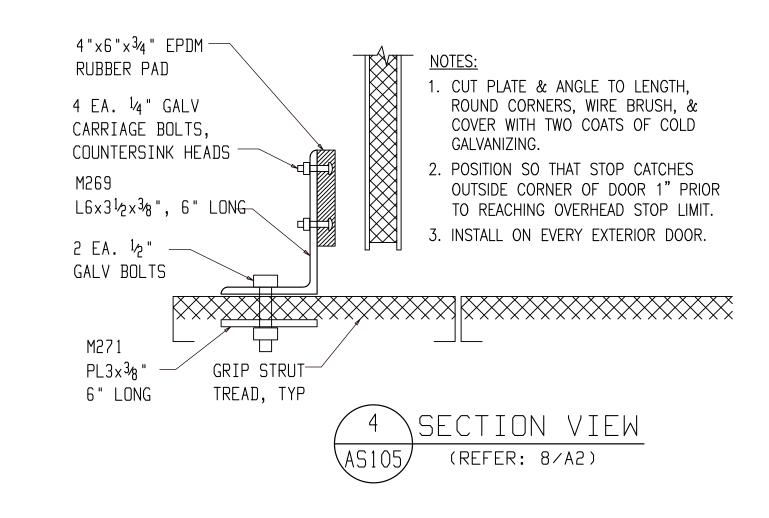
WELD TREAD TO

CHANNEL/ANGLE, TYP-



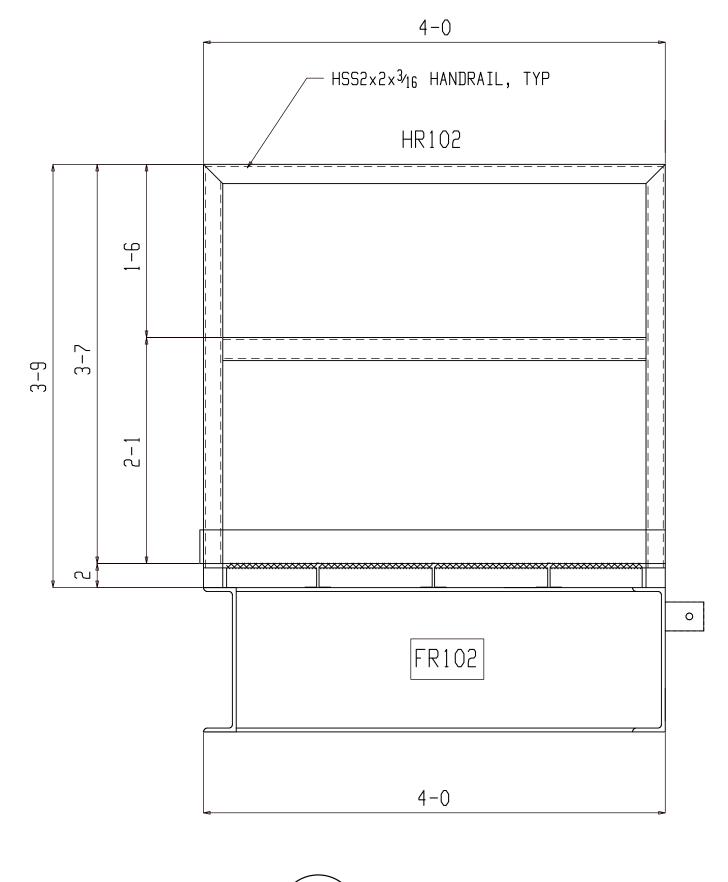
	BILL OF MATERIAL										
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT				
MARK	MARK										
AS105		ONE	ASSEMBLY		(GALV)						
	FR102	1	FRAME								
	HR102	1	HANDRAIL								
	HR103	1	HANDRAIL								
	GR102	2	GRIPSTRUTS								
	GR104	1	GRIPSTRUTS								
	GR105	1	GRIPSTRUTS								
	M269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





# SHOP NOTE:

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



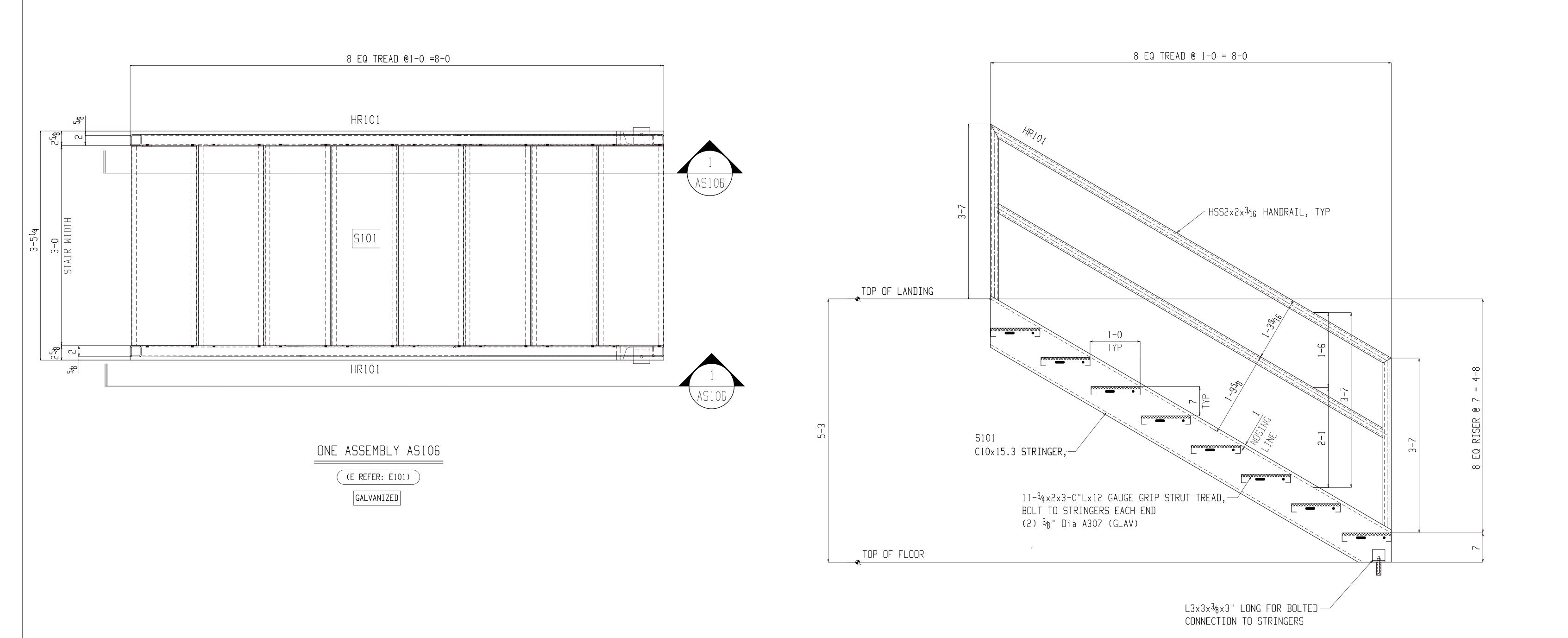


# FOR FABRICATION

AS105 🛕

	FUN FADINIO	AHON
	SHOP NOTES:	
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG:		
for Fabrication		ALN 07-21-22
For Re-Approval		ALN 07-13-22
A 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.	
	DATE: 05-26-22	
CONTRACTOR: A	ALASKA ENERGY AUTHORITY  JOB NUMBER   S	SHEET NO. REV

DESCRIPTION: ASSEMBLY AS105



	SHO		VOT		
, the second	¬	/	$\neg$	$\sim$	

GRADE

REMARKS

WEIGHT

MARK	MARK			
AS106		ASSEMBLY	(GALV)	
	S101	1 STAIR		
	HR101	2 HANDRAIL		

BILL OF MATERIAL

DESCRIPTION

PIECE

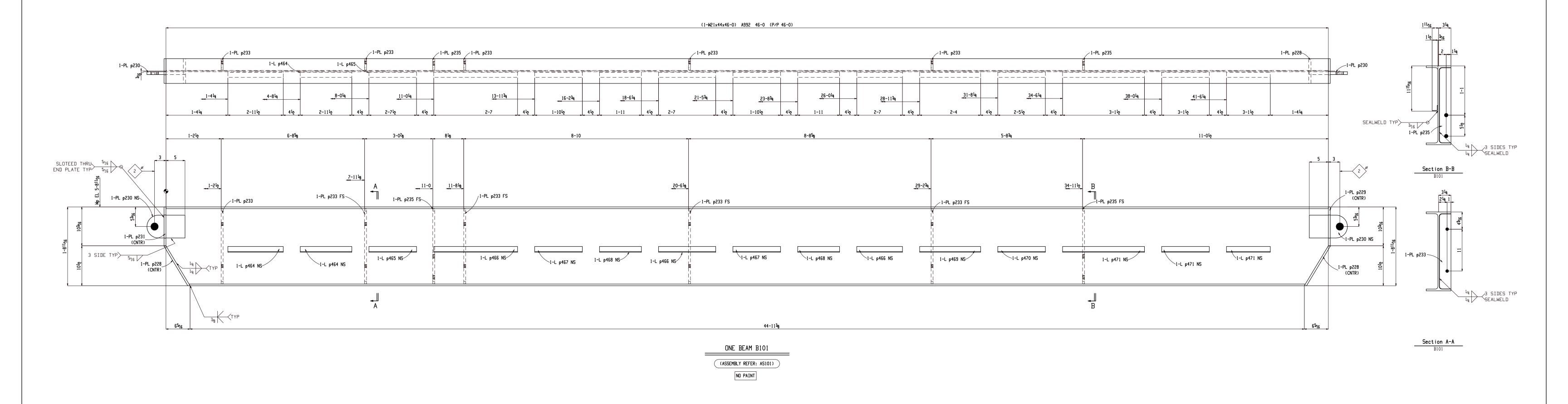
QTY

- 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-PRE-GALV TREAD PRIOR TO WELDING/BOLTING TREADS TO STRUCTURE.

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION HOLES U.N. 13/16Ø GALVANIZED DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. REV 460 AS106 🖄 DESCRIPTION: ASSEMBLY AS106

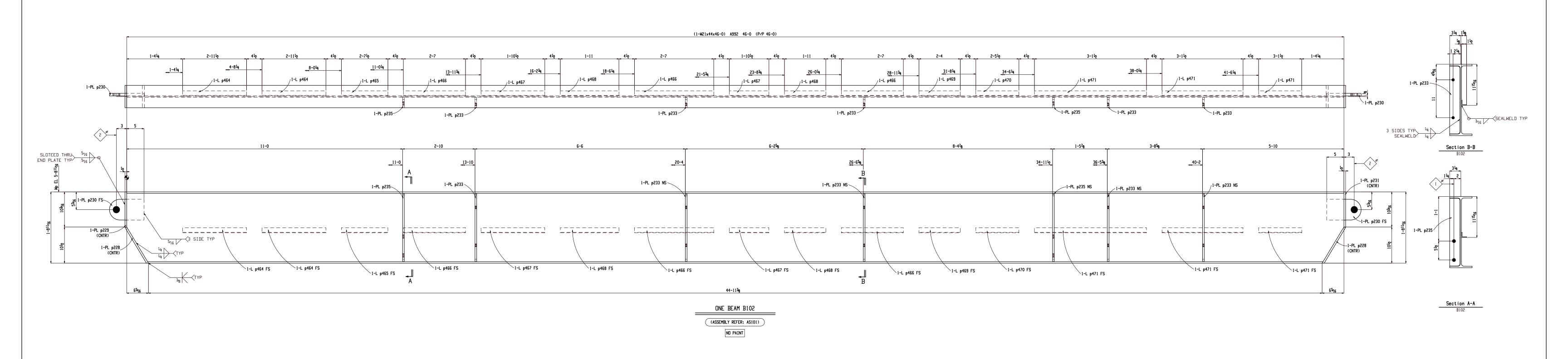
SECTION VIEW

(REFER: 1/S5.2)



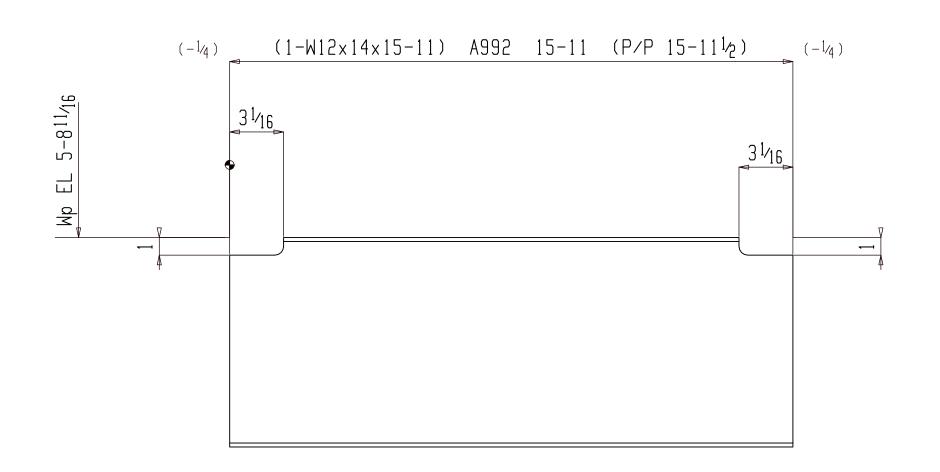
		BILL OF N	1ATERIA	۱L			BILL OF MATERIAL							
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS GRADE	WEIGHT		
MARK	MARK						MARK	MARK						
B101		ONE BEAM				2218		p471	3 L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	3-11/2	A36	17		
	B101	1 W21×44	46-0		A992	2024		p470	1 L1½×1½×3/16	2-51/2	A36	4		
	p230	2 PL <sup>3</sup> / <sub>4</sub> ×6	10		A36	26		p469	1 L 1 ½ × 1 ½ × 3/16	2-4	A36	4		
	p231	1 PL <sup>1</sup> /2×6 <sup>1</sup> /2	105/16		A36	10		p468	2 L1½×1½×3/16	1 – 1 1	A36	7		
	p229	1 PL ½×6½	105/16		A36	10		p467	2 L1½×1½×3/16	1-101/2	A36	7		
	p228	2 PL ½×6½	1-03/8		A36	23		p466	3 L1½×1½×3/16	2-7	A36	1 4		
	p235	2 PL <sup>1</sup> /2×3	1-711/16		A36	17		p465	1 L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	2-71/2	A36	5		
	p233	5 PL <sup>1</sup> /2×3	1-711/16		A36	42		p464	2 L1½×1½×3/16	2-111/2	A36	1 1		

FO	R FABRIC	CATIC	NC
SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
For Fabrication		ALN	07-21-22
For Re-Approval			07-21-22
For Re-Approval  For Approval			07-06-22
REV. DESCRIPTION		BY	DATE
DLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING:		
OB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PK	KM CHK.	BY: ALN
OCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-2		
	JOB NUMBER	SHEET NO.	
DESCRIPTION: BEAM DETAIL	460	B101	0



			BILL OF N	<b>MATERIA</b>	L						BILL OF N	<b>MATERIA</b>	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B102		ONE B	EAM				2218		p471	3	L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	3-11/2		A36	17
	B102	1 W	21×44	46-0		A992	2024		p470	1	L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	2-51/2		A36	4
	p230	2 P	L <sup>3</sup> / <sub>4</sub> ×6	10		A36	26		p469	1	L1½×1½×3/16	2-4		A36	4
	p231	1 P	L <sup>1</sup> /2×6 <sup>1</sup> /2	105/16		A36	10		p468	2	L1½×1½×3/16	1-11		A36	7
	p229	1 P	L <sup>1</sup> /2×6 <sup>1</sup> /2	105/16		A36	10		p467	2	L1½×1½×3/16	1-101/2		A36	7
	p228	2 P	L <sup>1</sup> /2×6 <sup>1</sup> /2	1-03/8		A36	23		p466	3	L1½×1½×3/16	2-7		A36	14
	p235	2 P	L <sup>1</sup> /2×3	1-711/16		A36	17		p465	1	L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	2-71/2		A36	5
	p233	5 P	L <sup>1</sup> /2×3	1-711/16		A36	42		p464	2	L11/2×11/2×3/16	2-111/2		A36	1 1

	FOR	<b>FABRI</b>	CATI	ON
SHOP NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG:				
6 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 UPGI	RADE	DR. BY: PI	KM CH	(. BY: ALN
LOCATION: ALASKA		SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-		
		JOB NUMBER	SHEET	^
DESCRIPTION: BEAM DETAIL		460	B102	2 / /0\



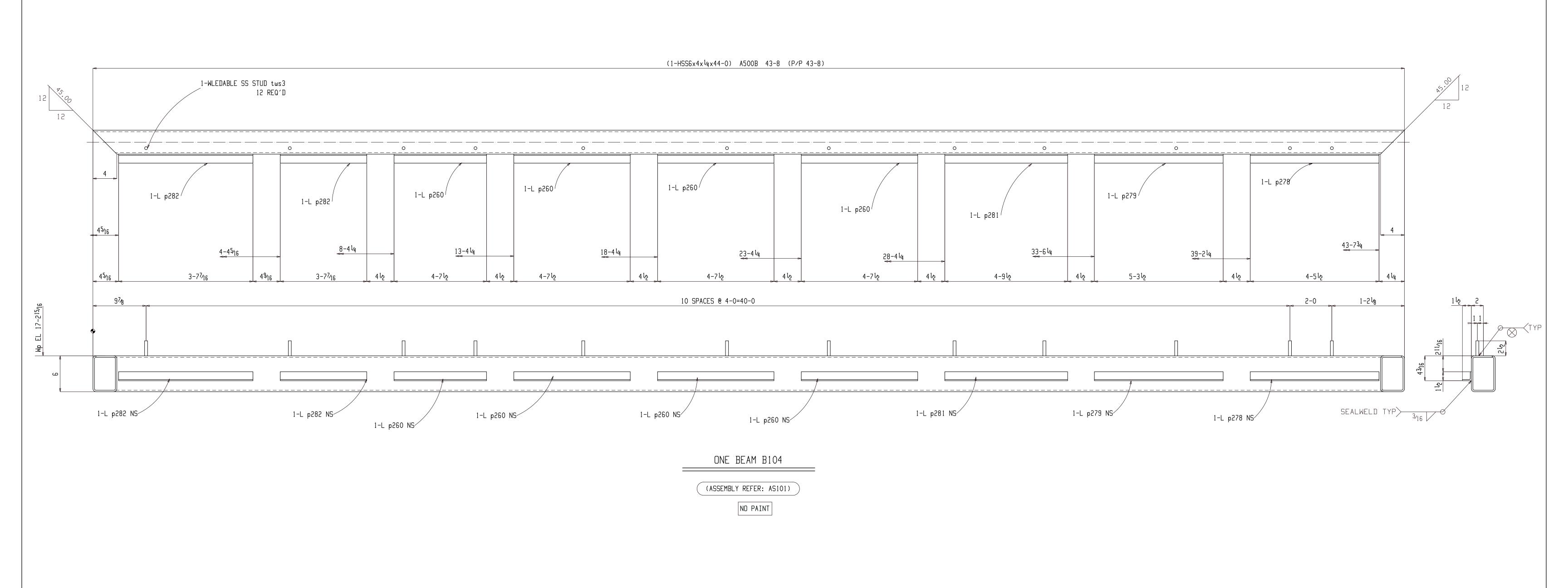
### 16 BEAMS B103

(ASSEMBLY REFER: AS101)

NO PAINT

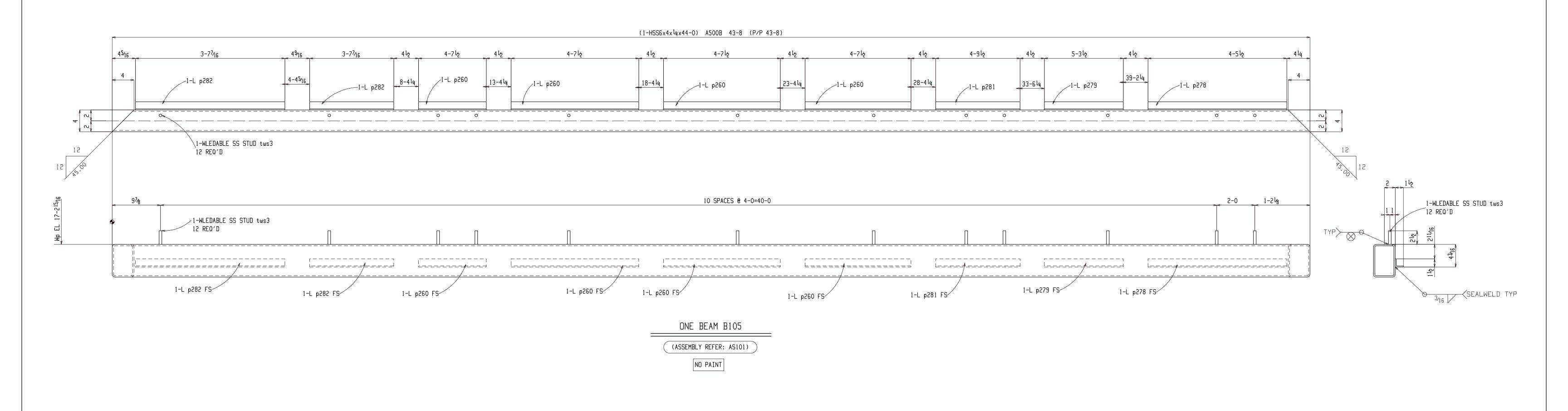
		Е	BILL OF N	1ATE	RIAL					F	BILL OF M	IATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B103		16	BEAM				3565								
	B103	16	W12x14	15-11		A992	3565								

	FOR I	FABRIC	CATIO	N
SHOP NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
For Fabrication			ALN	07-21-22
B For Re-Approval			ALN	07-13-22
For Approval			ALN	07-06-22
REV. DESCRIPTION			BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS:	E70XX	CLEANING	<b>i</b> :	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRAD	E	DR. BY: P	KM CHK	.BY: ALN
LOCATION: ALASKA		SCALE: N.A.	•	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-		
		JOB NUMBER	SHEET N	
DESCRIPTION: BEAM DETAIL		460	B103	3 0



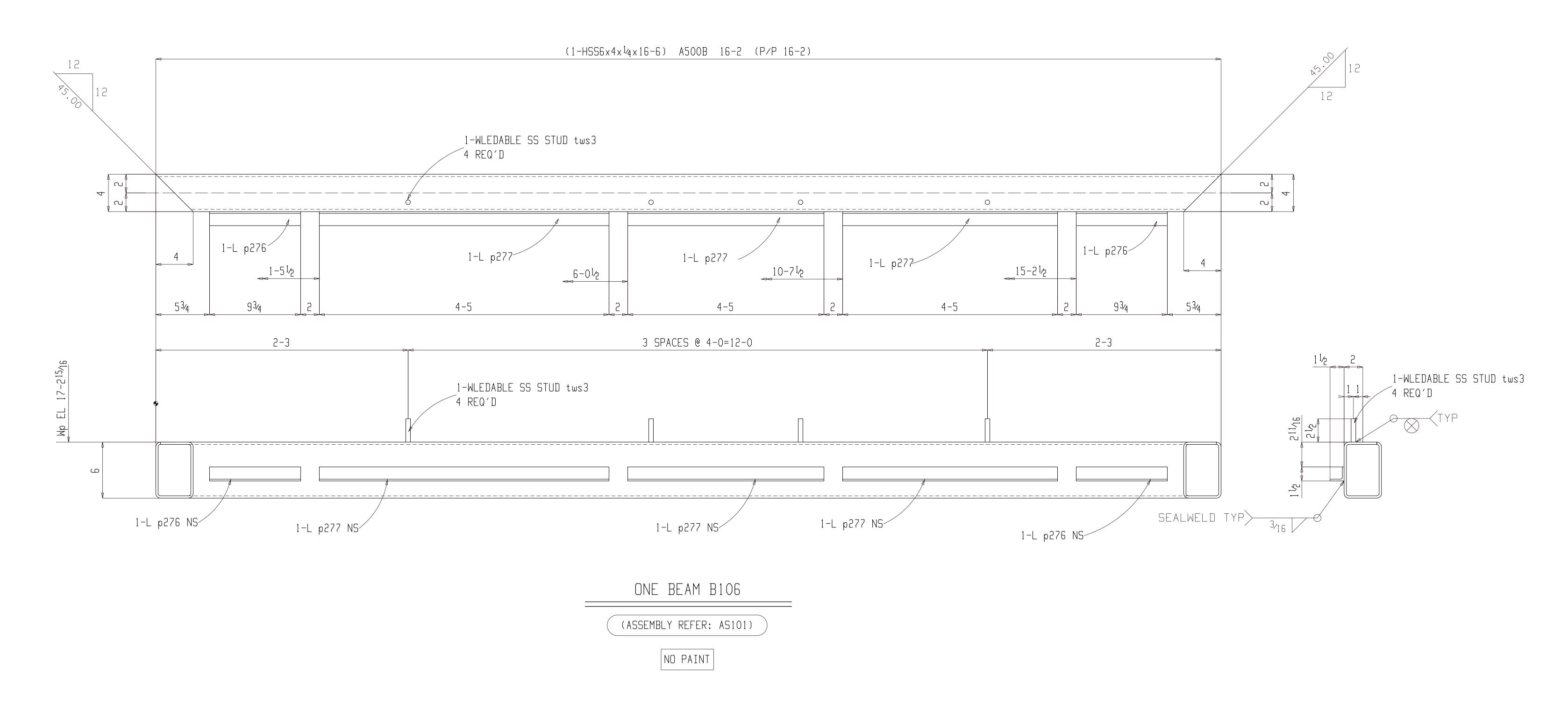
			BILL OF N	1ATERIA	L						BILL OF N	1ATERIA	<b>\L</b>		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B104		ONE	BEAM				761						W/ HEX NUT	STUD)	
	B104	1	HSS6×4×1⁄4	44-0		A500B	687						AND WASHER		
	p282	2	L1½×1½×3/16	3-77/16		A36	13								
	p281	1	L1½×1½×3/16	4-91/2		A36	9								
	p279	1	L1½×1½×3/16	5-31/2		A36	10								
	p278	1	L1½×1½×3/16	4-51/2		A36	8								
	p260	4	L1½×1½×3/16	4-77/16		A36	33								
	tws3	12	TWS 1/2	21/2 1/2	NELDABLE SS	(NELSON	2								

					FOR	FA	BR	ICA	ΛΤΙ	O۱	J
			SHOP	P NOTES:	1						
REF. [	)WG/SPEC :										
DEG R	EF. SPEC. / DWG	):									
0	For Fabrication								ALN	07-2	21-22
B	For Re-Approva	l							ALN		3-22
Â	For Approval								ALN		6-22
REV.			DESCRIPTION						BY	DA	TE
HOLES U.I	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANI	NG:			
	19/100						\ <u>\</u>	DIA	0.114	- D\/	4111
JOB	NAME:	NAPASKIAK	( POWER SYS	STEM UPG	GRADE	DR. E		PKM	CHK	. BY:	ALN
LOCA	ATION:	ALASKA					.E: N.A				
CON	TRACTOR:	ΔΙ ΔΟΚΛ ΕΝ	IERGY AUTHO	\PITV			: 05-2	-			
				ווווו			IUMBER		HEET N		REV
DEC	CRIPTION:	BEAM DETA	<b>11</b>			1	60		3104		0



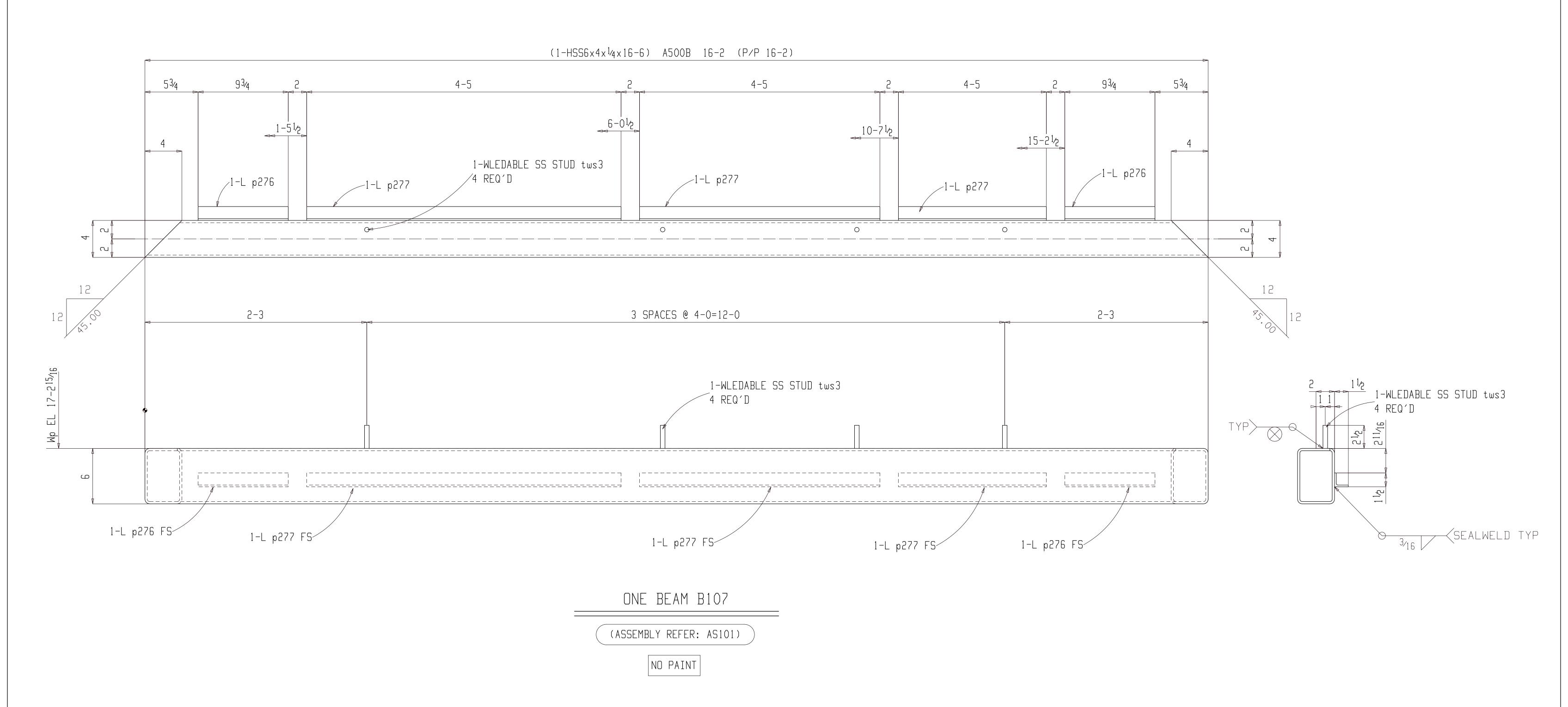
			BILL OF M	1ATERIA	L						BILL OF	MATERI <i>A</i>	 <b>\</b> L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B105		ONE	BEAM				761						W/ HEX NUT	STUD)	
	B105	1	HSS6×4×1/4	44-0		A500B	687						AND WASHER		
	p282	2	L1½×1½×3/16	3-77/16		A36	13								
	p281	1	L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	4-91/2		A36	9								
	p279	1	L1 <sup>1</sup> /2×1 <sup>1</sup> /2× <sup>3</sup> /16	5-31/2		A36	10								
	p278	1	L1½×1½×3/16	4-51/2		A36	8								
	p260	4	L1½×1½×3/16	4-77/16		A36	33								
	tws3	12	TWS <sup>1</sup> /2	2 1/2 N	NELDABLE SS	(NELSON	2								

	FC	R FABRIC	CATIO	٧
	SHOP NOTES:			
EF. DWG/SPEC :				
EG REF. SPEC. / DW	G:			
For Fabrication				-21-22
For Re-Approv  For Approval	ral			-13-22
For Approval	DECODIDE			-06-22
EV.	DESCRIPTION		BY C	ATE
LES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX			
OB NAME:	NAPASKIAK POWER SYSTEM UPGRADE		KM CHK. BY	: ALN
OCATION:	ALASKA	SCALE: N.A.		
	ALASKA ENERGY AUTHORITY	DATE: 05-26-2		T ==
$\mathbb{C}(M)$ $K$ $V$ $C$ $I$ $U$ $K$ $F$		JOB NUMBER	SHEET NO.	REV
CONTRACTOR: ESCRIPTION:	BEAM DETAIL	460	B105	0



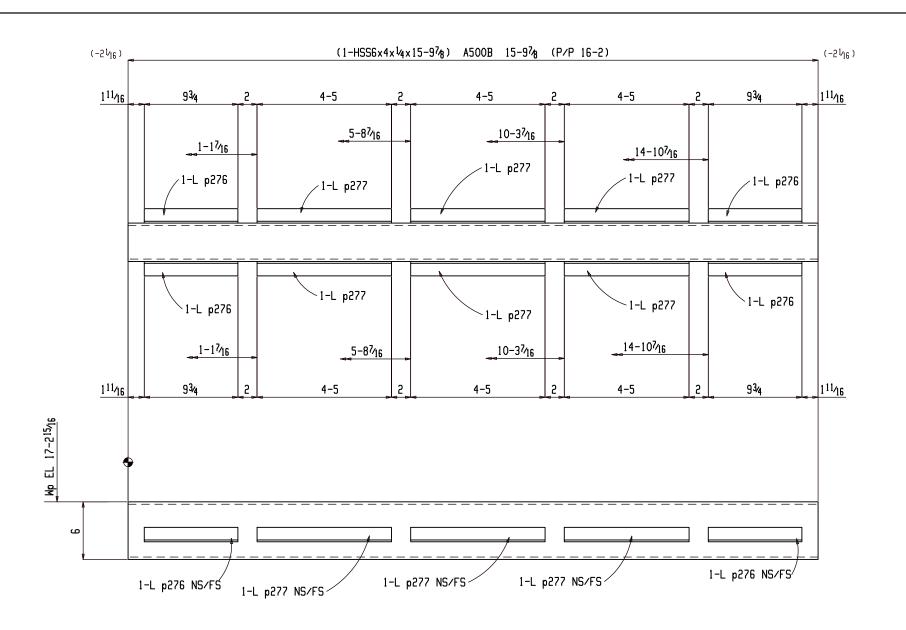
			BILL OF N	MATERIA	L						BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B106		ONE	BEAM				285								
	B106	1	HSS6×4×1/4	16-6		A500B	258								
	p277	3	L1½×1½×3/16	4-5		A36	24								
	p276	2	L1½×1½×3/16	93/4		A36	3								
	tws3	4	TWS <sup>1</sup> /2	2 1/2 N	WELDABLE SS	(NELSON	1								
				V	N/ HEX NUT	STUD)									
1					AND WASHER										

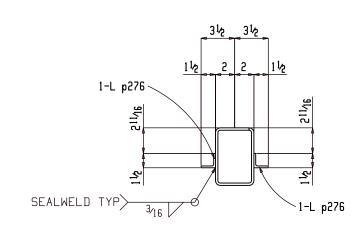
				FOR	FA	BR	IC/	۱T	O۱	J
		SHC	OP NOTES:							
REF. DWG/SPEC :										
DEG REF. SPEC. / DWG :										
								A 1 A 1		
For Fabrication								ALN		21-22
For Re-Approval								ALN		3-22
A For Approval REV.		DESCRIPTION						ALN BY		06-22 NTE
IOLES U.N. 13/400	PAINT U.N.	NO DAINT	WELDS:	F70\/\		CLEAN	ING <sup>.</sup>			
10/1000		NO PAINT		E70XX						
Job name: Na	PASKIAK	(POWER SY	STEM UPG	RADE	DR.		PKM	CHK	. BY:	ALN
LOCATION: AL	ASKA					LE: N.A				
CONTRACTOR: AL	ASKA EN	IERGY AUTH	ORITY			E: 05-2			_	
			OMIT			NUMBER		HEET N		REV
DESCRIPTION: BE	AM DET <i>A</i>	711			4	-60		B106	j	/0\



			BILL OF N	1ATERIA	AL						BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH
MARK	MARK							MARK	MARK						
B107		ONE BE	EAM				285								
	B107 1 HSS6×4×1/4			16-6		A500B	258								
	B107 1 HSS6×4×1/4 p277 3 L1 <sup>1</sup> / <sub>2</sub> ×1 <sup>1</sup> / <sub>2</sub> × <sup>3</sup> / <sub>16</sub>			4-5		A36	24								
	p276	2 L 1	1 ½×1 ½×3/16	93/4		A36	3								
	tws3	4 TV	NS 1/2	21/2	WELDABLE SS	(NELSON	1								
					W/ HEX NUT	STUD)									
					AND WASHER										

				FOR	FABR	ICATI	ON
		SHO	P NOTES:				
EF. DWG/SPEC :							
EG REF. SPEC. / DV	 VG :						
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
For Fabrication	on					ALN	07-21-22
For Fabrication For Re-Approx For Approval	val					ALN	07-13-22
For Approval						ALN	07-06-22
V.		DESCRIPTION				BY	DATE
ES U.N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANIN	NG:	
DB NAME:	NAPASKIAI	K POWER SYS	STEM UP	GRADE	DR. BY:	PKM CH	K. BY: ALN
CATION:	ALASKA				SCALE: N.A.		
		NERGY AUTH	ORITY		DATE: 05-26	-	
					JOB NUMBER 460	SHEET N	^
<b>ESCRIPTION:</b>	BEAM DET						





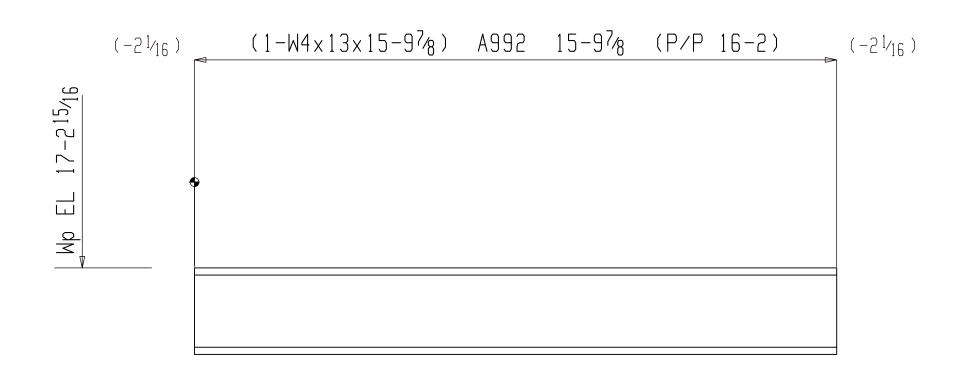
#### ONE BEAM B108

(ASSEMBLY REFER: AS101)

NO PAINT

		ŀ	BILL OF M	1ATE	RIAL					6	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B108		ONE	BEAM				301								
	B108	1	HSS6x4x <sup>1</sup> / <sub>4</sub>	15-9 <sup>7</sup> /8		A500B	247								
	p277	6	L1½x1½x <sup>3</sup> /16	4-5		A36	48								
	p276	4	L1½x1½x <sup>3</sup> /16	93⁄4		A36	6								

	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DV	NG ·				
<u> </u>	<b>70</b> .				
6 For Fabrication	on .			ALN	07-21-22
B For Re-Appro	val			ALN	07-13-22
A For Approval				ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING	3:	
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY: P	KM CHK	K. BY: ALN
OCATION:	ALASKA		SCALE: N.A.		
		,	DATE: 05-26		
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	IO. REV
DESCRIPTION:	BEAM DETAIL		460	B108	3 / 🔊



#### 7 BEAMS B109

(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF M	1ATE	RIAL					E	BILL OF M	IATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B109		7	BEAM				1440								
	B109	7	W4×13	15-9 <sup>7</sup> /8		A992	1440								

#### REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME:

LOCATION:

DESCRIPTION:

ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

**BEAM DETAIL** 

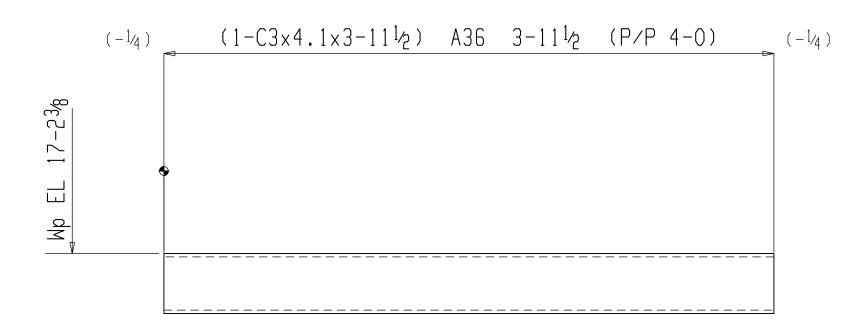
SHOP NOTES:

FOR FABRICATION

SCALE: N.A.

DATE: 05-26-22

B109



ONE BEAM B110

SHOP NOTE:

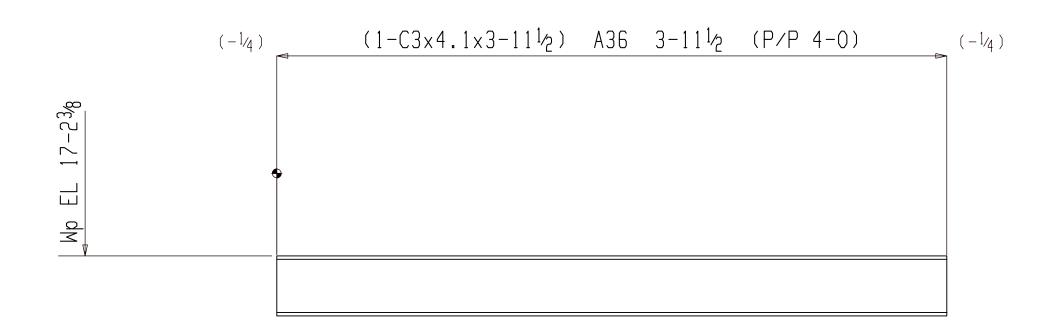
NOTE: (ASSEMBLY REFER: AS101)

TOE DIRECTION FAR SIDE

NO PAINT

		į.	BILL OF N	1ATE	RIAL						BILL OF M	1ATE	RIAL		
SHI	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAR	MARK							MARK	MARK						
B110		ONE	BEAM				16								
	B110	1	C3x4.1	3-11½		A36	16								
										·					

						FOR I	FAE	BRIC	CAT	ΓΙΟ	N	
				SHOP N	IOTES:							
	DWG/SPEC :											
DEG F	REF. SPEC. / DW	'G :										
	For Fabrication	,								ALN	07-2	1-22
B	For Re-Approv									ALN		3-22
A	For Approval	ш								ALN		6-22
REV.	11			DESCRIPTION						BY	DA	ΛTE
HOLES U.	N 137 A	l F	PAINT U.N.	NO DAINT	WELDS:	F70\/\/		CLEANIN	G.			
	19/1610			NO PAINT		E70XX						
JOB 1	NAME:	NAPAS	SKIAK P	OWER SYSTEM I	JPGRADE		DR. B		PKM	CHK.	BY:	ALN
LOCA	ATION:	ALASK	ίA					E: N.A.				
CON	CONTRACTOR: ALASKA ENERGY AUTHORITY							: 05-26 UMBER		HEET NO	<u>1</u>	REV
												$\overline{}$
DESC	CRIPTION:	BEAM	DETAIL				4	60		B110		



ONE BEAM B111

SHOP NOTE:

TOE DIRECTION NEAR SIDE

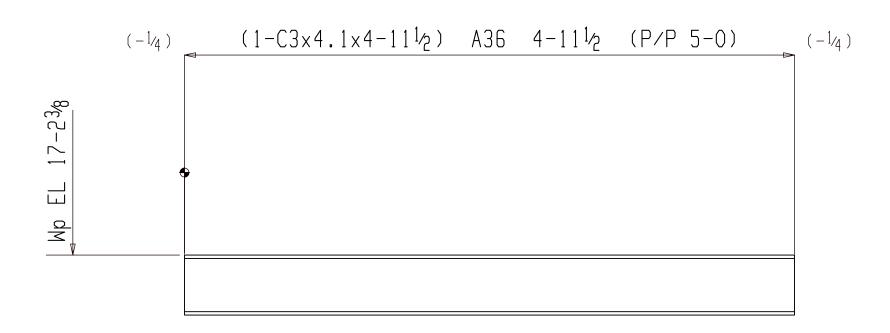
(ASSEMBLY REFER: AS101)

NO PAINT

				BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
9	HIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
۲	IARK	MARK							MARK	MARK						
B1	11		ONE	BEAM				16								
		B111	1	C3x4.1	3-111/2		A36	16								

# SHOP NOTES: 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 WEL	E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM UP	GRADE	DR. BY:	PKM   CHK. BY:	ALN
LOCATION:	ALASKA		SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY		DATE: 05-26		
CONTINACTOR.	ALASKA LINLINGT AUTHORITT		JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	BEAM DETAIL		460	B111	



3 BEAMS B112

SHOP NOTE:

TOE DIRECTION NEAR SIDE

(ASSEMBLY REFER: AS101)

NO PAINT

HOLES U.N.

JOB NAME:

LOCATION:

DESCRIPTION:

13/<sub>16</sub>Ø

ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

**BEAM DETAIL** 

		F	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B112		3	BEAM				61								
	B112	3	C3x4.1	4-11 <sup>1</sup> / <sub>2</sub>		A36	61								
													·		
													· · · · · · · · · · · · · · · · · · ·		

#### 

NO PAINT

NAPASKIAK POWER SYSTEM UPGRADE

FOR FABRICATION

CLEANING:

SCALE: N.A.

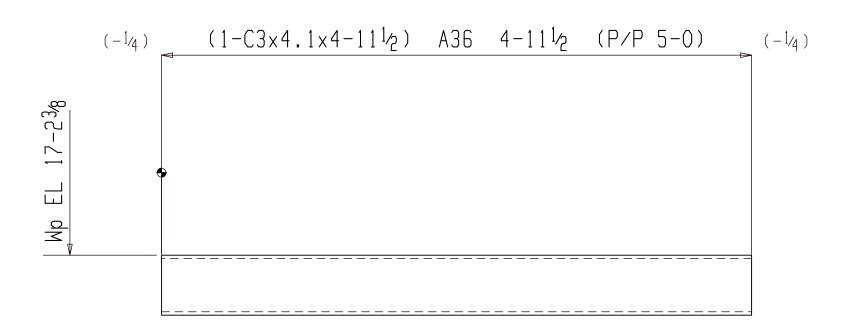
460

DATE: 05-26-22

DR. BY: PKM CHK. BY: ALN

B112

E70XX



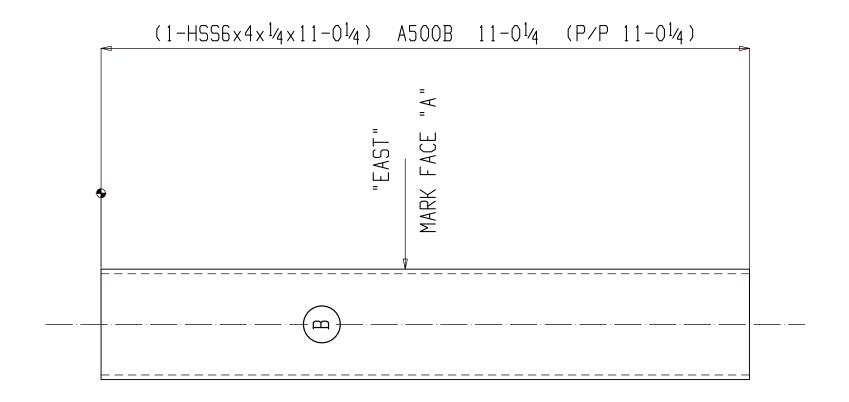
3 BEAMS B113

SHOP NOTE: TOE DIRECTION FAR SIDE (ASSEMBLY REFER: AS101)

NO PAINT

		Е	BILL OF N	1ATE	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
B113		3	BEAM				61								
	B113	3	C3x4.1	4-11 <sup>1</sup> 2		A36	61								

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG:			
<u> </u>			
For Fabrication		ALN 0	7-21-22
For Re-Approval			7-13-22
For Approval		1	7-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø PAINT WELDS: E70XX	CLEANIN	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK. B	: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		
	JOB NUMBER	SHEET NO.	REV
DESCRIPTION: BEAM DETAIL	460	B113	



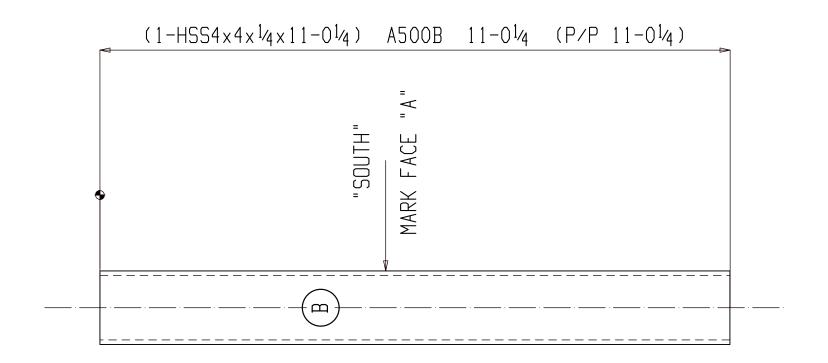
#### ONE COLUMN C101

(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	1ATE	RIAL					E	BILL OF M	<b>IATE</b>	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
C101		ONE	COLUMN				172								
	C101	1	HSS6x4x <sup>1</sup> / <sub>4</sub>	11-01/4		A500B	172								
		·													
		·													

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: **COLUMN DETAIL** C101



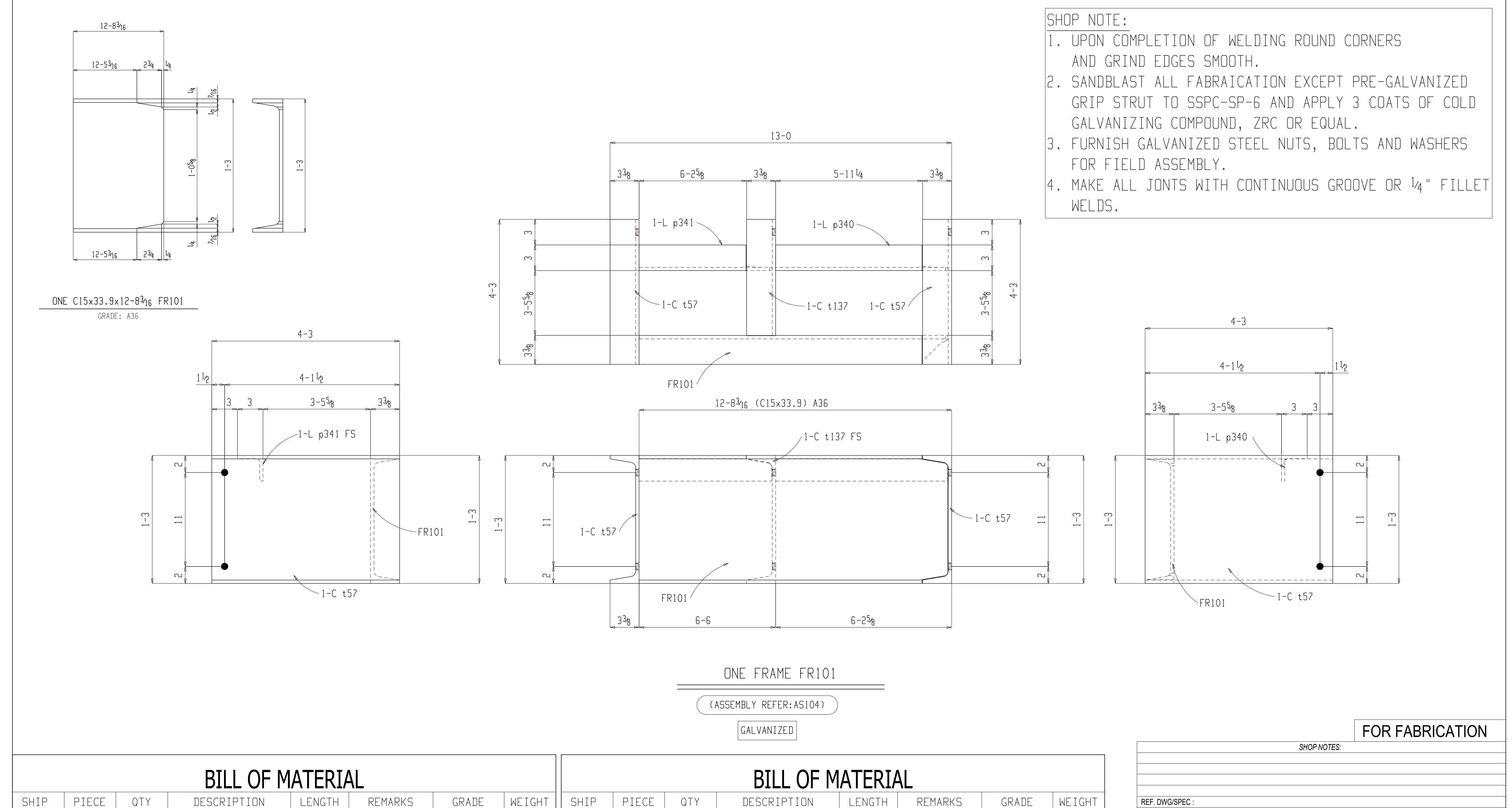
#### 5 COLUMNS C102

(ASSEMBLY REFER: AS101)

NO PAINT

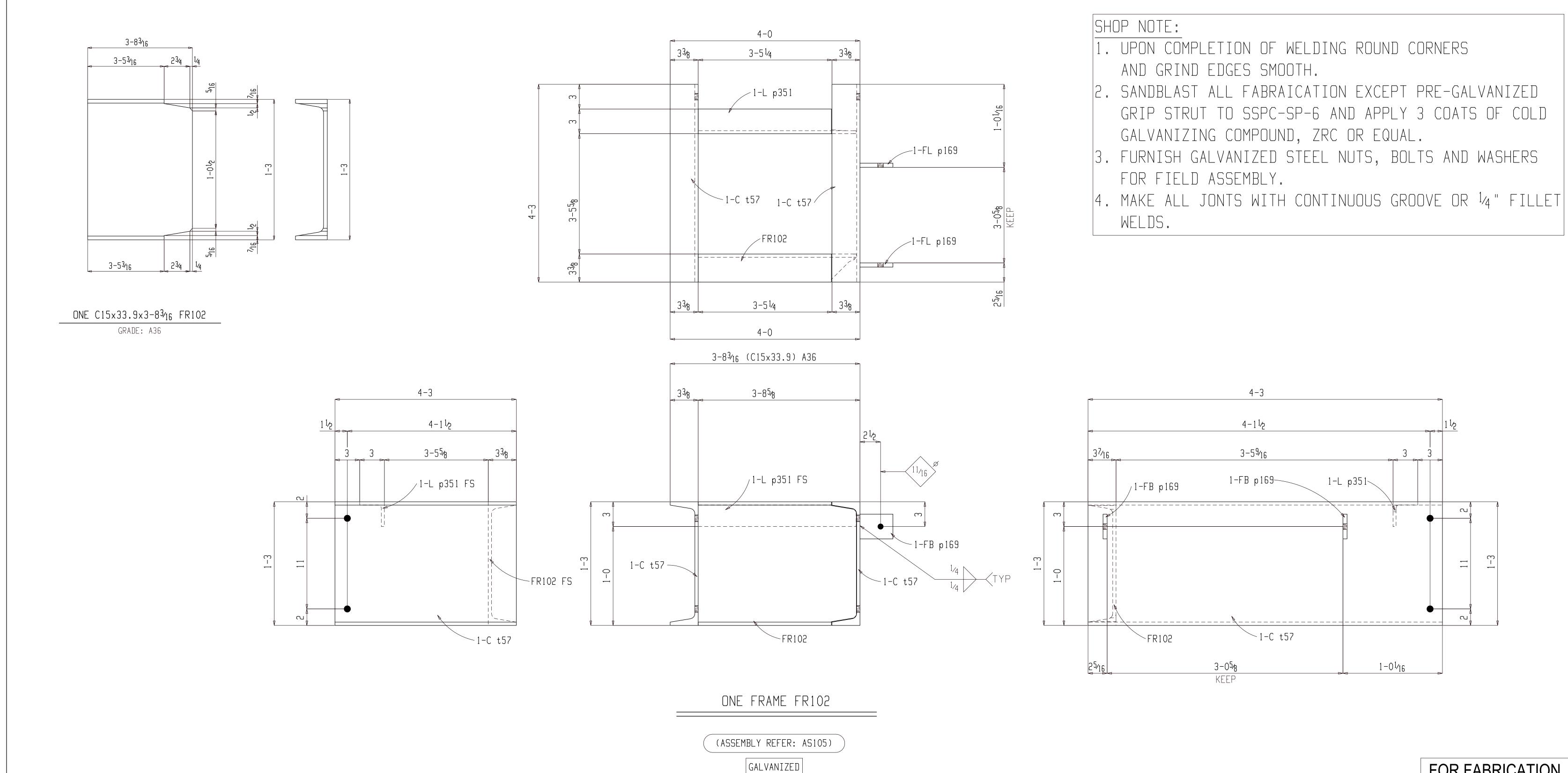
			E	BILL OF M	1ATE	RIAL					-	BILL OF M	1ATE	RIAL		
SH	IP P	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MA	.RK I	MARK							MARK	MARK						
C102	2		5	COLUMN				673								
	C1	102	5	HSS4x4x <sup>1</sup> / <sub>4</sub>	11-01/4		A500B	673								

FOR	FABRIC	ATIC	N
SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
✓ For Fabrication		ALN	07-21-22
For Fabrication For Re-Approval		ALN	07-21-22
A For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:	:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PI	KM CHK	BY: ALN
LOCATION: ALASKA	SCALE: N.A.		_
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-		
	JOB NUMBER	SHEET N	
DESCRIPTION: COLUMN DETAIL	460	C102	2 0



		BILL OF	MATERIA	٩L						BILL OF N	1ATERIA	۸L		
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
FR101		ONE FRAME		(GALV)		944			6	TC <sup>3</sup> / <sub>4</sub> Dia A325N	2	+1HD WASH		
	FR101	1 C15×33.9	12-83/16		A36	430						GALV		
	p341	1 L3×3× <sup>3</sup> ⁄8	6-59/16		A36	47								
	p340	1 L3×3× <sup>3</sup> ⁄8	6-23/16		A36	44								
	t137	1 C15×33.9	3-115/8		A36	135								
	t57	2 C15×33.9	4-3		A36	288								
		FIELD BOLTS												

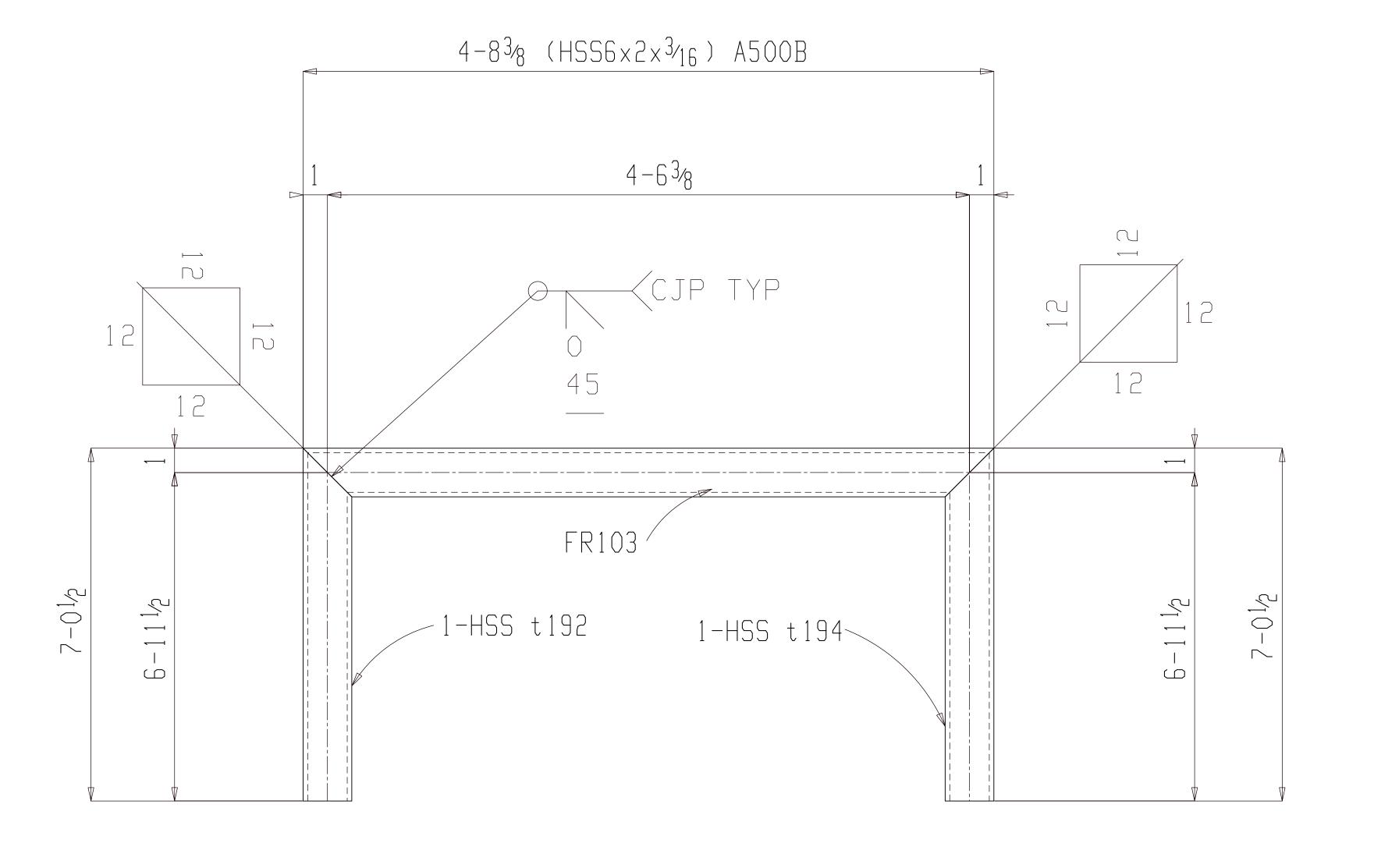
		FOR FABRI	CATI	ON
		SHOP NOTES:		
RFF [	DWG/SPEC :			
	REF. SPEC. / DWG	3:		
<u> </u>	For Fabrication		ALN	07-21-22
B	For Re-Approva		ALN	07-13-22
Â	For Approval		ALN	07-06-22
REV.		DESCRIPTION	BY	DATE
HOLES U.I	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. GALVANIZED WELDS: E70XX CLEANING	SSPC	-SP6
JOB	NAME:	NAPASKIAK POWER SYSTEM UPGRADE DR. BY: P	KM CHK	K. BY: ALN
LOCA	ATION:	ALASKA SCALE: N.A.		
	TRACTOR:	ALASKA ENERGY ALITHORITY DATE: 05-26-		
		30D NOMBER	SHEET N	
DES(	CRIPTION:	FRAME DETAIL 460	FR10	)1 /0



		BILL OF M	1ATERIA	<b>AL</b>						BILL OF N	1ATERIA	۱L		
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
FR102		ONE FRAME		(GALV)		443						GALV		
	FR102 1 C15×33.9 3-8 <sup>3</sup> ⁄ <sub>16</sub> A36													
	p351	1 L3×3×3⁄8	3-83/16		A36	26								
	p169	2 FB <sup>1</sup> /2×4	3		A36	3								
	t57	2 C15×33.9	4-3		A36	288								
		FIELD BOLTS												
		4 TC 3/4 Dia A325N	2	+1HD WASH										

FC	OR FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
A For Folyisation	ALN 07.04.00
For Fabrication  B For Re-Approval	ALN 07-21-22 ALN 07-13-22
A For Approval	ALN 07-13-22 ALN 07-06-22
REV. DESCRIPTION	BY DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX	X CLEANING: SSPC-SP6
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	<b></b>
LOCATION: ALASKA	SCALE: N.A.
	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV

DESCRIPTION: FRAME DETAIL



## ONE FRAME FR103

(ASSEMBLY REFER: AS101)

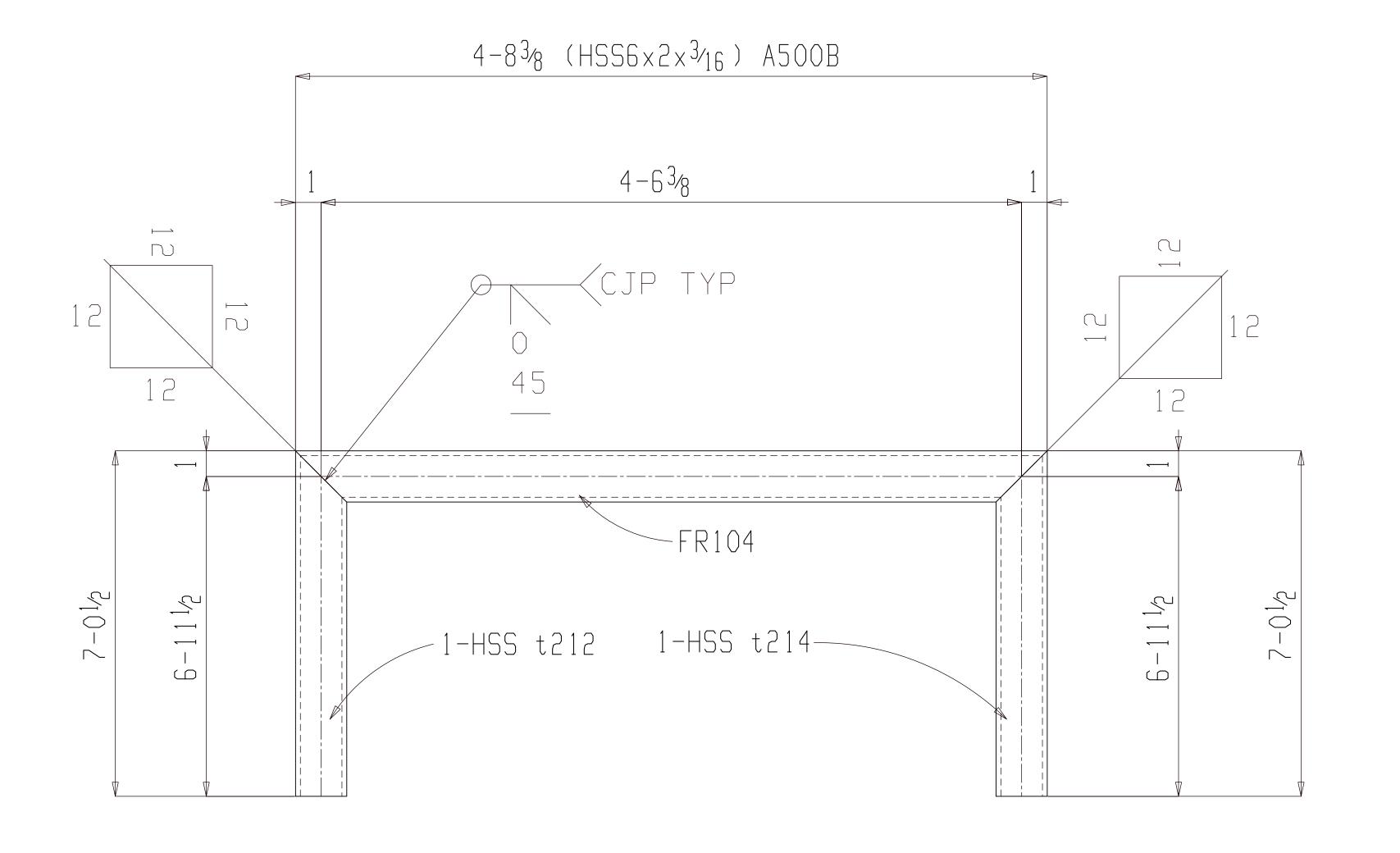
NO PAIN

## 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.

								1							
			BILL OF I	MATERIA	<b>AL</b>						BILL OF N	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
FR103		ONE	FRAME				177								
	FR103	1	HSS6×2× <sup>3</sup> ⁄16	4-83/8		A500B	44								
	t194	1	HSS6×2×3/16	7-01/2		A500B	66								
	t192	1	HSS6×2×3/16	7-01/2		A500B	66								

				FOR	<b>FABRI</b>	CAT	ION
		SHC	OP NOTES:				
	WG/SPEC :						
DEG RI	EF. SPEC. / DWG						
	For Fabrication					ALNI	07.04.00
0 B	For Re-Approva					ALN ALN	07-21-22 07-13-22
Â	For Approval					ALN	07-13-22
REV.		DESCRIPTION				BY	DATE
HOLES U.N	13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS:	E70XX	CLEANING	G:	
JOB 1	NAME:	NAPASKIAK POWER SY	STEM UPG	RADE	DR. BY: F	KM CH	K. BY: ALN
	ATION:	ALASKA	- · <b>-</b> · · · · ·		SCALE: N.A.	1	
	_		ODITV		DATE: 05-26	-22	
	TRACTOR:	ALASKA ENERGY AUTH	UKITY		JOB NUMBER	SHEET	
DESC	CRIPTION:	FRAME DETAIL			460	FR10	03 /



## ONE FRAME FR104

(ASSEMBLY REFER: AS101)

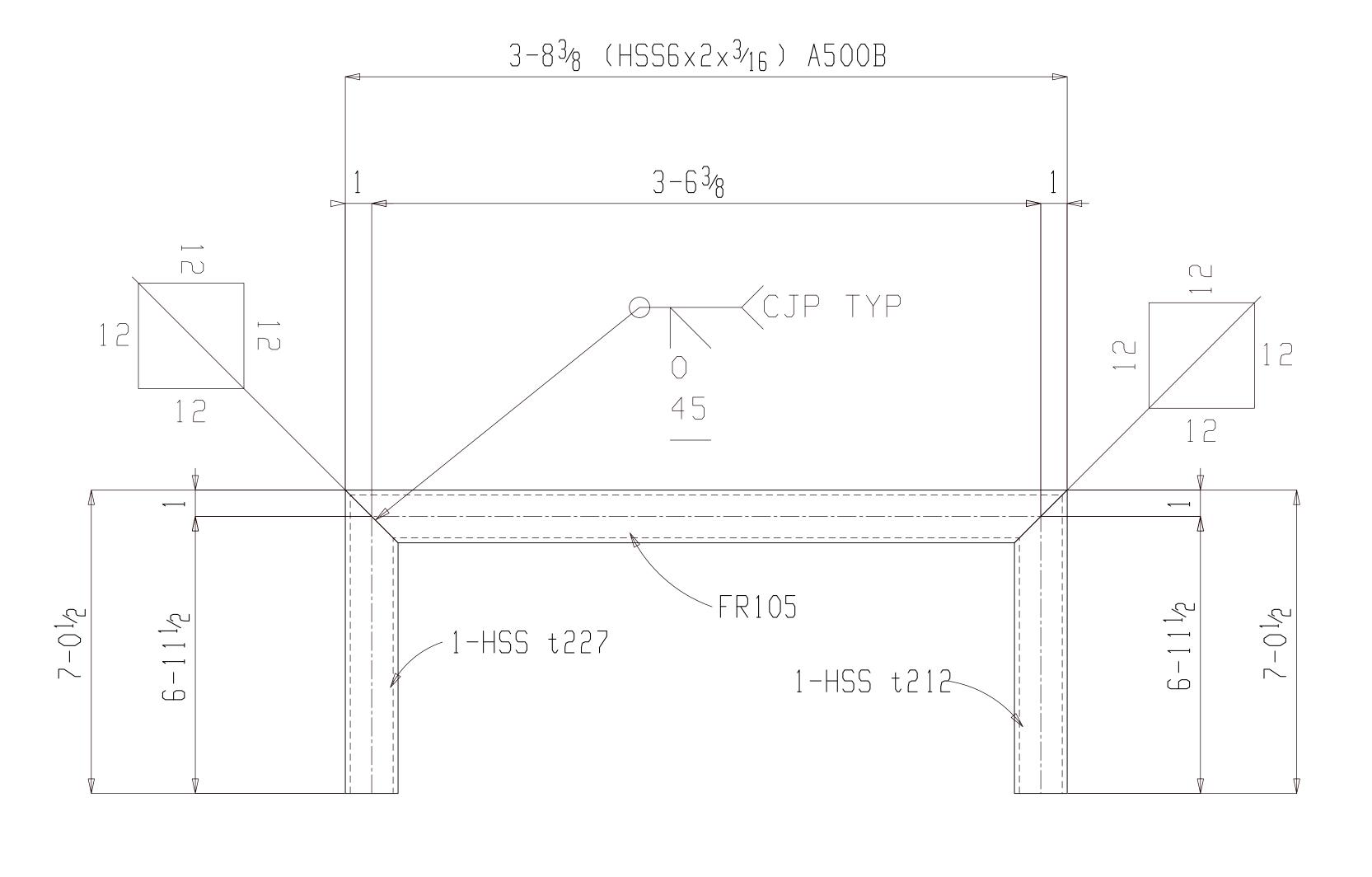
NO PAINT

#### 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 BILL OF MATERIAL REMARKS WEIGHT SHIP PIECE DESCRIPTION REMARKS GRADE DESCRIPTION GRADE WEIGHT MARK MARK FR104 ONE FRAME 177 4 - 83/81 HSS6x2x<sup>3</sup>/<sub>16</sub> FR104 44 1 $HSS6 \times 2 \times \frac{3}{16}$ t214 7-01/2 A500B 66 1 HSS6x2x<sup>3</sup>/<sub>16</sub> t212 7-01/2 66

	FOR	<b>FABRI</b>	CATI	ON
SHOP NOTES:				
DEE DIMO/ODEO				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
For Fabrication			ALN	07-21-22
For Re-Approval			ALN	07-13-22
A 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 UPG	RADE	DR. BY: P	KM CHK	C. BY: ALN
LOCATION: ALASKA		SCALE: N.A.	l	
3 - 3		DATE: 05-26-	22	
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	
DESCRIPTION: FRAME DETAIL		460	FR10	4   🙆



## 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.

## ONE FRAME FR105

(ASSEMBLY REFER: AS101)

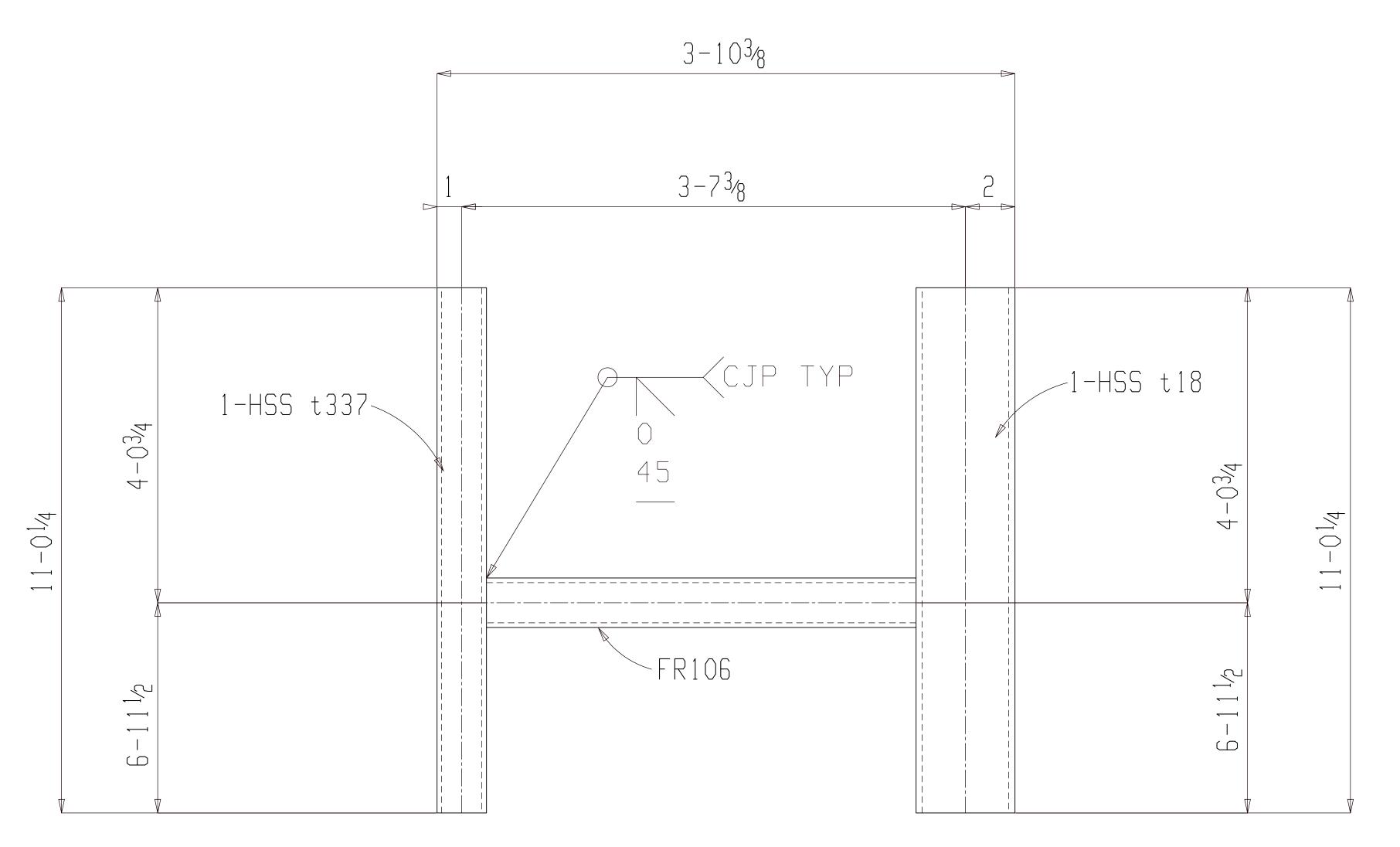
NO PAINT

	BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
FR105		ONE	FRAME				167									
	FR105	1	HSS6×2× <sup>3</sup> / <sub>16</sub>	3-83/8		A500B	35									
	t227	1	HSS6×2× <sup>3</sup> / <sub>16</sub>	7-01/2		A500B	66									
	t212	1	HSS6×2× <sup>3</sup> ⁄ <sub>16</sub>	7-01/2		A500B	66									

## SHOP NOTES:

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

HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26	5-22	
CONTINACTOR.	ALASKA ENERGI AUTHORITI	JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	FRAME DETAIL	460	FR105	0



## 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.

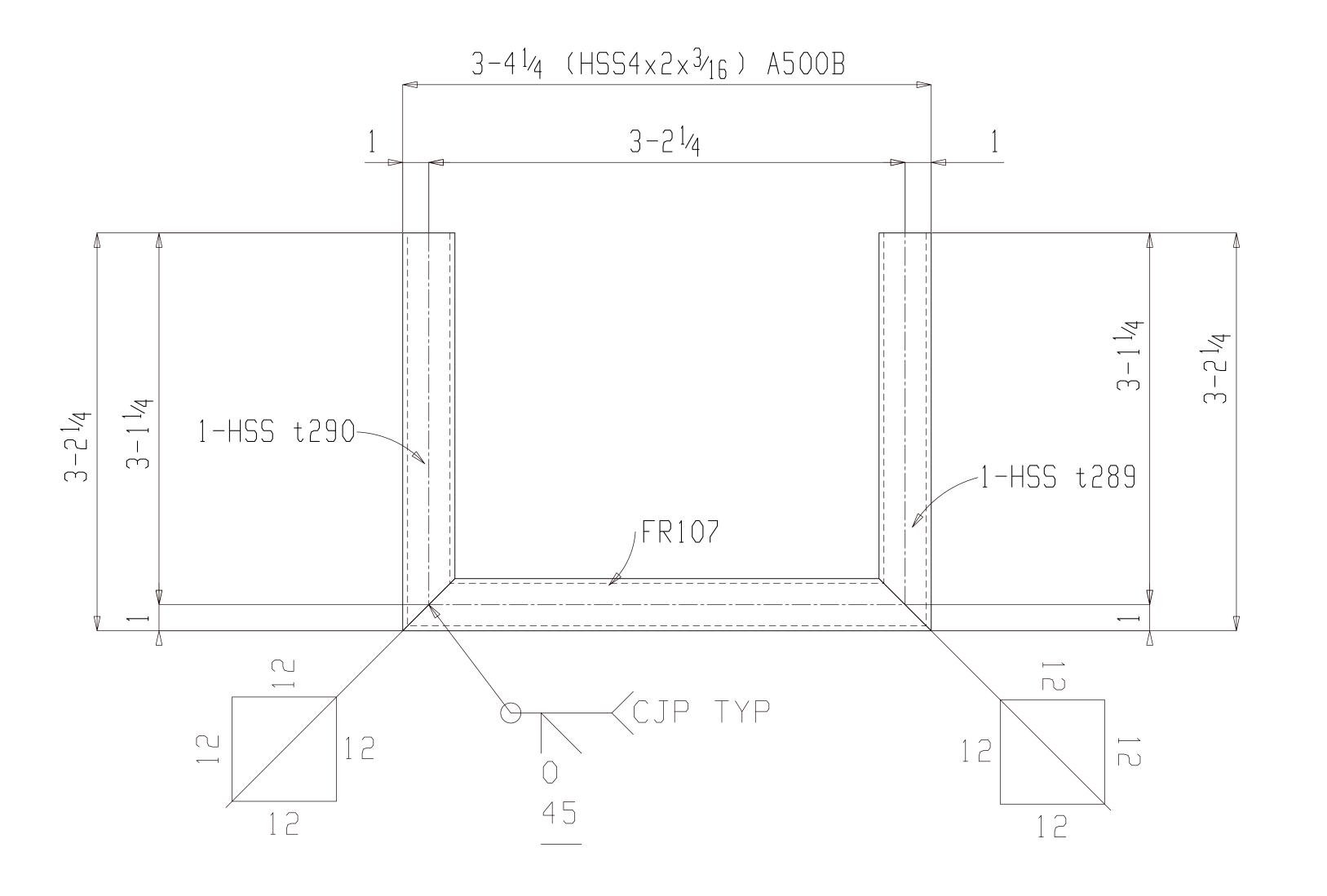
ONE FRAME FR106

(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL  CHER DESCRIPTION LENGTH DEMARKS CRAPE HETO								BILL OF MATERIAL							
SHIP PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK MARK							MARK	MARK								
FR106	ONE	FRAME				233										
FR106	1	HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	3-43/8		A500B	23										
t 18	1	HSS4×4× <sup>1</sup> / <sub>4</sub>	11-01/4		A500B	135										
t337	1	HSS4×2× <sup>3</sup> / <sub>16</sub>	11-01/4		A500B	76										

FOR	FABRI	CATI	ON
SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
For Fabrication		ALN	07-21-22
B For Re-Approval		ALN	07-21-22
A For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK	BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		
	JOB NUMBER	SHEET N	- ^
DESCRIPTION: FRAME DETAIL	460	FR10	6   🙆



## ONE FRAME FR107

(ASSEMBLY REFER: AS101)

NO PAIN

WEIGHT

67

23

22

22

GRADE

A500B

A500B

A500B

SHIP

PIECE

MARK

BILL OF MATERIAL

DESCRIPTION

REMARKS

GRADE

WEIGHT

BILL OF MATERIAL

3-41/4

3-21/4

3-21/4

REMARKS

DESCRIPTION

ONE FRAME

1  $HSS4 \times 2 \times \frac{3}{16}$ 

1  $HSS4 \times 2 \times \frac{3}{16}$ 

1 HSS4×2×<sup>3</sup>⁄<sub>16</sub>

SHIP

FR107

PIECE

MARK

FR107

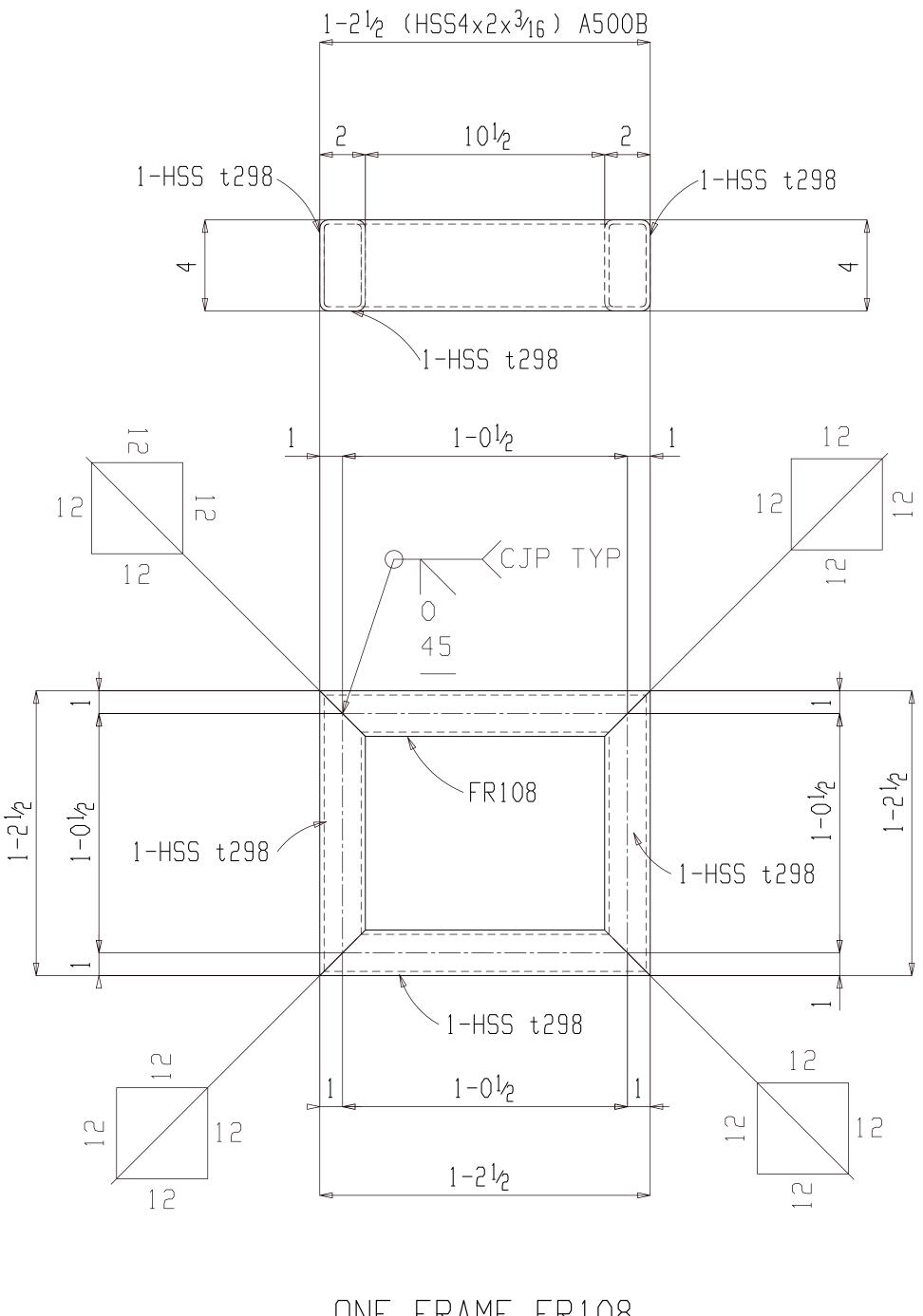
t290

t289

## 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	<b>FABRI</b>	CATI	ON
SH	OP NOTES:				
DEE DIMO/ODEO					
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
for Fabrication				ALN	07-21-22
B For Re-Approval				ALN	07-21-22
A For Approval				ALN	07-06-22
REV. DESCRIPTION				BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT	WELDS:	E70XX	CLEANIN	G:	
	/CTEM LIDCI		DR. BY: F	PKM CHK	K. BY: ALI
JOB NAME: NAPASKIAK POWER SY	SIEW UPGI	NAUE	SCALE: N.A.		. DI. ALI
LOCATION: ALASKA			DATE: 05-26		
CONTRACTOR: ALASKA ENERGY AUTH			3,112. 00.20		
CONTINUE TO THE TENT TO THE	HORITY		JOB NUMBER	SHEET N	IO. RE\



ONE FRAME FR108

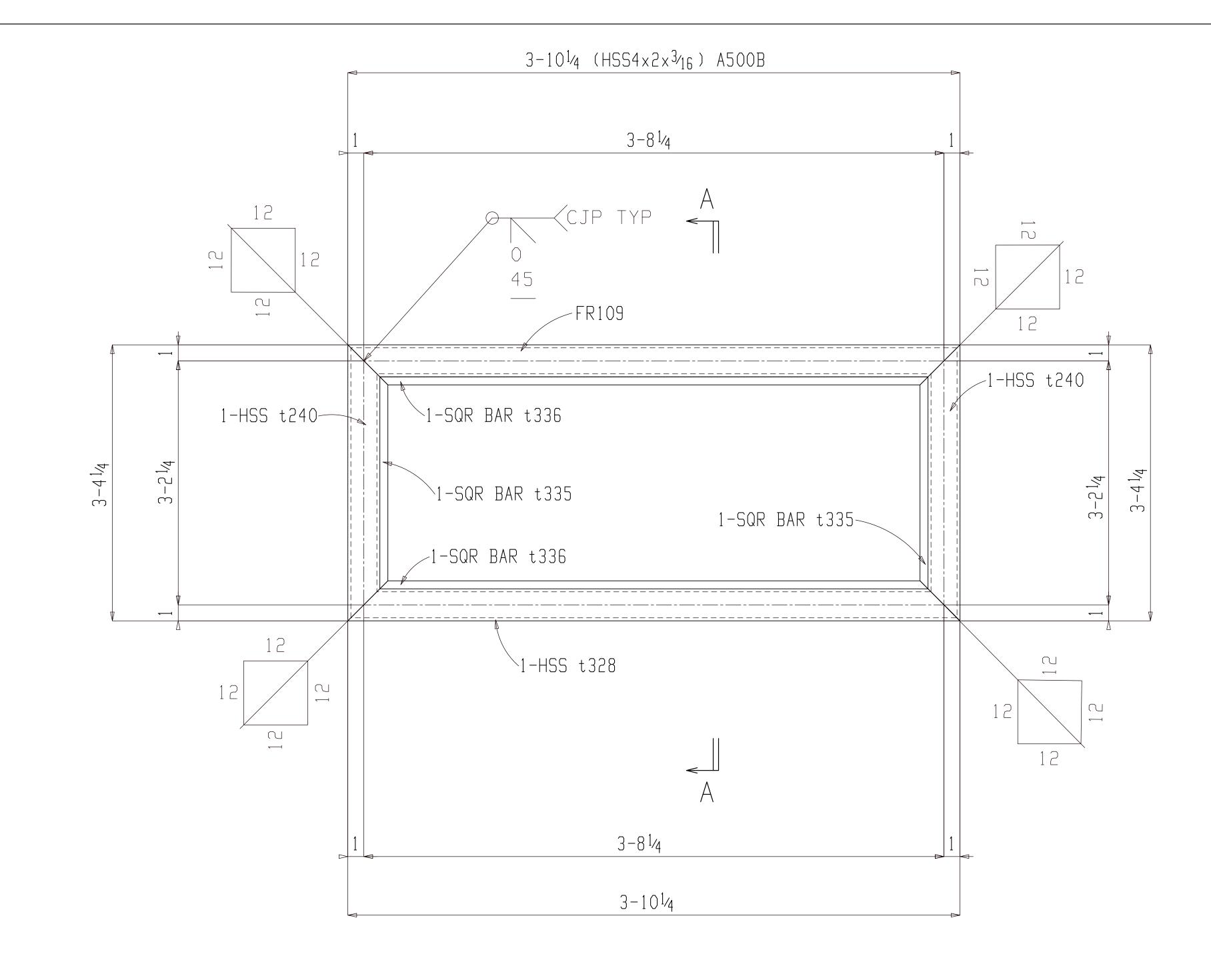
(ASSEMBLY REFER: AS101)

#### BILL OF MATERIAL BILL OF MATERIAL WEIGHT SHIP PIECE DESCRIPTION REMARKS GRADE SHIP DESCRIPTION REMARKS GRADE WEIGHT MARK MARK FR108 ONE FRAME 1 $HSS4 \times 2 \times \frac{3}{16}$ 1-21/2 FR108 A500B 3 HSS4×2×<sup>3</sup>/<sub>16</sub> t298 1-21/2 A500B 25

## SHOP NOTE:

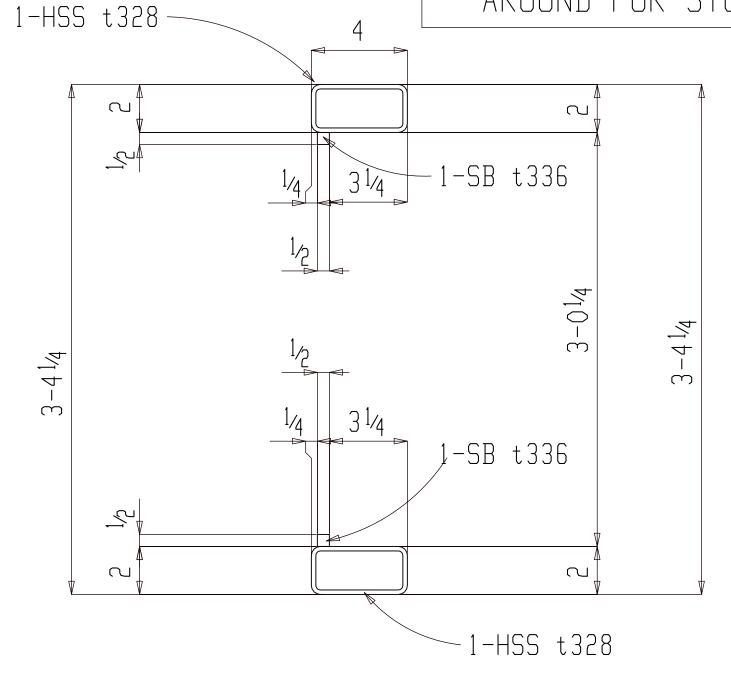
- 1. FABRICATE FRAMED OPENING WITH MITERED CORNERS AND FULL PENETRATION GROOVE WELDS.
- 2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENSIONS INDICATED ON PLANS OR ELEVATIONS.
- 3. GRIND OUT INSIDE OF MITERED CORNERS TO PROVIDE FULL CLEAR OPENING.

			0110	NOTEO:				
			SHUF	P NOTES:				
RFF [	DWG/SPEC :							
	REF. SPEC. / DWO	<del>]</del> ·						
		<u>- · · · · · · · · · · · · · · · · · · ·</u>						
<u> </u>	For Fabrication						ALN	07-21-22
B	For Re-Approva	al					ALN	07-13-22
Â	For Approval						ALN	07-06-22
REV.			DESCRIPTION				BY	DATE
OLES U.	N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANIN	IG:	
	10/16/0							K. BY: ALN
ОВ	NAME:	NAPASKIAK	NO PAINT K POWER SYS				PKM CH	K. BY: ALN
OB OC	NAME: ATION:	NAPASKIAK ALASKA	K POWER SYS	TEM UP		DR. BY: SCALE: N.A.	PKM CH	K. BY: ALN
_OC/	NAME:	NAPASKIAK ALASKA		TEM UP		DR. BY:	PKM CH	



#### 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. ½" STEEL BAR SEAL WELDED TO HSS FRAME ALL AROUND FOR STOP.



Section A-A

## ONE FRAME FR109

(ASSEMBLY REFER: AS101)

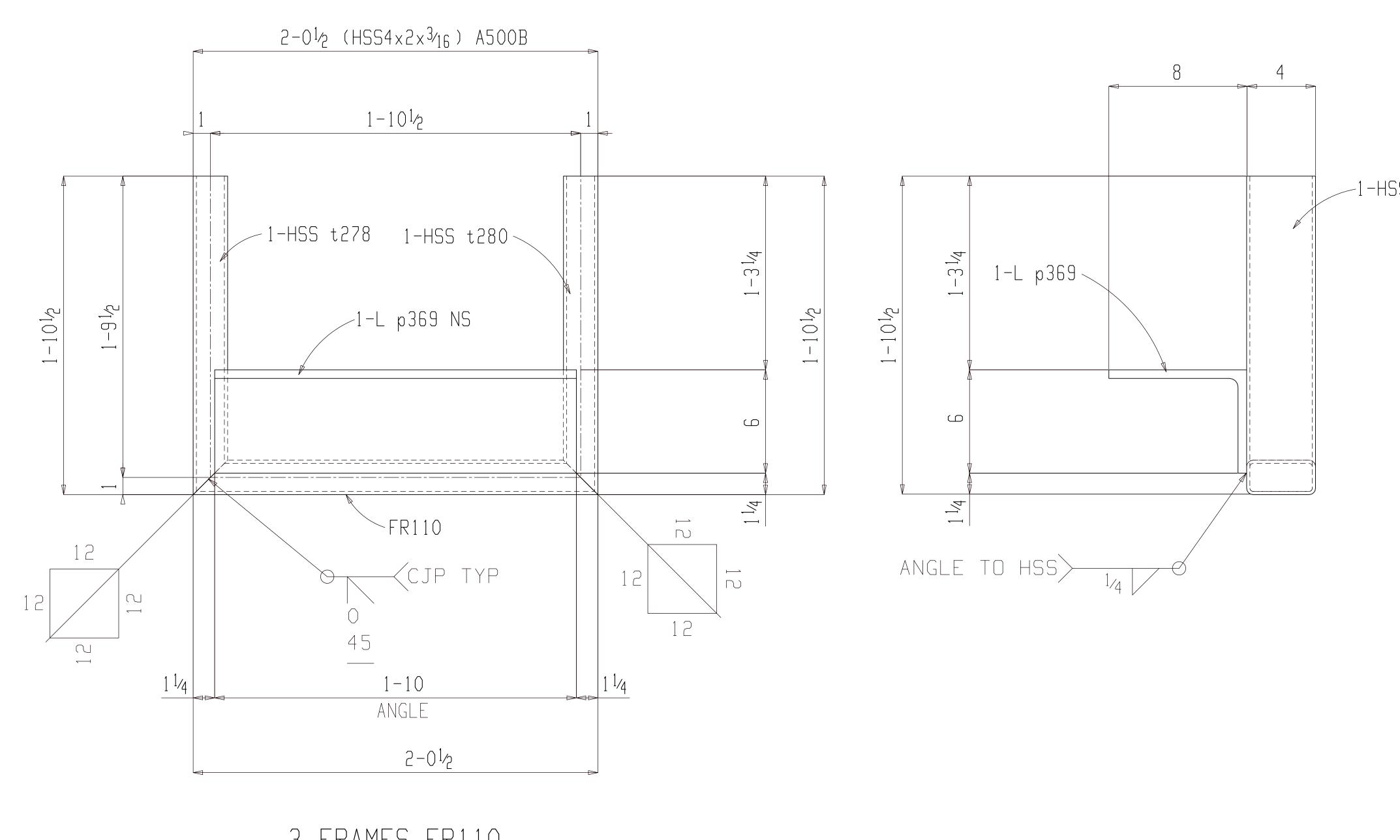
NO PAINT

	BILL OF MATERIAL  TO DIECE OTY DESCRIPTION LENGTH DEMARKS CRADE MET								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
FR109		ONE F	FRAME				110									
	FR109	1	HSS4×2× <sup>3</sup> ⁄16	3-101/4		A500B	26									
	t336	2 (	SB <sup>1</sup> ⁄2	3-61/4		A36	6									
	t335	2 (	SB <sup>1</sup> ⁄2	3-01/4		A36	5									
	t328	1   1	HSS4×2× <sup>3</sup> ⁄16	3-101/4		A500B	26									
	t240	2	HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	3-41/4		A500B	46									

#### FOR FARRICATION

					FOR	FABR	ICATI	ON
			SHOP	NOTES:				
REF. DWG/S								
DEG REF. SF	PEC. / DWG :							
	Fabrication						ALN	07-21-22
	Re-Approval						ALN	07-13-22
	Approval		DECODIDATION				ALN	07-06-22
REV.			DESCRIPTION				BY	DATE
HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	ING:	
JOB NAM		 ADASKIAK	POWER SYS	_ TEM LIPΩ		DR. BY:	PKM CH	K. BY: ALN
			TOVVEILOID		NADE	SCALE: N.A		
LOCATIO		.ASKA				DATE: 05-2		
CONTRA	CTOR: AL	.ASKA ENI	ERGY AUTHO	RITY		JOB NUMBER		IO. REV

DESCRIPTION: FRAME DETAIL



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-HSS t280

3 FRAMES FR110

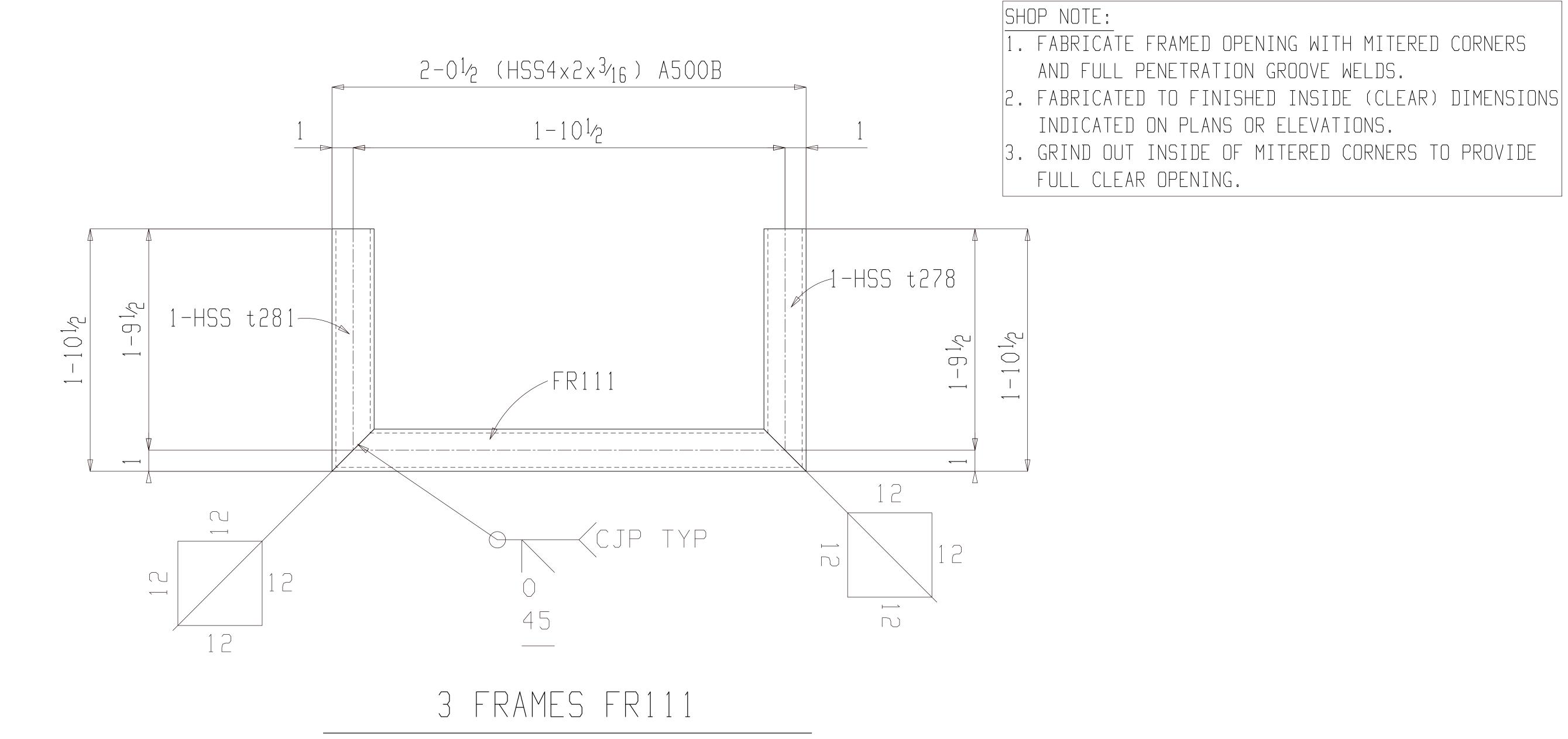
(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL  SHIP PIECE OTY DESCRIPTION LENGTH DEMARKS CRADE WEIGHT										BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
FR110		3	FRAME				246								
	FR110	3	HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	2-01/2		A500B	42								
	р369	3	L8×6×½	1-10		A36	127								
	t280	3	HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	1-101/2		A500B	39								
	t278	3	HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	1-101/2		A500B	39								

#### EOD EADDICATION

						FOR	FA	BK		11/		1
				SH	IOP NOTES:	1						
REF. D	OWG/SPEC :											
DEG R	REF. SPEC. / DWO	<b>3</b> :										
0	For Fabrication	.1								ALN		21-22
B	For Re-Approva	31								ALN		3-22
REV.	For Approval			DESCRIPTION					- 4	ALN BY		)6-22 ATE
									l			
HOLES U.I	N. 13/16Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANIN	NG:			
JOB	NAME:	NAP	ASKIAK	POWER SY	YSTEM L	IPGRADE	DR. E	3Y:	PKM	СНК	. BY:	ALN
	ATION:	ALAS		· OWER			SCAL	E: N.A		1		
					IODITY		DATE	: 05-2	6-22			
CON	TRACTOR:	ALA	SKA ENI	ERGY AUTI	HUKITY		JOB N	IUMBER	S	HEET N	0.	REV
DES(	CRIPTION:	FRA	ME DET	AIL			4	60	F	R11	0	0



(ASSEMBLY REFER: AS101)

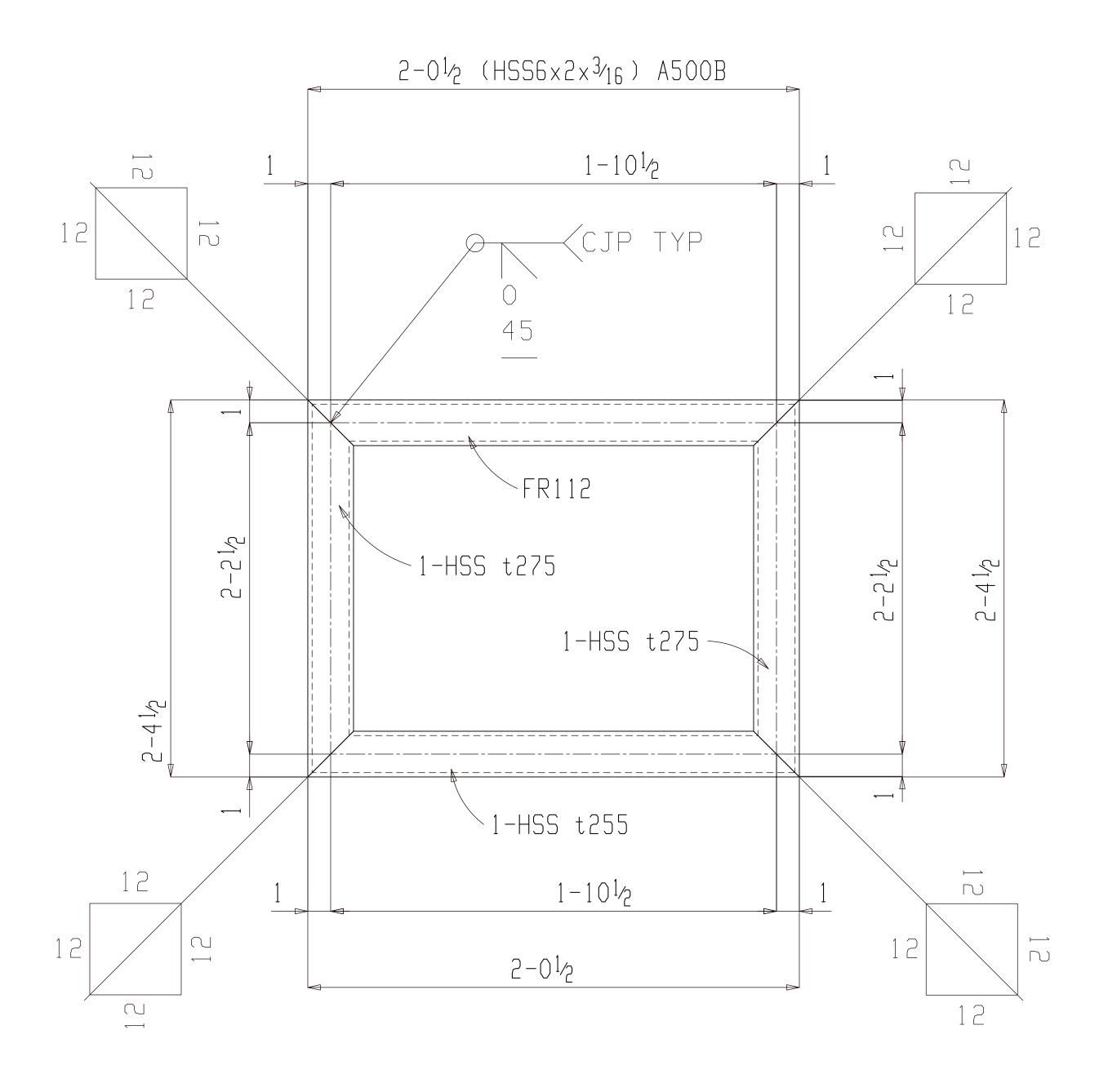
NO PAINT

	BILL OF MATERIAL  DESCRIPTION DEMARKS CRAPE VICTOR							BILL OF MATERIAL							
SHIP PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK MARK						MARK	MARK								
FR111	3 FRAME				119										
FR111	3 HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	2-01/2		A500B	42										
t281	3 HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	1-101/2		A500B	39										
t278	3 HSS4×2× <sup>3</sup> ⁄ <sub>16</sub>	1-101/2		A500B	39										

#### FOR FARRICATION

For Re-Approval ALN 07-13	F. DWG/SPEC : G REF. SPEC. / DWG :  Yes For Fabrication ALN 07-21-22 For Re-Approval ALN 07-13-22 ALN 07-06-22	F'	OR FABRICATION
DEG REF. SPEC. / DWG :         Image: Control of the control of	G REF. SPEC. / DWG :	SHOP NOTES:	
DEG REF. SPEC. / DWG :       Image: Control of the contr	G REF. SPEC. / DWG :		
DEG REF. SPEC. / DWG :         Image: Control of the properties	G REF. SPEC. / DWG :		
DEG REF. SPEC. / DWG :       Image: Control of the contr	G REF. SPEC. / DWG :		
✓         ✓           ♠         For Fabrication           ♠         For Re-Approval           ALN 07-13	✓         For Fabrication         ALN 07-21-22           ✓         For Re-Approval         ALN 07-13-22           ✓         For Approval         ALN 07-06-22	REF. DWG/SPEC :	
For Re-Approval ALN 07-13	For Re-Approval ALN 07-13-22  For Approval ALN 07-06-22	DEG REF. SPEC. / DWG :	
B For Re-Approval ALN 07-13	For Re-Approval ALN 07-13-22  For Approval ALN 07-06-22	A For Ephrication	ALN 07 04 00
	For Approval ALN 07-06-22		
A For Approval ALN 07-06			
			BY DATE
		HOLES U.N. 13/16Ø PAINT NO PAINT WELDS: E70)	CLEANING:
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:	S U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:	JOB NAME: NAPASKIAK POWER SYSTEM UPGRAD	DR. BY: PKM CHK. BY: ALN
NO PAINT E70XX	13/16D NO PAINT E/UXX	LOCATION: ALASKA	SCALE: N.A.
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: SCALE: N.A.	DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN SCALE: N.A.		DATE: 05-26-22
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA ENERGY ALITHORITY  NO PAINT E70XX  DR. BY: PKM CHK. BY: SCALE: N.A. DATE: 05-26-22	DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN SCALE: N.A.  DATE: 05-26-22	CONTRACTOR. ALACIAN LINE TO THORITI	JOB NUMBER SHEET NO. REV

DESCRIPTION: FRAME DETAIL



## 4 FRAMES FR112

(ASSEMBLY REFER: AS101)

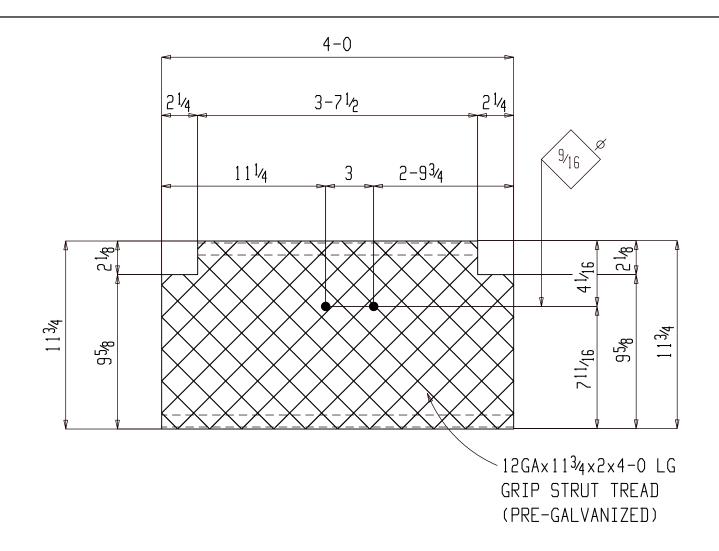
NO PAINT

#### BILL OF MATERIAL BILL OF MATERIAL REMARKS WEIGHT SHIP WEIGHT SHIP PIECE DESCRIPTION GRADE PIECE DESCRIPTION REMARKS GRADE MARK MARK FR112 4 FRAME 333 4 HSS6x2x<sup>3</sup>/<sub>16</sub> 2-01/2 FR112 A500B 77 8 HSS6x2x<sup>3</sup>/<sub>16</sub> t275 2-41/2 A500B 179 4 $HSS6 \times 2 \times \frac{3}{16}$ 2-01/2 A500B 77

## 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.

	SHOP NOTES:	
	SHOP NOTES.	
REF. DWG/SPEC :		
DEG REF. SPEC. / DW	<del>3</del> :	
For Fabrication		ALN 07-21-22
For Re-Approv		ALN 07-13-22
For Approval		ALN 07-06-22
REV.	DESCRIPTION	BY DATE
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70	CLEANING:
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRAD	DE DR. BY: PKM CHK. BY: ALN
	ALASKA	SCALE: N.A.
LOCATION:	ALAGNA	
LOCATION: CONTRACTOR:		DATE: 05-26-22  JOB NUMBER   SHEET NO.   REV



(ASSEMBLY REFER: AS104)

GALVANIZED

			BILL OF N	/ATE	RIAL						BILL OF M	1ATE	RIAL		_
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
GR101		ONE	GRIPSTRUT		(GALV)		68								
	GR101	1	12GAx11 <sup>3</sup> 4x2	4-0			68								

#### FOR FABRICATION SHOP NOTES:

REF. DWG/SPEC:				
DEG REF. SPEC. / DWG:				
$\triangle$				
			l l	ALN 07-21-22
<u>₿</u> For Re-Approval			l l	ALN 07-13-22
A For Approval			l l	ALN 07-06-22
REV.	DESCRIPTION			BY DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. GALVANIZED	WELDS: E70XX	CLEANING: SS	SPC-SP6
JOB NAME: NA	APASKIAK POWER SYSTEM	UPGRADE	DR. BY: PKM	CHK. BY: ALN
	VCKV		SCALE: N.A.	

DATE: 05-26-22

JOB NUMBER SHEET NO.

GR101

460

LOCATION:

DESCRIPTION:

ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

**GRIPSTRUT DETAIL** 

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

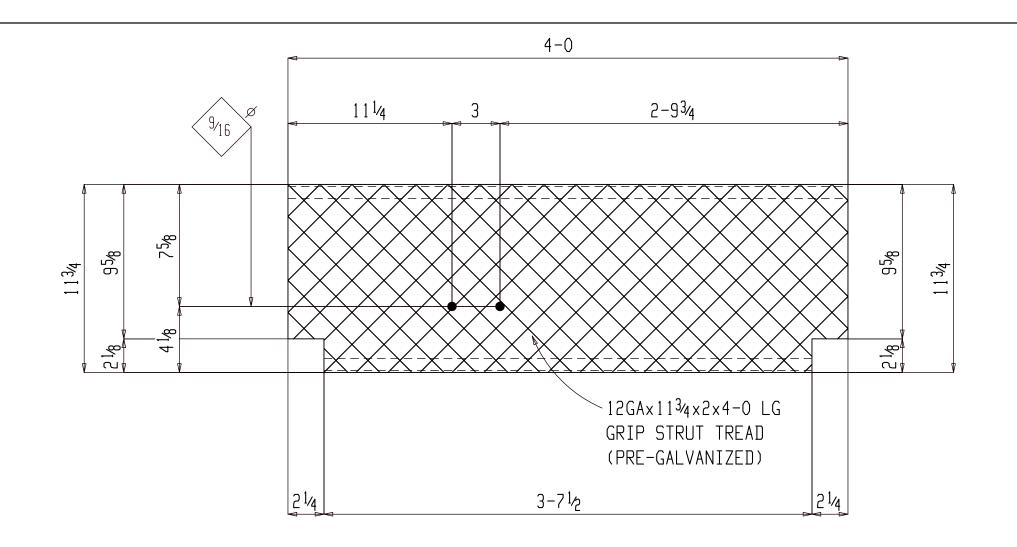
#### 13 GRIPSTRUTS GR102

(ASSEMBLY REFER: AS104 & AS105)

GALVANIZED

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE MARK MARK MARK MARK GR102 13 GRIPSTRUT (GALV) 888 GR102 13 12GAx11<sup>3</sup>4x2 4-0 888

		SHOP N	NOTES:			
REF. DWG/SPEC :						
DEG REF. SPEC. / DWG	:					
$\triangle$						
For Fabrication					ALN	07-21-22
For Re-Approval					ALN	07-13-22
A For Approval					ALN	07-06-22
REV.		DESCRIPTION			BY	DATE
HOLES U.N. 13/40/X	PAINT U.N.		WELDS: F70VV	CLEANIN	G: 00D0	000
HOLES U.N. 13/ <sub>16</sub> Ø	TAINTO.N.	GALVANIZED	WELDS: E70XX	CLEANIN	G: SSPC	-SP6
JOB NAME: N	NAPASKIAK P	OWER SYSTEM	UPGRADE	DR. BY:	PKM CH	K. BY: ALN
LOCATION: A	ALASKA			SCALE: N.A.		
				DATE: 05-26	-22	
CONTRACTOR: A	ALASKA ENER	RGY AUTHORITY		JOB NUMBER	SHEET N	IO. REV
DESCRIPTION: G	GRIPSTRUT D	DETAIL		460	GR10	)2 🙆

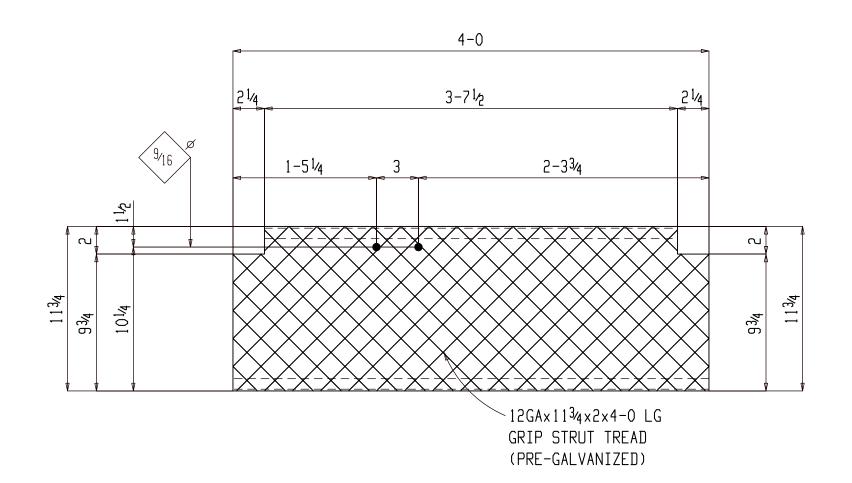


(ASSEMBLY REFER: AS104)

GALVANIZED

		F	BILL OF M	1ATE	RIAL					Е	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
GR103		ONE	GRIPSTRUT		(GALV)		68								
	GR103	1	12GAx11 <sup>3</sup> / <sub>4</sub> x2	4-0			68								

SHOP NOTES:		
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG :		
6 For Fabrication	ALN	07-21-22
For Re-Approval	ALN	07-13-22 07-06-22
For Approval  REV. DESCRIPTION	ALN BY	DATE
	1	
HOLES U.N. 134.600 PAINT U.N. CALLVANIZED WELDS: E7.	CLEANING: CODC	ODC
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. GALVANIZED WELDS: E7	UAA 33FC	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		K. BY: ALN
LOCATION: ALASKA	SCALE: N.A.	
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22  JOB NUMBER   SHEET	NO DEV
DESCRIPTION: GRIPSTRUT DETAIL	460 GR10	03 /0\

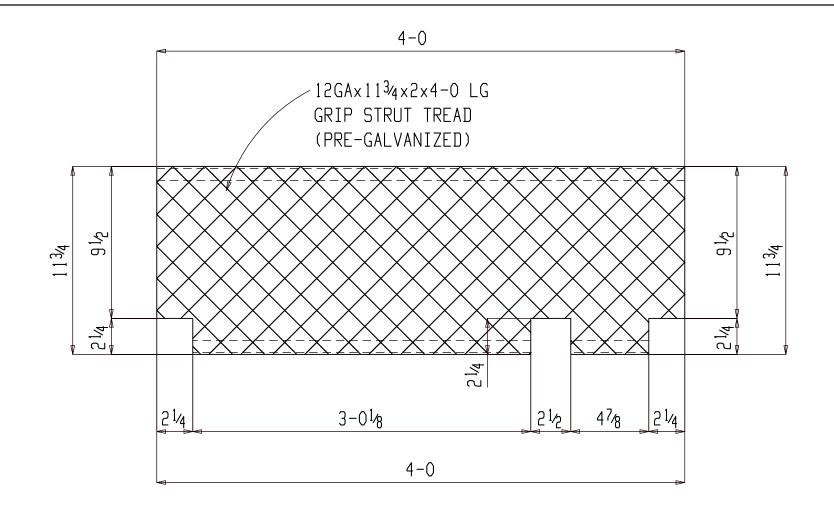


(ASSEMBLY REFER: AS105)

GALVANIZED

			BILL OF N	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
GR104		ONE	GRIPSTRUT		(GALV)		68								
	GR104	1	12GAx11 <sup>3</sup> 4x2	4-0			68								
										·					

	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG	<u> </u>				
DEGITE : OF EO: / BWC	,				
For Fabrication				ALN	07-21-22
For Re-Approva	l			ALN	07-13-22
For Approval REV.	DESCRIPTION			ALN BY	07-06-22 DATE
REV.	DESCRIPTION			D1	DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. GALVANIZED	WELDS: E70XX	CLEANING	SSPC-S	SP6
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE		KM CHK	. BY: ALN
LOCATION:	ALASKA		SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	,	DATE: 05-26-		O DEV
			JOB NUMBER	SHEET N	
DESCRIPTION:	GRIPSTRUT DETAIL		460	GR10	4 0

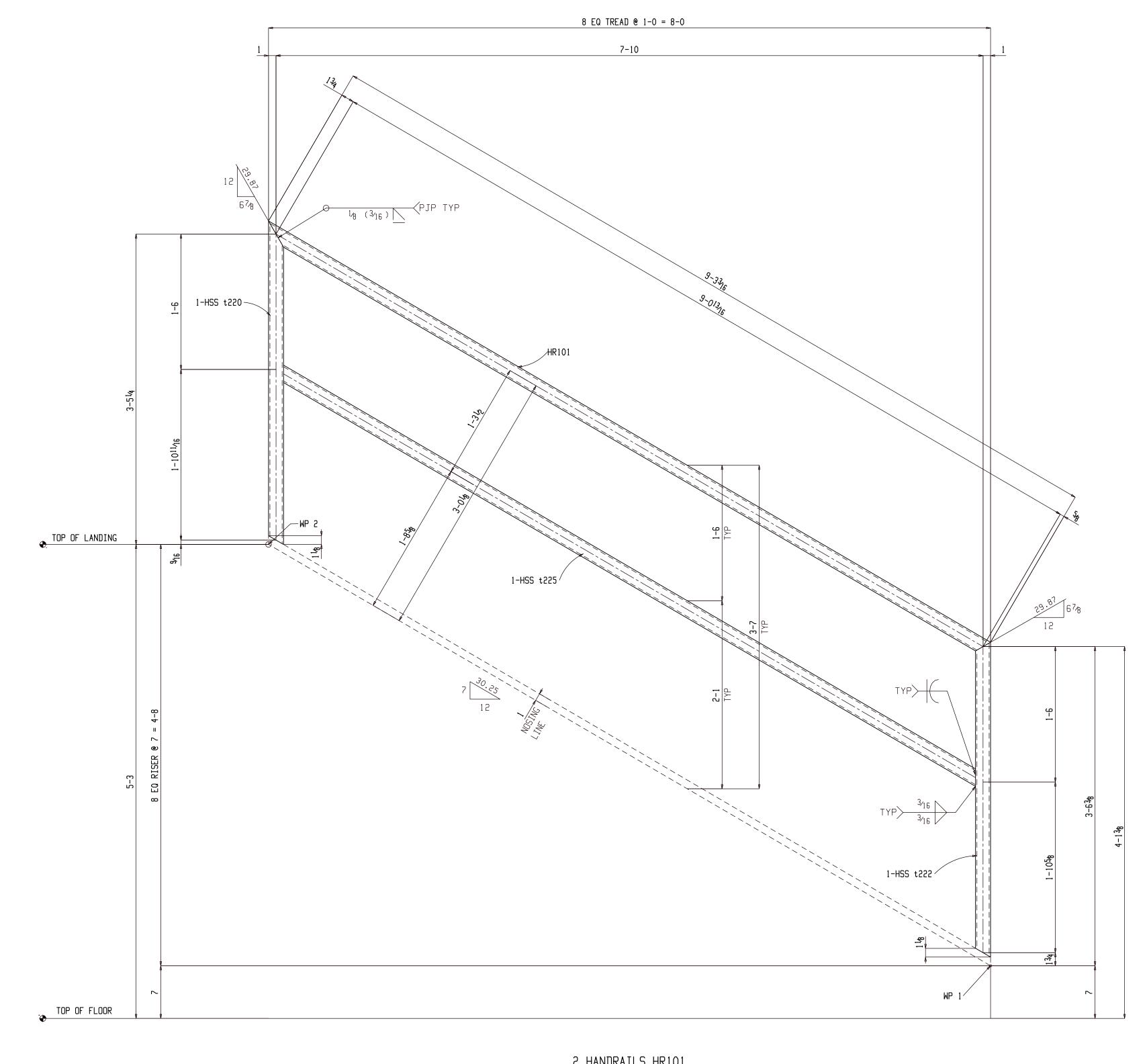


(ASSEMBLY REFER: AS105)

GALVANIZED

		F	BILL OF M	1ATE	RIAL					E	BILL OF M	IATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
GR105		ONE	GRIPSTRUT		(GALV)		68								
	GR105	1	12GAx11 <sup>3</sup> / <sub>4</sub> x2	4-0			68								

	SHOP N	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DV	VG:				
for Fabrication				ALN	07-21-22
For Re-Appro	val			ALN	07-13-22
For Approval	DECORURTION			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: F	KM CHK	.BY: AL
LOCATION:	ALASKA		SCALE: N.A.	•	
			DATE: 05-26	-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	O. RE
DESCRIPTION:	GRIPSTRUT DETAIL		460	GR10	5   🙆
					<u> </u>

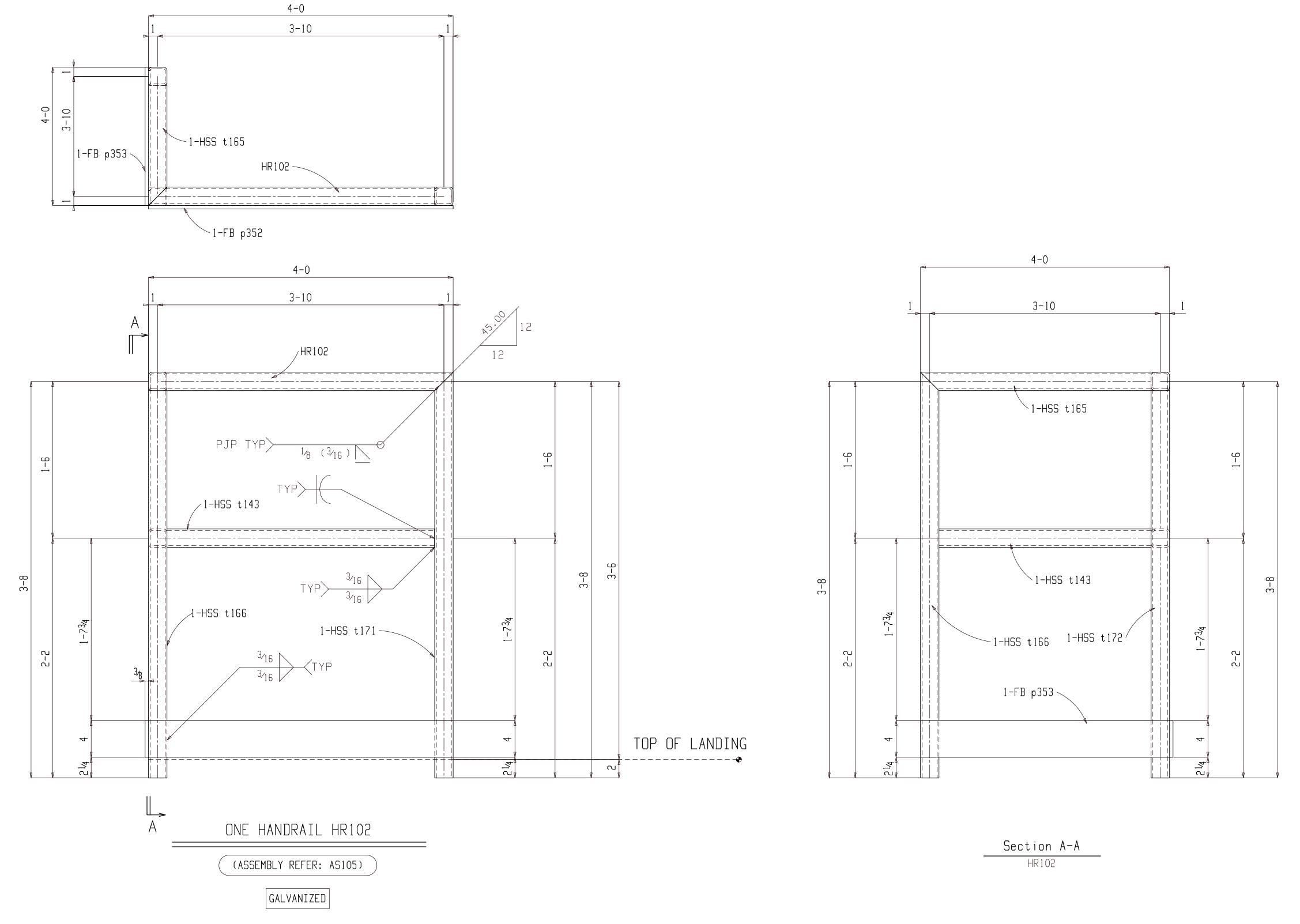


2 HANDRAILS HR101 (ASSEMBLY REFER: AS106)

GALVANIZED

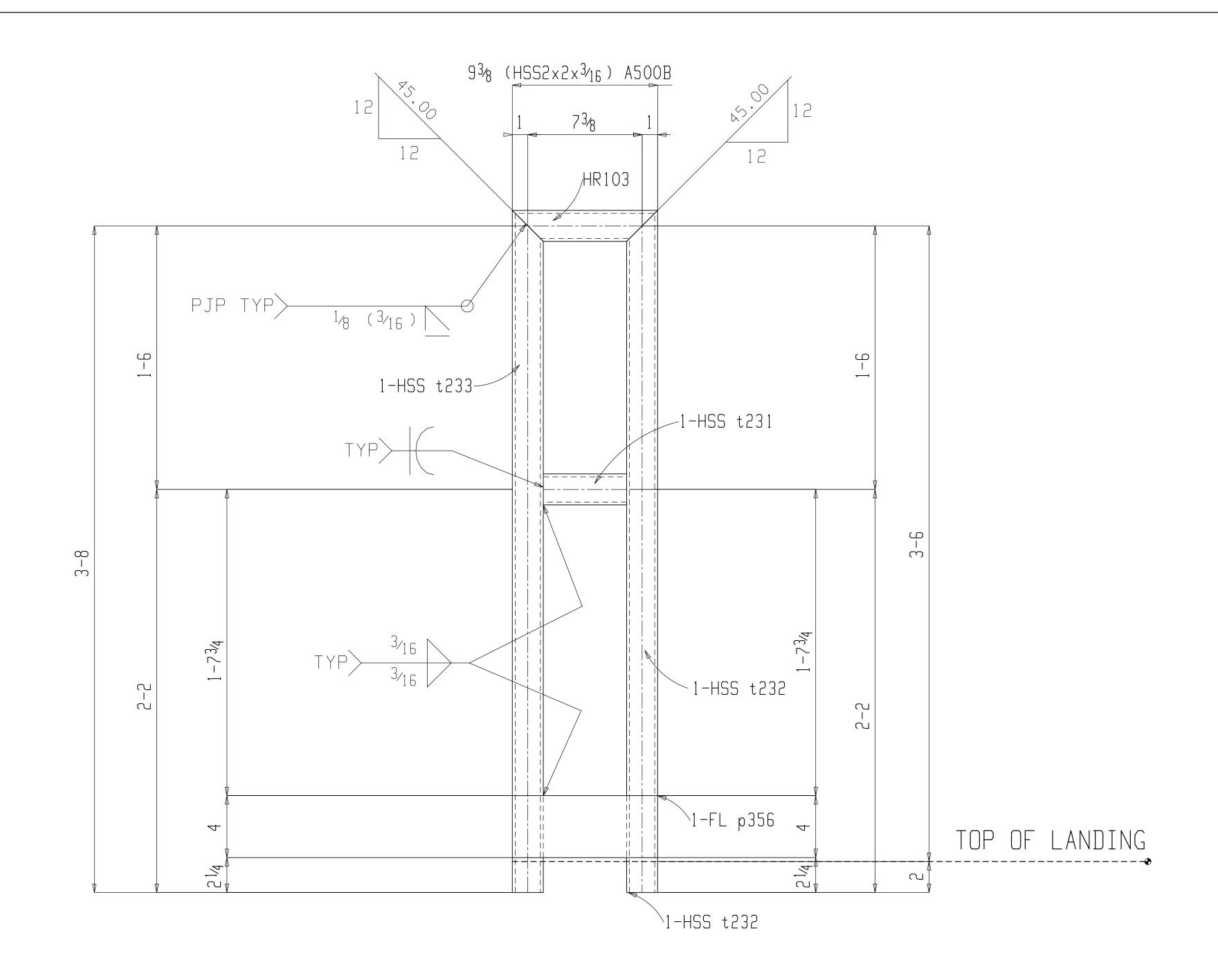
			BILL OF N	1ATERIA							BILL OF I	MATERIA	<b>\L</b>		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
HR101		2	HANDRAIL		(GALV)		219								
Н	HR101	2	HSS2×2× <sup>3</sup> ⁄16	9-31/8		A500B	80								
t	:225	2	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	8-1111/16		A500B	78								
t	:222	2	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	3-513/16		A500B	30								
t	:220	2	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	3-7		A500B	31								

FOR	FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
For Fabrication  For Re-Approval	ALN 07-21-22 ALN 07-13-22
A For Approval	ALN 07-06-22
DESCRIPTION	BY DATE
DLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX	CLEANING: SSPC-SP6
L L	DR. BY: PKM CHK. BY: ALN
OB NAME: NAPASKIAK POWER SYSTEM UPGRADE	SCALE: N.A.
OCATION: ALASKA	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER   SHEET NO.   REV
DESCRIPTION: HANDRAIL DETAIL	460 HR101 🔊



			BILL OF M	1ATERIA				BILL OF MATERIAL									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
HR102		ONE	HANDRAIL		(GALV)		155		p352	1	FB <sup>3</sup> /8×4	4-0		A36	20		
	HR102	1	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	4-0		A500B	17										
	t172	1	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	3-7		A500B	15										
	t171	1	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	3-9		A500B	16										
	t166	1	HSS2×2׳⁄16	3-8		A500B	16										
	t165	1	HSS2x2x <sup>3</sup> / <sub>16</sub>	4-0		A500B	17										
	t143	2	HSS2×2× <sup>3</sup> ⁄16	3-8		A500B	32										
	p353	1	FB <sup>3</sup> /8×4	4-0		A36	20										

FOR	FABRICATION
SHOP NOTES:	
REF. DWG/SPEC : DEG REF. SPEC. / DWG :	
DEG REF. SPEC. / DWG .	
6 For Fabrication	ALN 07-21-22
For Re-Approval	ALN 07-13-22
A 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
	JOB NUMBER SHEET NO. REV
DESCRIPTION: HANDRAIL DETAIL	460   HR102   <u>6</u>



## ONE HANDRAIL HR103

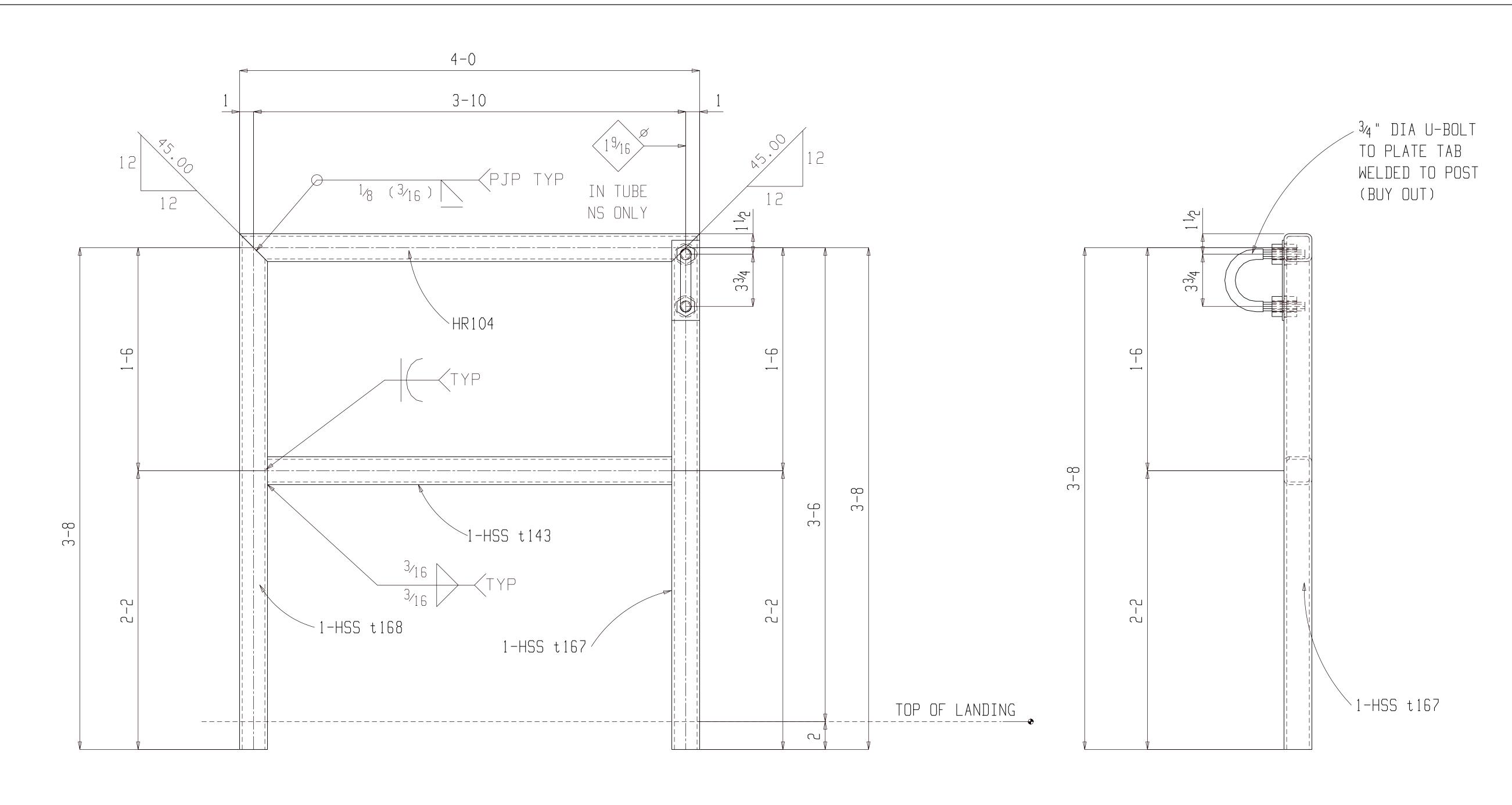
(ASSEMBLY REFER: AS105)

GALVANIZED

		BILL OF N	MATERIA	<b>L</b>			BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
HR103		ONE I	HANDRAIL		(GALV)		42								
	HR103	1 1	HSS2x2x <sup>3</sup> /16	93/8		A500B	3								
	t233	1 1	HSS2x2x <sup>3</sup> /16	3-9		A500B	16								
	t232	1	HSS2×2× <sup>3</sup> / <sub>16</sub>	3-9		A500B	16								
	t231	1	HSS2×2× <sup>3</sup> / <sub>16</sub>	53/8		A500B	2								
	p356	1	$-B_{8} \times 4$	93/8		A36	4								

#### 

		FOR FABR	CATI	ON
		SHOP NOTES:		
DEE	NAC/0050			
	DWG/SPEC :			
	REF. SPEC. / DWG	:		
<u> </u>	For Fabrication		ALN	07-21-22
B	For Re-Approval		ALN	07-21-22
Â	For Approval		ALN	07-06-22
REV.		DESCRIPTION	BY	DATE
HOLES U.1	N 131 <b>~</b>	PAINT U.N. CALVANIZED WELDS: EZOVV CLEANIN	IG: CCDC (	200
10000.1	<sup>N.</sup> 13/ <sub>16</sub> Ø	GALVANIZED E70XX	3376-3	
JOB	NAME:	MAI AGNIANT GWEN GTOTEW OF GRADE		(. BY: ALN
LOCA	ATION:	ALASKA SCALE: N.A.		
	TRACTOR:	ALASKA ENERCY ALITHORITY DATE: 05-20		10
		OOD NOIMBER	SHEET N	
DES(	CRIPTION:	HANDRAIL DETAIL 460	HR10	)3   🙆



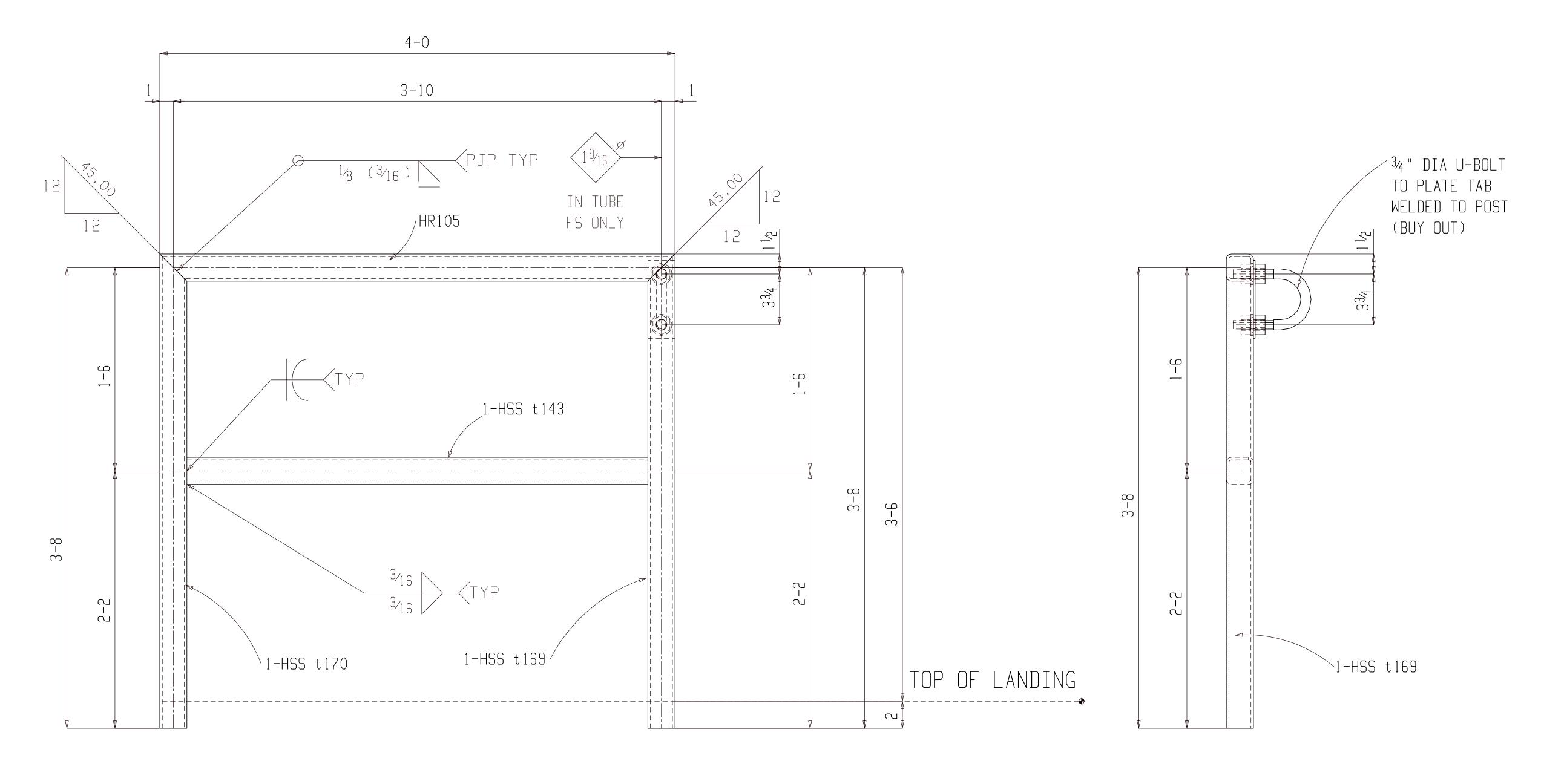
ONE HANDRAIL HR104

(ASSEMBLY REFER: AS104)

GALVANIZED

			BILL OF M	1ATERIA	۱L			BILL OF MATERIAL							
SHIP	PIECE	QTY DE	SCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
HR104		ONE HANDRA	AIL		(GALV)		66								
	HR104	1 HSS2×2	2× <sup>3</sup> /16	4-0		A500B	17								
	t168	1 HSS2×2	2× <sup>3</sup> /16	3-9		A500B	16								
	t167	1 HSS2×2	2× <sup>3</sup> /16	3-9		A500B	16								
	t143	1 HSS2×2	2× <sup>3</sup> /16	3-8		A500B	16								
		1   3/4 " Di	a U-BOLT		(BUY OUT)										

FOR FABI	RICATI	ON
SHOP NOTES:		
REF. DWG/SPEC : DEG REF. SPEC. / DWG :		
Solution For Fabrication	ALN	07-21-22
B For Re-Approval	ALN	07-13-22
A For Approval	ALN	07-06-22
REV. DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLE	ANING: SSPC-	SP6
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY:	PKM CH	K. BY: ALN
LOCATION: ALASKA	۱.A.	
DATE: 0	5-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY  JOB NUMB	ER SHEET I	NO. REV
DESCRIPTION: HANDRAIL DETAIL 460	HR10	)4   🙆



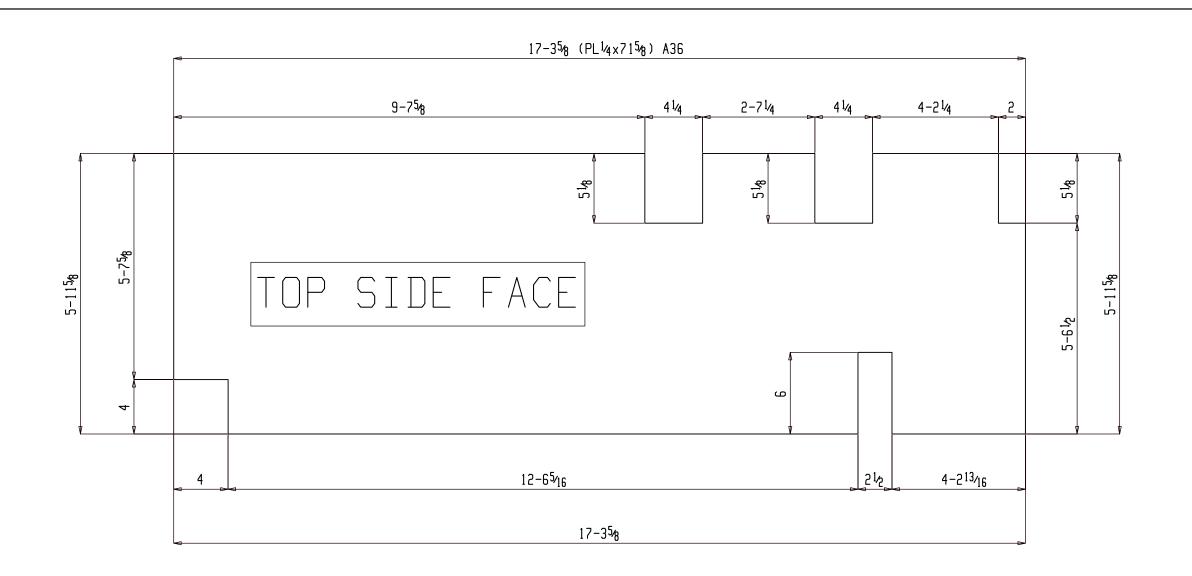
ONE HANDRAIL HR105

(ASSEMBLY REFER: AS104)

GALVANIZED

SHIP PIECE  MARK MARK  HR105	QTY	DESCRIPTION	LENGTH REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
	ONE												
HR 1 05	UNE					MARK	MARK						
	UINL	HANDRAIL	(GALV)		66								
HR105	1	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	4-0	A500B	17								
t170	1	HSS2×2× <sup>3</sup> ⁄ <sub>16</sub>	3-9	A500B	16								
t169	1	HSS2×2× <sup>3</sup> ⁄16	3-9	A500B	16								
t143	1	HSS2×2× <sup>3</sup> ⁄16	3-8	A500B	16								
	1	3/4" Dia U-BOLT	(BUY OUT)										

FOR FABRIC	CATI	ON
SHOP NOTES:		
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG:		
DEGINEL. SI EG. / DWG.		
For Fabrication	ALN	07-21-22
B For Re-Approval	ALN	07-13-22
A For Approval	ALN	07-06-22
REV. DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS: E70XX CLEANING:	SSPC-S	SP6
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKI	M CHK	a. BY: ALN
LOCATION: ALASKA SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY ALITHORITY		
JOB NOWBER	SHEET N	
DESCRIPTION: HANDRAIL DETAIL 460	HR10	5 /0



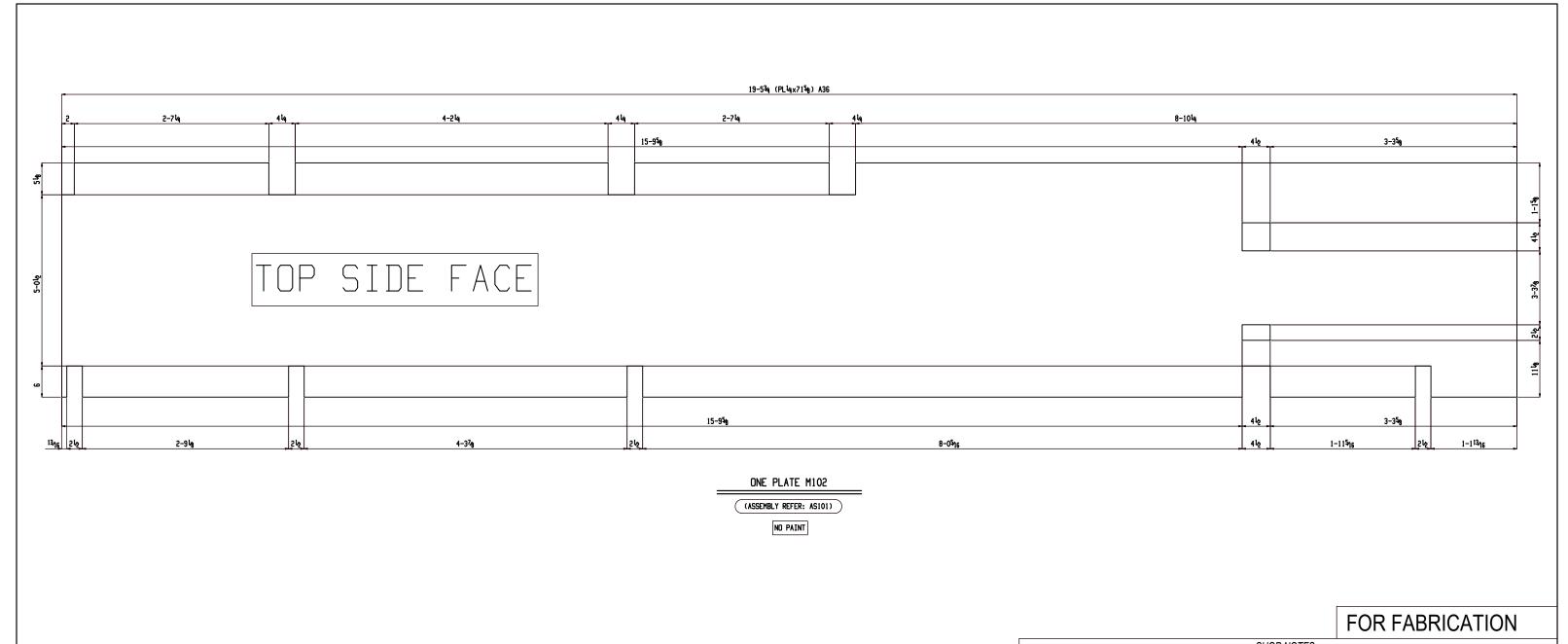
#### ONE PLATE M101

(ASSEMBLY REFER: AS101)

NO PAINT

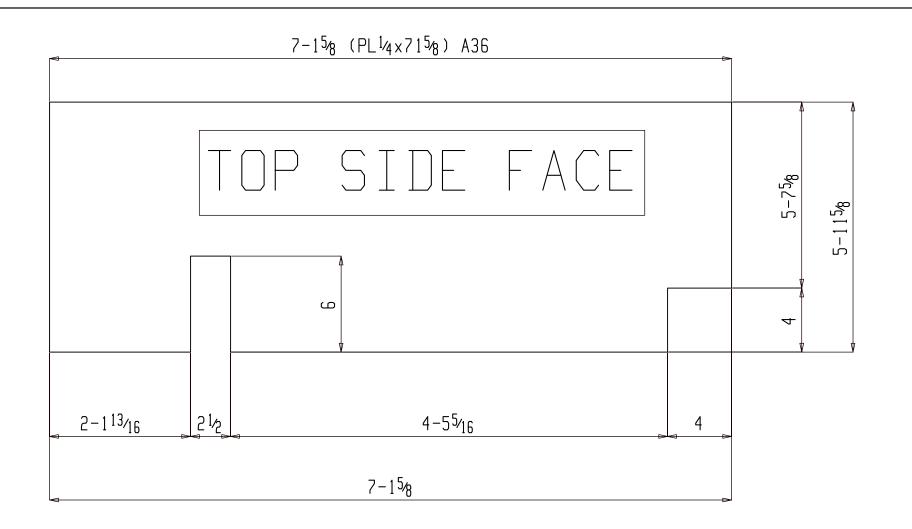
			BILL OF M	1ATE	RIAL				BILL OF MATERIAL						
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M101		ONE	PLATE				1054								
	M101	1	PL1 <sub>4</sub> x715/8	17-35/8		A36	1054								

	FOF	R FABRIC	ATIC	N
SHO	OP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
For Fabrication			ALN	07-21-22
6 For Re-Approval			ALN	07-21-22
A 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 SYSTE	M UPGRADE	DR. BY: PI	KM CHK	BY: ALN
LOCATION: ALASKA		SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHOR	ITV	DATE: 05-26-		
	11.1	JOB NUMBER	SHEET N	
DESCRIPTION: MISC. DETAIL		460	M10 <sup>2</sup>	



	BILL OF MATERIAL									BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M102		ONE	PLATE				1187										
	M102	1	PL <sup>1</sup> / <sub>4</sub> x71 <sup>5</sup> / <sub>8</sub>	19-53/4		A36	1187										

		SHOP N	NOTES:								
REF. DWG/SPEC :											
DEG REF. SPEC. / DV	NG ·										
DLG KLI . SFLO. / DV	vG .										
6 For Fabrication	n							ALN	07-2	1-22	
B For Re-Appro	val							ALN	07-1	3-22	
A For Approval								ALN	07-0	-	
REV.		DESCRIPTION						BY	DATE		
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANIN	G:				
	NA DA OKIAK D	OWER SYSTEM				)V· I	DKM	CUK	DV.	٨١	
JOB NAME:	DR. BY: PKM CHK. BY: ALN										
LOCATION:	SCALE: N.A.  DATE: 05-26-22										
CONTRACTOR:	ALASKA ENEF	RGY AUTHORITY				UMBER		SHEET NO.		RI	
DESCRIPTION: MISC. DETAIL								M102 🙆			



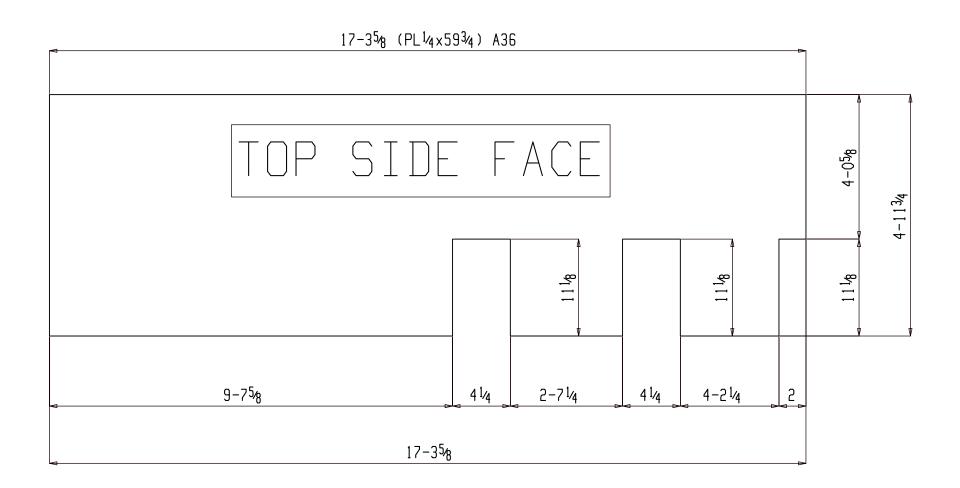
#### ONE PLATE M103

(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL						BILL OF MATERIAL									
ć	SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE WEIGHT SHIP PIECE QTY DESCRIPTION LENGTH REMARKS G										GRADE	WEIGHT				
M	1ARK	MARK							MARK	MARK						
M1	03		ONE	PLATE				435								
		M103	1	PL1 <sub>4</sub> x715 <sub>8</sub>	7-15/8		A36	435								

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC DEG REF. SPEC. / DWG: © B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M103 MISC. DETAIL



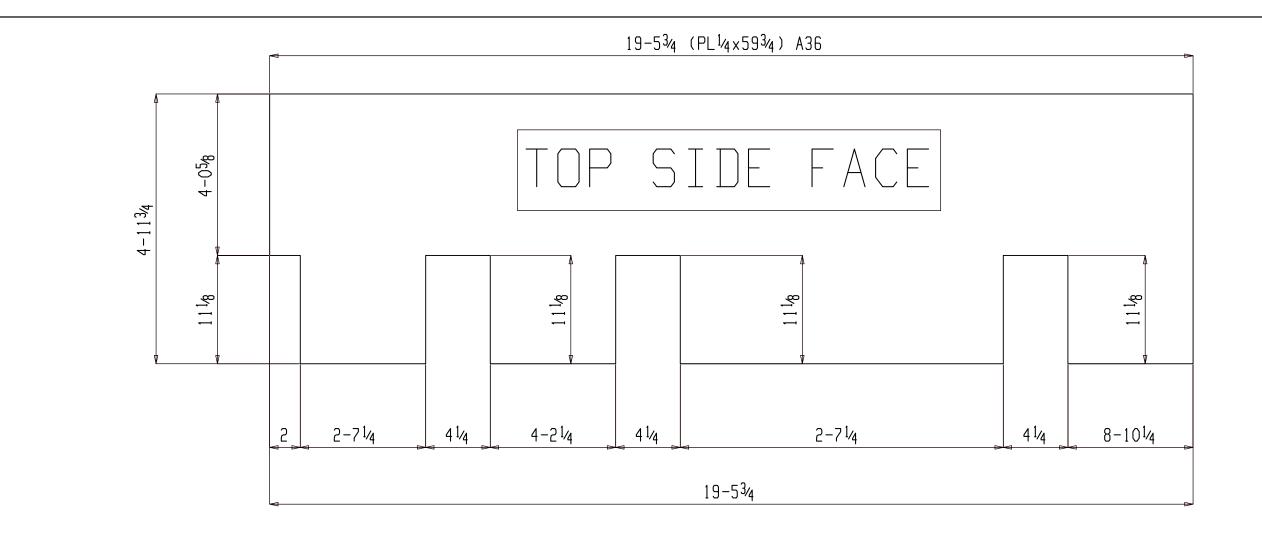
#### ONE PLATE M104

(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL						BILL OF MATERIAL									
SHIP	SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE WEIGHT								PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M104		ONE	PLATE				879									
	M104	1	PL <sup>1</sup> / <sub>4</sub> x59 <sup>3</sup> / <sub>4</sub>	17-35/8		A36	879									

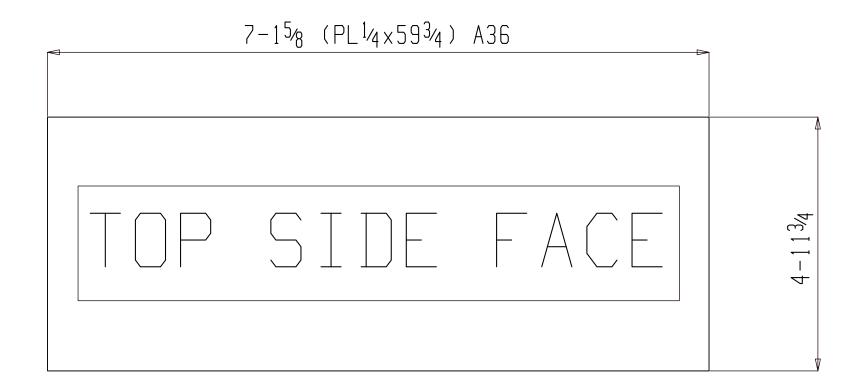
	FOR I	-AE	KIC	AIIC	)N			
	SHOP N	IOTES:						
REF. DWG/SPEC :								
DEG REF. SPEC. / DWG :								
For Fabrication						ALN		21-22
For Re-Approval						ALN		3-22
A For Approval REV.	DESCRIPTION					ALN BY		)6-22 ATE
NEV.	DESCRIPTION					DI	DF	110
IOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING	:		
JOB NAME: NAPASKIAK PO		DR. BY: PKM CHK. BY: ALN						
LOCATION: ALASKA		SCALE: N.A.						
CONTRACTOR: ALASKA ENER			: 05-26-	22 SHEET I	10 1	REV		
DESCRIPTION: MISC. DETAIL				JOB NU	30 30	M10		/0\
							•	



(ASSEMBLY REFER: AS101)

		F	BILL OF M	1ATE	RIAL					Е	BILL OF M	IATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M105		ONE	PLATE				990								
	M105	1	PL <sup>1</sup> / <sub>4</sub> x59 <sup>3</sup> / <sub>4</sub>	19-53/4		A36	990								

				FOR	FABF	RICA	TION	
		SHOP N	IOTES:					
REF. DWG/SPEC :								
DEG REF. SPEC. / DV	VG :							
A Fan Fah da atta							ALAL O	7 04 00
For Fabrication								7-21-22
For Re-Appro  A For Approval								7-13-22 7-06-22
REV. For Approval		DESCRIPTION					BY BY	DATE
11211						ļ.	J.	D,
HOLES U.N. 13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLE	ANING:		
JOB NAME:	NAPASKIAK P	OWER SYSTEM	UPGRADI	Ξ	DR. BY:	PKM	CHK. B	Y: ALN
LOCATION:	ALASKA				SCALE: I	N.A.		
CONTRACTOR:		RGY AUTHORITY			DATE: 0			
					JOB NUME		HEET NO.	REV
DESCRIPTION:	MISC. DETAIL				460		M105	/0\

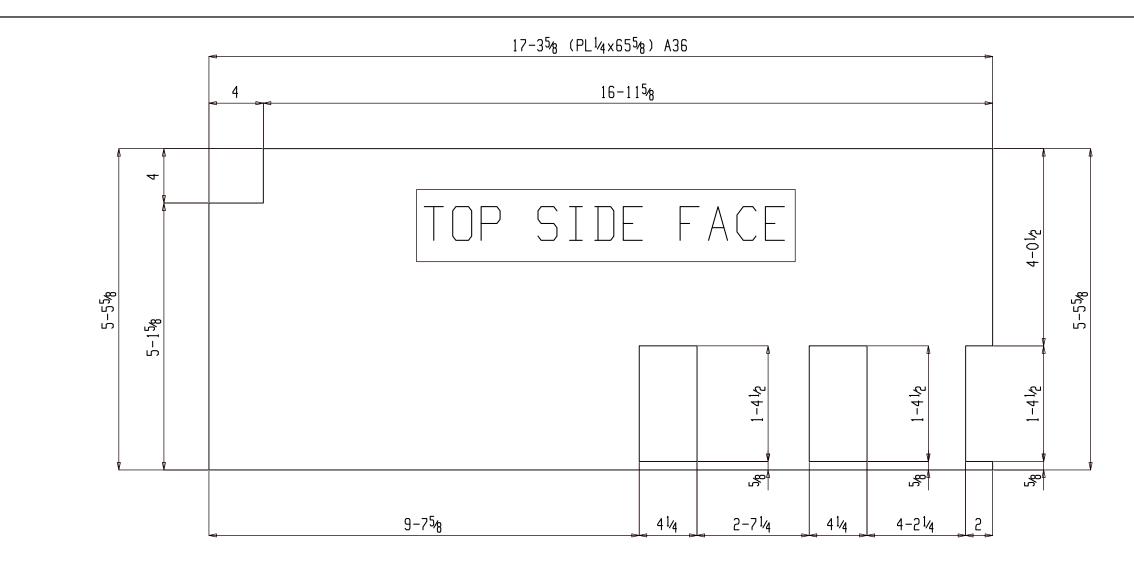


(ASSEMBLY REFER : AS101)

NO PAINT

		E	BILL OF M	1ATE	RIAL					E	BILL OF M	IATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M106		ONE	PLATE				363								
	M106	1	PL <sup>1</sup> / <sub>4</sub> x59 <sup>3</sup> / <sub>4</sub>	7-15/8		A36	363								

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication B A REV. ALN 07-13-22 For Re-Approval ALN 07-06-22 For Approval DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL 460 M106



(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	/ATE	RIAL					F	BILL OF M	<b>IATE</b>	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M107		ONE	PLATE				966								
	M107	1	PL <sup>1</sup> 4×65 <sup>5</sup> /8	17-35/8		A36	966								
	·	·								·					

SHOP NOTES:		
REF. DWG/SPEC:		
DEG REF. SPEC. / DWG:		
$\triangle$		
For Fabrication	ALN	07-21-22
For Re-Approval	ALN	07-13-22
A For Approval	ALN	07-06-22
REV. DESCRIPTION	BY	DATE

NO PAINT

NAPASKIAK POWER SYSTEM UPGRADE

HOLES U.N.

JOB NAME: LOCATION:

DESCRIPTION:

13/<sub>16</sub>Ø

ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

MISC. DETAIL

FOR FABRICATION

CLEANING:

460

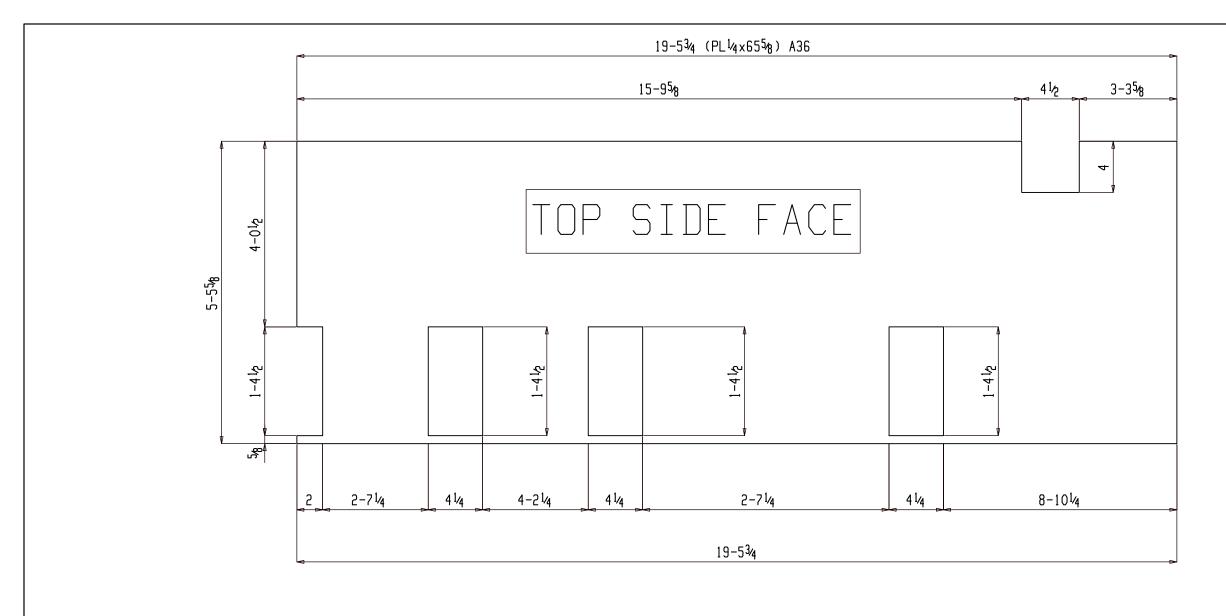
DR. BY: PKM CHK. BY: ALN SCALE: N.A.

M107

DATE: 05-26-22

JOB NUMBER SHEET NO.

E70XX



(ASSEMBLY REFER: AS101)

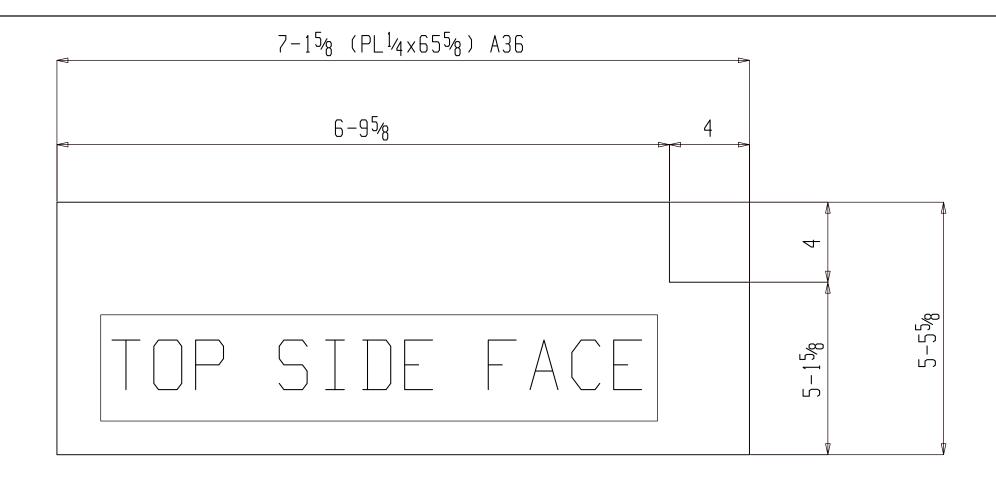
NO PAINT

		·	BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M108		ONE	PLATE				1087			·					
	M108	1	PL <sup>1</sup> / <sub>4</sub> x65 <sup>5</sup> / <sub>8</sub>	19-53/4		A36	1087								

# FOR FABRICATION

REF. DWG/SPEC:	
DEG REF. SPEC. / DWG:	
⚠ For Fabrication ALN 07-21-2	22
For Re-Approval ALN 07-13-2	22
ALN 07-06-2	22
REV. DESCRIPTION BY DATE	<u> </u>
HOLES U.N. 13/16Ø PAINT WELDS: E70XX CLEANING:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: A	LN
LOCATION: ALASKA SCALE: N.A.	
DATE: 05-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY  JOB NUMBER SHEET NO. F	REV
DESCRIPTION: MISC. DETAIL 460 M108	$\bigcirc$

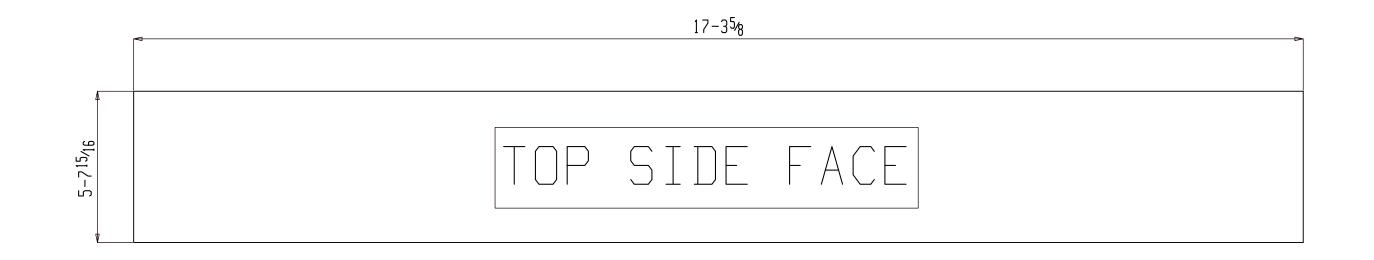
SHOP NOTES:



(ASSEMBLY REFER : AS101)

			E	BILL OF M	1ATEI	RIAL					E	BILL OF M	1ATE	RIAL		
SH	IP PI	IECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MA	RK M	1ARK							MARK	MARK						
M109	3		ONE	PLATE				398								
	M10	09	1	PL <sup>1</sup> / <sub>4</sub> x65 <sup>5</sup> / <sub>8</sub>	7-15/8		A36	398								

	FOR F	ABRIC	10ITA	1
SHOP NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
				.=
For Fabrication				07-21-22
For Re-Approval  For Approval				07-13-22 07-06-22
REV. DESCRIPTION			BY	DATE
				·
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS:	E70XX	CLEANING:		
JOB NAME: NAPASKIAK POWER SYSTEM UPGRAD	E	DR. BY: P	KM CHK. E	BY: ALN
LOCATION: ALASKA		SCALE: N.A.	'	
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-2		
		JOB NUMBER	SHEET NO.	REV
DESCRIPTION: MISC. DETAIL		460	M109	



(ASSEMBLY REFER: AS101)

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH PIECE QTY DESCRIPTION LENGTH GRADE GRADE PIECE SHIP REMARKS MARK MARK MARK ONE PLATE 299 M110 1 PL14GAx67<sup>15</sup>/<sub>16</sub> 299 17-35⁄8 M110

				SHOP I	NOTES:						
	DWG/SPEC :										
DEG F	REF. SPEC. / DW	/G :									
$\triangle$											
<u> </u>	For Fabrication								ALN		21-22
B	For Re-Approv	/al							ALN		3-22
A	For Approval			DECODIDATION					ALN		06-22
REV.				DESCRIPTION					BY	DF	ATE
HOLES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	IING:			
JOB I	NAME:	NAPA	SKIAK PO	OWER SYSTEM	UPGRAD	E	DR. BY:	PKM	CHK	. BY:	ALN
	ATION:	ALAS		- · · · · · · ·			SCALE: N.	Α.			
				0) / 41   THOSE   TH			DATE: 05-	26-22			
CON	TRACTOR:	ALAS	KA ENER	GY AUTHORITY			JOB NUMBER	R S	HEET N	0.	REV
DESC	CRIPTION:	MISC.	DETAIL				460		M110	)	$\wedge$

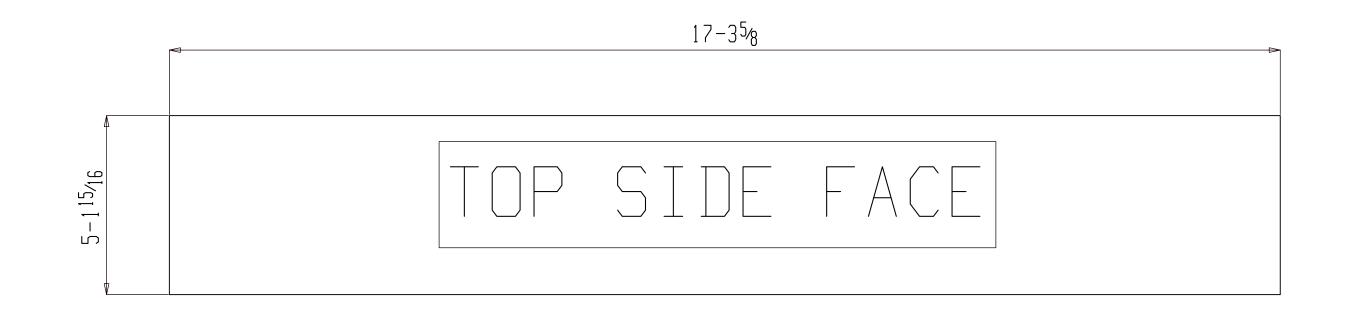
FOR FABRICATION



(ASSEMBLY REFER: AS101)

			BILL OF N	<b>ИАТЕ</b> І	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M111		ONE	PLATE				263								
	M111	1	PL14GAx59 <sup>3</sup> / <sub>4</sub>	17-35/8			263								

					FOR	LAB	KICA	ATIC	Л <b>Л</b>
			SHOP I	√OTES:					
REE D	WG/SPEC :								
	EF. SPEC. / DW	G :							
	For Fabrication	•						ALN	07-21-2
B	For Re-Approv	al						ALN	07-13-2
A	For Approval		DECODIPTION .					ALN	07-06-2
REV.			DESCRIPTION					BY	DATE
	<sup>1.</sup> 13/16Ø		PAINT U.N. NO PAINT	WELDS:	E70XX		CLEANING:		
HOLES U.N	· 10 <b>2</b>		SKIAK POWER SYSTEM			DR. B	Y: PKM	I CHK	. ВY: А
	I A N A E ·	NINDN				D. V. D		. 10111	
JOB N	IAME:		-	OI OIVIDI	_	SCALE	F: N.A.		
JOB N	TION:	ALAS	KA		_		E: N.A. · 05-26-22		
JOB N		ALAS	-		_		05-26-22	SHEET N	10. F

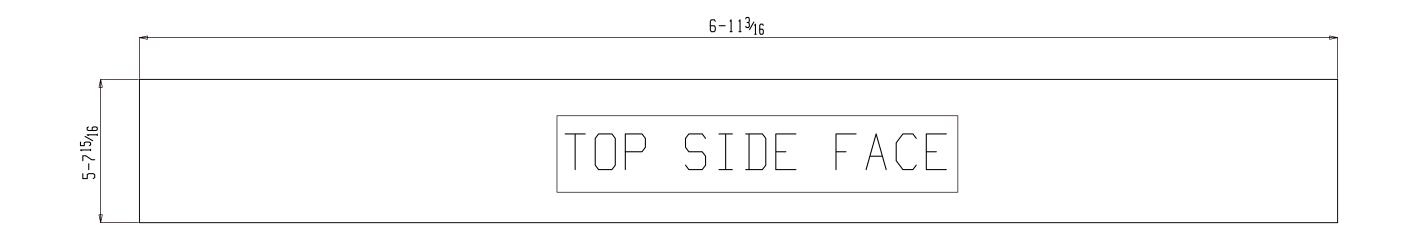


(ASSEMBLY REFER: AS101)

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** PIECE QTY DESCRIPTION LENGTH GRADE WEIGHT SHIP PIECE QTY DESCRIPTION REMARKS GRADE WEIGHT REMARKS LENGTH MARK MARK MARK MARK ONE PLATE M112 272 1 PL14GAx61<sup>15</sup>/<sub>16</sub> 272 17-35/8 M112

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication B A REV. ALN 07-13-22 For Re-Approval ALN 07-06-22 For Approval DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M112



(ASSEMBLY REFER: AS101)

NO PAINT

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

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 ALN 07-06-22 For Approval DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M113



(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M114		ONE	PLATE				296								
	M114	1	PL14GAx59 <sup>3</sup> / <sub>4</sub>	19-53/4			296								

	SHOP	NOTES:		
REF. DWG/SPEC :				
DEG REF. SPEC. / DV	'G :			
A For Followski				ALNI 07.04.00
For Fabrication  B For Re-Appro				ALN 07-21-22 ALN 07-13-22
A For Approval	ш			ALN 07-06-22
REV.	DESCRIPTION			BY DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING	B:
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY: P	CHK. BY: ALN
LOCATION:	ALASKA		SCALE: N.A.	
CONTRACTOR:	ALASKA ENERGY AUTHORIT	Υ	DATE: 05-26-	-22 SHEET NO.   REV
DESCRIPTION:	MISC. DETAIL	·	460	M114 0

FOR FABRICATION

19-53/4 TOP SIDE FACE

ONE PLATE M115

(ASSEMBLY REFER: AS101)

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE MARK MARK MARK MARK ONE PLATE M115 307 1 PL14GAx61<sup>15</sup>/<sub>16</sub> 19-53/4 307 M115

# REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE

JOB NAME:

LOCATION:

CONTRACTOR:

DESCRIPTION:

ALASKA

MISC. DETAIL

ALASKA ENERGY AUTHORITY

SHOP NOTES:

FOR FABRICATION

SCALE: N.A.

460

DATE: 05-26-22

M115

7-15% (PL14GAx67<sup>15</sup>/<sub>16</sub>)

TOP SIDE FACE

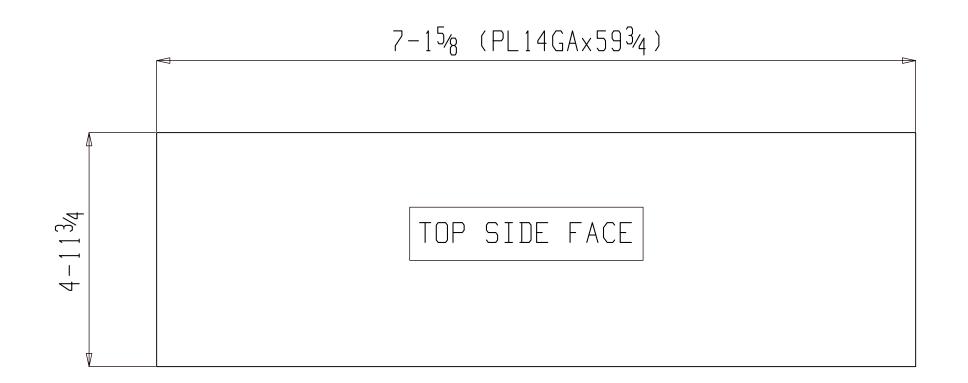
ONE PLATE M116

(ASSEMBLY REFER: AS101)

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP MARK MARK MARK MARK ONE PLATE 123 M116 1 PL14GAx67<sup>15</sup>/16 7-15/8 123 M116

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M116

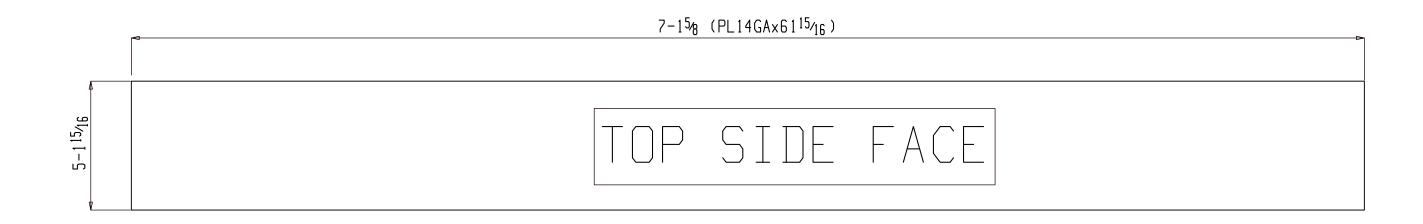


(ASSEMBLY REFER: AS101)

NO PAINT

		F	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHI	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAR	K MARK							MARK	MARK						
M117		ONE	PLATE				108								
	M117	1	PL14GAx59 <sup>3</sup> / <sub>4</sub>	7-15/8			108								

# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 For Re-Approval For Approval DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M117



(ASSEMBLY REFER: AS101)

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP MARK MARK MARK MARK ONE PLATE 112 M118 1 PL14GAx61<sup>15</sup>/<sub>16</sub> 7-15/8 112 M118

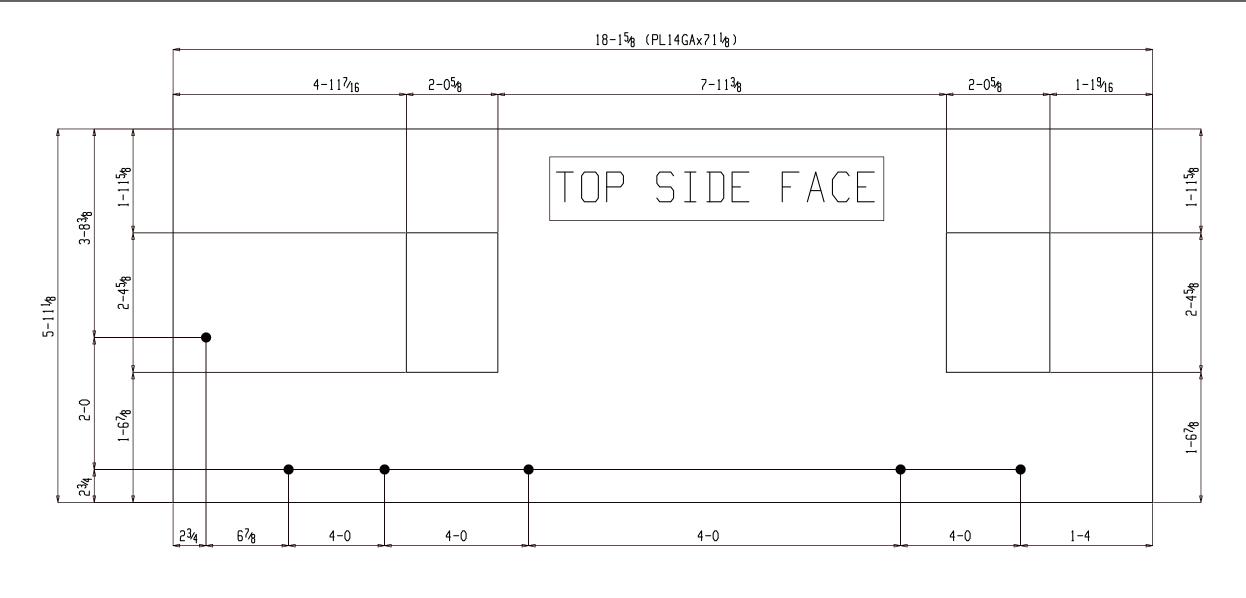
### SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION:

MISC. DETAIL

FOR FABRICATION

M118



(ASSEMBLY REFER: AS101)

NO PAINT

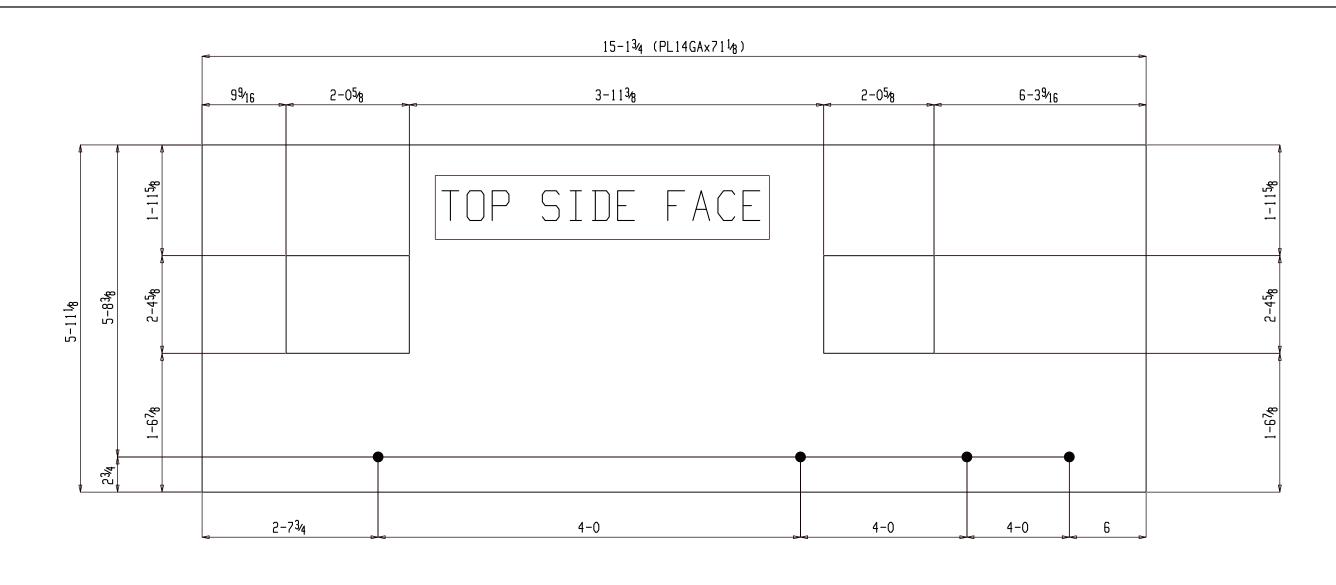
			BILL OF N	ИАТЕ	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M119		ONE	PLATE				328								
	M119	1	PL14GAx71 <sup>1</sup> /8	18-15/8			328								

# FOR FABRICATION

REF. [	DWG/SPEC :		
DEG F	REF. SPEC. / DWG :		
$\triangle$			
$\triangle$	For Fabrication	ALN	07-21-22
B	For Re-Approval	ALN	N 07-13-22
Â	For Approval	ALN	07-06-22
REV.	DESCRIPTI	ON BY	DATE

SHOP NOTES:

HOLES U.N.	13/ <sub>16</sub> Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANII	NG:		
JOB NAM	ЛЕ:	NAPA	SKIAK P	OWER SYSTEM	UPGRADI	E	DR. BY:	PKM	CHK. BY:	ALN
LOCATIO	DN:	ALAS	KA				SCALE: N.A			
CONTRA		,,,		RGY AUTHORITY	,		DATE: 05-2	6-22		
CONTRA	ACTOR.	ALASI	NA EINER	KGT AUTHURIT			JOB NUMBER	S	HEET NO.	REV
DESCRI	PTION:	MISC.	DETAIL				460		M119	$\bigcirc$



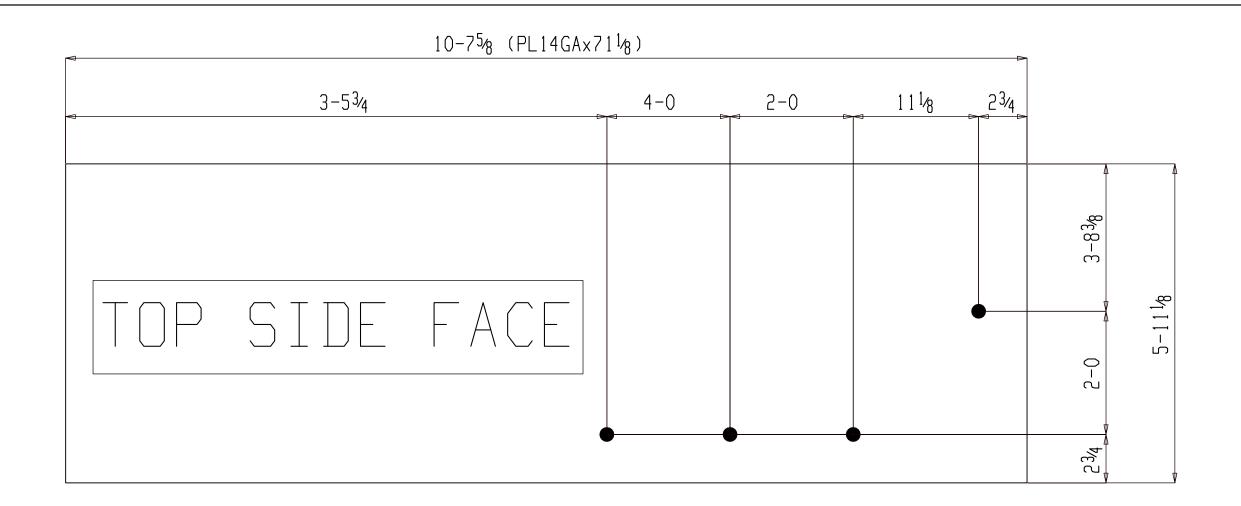
(ASSEMBLY REFER:AS101)

NO PAINT

			BILL OF N	4ATEI	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M120		ONE	PLATE				274								
	M120	1	PL14GAx71 <sup>1</sup> /8	15-13/4			274								

				SHOP N	IOTES:								╛
													]
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													]
REF. DW	/G/SPEC :												1
DEG REI	F. SPEC. / DW	G :											1
$\triangle$													]
	For Fabrication								1	ALN	07-2	1-22	
	For Re-Approv	al							-	ALN	07-1		1
A	For Approval									ALN	07-0		1
REV.				DESCRIPTION						BY	DA	TE_	┨
													l
													l
													l
IOLES U.N.	12, ~	PAINT	UN	NO DAINT	WELDS:	E70)()(		CLEANING	G.				┨
IOLLO U.IV.	<sup>13</sup> / <sub>16</sub> Ø		0	NO PAINT		E70XX							1
JOB NA	AME:	NAPASKI	AK PC	WER SYSTEM	JPGRAD	DE	DR. B		PKM	CHK.	BY:	ALN	
OCAT	ION:	ALASKA					SCAL	E: N.A.					
	RACTOR:	VIVCKV	ENIED	GY AUTHORITY				: 05-26					
				GI AUTHURIT				JMBER		HEET NO		REV	$\frac{1}{2}$
DESCR	RIPTION:	MISC. DE	TAIL				4	60		M120		/0\	

FOR FABRICATION

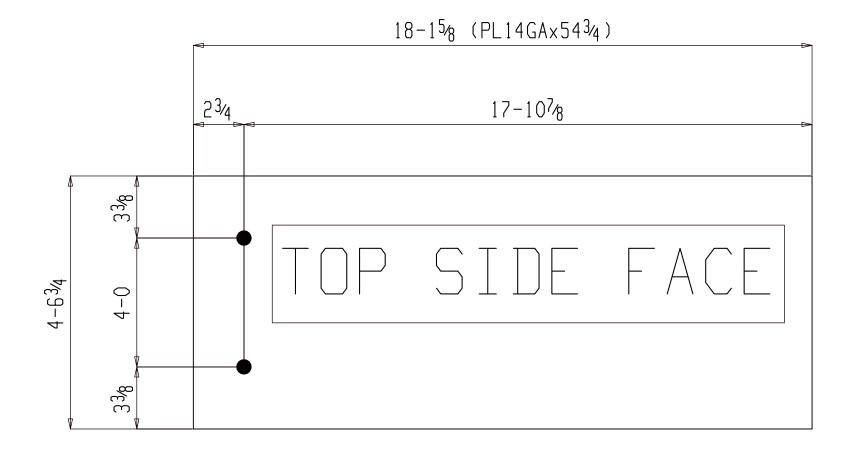


(ASSEMBLY REFFER: AS101)

NO PAINT

		E	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M121		ONE	PLATE				192								
	M121	1	PL14GAx71 <sup>1</sup> /8	10-75/8			192								

# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication B A REV. ALN 07-13-22 ALN 07-06-22 For Re-Approval For Approval DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M121 MISC. DETAIL

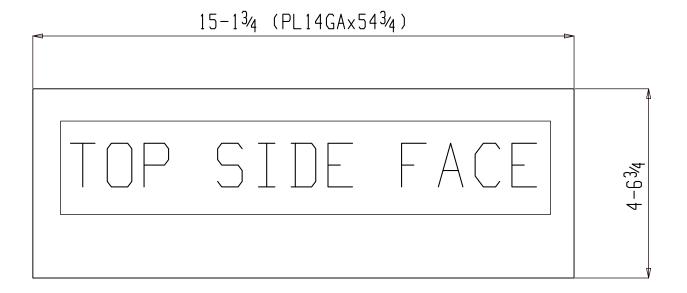


(ASSEMBLY REFER : AS101)

NO PAINT

		E	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M122		ONE	PLATE				252								
	M122	1	PL14GAx54 <sup>3</sup> ⁄4	18-1 <sup>5</sup> /8			252								

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 ALN 07-06-22 For Approval DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M122 MISC. DETAIL

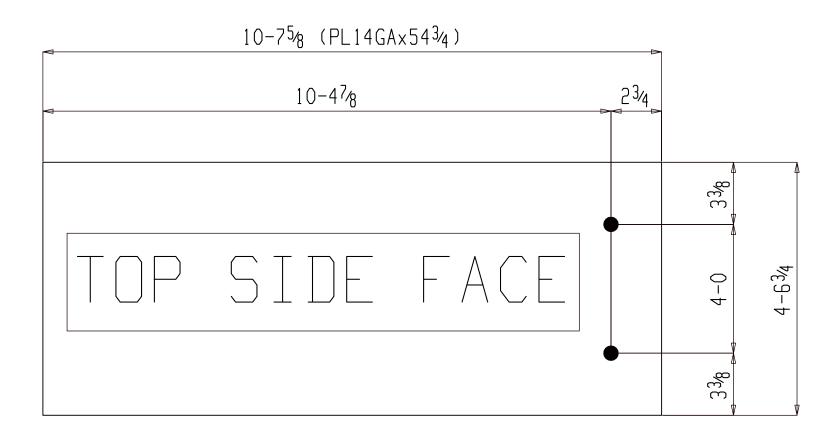


(ASSEMBLY REFER: AS101

NO PAINT

### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE WEIGHT MARK MARK MARK MARK ONE PLATE 211 M123 1 PL14GAx543/4 15-13/4 211 M123

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication B A REV. ALN 07-13-22 For Re-Approval ALN 07-06-22 For Approval DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M123

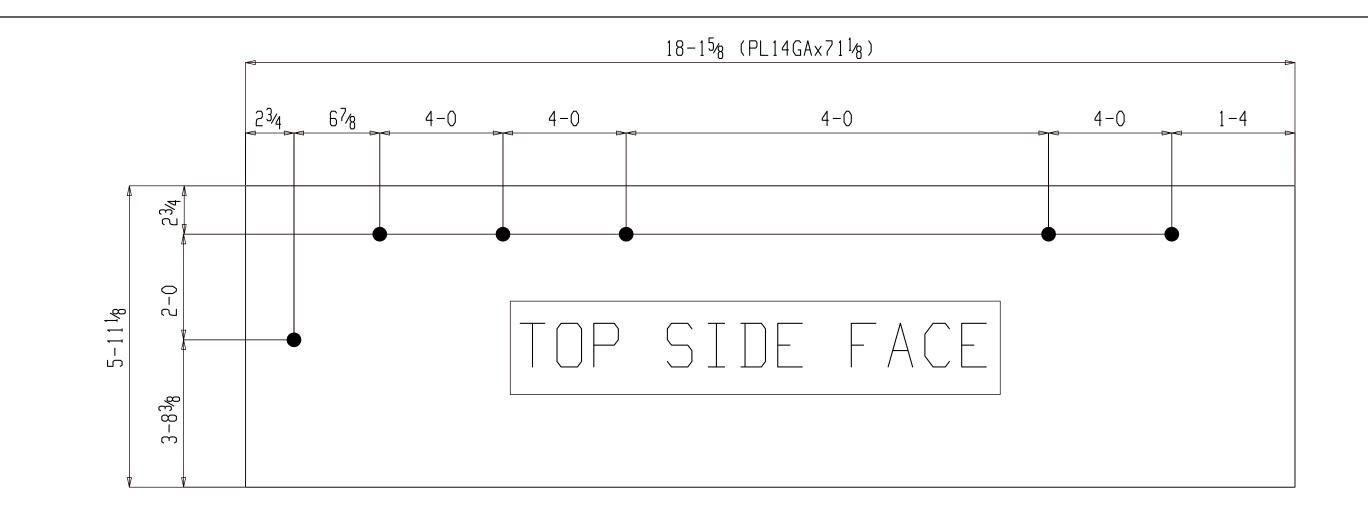


((ASSEMBLY REFER:AS101))

NO PAINT

		F	BILL OF N	1ATE	RIAL					Ē	BILL OF M	1ATE	RIAL		
SHIF	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M124		ONE	PLATE				148								
	M124	1	PL14GAx54 <sup>3</sup> / <sub>4</sub>	10-75/8			148								
					·										
										·					

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication B A REV. For Re-Approval ALN 07-13-22 ALN 07-06-22 For Approval DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M124 MISC. DETAIL



(ASSEMBLY REFER : AS101)

NO PAINT

			BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M125		ONE	PLATE				328								
	M125	1	PL14GAx71 <sup>1</sup> /8	18-15/8			328								

SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
	1111 07 04 00
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/ <sub>16</sub> Ø 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.
	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER   SHEET NO.   REV

MISC. DETAIL

DESCRIPTION:

FOR FABRICATION

M125

# 15-134 (PL14GAx711/8) 2-734 4-0 4-0 6 TOP SIDE FACE

# ONE PLATE M126

(ASSEMBLY REFFER: AS101)

NO PAINT

			BILL OF N	ИАТЕI	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M126		ONE	PLATE				274								
	M126	1	PL14GAx71 <sup>1</sup> /8	15-13/4			274								

SHOP NOTES:		
REF. DWG/SPEC:		
DEG REF. SPEC. / DWG:		
$\triangle$		
↑ For Fabrication	ALN	07-21-22
For Re-Approval	ALN	07-13-22
A For Approval	ALN	07-06-22
REV. DESCRIPTION	BY	DATE

NO PAINT

NAPASKIAK POWER SYSTEM UPGRADE

13/<sub>16</sub>Ø

ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

MISC. DETAIL

HOLES U.N.

JOB NAME: LOCATION:

DESCRIPTION:

FOR FABRICATION

CLEANING:

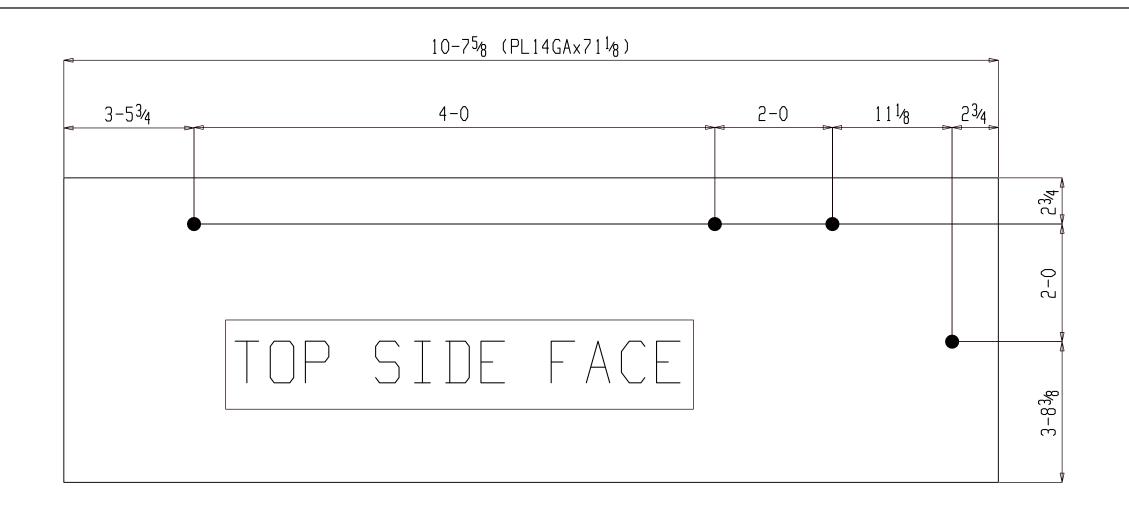
DATE: 05-26-22

JOB NUMBER SHEET NO.

DR. BY: PKM CHK. BY: ALN SCALE: N.A.

M126

E70XX

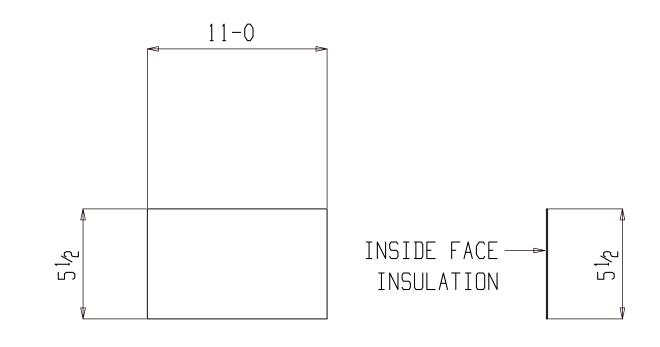


(ASSEMBLY REFER: AS101)

NO PAINT

		F	BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M127		ONE	PLATE				192								
	M127	1	PL14GAx71 <sup>1</sup> /8	10-75/8			192								

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication For Re-Approval ALN 07-13-22 ALN 07-06-22 For Approval DESCRIPTION BY DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M127 MISC. DETAIL



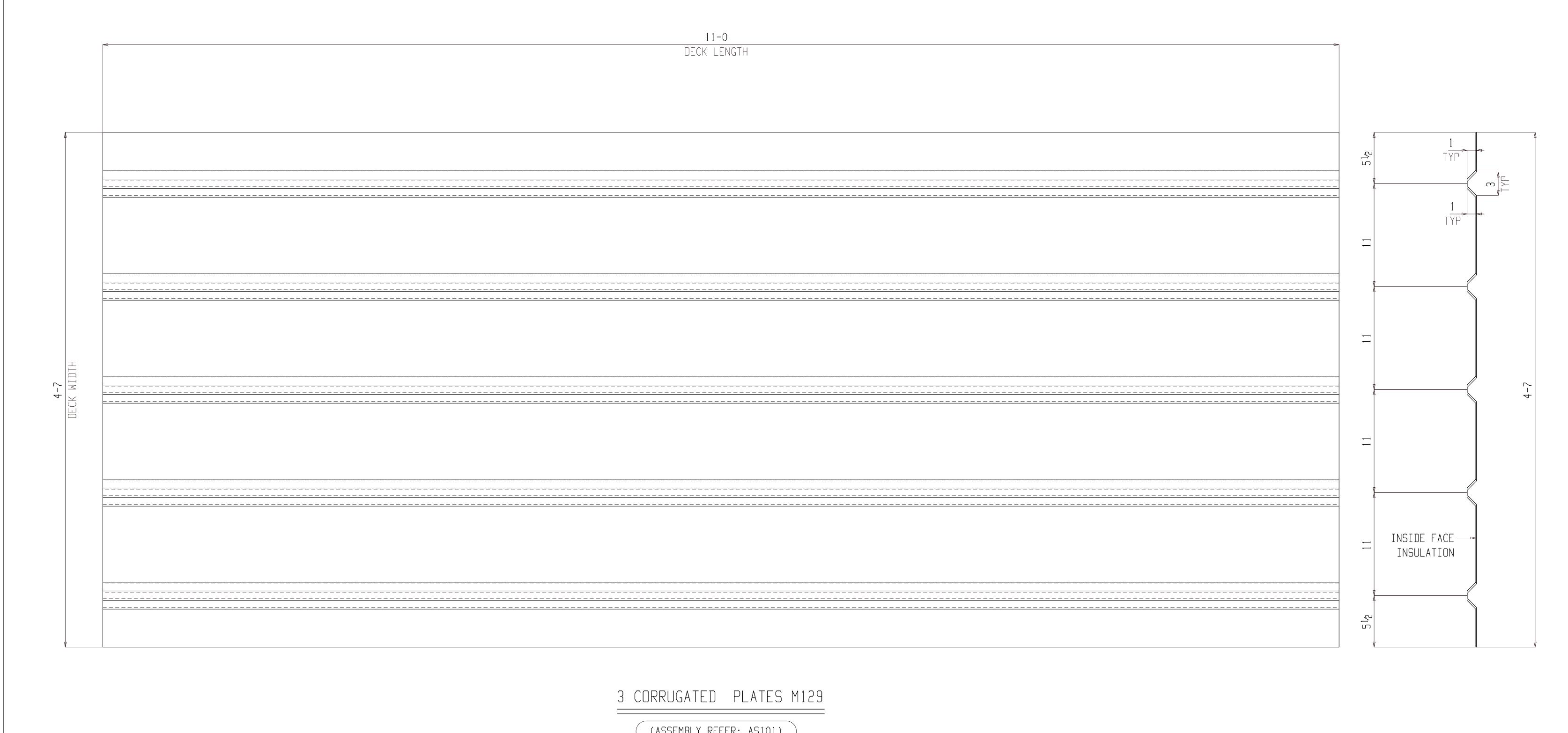
ONE MISC M128

(ASSEMBLY REFER: AS101)

NO PAINT

		Е	BILL OF N	1ATEI	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M128		ONE	MISC				13								
	M128	1	14GAx5 <sup>1</sup> ⁄2	11-0			13								

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: © B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. DESCRIPTION: MISC. DETAIL M128 460



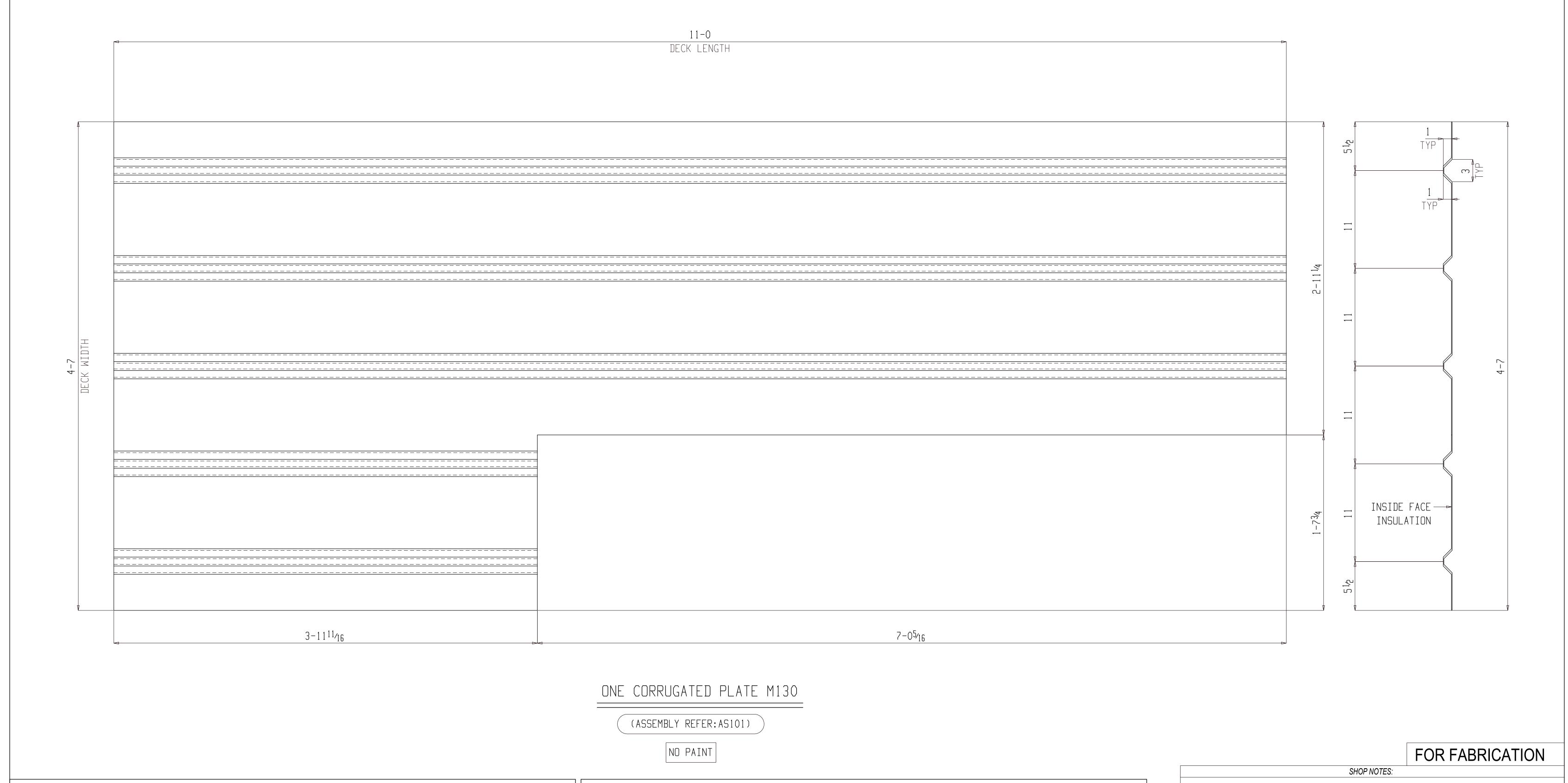
(ASSEMBLY REFER: AS101)

			BILL OF M	IATERIA	۱L						BILL OF N	MATERIA			,
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M129		3	CORRUGATED PLATE				461								
	M129	3	PL14GA×55	11-0			461								

# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication ALN 07-13-22 For Re-Approval ALN 07-06-22 BY DATE For Approval DESCRIPTION PAINT U.N. NO PAINT HOLES U.N. 13/16Ø JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALN SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. REV

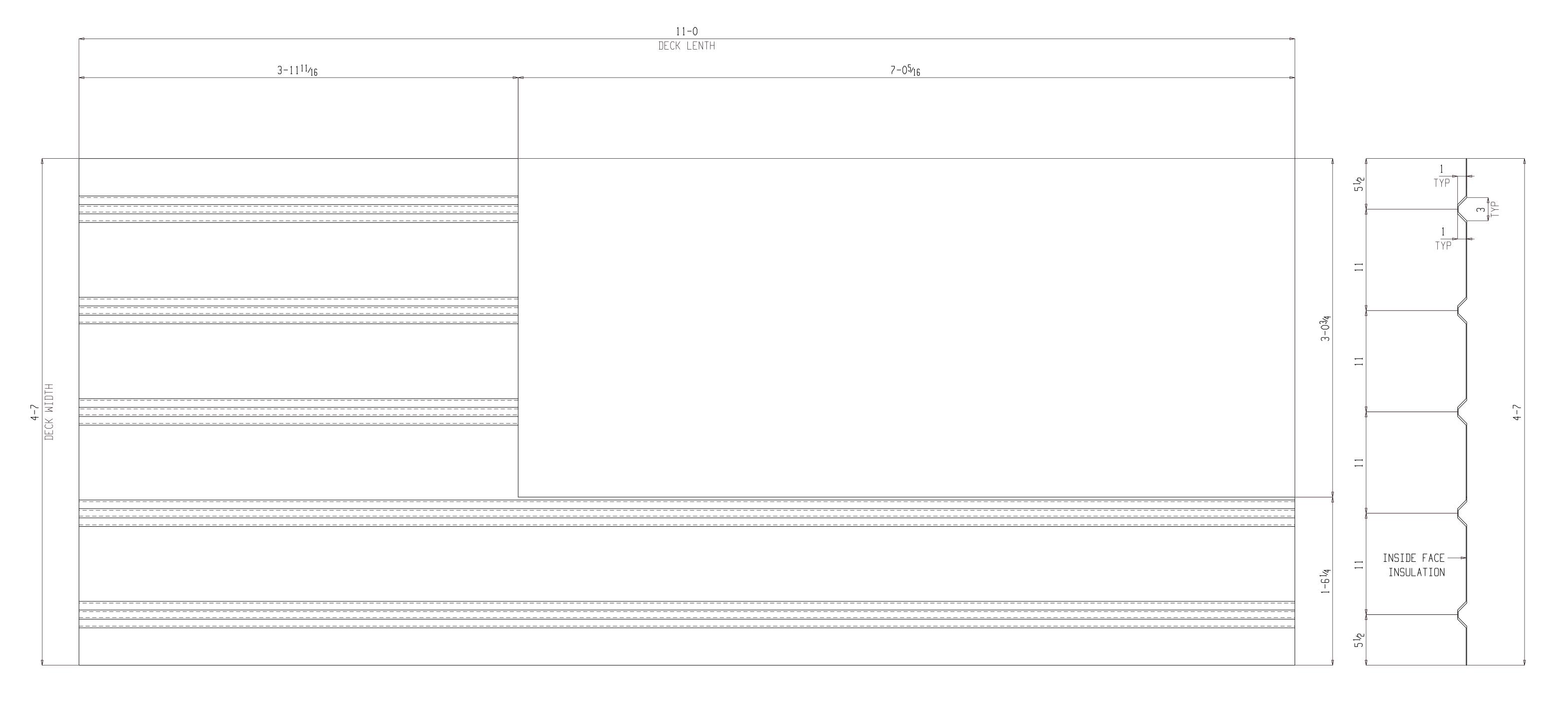
M129

DESCRIPTION: MISC. DETAIL



			BILL OF M	1ATERIA	L						BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M130		ONE	CORRUGATED PLATE				154								
	M130	1	PL14GA×55	11-0			154								

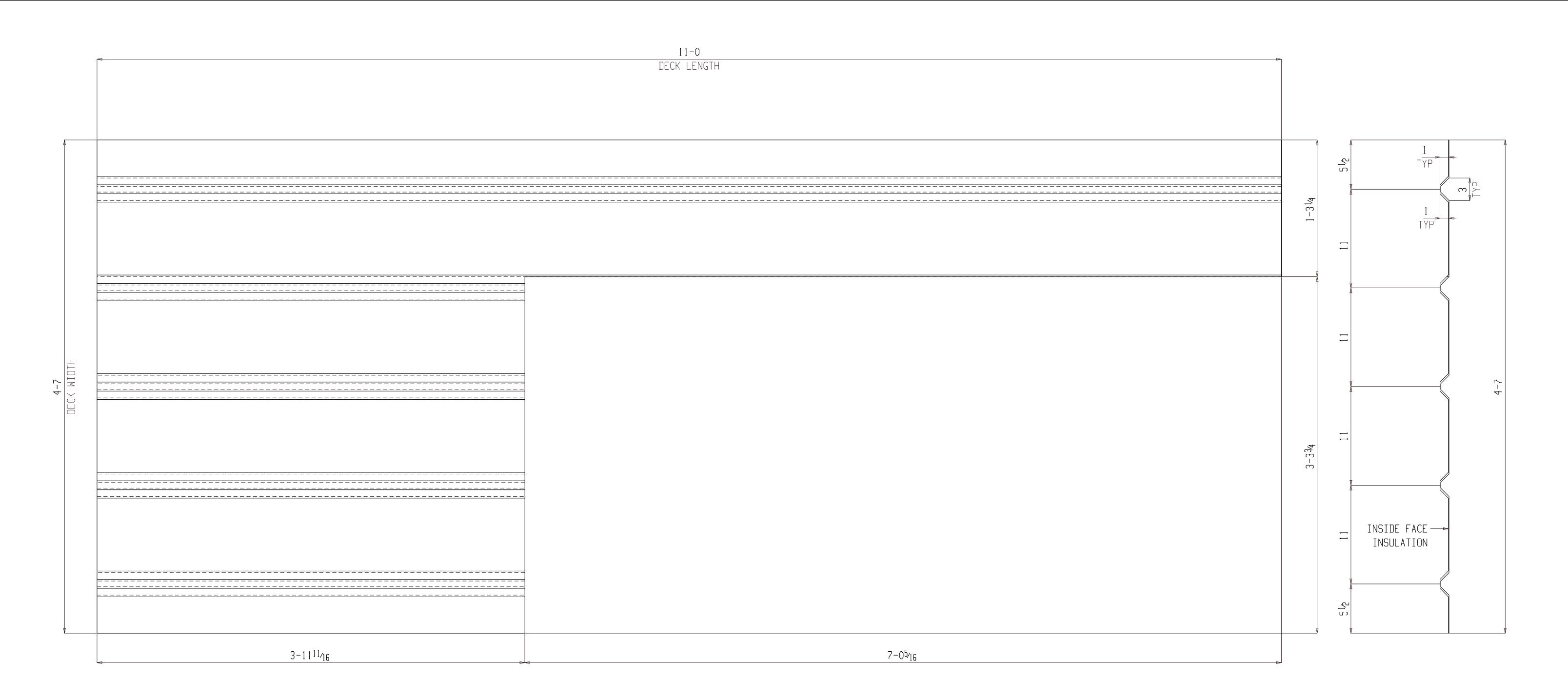
FC	R FABRICATION
SHOP NOTES:	
REF. DWG/SPEC:	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
B For Re-Approval	ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
HOLES U.N. 13/400 PAINT WELDS: EZOYY	CLEANING:
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX	\
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	
LOCATION: ALASKA	SCALE: N.A.
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22
	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460   M130   /o



(ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA	L						BILL OF M	1ATERIA	<b>\</b> L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M131		ONE	CORRUGATED PLATE				154								
	M131	1	PL14GA×55	11-0			154								

		FOR FAE	BRICATION	NC
	SHOP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / DW	 3:			
6 For Fabrication			ALN	07-21-22
For Re-Approv	al		ALN	07-13-22
A For Approval			ALN	07-06-22
REV.	DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E	70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGR	ADE DR. BY	: PKM CHK.	BY: ALN
LOCATION:	ALASKA	SCALE	: N.A.	
	<del>-</del>	DATE:	05-26-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUI		D. REV
DESCRIPTION:	MISC. DETAIL	46	0 M131	0

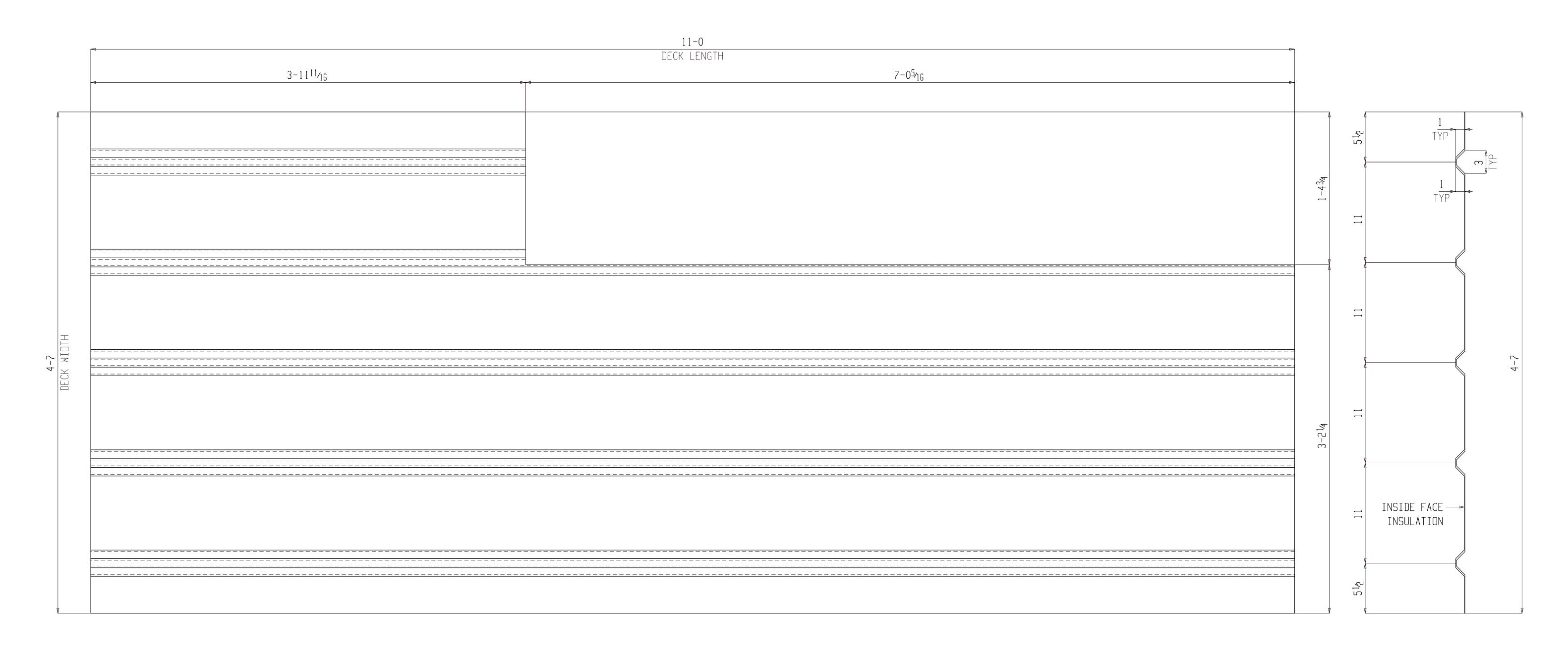


(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF M	1ATERIA	<b>\L</b>						BILL OF	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M132		ONE (	CORRUGATED PLATE				154								
	M132	1 F	PL14GA×55	11-0			154								

# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: ALN 07-21-22 For Fabrication ALN 07-13-22 For Re-Approval ALN 07-06-22 BY DATE For Approval DESCRIPTION PAINT U.N. NO PAINT HOLES U.N. 13/16Ø DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. REV DESCRIPTION: MISC. DETAIL M132

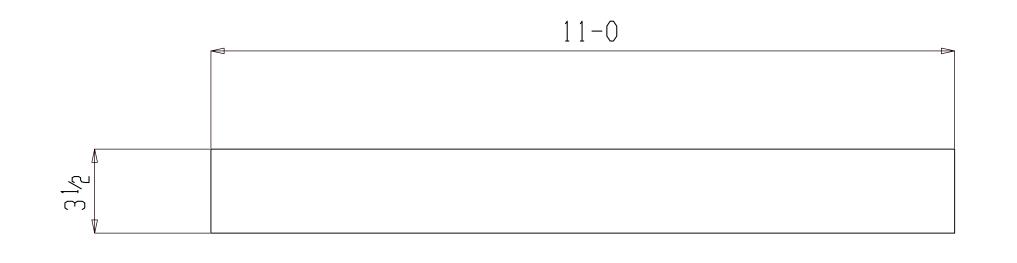


(ASSEMBLY REFER: AS101)

	BILL OF MATERIAL  THE DESCRIPTION LENGTH DEMARKS CRADE WET										BILL OF N	MATERIA	۱L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M133		ONE	CORRUGATED PLATE				154								
	M133	1	PL14GAx55	11-0			154								

# 

				FOR	FABR	CAL	ION
			SHOP NOTES:	1			
RFF F	DWG/SPEC :						
	REF. SPEC. / DWG	:					
0	For Fabrication					ALN	07-21-22
B A	For Re-Approva					ALN	07-13-22
Â	For Approval					ALN	07-06-22
EV.		DESCRIPT	ION			BY	DATE
OLES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. NO PAIN	T WELDS:	E70XX	CLEAN	ING:	
	10/1610	PAINT U.N. NO PAIN  NAPASKIAK POWEF	<u> </u>		DR. BY:		IK. BY: ALI
ОВ	NAME:	NAPASKIAK POWER	<u> </u>			PKM CH	ik. by: Ali
OB OC	NAME: ATION:	NAPASKIAK POWEF ALASKA	R SYSTEM UPG		DR. BY:	PKM CH	ik. by: Ali
.OC	NAME:	NAPASKIAK POWER	R SYSTEM UPG		DR. BY:	PKM   CH A. 26-22	





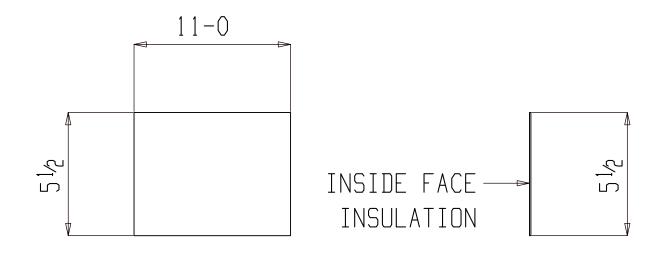
# ONE MISC M134

(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL  ATP PIECE OTY DESCRIPTION LENGTH DEMARKS CRADE WEIGHT								BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M134		ONE	MISC				8										
	M134	1	14GAx3 <sup>1</sup> ⁄2	11-0			8										
										·							

### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M134 460



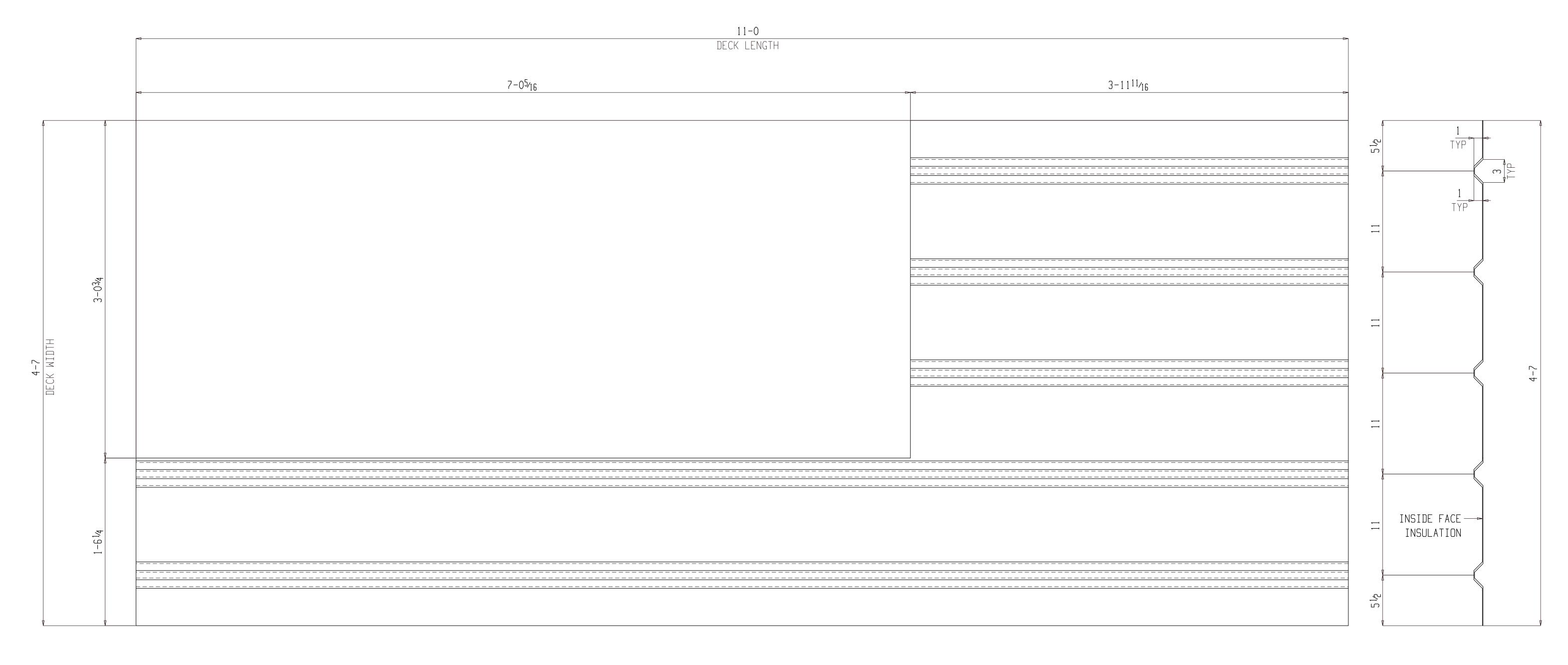
3 MISCS M135

(ASSEMBLY REFER: AS101)

NO PAINT

		E	BILL OF N	<b>ЧАТЕ</b> І	RIAL			BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M135		3	MISC				39								
	M135	3	14GAx5 <sup>1</sup> ⁄2	11-0			39								

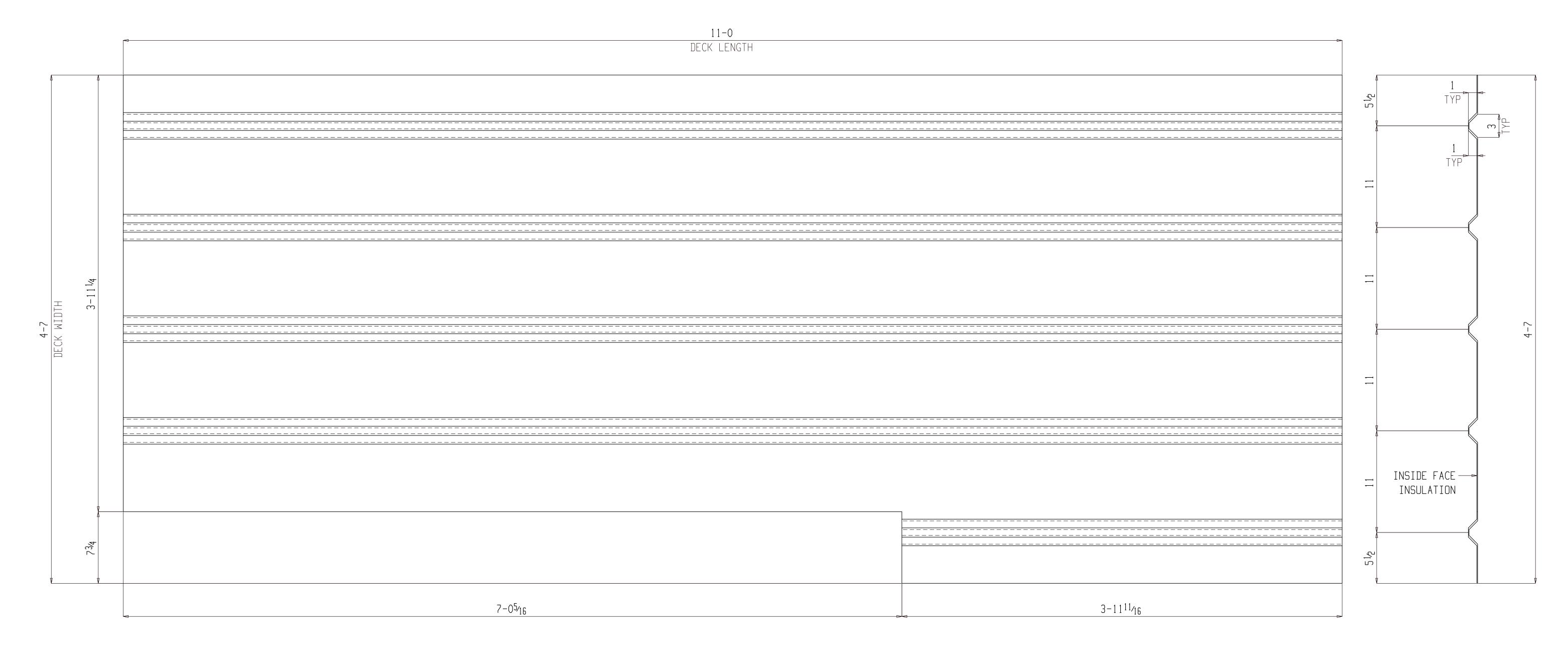
## FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: © A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M135 460



(ASSEMBLY REFER: AS101)

								1							
	BILL OF MATERIAL  P PIECE QTY DESCRIPTION LENGTH REMARKS GRADE										BILL OF I	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M136		ONE	CORRUGATED PLATE				154								
	M136	1	PL14GAx55	11-0			154								

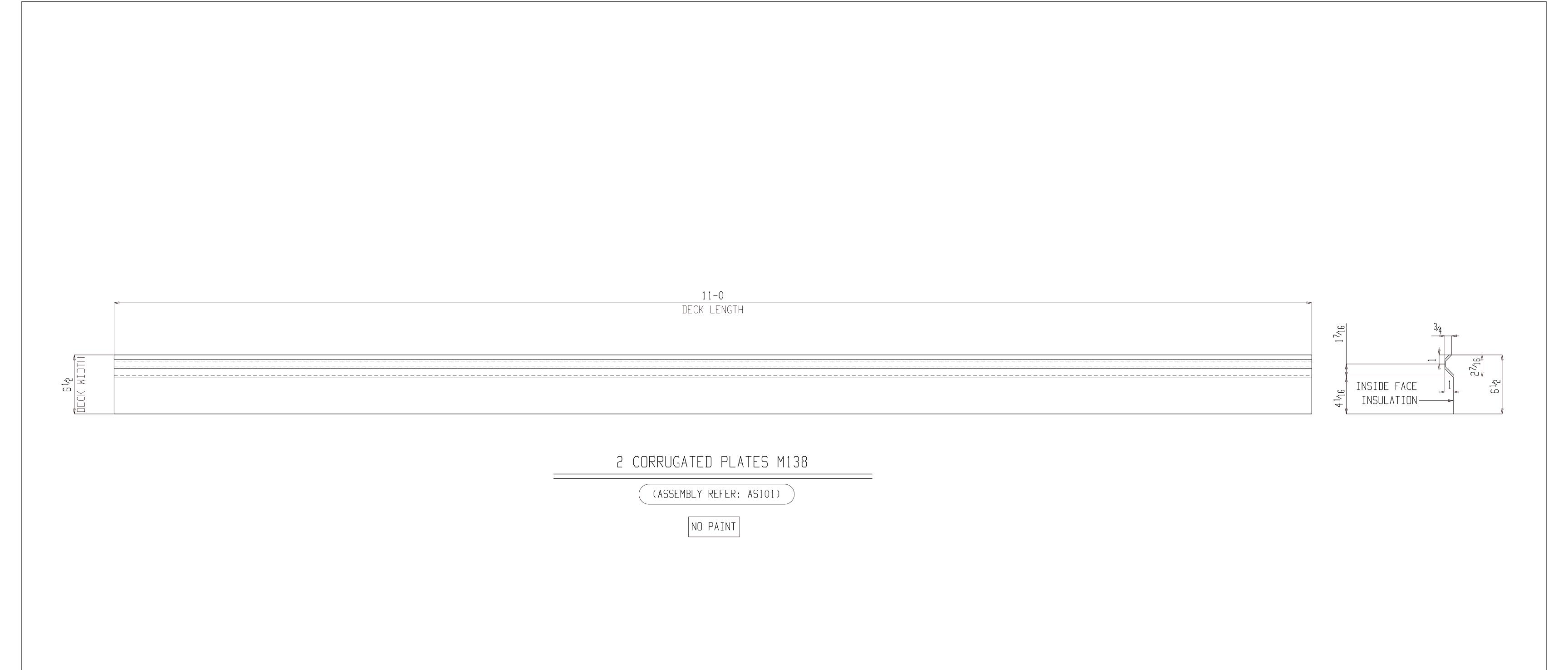
			FOR	FAI	BR	IC <i>P</i>	ΛΤΙ	01	
	SHOP N	NOTES:							
REF. DWG/SPEC :									
DEG REF. SPEC. / DWG:									
For Fabrication							ALN		21-22
B For Re-Approval							ALN	07-1	3-22
A For Approval							ALN		6-22
REV.	DESCRIPTION						BY	DA	\TE
HOLES U.N. 13/16Ø	AINT U.N. NO PAINT	WELDS:	E70XX		CLEANII	NG:			
	ASKIAK POWER SYST			DR. B	٧٠	PKM	CHK	RV·	ALN
	_		NADE	SCALI			J 51 11 (		/ \LI \
LOCATION: ALAS	5KA			DATE					
CONTRACTOR: ALAS	SKA ENERGY AUTHOR	RITY			JMBER	-	HEET N	<u>).</u>	REV
DESCRIPTION: MISC	. DETAIL			46			M136		<u> </u>
DESCRIPTION. WISC	. DEIAIL			7(	<i>,</i>	<u> </u>	vi i o C	'	



(ASSEMBLY REFER: AS101)

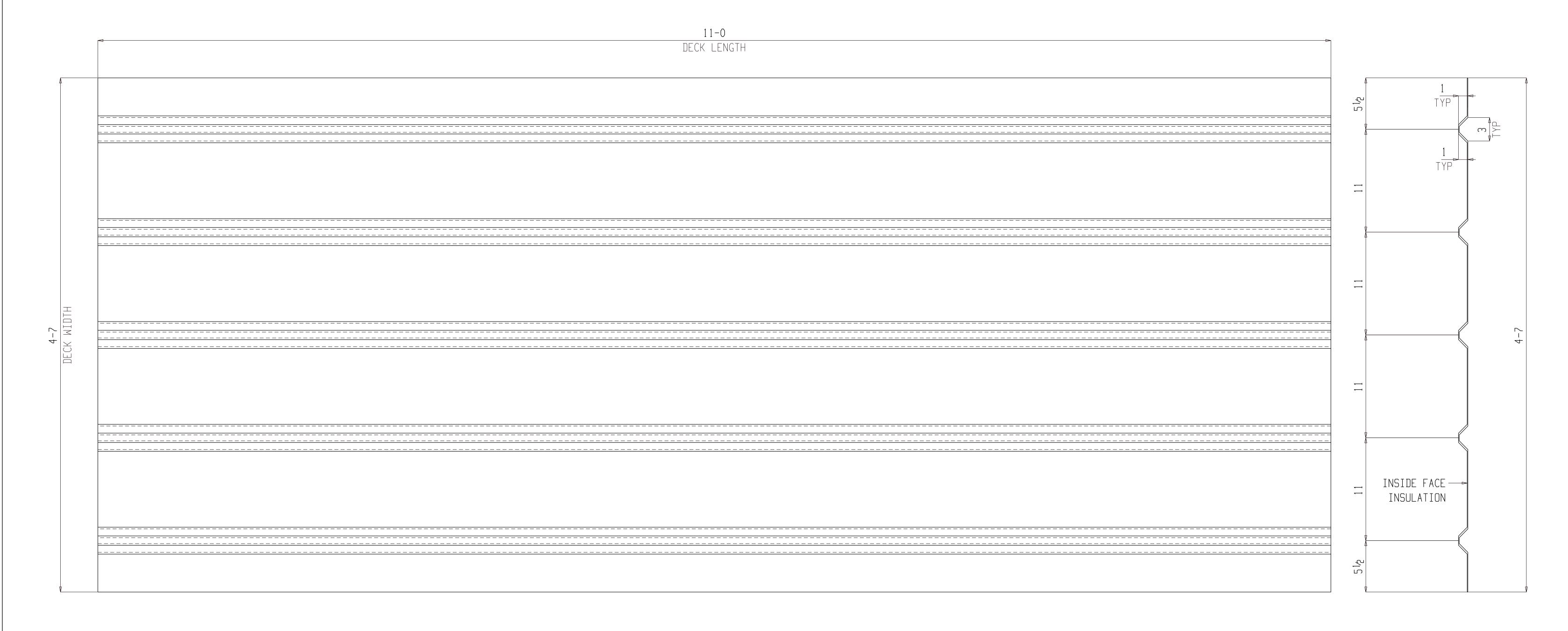
			BILL OF M	1ATERIA	\L						BILL OF I	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M137		ONE	CORRUGATED PLATE				154								
	M137	1	PL14GAx55	11-0			154								

				FOR	<b>FABR</b>	ICAT	ON
		SHOP	NOTES:				
DEE DIVIDIONE							
REF. DWG/SPE							
DEG REF. SPEC	/ DWG :						
o For Fab	cation					ALN	07-21-22
B For Re-						ALN	07-21-22
A For App	· ·					ALN	07-06-22
REV.		DESCRIPTION				BY	DATE
HOLES U.N. 13/	6Ø PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	NG:	
JOB NAME:	I	POWER SYS	_ TFM UPG	RADE	DR. BY:	PKM CHI	K. BY: ALN
LOCATION:	ALASKA				SCALE: N.A	١.	
			NDIT\/		DATE: 05-2	26-22	
	JK: ALASKA ENI	ERGY AUTHC	IKI I Y		JOB NUMBER	SHEET	NO. REV
CONTRACT							



	BILL OF MATERIAL  DESCRIPTION								BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M138		2 00	DRRUGATED PLATE				308										
	M138	2 Pl	_14GA×55	11-0			308										

FOF	R FABRICATION
SHOP NOTES:	
EF. DWG/SPEC :	
EG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
For Re-Approval	ALN 07-21-22 ALN 07-13-22
For Re-Approval  For Approval  DESCRIPTION	ALN 07-06-22
DESCRIPTION	BY DATE
LES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:
OB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PKM CHK. BY: ALN
OCATION: ALASKA	SCALE: N.A.
ONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22
ESCRIPTION: MISC. DETAIL	JOB NUMBER         SHEET NO.         REV           460         M138         0
	1 760   1/1/38   /0\

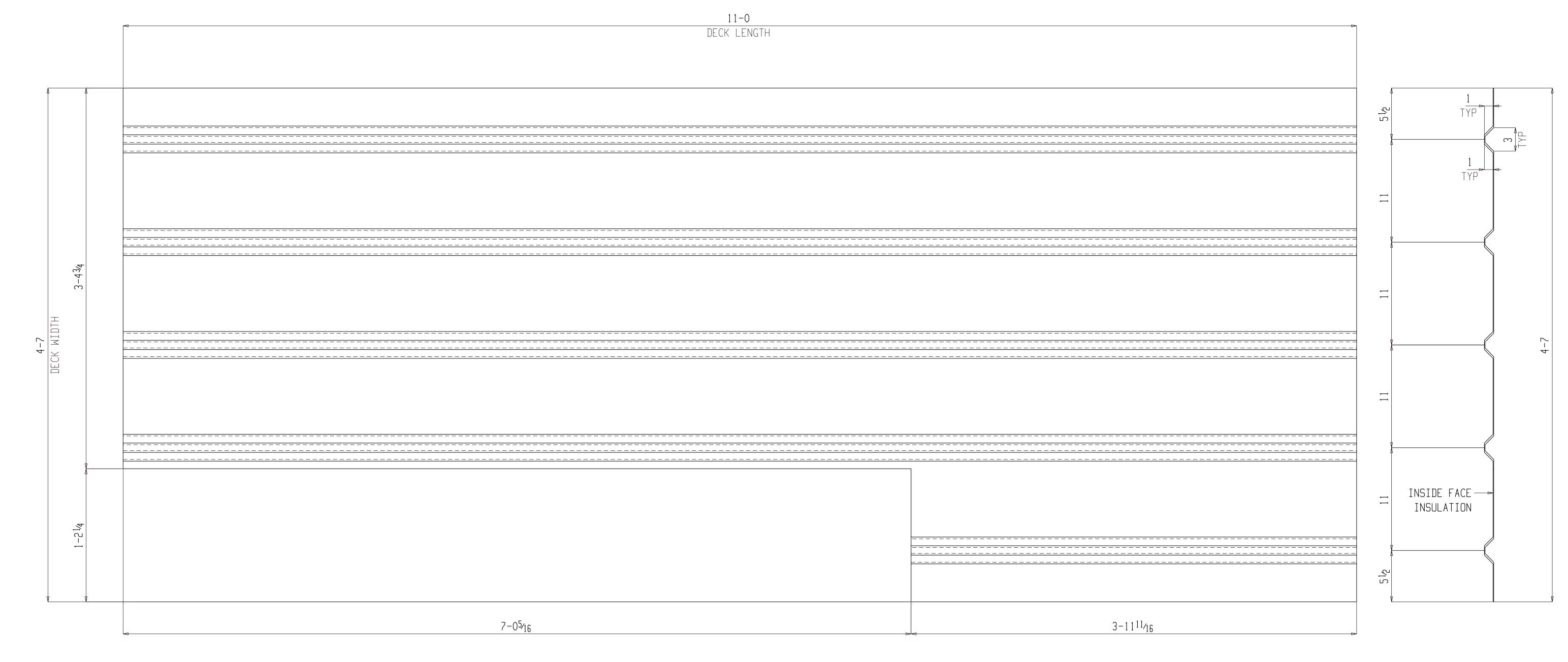


5 CORRUGATED PLATES M139

(ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA	<b>L</b>						BILL OF I	MATERIA	۸L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M139		5	CORRUGATED PLATE				769								
	M139	5	PL14GA×55	11-0			769								

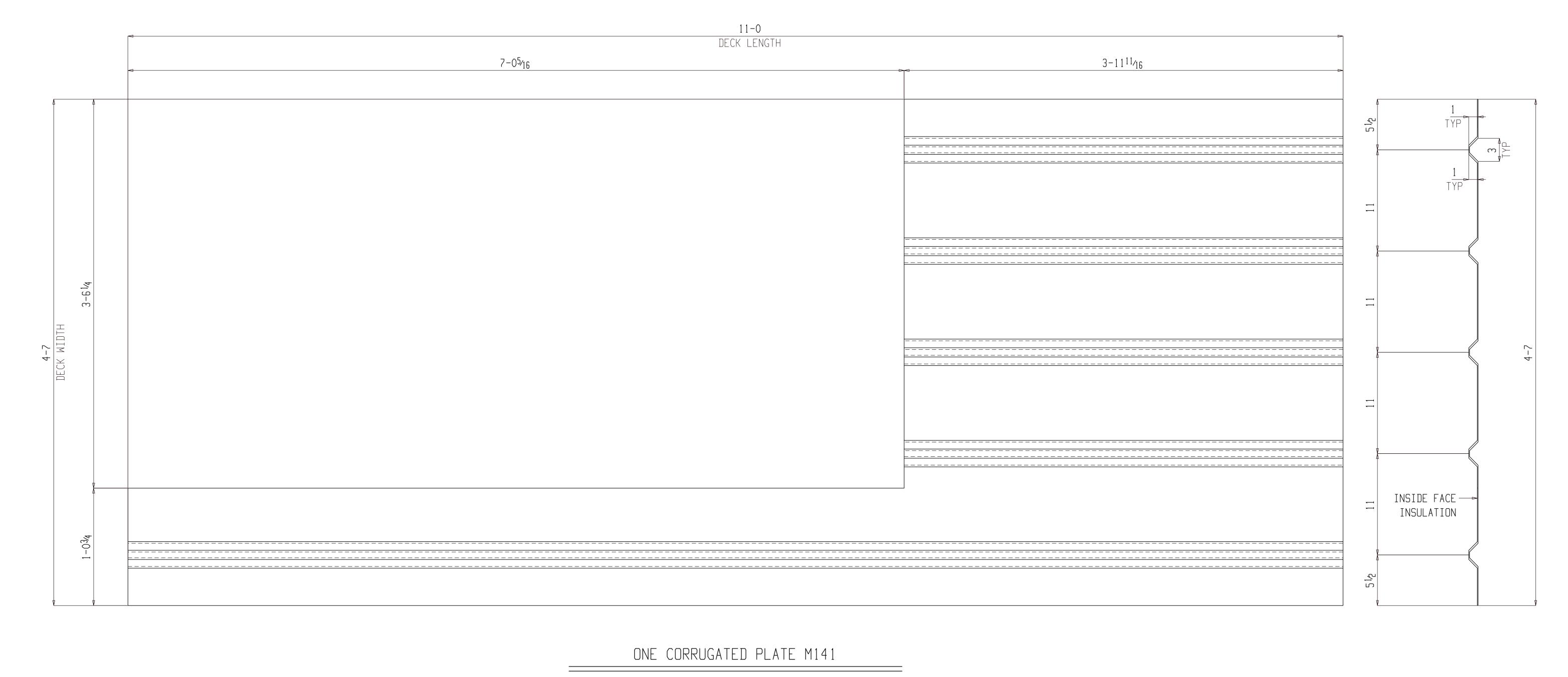
	FOR	FABRIC	CATI	ON
SH	OP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
For Fabrication			ALN	07-21-22
For Re-Approval			ALN	07-13-22
For Approval			ALN	07-06-22
REV. DESCRIPTION			BY	DATE
OLES U.N. 13/16Ø PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING:		
JOB NAME: NAPASKIAK POWER SY	STEM UPGRADE		KM CHK	K. BY: ALN
LOCATION: ALASKA		SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTH	HORITY	JOB NUMBER	22 SHEET N	IO. REV
DESCRIPTION: MISC. DETAIL		460	M139	



(ASSEMBLY REFER: AS101)

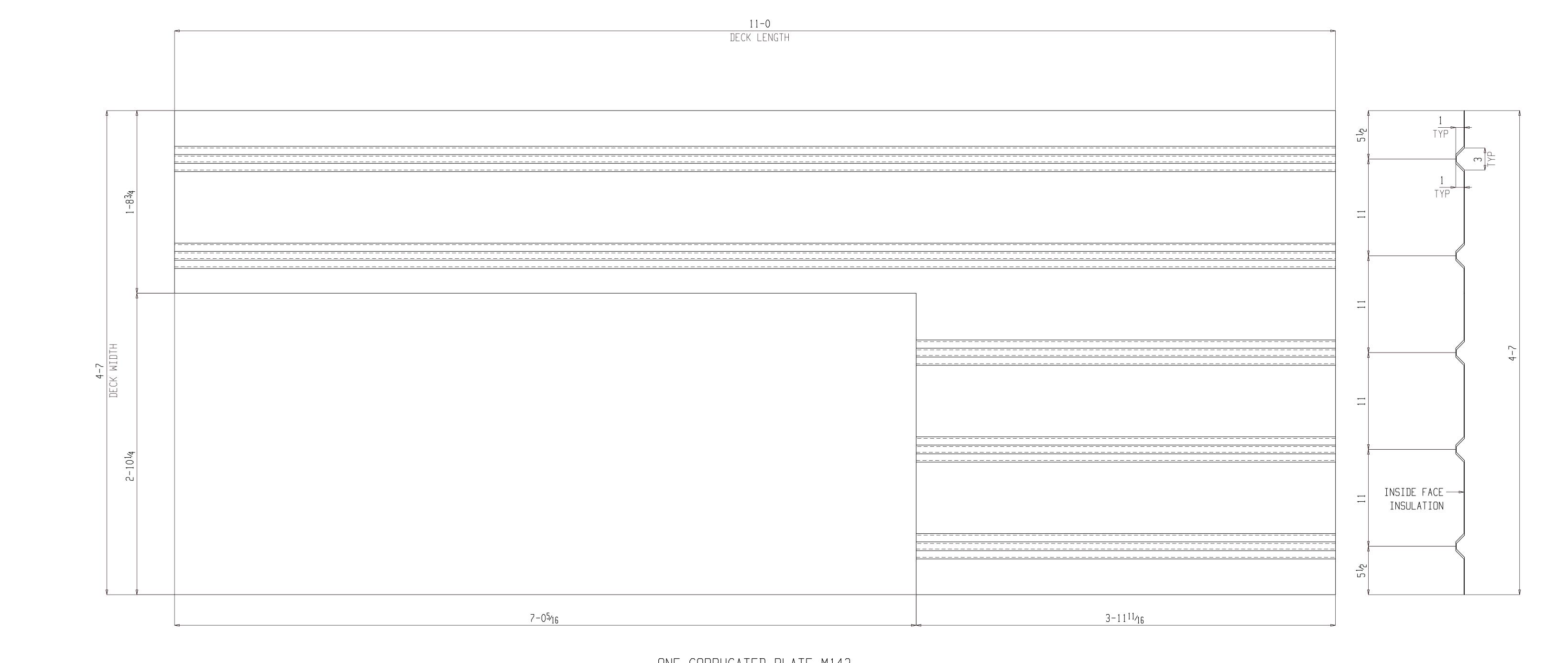
	BILL OF MATERIAL  SHIP PIECE OTY DESCRIPTION LENGTH REMARKS GRADE WEI								BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M140		ONE	CORRUGATED PLATE				154										
	M140	1	PL14GAx55	11-0			154										

DEG REF. SPEC. / DWG:    O	FOR	FABRICA	IOITA	V
DEG REF. SPEC. / DWG:    O	SHOP NOTES:			
DEG REF. SPEC. / DWG:    O				
DEG REF. SPEC. / DWG:    O				
DEG REF. SPEC. / DWG:    O				
For Fabrication  B For Re-Approval ALN 07-21-22 A For Approval ALN 07-13-22 ALN 07-06-22 REV. DESCRIPTION BY DATE  HOLES U.N. 13/16Ø PAINT U.N. NO PAINT E70XX  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  CLEANING:  CLEANING:  DR. BY: PKM CHK. BY: ALN SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REV	REF. DWG/SPEC :			
For Re-Approval  REV. DESCRIPTION    ALN   07-13-22	DEG REF. SPEC. / DWG:			
For Re-Approval  REV. DESCRIPTION    ALN   07-13-22				
For Approval REV. DESCRIPTION    ALN   07-06-22			1	
DESCRIPTION    DESCRIPTION   BY   DATE	For Re-Approval			
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  CLEANING:  DR. BY: PKM CHK. BY: ALN SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV				
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  NO PAINT E 70XX  DR. BY: PKM CHK. BY: ALN SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV	REV.   DESCRIPTION		BY C	ATE
LOCATION: ALASKA ENERGY AUTHORITY  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV	HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING:		
LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV	JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PKM	CHK. BY	: ALN
CONTRACTOR: ALASKA ENERGY AUTHORITY    DATE: 05-26-22     JOB NUMBER   SHEET NO.   REV		SCALE: N.A.		
JOB NOWIDER STREET NO. 10		DATE: 05-26-22		
DESCRIPTION: MISC. DETAIL 460 M140	CUNTRACTUR: ALASKA ENERGY AUTHURITY	JOB NUMBER	SHEET NO.	REV
	DESCRIPTION: MISC. DETAIL	460	M140	



			BILL OF M	1ATERIA	\L						BILL OF I	MATERIA	\L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH
MARK	MARK							MARK	MARK						
M141		ONE	CORRUGATED PLATE				154								
	M141	1	PL14GA×55	11-0			154								

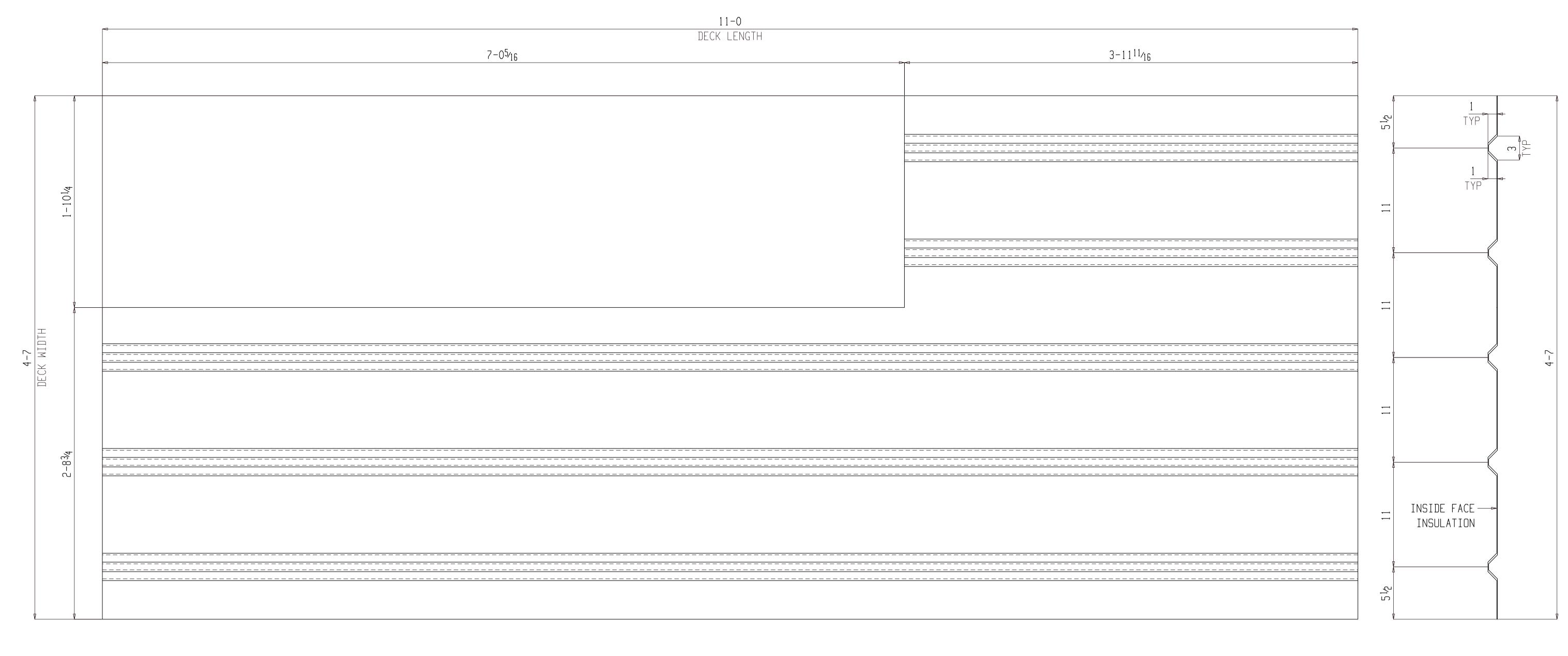
	FOF	RFABRI	CATI	ON
	SHOP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / DW	rg ·			
DEGREE : OF EG. 7 DW	<u> </u>			
For Fabrication	1		ALN	07-21-22
B For Re-Approv	val		ALN	07-13-22
A For Approval			ALN	07-06-22
REV.	DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANING	:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PI	KM CHK	. BY: ALN
LOCATION:	ALASKA	SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-		0 051
DESCRIPTION:	MISC. DETAIL	JOB NUMBER 460	SHEET N	



(ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA	۱L			BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M142		ONE	CORRUGATED PLATE				154									
	M142	1	PL14GA×55	11-0			154									

		FOR FABRIC	ATI	ON
		SHOP NOTES:		
חבר י	NAC/CDEC .			
	)WG/SPEC : REF. SPEC. / DWG	•		
	AEF. OFEG. / DVVG	·	T T	
<u> </u>	For Fabrication		ALN	07-21-22
B	For Re-Approva	I	ALN	07-13-22
Â	For Approval		ALN	07-06-22
REV.		DESCRIPTION	BY	DATE
HOLES U.1	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX CLEANING:		
JOB	NAME:	NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM	CHK	K. BY: ALN
	ATION:	ALASKA SCALE: N.A.		
	TRACTOR:	ALASKA ENERGY ALITHORITY DATE: 05-26-22		
		ALASKA ENERGY AUTHORITY  JOB NUMBER  JOB NUMBER	SHEET N	^
DES(	CRIPTION:	MISC. DETAIL 460	M142	2 0



(ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA	<b>L</b>						BILL OF I	MATERIA	ATERIAL			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M143		ONE	CORRUGATED PLATE				154									
	M143	1	PL14GA×55	11-0			154									

FOR	FABRIC	CATIO	NC
SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
6 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: PK	M CHK.	BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-2		
	JOB NUMBER	SHEET NO	
DESCRIPTION: MISC. DETAIL	460	M143	0

11-0	—————————————————————————————————————
DECK LENGTH	
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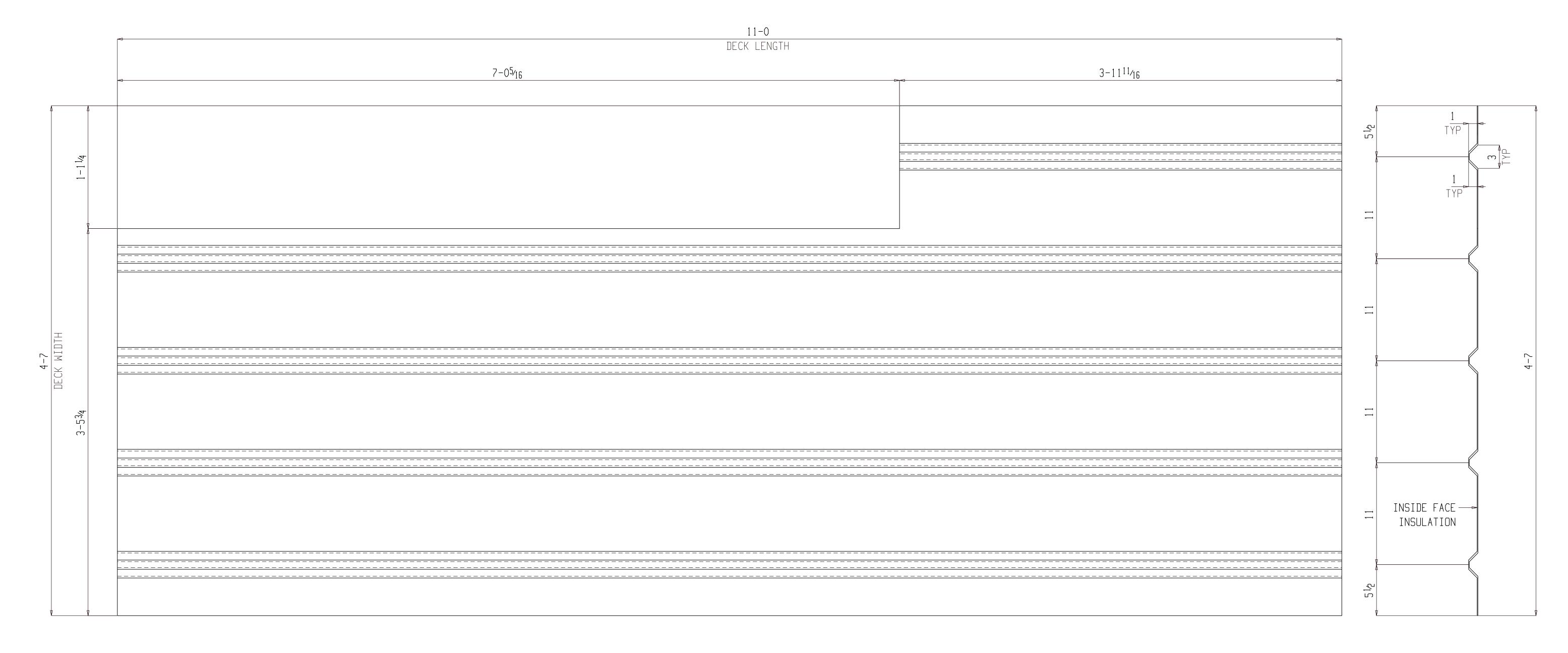
		BILL OF N		BILL OF MATERIAL										
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
M144		2 CORRUGATED PLATE				308								
	M144	2 PL14GAx55	11-0			308								

FOR F	FABRIC	CATIO	NC
SHOP NOTES:			
DEE DWC/CDEC .			
REF. DWG/SPEC : DEG REF. SPEC. / DWG :			
DLO NLI . OI LO. I DVVO .			
6 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:		
	DR. BY: PK	M CHK	BY: ALN
LUCATION. ALASKA	SCALE: N.A.		
CONTRACTOR: ALACKA ENERGY ALITHORITY	DATE: 05-26-2		5   BEV
	JOB NUMBER	SHEET NO	
DESCRIPTION: MISC. DETAIL	460	M144	



			BILL OF M	1ATERIA	L			BILL OF MATERIAL									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M145		ONE	CORRUGATED PLATE				154										
	M145	1	PL14GA×55	11-0			154										

	F	OR FABRI	CATION
	SHOP NOTES:		
	5.7.5. 7.5.2		
DEE DW0/0050			
REF. DWG/SPEC :	0		
DEG REF. SPEC. / DW	<b>6</b> :		
For Fabrication	]		ALN 07-21-22
B For Re-Approv			ALN 07-13-22
For Approval			ALN 07-06-22
REV.	DESCRIPTION		BY DATE
10.50.11	PAINT U.N. NO DAINT WELDS: F70	CLEANING	<u> </u>
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70	)XX CLEANING	J.
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRAI	J∟	PKM CHK. BY: ALN
LOCATION:	ALASKA	SCALE: N.A.	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26	<del></del>
いんりゅういべいしけん		JOB NUMBER	SHEET NO. REV
DESCRIPTION:	MISC. DETAIL	460	M145

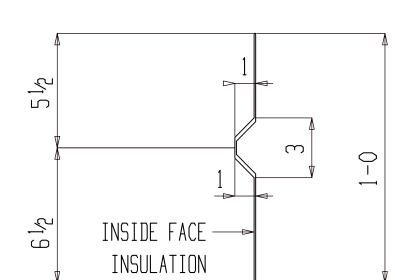


(ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA	L				BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M146		ONE	CORRUGATED PLATE				154									
	M146	1	PL14GA×55	11-0			154									
									_							

FOR FA	BRICAT	ON
SHOP NOTES:		
DEE DWC/CDEC .		
REF. DWG/SPEC : DEG REF. SPEC. / DWG :		
DEG REF. SPEC. / DWG.		
For Fabrication	ALN	07-21-22
B For Re-Approval	ALN	07-13-22
A 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. B	Y: PKM CH	K. BY: ALN
	E: N.A.	
CONTRACTOR: ALASKA ENERGY ALITHORITY	: 05-26-22	
JODIN	IUMBER SHEET	
DESCRIPTION: MISC. DETAIL 40	60 M14	$6  \boxed{0}$

	11-0 DECK LENGTH	E

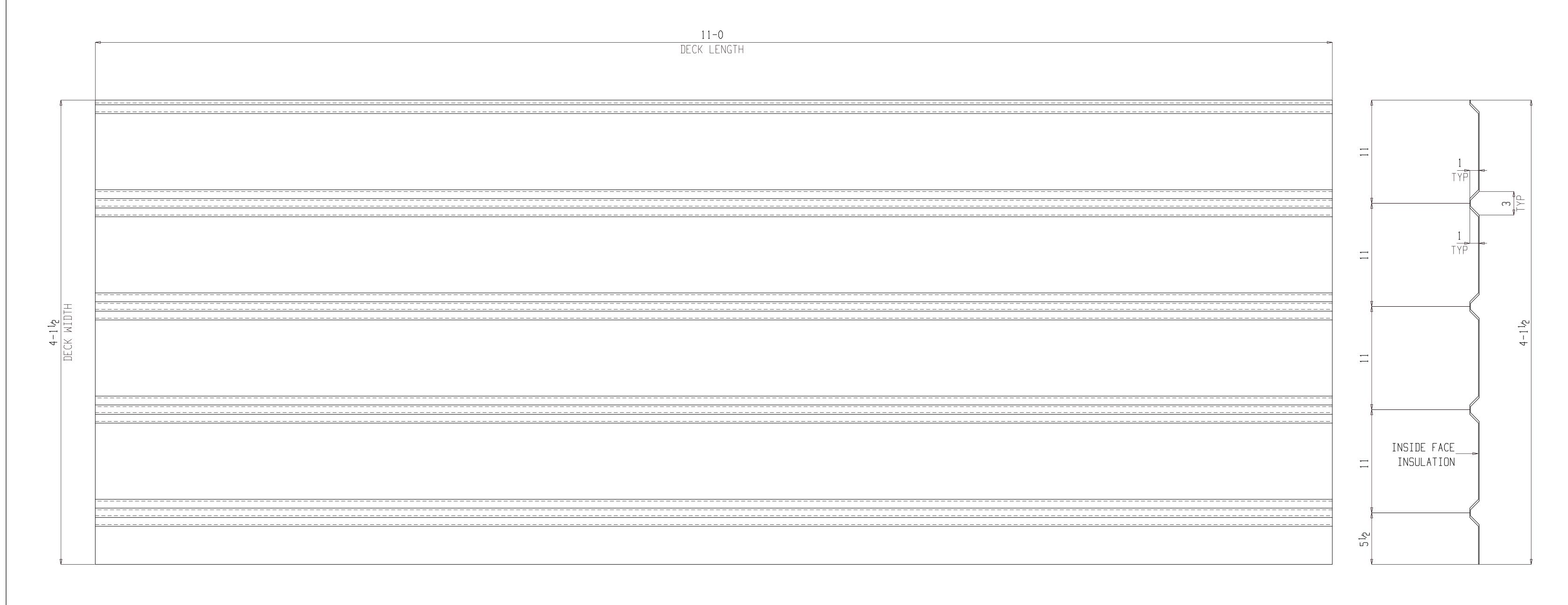


2 CORRUGATED PLATES M147

(ASSEMBLY REFER: AS101)

		BILL OF N		BILL OF MATERIAL										
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
M147		2 CORRUGATED PLATE				308								
	M147	2 PL14GA×55	11-0			308								
							-							

					FOR	FABF	RICA	TIC	ON	
			SHOF	NOTES:						
	DWG/SPEC :									
DEG R	REF. SPEC. / DWG	:								
0	For Fabrication							ALN	07-2	
B	For Re-Approval							ALN	07-1	
Â	For Approval		DECODIDEION					ALN	07-0	
REV.			DESCRIPTION					BY	DA	<u>IL</u>
HOLES U.I	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	IING:			
						DD DV	DIAM	OLIV	DV.	A I N I
JOB	NAME:	NAPASKIAK	POWER SYS	IEM UPG	KADE	DR. BY:	PKM	CHK.	BY:	ALN
LOCA	ATION:	ALASKA				SCALE: N.				
CON	TRACTOR:	ALASKA EN	ERGY AUTHO	RITY		DATE: 05-		LIFET NO		DEV
						JOB NUMBER		HEET NO		REV
<b>NE2</b> (	CRIPTION:	MISC. DETA	\IL			460	[	M147		



(ASSEMBLY REFER: AS101)

NO PAINT

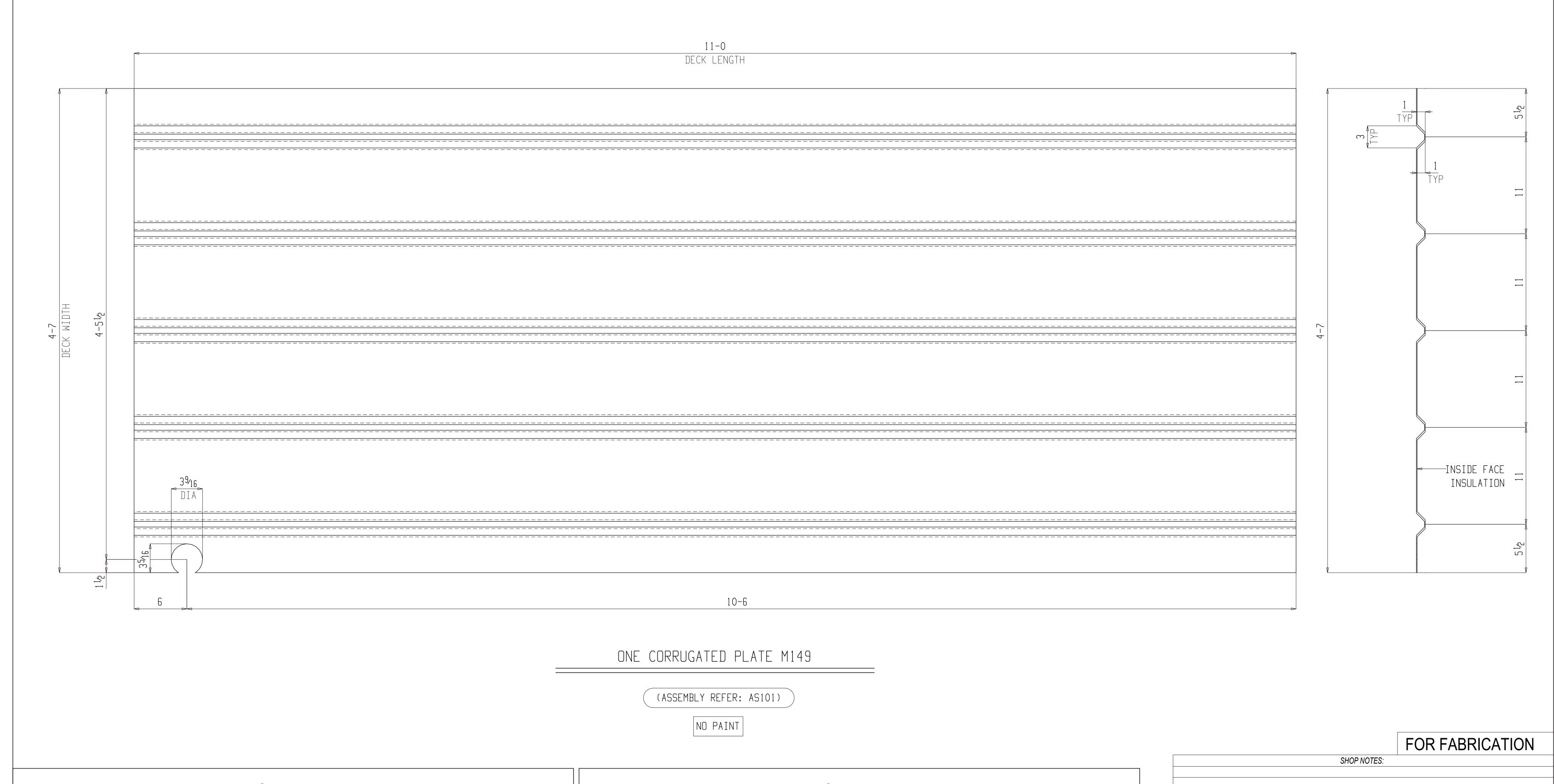
	BILL OF MATERIAL  TO DIECE OTY DESCRIPTION LENGTH DEMARKS CRAPE WET										BILL OF N	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M148		ONE	CORRUGATED PLATE				154								
	M148	1	PL14GAx55	11-0			154								

# SHOP NOTES: REF. DWG/SPEC: DEG REF. SPEC. / DWG: Image: Color of the properties of the

FOR FABRICATION

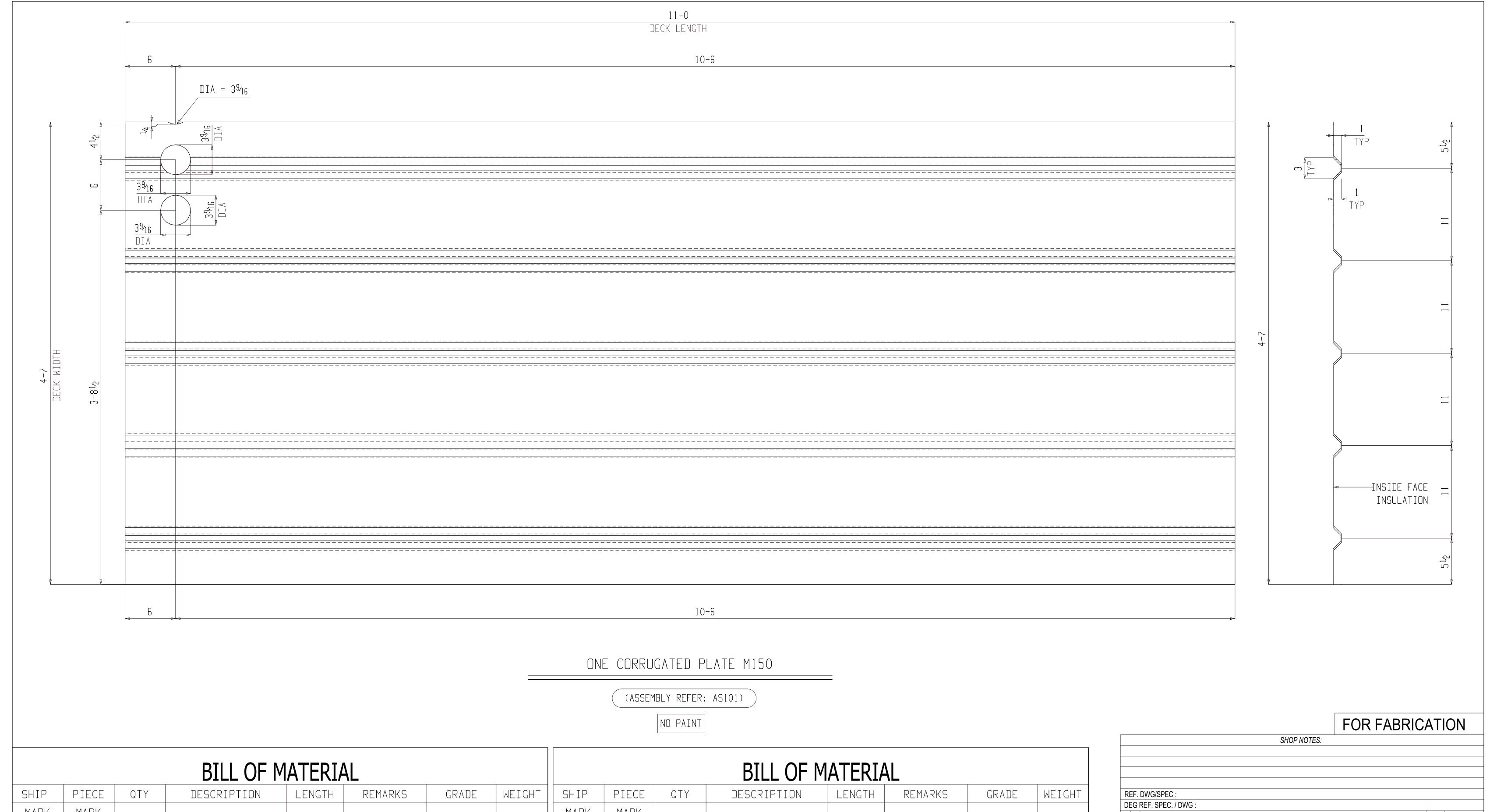
	<u> </u>	or Approval							AL	N 07-0
	REV.			DESCRIPTION					B\	/ DA
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	HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING:		
	JOB NA	ME:	NAPASKIA	K POWER SYS	STEM UP	GRADE	DR. B	Y: Pk	KM C	HK. BY:
4	LOCAT	ION·	ALASKA				SCAL	E: N.A.		
		_		VEDOV ALITU			DATE	: 05-26-2	22	
4	CONTR	RACTOR:	ALASKA EI	NERGY AUTH	UKITY		JOB N	UMBER	SHE	ET NO.

DESCRIPTION: MISC. DETAIL



	BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M149		ONE	CORRUGATED PLATE				154									
	M149	1 F	PL14GA×55	11-0			154									

<b>F</b> 0	
FO	R FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
For Re-Approval For Approval	ALN 07-13-22
A 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
	SCALE: N.A.
LOCATION: ALASKA	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460 M149 🛝



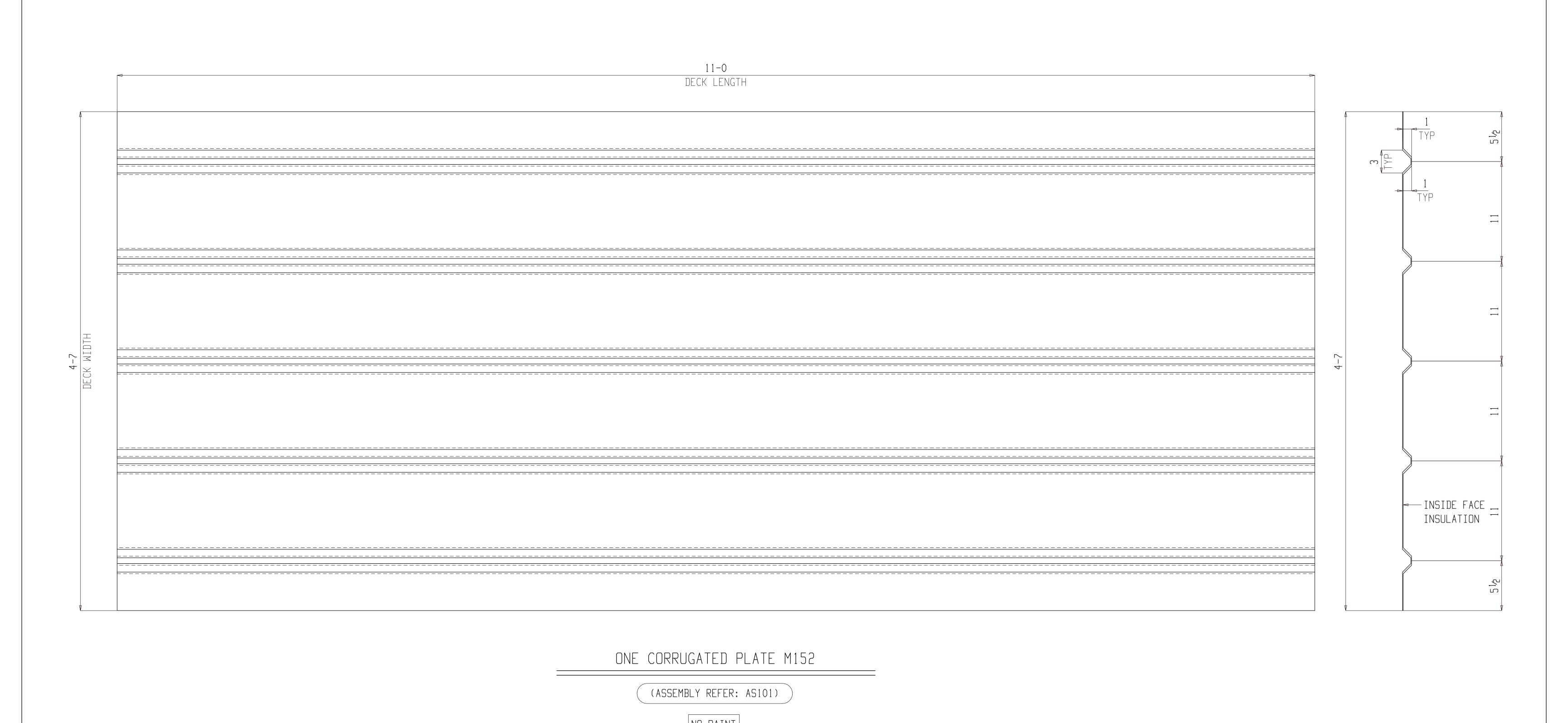
	BILL OF MATERIAL										BILL OF N	1ATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M150		ONE	CORRUGATED PLATE				154								
	M150	1	PL14GA×55	11-0			154								

	F	OR FABRIC	CATION
	SHOP NOTES:		
REF. DWG/SPEC :			
DEG REF. SPEC. /	DWG:		
For Fabric			ALN 07-21-22
For Re-Ap			ALN 07-13-22
A For Approv			ALN 07-06-22
REV.	DESCRIPTION		BY DATE
HOLES U.N. 13/16	7) PAINT U.N. NO PAINT WELDS: E70	X CLEANING:	
			M CLUZ DV. ALNI
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRAD		M CHK. BY: ALN
LOCATION:	ALASKA	SCALE: N.A.	
CONTRACTO	R: ALASKA ENERGY AUTHORITY	DATE: 05-26-2	
LUMIRALIU		JOB NUMBER	SHEET NO. REV
CONTRACTO DESCRIPTION		460	M150

(ASSEMBLY REFER: AS101)

	BILL OF MATERIAL							BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M151		ONE (	CORRUGATED PLATE				154									
	M151 1 PL14GA×55			11-0			154									
	MISI I PLI4GAX55							1								
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	SHOP N	NOTES:					
REF. DWG/SPEC :							
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For Re-Approv	al				ALN		3-22
For Approval					ALN		
EV.	DESCRIPTION				BY	DA	TE
DLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS:	E70XX	CLEAN	ING:		
OB NAME:	NAPASKIAK POWER SYST	EM LIPG	RADE	DR. BY:	PKM CH	K. BY:	ALN
OCATION:	ALASKA			SCALE: N.A			
				DATE: 05-2	26-22		
CONTRACTOR:	ALASKA ENERGY AUTHOR	KIIY		JOB NUMBER	SHEET	NO.	REV
ESCRIPTION:	MISC. DETAIL			460	M15	51	0
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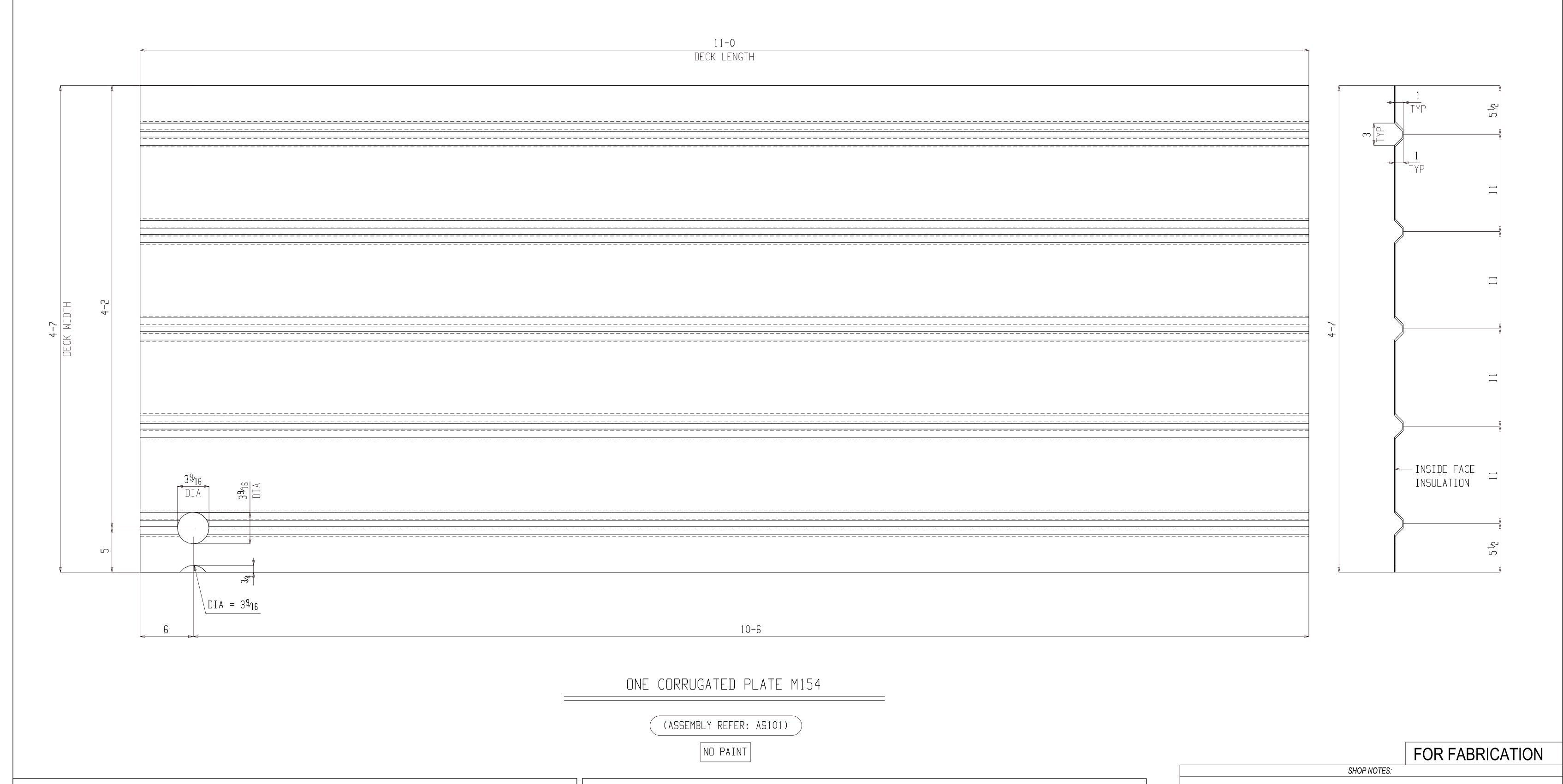
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			BILL OF N	<b>1ATERIA</b>	L						BILL OF I	MATERIA	<b>\L</b>		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M152		ONE (	CORRUGATED PLATE				154								
	M152	1 F	PL14GA×55	11-0			154								

FOF	R FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
For Re-Approval For Approval	ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
OLES ILIN 137 O PAINT U.N. NO DAINT WELDS: F70VV	CLEANING:
HOLES U.N. 13/ <sub>16</sub> Ø PAINT WELDS: 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: MISC. DETAIL	JOB NUMBER SHEET NO. REV  460 M152
JESUNIF HUN. WISC. DETAIL	460 M152 O



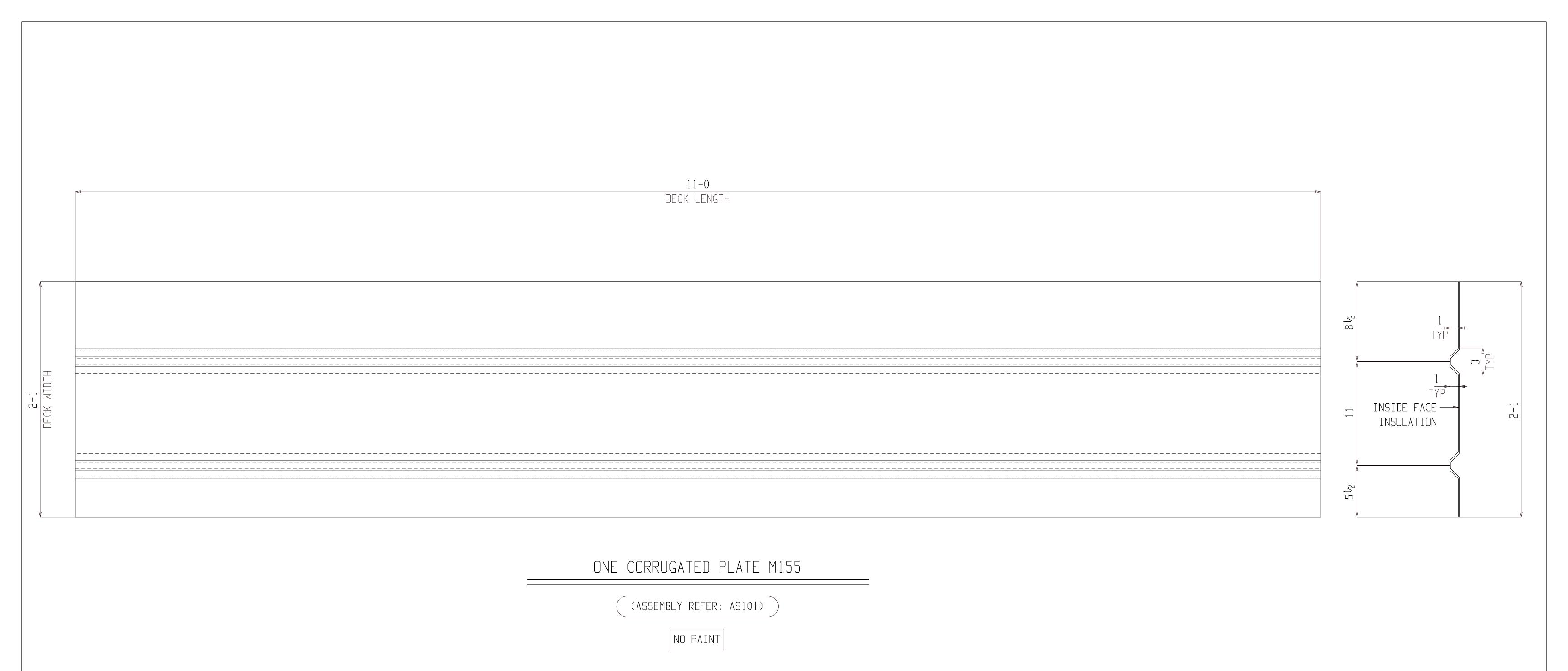
			BILL OF M	1ATERIA							BILL OF N	1ATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M153		ONE	CORRUGATED PLATE				154								
	M153	1	PL14GA×55	11-0			154								

		FOR	FABRI	CATI	ON
	SHOP NOTES:				
REF. DWG/SPEC :					
DEG REF. SPEC. / DW	G:				
	<u>-</u>				
<u> for Fabrication</u>	1			ALN	07-21-22
For Re-Approv	al			ALN	07-13-22
For Approval	DECODIDATION			ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
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			DR. BY: P	KM CHK	K. BY: ALN
JOB NAME:	NAPASKIAK POWER SYSTEM UPGF	TADE	SCALE: N.A.	I CIVI	A.DI. ALIV
LOCATION:	ALASKA		DATE: 05-26-	.22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	IO. REV
DESCRIPTION:	MISC. DETAIL		460	M15	3 /



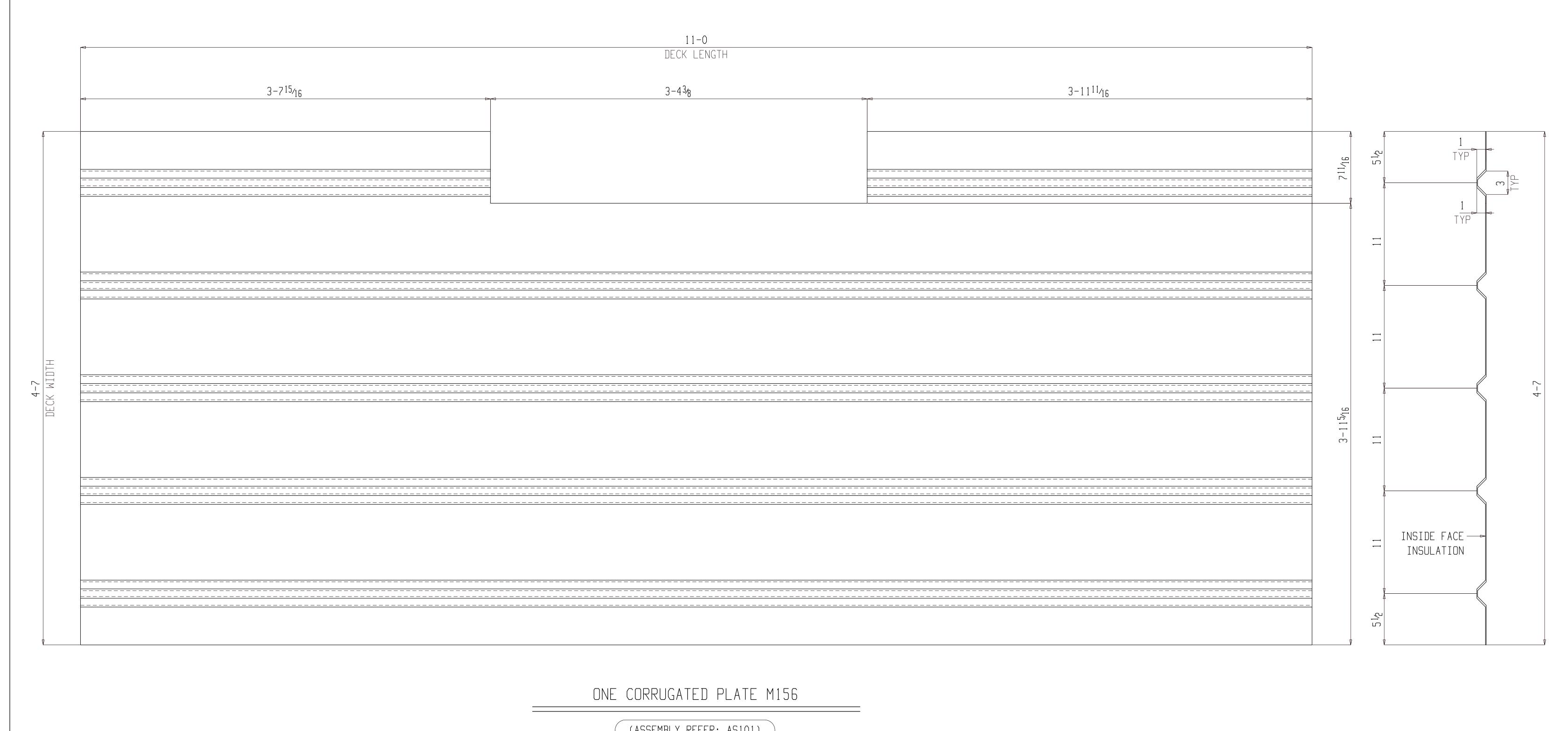
			BILL OF M	1ATERIA	L						BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M154		ONE	CORRUGATED PLATE				154								
	M154	1	PL14GA×55	11-0			154								

		FO	R FABRI	CATI	ON
	SHOP	NOTES:			
REF. DWG/SPEC :					
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For Fabrication	on			ALN	07-21-22
For Re-Appro				ALN	07-21-22
For Fabrication For Re-Approximation For Approval				ALN	07-13-22
REV.	DESCRIPTION			BY	DATE
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				IVM CLIV	' DV. ALNI
IOB NAME:	NAPASKIAK POWER SYST	IEM UPGRADE	DR. BY: P	KM CHK	a. BY: ALN
OCATION:	ALASKA			22	
CONTRACTOR	: ALASKA ENERGY AUTHO	RITY	DATE: 05-26- JOB NUMBER	-ZZ SHEET N	IO. REV
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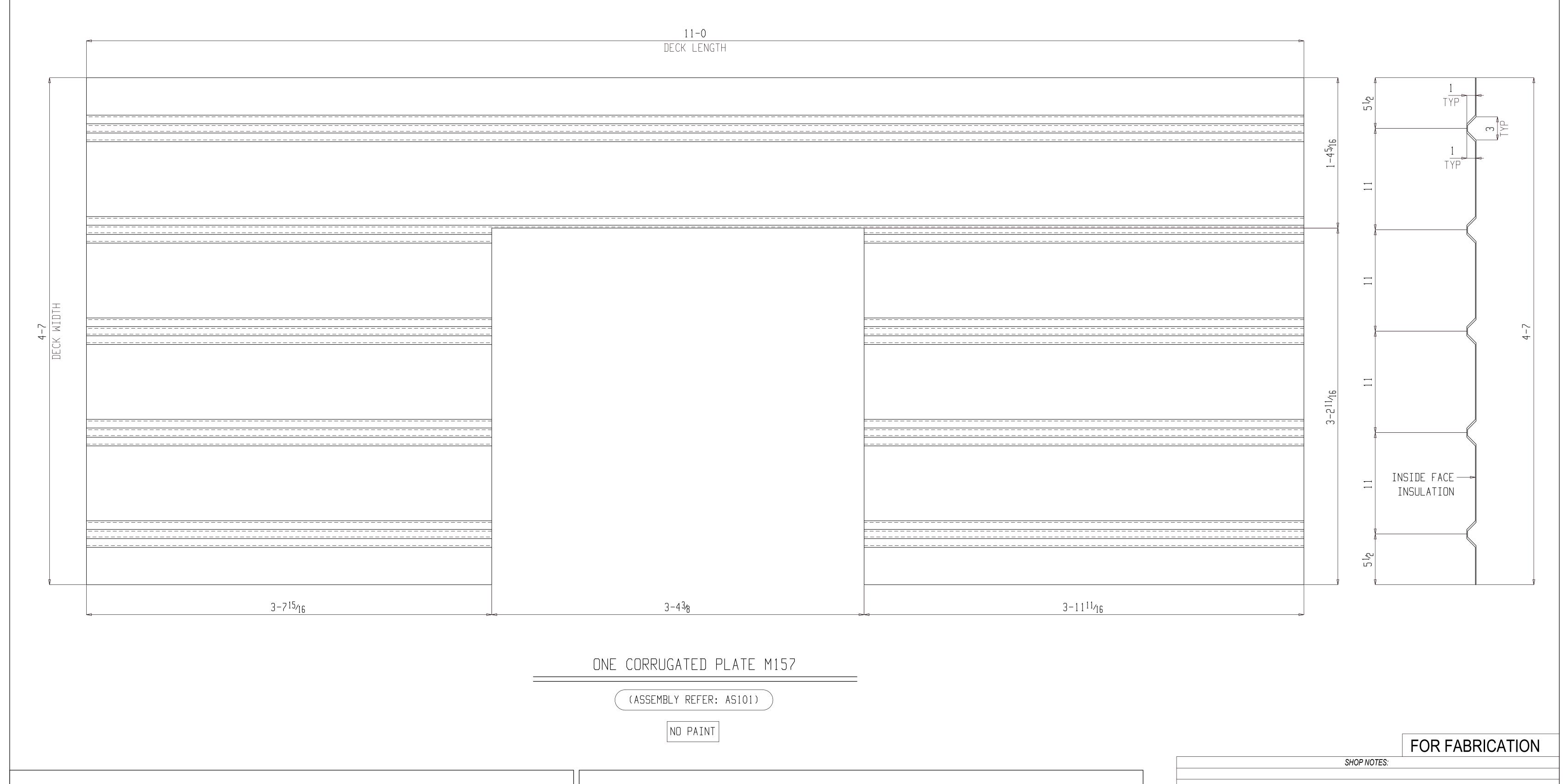
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SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH
MARK	MARK						MARK	MARK						
M155		ONE CORRUGATED PLATE				154								
	M155	1 PL14GA×55	11-0			154								

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			SHOP I	NOTES:							
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	or Re-Approva								ALN	07-	13-22
	or Approval								ALN		06-22
REV.			DESCRIPTION						BY	D/	ATE
IOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEAN	ING:			
JOB NA	ME:	NAPASKIAK	POWER SYST	EM UPG	RADE	DR. E	3Y:	PKM	CHK	. BY:	ALN
LOCATI	ON.	ALASKA				SCAL	.E: N. <i>F</i>	١.			
	_					DATE	: 05-2	26-22			
CONTR	ACTOR:	ALASKA EN	IERGY AUTHOR	<b>ΚΙΙΥ</b>		JOB N	IUMBER	S	HEET N	0.	REV
DESCR	IPTION:	MISC. DETA	<b>AIL</b>			4	60		M158	5	0
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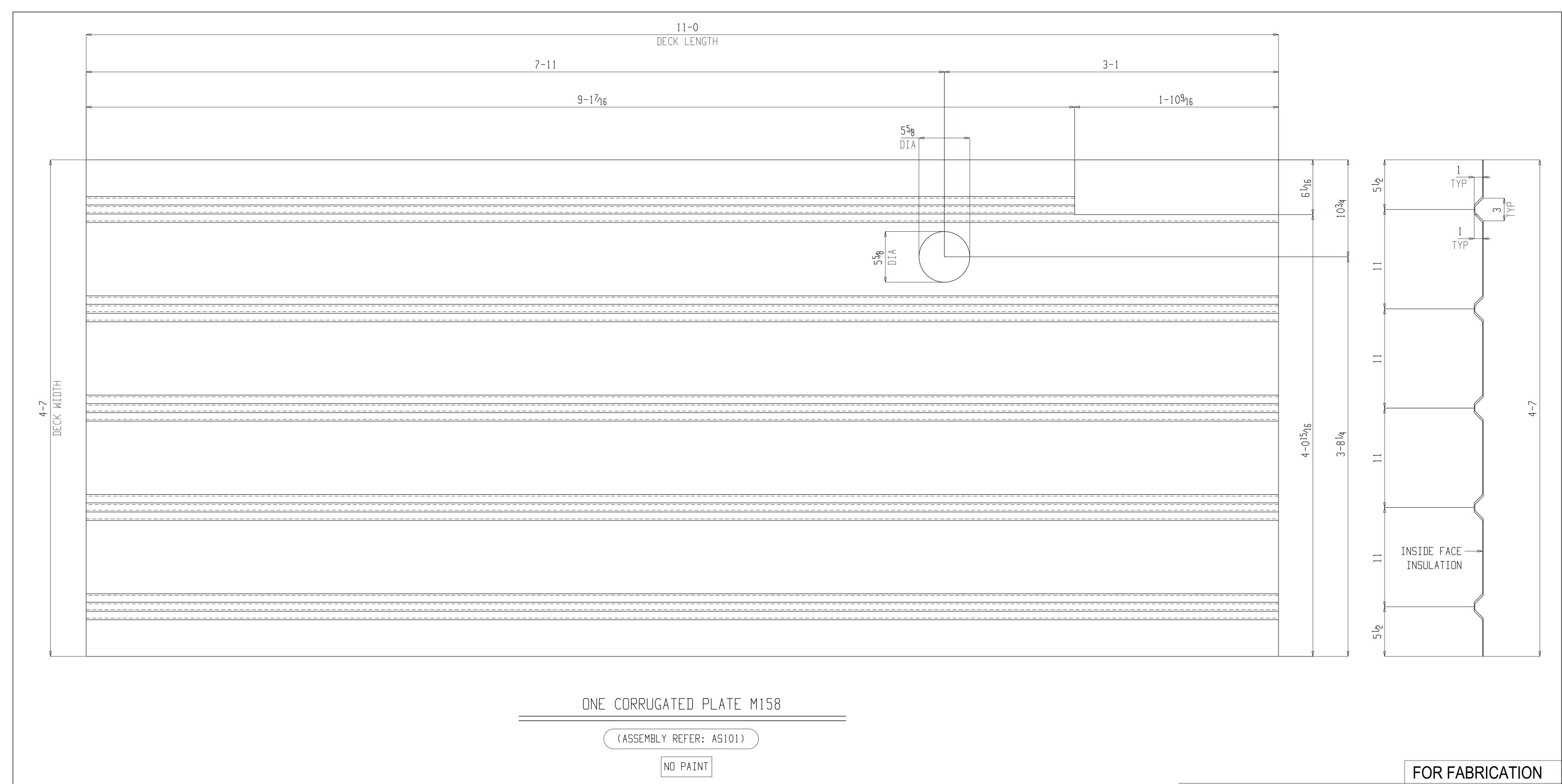
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SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M156		ONE	CORRUGATED PLATE				154								
	M156	1	PL14GA×55	11-0			154								

			FOR	FABRIC	CATI	ON
	SHOP N	IOTES:				
REF. DWG/SPEC :						
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For Fabrication					ALN	07-21-22
For Re-Approval  A For Approval					ALN	07-13-22
For Approval	DECORUDION				ALN	07-06-22
REV.	DESCRIPTION				BY	DATE
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS:	E70XX	CLEANING:		
JOB NAME: NAP	PASKIAK POWER SYST	EM UPGR	RADE	DR. BY: PK	M CHK	(.BY: ALN
OCATION: ALA	SKA			SCALE: N.A.		
	SKA ENERGY AUTHOF	RITY		DATE: 05-26-2		10 DEL
		XIII		JOB NUMBER	SHEET N	
DESCRIPTION: MISC	C. DETAIL			460	M156	$\frac{1}{2}$



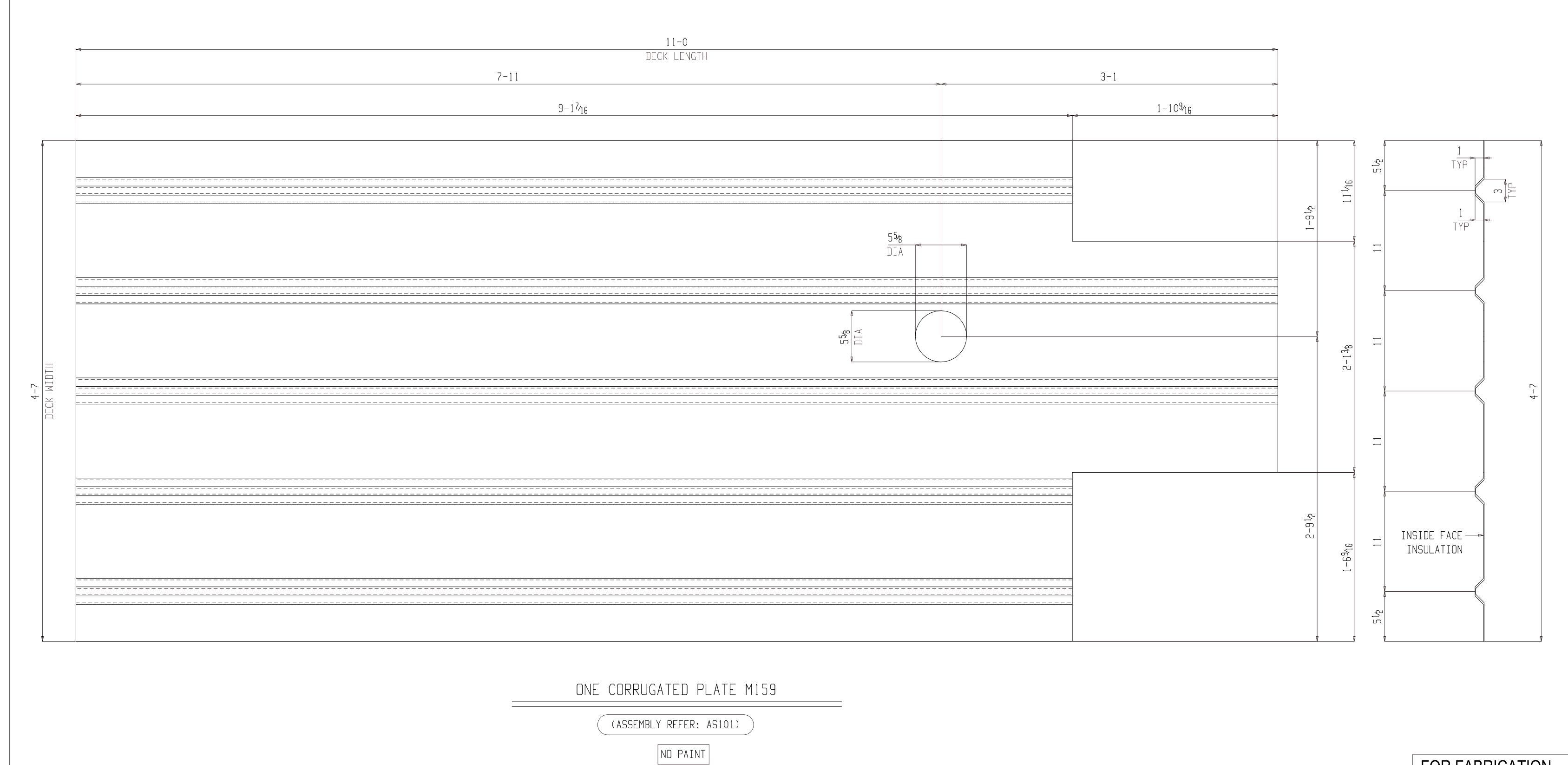
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SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M157		ONE	CORRUGATED PLATE				154								
	M157	1	PL14GA×55	11-0			154								

SHOP NOTES:				ON
REF. DWG/SPEC :				
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<u>for Fabrication</u>			ALN	07-21-22
B 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 UPGF	RADE [	DR. BY: PKM	CHK	.BY: ALN
LOCATION: ALASKA		SCALE: N.A.		
		DATE: 05-26-22		
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET N	O. REV
DESCRIPTION: MISC. DETAIL		460	M157	7 0



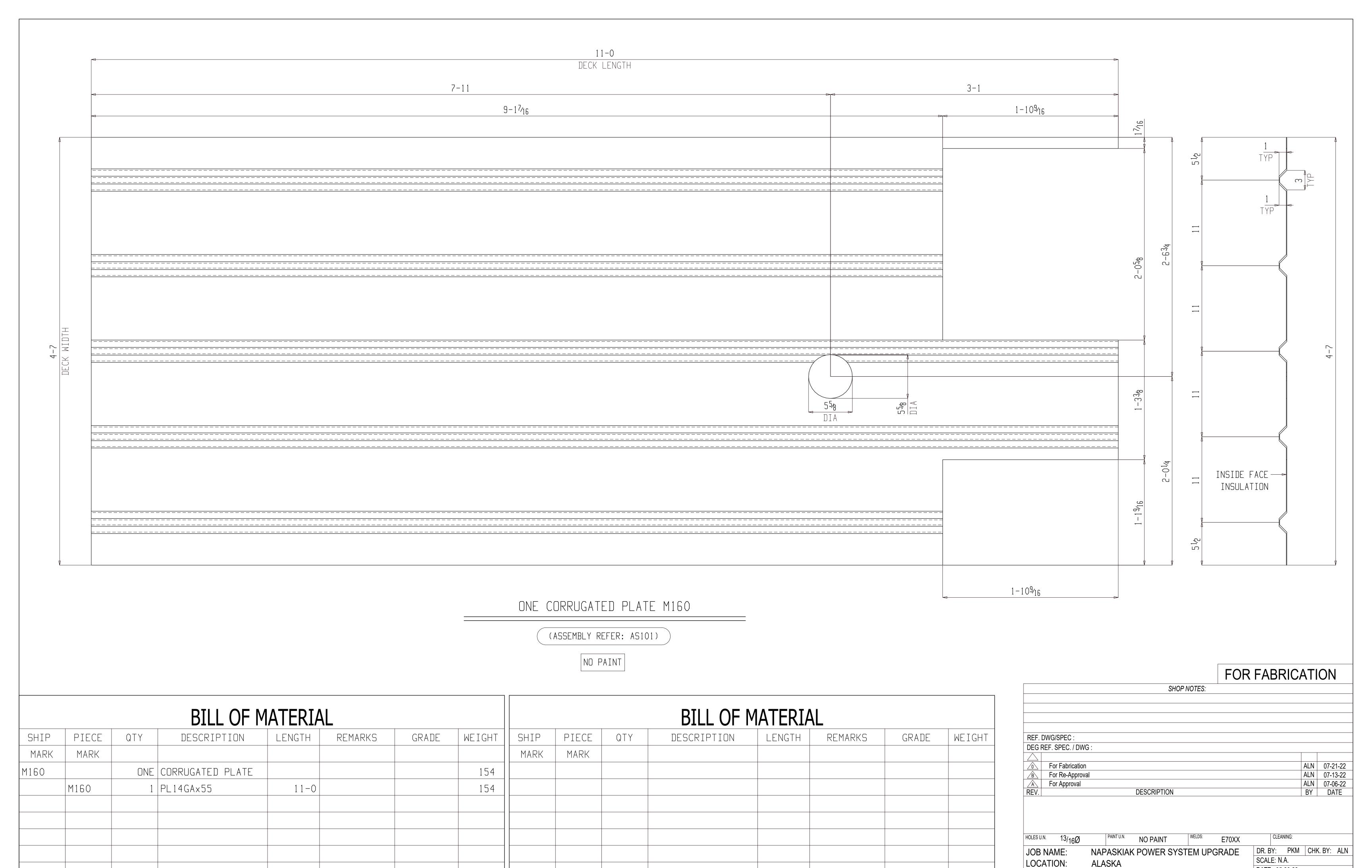
			BILL OF M	1ATERIA				BILL OF MATERIAL									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M158		ONE	CORRUGATED PLATE				154										
	M158	1	PL14GA×55	11-0			154										

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SHOP NOTES:				
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For Fabrication			ALN	07-21-22
For Re-Approval			ALN	07-13-22
For Approval  U. DESCRIPTION			ALN	07-06-22
V. DESCRIPTION			BY	DATE
ES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS:	E70XX	CLEANING	:	
DB NAME: NAPASKIAK POWER SYSTEM UP	GRADE	DR. BY: Pl	KM CHK	(.BY: ALN
CATION: ALASKA		SCALE: N.A.		
ONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26-		IO DEV
ESCRIPTION: MISC. DETAIL		JOB NUMBER 460	SHEET N	
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SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M159		ONE	CORRUGATED PLATE				154										
	M159	1 F	PL14GA×55	11-0			154										
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F. DWG/SPEC:  G REF. SPEC. / DWG:  For Fabrication  ALN 07-21-22  For Re-Approval  For Approval  DESCRIPTION  DESCRIPTION  BY  DATE  OCATION:  ALN 07-13-22  ALN 07-06-22  BY  DATE  DESCRIPTION  DESCRIPTION  DESCRIPTION  WELDS:  E70XX  CLEANING:  DATE  DR. BY: PKM CHK. BY: ALI  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  DESCRIPTION  ALASKA  DATE: 05-26-22  JOB NUMBER SHEET NO. REI  DESCRIPTION  ALASKA  ALASKA  DESCRIPTION  ALASKA  ALASKA  ALASKA  ALASKA  ALASKA  ALASKA  ALASKA  ALASKA  ALASKA  ALA			FOR I	FABR	ICATI	ON	
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G REF. SPEC. / DWG:  For Fabrication ALN 07-21-22 For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 V. DESCRIPTION BY DATE  SUIN. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DCATION: ALASKA  DNTRACTOR: ALASKA ENERGY AUTHORITY  CALEANING:  DR. BY: PKM CHK. BY: ALI SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.							
G REF. SPEC. / DWG:  For Fabrication ALN 07-21-22 For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 V. DESCRIPTION BY DATE  SUIN. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DCATION: ALASKA  DNTRACTOR: ALASKA ENERGY AUTHORITY  CALEANING:  DR. BY: PKM CHK. BY: ALI SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.							
G REF. SPEC. / DWG:  For Fabrication ALN 07-21-22 For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 V. DESCRIPTION BY DATE  SUIN. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DCATION: ALASKA  DNTRACTOR: ALASKA ENERGY AUTHORITY  CALEANING:  DR. BY: PKM CHK. BY: ALI SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.							
G REF. SPEC. / DWG:  For Fabrication ALN 07-21-22 For Re-Approval ALN 07-13-22 For Approval ALN 07-06-22 V. DESCRIPTION BY DATE  SUIN. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  DB NAME: NAPASKIAK POWER SYSTEM UPGRADE DCATION: ALASKA  DNTRACTOR: ALASKA ENERGY AUTHORITY  CALEANING:  DR. BY: PKM CHK. BY: ALI SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.							
For Fabrication For Re-Approval For Approval  DESCRIPTION  PAINT U.N. NO PAINT  DESCRIPTION  PAINT U.N. NO PAINT  DESCRIPTION  BY  CLEANING:  DR. BY: PKM CHK. BY: ALM  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.							
For Re-Approval For Approval DESCRIPTION  PAINT U.N. NO PAINT DESCRIPTION  BY DATE  CLEANING: DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REV	G REF. SPEC. / DW	G:					
For Re-Approval For Approval DESCRIPTION  PAINT U.N. NO PAINT DESCRIPTION  BY DATE  CLEANING: DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REV					ALNI	07.0	4 00
For Approval  V. DESCRIPTION  DESCRIPTION  PAINT U.N. NO PAINT WELDS: E70XX  DB NAME: NAPASKIAK POWER SYSTEM UPGRADE OCATION: ALASKA  DNTRACTOR: ALASKA ENERGY AUTHORITY  ALN 07-06-22  BY DATE  DR. BY: PKM CHK. BY: ALI  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV							
DESCRIPTION  BY DATE  OB NAME:  NAPASKIAK POWER SYSTEM UPGRADE OCATION:  ALASKA  ONTRACTOR:  ALASKA ENERGY AUTHORITY  DESCRIPTION  WELDS:  E70XX  CLEANING:  DR. BY:  PKM CHK. BY: ALI  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV		di					
PAINT U.N. NO PAINT WELDS: E70XX  OB NAME: NAPASKIAK POWER SYSTEM UPGRADE OCATION: ALASKA  ONTRACTOR: ALASKA ENERGY AUTHORITY  OCATION: ALASKA ENERGY AUTHORITY  OCATION: SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.	V.	DESCRIPTION					
DR. BY: PKM CHK. BY: ALM SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.  DR. BY: PKM CHK. BY: ALM SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.	ES U.N. 13/16/7	PAINT U.N. NO PAINT WELDS:	F70XX	CLEANIN	ĪG:		
OCATION: ALASKA ENERGY AUTHORITY  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV				DR RV·	PKM CHI	( RV·	ΔΙΝ
DATE: 05-26-22  DATE: 05-26-22  JOB NUMBER SHEET NO. REV						υ i .	
ONTRACTOR: ALASKA ENERGY AUTHORITY  JOB NUMBER SHEET NO. REV		· ·—· · · · · ·	_				
SCRIPTION: MISC. DETAIL 460 M159	ONTRACTOR:	ALASKA ENERGY AUTHORITY				10.	REV
	SCRIPTION:	MISC. DETAIL		460	M15	9	0
		WIIOO. DE I/ VIE		100	10110		

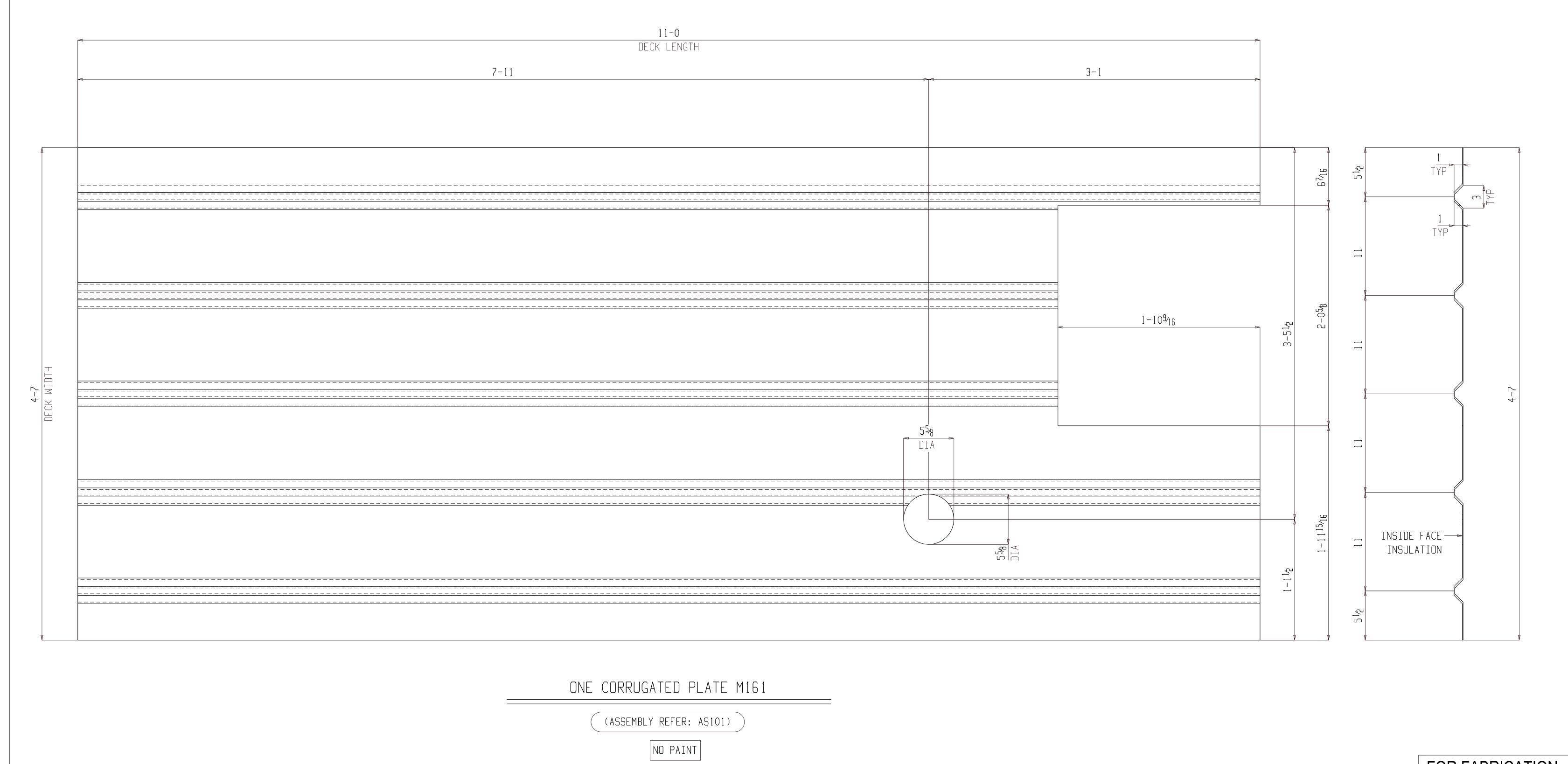


DATE: 05-26-22

JOB NUMBER SHEET NO. REV

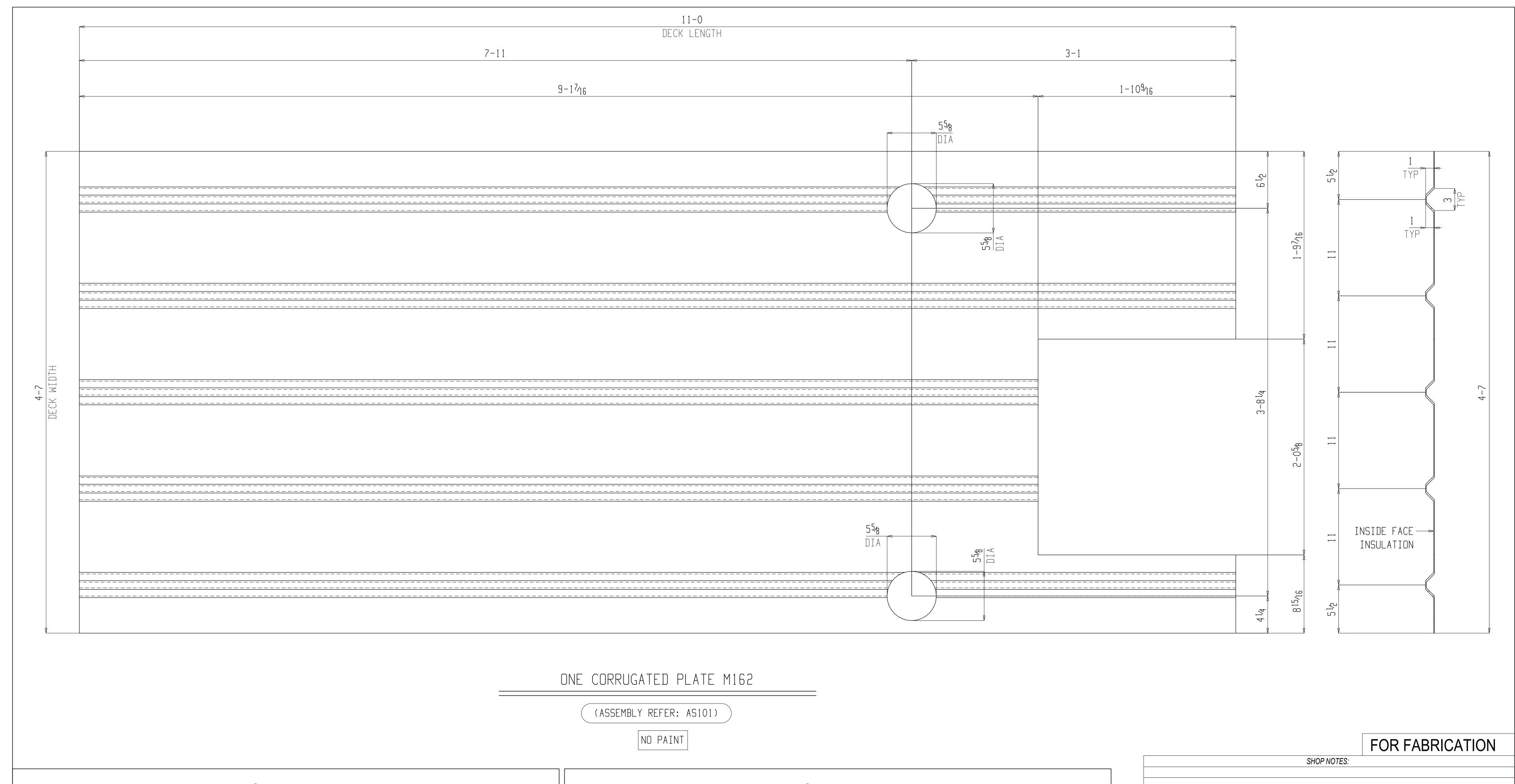
CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: MISC. DETAIL



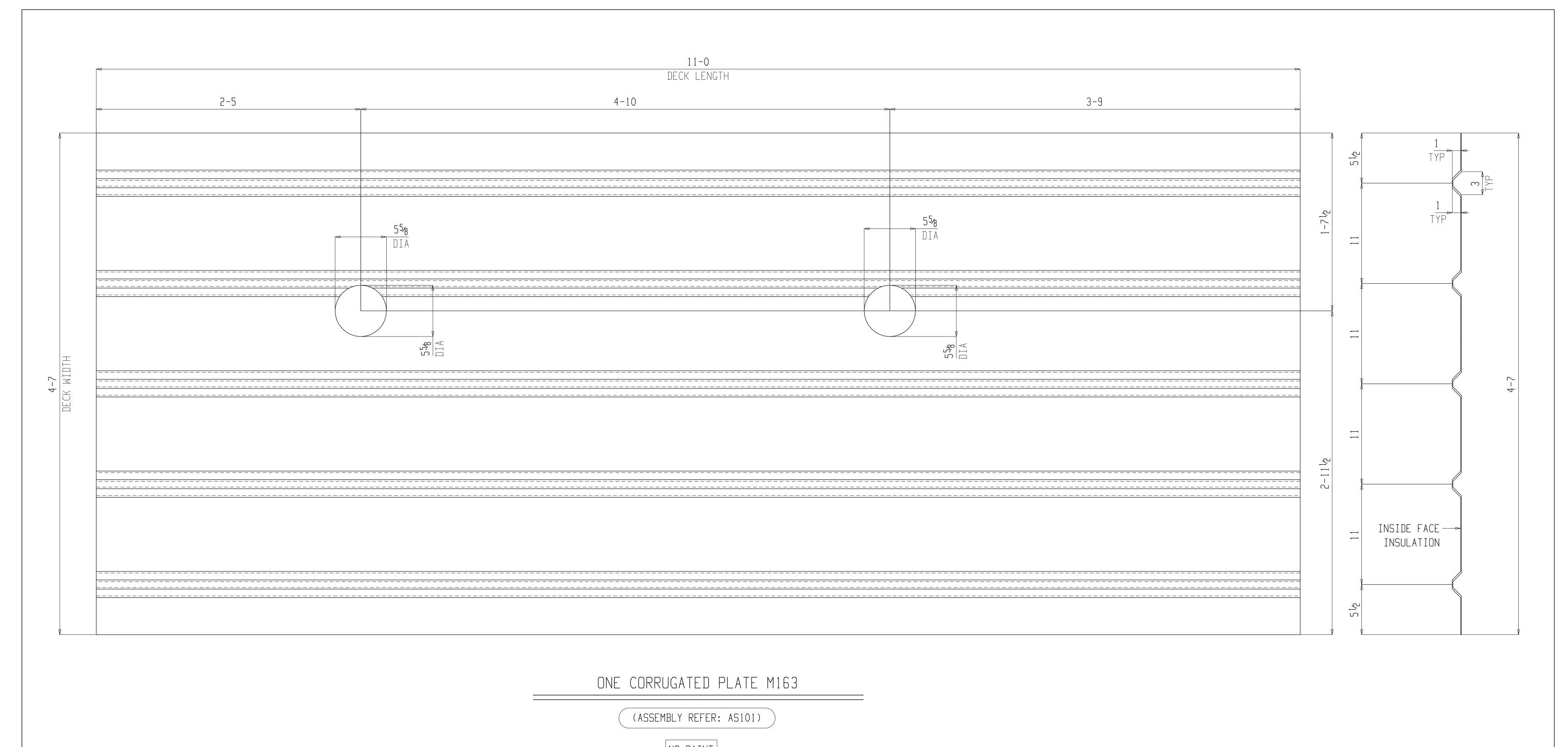
		BILL OF N	1ATERIA	<b>\</b> L						BILL OF N	MATERIA	<b>L</b>		
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
M161		ONE CORRUGATED PLATE				154								
	M161	1 PL14GA×55	11-0			154								

	FO	R FABRICATION
	SHOP NOTES:	
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG		
A For Fobrication		ALN 07.24.22
For Fabrication  For Re-Approval		ALN 07-21-22 ALN 07-13-22
For Re-Approval  A For Approval		ALN 07-13-22 ALN 07-06-22
REV.	DESCRIPTION	BY DATE
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:
		DR. BY: PKM CHK. BY: ALN
<u>-</u>	NAPASKIAK POWER SYSTEM UPGRADE	SCALE: N.A.
LOCATION:	ALASKA	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22  JOB NUMBER   SHEET NO.   REV
DESCRIPTION:	MISC. DETAIL	460 M161
DECOMITION.	WIIOO. DE IAIL	100   101101   20



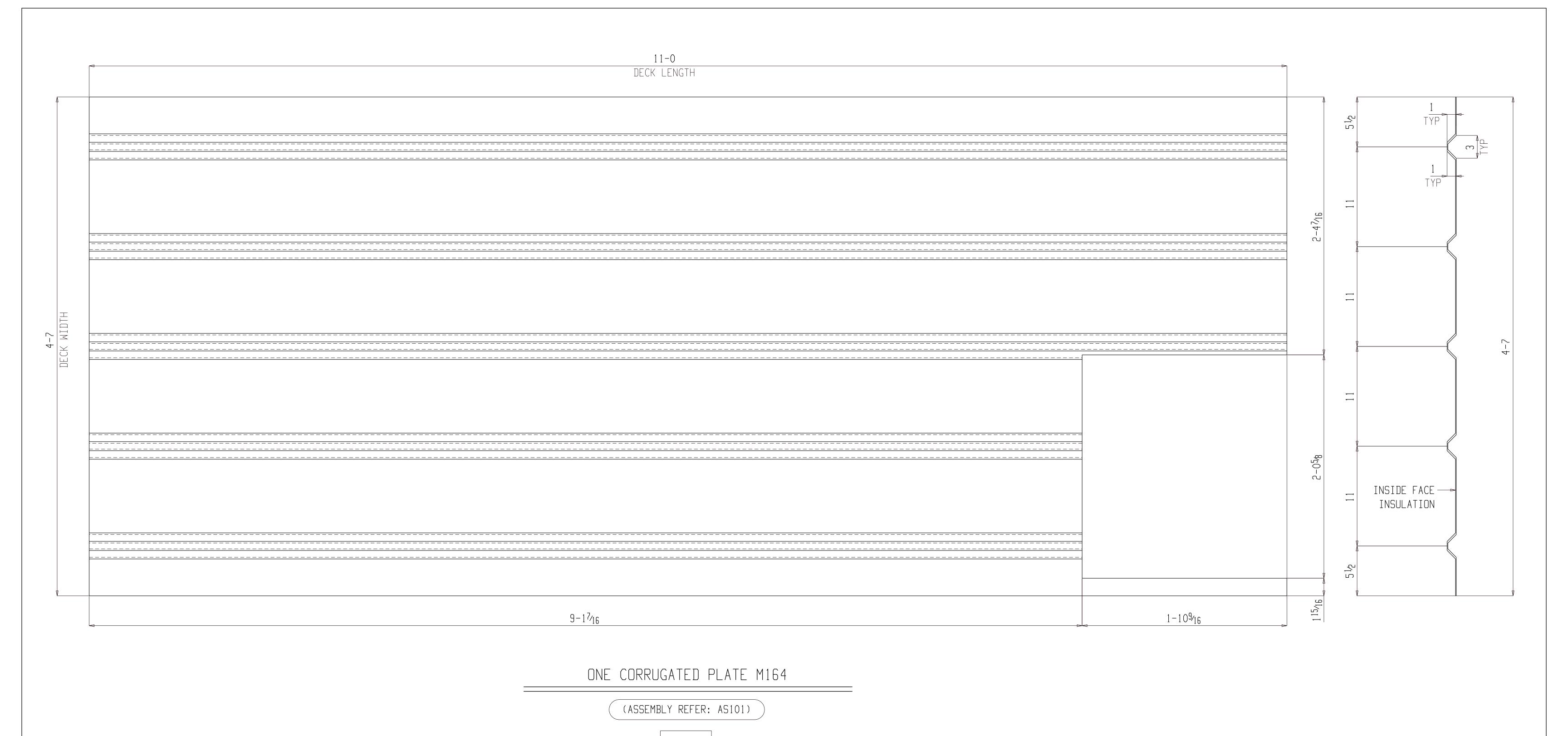
			BILL OF M	1ATERIA	L			BILL OF MATERIAL									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M162		ONE	CORRUGATED PLATE				154										
	M162	1	PL14GA×55	11-0			154										

REF. DWG/SPEC:  DEG REF. SPEC. / DWG:  O For Fabrication  B For Re-Approval		LN 07-2	
DEG REF. SPEC. / DWG :  Once The Property of the Control of the Co		J N 07-2	
DEG REF. SPEC. / DWG :      For Fabrication		J N 07-2	
DEG REF. SPEC. / DWG :  One of the property of		J N 07-2	
DEG REF. SPEC. / DWG :  One of the property of		J N 07-2	
DEG REF. SPEC. / DWG :  One of the property of		J N 07-2	
For Fabrication		J N 07-2	
		J N 07-2	
		JN 07-2	
For Re-Approval	Λ.		21-22
			3-22
A For Approval			)6-22
REV. DESCRIPTION	E	BY DA	ATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:		
		<b>A</b> 1117 <b>B</b> 37	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		CHK. BY:	ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22		
		EET NO.	REV
DESCRIPTION: MISC. DETAIL	460 M	1162	0



			BILL OF M	IATERIA				BILL OF MATERIAL									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M163		ONE	CORRUGATED PLATE				154										
	M163	1	PL14GA×55	11-0			154										

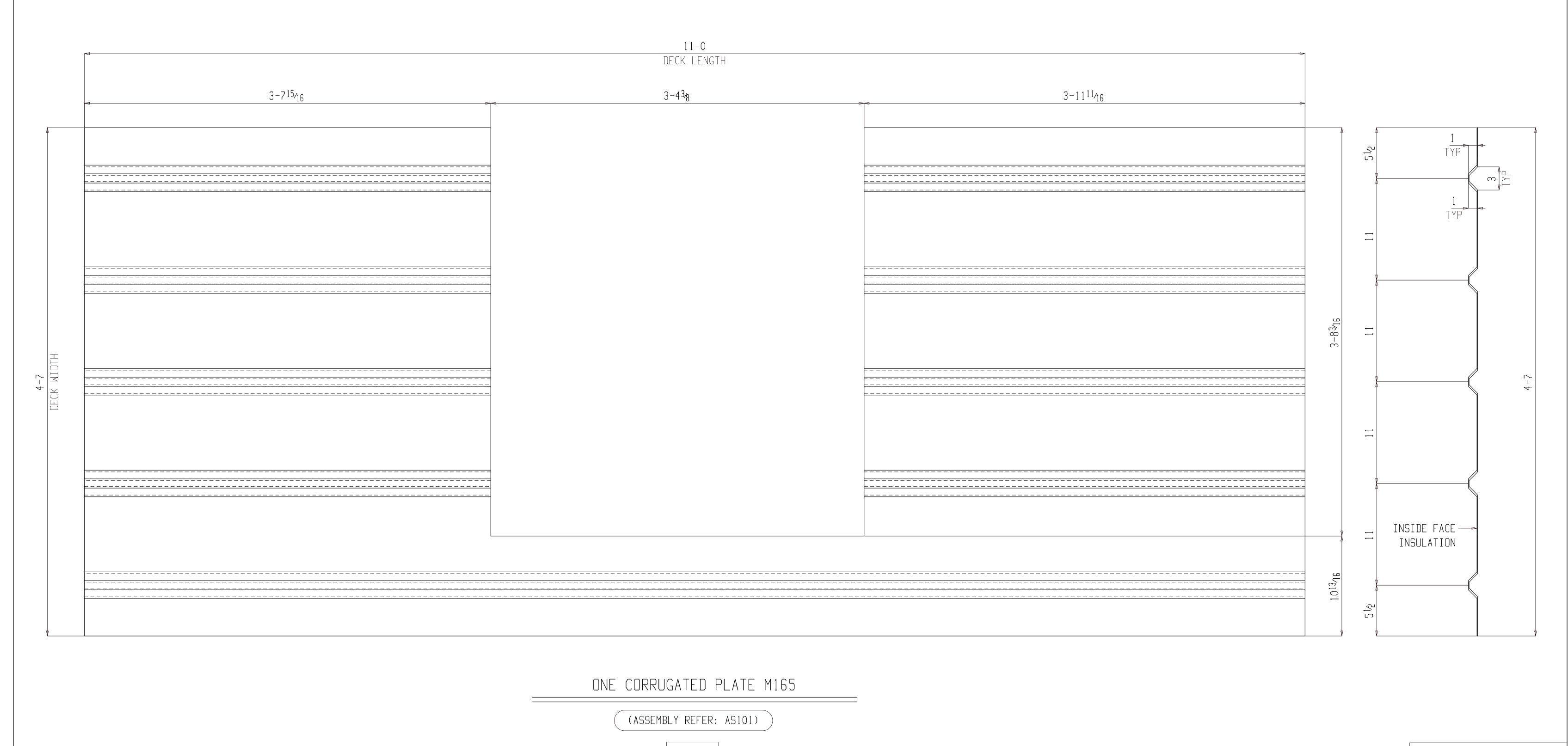
	F	OR FABRIC	CATION
	SHOP NOTES:		
REF. DWG/SPEC :			
DEG REF. SPEC. / DWO	<b>3</b> :		
for Fabrication			ALN 07-21-22
For Re-Approva			ALN 07-13-22
A For Approval			ALN 07-06-22
REV.	DESCRIPTION		BY DATE
HOLES U.N. 13/400	PAINT U.N. NO DAINT WELDS: ET	CLEANING:	
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70	JAA	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRAI		M CHK. BY: ALN
LOCATION:	ALASKA	SCALE: N.A.	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22	
		JOB NUMBER	SHEET NO. REV
DESCRIPTION:	MISC. DETAIL	460	M163 /



BILL OF MATERIAL BILL OF MATERIAL PIECE QTY DESCRIPTION REMARKS GRADE WEIGHT SHIP DESCRIPTION REMARKS GRADE WEIGHT MARK MARK MARK ONE CORRUGATED PLATE 154

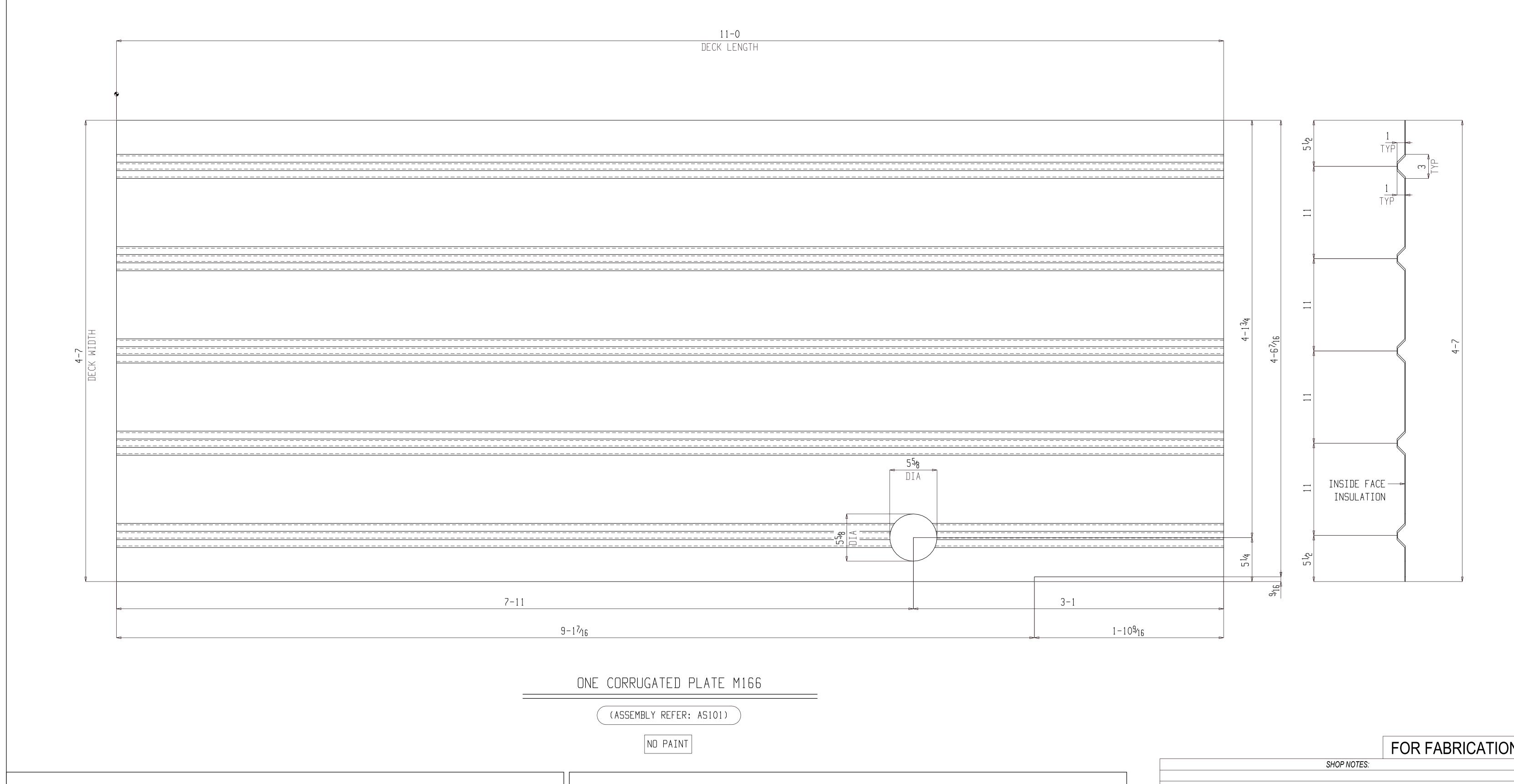
SHIP M164 1 PL14GAx55 11-0 154

FO	R 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 CHK. BY: ALN
LOCATION: ALASKA	SCALE: N.A.
	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460 M164



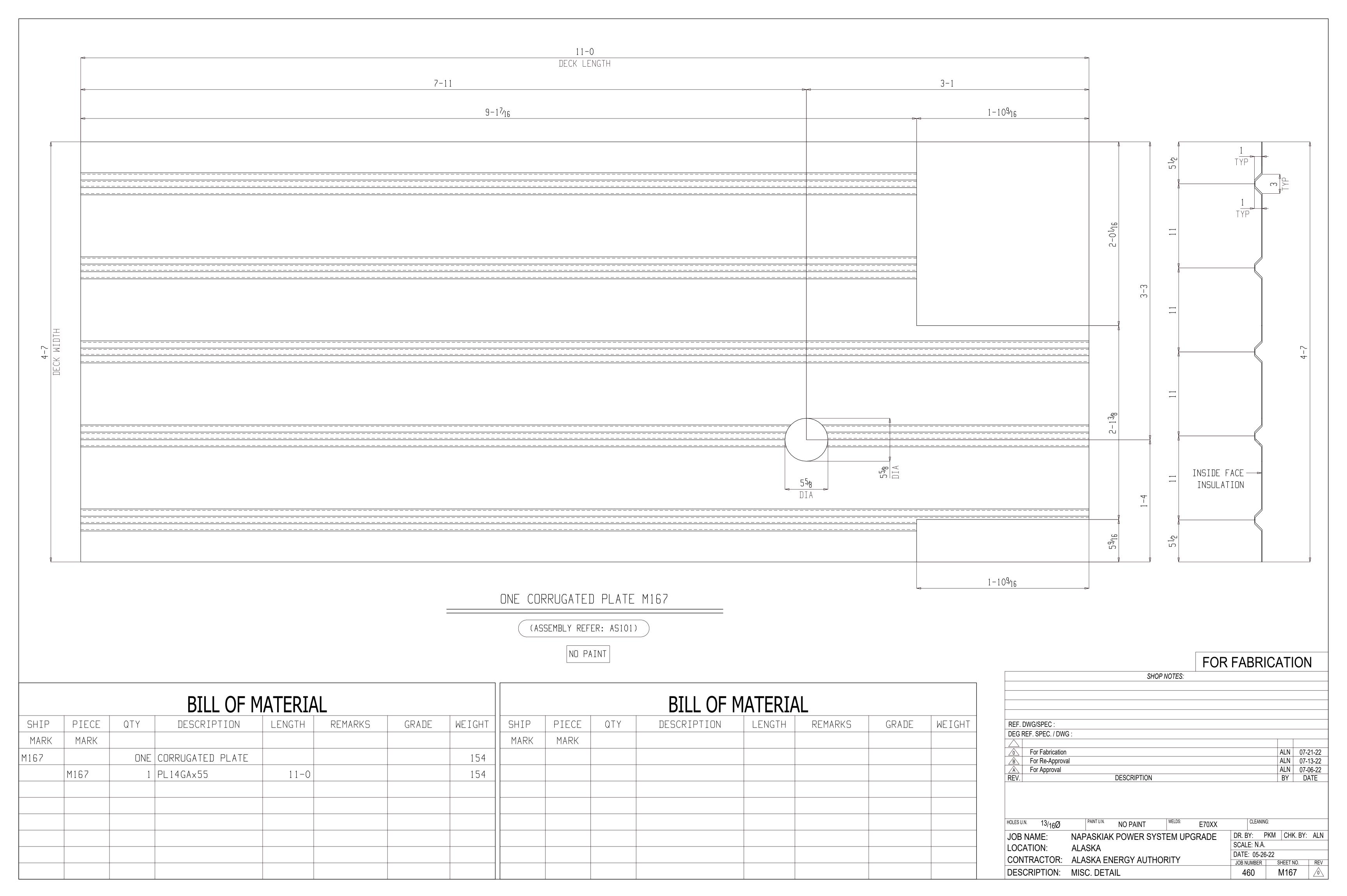
	BILL OF MATERIAL  P PIECE OTY DESCRIPTION LENGTH REMARKS GRADE N							BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M165		ONE	CORRUGATED PLATE				154									
	M165	1	PL14GA×55	11-0			154									

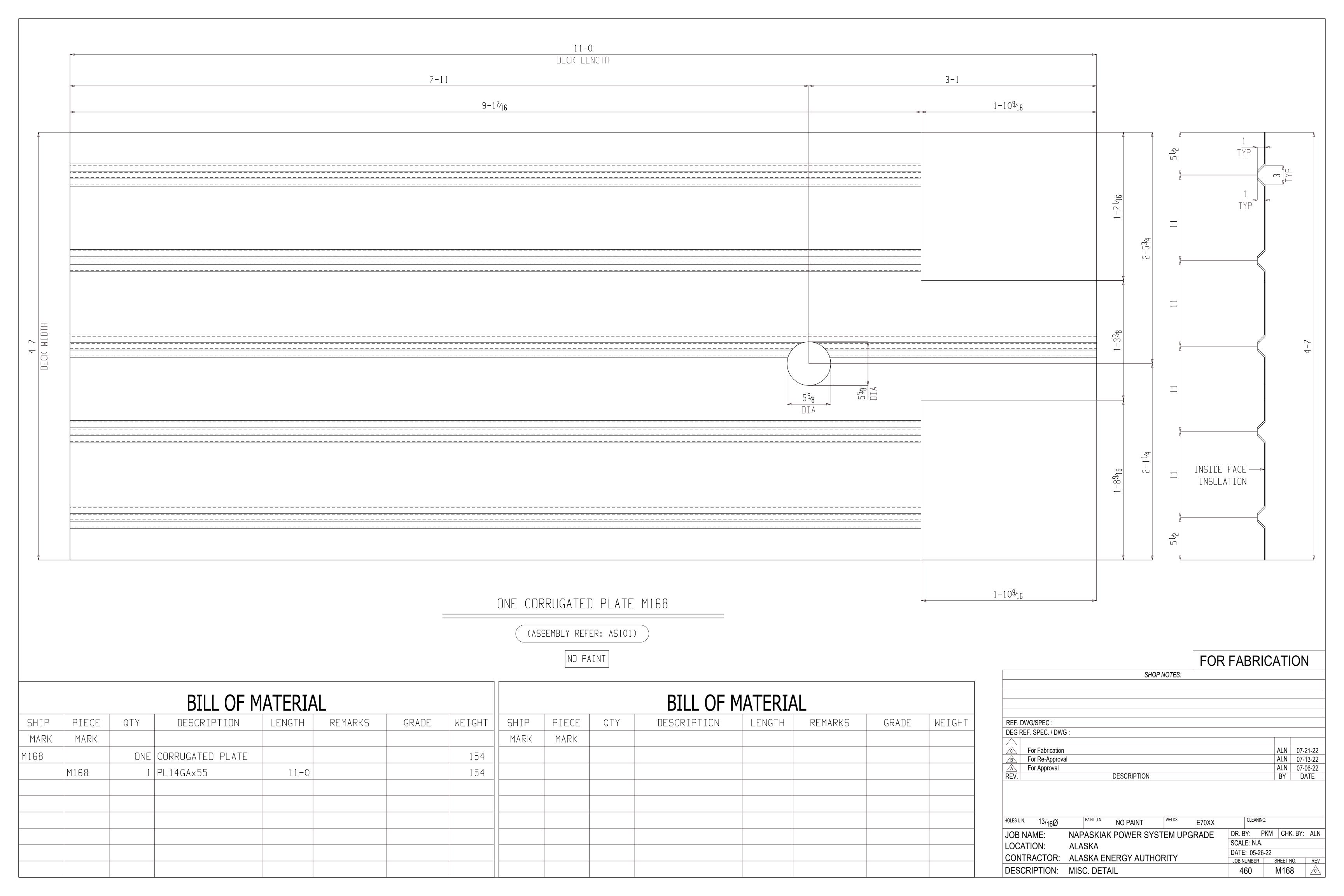
F	FOR FABRIC	ATION
SHOP NOTES:		
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG :		
For Fabrication		ALN 07-21-22
For Re-Approval		ALN 07-13-22
A For Approval		ALN 07-06-22
REV. DESCRIPTION		BY DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E7	OXX CLEANING:	
		M CHK. BY: ALN
JOB NAME: NAPASKIAK POWER SYSTEM UPGRA	SCALE: N.A.	A OHIV. DI. ALIV
LOCATION: ALASKA		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22 JOB NUMBER	SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460	M165 $\boxed{0}$

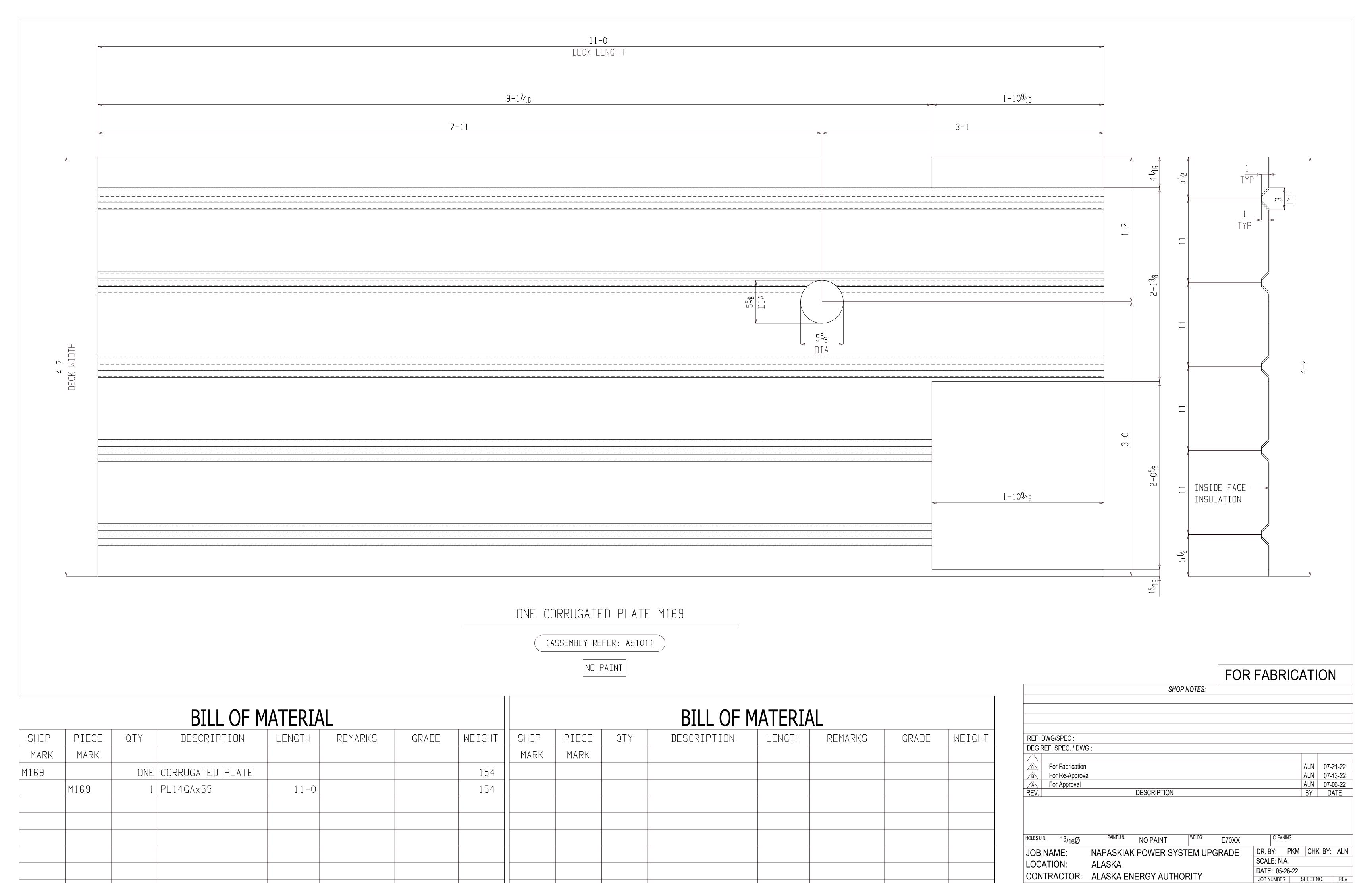


			BILL OF M	1ATERIA							BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M166		ONE	CORRUGATED PLATE				154								
	M166	1	PL14GA×55	11-0			154								

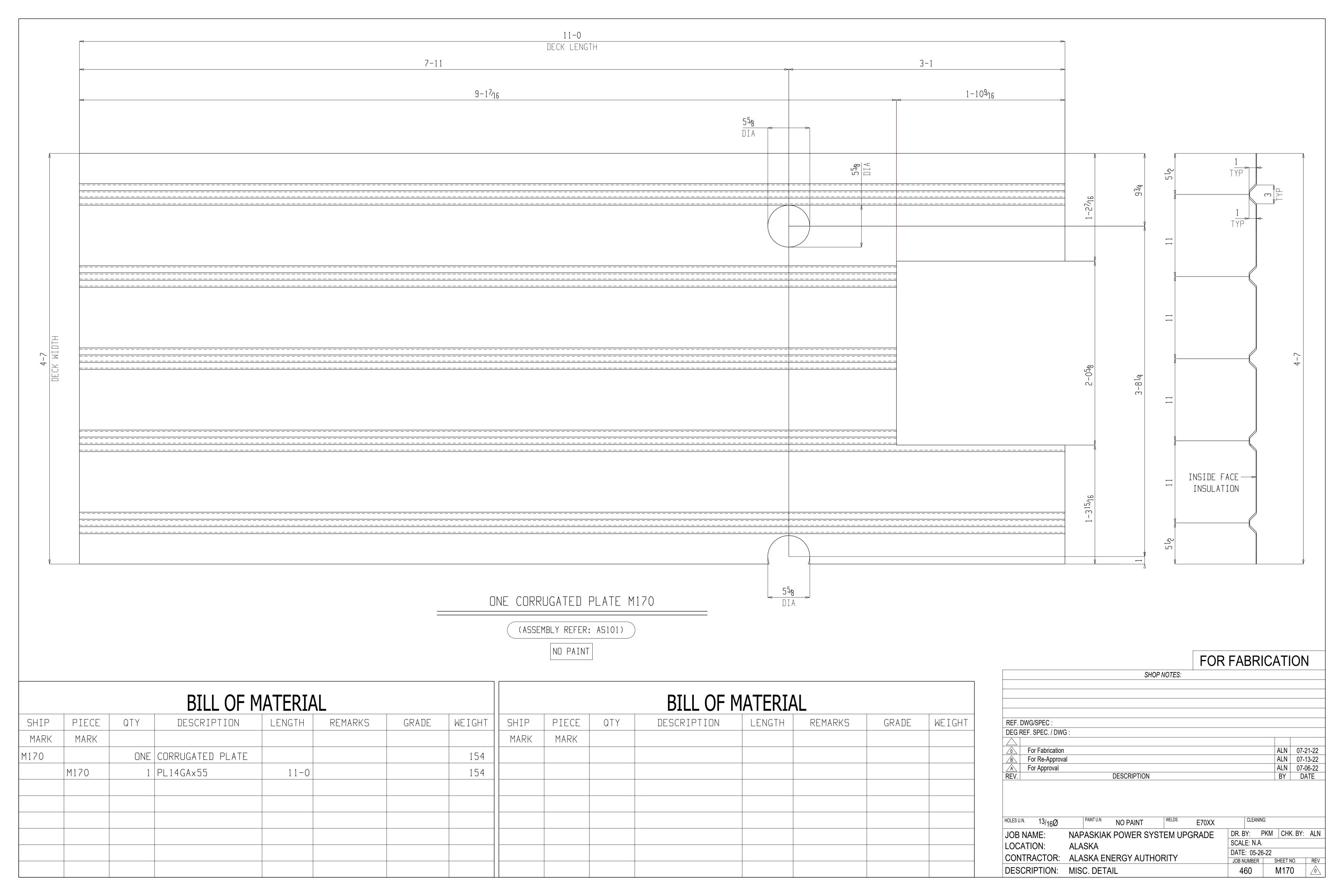
FOR FABR	ICATI	ON
SHOP NOTES:		
REF. DWG/SPEC:		
DEG REF. SPEC. / DWG:		
For Fabrication	ALN	07-21-22
For Re-Approval	ALN	07-13-22
A For Approval	ALN	07-06-22
REV. DESCRIPTION	BY	DATE
HOLES U.N. 13/4000 PAINT U.N. NO DAINT WELDS: E70VV CLEANIN	NG:	
19/16W NO PAINT E70XX		
JOD NAME. NAMA AGNIANT OVIET OT OTTEM OF OTABLE		C. BY: ALN
LOCATION: ALASKA SCALE: N.A		
CONTRACTOR: ALASKA ENERGY ALITHORITY DATE: 05-2		
JOD NOWIDEN	SHEET N	
DESCRIPTION: MISC. DETAIL 460	M166	$\beta \mid \triangle$

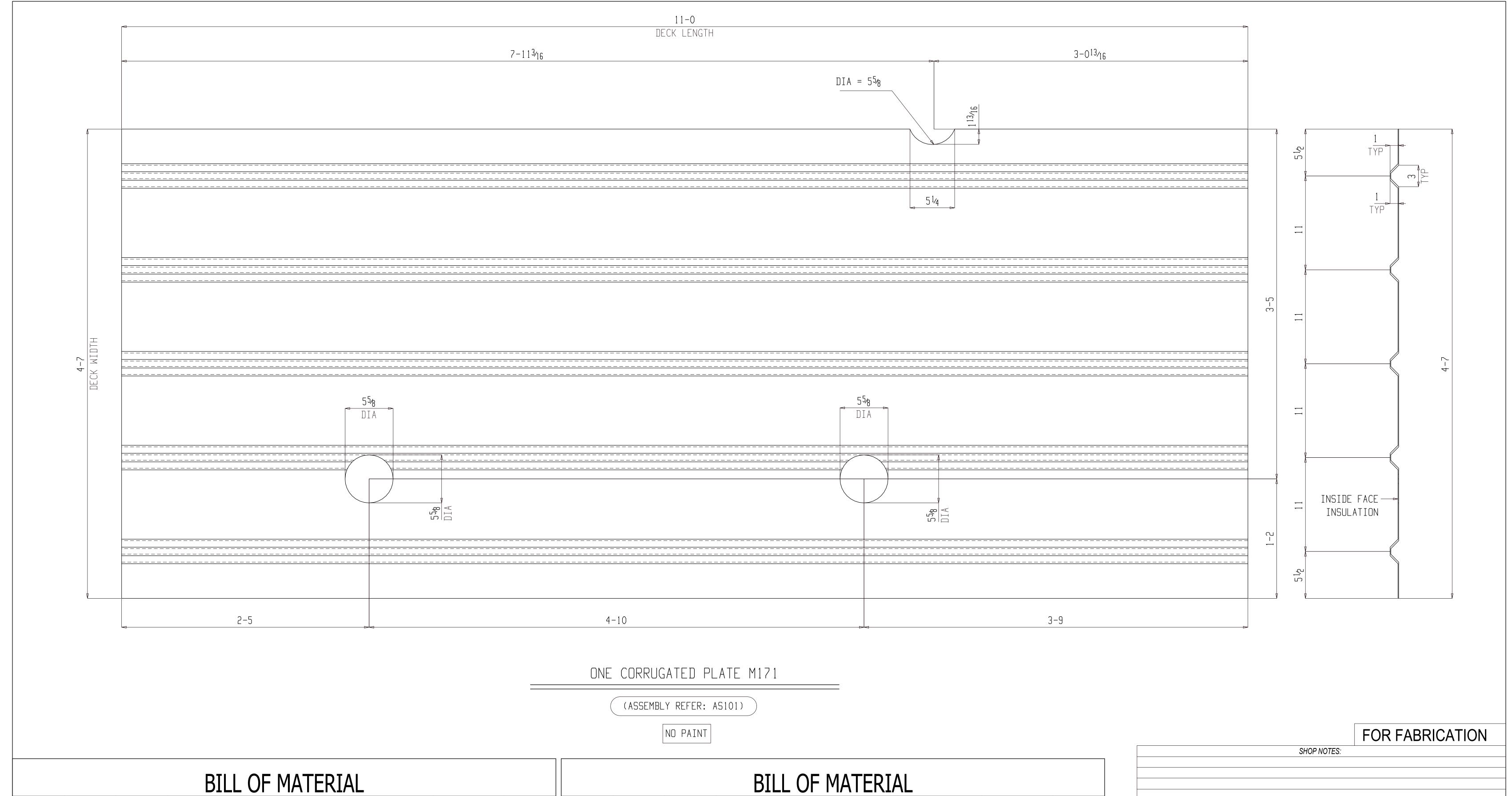






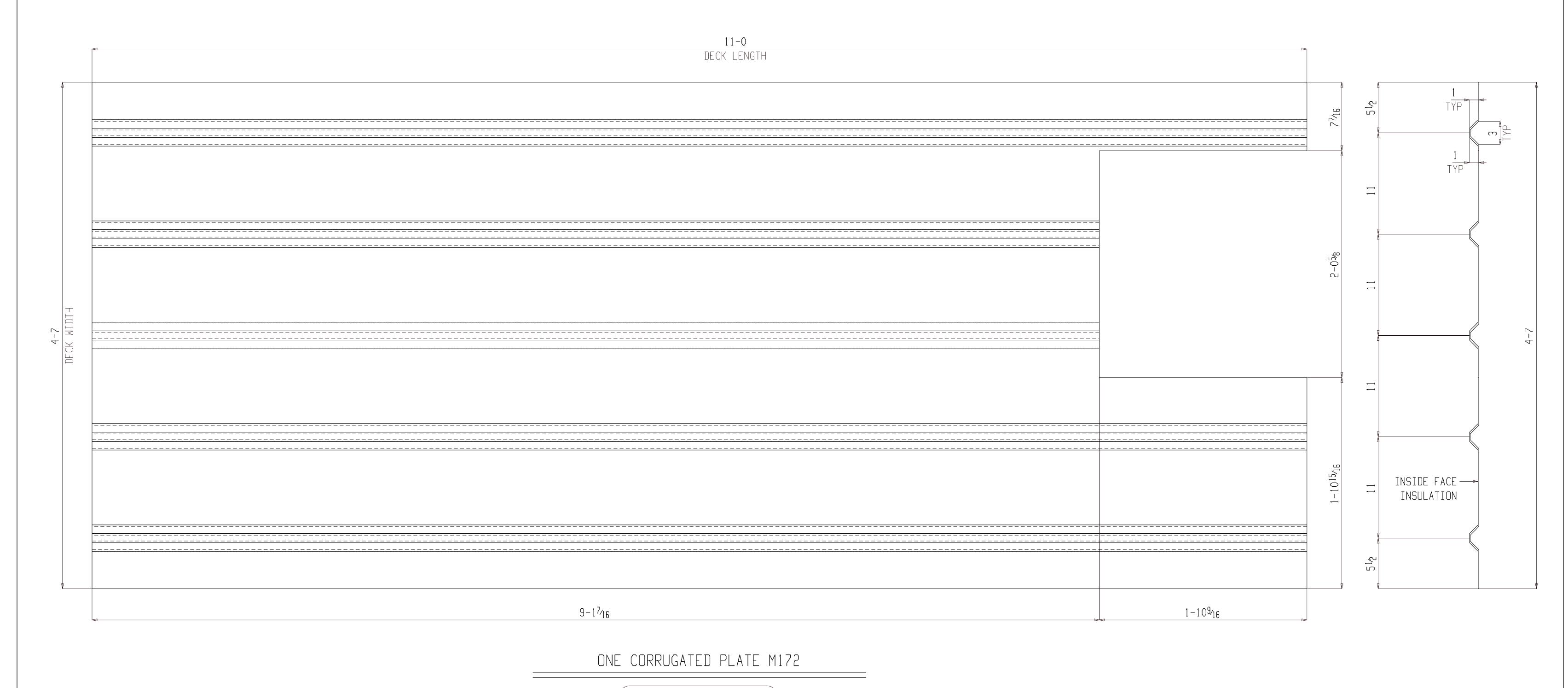
DESCRIPTION: MISC. DETAIL





			BILL OF M	1ATERIA	L						BILL OF M	1ATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M171		ONE	CORRUGATED PLATE				154								
	M171	1	PL14GA×55	11-0			154								

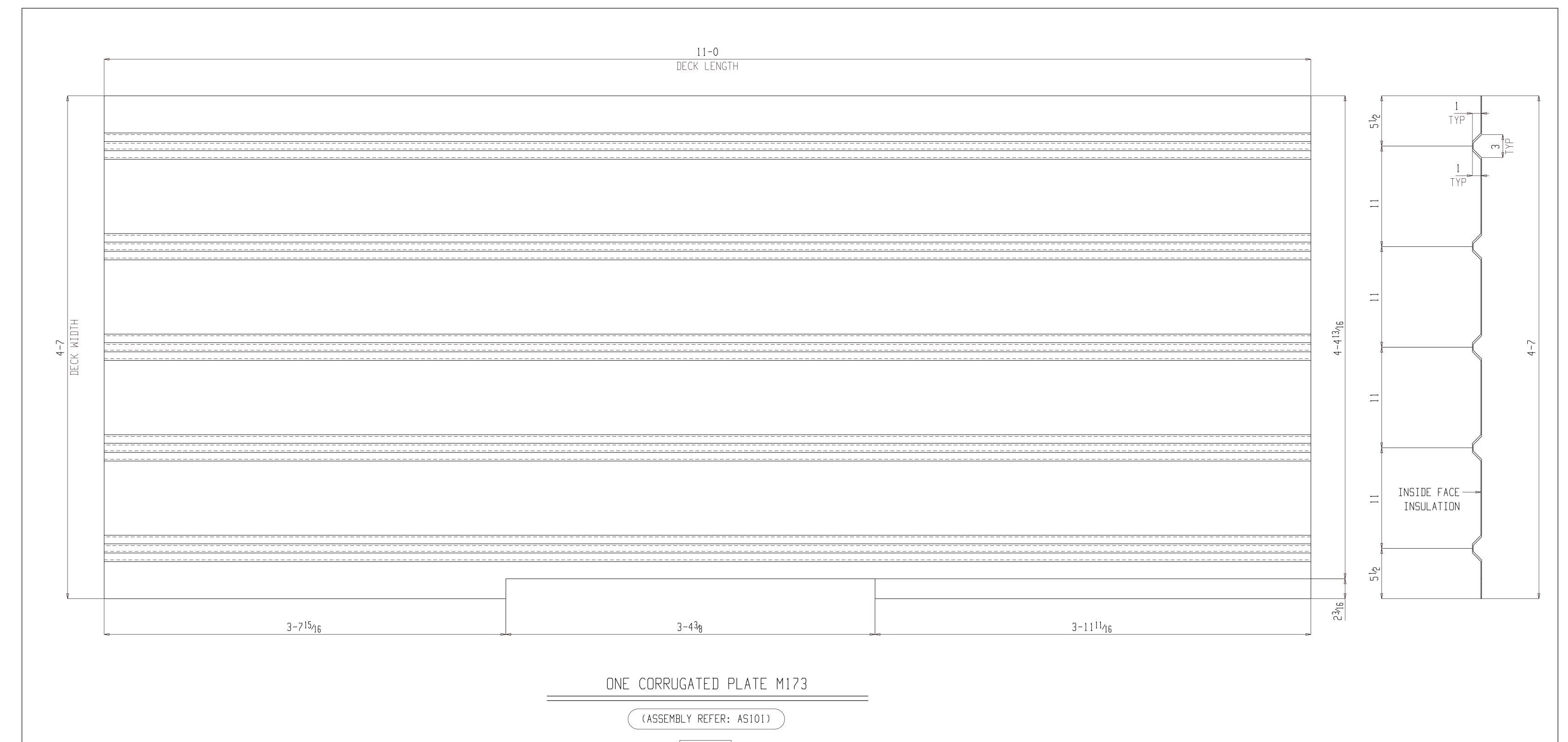
		FOR	FABRI	CATI	ON
	SHOP NOT	ES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG	:				
For Fabrication				ALN	07-21-22
For Re-Approva				ALN	07-13-22
A For Approval				ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WEL	DS: E70XX	CLEANING	<u>)</u>	
JOB NAME:	NAPASKIAK POWER SYSTEM	/ LIDCRADE	DR. BY: P	KM CHK	BY: ALN
		I OI OINADE	SCALE: N.A.	1 11	
LOCATION:	ALASKA		DATE: 05-26	-22	
CONTRACTOR:	ALASKA ENERGY AUTHORIT	Υ	JOB NUMBER	SHEET NO	D. REV
DESCRIPTION:	MISC. DETAIL		460	M171	0
			<u> </u>		I



			BILL OF M	1ATERIA							BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M172		ONE	CORRUGATED PLATE				154								
	M172	1	PL14GAx55	11-0			154								

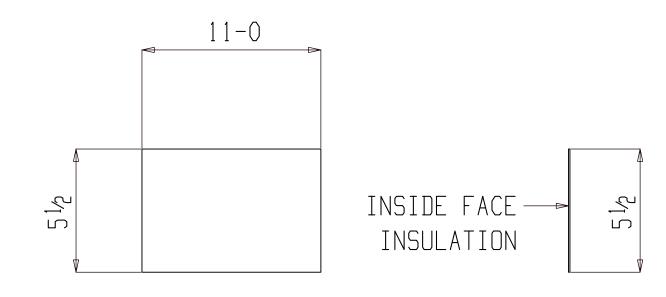
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			FABRI		
	SHOP	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DW	'G :				
For Fabrication	<u> </u>			ALN	07-21-22
B For Re-Approv				ALN	07-21-22
A For Approval	G.			ALN	07-06-22
EV.	DESCRIPTION			BY	DATE
DLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
OB NAME:	NAPASKIAK POWER SYST	TEM UPGRADE	DR. BY:	PKM CHK.	BY: ALI
OCATION:	ALASKA		SCALE: N.A.	'	
CONTRACTOR:		RITV	DATE: 05-26		
		IXIII	JOB NUMBER	SHEET NO	
ESCRIPTION:	MISC. DETAIL		460	M172	0



		BILL OF	MATERIA	<b>\L</b>						BILL OF N	1ATERIA	L		
SHIP	PIECE	QTY DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK						MARK	MARK						
M173		ONE CORRUGATED PLATE				154								
	M173	1 PL14GA×55	11-0			154								

FOR	FABRICAT	ION
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 WELDS: E70XX	CLEANING:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PKM CH	IK. BY: ALN
LOCATION: ALASKA	SCALE: N.A.	
	DATE: 05-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET	
DESCRIPTION: MISC. DETAIL	460 M17	73   🙆



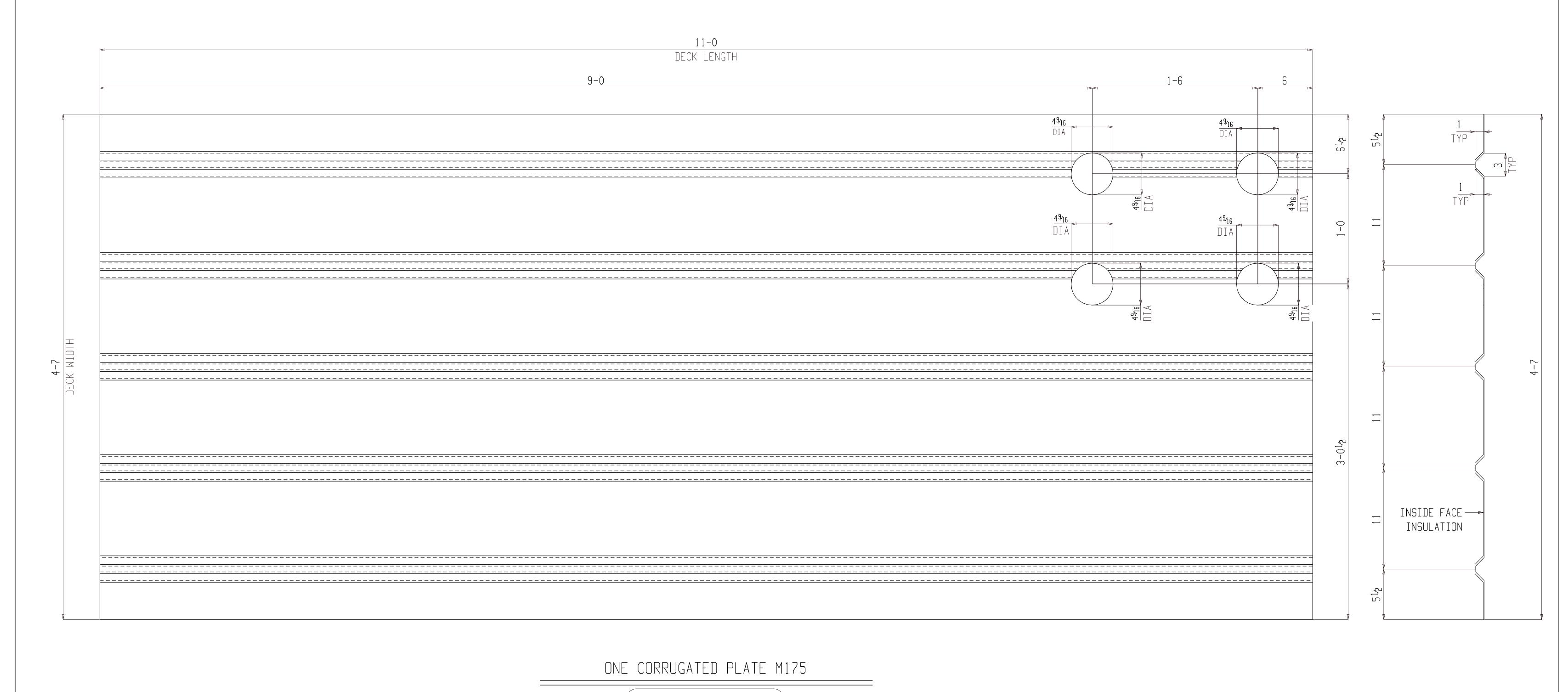
# ONE MISC M174

(ASSEMBLY REFER: AS101)

NO PAINT

		F	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHI	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAR	MARK							MARK	MARK						
M174		ONE	MISC				13								
	M174	1	14GAx5 <sup>1</sup> ⁄2	11-0			13								

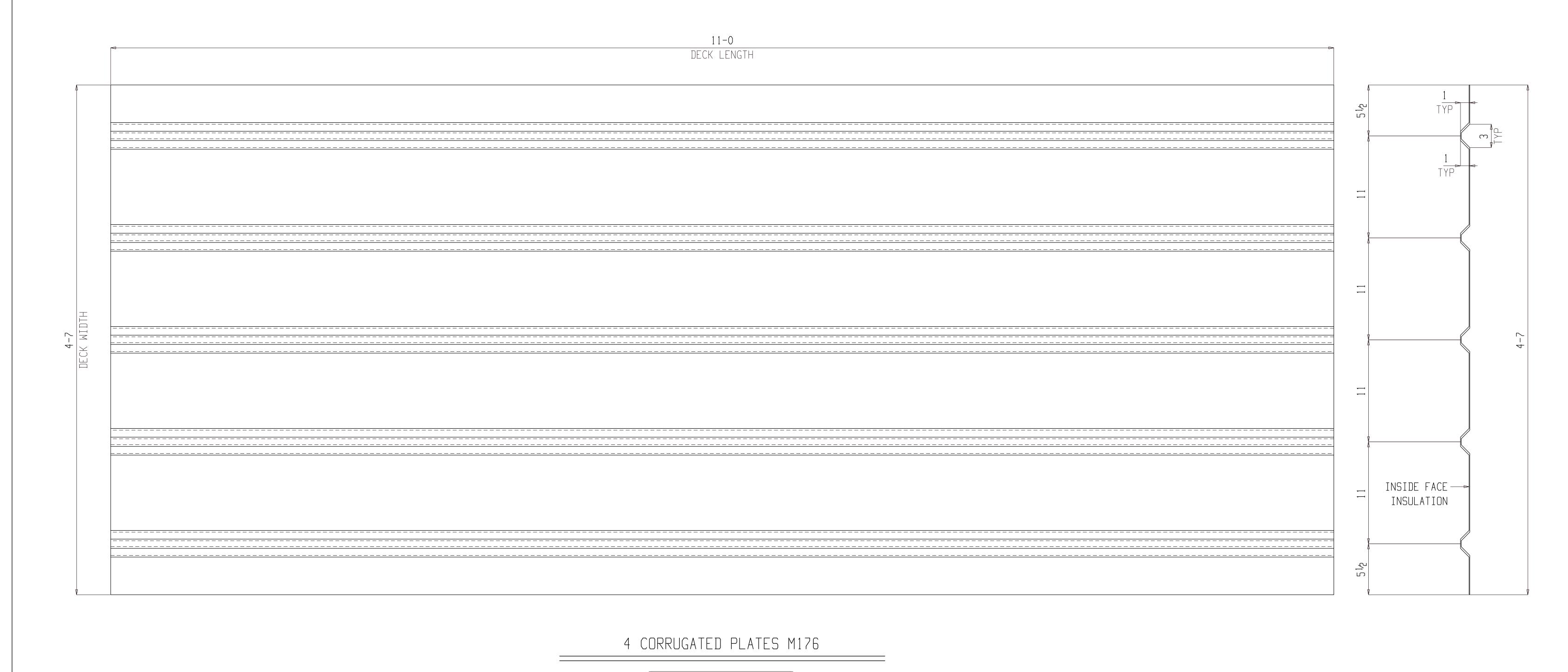
# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. DESCRIPTION: MISC. DETAIL M174 460



NO PATNIT

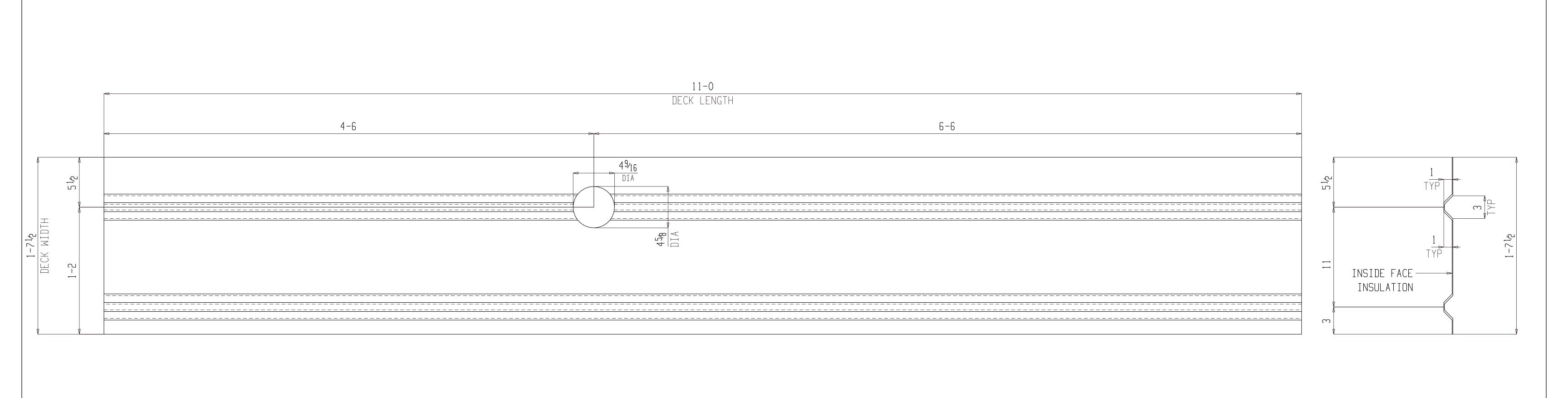
			BILL OF M	1ATERIA	۸L						BILL OF I	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M175		ONE	CORRUGATED PLATE				154								
	M175	1	PL14GA×55	11-0			154								

# FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG : ALN 07-21-22 For Fabrication ALN 07-13-22 For Re-Approval DESCRIPTION BY DATE NO PAINT DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO. REV DESCRIPTION: MISC. DETAIL



			BILL OF M	1ATERIA	\L						BILL OF I	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M176		4	CORRUGATED PLATE				615								
	M176	4	PL14GAx55	11-0			615								

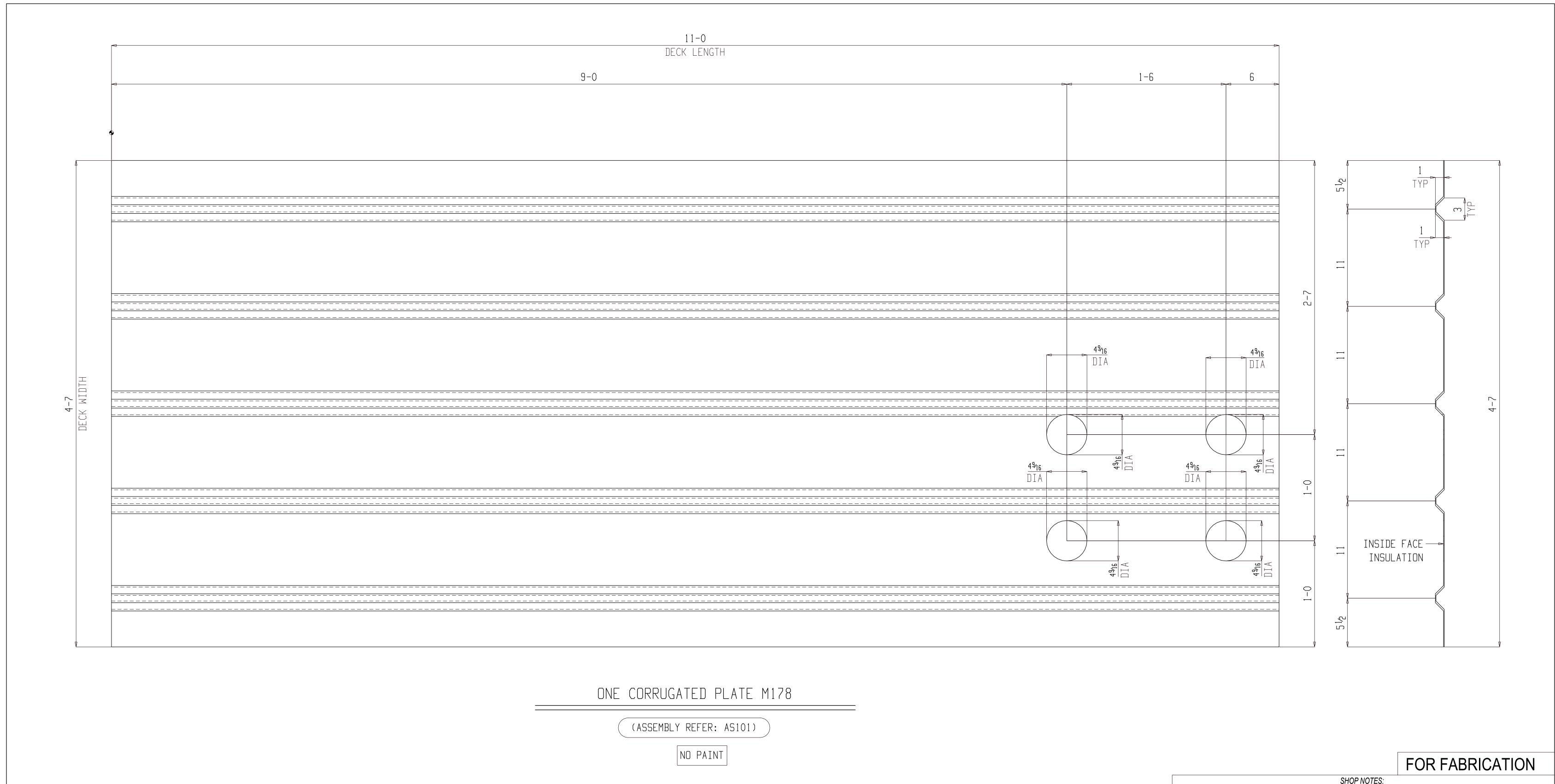
	ABRICAT	ION
SHOP NOTES:		
REF. DWG/SPEC :		
DEG REF. SPEC. / DWG:		
For Fabrication	ALN	07-21-22
B For Re-Approval	ALN	
For Approval	ALN	
REV. DESCRIPTION	BY	DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR.	BY: PKM CH	HK. BY: ALN
LOCATION: ALASKA SCA	ALE: N.A.	
CONTRACTOR: ALASKA ENERGY ALITHORITY	ΓΕ: 05-26-22	
308	NUMBER SHEET	
DESCRIPTION: MISC. DETAIL	460 M1	76 / 🔼



(ASSEMBLY REFER: AS101)

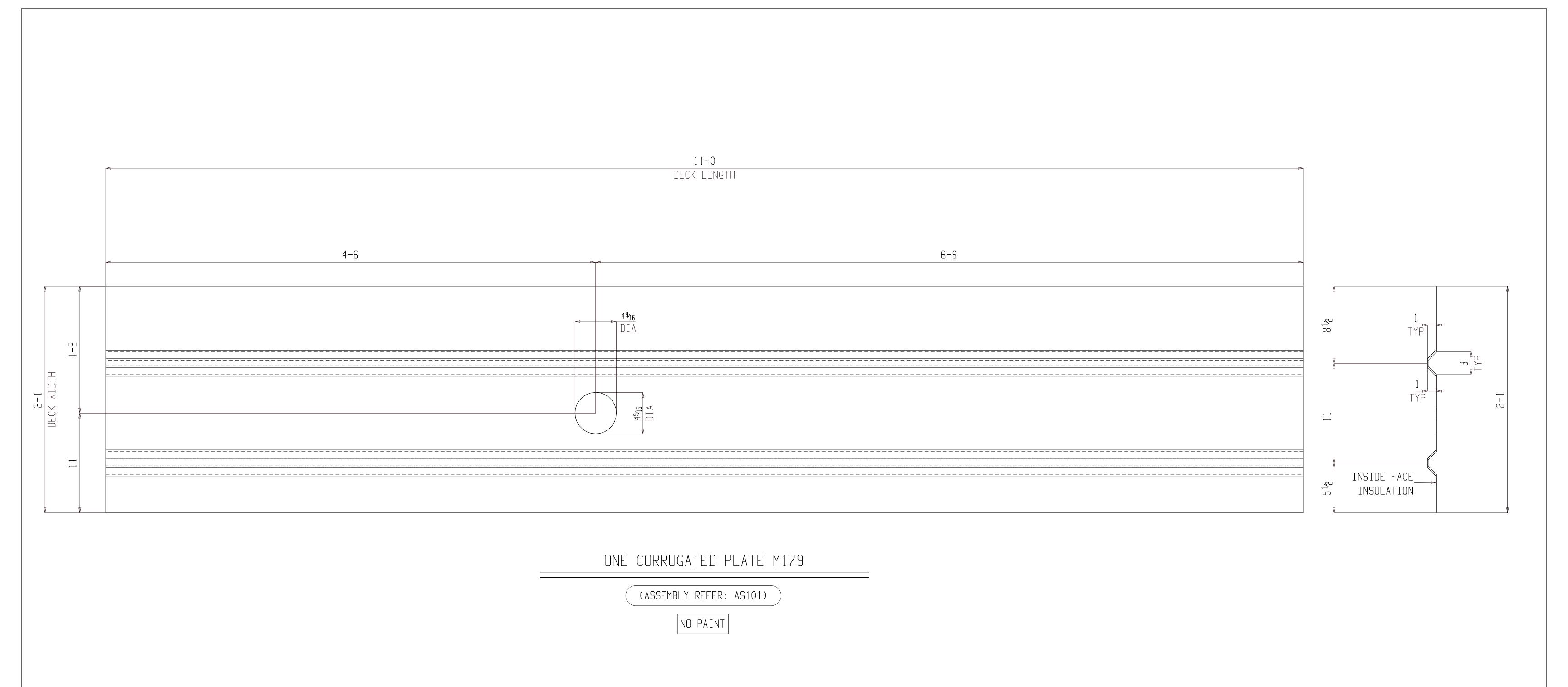
			BILL OF N	1ATERIA	L						BILL OF N	MATERIA	<b>L</b>		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH
MARK	MARK							MARK	MARK						
M177		ONE C	CORRUGATED PLATE				154								
	M177	1 F	PL14GA×55	11-0			154								

		FOR FABRI	<b>CATI</b>	ON
		SHOP NOTES:		
	DWG/SPEC :			
DEG F	REF. SPEC. / DWG	S:		
$\stackrel{\triangle}{\Rightarrow}$				
<u>0</u>	For Fabrication		ALN	07-21-22
B A	For Re-Approva	il	ALN	07-13-22
A	For Approval	DESCRIPTION	ALN	07-06-22
REV.		DESCRIPTION	BY	DATE
OLES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX CLEANIN	G:	
IOB	NAME:	NAPASKIAK POWER SYSTEM UPGRADE DR. BY:	PKM CHK	(. BY: ALN
	ATION:	ALASKA SCALE: N.A.		
		DATE: 05-26	5-22	
	TRACTOR:	ALASKA ENERGY AUTHORITY  JOB NUMBER	SHEET N	IO. REV
JON	1110101011.	JOB NUMBER	OFFICE	IO. INLV



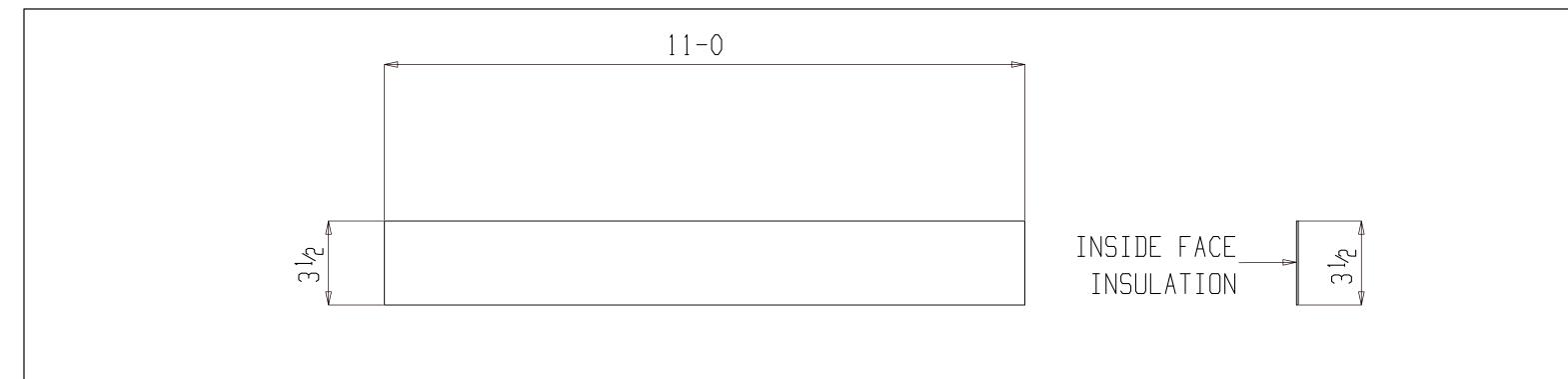
			BILL OF M	1ATERIA	۸L						BILL OF I	MATERIA	۸L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M178		ONE C	CORRUGATED PLATE				154								
	M178	1 F	PL14GA×55			154									

				FOR	FABR			
		SHOD	NOTES:	1 011				
		300	NOTES.					
REF. DWG/SPEC :								-
EG REF. SPEC. / DW	G:							
For Fabrication For Re-Approv For Approval EV.								7-21-22
For Re-Approv	ral ral							7-13-22
For Approval								7-06-22
<u> </u>		DESCRIPTION					BY C	DATE
DLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	ING:		
OB NAME:	NAPASKIA	( POWER SYS	TEM UPG	RADE	DR. BY:	PKM	CHK. BY	: ALN
OCATION:	ALASKA				SCALE: N.A			
CONTRACTOR:		NERGY AUTHO	RITY		DATE: 05-2			
			TXIII		JOB NUMBER		HEET NO.	REV
ESCRIPTION:	MISC. DETA	Λ 11			460	1 N	<i>I</i> 178	0



	BILL OF MATERIAL							BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M179		ONE C	CORRUGATED PLATE				154									
	M179	1 F	PL14GA×55	11-0			154									

FC	R FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
For Re-Approval For Approval	ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
	Lacentina
HOLES U.N. 13/ <sub>16</sub> Ø PAINT WELDS: E70XX	CLEANING:
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	
_OCATION: ALASKA	SCALE: N.A.
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22
	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460 M179 🖄



### ONE PLATE M180

(ASSEMBLY REFER: AS101)

NO PAINT

	BILL OF MATERIAL								BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M180		ONE	PLATE				10										
	M180	1	PL14GAx3½	11-0			10										

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M180 460

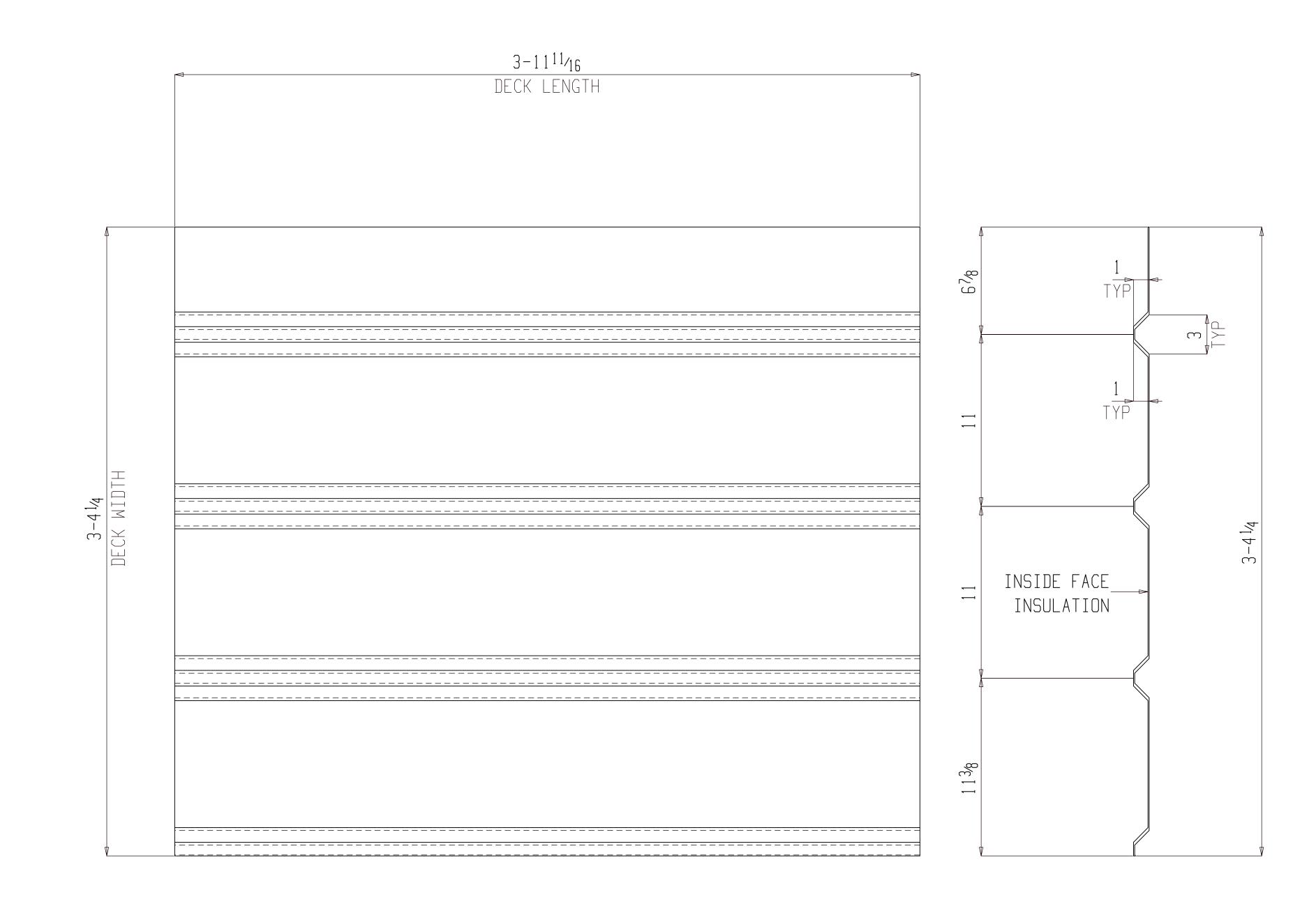


# 2 PLATES M181

(ASSEMBLY REFER: AS101)

	BILL OF MATERIAL								BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT		
MARK	MARK							MARK	MARK								
M181		2	PLATE				31										
	M181	2	PL14GAx5 <sup>9</sup> / <sub>16</sub>	11-0			31										
															-		

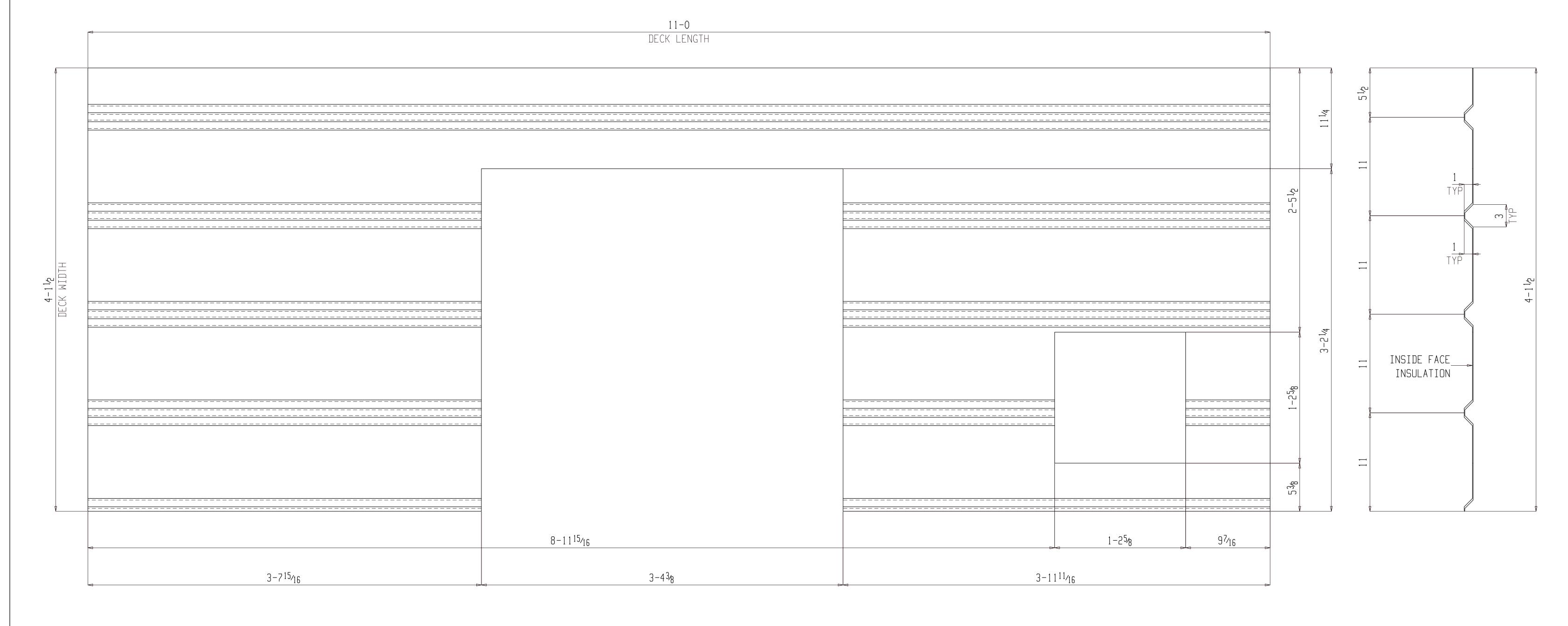
		FC	OR FABRIC	CATION	i
	SHOP N	IOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG :					
For Fabrication					7-21-22
For Re-Approval					7-13-22
For Approval	DECODIDATION			=	7-06-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70	CLEANING	G:	
JOB NAME: NA	PASKIAK POWER SYSTEM	UPGRADE	DR. BY: P	PKM CHK. B	Y: ALN
	ASKA		SCALE: N.A.		
	ASKA ENERGY AUTHORITY		DATE: 05-26		
			JOB NUMBER	SHEET NO.	REV
DESCRIPTION: MI	SC. DETAIL		460	M181	<u> </u>



(ASSEMBLY REFER: AS101)

			BILL OF N	1ATERIA	L						BILL OF N	MATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M182		ONE C	ORRUGATED PLATE				56								
	M182	1 P	L14GAx55	3-1111/16			56								

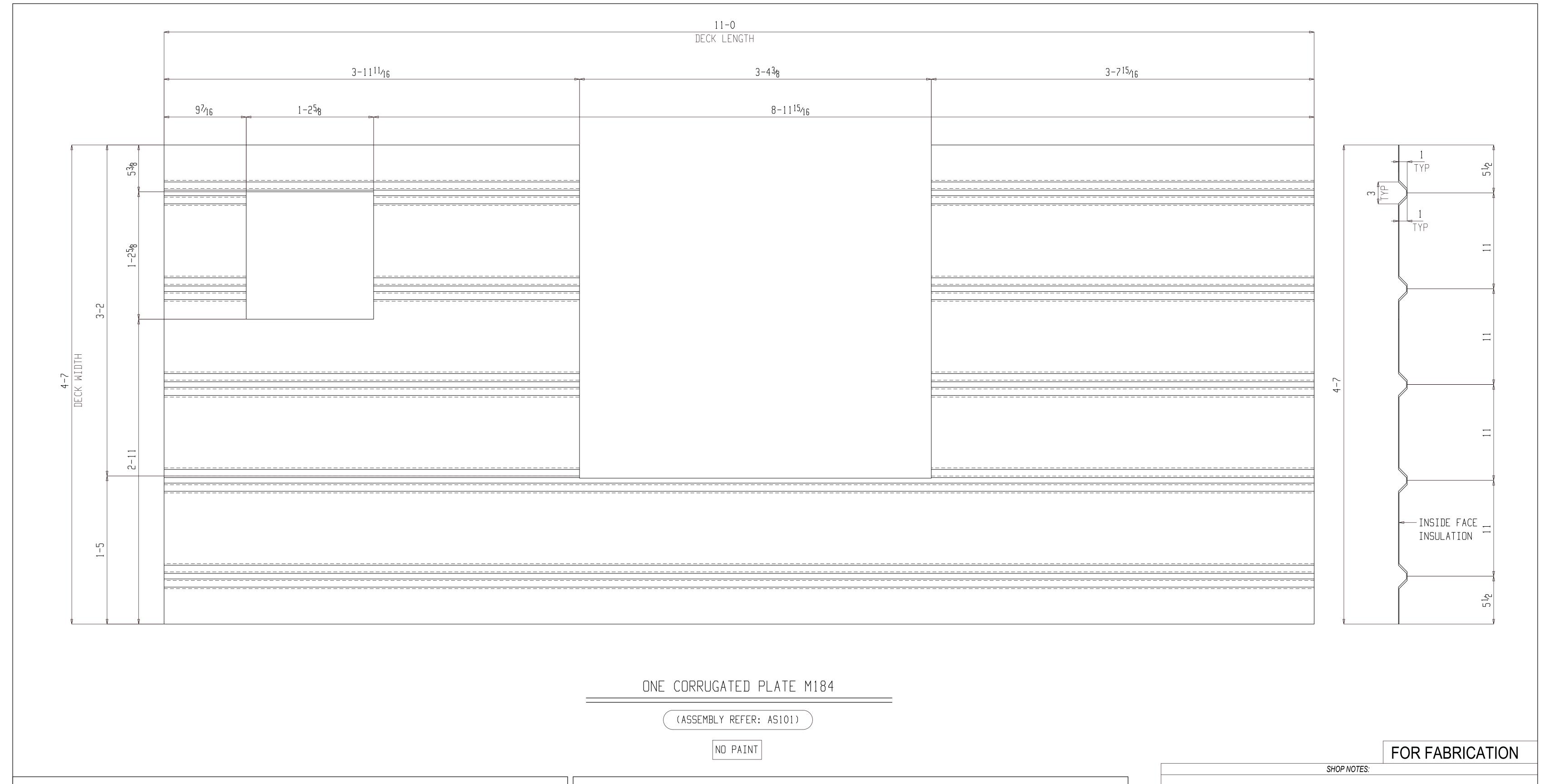
			FOR	<b>FABRIC</b>	ATIO	Ν
		SHOP N	IOTES:			
REF. I	DWG/SPEC :					
DEG F	REF. SPEC. / DWG	i:				
0	For Fabrication				+	7-21-22
B	For Re-Approva					7-13-22
Â	For Approval	DECORPTION				7-06-22
REV.		DESCRIPTION			BY	DATE
OLES U.	.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING:		
OLES U.				DD D)/	1 CHK. B'	/. A I K
	NAME:	NAPASKIAK POWER SYSTI	EM UPGRADE	DR. BY: PKN	OTIN. D	r: ALI
JOB			EM UPGRADE	SCALE: N.A.	OTIN. D	r: ALN
JOB LOC	ATION:	ALASKA		SCALE: N.A. DATE: 05-26-22		
JOB LOCA				SCALE: N.A.	l	REV



(ASSEMBLY REFER: AS101)

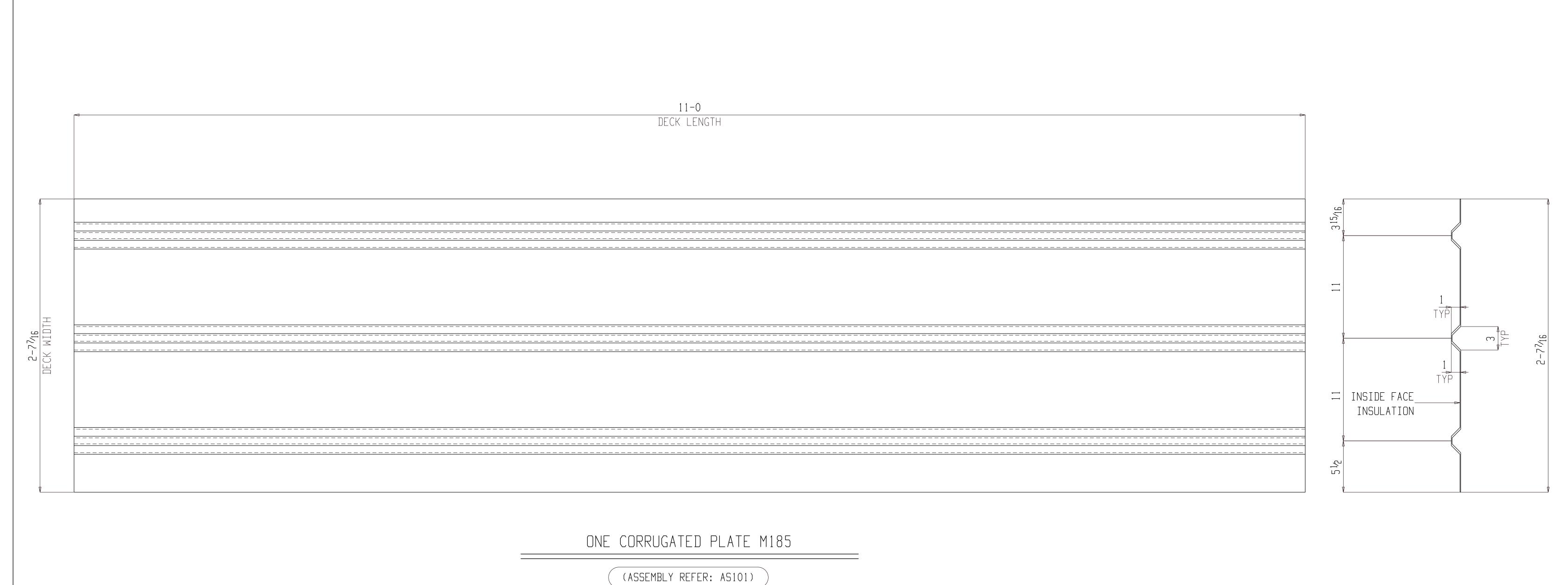
			BILL OF M	1ATERIA	<b>\</b> L						BILL OF I	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M183		ONE	CORRUGATED PLATE				154								
	M183	1	PL14GA×55	11-0			154								

	FO	R FABRIC	CATION	١
	SHOP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / DW	G:			
For Fabrication			ALN 07-	21-22
For Fabrication For Re-Approv For Approval				13-22
For Approval				06-22
REV.	DESCRIPTION		BY D	ATE
		•		
DLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:		
OB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PK	M CHK. BY:	ALN
OCATION:	ALASKA	SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-2		
		JOB NUMBER	SHEET NO.	REV
ESCRIPTION:	MISC. DETAIL	460	M183	0



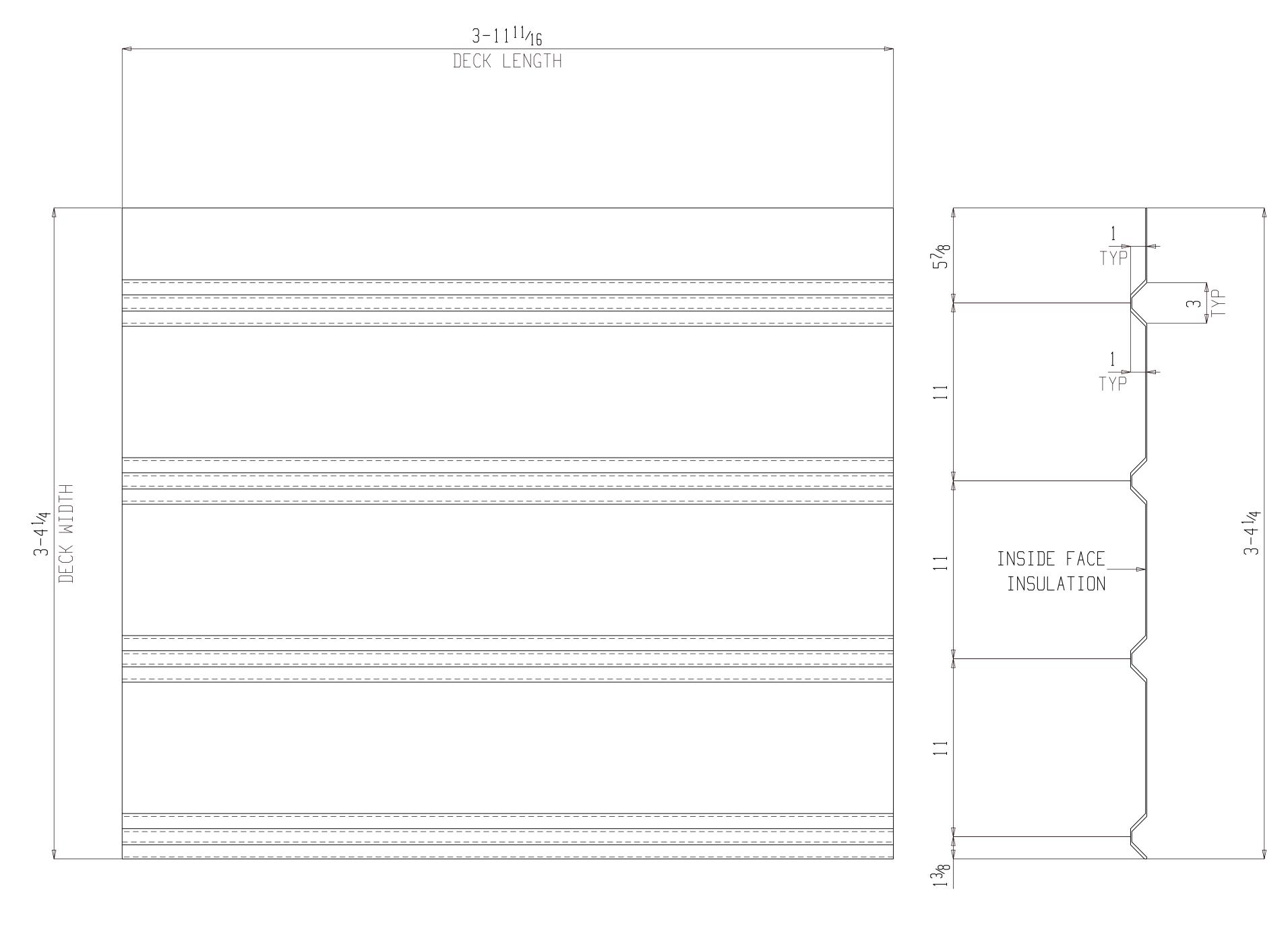
			BILL OF M	1ATERIA				BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M184		ONE	CORRUGATED PLATE				154									
	M184	1	PL14GA×55	11-0			154									

					FOR	FAB	RICA	۱T	ON	]
			SHOP I	NOTES:						
	DWG/SPEC :									
DEG R	REF. SPEC. / DWG	:								
$\triangle$										
0	For Fabrication							ALN		1-22
B	For Re-Approval							ALN		3-22
Â	For Approval		DECODIDE					ALN		6-22
REV.			DESCRIPTION					BY	DA	TE
OLES U.I	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLE	Eaning:			
IOB	NAME:	NAPASKIAK	POWER SYST	FM UPG	RADF	DR. BY:	PKM	CHK	. BY:	ALN
	ATION:	ALASKA		0. 0		SCALE:	N.A.	1		
						DATE: 0	5-26-22			
JUN	TRACTOR:	ALASKA EN	IERGY AUTHOR	KIIY		JOB NUME	BER S	SHEET N	0.	REV
DES	CRIPTION:	MISC. DETA	AIL .			460		M184	1	0
						1	1			



	BILL OF MATERIAL  PIECE OTY DESCRIPTION LENGTH REMARKS CRADE							BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M185		ONE	CORRUGATED PLATE				154								
	M185	1 F	PL14GA×55	11-0			154								

	FOR	FABR	ICATI	ON
	SHOP NOTES:			
EF. DWG/SPEC :				
EG REF. SPEC. / DW	<b>3</b> :			
For Fabrication For Re-Approv For Approval			ALN	07-21-2
For Re-Approv	āl		ALN	07-13-22
For Approval  V.	DECODIDATION		ALN	07-06-22
V.	DESCRIPTION		BY	DATE
ES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANIN	NG:	
OB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHI	K. BY: AL
	ALASKA	SCALE: N.A		
OCATION:		DATE: OF O	6.22	
		DATE: 05-20		
OCATION: ONTRACTOR: ESCRIPTION:	ALASKA ENERGY AUTHORITY  MISC. DETAIL	JOB NUMBER	SHEET I	



(ASSEMBLY REFER: AS101)

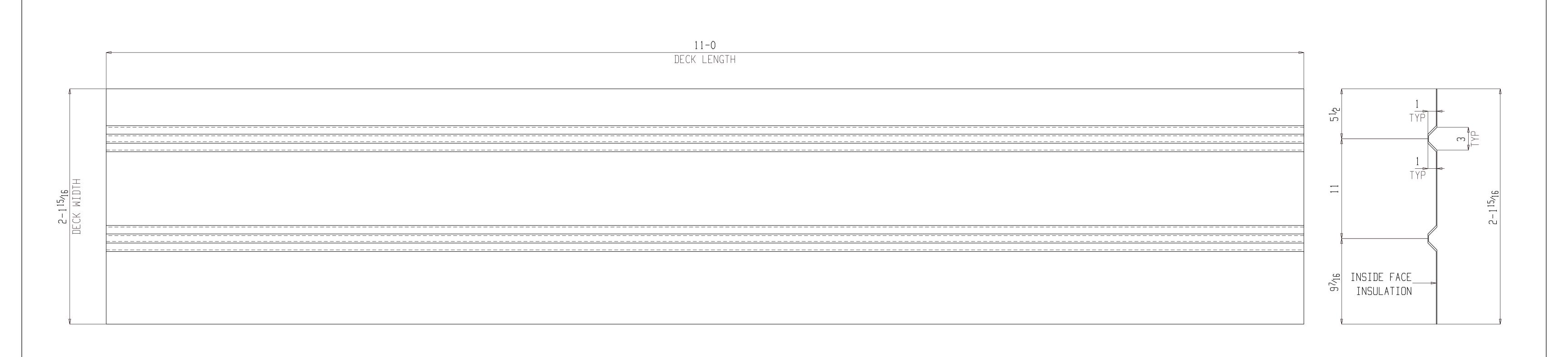
NO PAINT

	BILL OF MATERIAL  OUTD DESCRIPTION LENGTH DEMARKS CRAPE HETE							BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M186		ONE	CORRUGATED PLATE				56								
	M186	1	PL14GA×55	3-1111/16			56								

# FOR FABRICATION SHOP NOTES:

EF. DV	VG/SPEC :							
EG RE	F. SPEC. / DWG :							
$\sum$								
ô\	For Fabrication						ALN	07-21-22
Â Â ĒV.	For Re-Approval						ALN	07-13-22
Â	For Approval						ALN	07-06-22
ΞV.			DESCRIPTION				BY	DATE
LES U.N.	<sup>13</sup> / <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING:		

HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	2 2	PKM CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.		
CONTRACTOR	ALACKA ENERGY ALITHORITY	DATE: 05-26	5-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC. DETAIL	460	M186	



(ASSEMBLY REFER: AS101)

	BILL OF MATERIAL  CHER DESCRIPTION A FINCELL DEMARKS CRAPE AND A FINCELL DEMARKS.							BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M187		ONE	CORRUGATED PLATE				154								
	M187	1	PL14GA×55	11-0			154								

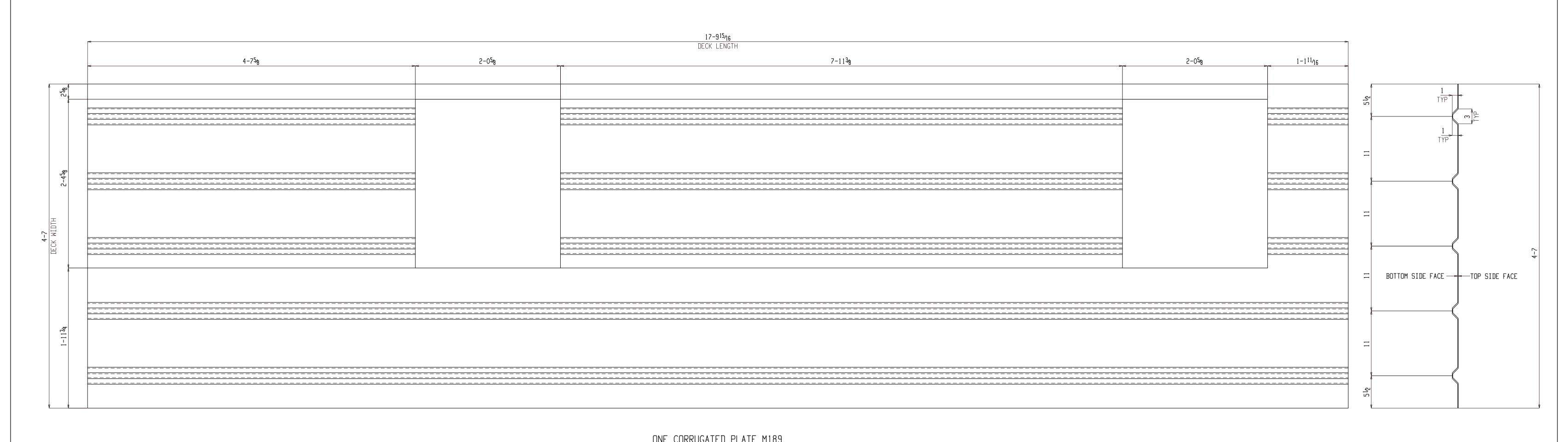
			F(	OR FABR	ICATIO	N
		SHOP NO	OTES:			
	DWG/SPEC :					
)EG F	REF. SPEC. / DWG	:				
	For Fabrication				ALNI O	7 04 00
0	For Re-Approval					7-21-22 7-13-22
B A	For Approval				-	7-06-22
REV.	. с. л. фр. с та.	DESCRIPTION				DATE
DLES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	VELDS: E70X	X CLEAN	NG:	
OB	NAME:	NAPASKIAK POWER SYSTE	M UPGRAD	E DR. BY:	PKM CHK. BY	: ALN
	ATION:	ALASKA		SCALE: N.A	١.	
			ITV	DATE: 05-2		
ואראי	TRACTOR:	ALASKA ENERGY AUTHOR	IIY	JOB NUMBER		REV
	CRIPTION:	MISC. DETAIL		460	M187	1 /\

	17-9 <sup>15</sup> / <sub>16</sub> DECK LENGTH	<b>→</b>
	DECK LENGTH	
4		<u> </u>
		BOTTOM SIDE FACE TOP SIDE FACE
	ONE CORRUGATED PLATE M188	

(ASSEMBLY REFER : AS101)

	BILL OF MATERIAL  DESCRIPTION DESCRIPTION DEMARKS OF A DE								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH	
MARK	MARK							MARK	MARK							
M188		ONE CO	DRRUGATED PLATE				249									
	M188	1 PL	_14GA×55	17-915/16			249									

		OI (I / IDI (IO/ (I IOI )
	SHOP NOTES:	
EF. DWG/SPEC :		
EG REF. SPEC. / DW		
~	J .	
For Fabrication		ALN 07-21-22
For Re-Approv		ALN 07-13-22
For Approval		ALN 07-06-22
EV.	DESCRIPTION	BY DATE
LES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70	OXX CLEANING:
10/16/0	PAINT U.N. NO PAINT WELDS: E70  NAPASKIAK POWER SYSTEM UPGRAI	JAA
OB NAME:	NAPASKIAK POWER SYSTEM UPGRAI	JAA
OB NAME: OCATION:	NAPASKIAK POWER SYSTEM UPGRAI ALASKA	DE DR. BY: PKM CHK. BY: ALM SCALE: N.A. DATE: 05-26-22
OB NAME: OCATION: ONTRACTOR: ESCRIPTION:	NAPASKIAK POWER SYSTEM UPGRAI ALASKA	DE DR. BY: PKM CHK. BY: ALM SCALE: N.A.



	BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M189		ONE C	CORRUGATED PLATE				249									
	M189	1 F	PL14GA×55	17-915/16			249									
								1								
								1								

FOR FAB	RICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG:	
For Fabrication	ALN 07-21-22
B For Re-Approval	ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX	Eaning:
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY:	PKM CHK. BY: ALN
LOCATION: ALASKA SCALE: I	N.A.
DATF: 0	5-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMB	BER SHEET NO. REV

DESCRIPTION: MISC. DETAIL

	17–915 <sub>/16</sub> DECK LENGTH	
		1 TYP
4-7 DECK WIDTH		11
		BOTTOM SIDE FACE TOP SIDE FACE
		51/2

### 2 CORRUGATED PLATES M190

(ASSEMBLY REFER:AS101)

	BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M190			CORRUGATED PLATE				498									
	M190		PL14GA×55	17-915/16			498									

FO	R FABRICATION
SHOP NOTES:	
REF. DWG/SPEC:	
DEG REF. SPEC. / DWG :	1 1
For Fabrication	ALN 07-21-22
For Fabrication  B For Re-Approval	ALN 07-21-22 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.
1 1	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460   M190   <u>^</u>

1-014 DECK WIDTH	12-41%)g DECK LENG H	E
ı lo		<del>                                    </del>
	ONE CORRUGATED PLATE M191  (ASSEMBLY REFER: ASIGI)  NO PAINT	BOTTOM SIDE FACE TOP SIDE FACE

BILL OF M	1ATERIAL			BILL OF MATERIAL							
SHIP PIECE QTY DESCRIPTION	LENGTH REMARKS	GRADE WEIGH	T SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK MARK			MARK	MARK							
M191 ONE CORRUGATED PLATE		245									
M191 1 PL14GA×55	17-915/16	245									

	SHOP NOTES:		
F. DWG/SPEC :			
G REF. SPEC. / DW	G:		
<u> </u>			
For Fabrication For Re-Approval For Approval		ALN	07-21-22
	al	ALN	07-13-22
		ALN	07-06-22
<i>I</i> .	DESCRIPTION	BY	DATE
ES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX CLEANING:		
		4 01"	/ D\/. ALAI
B NAME:	NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKN	/I CH	K. BY: ALN
CATION:	ALASKA SCALE: N.A.		

ALASKA

DESCRIPTION: MISC. DETAIL

CONTRACTOR: ALASKA ENERGY AUTHORITY

FOR FABRICATION

DATE: 05-26-22

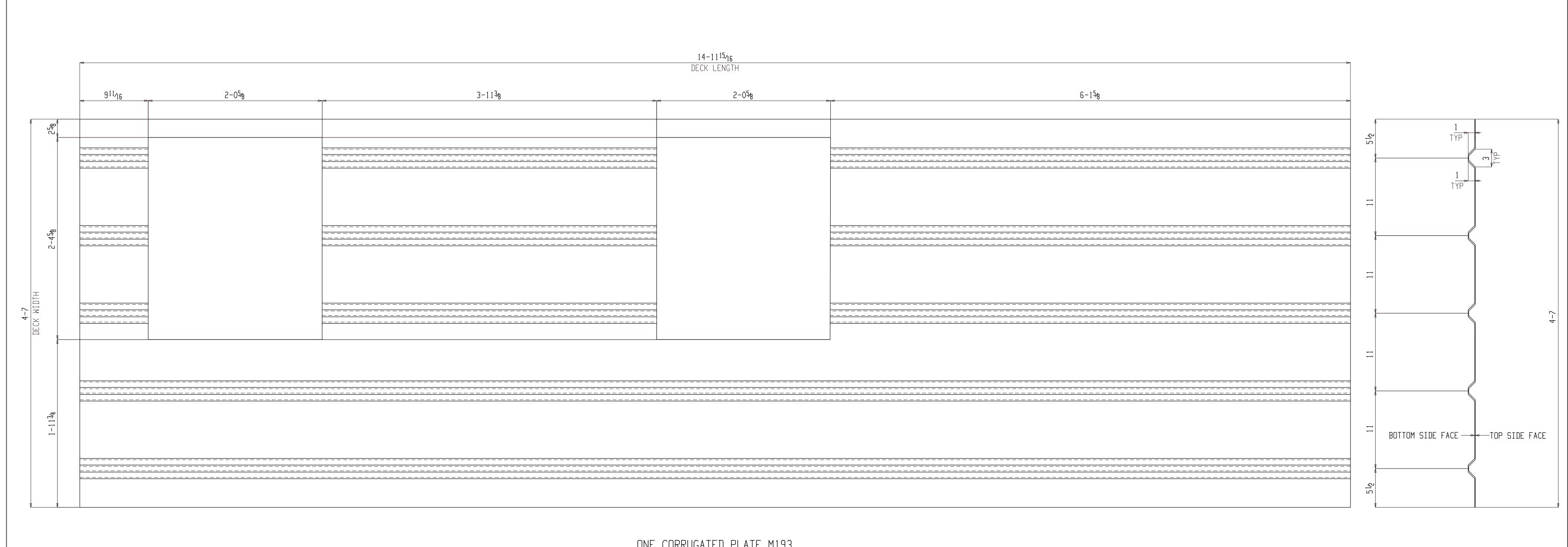
JOB NUMBER SHEET NO. REV

	14-11 <sup>15</sup> / <sub>16</sub> DECK LENGTH	
	ONE CORRUGATED PLATE M192  (ASSEMBLY REFER: AS101)	
	NO PAINT	

	BILL OF MATERIAL								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGH	
MARK	MARK							MARK	MARK							
M192		ONE (	CORRUGATED PLATE				210									
	M192	1 F	PL14GAx55	14-1115/16			210									

	FOR	FABRI	CATI	ON
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	<del>3</del> :	
JOB NAME: NAPASKIAK POWER SYSTEM U	JPGRADE	DR. BY: P	PKM CH	K. BY: AL
LOCATION: ALASKA		SCALE: N.A.		
		DATE: 05-26-	-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET	NO. RE
				_ /

DESCRIPTION: MISC. DETAIL



ONE CORRUGATED PLATE M193
(ASSEMBLY REFER: AS101)
NO PAINT

			BILL OF N	1ATERIA							BILL OF N	MATERIA			
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M193		ONE	CORRUGATED PLATE				210								
	M193	1	PL14GAx55	14-1115/16			210								

		FOR FABRI	CATION
	SHOP NOTES:		
REF. DWG/SPEC :	NAO .		
DEG REF. SPEC. / D	VVG :		
for Fabricat	on		ALN 07-21-22
B For Re-Appr			ALN 07-13-22
A For Approva			ALN 07-06-22
REV.	DESCRIPTION		BY DATE
IOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E	E70XX CLEANING	S:
JOB NAME:	NAPASKIAK POWER SYSTEM UPGR	ADF DR. BY: P	PKM CHK. BY: ALN
LOCATION:	ALASKA	SCALE: N.A.	
		DATE: 05-26	-22
CONTRACTOR	: ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO. REV
DESCRIPTION:	MISC. DETAIL	460	M193

BOTTOM SIDE FACE TOP SIDE FACE

2 CORRUGATED PLATES M194

(ASSEMBLY REFER:AS101)

			BILL OF N	1ATERIA	<b>L</b>						BILL OF N	MATERIA	<b>L</b>		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M194		2 (	CORRUGATED PLATE				419								
	M194	2 F	PL14GA×55	14-1115/16			419								

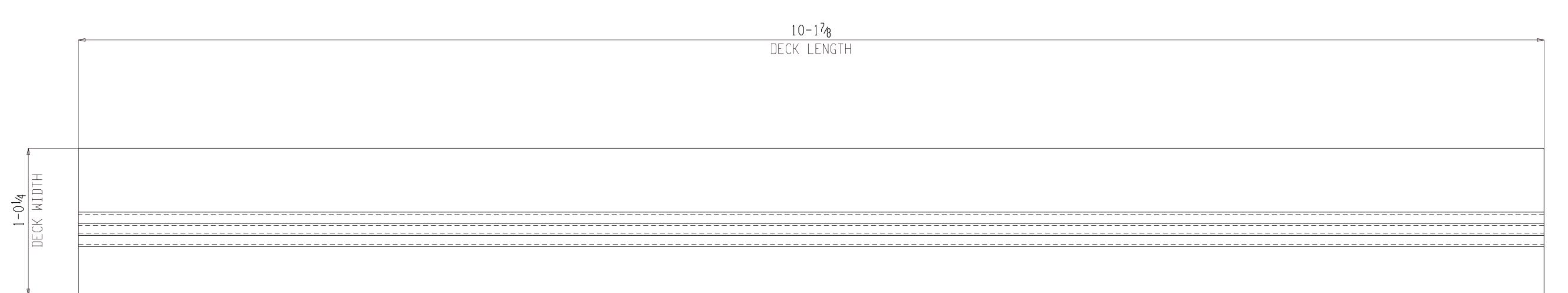
FOR	<b>FABRIC</b>	ATI(	NC
SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
For Fabrication		ALN	07-21-22
For Re-Approval		ALN	07-13-22
A For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING:		
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PKM	CHK.	BY: ALN
LOCATION: ALASKA	SCALE: N.A.	·	
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22		
		SHEET NO	
DESCRIPTION: MISC. DETAIL	460	M194	0

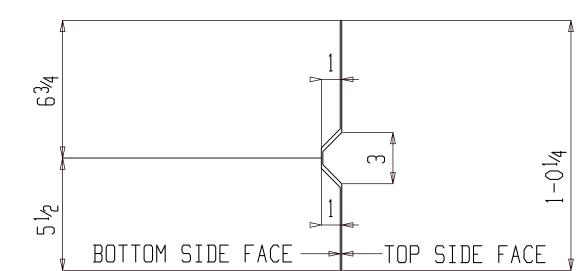
◀	14-11 <sup>15</sup> / <sub>16</sub> DECK LENGTH	
		BOTTOM SIDE FACE → TOP SIDE

(ASSEMBLY REFER: AS101)

			BILL OF N	<b>MATERIA</b>	L						BILL OF N	MATERIA			WEIGHT						
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT						
MARK	MARK							MARK	MARK												
M195		ONE C	ORRUGATED PLATE				210														
	M195	1 P	L14GA×55	14-1115/16			210														

	FOR FABRICATION
SHOP NOTES:	
REF. DWG/SPEC :	
DEG REF. SPEC. / DWG :	
For Fabrication	ALN 07-21-22
B For Re-Approval	ALN 07-21-22 ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
HOLES U.N. 13/16Ø PAINT WELDS: E	70XX CLEANING:
JOB NAME: NAPASKIAK POWER SYSTEM UPGRA	ADE DR. BY: PKM CHK. BY: ALN
LOCATION: ALASKA	SCALE: N.A.
	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460 M195

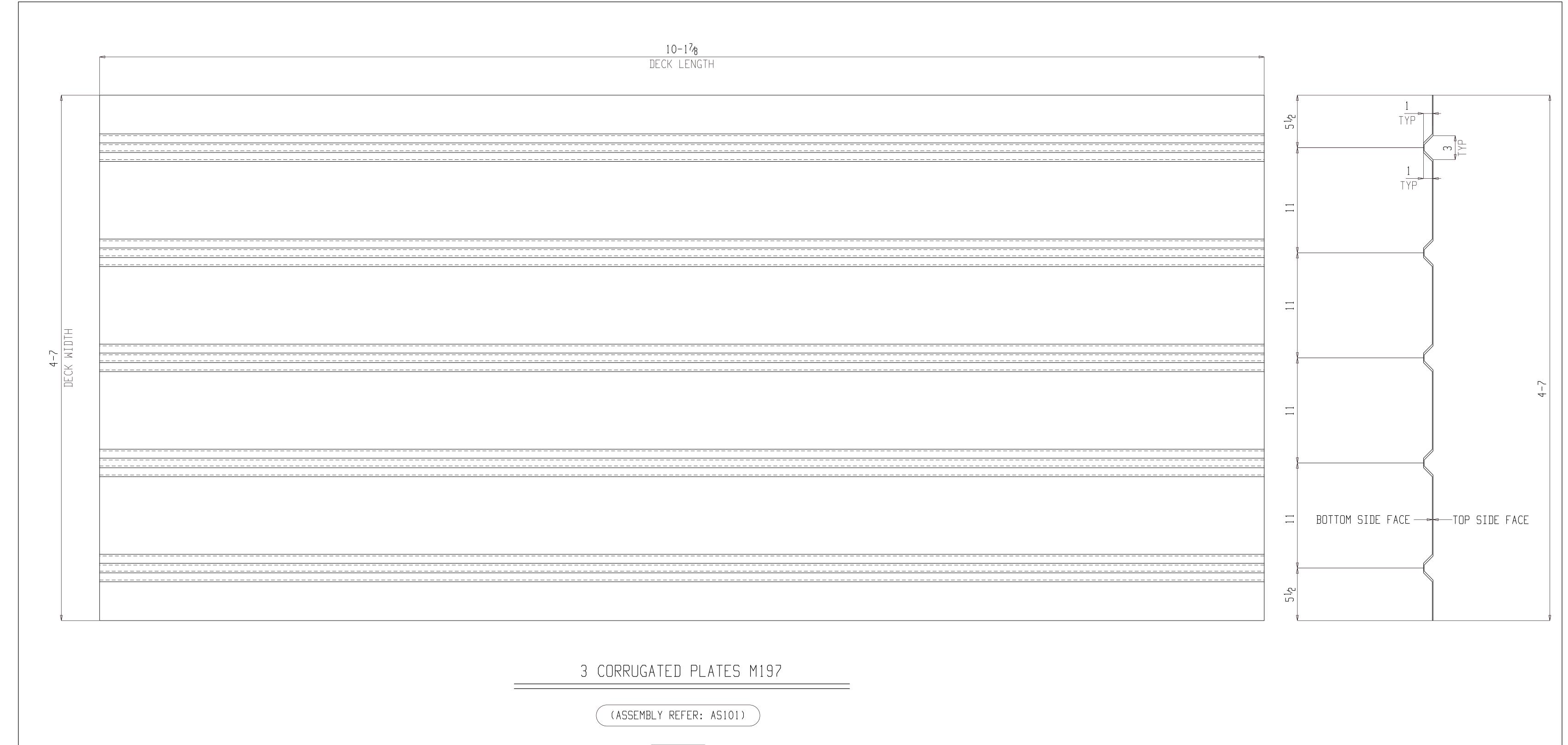




( ASSEMBLY REFER: AS101)

			BILL OF M	1ATERIA							BILL OF N	1ATERIA	L		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M196		ONE	CORRUGATED PLATE				142								
	M196	1	PL14GA×55	10-17/8			142								

		FOR FABRIC	CATION
	SHOP NOTES:		
REF. DWG/SPEC :			
DEG REF. SPEC. / DW	G:		
For Fabrication For Re-Approv For Approval EV.			ALN 07-21-22
For Re-Approv	<u>al</u>		ALN 07-13-22
For Approval	DECODIDATION		ALN 07-06-22
<u> </u>	DESCRIPTION		BY DATE
DLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E	70XX CLEANING:	
10/100	PAINT U.N. NO PAINT WELDS: E	10//	M CHK. BY: ALI
OB NAME:	NAPASKIAK POWER SYSTEM UPGRA	10//	M CHK. BY: ALN
OB NAME: OCATION:	NAPASKIAK POWER SYSTEM UPGRA ALASKA	DR. BY: PK SCALE: N.A. DATE: 05-26-2	2
OLES U.N. 13/ <sub>16</sub> Ø OB NAME: OCATION: CONTRACTOR: DESCRIPTION:	NAPASKIAK POWER SYSTEM UPGRA	ADE DR. BY: PK SCALE: N.A.	

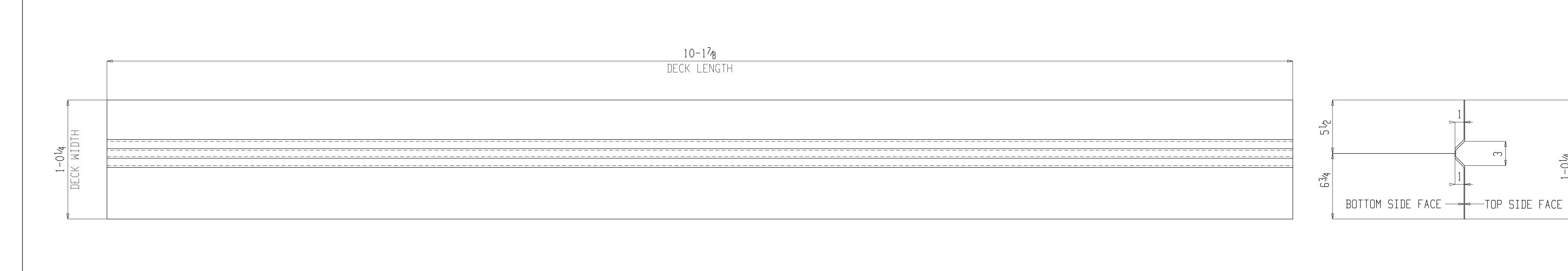


NO PAINT

			BILL OF M	1ATERIA	<b>\</b> L						BILL OF M	1ATERIA	<b>1</b> L	MARKS GRADE WEIGHT									
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT								
MARK	MARK							MARK	MARK														
M197		3	CORRUGATED PLATE				426																
	M197	3	PL14GA×55	10-17/8			426																

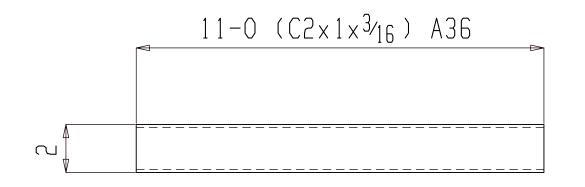
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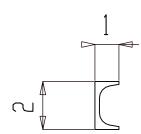
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG			
6 For Fabrication			ALN 07-21-22
For Re-Approval			ALN 07-13-22
A For Approval			ALN 07-06-22
REV.	DESCRIPTION		BY DATE
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS: E70XX	CLEANING:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PKN	I CHK. BY: ALN
OOATION	ALASKA	SCALE: N.A.	
LOCATION:	/ NE/ NY N	DATE: OF 26 20	)
	ALACKA ENERCY ALITHORITY	DATE: 05-26-22	
	ALASKA ENERGY AUTHORITY MISC. DETAIL	JOB NUMBER 460	SHEET NO. REV



	BILL OF MATERIAL  THE DIECE OTY DESCRIPTION LENGTH DEMARKS CRADE WEIGH								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M198 ONE CORRUGATED PLATE						142										
	M198 1 PL14GA×55			10-17/8			142									

			FOR	FABRI	ICA7		1
	SHOP NO	OTES:					
REF. DWG/SPEC :							
DEG REF. SPEC. / DWG :							
For Fabrication					ALI		21-22
For Re-Approval  A For Approval					ALI ALI		13-22
	SCRIPTION				B)		06-22 ATE
NEV.	OOT THO IT					0/	112
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO	O PAINT	WELDS:	E70XX	CLEANIN	G:		
JOB NAME: NAPASKIAK PO	OWER SYSTE	M UPG	RADE	DR. BY:	PKM C	HK. BY:	ALN
LOCATION: ALASKA				SCALE: N.A.	•		
		IT\/		DATE: 05-26	5-22		
CONTRACTOR: ALASKA ENER	GY AUTHUR	IIY		JOB NUMBER	SHEE	T NO.	REV
DESCRIPTION: MISC. DETAIL				460	M1	98	
					1		



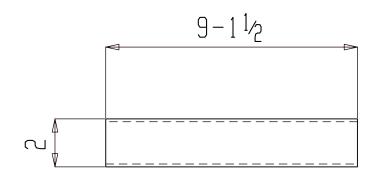


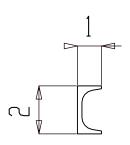
(ASSEMBLY REFER: AS101)

NO PAINT

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

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY M199 DESCRIPTION: MISC. DETAIL





(ASSEMBLY REFER: AS101)

NO PAINT

		[	BILL OF N	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M200		8	MISC				188								
	M200	8	C2x1x <sup>3</sup> ⁄16	9-1 <sup>1</sup> / <sub>2</sub>		A36	188								
					·										
										·					

# FOR FABRICATION SHOP NOTES:

REF. DWG/SPEC:

DEG REF. SPEC. / DWG:

To For Fabrication

For Re-Approval

For Approval

ALN 07-21-22

ALN 07-13-22

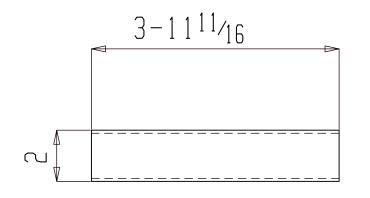
ALN 07-06-22

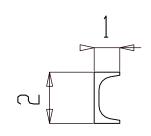
REV.

DESCRIPTION

BY DATE

HOLES U.N. 13/16@	PAINT U.N. NO PAINT WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM   CHK. BY:	ALN
LOCATION:	ALASKA	SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26		
CONTINACTOR.	ALAGNA LINLINGT AUTHONITT	JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC, DETAIL	460	M200	$  \wedge  $





(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH PIECE GRADE QTY PIECE SHIP DESCRIPTION LENGTH GRADE MARK MARK MARK MARK M201 2 MISC 20 2 C2x1x<sup>3</sup>/16 3-1111/16 20 M201 A36

# FOR FABRICATION SHOP NOTES:

REF. DWG/SPEC :									
DEG REF. SPEC. / DWG:									
				ALN	07-2	21-22			
⚠ For Re-Approval				ALN	07-1	3-22			
A For Approval				ALN	07-0	)6-22			
REV.	DESCRIPTION			BY	DA	ATE			
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING	<b>;</b> :					
JOB NAME: NAPA	ASKIAK POWER SYSTEM	UPGRADE	DR. BY: P	KM CH	K. BY:	ALN			
SCALE: N.A.									

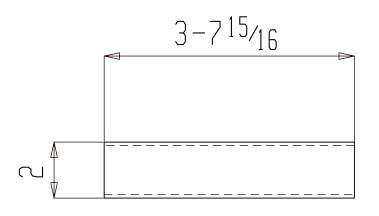
CONTRACTOR: ALASKA ENERGY AUTHORITY

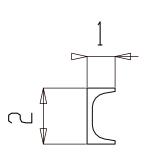
MISC. DETAIL

DESCRIPTION:

DATE: 05-26-22

M201





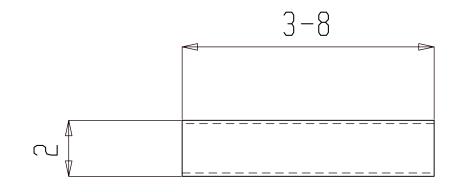
(ASSEMBLY REFER: AS101)

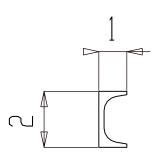
NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT QTY WEIGHT DESCRIPTION LENGTH GRADE SHIP PIECE DESCRIPTION LENGTH GRADE PIECE REMARKS MARK MARK MARK MARK M202 2 MISC 19 2 C2x1x<sup>3</sup>/16 3-7<sup>15</sup>/16 A36 19 M202

# FOR FABRICATION SHOP NOTES:

REF. [	DWG/SPEC :										
DEG F	REF. SPEC. / DW	'G :									
$\triangle$											
	For Fabrication	า						- 1	ALN	07-2	21-22
B	For Re-Approv	⁄al							ALN	07-1	3-22
Â	For Approval								ALN	07-0	)6-22
REV.			DESCRIPTION						BY	D/	ATE
HOLES U.	19/16/0	NADA	PAINTU.N. NO PAINT	WELDS:	E70XX	DR. I	CLEANII	NG:	СНК	. BY:	ΔΙ Ν
	NAME:	NAPA	SKIAK POWER SYSTEM	UPGRAD	E				UNK	. БТ.	ALIN
-OCA	ATION:	ALAS	KA				LE: N.A				
CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22  JOB NUMBER   SI									HEET NO	O. 1	REV
									M202		<u> </u>



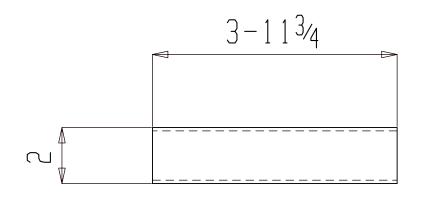


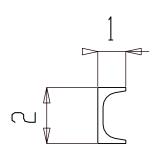
(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH SHIP PIECE DESCRIPTION LENGTH REMARKS GRADE QTY GRADE PIECE MARK MARK MARK 2 MISC 19 2 C2x1x<sup>3</sup>/16 A36 19 M203 3-8

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG:			
		<u> </u>	27.04.00
For Fabrication		ALN ALN	07-21-22 07-13-22
For Re-Approval A For Approval		ALN	07-13-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING:		
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PK	M CHK	.BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-2		O DEL
	JOB NUMBER	SHEET N	
DESCRIPTION: MISC. DETAIL	460	M203	3 (0)



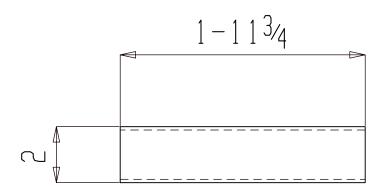


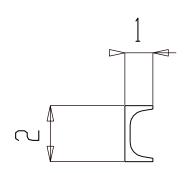
(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT QTY PIECE DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP MARK MARK MARK MARK 9 MISC M204 92 9 C2x1x<sup>3</sup>/16 3-113/4 92 A36 M204

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 For Re-Approval For Approval DESCRIPTION DATE CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL 460 M204





LOCATION:

CONTRACTOR:

DESCRIPTION:

ALASKA

MISC. DETAIL

ALASKA ENERGY AUTHORITY

# ONE MISC M205

(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT PIECE QTY DESCRIPTION QTY PIECE LENGTH GRADE SHIP DESCRIPTION LENGTH GRADE MARK MARK MARK MARK M205 ONE MISC 1 C2x1x<sup>3</sup>/16 1-113/4 A36 M205

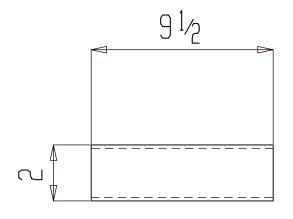
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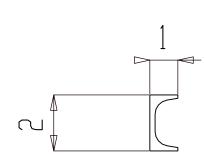
REF. DWG/SPEC :							
DEG REF. SPEC. / DWG :							
For Fabrication					ALN	07-2	1-22
⚠ For Re-Approval					ALN	07-1	3-22
A For Approval					ALN	07-0	6-22
REV.	DESCRIPTION				BY	DA	ΙTΕ
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEA	ANING:			
JOB NAME: NAPA	ASKIAK POWER SYSTEM	UPGRADE	DR. BY:	PKM	CHK	. BY:	ALN

SCALE: N.A.

DATE: 05-26-22

M205





DESCRIPTION:

MISC. DETAIL

# ONE MISC M206

(ASSEMBLY REFER: AS101)

NO PAINT

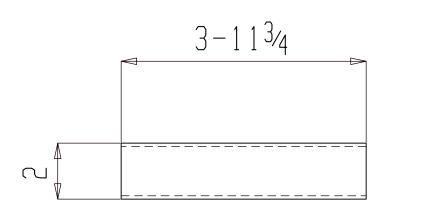
#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH SHIP PIECE DESCRIPTION LENGTH GRADE QTY GRADE PIECE REMARKS MARK MARK MARK MARK ONE MISC 1 C2x1x<sup>3</sup>/16 91ء A36 M206

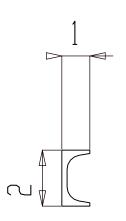
#### FOR FABRICATION

M206

SHOP NOTES.	
DEE DIMO/CDEC	
REF. DWG/SPEC:	
DEG REF. SPEC. / DWG :	
	ALN 07-21-22
For Re-Approval	ALN 07-13-22
A For Approval	ALN 07-06-22
REV. DESCRIPTION	BY DATE
HOLES U.N. 13/400 PAINT WELDS: E70VV CLEANING:	
HOLES U.N. 13/ <sub>16</sub> Ø 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.	
DATE: 05-26-22	·
CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER 1 S	SHEET NO. REV

OLIOD MOTEO





(ASSEMBLY REFER: AS101)

NO PAINT

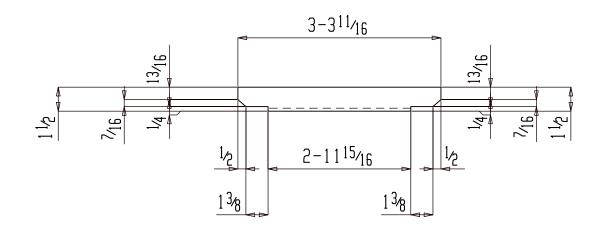
#### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT QTY PIECE WEIGHT DESCRIPTION QTY SHIP PIECE LENGTH REMARKS GRADE SHIP DESCRIPTION LENGTH REMARKS GRADE MARK MARK MARK MARK M207 2 MISC 20 2 C2x1x<sup>3</sup>/<sub>16</sub> 3-113/4 20 M207 A36

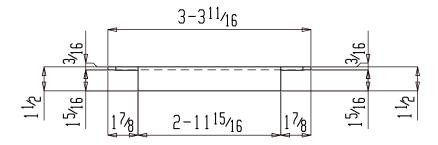
# SHOP NOTES:

FOR FABRICATION

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

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANIN	G:		
JOB NAM	NAPASKIAK POWER SYSTEM UPGRADE					E	DR. BY: PKM CHK. BY: AL				
			ALASKA					SCALE: N.A.			
CONTRA	CTOR:	ΔΙΔΩ	KΔ ENFI	RGY ALITHORITY	•			: 05-26			
OCIVITOR	ONTRACTOR: ALASKA ENERGY AUTHORITY						JOB N	JMBER	SI	HEET NO.	REV
DESCRIF	DESCRIPTION: MISC. DETAIL						46	60	l	M207	$\triangle$



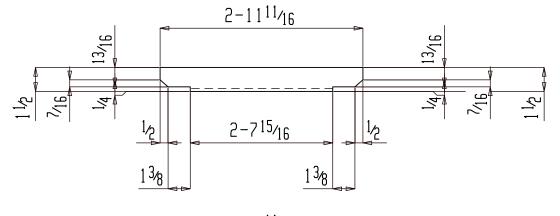


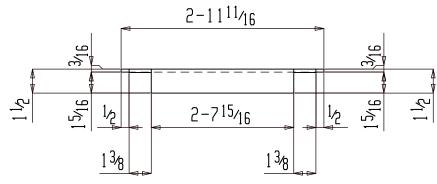
ASSEMBLY REFER : AS101

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY DESCRIPTION LENGTH WEIGHT QTY WEIGHT REMARKS GRADE SHIP PIECE DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE MARK MARK MARK MARK M208 10 MISC 60 10 L1½x1½x<sup>3</sup>/16 3-311<sub>/16</sub> A36 60 M208

		SHOP I	NOTES:						
REF. DWG/SPEC :									
DEG REF. SPEC. / DW	/G :								
For Fabrication							ALI	• • •	21-22
For Re-Approv	/al						ALI		·13-22 ·06-22
For Approval REV.		DESCRIPTION					ALI BY		ATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.	NO PAINT	WELDS:	E70XX		CLEANING	6:		
JOB NAME:	NIVDVČKIV	K POWER SYSTEM			DR. E	Y· P	км С	HK. BY:	ΔΙΝ
LOCATION:	ALASKA	K I OWLK SISILW	OI GIVADI	_		E: N.A.			/ \LIN
		NEDOV ALITUODITY			DATE	: 05-26	-22		
CONTRACTOR:	ALASKA E	NERGY AUTHORITY			JOB N	UMBER	SHEE	T NO.	REV
DESCRIPTION:	MISC. DET	AIL			4	60	M2	208	





ASSEMBLY REFER : AS101

NO PAINT

	BILL OF MATERIAL							BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M209		5	MISC				27								
	M209	5	L1 <sup>1</sup> 2×1 <sup>1</sup> 2× <sup>3</sup> /16	2-1111/16		A36	27								

#### FOR FABRICATION

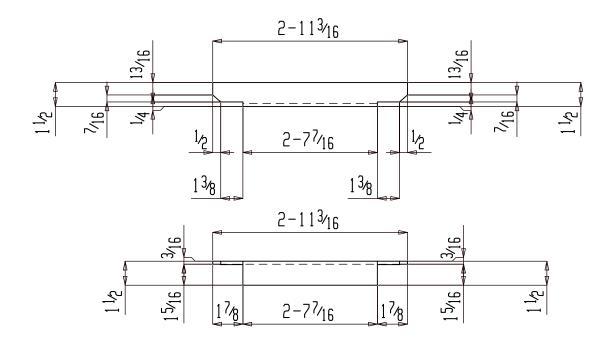
M209

REF. DWG/SPEC :				
DEG REF. SPEC. / D	WG:			
$\triangle$				
6 For Fabricat	on	ALN	07-2	1-22
	oval	ALN	07-1	3-22
A For Approva		ALN	07-0	6-22
REV.	DESCRIPTION	BY	DA	\TE
IOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS: E70XX CLEANING:			
		101114		
Job name:	NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM	CHK	. BY:	AL
OCATION:	ALASKA SCALE: N.A.			
CONTRACTOR:	ALASKA ENERGY AUTHORITY  DATE: 05-26-22			
CONTINACTOR.	ALASKA LINLINGT AUTHORITT JOB NUMBER	SHEET N	0.	RE

DESCRIPTION:

MISC. DETAIL

SHOP NOTES:

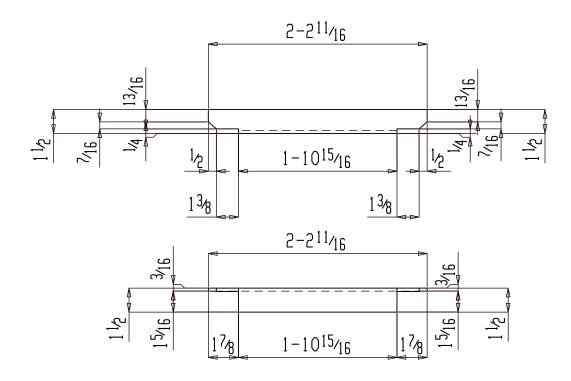


ASSEMBLY REFER : AS101

NO PAINT

		Е	BILL OF N	<b>MATE</b>	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M210		15	MISC				79								
	M210	15	11 الم2 1 الم2 1 1 1 الم	2-113/16		A36	79								

	SHOP N	OTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / D'	VG:				
$\triangle$					
For Fabricati				ALN	07-21-22
For Re-Appro	val			ALN	07-13-22
For Approval	DECORIDATION			ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANII	NG:	
19/160	PAINT U.N. NO PAINT NAPASKIAK POWER SYSTEM U	E/UXX			K. BY: ALN
JOB NAME:	NAPASKIAK POWER SYSTEM U	E/UXX		PKM CH	K. BY: ALI
JOB NAME: LOCATION:	NAPASKIAK POWER SYSTEM U ALASKA	E/UXX	DR. BY: SCALE: N.A DATE: 05-2	PKM   CHI  6-22	
HOLES U.N. 13/ <sub>16</sub> Ø  JOB NAME: LOCATION: CONTRACTOR: DESCRIPTION:	NAPASKIAK POWER SYSTEM U	E/UXX	DR. BY: SCALE: N.A	PKM CH	NO. RE

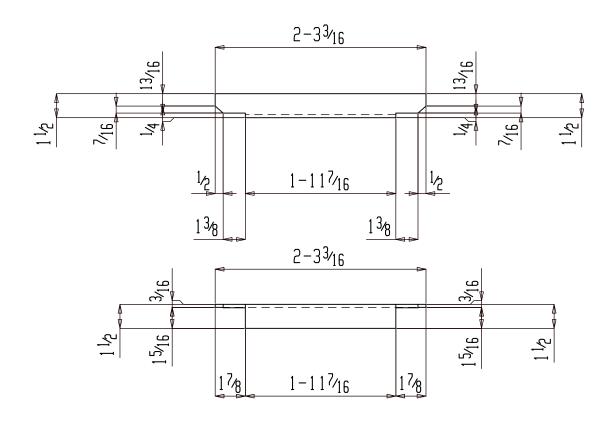


ASSEMBLY REFER : AS101

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY DESCRIPTION LENGTH WEIGHT PIECE QTY WEIGHT REMARKS GRADE SHIP DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE MARK MARK MARK MARK 10 MISC 40 10 L1½x1½x<sup>3</sup>/16 M211 2-211<sub>/16</sub> A36 40

	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG:					
				1	07.04.00
For Fabrication For Re-Approval				ALN ALN	07-21-22 07-13-22
A For Approval				ALN	07-13-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
JOB NAME: NAPA	SKIAK POWER SYSTEM	UPGRADE	DR. BY:	PKM CHK.	BY: ALN
LOCATION: ALASI	KA		SCALE: N.A.		
CONTRACTOR: ALASI	KA ENERGY AUTHORITY	,	DATE: 05-26	6-22 SHEET NO	D. REV
	DETAIL		JOB NUMBER 460		
BESTAIL HOLL. MICO.	DETAIL		100	M211	ر کے ا

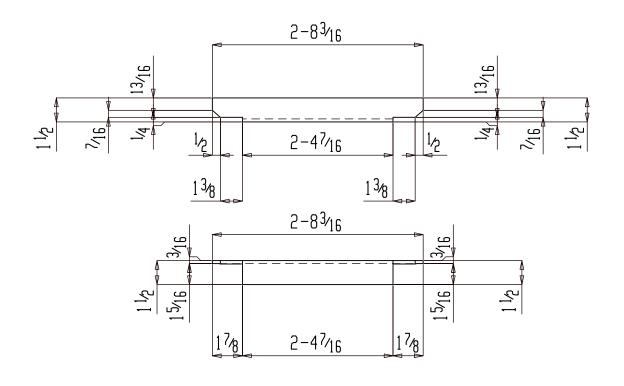


ASSEMBLY REFER : AS101

NO PAINT

		E	BILL OF N	1ATE	RIAL					BILL OF MATERIAL					
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M212		10	MISC				41								
	M212	10	L1 <sup>1</sup> ⁄2×1 <sup>1</sup> /2× <sup>3</sup> /16	2-33/16		A36	41								

	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DWG:					
For Fabrication					-21-22
For Re-Approval					-13-22
A For Approval	DECODIDATION			=	-06-22
REV.	DESCRIPTION			BY C	DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
			DD D)/ [	DIAM OLIK DV	
JOB NAME: NA	PASKIAK POWER SYSTEM	UPGRADE		PKM CHK. BY:	ALN
LOCATION: AL	ASKA		SCALE: N.A.		
CONTRACTOR: AL	ASKA ENERGY AUTHORITY	,	DATE: 05-26		l 55%
			JOB NUMBER	SHEET NO.	REV
DESCRIPTION: MIS	SC. DETAIL		460	M212	0



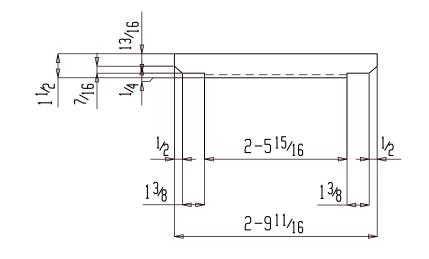
ASSEMBLY REFER : AS101

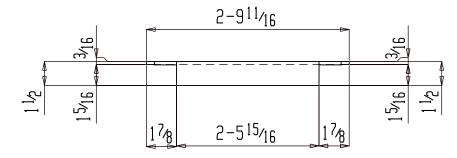
NO PAINT

		Е	BILL OF N	<b>1ΑΤΕ</b> Ι	RIAL					ŀ	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M213		5	MISC				24								
	M213	5	11م×1م/19 ا	2-83/16		A36	24								

## SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG : ✓ For Fabrication ALN 07-21-22 ⑥ For Re-Approval ALN 07-13-22 ⑥ For Approval ALN 07-06-22 REV. DESCRIPTION BY DATE

HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY:	PKM CHK. BY:	ALN
LOCATION:	ALASKA		SCALE: N.A.		
CONTRACTOR:	ALASKA ENERGY AUTHORITY	/	DATE: 05-26		
CONTINACTOR.	ALAGNA LINLINGT AUTHORIT		JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC. DETAIL		460	M213	$\triangle$





ASSEMBLY REFER : AS101

NO PAINT

		[	BILL OF N	1ATEI	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M214		5	MISC				25								
	M214	5	L1 <sup>1</sup> ⁄2×1 <sup>1</sup> /2× <sup>3</sup> /16	2-911/16		A36	25								
										·					

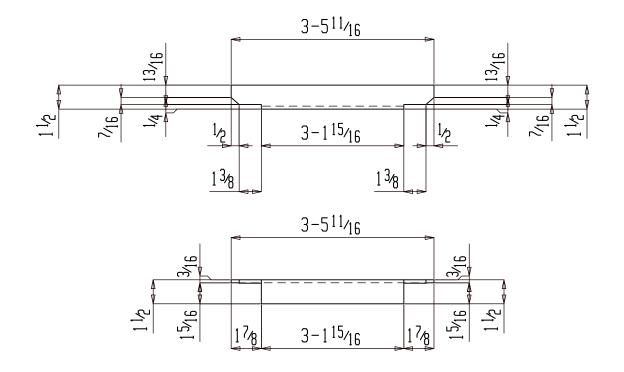
#### FOR FABRICATION

M214

			CLIODA	IOTEO.						
			SHOP N	VOTES:						
REF. DWG/SPEC :										
DEG REF. SPEC. / D	WG:									
	ion							ALN	07-2	1-22
<b>№</b> For Re-Appr	oval							ALN	07-1	3-22
A For Approva								ALN	07-0	6-22
REV.			DESCRIPTION					BY	DA	TE
HOLES U.N. 13/16Ø	5	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING:			
JOB NAME:	NAPA	SKIAK F	OWER SYSTEM	UPGRAD	E	DR. E	Y: PKM	CHK	(.BY:	ALN
LOCATION:	ALAS	KΔ				SCAL	E: N.A.			
						DATE	: 05-26-22			
CONTRACTOR:	ALAS	KA ENEI	RGY AUTHORITY					SHEET N	10	RFV

DESCRIPTION:

MISC. DETAIL

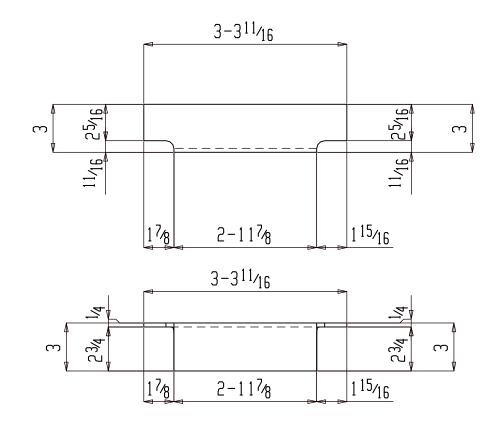


ASSEMBLY REFER : AS101

NO PAINT

			BILL OF N	MATE	RIAL	_				[	BILL OF M	1ATE	RIAL		
SHI	P PIEC	E QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAR	K MARI							MARK	MARK						
M215		15	MISC				94								
	M215	15	L1½x1½x³/16	3-5 <sup>11</sup> /16		A36	94								
										·					

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
For Fabrication		ALN 07	'-21-22
For Fabrication   For Re-Approval   Section   For Re-Approval			-21-22 '-13-22
A For Approval			'-06-22
REV. DESCRIPTION		1 1-1 1	DATE
DANTIN DECEMBER OF THE PROPERTY OF THE PROPERT	LOUEANING	^	
HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING	<b>σ</b> :	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK. BY	: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		
	JOB NUMBER	SHEET NO.	REV
DESCRIPTION: MISC. DETAIL	460	M215	

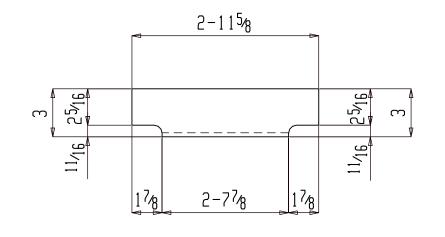


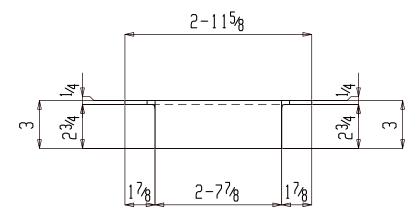
(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIF	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M216		10	MISC				162								
	M216	10	L3x3x <sup>1</sup> 4	3-311/16		A36	162								
										·					
										·					

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG:			
For Fabrication		ALN	07-21-22
B For Re-Approval		ALN	07-13-22
For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK	.BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		
	JOB NUMBER	SHEET N	Λ
DESCRIPTION: MISC. DETAIL	460	M216	$\delta \mid \triangle \mid$





(ASSEMBLY REFER: AS101)

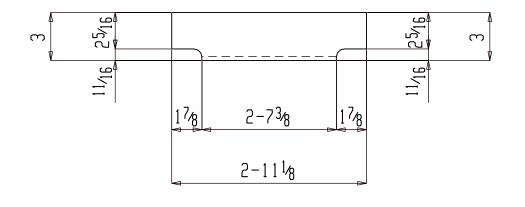
NO PAINT

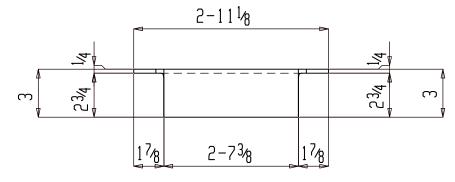
			E	BILL OF N	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
S	HIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
М	ARK	MARK							MARK	MARK						
M2 1	17		5	MISC				73								
	١	M217	5	L3x3x <sup>1</sup> 4	2-115/8		A36	73								

#### FOR FABRICATION

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG:			
For Fabrication		ALN	07-21-22
For Re-Approval		ALN	07-13-22
A For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CH	K. BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
	DATE: 05-26	-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET N	NO. REV
DESCRIPTION: MISC. DETAIL	460	M21	7   🙆

SHOP NOTES:





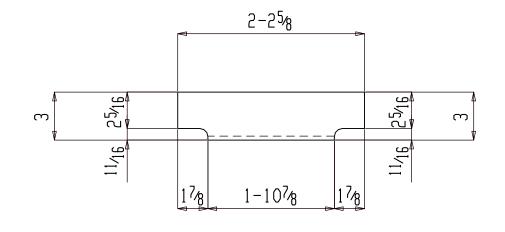
(ASSEMBLY REFER: AS101)

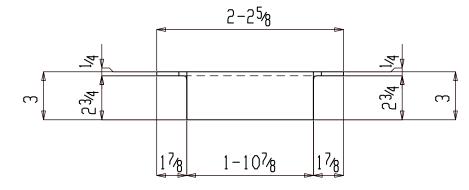
NO PAINT

#### FOR FABRICATION SHOP NOTES:

			BILL OF M	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M218		15	MISC				215								
	M218	15	L3x3x <sup>1</sup> / <sub>4</sub>	2-111/8		A36	215								

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
			07.04.00
For Fabrication		ALN	07-21-22
For Re-Approval		ALN	07-13-22
A For Approval		ALN	07-06-22
REV. DESCRIPTION		BY	DATE
OLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING	<b>3</b> :	
OB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM CHK	. BY: ALN
OCATION: ALASKA	SCALE: N.A.		
	DATE: 05-26-	-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET N	O. REV



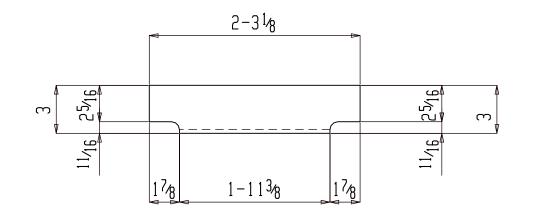


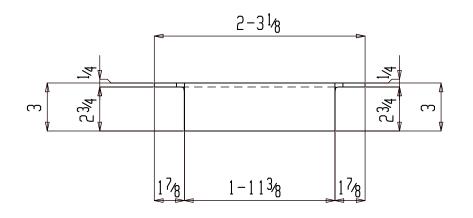
(ASSEMBLY REFER: AS101)

NO PAINT

		[	BILL OF M	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M219		10	MISC				109								
	M219	10	L3x3x <sup>1</sup> 4	2-25/8		A36	109								
										·					

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
		4111	07.04.00
For Fabrication For Re-Approval		ALN	07-21-22 07-13-22
A For Approval		ALN	07-13-22
REV. DESCRIPTION		BY	DATE
HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM CHK.	BY: ALN
LOCATION: ALASKA	SCALE: N.A.	-	
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26	-22 SHEET NO	. I REV
DESCRIPTION: MISC. DETAIL	JOB NUMBER 460	M219	. REV
DEOGNII HON. WIOC. DETAIL	400	IVIZ 19	



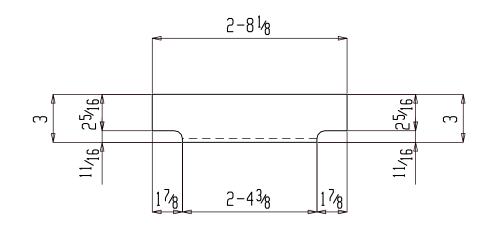


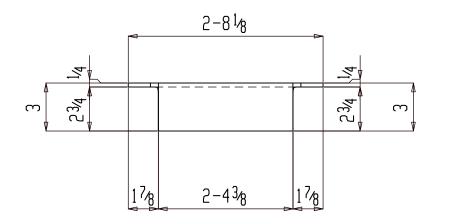
(ASSEMBLY REFER: AS101)

NO PAINT

		E	BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M220		10	MISC				111								
	M250	10	L3x3x <sup>1</sup> / <sub>4</sub>	2-31/8		A36	111								

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
For Fabrication		ALN	07-21-22
For Re-Approval		ALN	07-13-22
For Approval  REV. DESCRIPTION		ALN BY	07-06-22
REV. DESCRIPTION		DY	DATE
HOLES U.N. 13/16Ø PAINT WELDS: E70XX	CLEANING:	:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PI	KM CHK	. BY: ALN
LOCATION: ALASKA	SCALE: N.A.	1	
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-		
	JOB NUMBER	SHEET N	
DESCRIPTION: MISC. DETAIL	460	M220	



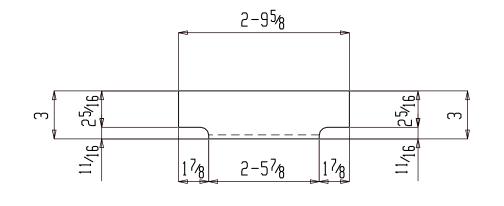


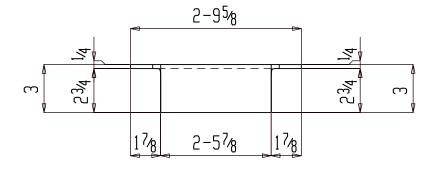
(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY DESCRIPTION LENGTH WEIGHT PIECE QTY LENGTH WEIGHT SHIP PIECE REMARKS GRADE SHIP DESCRIPTION REMARKS GRADE MARK MARK MARK MARK M221 5 MISC 66 5 L3x3x<sup>1</sup>/<sub>4</sub> M221 5-81⁄8 A36 66

	SHOP NOT	ES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DV	/G :				
For Fabrication				ALN	07-21-22
For Re-Appro	/al			ALN	07-13-22
For Approval				ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
1101 50 1111	L DAINTHAI	100.	LOI EANING		
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WEL	E70XX	CLEANING	j:	
JOB NAME:	NAPASKIAK POWER SYSTEM UP	GRADE	DR. BY: P	KM CHK.	BY: ALN
LOCATION:	ALASKA		SCALE: N.A.		
			DATE: 05-26	-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET NO	). REV
DESCRIPTION:	MISC. DETAIL		460	M221	



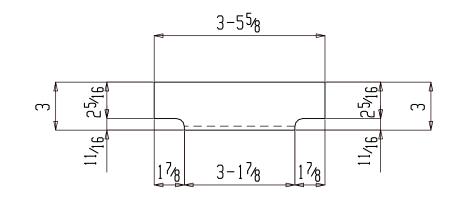


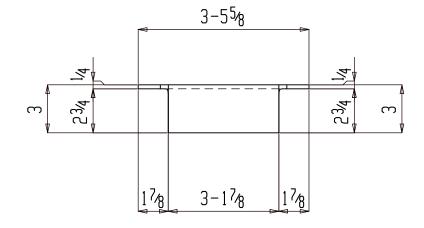
(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT WEIGHT DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE QTY DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE MARK MARK MARK MARK M222 5 MISC 69 5 L3x3x<sup>1</sup>4 M255 2-95/8 A36 69

			SHOP N	VOTES:							
REF. [	OWG/SPEC :										
DEG F	REF. SPEC. / DW	'G :									
	For Fabrication								ALN		21-22
B	For Re-Approv	al							ALN		3-22
A	For Approval		DECORPTION						ALN		06-22
REV.			DESCRIPTION						BY	DA	ATE
HOLES U.	N 40: -:		PAINTUN. NO DAINT	WELDS:			CLEANIN	C:			
HULES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø		NO PAINT	WLLDS.	E70XX		CLEANIN	G.			
JOB N	NAME:	NAPA	SKIAK POWER SYSTEM	UPGRADE		DR. E	BY: F	PKM	CHK	. BY:	ALN
LOCA	TION:	ALAS	KΑ			SCAL	E: N.A.				
						DATE	: 05-26	5-22			
CON	TRACTOR:	ALAS	KA ENERGY AUTHORITY			JOB N	UMBER	SI	HEET N	0.	REV
DESC	RIPTION:	MISC.	. DETAIL			4	60		M222	2	$\triangle$





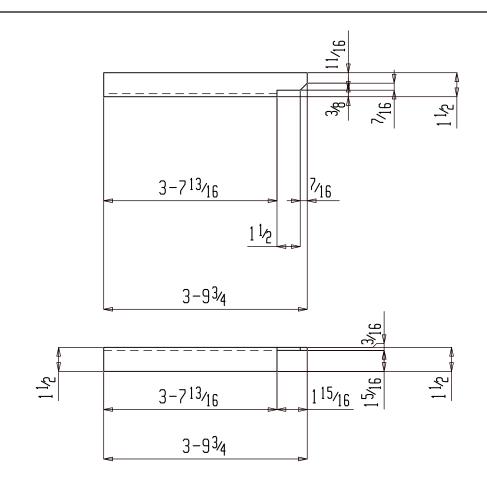
(ASSEMBLY REFER: AS101)

NO PAINT

#### FOR FABRICATION SHOP NOTES:

		-	BILL OF M	1ATE	RIAL					<u> </u>	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M223		15	MISC				255								
	M223	15	L3x3x <sup>1</sup> 4	3-55/8		A36	255								
										·					

REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
<u> </u>		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/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK	C. BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
	DATE: 05-26	5-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET N	IO. REV
DESCRIPTION: MISC, DETAIL	460	M223	3   ^

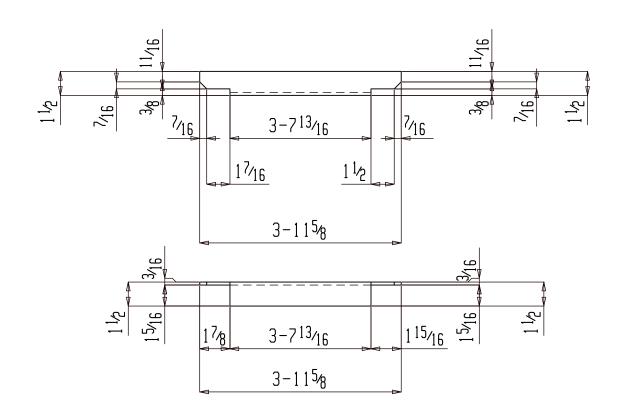


ASSEMBLY REFER : AS101

NO PAINT

		[	BILL OF N	1ATEI	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M224		4	MISC				27								
	M224	4	L1½x1½x3/16	3-93/4		A36	27								

	SHOP	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DV	VG :				
For Fabrication				7 12.1	21-22
For Re-Appro	val				13-22
For Approval	PEOODIDTION			1 1 1 1	06-22
REV.	DESCRIPTION			BY   D	ATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY: F	PKM CHK. BY:	ALN
LOCATION:	ALASKA		SCALE: N.A.		
		,	DATE: 05-26	6-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY	<b>'</b>	JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC. DETAIL		460	M224	

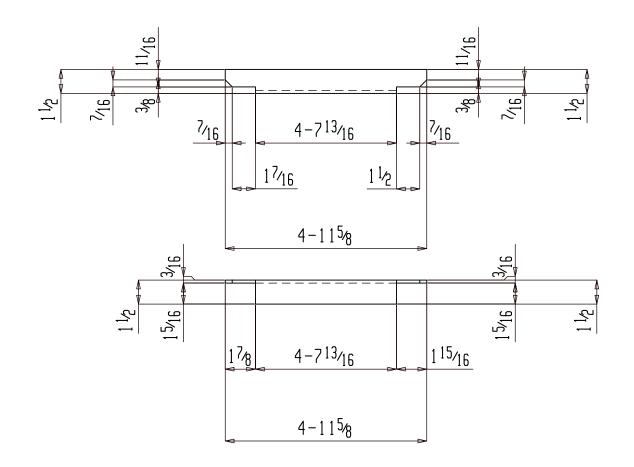


ASSEMBLY REFER : AS101

NO PAINT

			BILL OF N	1ATE	RIAL					F	BILL OF M	1ATE	RIAL		
SHI	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAR	K MARK							MARK	MARK						
M225		4	MISC				29								
	M225	4	L1 <sup>1</sup> / <sub>2</sub> ×1 <sup>1</sup> / <sub>2</sub> × <sup>3</sup> / <sub>16</sub>	3-115/8		A36	29								

B         For Re-Approval         ALN 07           ⚠         For Approval         ALN 07	
DEG REF. SPEC. / DWG :	
DEG REF. SPEC. / DWG :	
DEG REF. SPEC. / DWG :	
DEG REF. SPEC. / DWG :	
Column         For Fabrication         ALN 07           B For Re-Approval         ALN 07           ⚠ For Approval         ALN 07	
B         For Re-Approval         ALN 07           A         For Approval         ALN 07	
ALN 07	7-21-22
<u> </u>	
REV.   DESCRIPTION   BY	
	Structure         For Re-Approval         ALN         07-13-22           ALN         07-06-22
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY	Y: ALI
LOCATION: ALASKA SCALE: N.A.	
DΔTE: 05-26-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER SHEET NO.	l RE'
DESCRIPTION: MISC. DETAIL 460 M225	KE

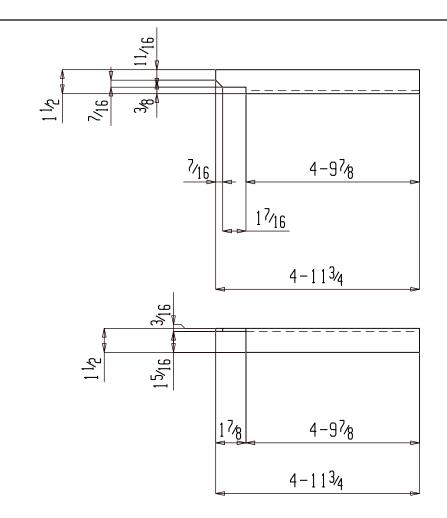


ASSEMBLY REFER : AS101

NO PAINT

	_	E	BILL OF N	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M226		16	MISC				143								
	M226	16	L1 <sup>լ</sup> ծ×1լ <sup></sup> 5×3 <sup>յ</sup> լ6	4-115/8		A36	143								

			SHOP N	NOTES:					
REF.	DWG/SPEC :								
DEG F	REF. SPEC. / DW	G :							
A	F. F. L. d f.							AL NI 07	04.0
<u>/0\</u> /B\	For Fabrication For Re-Approv								-21-2 -13-2
A	For Approval	aı							-13-2 -06-2
REV.	, or reprove	DESCR	IPTION						ATE
HOLES U	<sup>J.N.</sup> 13/ <sub>16</sub> Ø	PAINT U.N. NO PA	AINT	WELDS:	E70XX	CLEAN	NG:		
JOB	NAME:	NAPASKIAK POWER	SYSTEM	UPGRADI	E	DR. BY:	PKM	CHK. BY	: Al
	ATION:	ALASKA				SCALE: N.A	١.		
$_{-}$	TDACTOD.	ALACKA ENEDOVAL	ITHORITY			DATE: 05-2		UEETNO	
	TRAUTUR:	ALASKA ENERGY AL						HEET NO.	
CON	TRACTOR: CRIPTION:	ALASKA ENERGY AU MISC. DETAIL	THORITI			JOB NUMBER 460		M226	RI

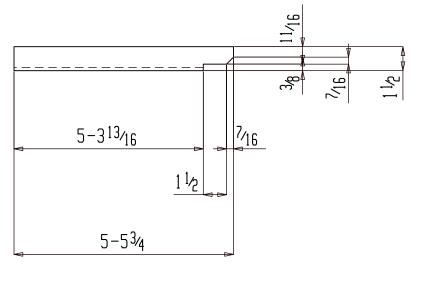


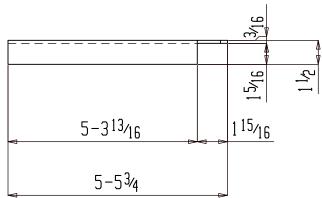
ASSEMBLY REFER : AS101

NO PAINT

		[	BILL OF N	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M227		4	MISC				36								
	M227	4	L1 <sup>1</sup> / <sub>2</sub> x1 <sup>1</sup> / <sub>2</sub> x <sup>3</sup> / <sub>16</sub>	4-113/4		A36	36								

				SHOP I	VOTES:						
DEE I	DWG/SPEC :										
	REF. SPEC. / DW	G:									
<u>^</u>	For Fabrication								ALN		1-22
B	For Re-Approv	al							ALN		3-22
A DEV	For Approval			DESCRIPTION					ALN		6-22
REV.				DESCRIPTION					BY	L DF	ATE_
OLES U	.N. 13/ <sub>16</sub> Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING	:		
	<sup>N.</sup> 13/ <sub>16</sub> Ø			NO PAINT OWER SYSTEM			DR. E			К. ВY:	ALN
JOB I	NAME:	NAPAS	SKIAK PO							<. ву:	ALN
IOB I	NAME: ATION:	NAPAS ALAS	SKIAK PO	OWER SYSTEM	 UPGRADI		SCAL	BY: P E: N.A. E: 05-26-	KM CHI		
CON	NAME:	NAPAS ALASH ALASH	SKIAK PO		 UPGRADI		SCAL DATE JOB N	BY: P E: N.A.	KM CHI	NO.	ALN



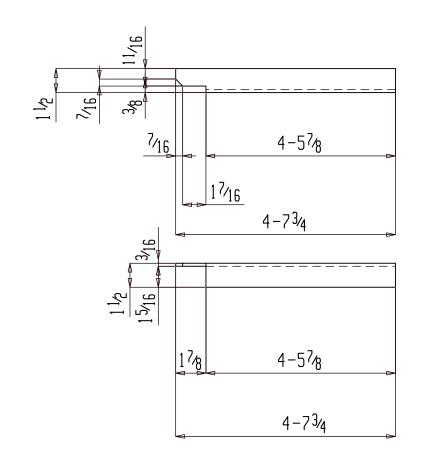


ASSEMBLY REFER : AS101

NO PAINT

			BILL OF N	/ATE	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M228		4	MISC				39								
	M228	4	L1 1/2 x 1 1/2 x 3/16	5-53/4		A36	39								

	SHOP N	VOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / D	NG:				
✓ For Fabrication				ALN	07-21-22
For Re-Appr				ALN	07-21-22
A For Approva				ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
HOLES U.N. 13/160	PAINT U.N. NO PAINT	WELDS: F70XX	CLEAN	NG:	
10/1600	NO PAIN I	E/UXX			K. BY: ALI
JOB NAME:	NAPASKIAK POWER SYSTEM	E/UXX	DR. BY:	PKM CH	K. BY: ALI
JOB NAME: LOCATION:	NAPASKIAK POWER SYSTEM ALASKA	UPGRADE	DR. BY:	PKM CHI	K. BY: ALI
HOLES U.N. 13/16Ø  JOB NAME: LOCATION: CONTRACTOR: DESCRIPTION:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY:	PKM CHI	

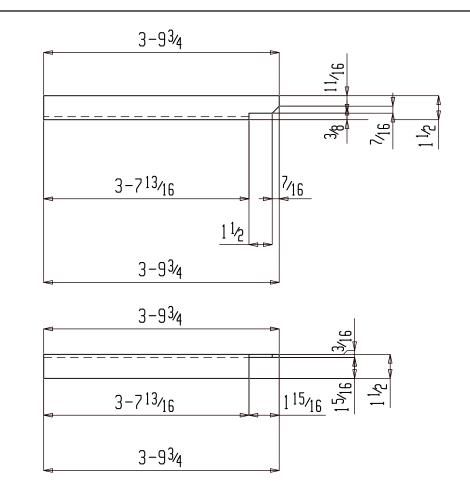


(ASSEMBLY REFER : AS101)

NO PAINT

		E	BILL OF N	<b>1</b> АТЕ	RIAL					i	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M229		4	MISC				33								
	M229	4	L1 <sup>1</sup> ⁄2×1 <sup>1</sup> ⁄2× <sup>3</sup> /16	4-73/4		A36	33								

SHOP NOTES:			
REF. DWG/SPEC :			
DEG REF. SPEC. / DWG :			
		1	24.00
For Fabrication			21-22
For Re-Approval A For Approval			13-22 06-22
A For Approval   DESCRIPTION			ATE
NEV. BESSYM HOW			112
HOLES U.N. 13/16Ø PAINTU.N. NO PAINT WELDS: E70XX	CLEANING	i:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM CHK. BY:	ALN
LOCATION: ALASKA	SCALE: N.A.		
	DATE: 05-26-	-22	
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO.	REV
DESCRIPTION: MISC. DETAIL	460	M229	



(ASSEMBLY REFER : AS101)

NO PAINT

		-	BILL OF N	1ATEI	RIAL					-	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M230		4	MISC				27								
	M230	4	L1½x1½x3/16	3-93/4		A36	27								

### SHOP NOTES: DWG/SPEC:

FOR FABRICATION

460

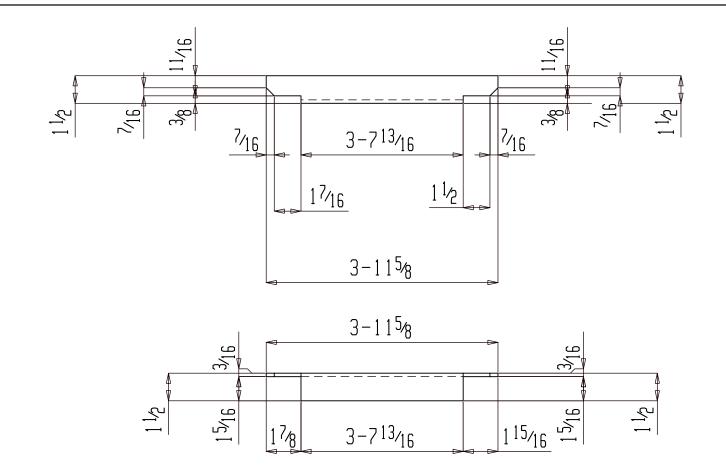
M230

REF. DWG/SPEC : DEG REF. SPEC. / DWG: © B A REV. ALN 07-21-22 ALN 07-13-22 ALN 07-06-22 BY DATE For Fabrication For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN SCALE: N.A. NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: LOCATION: ALASKA DATE: 05-26-22

JOB NUMBER SHEET NO. CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION:

MISC. DETAIL

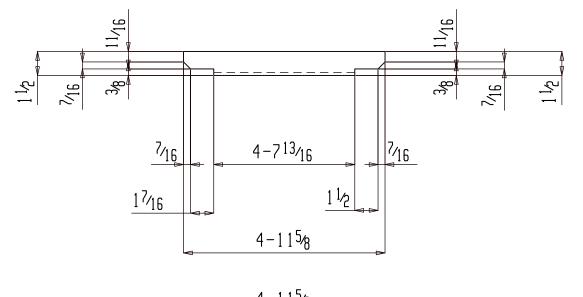


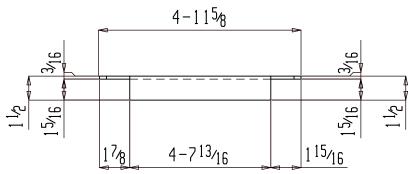
(ASSEMBLY REFER : AS101)

NO PAINT

			BILL OF M	1ΔΤΕ	RΤΔΙ					ļ	BILL OF M	1ΔΤΕ	RΤΔΙ		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK					2.3102		MARK	MARK						
M231		4	MISC				29								
	M231	4	L1½x1½x <sup>3</sup> /16	3-115/8		A36	29								

	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / DV	/G:				
					<b>-</b> 04 00
For Fabricatio					7-21-22
For Re-Approval	/ai				7-13-22 7-06-22
REV.	DESCRIPTION			BY	DATE
·					
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING	3:	
JOB NAME:	NAPASKIAK POWER SYSTEM	UPGRADE	DR. BY: F	KM CHK. B	Y: ALN
LOCATION:	ALASKA	0. 0.0.5	SCALE: N.A.	l .	
	, 12, 13, 13, 1	,	DATE: 05-26	-22	
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC. DETAIL		460	M231	



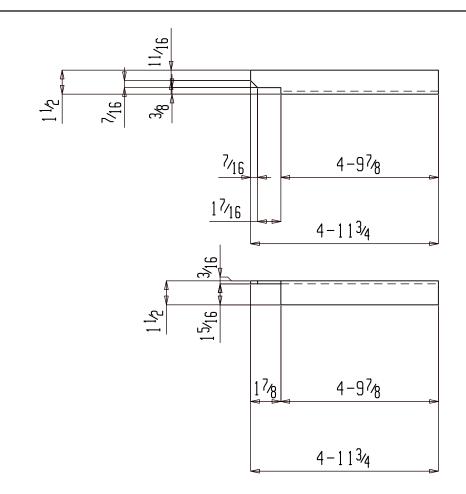


(ASSEMBLY REFER : AS101)

NO PAINT

			Е	BILL OF M	1ATE	RIAL					Е	BILL OF M	1ATE	RIAL		
SH:	IP PIE	CE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MAF	RK MA	RK							MARK	MARK						
M232			16	MISC				143								
	M232	)	16	L1 <sup>լ</sup> ⁄2×1 <sup>լ</sup> /2× <sup>3</sup> յլ6	4-115/8		A36	143								

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/ <sub>16</sub> Ø PAINT WELDS: E70XX	CLEANING	G:	
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	км снк	. BY: ALN
LOCATION: ALASKA	SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		
	JOB NUMBER	SHEET N	O. REV
DESCRIPTION: MISC. DETAIL	460	M232	2   🙆

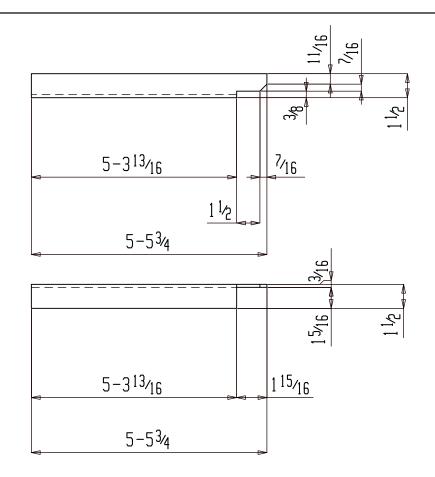


(ASSEMBLY REFER : AS104)

NO PAINT

			BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M233		4	MISC				36								
	M233	4	L1½x1½x3/16	4-113/4		A36	36								
							·								

		SHOP NOTES:					
							-
REF. DWG/SPEC :							
DEG REF. SPEC. / DW	G:						
						07.04	
For Fabrication  B For Re-Approx					ALN ALN	07-21 07-13	
A For Approval	di .				ALN	07-13	
REV.	DESCRIPTIO	N			BY	DAT	
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS:	E70XX	CLEANII	NG:		
JOB NAME:	NAPASKIAK POWER SYS	STEM UPGRAD	)E	DR. BY:	PKM CHK	К. ВҮ:   ,	ALN
LOCATION:	ALASKA			SCALE: N.A			
CONTRACTOR:	ALASKA ENERGY AUTHO	ORITY		DATE: 05-2		10	DEV
DESCRIPTION:		<u> </u>		JOB NUMBER	SHEET N		REV
DESCRIPTION:	MISC. DETAIL			460	M233	٥   ،	<u> </u>

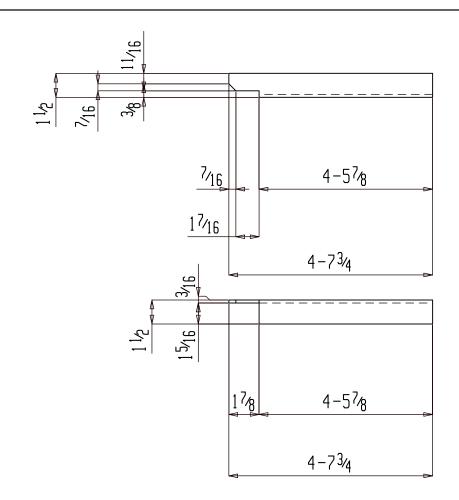


(ASSEMBLY REFER : AS101)

NO PAINT

			BILL OF N	1ATE	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M234		4	MISC				39								
	M234	4	L1½x1½x3/16	5-53/4		A36	39								

SHOP NOTES:			
REF. DWG/SPEC:			
DEG REF. SPEC. / DWG :			
			4.00
For Fabrication	ALN	07-2	
For Re-Approval	ALN	07-1 07-0	-
REV. DESCRIPTION	ALN BY		0-22 \TE
ILLV.	ן וטון	טר	
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.	•		
DATE: 05-26-22			
CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER	SHEET N	0.	REV
DESCRIPTION: MISC. DETAIL 460	M234	1	$\bigcirc$

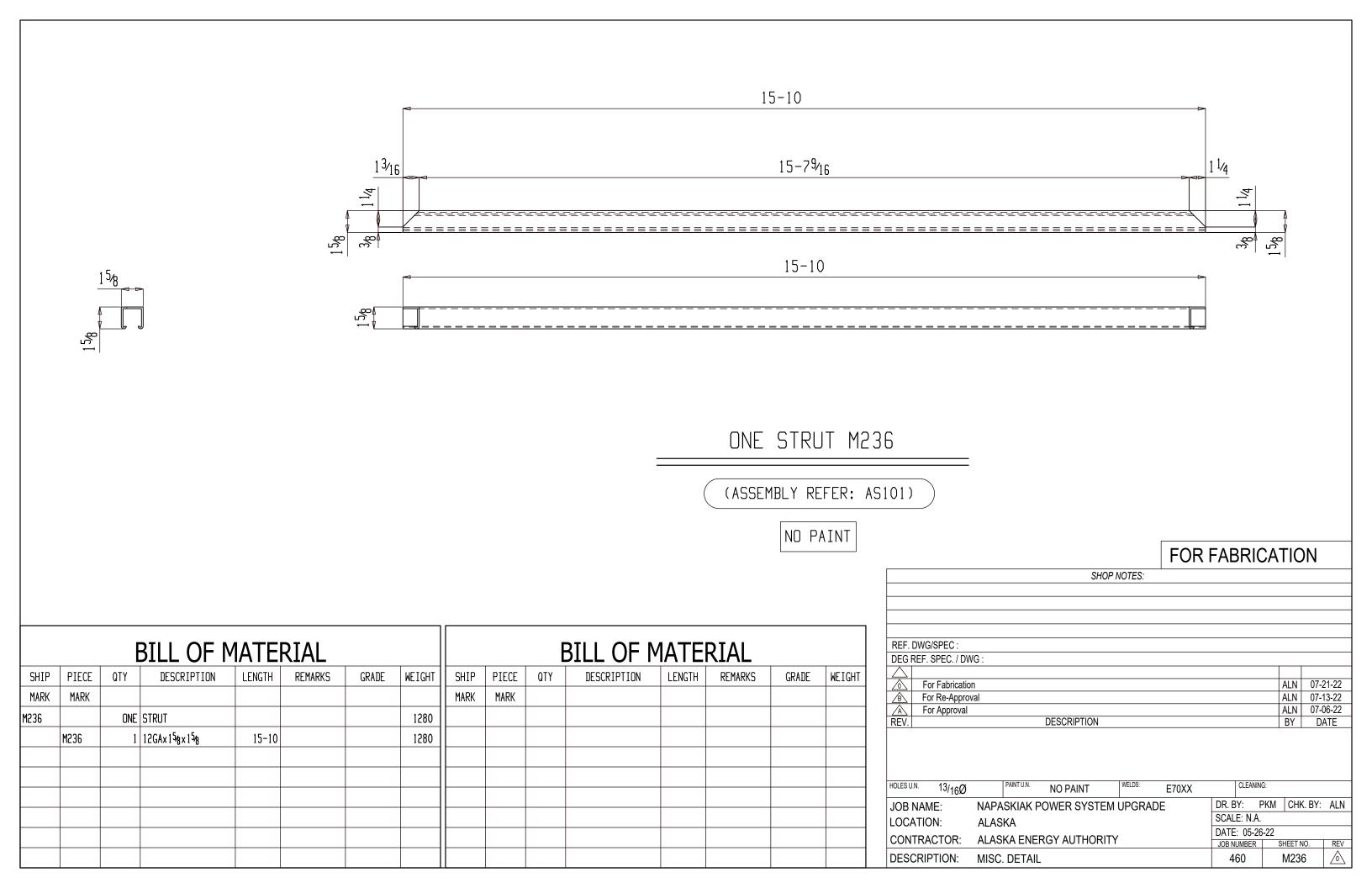


(ASSEMBLY REFER : AS101)

NO PAINT

			BILL OF N	ΛΔΤΕΙ	RΤΔΙ					į	BILL OF M	1ΔΤΕ	RΤΔΙ		
SHIP	PIECE		DIEC OF T	LENGTH	REMARKS	GRADE	HETCHT	SHIP	PIECE		DESCRIPTION			CDADE	HETCHT
		QTY	DESCRIPTION	LENGIH	KEMAKKS	GRADE	WEIGHT	<u> </u>		QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M235		4	MISC				33								
	M235	4	L1 <sup>1</sup> / <sub>2</sub> x1 <sup>1</sup> / <sub>2</sub> x <sup>3</sup> / <sub>16</sub>	4-73/4		A36	33								

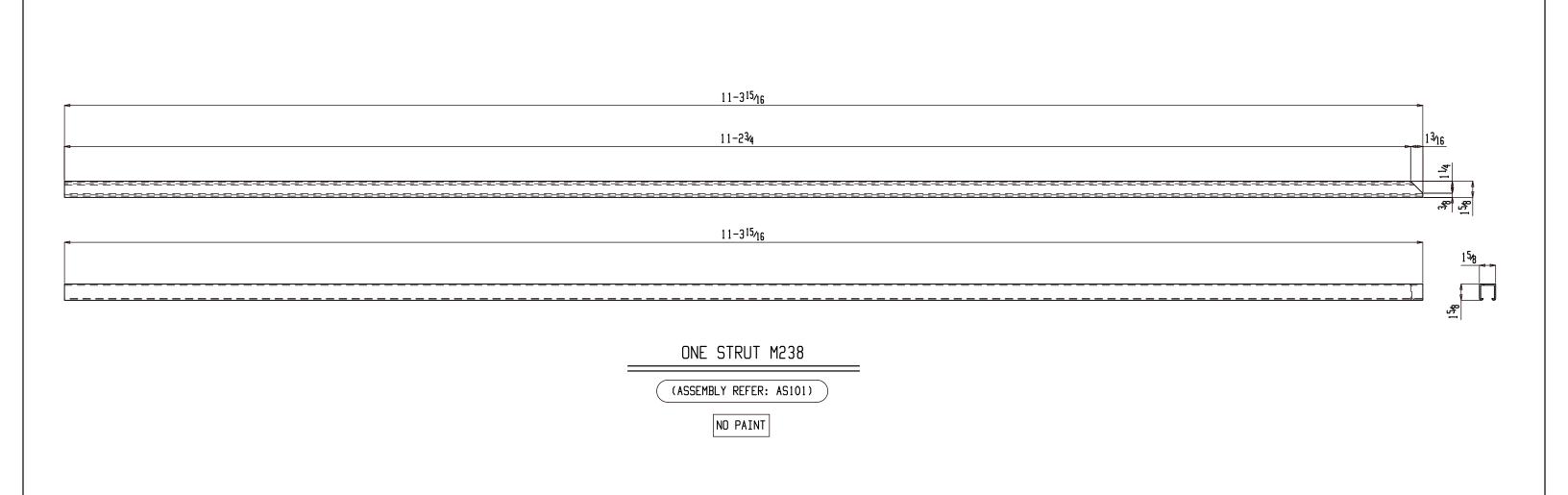
	Sł	HOP NOTES:				
REF. DWG/SPEC :						
DEG REF. SPEC. / DW	G:					
						07.04.00
For Fabrication  B For Re-Approx					ALN ALN	07-21-22 07-13-22
A For Approval	dI .				ALN	07-13-22
REV.	DESCRIPTION				BY	DATE
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT	WELDS:	E70XX	CLEANIN	NG:	
JOB NAME:	NAPASKIAK POWER SYST	EM UPGRAD	)E	DR. BY:	PKM CHK	C. BY: ALN
LOCATION:	ALASKA			SCALE: N.A		
CONTRACTOR:	ALASKA ENERGY AUTHOR	RITY		DATE: 05-2		IO DEV
				JOB NUMBER	SHEET N	
DESCRIPTION:	MISC. DETAIL			460	M23	5 0



 12-10	158
ONE STRUT M237  (ASSEMBLY REFER: AS101)  NO PAINT	
	FOR FABRICATION

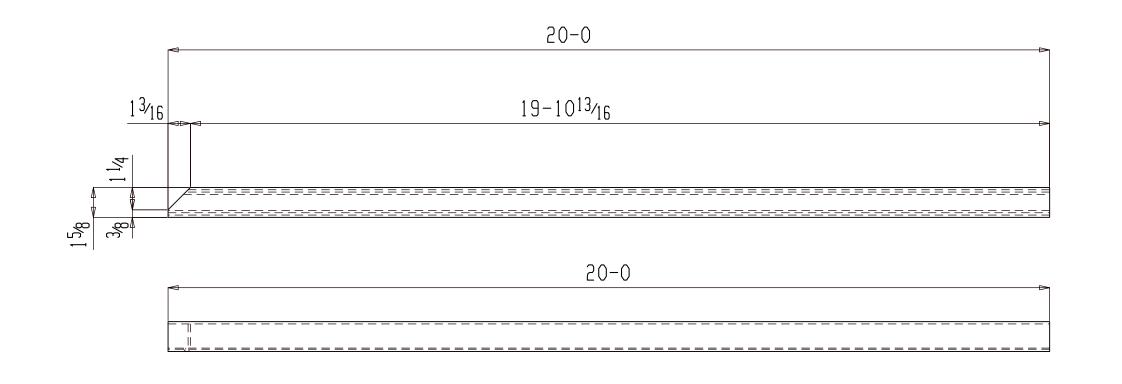
			BILL OF N	<b>1ΑΤΕΙ</b>	RIAL					-	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M237		ONE	STRUT				841								
	M237	1	12GAx15/8x15/8	12-10			841								

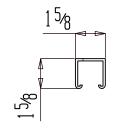
			FOR	HDI/I	CATIC	ЛN	
		SHOP NOTES:	,				
REF. DWG/SPEC :							
DEG REF. SPEC. / DV	/G :						
✓ For Fabricatio					ALN	07-21-22	2
For Fabrication For Re-Appro					ALN	07-21-22	
A For Approval	rai				ALN	07-13-22	
REV.	DESCRIPTIO	N			BY	DATE	
HOLES U.N. 13/40/X	PAINT U.N. NO DAINT	WELDS:		CLEAN	IING:		
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WEEDO.	E70XX				
JOB NAME:	NAPASKIAK POWER SYS	STEM UPGRAD	)E	DR. BY:		K. BY: AL	_N
LOCATION:	ALASKA			SCALE: N.			
CONTRACTOR:	ALASKA ENERGY AUTHO	) RITV		DATE: 05-			
		JIXII I		JOB NUMBER			_
DESCRIPTION:	MISC. DETAIL			460	M23	7   💪	)/



		F	BILL OF N	ΊΑΤΕΙ	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M238		ONE	STRUT				655								
	M238	1	12GAx15/8x15/8	11-315/16			655								

	FOR I	FABRIC	CATIC	N
SHOP NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
A For Foliables			ALNI	07.04.00
For Fabrication For Re-Approval			ALN ALN	07-21-22 07-13-22
A For Approval			ALN	07-13-22
REV. DESCRIPTION			BY	DATE
HOLES U.N. 134.60 PAINT U.N. NO DAINT WELDS:	F70\/\/	CLEANING	3.	
NO PAINT	E70XX			. =
JOB NAME: NAPASKIAK POWER SYSTEM UPGRAD	E		PKM CH	K. BY: ALN
LOCATION: ALASKA		SCALE: N.A.		
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26	-22 SHEET N	IO.   REV
DESCRIPTION: MISC. DETAIL		460	M23	
DECORN HOR. WIGO. DETAIL		400	IVIZO	201





FOR FABRICATION

DR. BY: PKM CHK. BY: ALN SCALE: N.A.

M239

DATE: 05-26-22 JOB NUMBER

#### ONE STRUT M239

(ASSEMBLY REFER: AS101)

NO PAINT

		[	BILL OF N	<b>ЧАТЕ</b> І	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M239		ONE	STRUT				2042								
	M239	1	12GAx15/8x15/8	20-0			2042								

# REF. DWG/SPEC: DEG REF. SPEC. / DWG: \$\insertarrow{\infty}\$ For Fabrication ALN 07-21-22 \$\insertarrow{\infty}\$ For Re-Approval ALN 07-13-22 \$\infty\$ For Approval ALN 07-06-22 REV. DESCRIPTION BY DATE

NAPASKIAK POWER SYSTEM UPGRADE

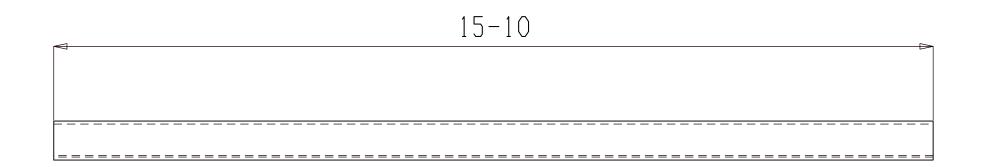
ALASKA

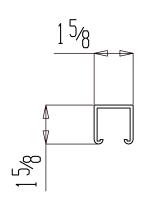
CONTRACTOR: ALASKA ENERGY AUTHORITY

MISC. DETAIL

JOB NAME: LOCATION:

DESCRIPTION:





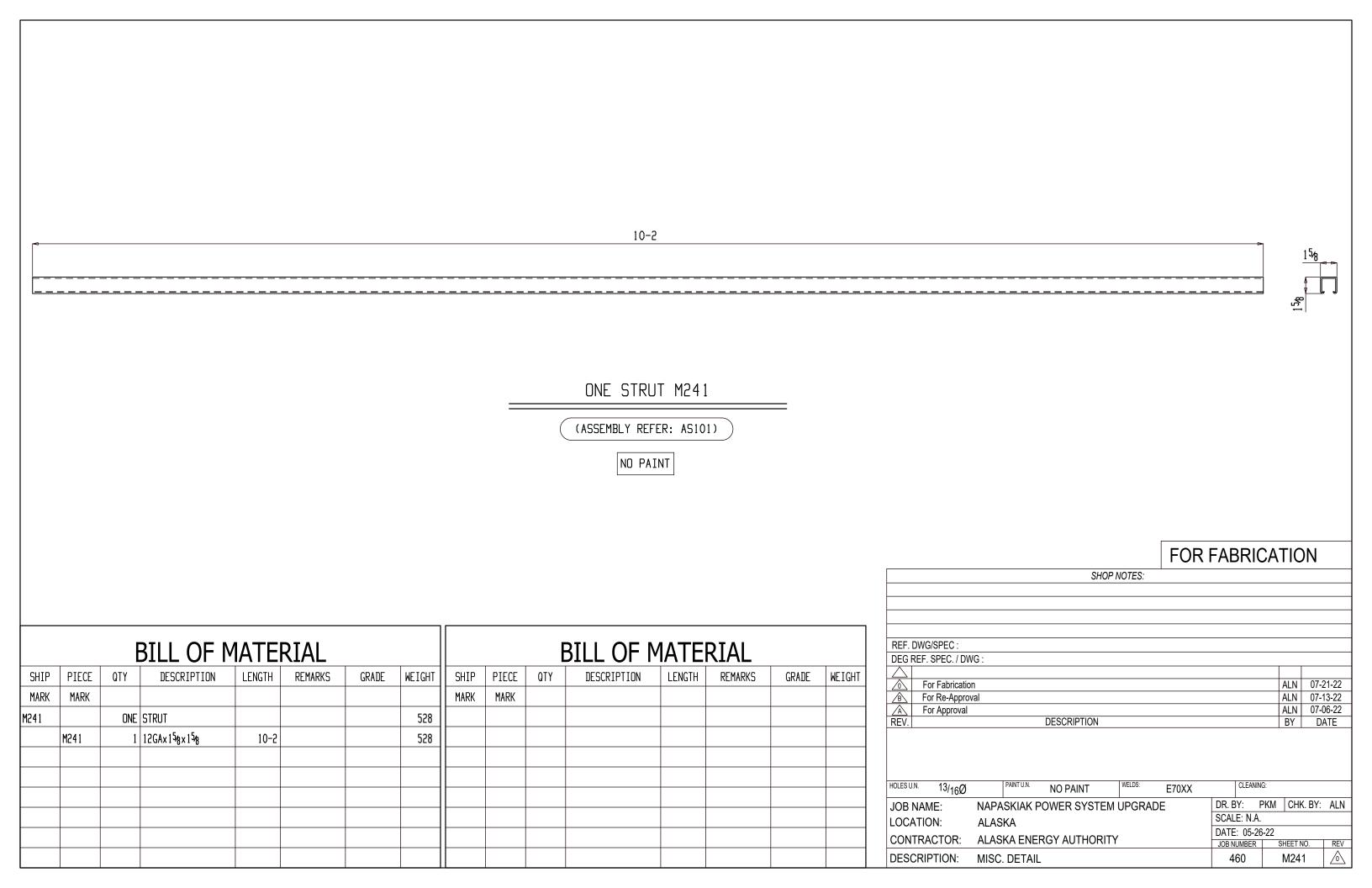
#### ONE STRUT M240

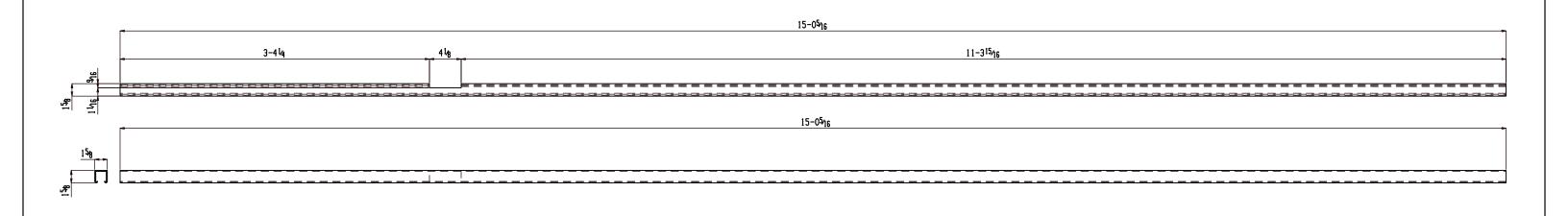
(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	<b>1ΑΤΕ</b>	RIAL					ŀ	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M240		ONE	STRUT				1280								
	M240	1	12GAx15/8x15/8	15-10			1280								

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN SCALE: N.A. NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: MISC. DETAIL M240





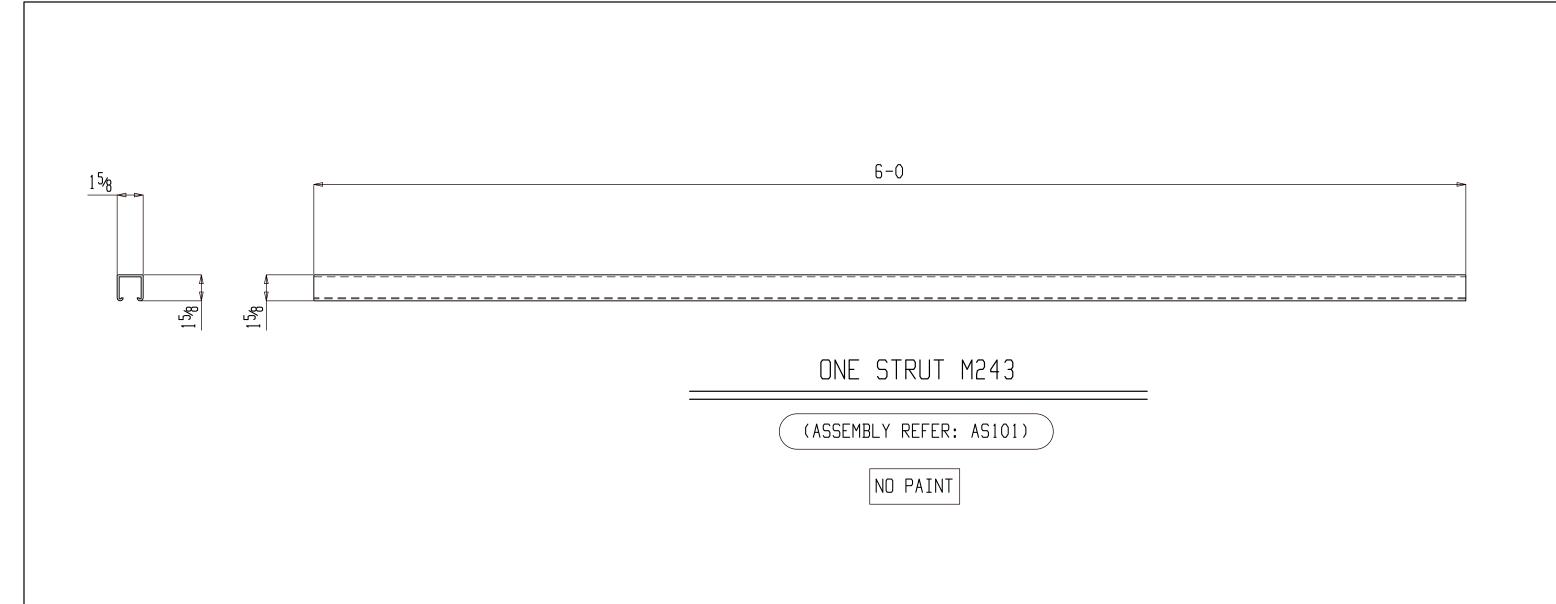
#### ONE STRUT M242

(ASSEMBLY REFER: AS101)

NO PAINT

		[	BILL OF N	1ATE	RIAL					[	BILL OF N	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M242		ONE	STRUT				1152								
	M242	1	12GAx15/8x15/8	15-0 <sup>5</sup> / <sub>16</sub>			1152								

					FOR I	FAE	RIC	CAC	ΠΟ	N	
			SHOP N	IOTES:							
	)WG/SPEC :										
DEG R	EF. SPEC. / DW	G:									
A	For Fobrication								A I A I	07-2	1 22
<u>/0</u> /B	For Fabrication For Re-Approv								ALN   ALN	07-2	
A	For Approval	aı							ALN	07-06	
REV.	1 or Approval		DESCRIPTION						BY	DA	
HOLES U.I	N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING	<b>3</b> :			
IOB N	NAME:	NAPASKIAK P	OWER SYSTEM	JPGRADE		DR. B	Y: F	KM	CHK	. BY:	ALN
-	TION:	ALASKA			-	SCAL	E: N.A.				
	-		NOV ALITHODITY			DATE	: 05-26	-22			
	RACTOR:	ALASKA ENEF	RGY AUTHORITY			JOB NI	JMBER	Sł	HEET N	0.	REV
DESC	RIPTION:	MISC. DETAIL				46	30	- 1	M242	2	$\wedge$



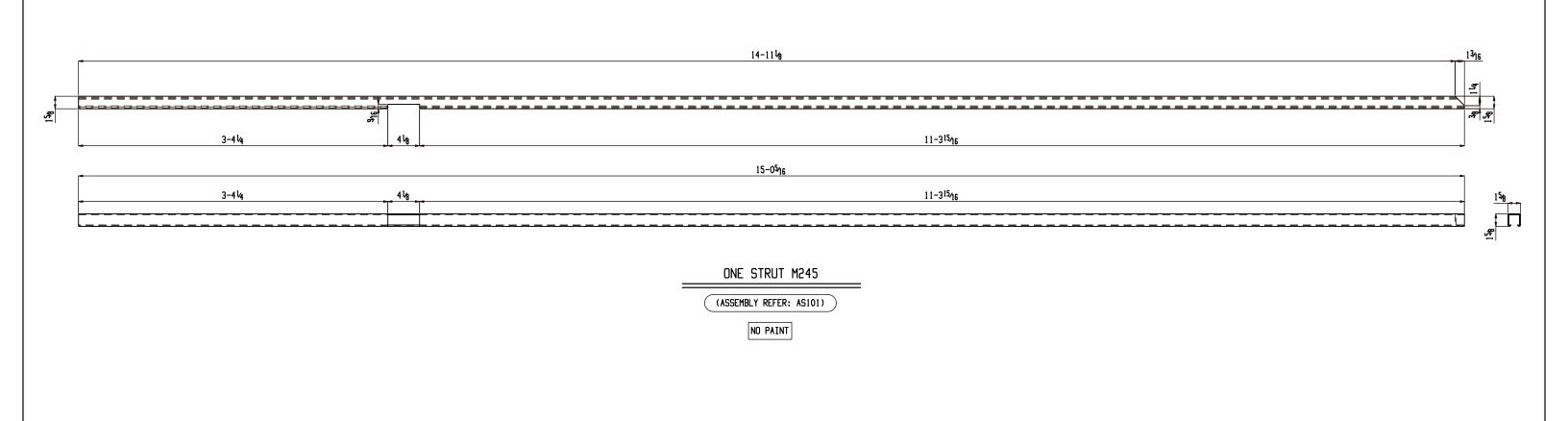
		<u>_</u>	BILL OF N	<u> 1ATE</u>	RIAL			BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M243		ONE	STRUT				184								
	M243	1	12GAx15/8x15/8	6-0			184								

	EOD EADDIOATION
	FOR FABRICATION
SHOP NO	ES:
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/ <sub>16</sub> Ø PAINT U.N. NO PAINT WE	LDS: E70XX CLEANING:
JOB NAME: NAPASKIAK POWER SYSTEM UF	GRADE DR. BY: PKM CHK. BY: ALM
LOCATION: ALASKA	SCALE: N.A.
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26-22
CONTINUO TON. ALASKA LINLINGT AUTHORITT	JOB NUMBER SHEET NO. REV
DESCRIPTION: MISC. DETAIL	460 M243

8-013/16	1 <sup>5</sup> /8
	85
ONE STRUT M244	
(ASSEMBLY REFER: AS101)  NO PAINT	

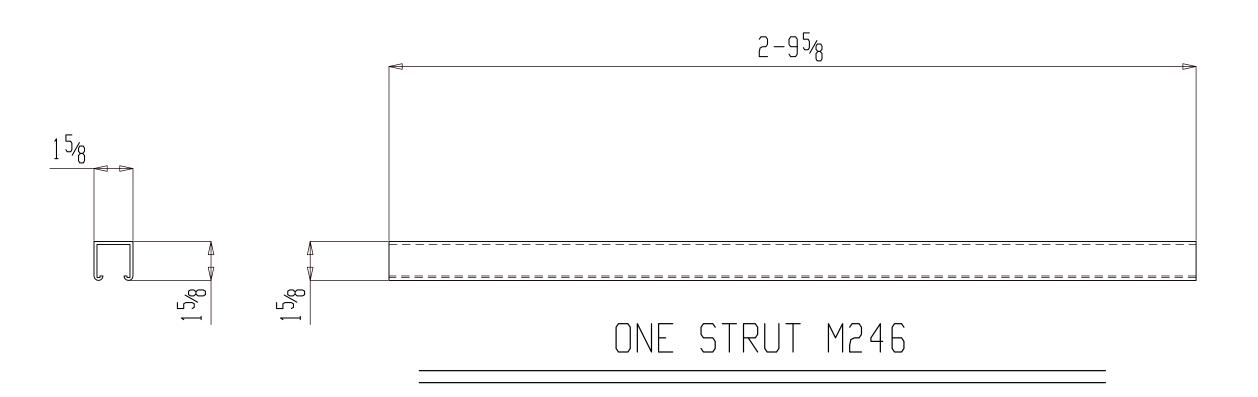
	BILL OF MATERIAL  P PIECE QTY DESCRIPTION LENGTH REMARKS GRADE WEI								BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M244		ONE	STRUT				332									
	M244	1	12GAx15/8x15/8	8-013/16			332									

	FOR F	AB	RIC	ATIC	N	
SHOP NOTES:	_ I					
REF. DWG/SPEC :						
DEG REF. SPEC. / DWG:						
				ļ		24.00
For Fabrication				ALN	٠	21-22
For Re-Approval				ALN		13-22 06-22
For Approval  REV. DESCRIPTION				BY		ATE
IOLES U.N. 13/ <sub>16</sub> Ø PAINT WELDS:	E70XX		CLEANING:			
JOB NAME: NAPASKIAK POWER SYSTEM UPGRAL	DE	DR. B	Y: PKN	л СН	K. BY:	ALN
LOCATION: ALASKA		SCALE	E: N.A.	•		
			05-26-22			
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER SHE		SHEET		REV
DESCRIPTION: MISC. DETAIL			30	M24		



	BILL OF MATERIAL  TRANSPORTED TON LENGTH DEMARKS CHARE WETCH								BILL OF MATERIAL							
SHIP									PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M245		ONE	STRUT				1152									
	M245	1	12GAx15/8x15/8	15-0 <sup>5</sup> ⁄16			1152									

		FOR	FOR FABRICATION							
	SHOP NOTES:									
REF. DWG/SPEC :										
DEG REF. SPEC. / DV	'G :									
$\triangle$										
For Fabrication					ALN	07-21				
♠ For Re-Appro	ral				ALN	07-13				
A For Approval					ALN	07-06				
REV.	DESCRIPTION				BY	DAT	ΓE			
IOLES U.N. 134.00	PAINTUN. NO DAINT WELDS:		la	EANING:						
HOLES U.N. 13/16Ø	PAINT U.N. NO PAINT WELDS:	E70XX		EANING.						
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRA	DE	DR. BY:	PKM	CHK	(. BY:	ALN			
LOCATION:	ALASKA		SCALE:	N.A.						
CONTRACTOR:			DATE: (	)5-26-22						
CONTRACTOR:	ALASKA ENERGY AUTHORITY		JOB NUM	BER S	SHEET N	10.	REV			
DESCRIPTION:	MISC. DETAIL		460		M245	_	$\wedge$			

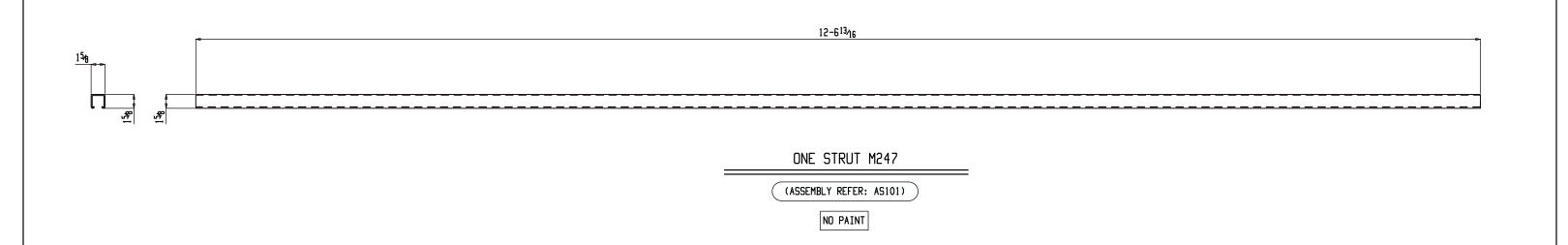


(ASSEMBLY REFER: AS101)

NO PAINT

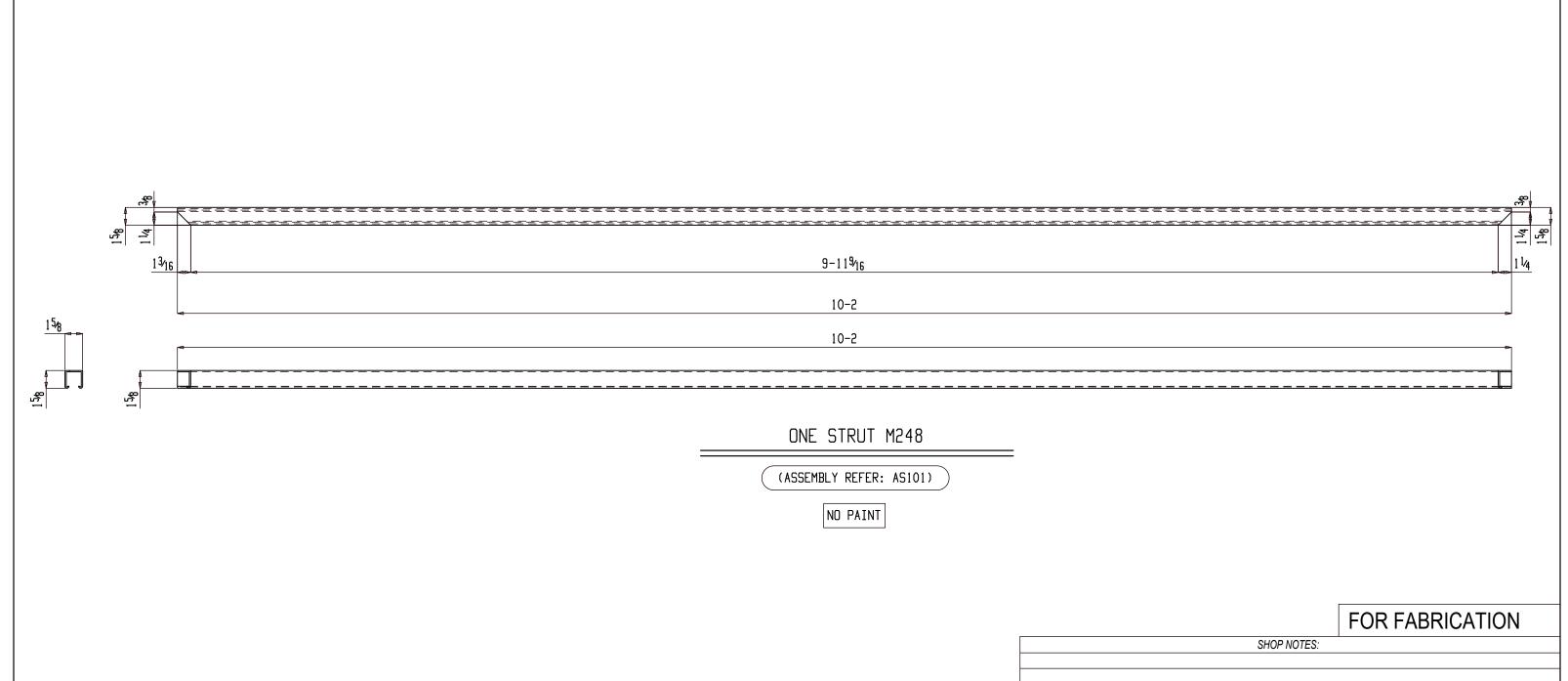
			BILL OF N	<b>1ΑΤΕ</b> Ι	RIAL					-	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M246		ONE	STRUT				40								
	M246	1	12GAx15/8x15/8	2-95/8			40								

	FOR F	FABRICATION						
SHOP NOTES:								
REF. DWG/SPEC :								
DEG REF. SPEC. / DWG :								
For Fabrication			ALN	07-21-22				
B For Re-Approval			ALN	07-13-22				
A For Approval			ALN	07-06-22				
REV. DESCRIPTION			BY	DATE				
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS:	E70XX	CLEANING	i:					
JOB NAME: NAPASKIAK POWER SYSTEM UPGRAI	)F	DR. BY: P	км снк	K. BY: ALN				
LOCATION: ALASKA		SCALE: N.A.						
		DATE: 05-26-	-22					
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	IO. REV					
DESCRIPTION: MISC. DETAIL		460	M246	3 🙆				



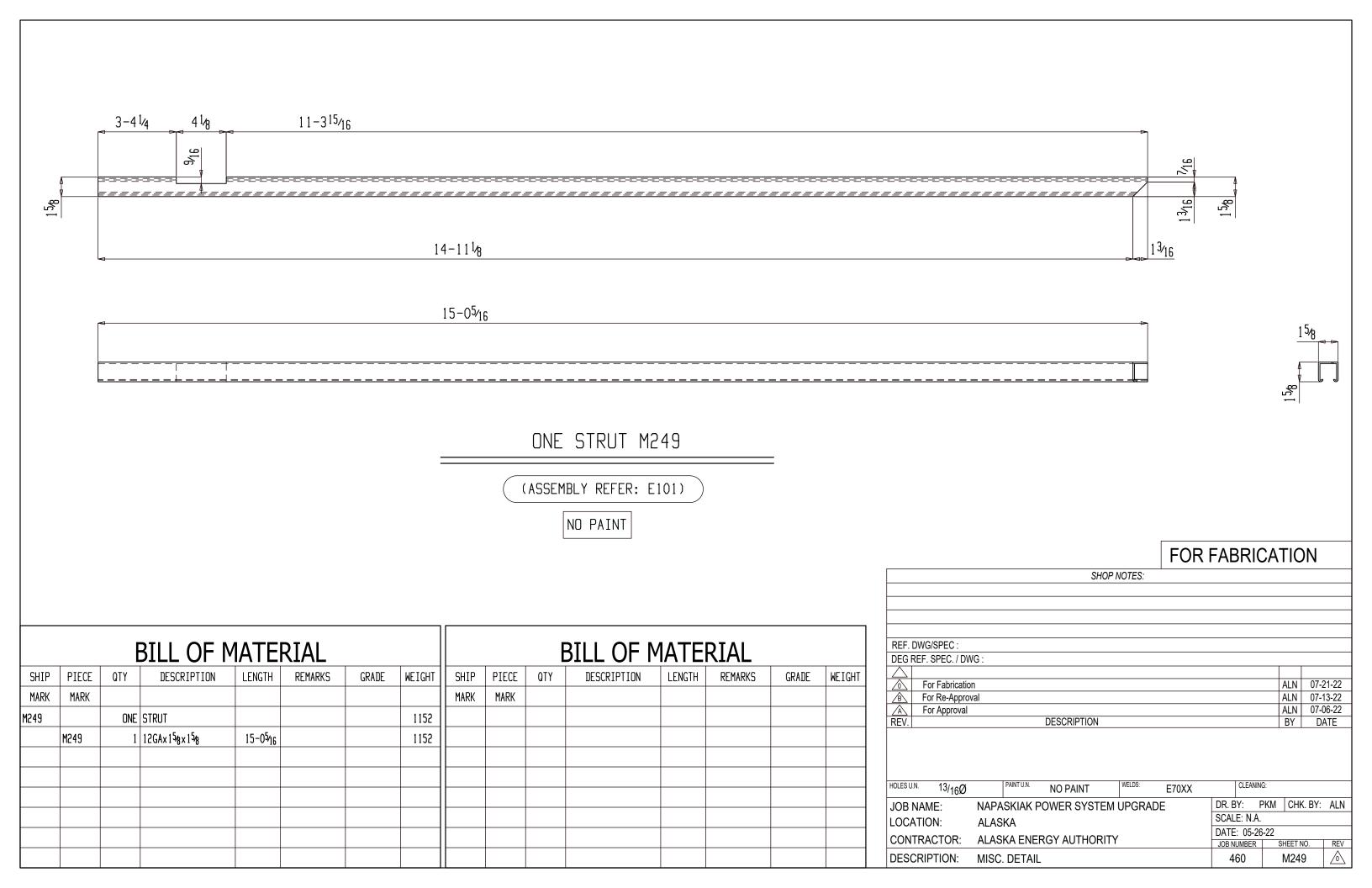
	BILL OF MATERIAL														
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M247		ONE	STRUT				806								
	M247	1	12GAx15/8x15/8	12-613/16			806								

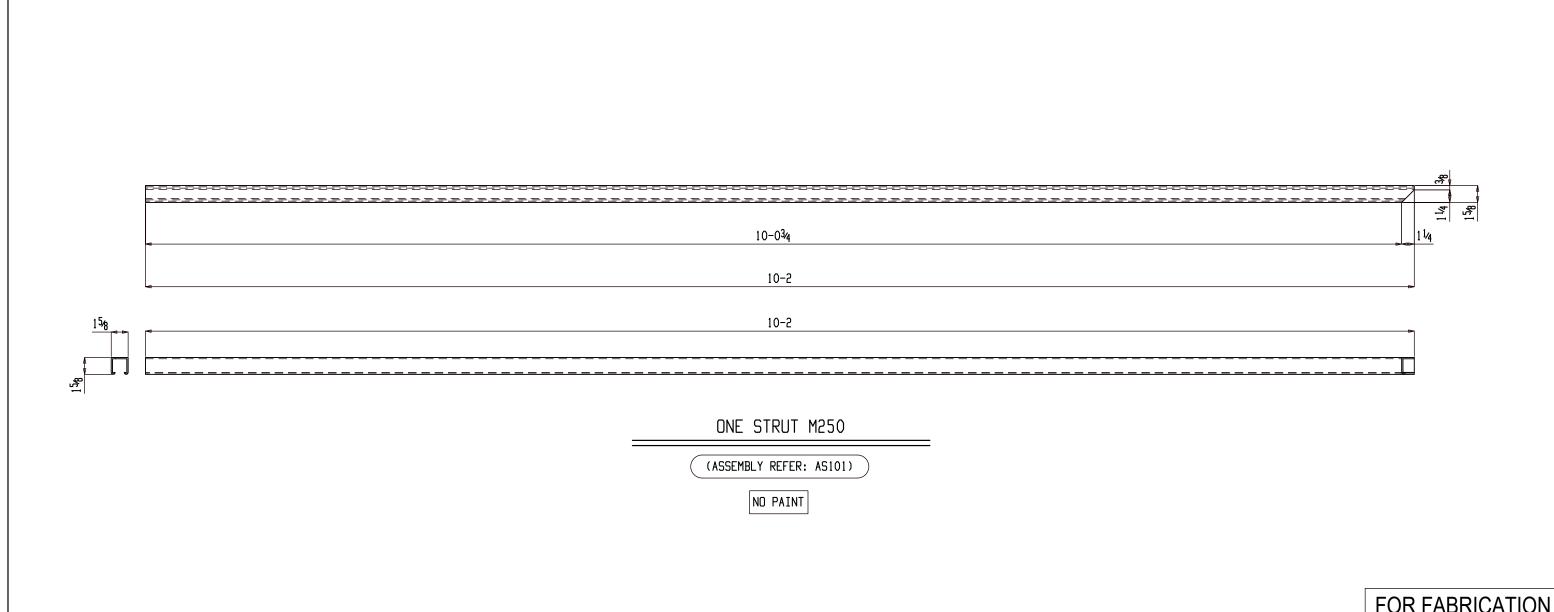
			FOR	FAE	3RI	CA	ΓΙΟ	Ν		
	SHOP I	NOTES:								
DEE DWG/DEG										
DEG REF. SPEC. / DWG :										
6 For Fabrication							ALN	07-2	21-22	
							ALN		13-22	
							ALN		06-22	
REV.	DESCRIPTION						BY	DA	ATE	
LIQUEO LIA	THM	I wri pe.			CLEAN	NO.				
HOLES U.N. 13/ <sub>16</sub> Ø PAINT	NO PAINT	WELDS.	E70XX		CLEAN	NG:				
JOB NAME: NAPASKI	AK POWER SYSTEM	UPGRADI	Ē	DR. E	3Y:	PKM	CHK	. BY:	ALN	
LOCATION: ALASKA				SCAL	_E: N. <i>F</i>	١.				
CONTRACTOR: ALASKA	SU.N. 13/16Ø PAINTU.N. NO PAINT WELDS:  B NAME: NAPASKIAK POWER SYSTEM UPGRADE					DATE: 05-26-22				
					NUMBER		HEET N		REV	
DESCRIPTION: MISC. DE	TAIL			4	60		M247	′	<u> </u>	



	BILL OF MATERIAL							BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	
MARK	MARK							MARK	MARK							
M248		ONE	STRUT				528			·						
	M248	1	12GAx15/8×15/8	10-2			528									

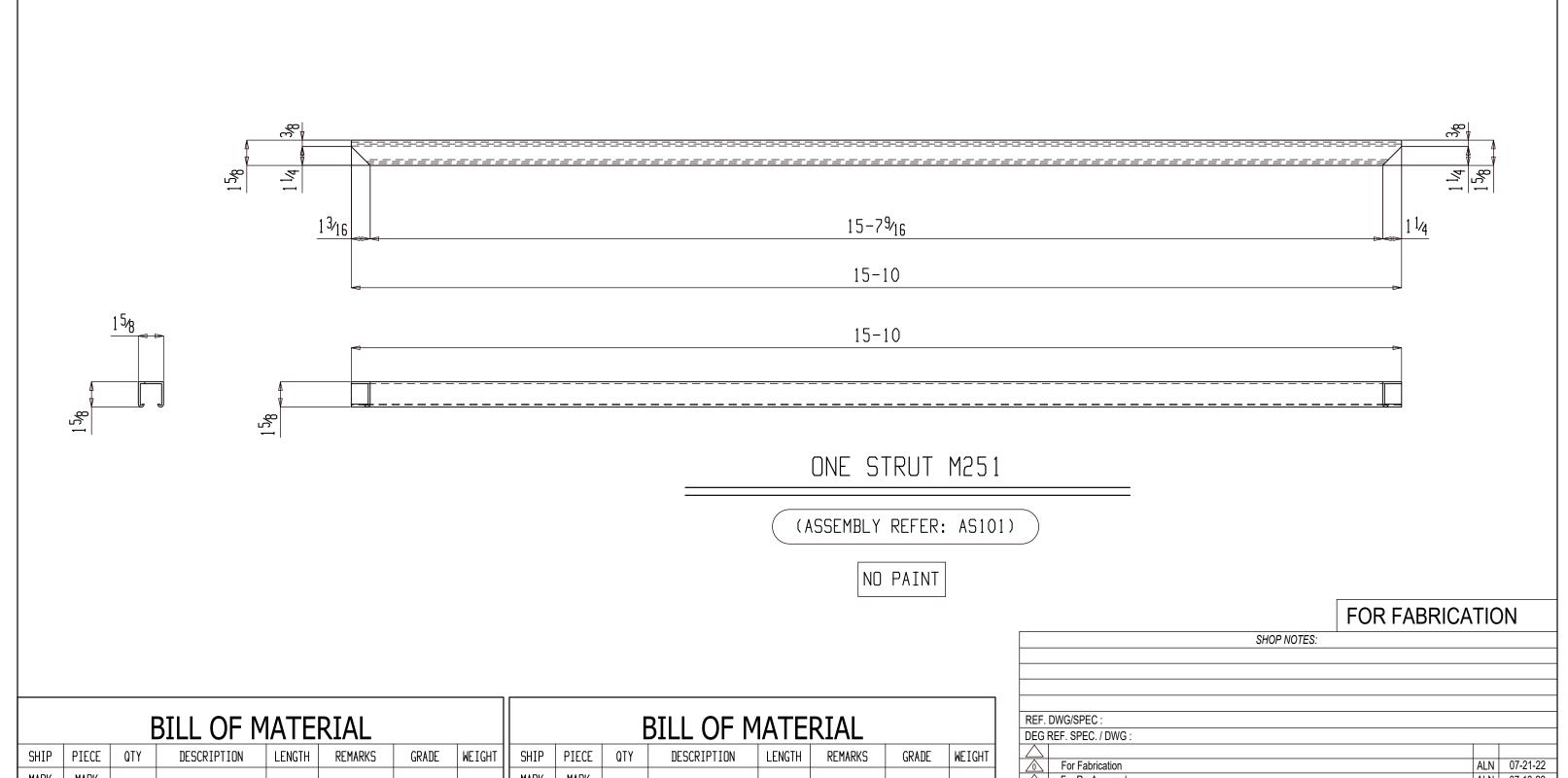
		FUR	REABRICATION							
		SHOP	NOTES:							
REF. DWG/SPEC :										
DEG REF. SPEC. / DV	VG :									
for Fabrication	<u></u>						ALN	07.2	21-22	
For Re-Appro							ALN		3-22	
A For Approval							ALN		6-22	
REV.		DESCRIPTION					BY	DA	<b>ΥΤΕ</b>	
HOLES U.N. 13/16Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	(	CLEANING:				
JOB NAME:	NAPASKIAK F	OWER SYSTEM	UPGRAD	Ε	DR. BY		Л CH	K. BY:	ALN	
_OCATION:	ALASKA				SCALE					
CONTRACTOR:	ALASKA ENE	RGY AUTHORITY	,			05-26-22	SHEET N	IO 1	REV	
DESCRIPTION:	MISC. DETAIL				JOB NUI		M248		/ KEV	
		-			1 .0			_		





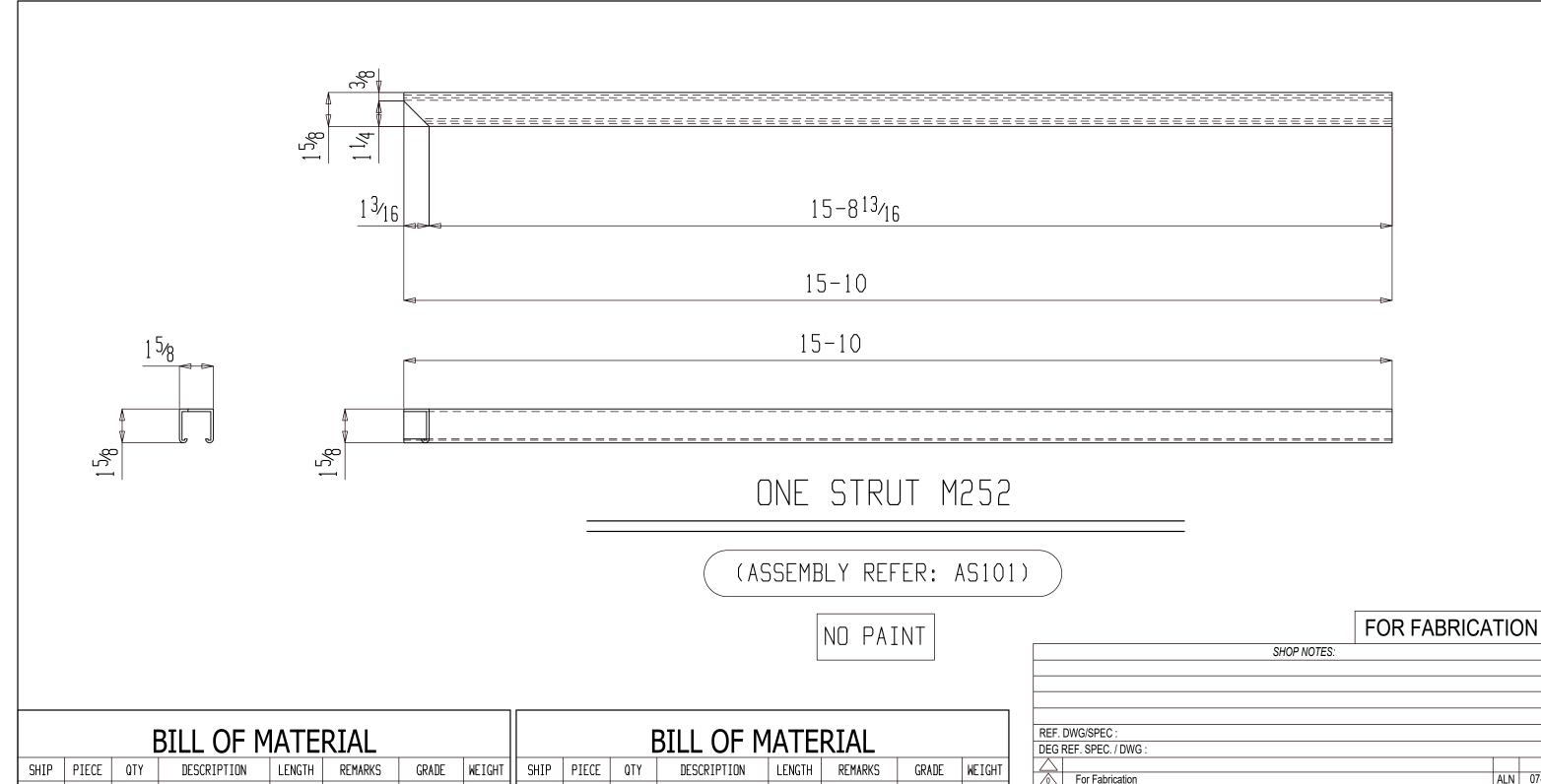
		E	BILL OF N	<b>ЧАТЕ</b> І	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M250		ONE	STRUT				528								
	M250	1	12GAx1 <sup>5</sup> /8×1 <sup>5</sup> /8	10-2			528								

			I OIN	LADKIC	AIIC	/IN
		SHOP N	NOTES:			
REF. DWG/SPEC :						
DEG REF. SPEC. / DV	WG:					
For Fabrication					ALN	07-21-22
For Re-Appro					ALN	07-13-22
For Approval REV.		DESCRIPTION			ALN BY	07-06-22 DATE
\L V.		DECORU TION			וטו	DAIL
HOLES U.N. 13/16Ø	Pı	AINT U.N. NO PAINT	WELDS: E70XX	CLEANING	<b>3</b> :	
		WIAL DOWED OVETEN	UDCDADE	DR. BY: F	KM CHK	(. BY: ALN
JOB NAME:	NAPAS	KIAK POWER SYSTEM	UPGRADE	DIX. DI.		LDI. ALI
	NAPAS ALASK		UPGRADE	SCALE: N.A.		A.DI. ALI
LOCATION:	ALASK	'A		SCALE: N.A. DATE: 05-26	-22	
JOB NAME: LOCATION: CONTRACTOR: DESCRIPTION:	ALASK	A A ENERGY AUTHORITY		SCALE: N.A.	I	IO. REV



		-	BILL OF N	1ATE	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M251		ONE	STRUT				1280								
	M251	1	12GA×15/8×15/8	15-10			1280								

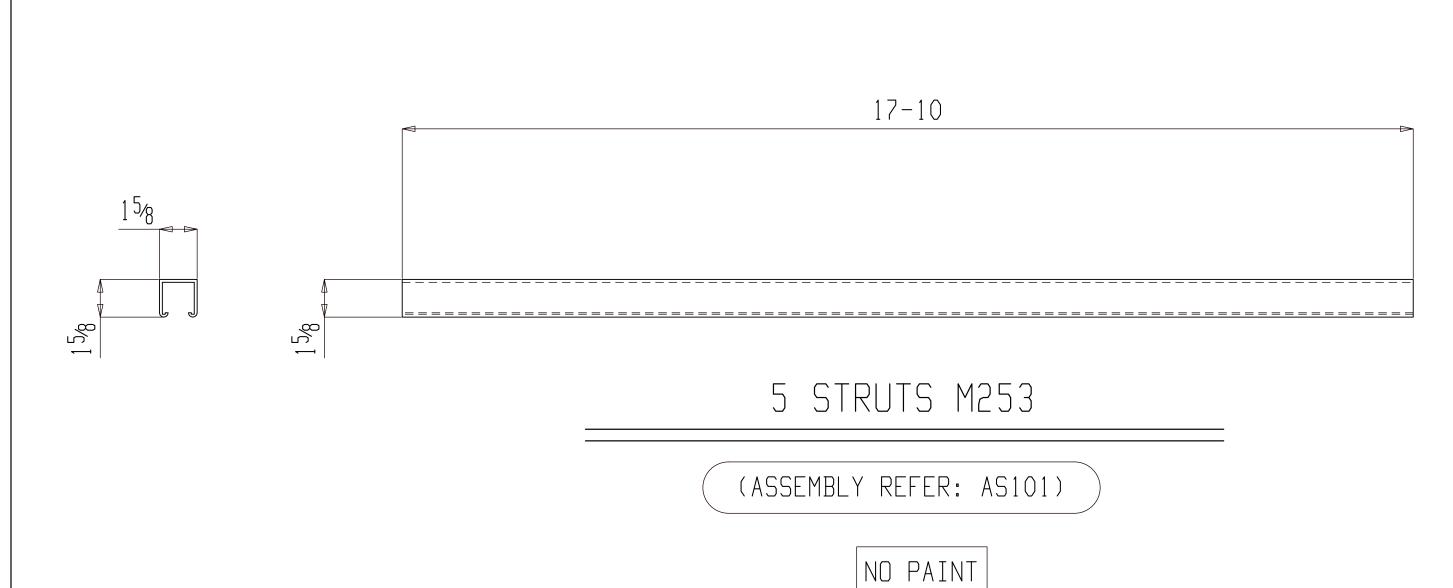
				3000	NOTES:							
REF. [	DWG/SPEC :											
DEG F	REF. SPEC. / DW	/G :										
$\triangle$												
	For Fabrication									LN	07-2	
B	For Re-Approv	/al								LN	07-1	
A	For Approval			DECORIDEION						LN	07-0	-
REV.				DESCRIPTION					1 6	3Y	DA	\TE
												<u></u>
									•	'		
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			DANTUA		LWELDO				,			
HOLES U.	.n. 13/ <sub>16</sub> Ø		PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANING	<del>,</del>			
	. <sup>N.</sup> 13/ <sub>16</sub> Ø NAME:			NO PAINT			DR. E			CHK	(. BY:	
JOB I	NAME:	NAPA	SKIAK F							СНК	(. BY:	
JOB 1	NAME: ATION:	NAPA: ALASI	SKIAK F KA	POWER SYSTEM	 UPGRAD		SCAL	BY: P	KM	СНК	(. BY:	
LOCA	NAME:	NAPA: ALASI	SKIAK F KA		 UPGRAD		SCAL	BY: P E: N.A.	-22	CHK EET N		



			BILL OF M	1ATE	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M252		ONE	STRUT				1280								
	M252	1	12GAx15/8x15/8	15-10			1280								

	SHOP NOTES:			
REF.	DWG/SPEC:			
	REF. SPEC. / DWG:			
$\triangle$				
$\bigcirc$	For Fabrication	AL	N	07-21-22
B	For Re-Approval	AL	N	07-13-22
A	For Approval	AL	N	07-06-22
REV.	DESCRIPTION	BY	7	DATE

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	NG:		
JOB NAM	IE:	NAPASKIAK P	OWER SYSTEM	UPGRADI	E	DR. BY:	PKM	CHK. BY:	ALN
LOCATIO	N:	ALASKA				SCALE: N.A	١.		
CONTRA	CTOP:	ALASKA ENE	RGY AUTHORITY	,		DATE: 05-2			
CONTINA	CTOIX.	ALAONA LINLI	NOT AUTHORITI			JOB NUMBER	S	HEET NO.	REV
DESCRIP	TION:	MISC. DETAIL				460		M252	$\triangle$



		E	BILL OF N	<b>ЧАТЕ</b> І	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M253		5	STRUT				8116								
	M253	5	12GAx15/8x15/8	17-10			8116								

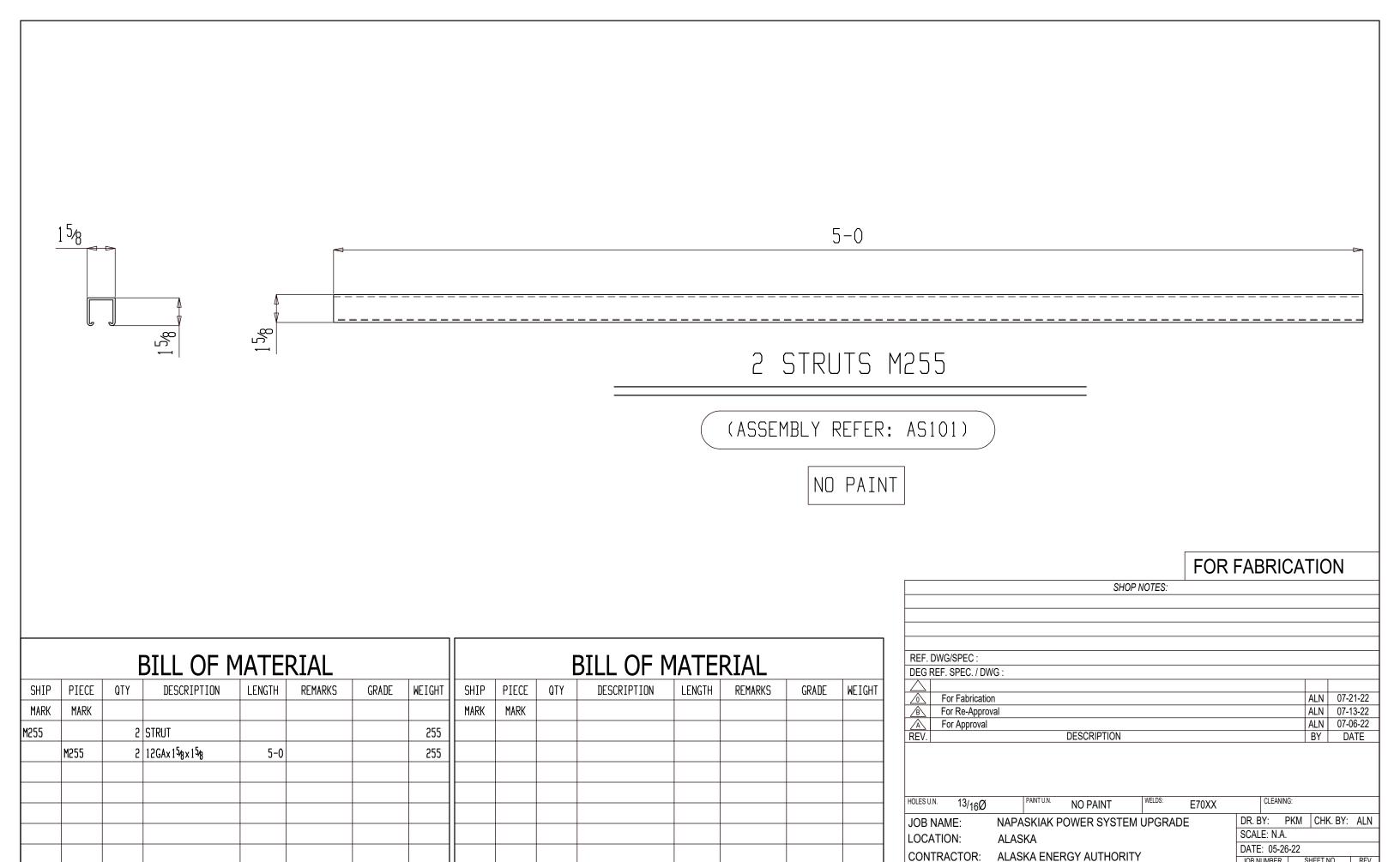
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SHOP NOTES:	1 0 1 1 1				
SHOT NOTES.					
REF. DWG/SPEC:					
DEG REF. SPEC. / DWG :					
A For Fohrication			ALN	07-21-2	22
For Fabrication For Re-Approval			ALN	07-21-2	
A For Approval			ALN	07-06-2	
REV. DESCRIPTION			BY	DATE	=
HOLES U.N. 13/ <sub>16</sub> Ø PAINT U.N. NO PAINT WELDS:	E70XX	CLEANIN	G:		
JOB NAME: NAPASKIAK POWER SYSTEM UPGRA	DE	DR. BY:	PKM CHK	C. BY: A	LN
LOCATION: ALASKA		SCALE: N.A.			
CONTRACTOR: ALASKA ENERGY AUTHORITY		DATE: 05-26			
		JOB NUMBER	SHEET N		REV ^
DESCRIPTION: MISC. DETAIL		460	M25	3 \ \ \ \	<u> </u>

	15-0
158	
<u> </u>	
	5 STRUTS M254
	(ASSEMBLY REFER: AS101)

NO PAINT

		F	BILL OF N	1ATE	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M254		5	STRUT				5742								
	M254	5	12GAx15/8x15/8	15-0			5742								

					FOR	FAE	BRIC	CAT	ΓΙΟ	N	
			SHOP N	IOTES:							
	DWG/SPEC :										
DEGF	REF. SPEC. / DW	G:									
	For Fabrication								AI N	07.2	1-22
B	For Re-Approv	•							ALN		3-22
Â	For Approval	ш							ALN	• • •	6-22
REV.			DESCRIPTION						BY		\TE
HOLES U.	<sup>N.</sup> 13/ <sub>16</sub> Ø		PAINT U.N. NO PAINT	WELDS:	E70XX		CLEANIN	IG:			
JOB I	NAME:	NAPA	SKIAK POWER SYSTEM	JPGRADI		DR. E	3Y: I	PKM	CHK	. BY:	ALN
	TION:	ALAS				SCAL	E: N.A.				
	TRACTOR:		KA ENERGY AUTHORITY			DATE	: 05-26				
		ALAS	NA ENERGY AUTHORITY			JOB N	IUMBER	Sł	HEET NO	0.	REV
DESC	CRIPTION:	MISC.	DETAIL			4	60		M254	.	0

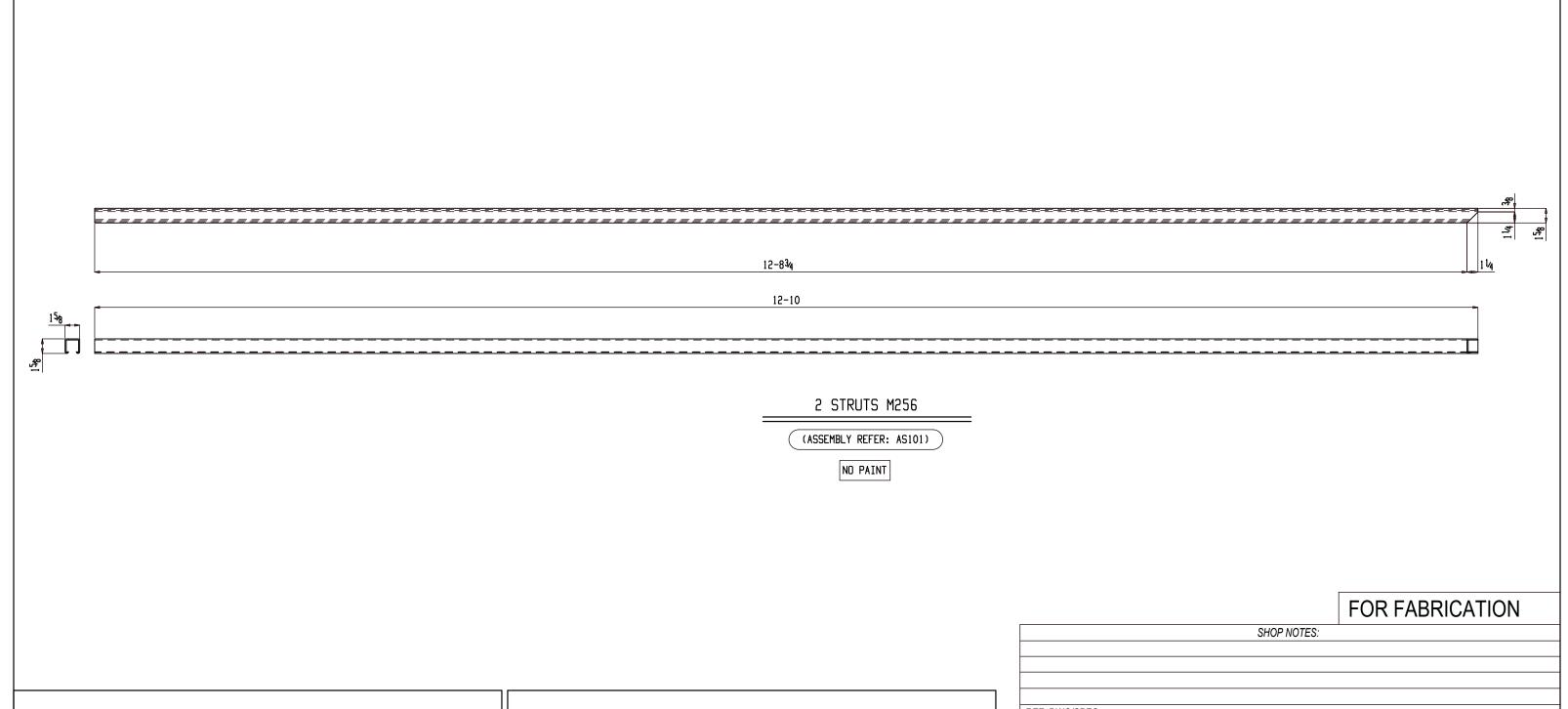


DESCRIPTION:

MISC. DETAIL

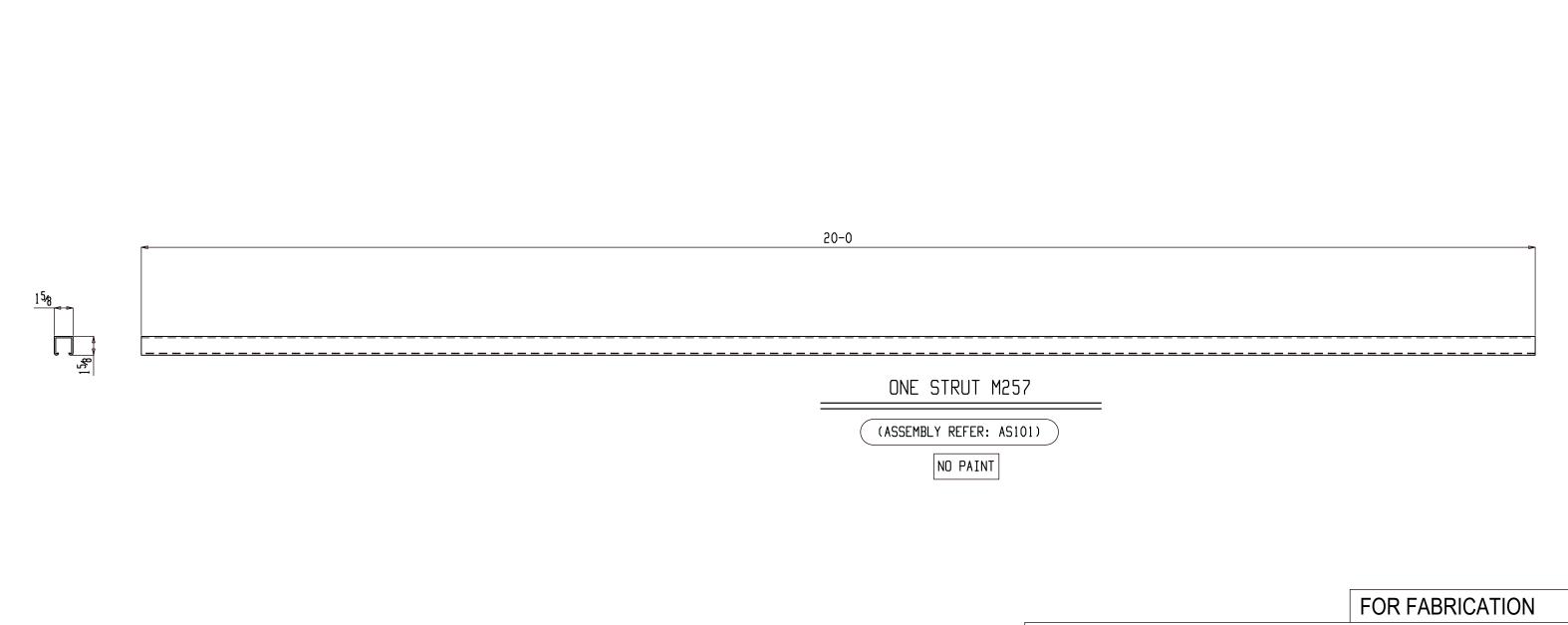
M255

460



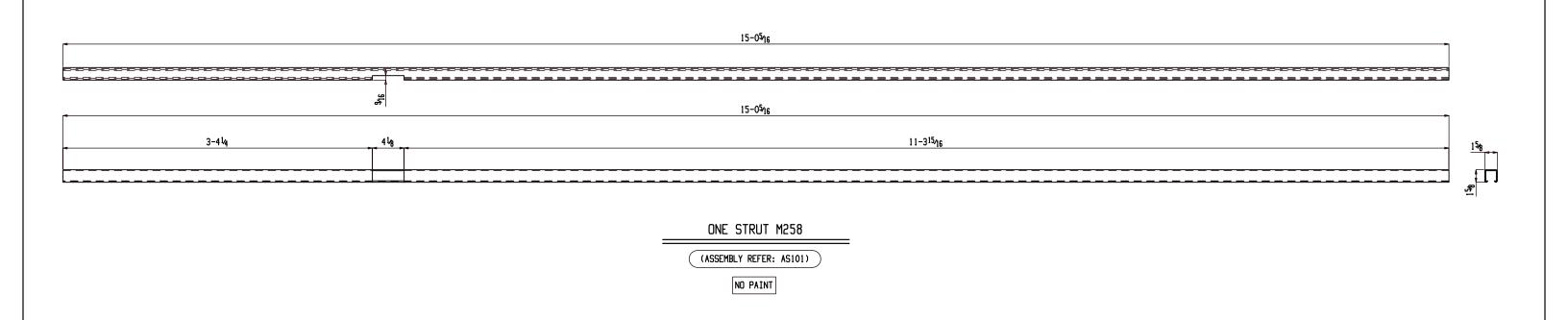
		E	BILL OF M	1ATE	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M256		5	STRUT				1681								
	M256	2	12GAx15/8x15/8	12-10			1681								

		1 01(17(D)	1107 1110	<b>/ 1 1</b>
	SHOP NOTES:			
REF. DWG/SPEC :				
DEG REF. SPEC. / D\	VG:			
For Fabrication	n e		ALN	07-21-22
For Fabrication For Re-Appro			ALN	07-21-22
A For Approval	vui		ALN	07-06-22
REV.	DESCRIPTION		BY	DATE
101.50.1111	I DAINTHAIL I MICIDO.	Lau	FANINO	
OLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS:	E70XX	EANING:	
IOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHI	K. BY: ALN
	A L A OLCA	SCALE:	N.A.	
_OCATION:	ALASKA			
	ALASKA		05-26-22	
LOCATION:  CONTRACTOR:  DESCRIPTION:	ALASKA ENERGY AUTHORITY	DATE: ( JOB NUM		NO. REV



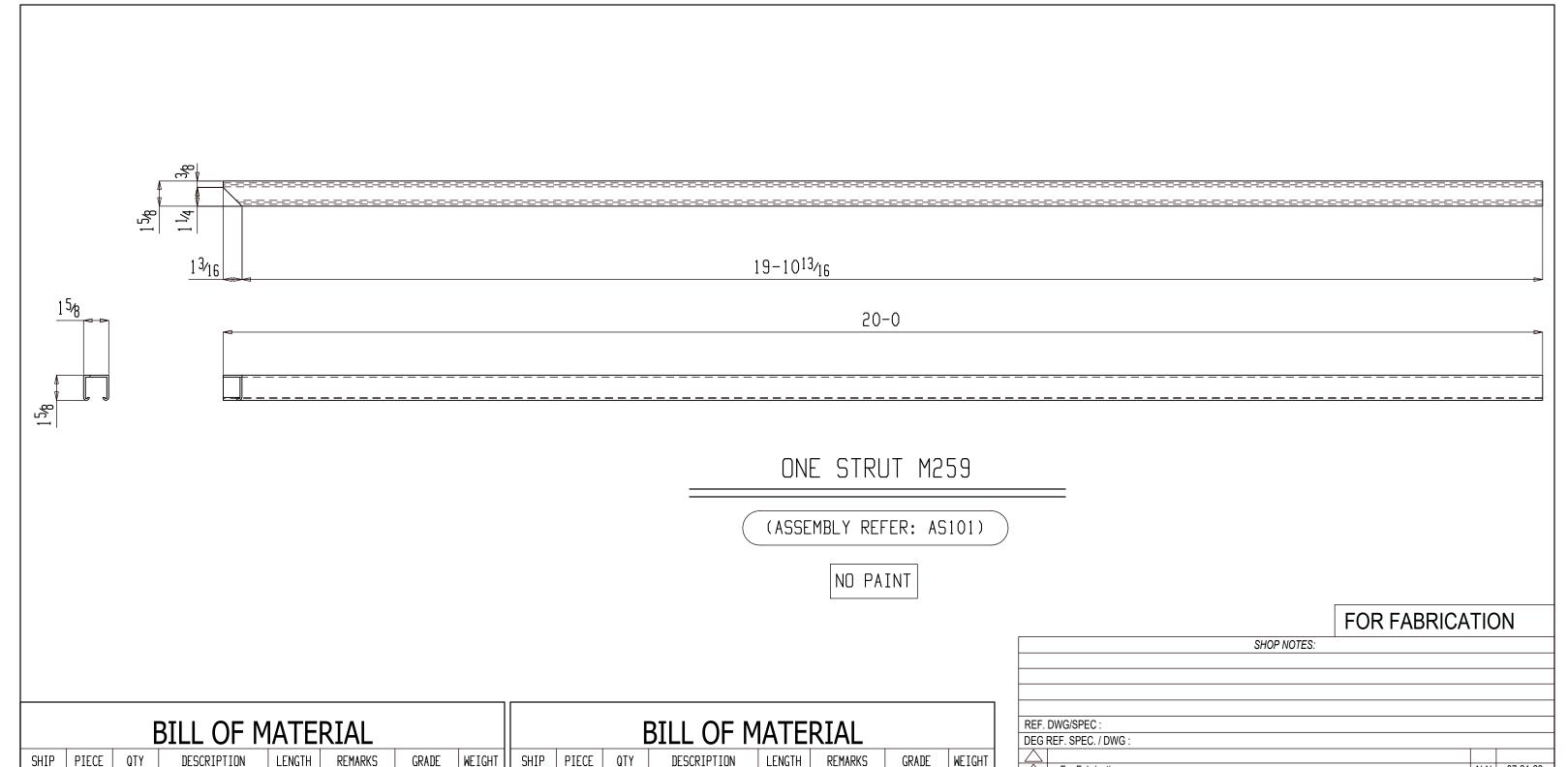
	RK MARK ONE STRUT									F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M257		ONE	STRUT				2042								
	M257	1	12GAx15/8x15/8	20-0			2042								

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	SHOP I	NOTES:			
REF. DWG/SPEC :					
DEG REF. SPEC. / D	WG:				
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For Fabrication				ALN	07-21-22
For Re-Appro				ALN	07-13-22
For Approva				ALN	07-06-22
REV.	DESCRIPTION			BY	DATE
DLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANING	G:	
19/160	PAINT U.N. NO PAINT  NAPASKIAK POWER SYSTEM	E/UXX			. BY: ALI
OB NAME:	NAPASKIAK POWER SYSTEM	E/UXX		PKM CHK.	. BY: ALI
OB NAME: OCATION:	NAPASKIAK POWER SYSTEM ALASKA	UPGRADE	DR. BY: F	PKM CHK.	.BY: ALI
OLES U.N. 13/ <sub>16</sub> Ø IOB NAME: .OCATION: CONTRACTOR:	NAPASKIAK POWER SYSTEM ALASKA	UPGRADE	DR. BY: F	PKM CHK.	. BY: ALI



							<del></del>								
		F	BILL OF N	<b>ЧАТЕ</b>	RIAL					-	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M258		ONE	STRUT				1152								
	M258	1	12GAx15/8x15/8	15-0 <sup>5</sup> ⁄16			1152								
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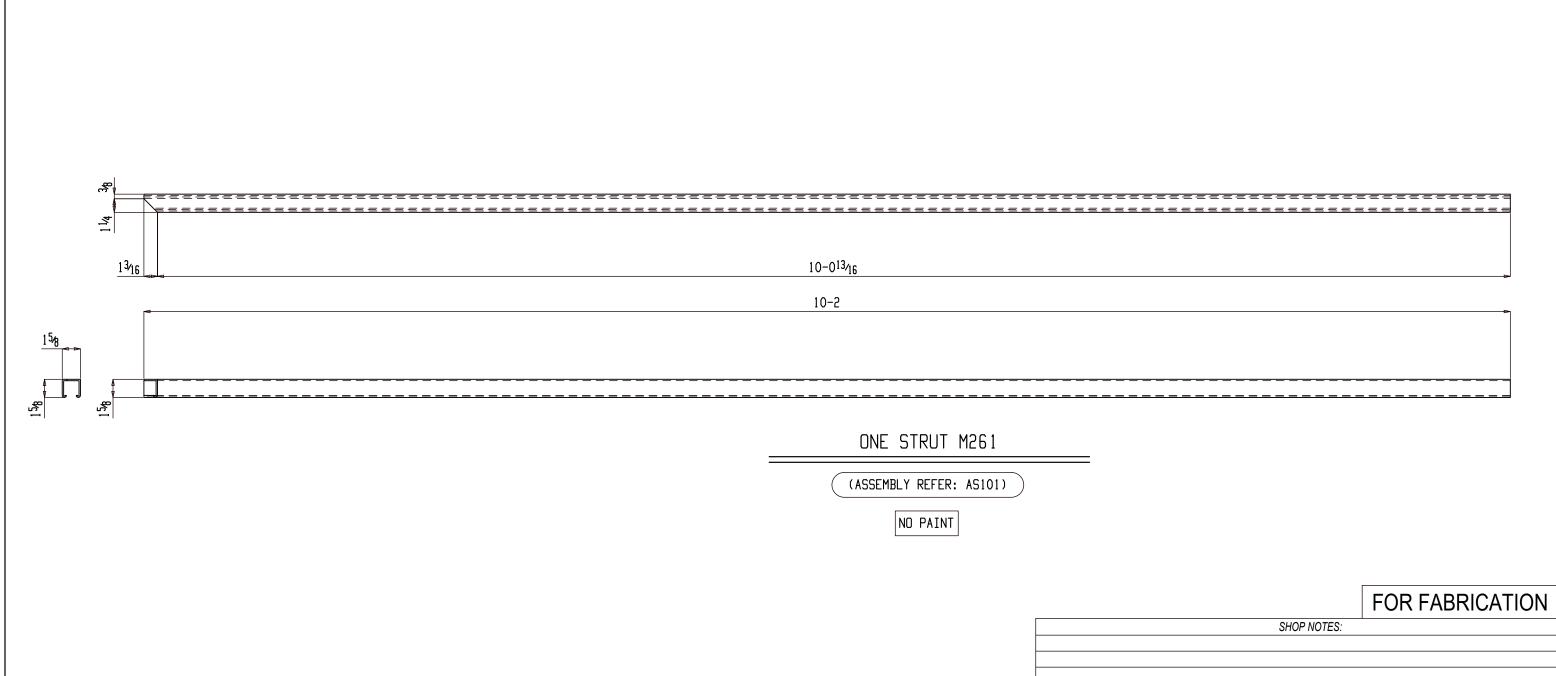
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	SHOP NOTES:				
REF. DWG/SPEC :					
DEG REF. SPEC. / DI	VG:				
For Fabrication	••			ALN	07-21-22
For Re-Appro	val			ALN	07-13-22 07-06-22
A For Approval REV.	DESCRIPTION			ALN BY	DATE
<u>\Lv. </u>	BEOOK!! HOW				DATE
IOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N. NO PAINT WELDS:	E70XX	CLEANING	6:	
JOB NAME:	NAPASKIAK POWER SYSTEM UPGR	ADE DE	R. BY: P	KM CHK	. BY: ALN
_	AI ASKA	SC	CALE: N.A.		
OCATION:			TE 05.00	22	
	, 12, 13, 13, 1	D <i>i</i>	ATE: 05-26-	-22	
LOCATION: CONTRACTOR:	ALASKA ENERGY AUTHORITY		NUMBER	-ZZ SHEET N	O. REV



			BILL OF N	ИАТЕ	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M259		ONE	STRUT				2042								
	M259	1	12GAx15/8x15/8	20-0			2042								

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  DR. BY: PKM CHK. BY: ALM SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REV.			31101	NOTES.							
DEG REF. SPEC. / DWG:    Tor Fabrication											
DEG REF. SPEC. / DWG:    Tor Fabrication											
DEG REF. SPEC. / DWG:    Tor Fabrication											
DEG REF. SPEC. / DWG:    Tor Fabrication											
For Fabrication  BY DATE  HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  ALN 07-21-22  ALN 07-13-22  ALN 07-06-22  E70XX  CLEANING:  DATE  DR. BY: PKM CHK. BY: ALI  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. REV.	REF. DWG/SPEC :										
For Re-Approval  ALN 07-13-22  A For Approval  REV. DESCRIPTION  BY DATE  HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE  LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  ALN 07-13-22  BY DATE  CLEANING:  CLEANING:  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	DEG REF. SPEC. / D	WG:									
For Re-Approval  ALN 07-13-22  A For Approval  REV. DESCRIPTION  BY DATE  HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE  LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  ALN 07-13-22  BY DATE  CLEANING:  CLEANING:  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	$\triangle$										
For Approval   REV.   DESCRIPTION   BY   DATE									ALN	07-2	<u>'</u> 1-22
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY  DESCRIPTION  WELDS: E70XX  CLEANING:  DR. BY: PKM CHK. BY: ALI  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	<u>∕</u> B For Re-Appr	oval							ALN	07-1	3-22
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLEANING:  JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: PKM CHK. BY: ALI SCALE: N.A.  LOCATION: ALASKA  CONTRACTOR: ALASKA ENERGY AUTHORITY DATE: 05-26-22  JOB NUMBER SHEET NO. RE		ıl									
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  NO PAINT E70XX  DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. RE	REV.		DESCRIPTION						BY	D/	<b>₹TE</b>
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REI											
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  NO PAINT E70XX  DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. RE											
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  NO PAINT E70XX  DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. RE											
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA CONTRACTOR: ALASKA ENERGY AUTHORITY  DR. BY: PKM CHK. BY: ALI SCALE: N.A. DATE: 05-26-22 JOB NUMBER SHEET NO. REI											
LOCATION: ALASKA SCALE: N.A.  CONTRACTOR: ALASKA ENERGY AUTHORITY  SCALE: N.A.  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	HOLES U.N. 13/16@	PAINT U.N.	NO PAINT	WELDS:	E70XX		CLEANIN	G:			
CONTRACTOR: ALASKA ENERGY AUTHORITY  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	JOB NAME:	NAPASKIAK	POWER SYSTEM	UPGRAD	E	DR. E	3Y: F	PKM	CHK	. BY:	ALI
CONTRACTOR: ALASKA ENERGY AUTHORITY  DATE: 05-26-22  JOB NUMBER SHEET NO. RE	I OCATION:	ΔΙ ΔΩΚΔ		SCAL	E: N.A.						
JOB NOMBER OFFICE NO. 12			======================================	,		DATE	: 05-26	3-22			
DESCRIPTION: MISC. DETAIL 460 M259	CONTRACTOR:	ALASKA EN	ERGY AUTHORIT	Y		JOB N	NUMBER	SI	HEET N	0.	RE
	DESCRIPTION:	MISC. DETA	JL			4	60		M259	<b>)</b>	<i>∕</i> ₀

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						<b>~</b>	¬ <del>-</del>		<b>7 6 6</b>				
							STRUT	5 M	<u> </u>				
					( A C	SSEM	1BLY REF	ER:	AS101	)			
							NO PA	INT					
												FOR FABRIC	ATION
												SHOL NOTES.	
	BILL OF M	IATERIAL					BILL OF	MATE	RIAL			REF. DWG/SPEC : DEG REF. SPEC. / DWG :	
SHIP PIECE MARK MARK	QTY DESCRIPTION	LENGTH REMARKS	GRADE WEIGH	T SHIP MARK	PIECE MARK	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	For Fabrication For Re-Approval	ALN 07-21-22 ALN 07-13-22
M260	2 STRUT		192	$\dashv$								For Approval  REV. DESCRIPTION	ALN 07-21-22 ALN 07-13-22 ALN 07-06-22 BY DATE
M260	2 12GA×15/8×15/8	4-4	192										
												HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: F70XX CLEANING	
												JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY: P	KM CHK. BY: ALN
				$\parallel$								LOCATION: ALASKA SCALE: N.A.  CONTRACTOR: ALASKA ENERGY AUTHORITY  SCALE: N.A.  DATE: 05-26- JOB NUMBER	
												DESCRIPTION: MISC. DETAIL 460	M260 <u>6</u>

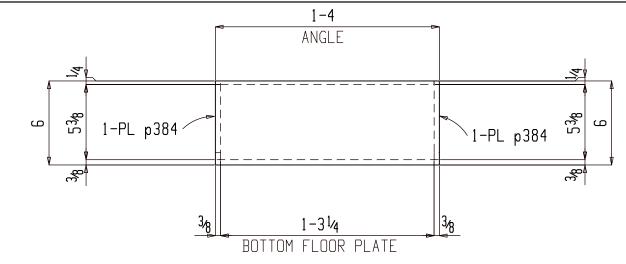


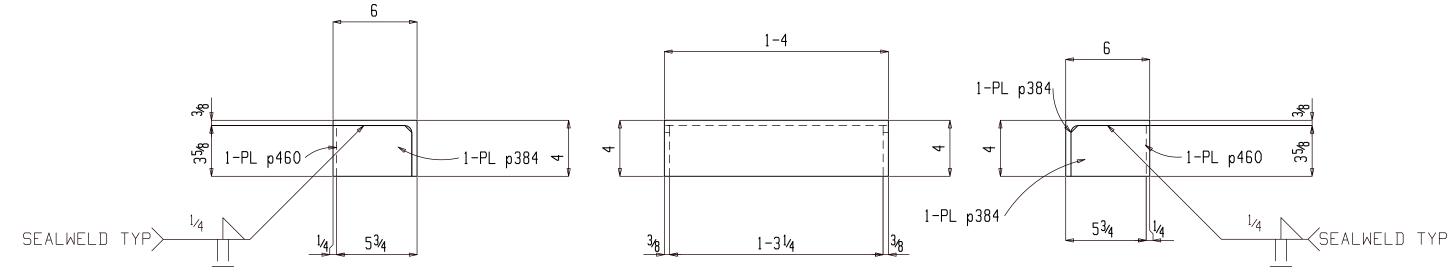
		E	BILL OF N	ИАТЕ	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M261		ONE	STRUT				528								
	M261	1	12GAx15/8x15/8	10-2			528								

		SHOP	NOTES:					
DEE DWO/CDEO								
REF. DWG/SPEC : DEG REF. SPEC. / DW	NC ·							
DEG NEI : SFEC. / DW	vG .							
For Fabricatio	n						ALN 07	'-21-2
For Re-Approv	val							'-13-2
For Approval		DECODIDATION						'-06-2
REV.		DESCRIPTION					BY	DATE
HOLES U.N. 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEAN	IING:		
JOB NAME:	NAPASKIAK F	POWER SYSTEM	UPGRADI	E	DR. BY:	PKM	CHK. BY	: AL
LOCATION:	ALASKA				SCALE: N.	Α.		
CONTRACTOR:	ALASKA ENE	RGY AUTHORITY	/		DATE: 05-		UEET NO	
		1.017.0111011111	ı		JOB NUMBER	≀  S	HEET NO.	
DESCRIPTION:	MISC. DETAIL				460		M261	RE

#### SHOP NOTE:

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





## 12 MISCS M262

(ASSEMBLY REFER: AS101)

NO PAINT

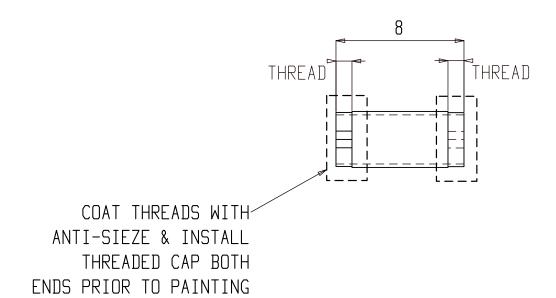
		F	BILL OF N	1AΤΕΙ	RIAL					F	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M262		12	MISC				296								
	M262	12	L6x4x <sup>3</sup> /8	1-4		A36	197								
	p384	24	PL3/8×35/8	55/8		A36	52								
	p460	12	PL1 <sub>4</sub> x35/8	1-31/4		A36	47								

## FOR FABRICATION

EF. I	DWG/SPEC:		
EG F	REF. SPEC. / DWG :		
$\sum$			
â\ Â\ EV.	For Fabrication	ALN	07-21-22
<u>B</u>	For Re-Approval	ALN	07-13-22
Â	For Approval	ALN	07-06-22
E۷.	DESCRIPTION	BY	DATE

SHOP NOTES:

						WELDS:						
HOL	ES U.N.	<sup>13</sup> / <sub>16</sub> Ø		PAINT U.N.	NO PAINT	E70XX		CLEANIN	G:			
JC	B NAN	E	DR. B	Y: F	PKM	CHK. BY:	ALN					
LC	CATIC	N:	ALAS	KA				SCAL	E: N.A.			
CC		CTOR:	۸۱۸۹	  /	RGY AUTHORITY	DATE	: 05-26	-22				
00	JIVITA	CION.	ALAS	NA CINCI	NOT AUTHORITI		JOB N	UMBER	SH	HEET NO.	REV	
DESCRIPTION: MISC. DETAIL								40	60	ı	M262	<u></u>



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

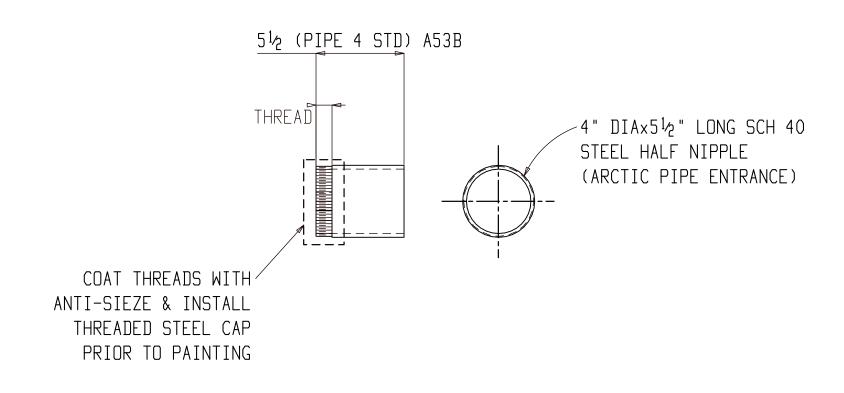
3 MISCS M263

(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	1ATE	RIAL					-	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M263		3	MISC				15								
	M263	3	PIPE 3 STD	8		A53B	15								

					FOR I	FABRIC	CATIO	N
			SHOP N	NOTES:				
	)WG/SPEC :							
DEG R	EF. SPEC. / DW	G:						
$\triangle$	F. F. L. C. W.						ALAL	07.04.00
<u> </u>	For Fabrication For Re-Approv						ALN ALN	07-21-22 07-13-22
A	For Approval	al					ALN	07-13-22
REV.	1 of Approval		DESCRIPTION				BY	DATE
							' '	
		L DANKELLAN		LWELDO		Loughann		
HOLES U.I	<sup>l.</sup> 13/ <sub>16</sub> Ø	PAINT U.N.	NO PAINT	WELDS:	E70XX	CLEANING	ات: ــــــــــــــــــــــــــــــــــــ	
JOB N	IAME:	NAPASKIAK P	OWER SYSTEM	UPGRADE			PKM CHK	BY: ALN
LOCA	TION:	ALASKA				SCALE: N.A.		
	RACTOR:		RGY AUTHORITY			DATE: 05-26		
			CT AUTHORITI			JOB NUMBER	SHEET N	
DESC	RIPTION:	MISC. DETAIL				460	M263	3 0



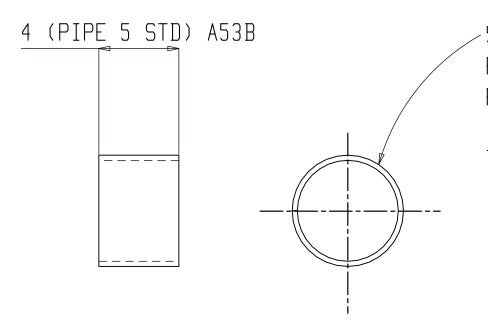
4 MISCS M264

(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF N	1ATEI	RIAL					[	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M264		4	MISC				20								
	M264	4	PIPE 4 STD	5 l <sub>2</sub>		A53B	20								

		SHOP I	NOTES:			
REF. DWG/SPEC :						
DEG REF. SPEC. / DV	VG :					
for Fabrication	n				ALN 07-	-21-22
For Re-Appro	val					-13-22
For Approval		DECODIDATION				-06-22
REV.		DESCRIPTION			BY C	DATE
HOLES U.N. 13/16Ø	F	PAINT U.N. NO PAINT	WELDS: E70XX	CLEANIN	G:	
JOB NAME:	NAPAS	SKIAK POWER SYSTEM	UPGRADE	DR. BY:	PKM CHK. BY:	ALN
LOCATION:	ALASK	<b>K</b> A		SCALE: N.A.		
CONTRACTOR:		(A ENERGY AUTHORITY	•	DATE: 05-26		
				JOB NUMBER	SHEET NO.	REV
DESCRIPTION:	MISC.	DETAIL		460	M264	



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

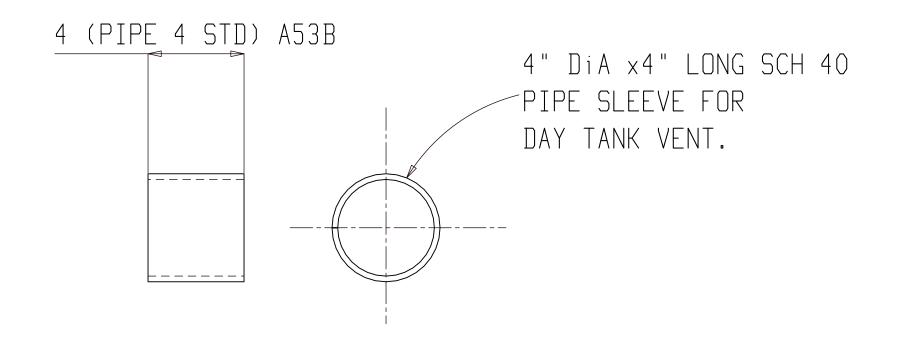
8 MISCS M265

(ASSEMBLY REFER: AS101)

NO PAINT

#### **BILL OF MATERIAL BILL OF MATERIAL** WEIGHT WEIGHT PIECE QTY DESCRIPTION LENGTH REMARKS GRADE QTY DESCRIPTION LENGTH REMARKS GRADE PIECE SHIP MARK MARK MARK MARK 8 MISC 39 8 PIPE 5 STD 39 M265 A53B

			SHOP I	NOTES:							
REF	DWG/SPEC :										
	REF. SPEC. / DW	/G :									
	For Fabrication								ALN		21-22
B	For Re-Approv	/al						/	ALN		3-22
A	For Approval								ALN		)6-22
REV.			DESCRIPTION						BY	D <i>P</i>	ATE
HOLES U	<sup>N.</sup> 13/ <sub>16</sub> Ø		PAINT U.N. NO PAINT	WELDS:	E70XX		CLEANIN	G:			
JOB	NAME:	NAPA	SKIAK POWER SYSTEM	UPGRAD	)E	DR. E	3Y: F	PKM	CHK	. BY:	ALN
	ATION:	ALAS	ΚΔ			SCALE: N.A.					
						DATE	E: 05-26	26-22			
CON	TRACTOR:	ALAS	KA ENERGY AUTHORITY			JOB N	IUMBER	SI	HEET N	0.	REV
DESC	CRIPTION:	MISC	. DETAIL			4	-60		M265	5	<b>1</b>



ONE MISC M266

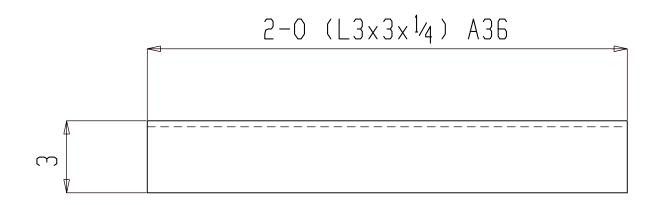
(ASSEMBLY REFER: AS101)

NO PAINT

			BILL OF M	1ATE	RIAL			BILL OF MATERIAL							
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M266		ONE	MISC				4								
	M266	1	PIPE 4 STD	4		A53B	4								
													·		

# FOR FABRICATION SHOP NOTES:

REF. DWG/SPEC:				
DEG REF. SPEC. / DWG :				
For Fabrication	ALN	07-21-22		
For Re-Approval	ALN	07-13-22		
A For Approval	ALN	07-06-22		
REV. DESCRIPTION	BY	DATE		
HOLES U.N. 13/16Ø PAINT U.N. NO PAINT WELDS: E70XX CLE.	ANING:			
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE DR. BY:	PKM CHŁ	K. BY: ALN		
	SCALE: N.A.			
CONTRACTOR: ALASKA ENERGY ALITHORITY DATE: 05				
JOB NUMBI				
DESCRIPTION: MISC. DETAIL 460	M26	6   🙆		



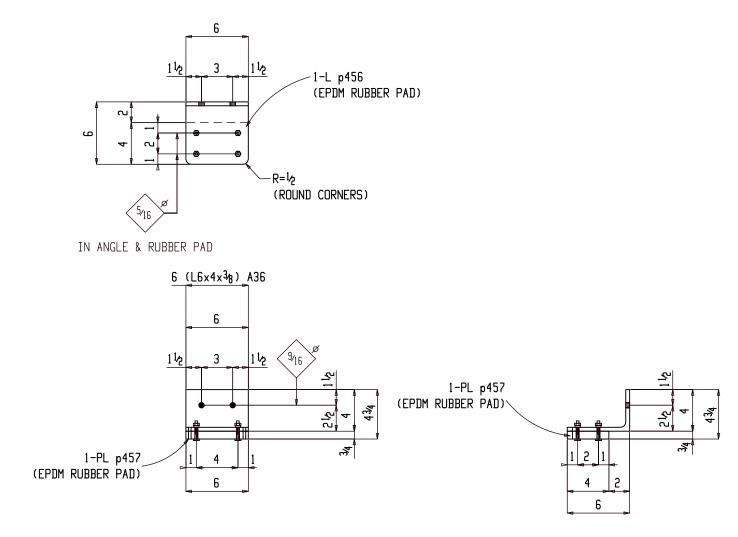
2 MISCS M267

(ASSEMBLY REFER: AS101)

NO PAINT

		E	BILL OF N	1ATE	RIAL						BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M267		2	MISC				20								
	M267	2	L3x3x <sup>1</sup> / <sub>4</sub>	2-0		A36	20								

#### FOR FABRICATION SHOP NOTES: REF. DWG/SPEC : DEG REF. SPEC. / DWG: B A REV. ALN 07-21-22 For Fabrication ALN 07-13-22 ALN 07-06-22 BY DATE For Re-Approval For Approval DESCRIPTION CLEANING: HOLES U.N. 13/<sub>16</sub>Ø NO PAINT E70XX DR. BY: PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: M267 MISC. DETAIL 460



#### 2 EXTERIOR DOOR BOTTOM STOPS M268

SHOP BOLTS:

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

(ASSEMBLY REFER: AS104)

GALVANIZED

		[	BILL OF N	/ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M268		2	EXTERIOR DOOR		(GALV)		23								
			BOTTOM STOP												
	M268	2	L6x4x <sup>3</sup> ⁄8	6		A36	12								
	p457	2	PL <sup>3</sup> / <sub>4×</sub> 4	6	(EPDM RUBBER		10								
					PAD)										
		8	1 <sub>4</sub> Dia CARRIAGE		(COUNTERSINK										
			BOLT		HEADS)			·		·					
					(GALV)										

# SHOP NOTES: REF. DWG/SPEC: DEG REF. SPEC. / DWG: ✓ ✓ Ø For Fabrication Ø For Re-Approval ALN 07-13-22 Ø For Approval REV. DESCRIPTION

E70XX

GALVANIZED

NAPASKIAK POWER SYSTEM UPGRADE

ALASKA ENERGY AUTHORITY

HOLES U.N.

JOB NAME:

LOCATION:

CONTRACTOR:

DESCRIPTION:

13/<sub>16</sub>Ø

ALASKA

MISC. DETAIL

FOR FABRICATION

CLEANING: SSPC-SP6

DR. BY: PKM CHK. BY: ALN

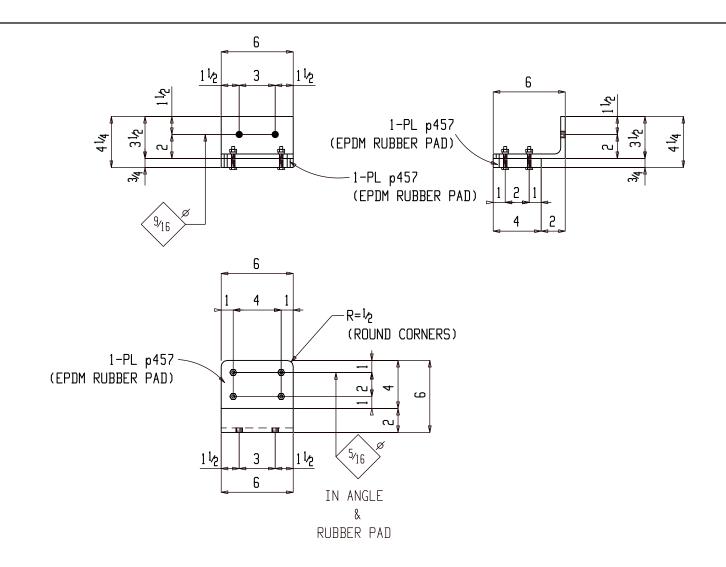
M268

JOB NUMBER SHEET NO.

SCALE: N.A.

460

DATE: 05-26-22



#### ONE EXTERIOR DOOR BOTTOM STOP M269

SHOP BOLTS:

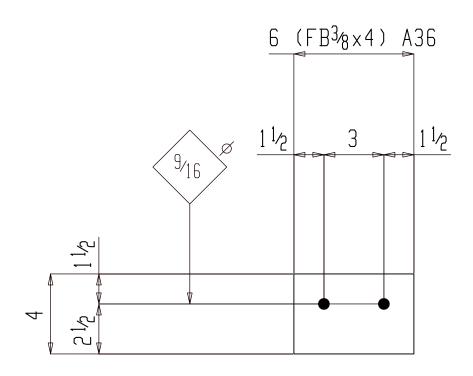
4-1/4 Dia CARRIAGE BOLT (GLAV)
COUNTERSINK HEADS.

(ASSEMBLY REFER: AS105)

GALVANIZED

			BILL OF M	1ATE	RIAL					E	BILL OF M	1ATE	RIAL		
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
M269		ONE	MISC		(GALV)		11								
	M269	1	L6x3 <sup>1</sup> /2x <sup>3</sup> /8	6		A36	6								
	p457	1	PL <sup>3</sup> / <sub>4×</sub> 4	6	(EPDM RUBBER		5								
					PAD)										
		4	1 <sub>4</sub> Dia CARRIAGE		(COUNTERSINK										
			BOLT		HEADS)										
		·			(GALV)										

SHOP NOTES:				
REF. DWG/SPEC :				
DEG REF. SPEC. / DWG :				
$\triangle$				
<u> For Fabrication</u>		ALN	07-21-22	
For Re-Approval		ALN	07-13-22	
REV. DESCRIPTION		ALN BY	07-06-22 DATE	
· · · · · · · · · · · · · · · · · · ·				
HOLES U.N. 134.60 PAINT U.N. CALVANIZED WELDS: EZOVV	CLEANING	3:		
GALVANIZED E70XX		5526-5		
JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE		KM CHK	BY: ALN	
LOCATION: ALASKA	SCALE: N.A.			
CONTRACTOR: ALASKA ENERGY AUTHORITY	DATE: 05-26		O. I REV	
DESCRIPTION: MISC. DETAIL	460			
DESCRIFTION. WISC. DETAIL	400	IVIZUE		



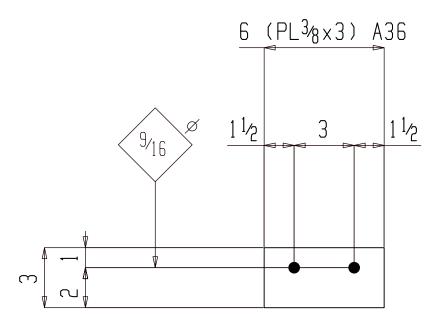
2 MISCS M270

(ASSEMBLY REFER: AS104)

GALVANIZED

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY DESCRIPTION LENGTH WEIGHT PIECE QTY WEIGHT REMARKS GRADE SHIP DESCRIPTION LENGTH REMARKS GRADE PIECE MARK MARK MARK MARK M270 2 MISC (GALV) 2 FB3/8×4 A36 M270 FIELD BOLTS 4 ½ Dia A307 21/4 +1HD WASH GALV

SHOP NOTES:										
REF. DWG/SPEC :										
DEG REF. SPEC. / DV	/G:									
For Fabrication			=	21-22						
For Re-Appro	val			13-22						
A For Approval				06-22						
REV.	DESCRIPTION		BY D	ATE						
HOLES U.N. 13/40/X	PAINTUN. CALLVANIZED WELDS: FZOVV	CLEANING	<u>,                                      </u>							
HOLES U.N. 13/16Ø	PAINT U.N. GALVANIZED WELDS: E70XX	CLEANING	SSPC-SP6							
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: F	PKM CHK. BY:	ALN						
LOCATION:	ALASKA	SCALE: N.A.								
	· · · · · · · · · · · · · · · · · · ·	DATE: 05-26	DATE: 05-26-22							
CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	JOB NUMBER SHEET NO.							
DESCRIPTION:	MISC. DETAIL	460	M270							



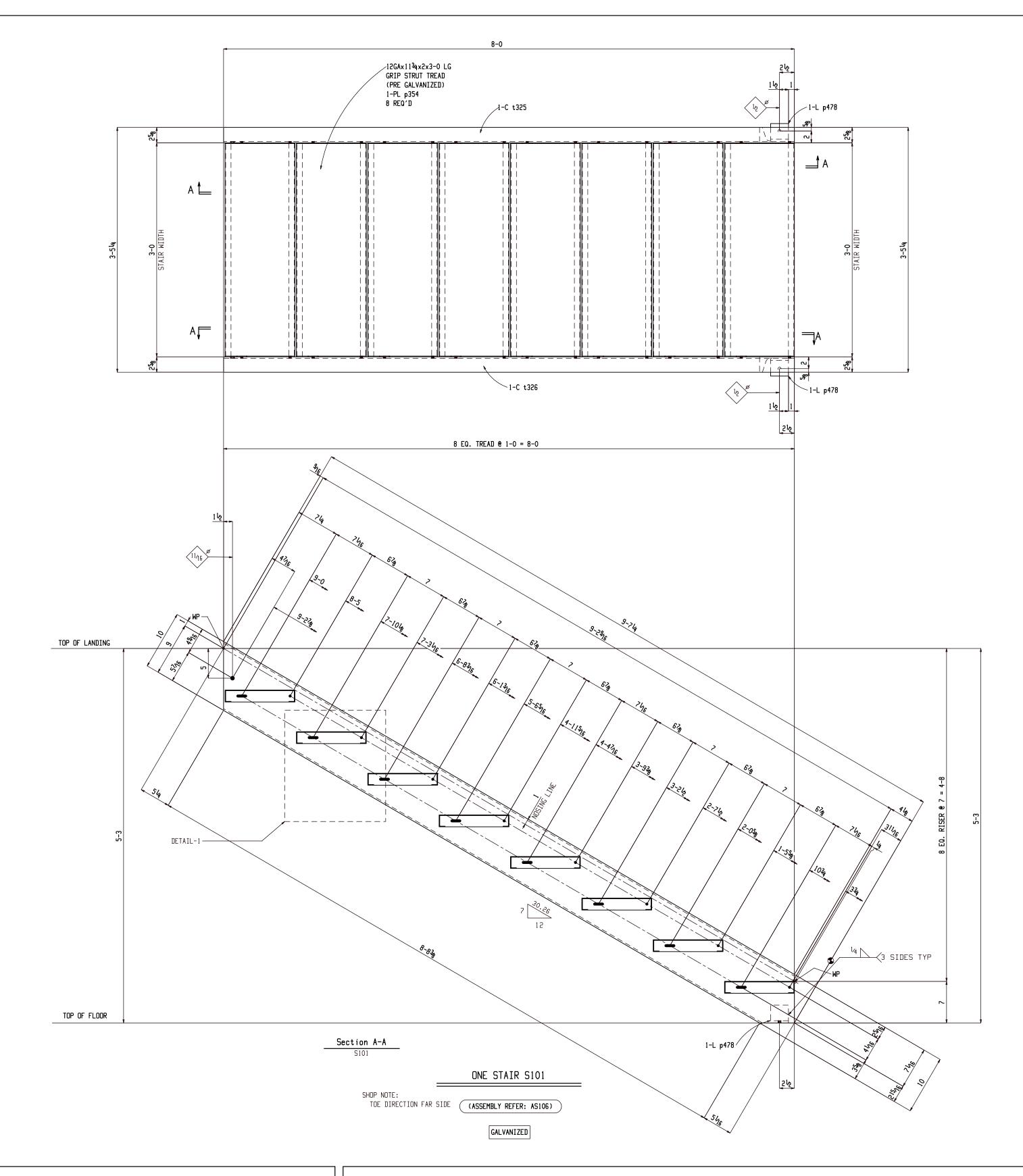
ONE MISC M271

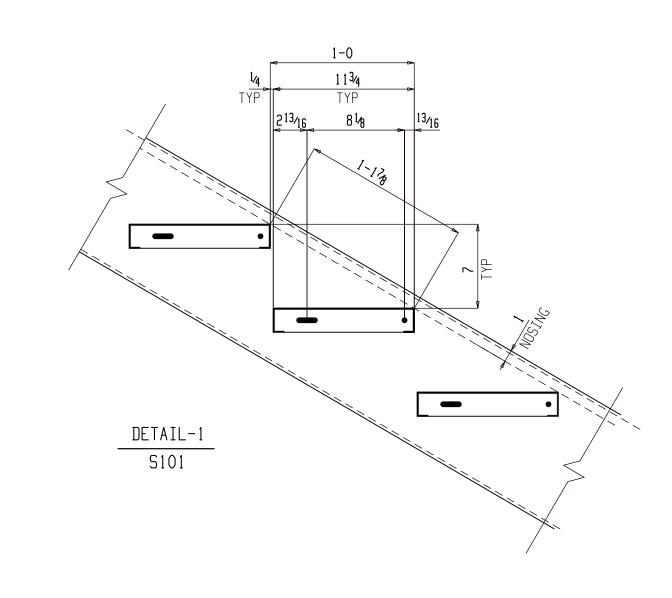
(ASSEMBLY REFER: AS105)

GALVANIZED

#### **BILL OF MATERIAL BILL OF MATERIAL** QTY WEIGHT QTY WEIGHT DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE DESCRIPTION LENGTH REMARKS GRADE SHIP PIECE MARK MARK MARK MARK M271 ONE MISC (GALV) 1 PL3/8x3 M271 A36 FIELD BOLTS 2 ½ Dia A307 21/4 +1HD WASH GALV

SHOP NOTES:										
REF. DWG/SPEC :										
DEG REF. SPEC. / DWG :										
			4131	07.04.6	00					
For Fabrication			ALN	07-21-2						
For Re-Approval For Approval			ALN	07-13-2						
REV. DESCRIPTION			BY	DATE						
HOLES U.N. 13/16Ø PAINT U.N. GALVANIZED WELDS	E70XX	CLEANING	SSPC-SF	P6						
JOB NAME: NAPASKIAK POWER SYSTEM UPG	GRADE	DR. BY: P	KM CHK	. BY: A	۱					
LOCATION: ALASKA	:	SCALE: N.A.								
	Ī	DATE: 05-26-22								
CONTRACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER SHEET NO.		0. F	RE۱					
DESCRIPTION: MISC. DETAIL		460	M27	1   _	$\wedge$					



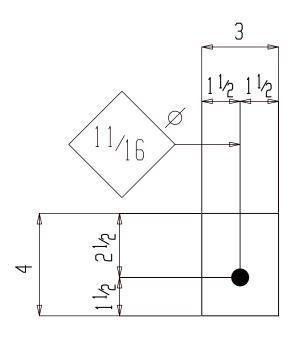


	BILL OF MATERIAL						BILL OF MATERIAL								
SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT	SHIP	PIECE	QTY	DESCRIPTION	LENGTH	REMARKS	GRADE	WEIGHT
MARK	MARK							MARK	MARK						
S101		ONE	STAIR		(GALV)		450			2 T	C 5/8 Dia A325N	1 3/4	+1HD WASH		
	t326	1	C10×15.3	9-71/4		A36	149						GALV		
	t325	1	C10×15.3	9-71/4		A36	149			32 3,	8 Dia A307	1 1/2	+1HD WASH		
	p478	2	L3x3x <sup>3</sup> ⁄8	3		A36	4						GALV		
	p354	8	12GA×11 <sup>3</sup> ⁄ <sub>4</sub> ×2	3-0	(GRIP STRUT		148			2 3,	8 Dia EPOXY ANCH	IOR 4	+1HD WASH		
					TREAD)								GALV		

FIELD BOLTS

## 

FOR	FABRICATION
SHOP NOTES:	
DEE DWO/ODEO.	
REF. DWG/SPEC : DEG REF. SPEC. / DWG :	
DEG REF. SPEC. / DWG .	
→ For Fabrication	ALN 07-21-22
For Re-Approval	ALN 07-13-22
A 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 SCALE: N.A.
LOCATION: ALASKA	DATE: 05-26-22
CONTRACTOR: ALASKA ENERGY AUTHORITY	JOB NUMBER SHEET NO. REV
DESCRIPTION: STAIR DETAIL	460 S101 🙆



 $2 FB^{1/2} \times 4 \times 0 - 3 p 169$ 

GRADE: A36

NO PAINT

For Fabrication

DESCRIPTION

FR102 For Fabrication **ASSY** 

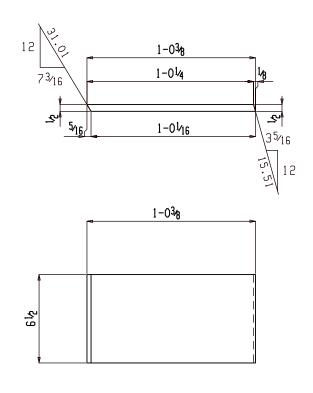
HOLES U.N. 13/<sub>16</sub>Ø JOB NAME: LOCATION: ALASKA

NAPASKIAK POWER SYSTEM UPGRADE

DR. BY: PKM CHK. BY: ALN SCALE: N.A. DATE: 05-26-22

CONTRACTOR: ALASKA ENERGY AUTHORITY 07-21-22 DESCRIPTION: DATE

JOB NUMBER REV **PLATE** p169 460



4 PL<sup>1</sup>2×6<sup>1</sup>2×1-0<sup>3</sup>/<sub>8</sub> p228

GRADE: A36



2	B102
2	B101
QTY	ASSY

CHK. BY: ALN

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY SCALE: N.A. DATE: 05-26-22 JOB NUMBER REV

PKM

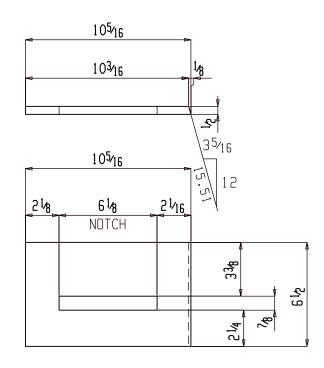
DR. BY:

PLATE

 $\bigcirc$ 460 p228

For Fabrication DESCRIPTION ALN 07-21-22 DATE

DESCRIPTION:



2 PL<sup>1</sup>/<sub>2</sub>x6<sup>1</sup>/<sub>2</sub>x0-10<sup>5</sup>/<sub>16</sub> p229

GRADE: A36

# NO PAINT

DESCRIPTION:

B102 B101 QTY ASSY

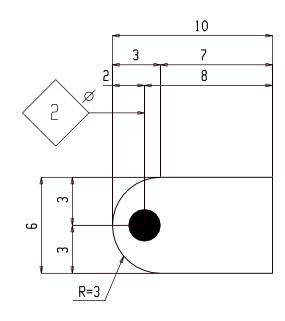
			4.5
⊢or	Fal	brica	ition

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRA
LOCATION:	ALASKA
CONTRACTOR	R: ALASKA ENERGY AUTHORITY

PLATE

ADE	DR. BY:	PKM	CHK. BY:	ALN					
	SCALE: N.A.								
	DATE: 05-26-22								
	JOB NUMBER	SH	HEET NO.	REV					
	460		0229	<u></u>					

$\triangle$			
$\triangle$			
$\triangle$			
<u> </u>	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE



4 PL<sup>3</sup>/<sub>4</sub>x6x0-10 p230

GRADE: A36

(TOW EYE PLATE)

NO PAINT

2 B102 2 B101 QTY ASSY

CHK. BY: ALN

For Fabrication

HOLES U.N. 13/16Ø

For Fabrication

DESCRIPTION

BY DATE

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

LOCATION: ALASKA
CONTRACTOR: ALASKA ENERGY AUTHORITY

SCALE: N.A.

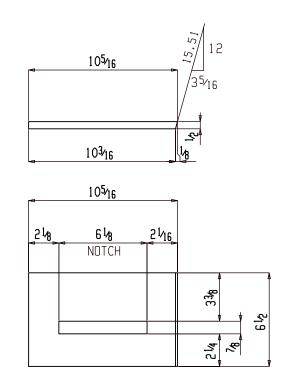
DATE: 05-26-22

JOB NUMBER | SHEET NO. | REV

PKM

DR. BY:

DESCRIPTION: TOW EYE PLATE 460 p230



#### 2 PL<sup>1</sup>⁄2×6<sup>1</sup>⁄2×0-10<sup>5</sup>⁄16 p231

GRADE: A36

# NO PAINT

1 B102 1 B101 QTY ASSY

#### For Fabrication

HOLES U.N. 13/16Ø

For Fabrication

ALN 07-21-22

REV. DESCRIPTION BY DATE

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: PLATE

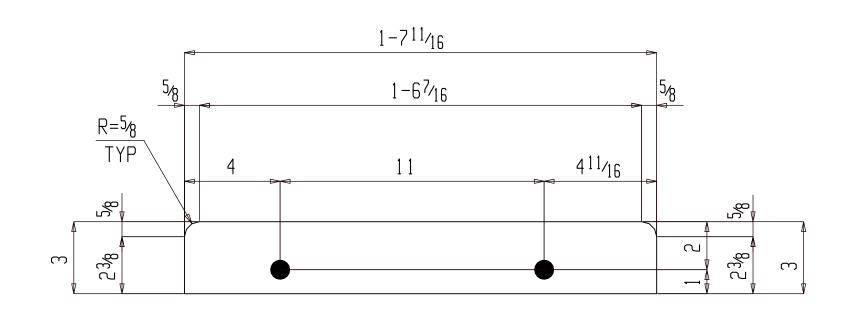
DR. BY: PKM CHK. BY: ALN SCALE: N.A.

DATE: 05-26-22

 ITY
 DATE: 0.9-20-22

 JOB NUMBER
 SHEET NO.
 REV

 460
 p231
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10  $PL^{1}/2 \times 3 \times 1 - 7^{11}/16$  p233

GRADE: A36

## NO PAINT

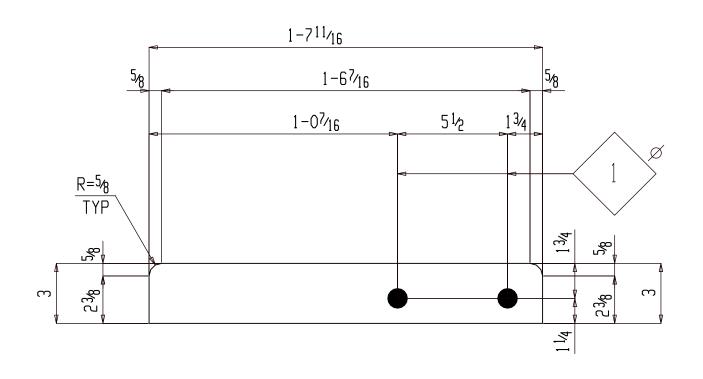
#### SHOP NOTE:

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

For Fabrication

5 B102 5 B101 QTY ASSY

_									
The state of the s				HOLES U.N. 13/	′16Ø				
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. B'	Y: ALN	
$\vdash \leftarrow$				LOCATION:	ALASKA SCALE: N.A.				
				CONTRACTOR:	DATE: 05-26-22		-22		
	For Fabrication	ALN	07-21-22		ALASKA ENERGT AUTHORITT	JOB NUMBER	SHEET NO.	REV	
RFV	DESCRIPTION	RY	DATE	DESCRIPTION:	PLATE	460	p233	<u> </u>	



4  $PL^{1/2} \times 3 \times 1 - 7^{11/16} p^{235}$ 

GRADE: A36

#### B102 B101 QTY ASSY

CHK. BY: ALN

#### SHOP NOTE:

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

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

SCALE: N.A.

DR. BY:

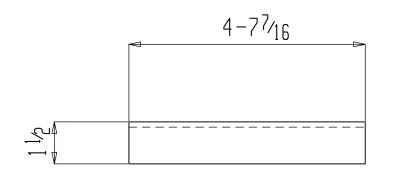
DATE: 05-26-22 JOB NUMBER REV 460 p235

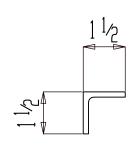
PKM

07-21-22

CONTRACTOR: ALASKA ENERGY AUTHORITY **DESCRIPTION: PLATE** 

For Fabrication DESCRIPTION





# 8 $L1^{1}/2 \times 1^{1}/2 \times 3/16 \times 4 - 7^{7}/16$ p260

GRADE: A36

## NO PAINT

B105 B104 QTY ASSY

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		IOD NAME:
		JOB NAME:
		LOCATION:
		CONTRACT
ALN	07-21-22	DECODIDATE
DV	DATE	DESCRIPTION

For Fabrication

DESCRIPTION

HOLES U.N.

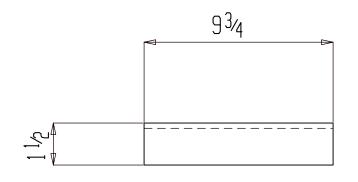
13/<sub>16</sub>Ø NAPASKIAK POWER SYSTEM UPGRADE

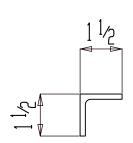
	ALASKA
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ALASKA ENERGY AUTHORITY	Y

DR. BY:	PKN	1 CH	IK. BY:	ALN
SCALE: N	.A.	•		
DATE: 05	-26-22	)		
IOR NUMB	-R	SHEET	NO	RFV

ACTOR:	ALACKA ENERGY ALITHORITY	DATE: 05-26-22			ĺ
ACTOR: ALASKA ENERGY AUTHORITY		JOB NUMBER	SHEET NO.	REV	ĺ
IPTION:	ANGLE	460	p260	<b>⊘</b>	





# 8 L1½x1½x³/<sub>16</sub>x0-9³/<sub>4</sub> p276

GRADE: A36

NO PAINT

4	B108
2	B107
2	B106
QTY	ASSY

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

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

OUTDACTOD: ALASKA

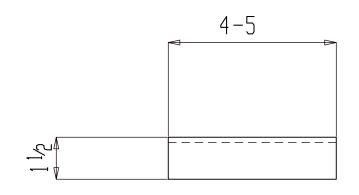
CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: ANGLE

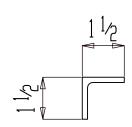
DR. BY: PKM CHK. BY: ALN
SCALE: N.A.

DATE: 05-26-22

 JOB NUMBER
 SHEET NO.
 REV

 460
 p276
 6





## $12 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 4 - 5 p277$

GRADE: A36

NO PAINT

6	B108
3	B107
3	B106
QTY	ASSY

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

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

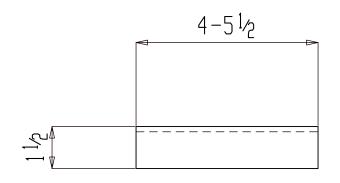
 SCALE:
 N.A.

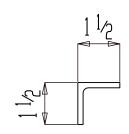
 DATE:
 05-26-22

 JOB NUMBER
 SHEET NO.
 REV

p277

460





## $2 L1^{1/2} \times 1^{1/2} \times 3/16 \times 4 - 5^{1/2} p278$

GRADE: A36

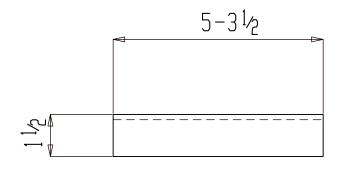
NO PAINT

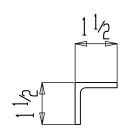
	1	B105
	1	B104
or Fabrication	QTY	ASSY

CHK. BY: ALN

p278

				HOLES U.N. 13	<sup>3</sup> /16Ø		
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
				LOCATION:	ALASKA	SCALE: N.A	
		+				DATE: 05-20	6-22
	For Fabrication	ALN	07-21-22	CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	Sł
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	ı
	220 11011	ــــــــــــــــــــــــــــــــــــــ		1		1	





## $2 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 5 - 3 \frac{1}{2} p279$

GRADE: A36

B105 B104 For Fabrication QTY ASSY

				HOLES U.N.
				JOB NA
				LOCATI
				CONTR
	For Fabrication	ALN	07-21-22	
REV.	DESCRIPTION	BY	DATE	DESCR

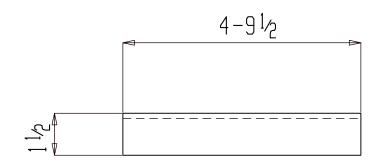
13/<sub>16</sub>Ø JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

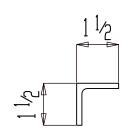
LOCATION: ALASKA

CONTRACTOR:	ALASKA ENERGY AUTHORITY
DESCRIPTION:	ANGLE

CHK. BY: ALN PKM SCALE: N.A. DATE: 05-26-22 460 p279

DR. BY:





## $2 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 4 - 9 \frac{1}{2} \quad p281$

GRADE: A36

B105 B104 QTY ASSY

CHK. BY: ALN

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1 01	I UN	1100	

JOB NAME: LOCATION: CONTRACTOR: ALN 07-21-22

For Fabrication

DESCRIPTION

13/<sub>16</sub>Ø

NAPASKIAK POWER SYSTEM UPGRADE ALASKA

SCALE: N.A.

DR. BY:

DATE: 05-26-22 JOB NUMBER REV p281

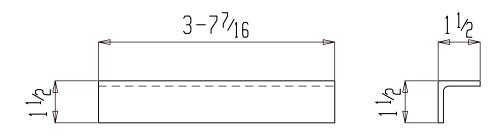
PKM

DESCRIPTION:

HOLES U.N.

ALASKA ENERGY AUTHORITY

**ANGLE** 460



4  $L1\frac{1}{2}\times1\frac{1}{2}\times3\frac{3}{16}\times3-7\frac{7}{16}$  p282

GRADE: A36

NO PAINT

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

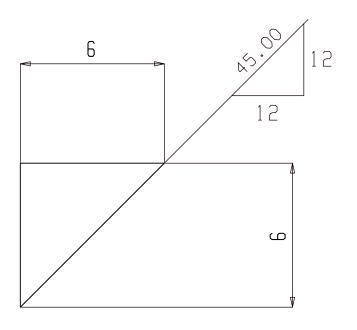
HOLES U.N. 13/<sub>16</sub>Ø

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

DESCRIPTION: ANGLE 460 p282



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

GRADE: A36

NO PAINT

3	AS103
2	AS102
QTY	ASSY

For Fabrication

13/<sub>16</sub>Ø 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

07-21-22

For Fabrication

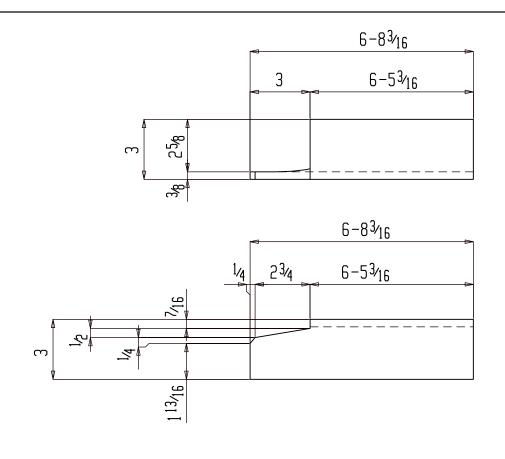
DESCRIPTION

HOLES U.N.

DESCRIPTION:

PLATE

460 p333



2 L3x3x<sup>3</sup>/<sub>8</sub>x6-8<sup>3</sup>/<sub>16</sub> p336

GRADE: A36

## NO PAINT

For Fabrication

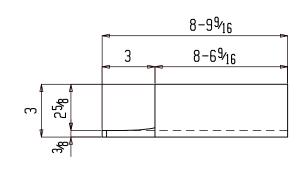
2

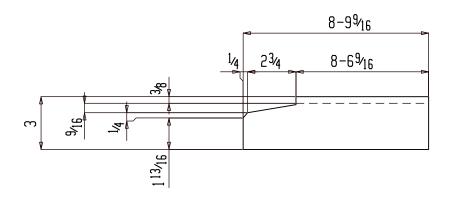
QTY

AS102

ASSY

				HOLES U.N. 13	<sup>3</sup> / <sub>16</sub> Ø			
$\stackrel{\wedge}{\downarrow}$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY	: ALN
$\overleftrightarrow{+}$				LOCATION:	ALASKA	SCALE: N.A.		
$\Rightarrow$				CONTRACTOR:		DATE: 05-26		
	For Fabrication	ALN	07-21-22			JOB NUMBER		REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	p336	





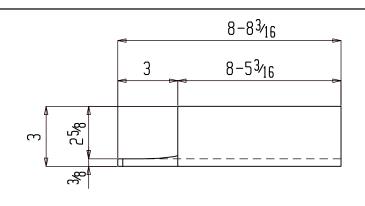
 $2 L3x3x^{3}/8x8-9^{9}/16 p337$ 

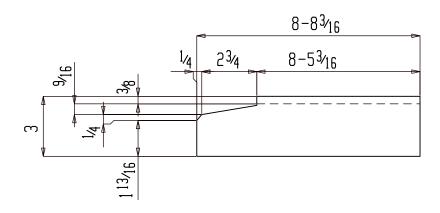
GRADE: A36

AS103 For Fabrication ASSY QTY

REV

HOLES U.N. 13/<sub>16</sub>Ø DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER ALN 07-21-22 For Fabrication DESCRIPTION: **ANGLE** 460 p337 DESCRIPTION DATE





For Fabrication

DESCRIPTION

2 L3x3x<sup>3</sup>/<sub>8</sub>x8-8<sup>3</sup>/<sub>16</sub> p338

GRADE: A36

### NO PAINT

07-21-22

DATE

For Fabrication

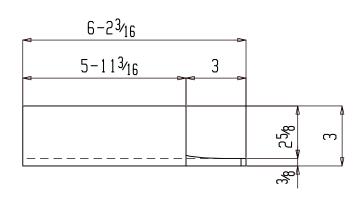
2 AS103 QTY ASSY

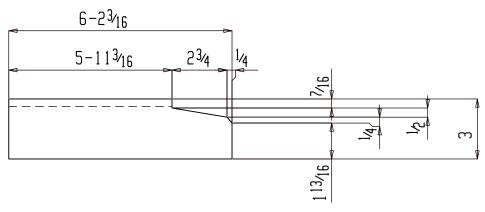
HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE
LOCATION:	ALASKA

DR. BY:	PKM	CHK. BY:	ALN
SCALE: N	.A.		
DATE: 05	-26-22		

CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: ANGLE

DATE: 05-26	5-22	
JOB NUMBER	SHEET NO.	REV
460	p338	<u></u>





#### ONE $L3x3x^{3}/8x6-2^{3}/16$ p340

GRADE: A36

## NO PAINT

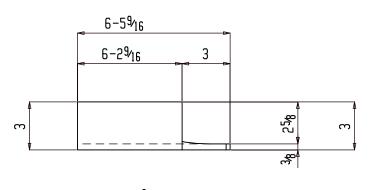
FR101 For Fabrication QTY ASSY

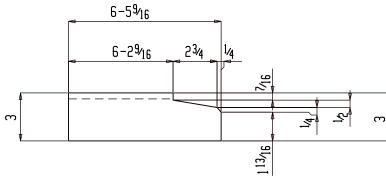
			HOLES U.N. 13	<sup>3</sup> /16Ø		
			JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM
			LOCATION:	ALASKA	SCALE: N.A	١.
			CONTRACTOR:		DATE: 05-2	
For Fabrication	ALN	07-21-22			JOB NUMBER	+
REV. DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	

CHK. BY: ALN

REV

p340





ONE  $L3x3x^{3}/8x6-5^{9}/16$  p341

GRADE: A36

## NO PAINT

FR101 For Fabrication ASSY QTY

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

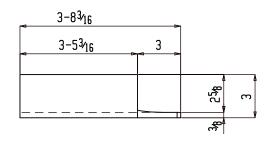
HOLES U.N. 13/<sub>16</sub>Ø JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

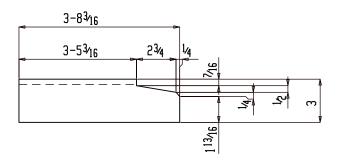
LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DR. BY: PKM CHK. BY: ALN SCALE: N.A. DATE: 05-26-22 JOB NUMBER REV

DESCRIPTION: **ANGLE** 460 p341





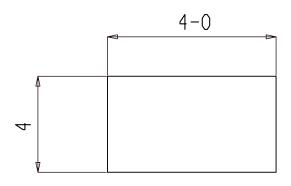
ONE  $L3x3x^{3}/8x3-8^{3}/16$  p351

GRADE: A36

# NO PAINT

For Fabrication 1 FR102 QTY ASSY

		HOLES U.N. 13/ <sub>16</sub> Ø						
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM   CHK. BY:	: ALN
				LOCATION:	ALASKA	SCALE: N.A.	·	
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26		
	For Fabrication	ALN	07-21-22	-		JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	p351	20



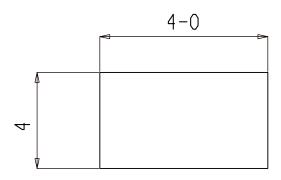
ONE  $FB_{8} \times 4 \times 4 - 0$  p352

GRADE: A36

NO PAINT

For Fabrication QTY	1	ASSY

HOLES U.N. 13/<sub>16</sub>Ø DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV 07-21-22 For Fabrication DESCRIPTION: PLATE 460 p352 DESCRIPTION DATE



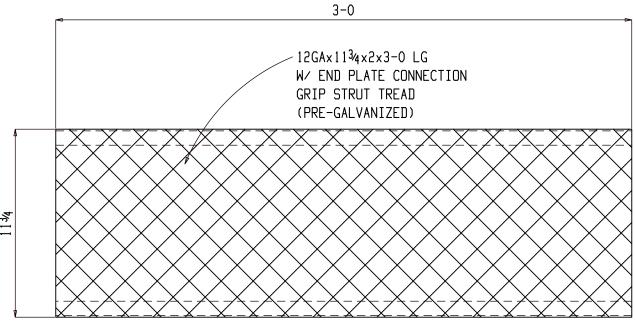
ONE  $FB_{8} \times 4 \times 4 = 0$  p353

GRADE: A36

NO PAINT

	1	1	HR102
For Fabrication		QTY	ASSY

				HOLES U.N. 13/	/ <sub>16</sub> Ø					
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM (	CHK. BY:	ALN	
				LOCATION:	LOCATION. ALASKA		SCALE: N.A.			
				CONTRACTOR:			6-22			
	For Fabrication	ALN	07-21-22	<u> </u>		JOB NUMBER		ET NO.	REV	
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	PLATE	460	p3	353		



8 GRIPSTRUT 12GAx11<sup>3</sup>/<sub>4</sub>x2x3-0 p354

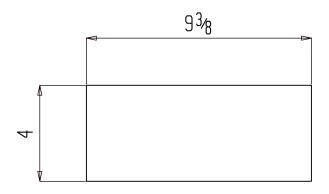
## PRE-GALVANIZED

For Fabrication

S101

QTY ASSY

				HOLES U.N. 13/	16Ø			
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY:	: ALN
				LOCATION:	ALASKA	SCALE: N.A.	·	
					. —	DATE: 05-26	-22	
	For Fabrication	ΔΙΝ	07-21-22	CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	GRIPSTRUT TREAD	460	p354	



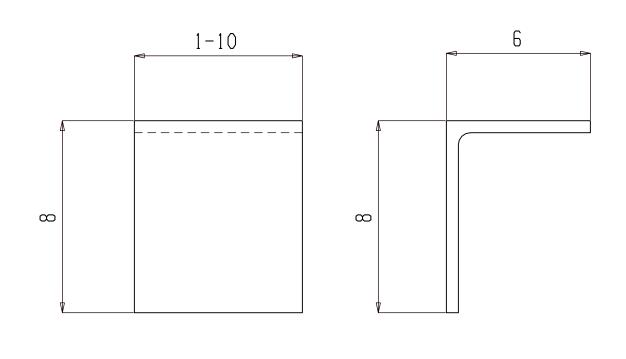
ONE  $FB\frac{3}{8}\times4\times0-9\frac{3}{8}$  p356

GRADE: A36

NO PAINT

	1	1	HR103
For Fabrication		QTY	ASSY

		HOLES U.N. 13/							
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CH	IK. BY:	ALN
				LOCATION:	ALASKA	SCALE: N.A.			
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26			
	For Fabrication	ALN	07-21-22			JOB NUMBER			REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	PLATE	460	p35	סנ	∠0\



3 L8x6x<sup>1</sup>/<sub>2</sub>x1-10 p369

GRADE: A36

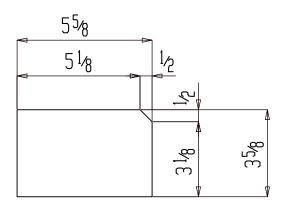
NO PAINT

		HOLES U.N. 13/16Ø							
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK	. BY: ALN	
				LOCATION:	ALASKA	SCALE: N.A.			
				CONTRACTOR:					
	For Fabrication	ALN	07-21-22			JOB NUMBER			
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	p369		

For Fabrication

FR110

QTY ASSY



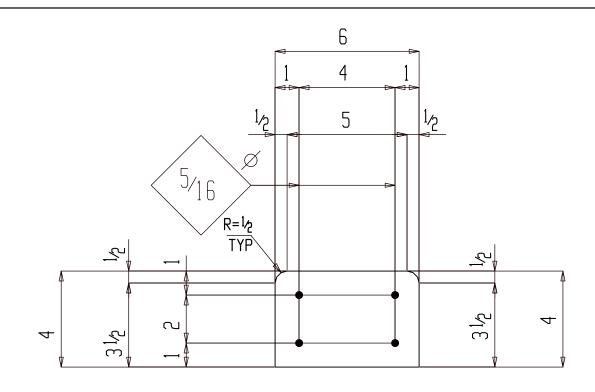
 $24 \text{ PL}^{3}/8 \times 3^{5}/8 \times 0^{-5}/8 \text{ p} 384$ 

GRADE: A36

NO PAINT

	1	24	M262	
For Fabrication		QTY	ASSY	

HOLES U.N. 13/<sub>16</sub>Ø DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV ALN 07-21-22 For Fabrication DESCRIPTION: PLATE 460 p384 DESCRIPTION DATE



 $3 PL^{3}/4 \times 4 \times 0 - 6 p457$ 

### EPDM RUBBER PAD

1 M269 2 M268 QTY ASSY

For Fabrication

JOB NAME:
LOCATION:
CONTRACT
DATE
DESCRIPTION

ALN

For Fabrication

DESCRIPTION

HOLES U.N.

13/<sub>16</sub>Ø

NAPASKIAK POWER SYSTEM UPGRADE
ALASKA

ERGY AUTHORITY

DR. BY: PKM CHK. BY: ALN SCALE: N.A.
DATE: 05-26-22

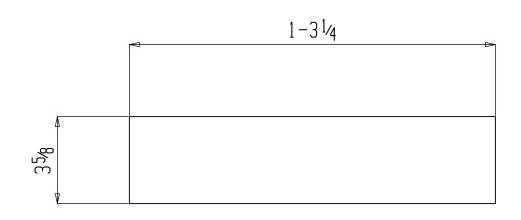
CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: EPDM RUBBER PAD

DA1E: 03-26-22

JOB NUMBER SHEET NO. REV

460 p457



 $12 \text{ PL}^{1}/4 \times 3^{5}/8 \times 1 - 3^{1}/4 \text{ p460}$ 

GRADE: A36

NO PAINT

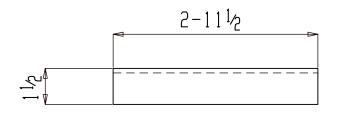
For Fabrication

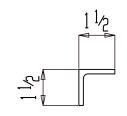
12

M262

QTY ASSY

				HOLES U.N. 13/	16Ø			
A				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. B	Y: ALN
				LOCATION:	ALASKA	SCALE: N.A.	·	
$\overline{\wedge}$				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26		
<u> </u>	For Fabrication	ALN	07-21-22			JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	PLATE	460	p460	





### 4 L1½×1½×3/16×2-11½ p464

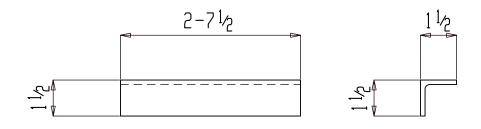
GRADE: A36

NO PAINT

For Fabrication

2	B102
2	B101
QTY	ASSY

				HOLES U.N. 13,	/ <sub>16</sub> Ø				
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM CHK. BY:	: ALN	
				LOCATION:	ON: ALASKA		SCALE: N.A.		
				CONTRACTOR:	ONTRACTOR: ALASKA ENERGY AUTHORITY				
	For Fabrication	ALN	07-21-22			JOB NUMBER	SHEET NO.	REV	
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE	460	p464	<u> </u>	



 $2 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 2 - 7 \frac{1}{2}$  p465

GRADE: A36

## NO PAINT

B102 B101 For Fabrication QTY ASSY

				HOLES U.N. 13	/16Ø
				JOB NAME:	NAPASKIAK POW
				LOCATION:	ALASKA
				CONTRACTOR:	ALASKA ENERGY
	For Fabrication	ALN	07-21-22	DESCRIPTION.	ANOLE
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	ANGLE

WER SYSTEM UPGRADE

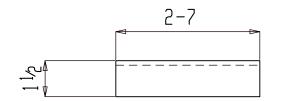
Y AUTHORITY

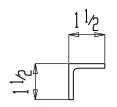
SCALE: N.A. DATE: 05-26-22 460 p465

CHK. BY: ALN

PKM

DR. BY:





6  $L1^{1/2} \times 1^{1/2} \times 3/16 \times 2 - 7$  p466

GRADE: A36

B102 3 B101 QTY ASSY

For Fabrication

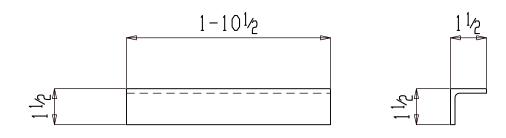
$\triangleright$			
$\triangleright$			
$\triangleright$			
$\triangleright$			
$\geqslant$	For Fabrication	ALN	07-21-22
REV.	DESCRIPTION	BY	DATE

HOLES U.N. 13/<sub>16</sub>Ø

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 **DESCRIPTION: ANGLE** 460 p466



4  $L1^{1/2} \times 1^{1/2} \times 3/16 \times 1 - 10^{1/2}$  p467

GRADE: A36

NO PAINT

B102 B101 QTY ASSY

CHK. BY: ALN

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø JOB NAME:

LOCATION:

NAPASKIAK POWER SYSTEM UPGRADE ALASKA

SCALE: N.A.

DR. BY:

DATE: 05-26-22 JOB NUMBER

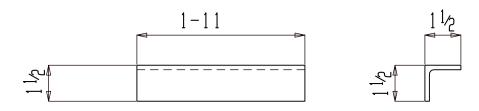
PKM

For Fabrication DESCRIPTION

CONTRACTOR: 07-21-22 DESCRIPTION:

ALASKA ENERGY AUTHORITY **ANGLE** 

REV 460 p467



4  $L1^{1/2} \times 1^{1/2} \times 3^{1/2} \times 3 \times 1 - 11$  p468

GRADE: A36

B102 2 B101 QTY ASSY

CHK. BY: ALN

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: LOCATION: NAPASKIAK POWER SYSTEM UPGRADE ALASKA

SCALE: N.A.

DR. BY:

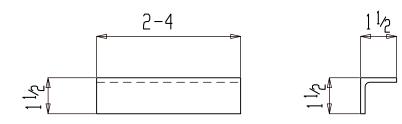
DATE: 05-26-22

PKM

CONTRACTOR: ALASKA ENERGY AUTHORITY DESCRIPTION: **ANGLE** 

JOB NUMBER 460 p468

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



 $2 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 2 - 4 p469$ 

GRADE: A36

NO PAINT

1 B102 1 B101 QTY ASSY

CHK. BY: ALN

For Fabrication

For Fabrication

DESCRIPTION

BY DATE

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: ANGLE

SCALE: N.A.

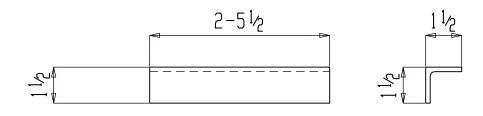
DATE: 05-26-22

JOB NUMBER SHEET NO. REV

PKM

DR. BY:

TION: ANGLE 460 p469 \( \triangle \)



 $2 L1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{16} \times 2 - 5 \frac{1}{2} p470$ 

GRADE: A36

B102 B101 QTY ASSY

For Fabrication

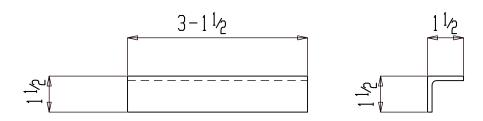
HOLES U.N. 13/<sub>16</sub>Ø

ALN 07-21-22 For Fabrication DESCRIPTION DATE

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 REV

DESCRIPTION: **ANGLE** 460 p470



6  $L1\frac{1}{2}\times1\frac{1}{2}\times\frac{3}{16}\times3-1\frac{1}{2}$  p471

GRADE: A36

NO PAINT

B102 B101 QTY ASSY

HOLES U.N.	131.00

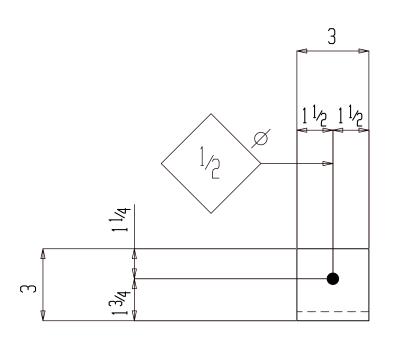
For Fabrication

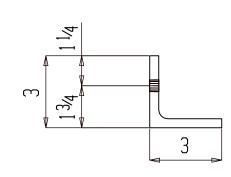
07-21-22 For Fabrication DESCRIPTION

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 DESCRIPTION: **ANGLE** 460 p471





 $2 L3x3x^{3}/8x0-3 p478$ 

GRADE: A36

NO PAINT

For Fabrication
-----------------

2 S101 QTY ASSY

CHK. BY: ALN

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

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: ANGLE

 DATE: 05-26-22

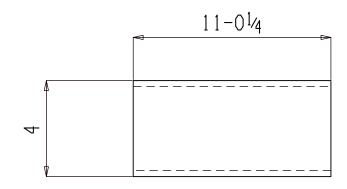
 JOB NUMBER
 SHEET NO.
 REV

 460
 p478
 6

PKM

DR. BY:

SCALE: N.A.



ONE  $HSS4 \times 4 \times \frac{1}{4} \times 11 - 0\frac{1}{4} + t18$ 

GRADE: A500B

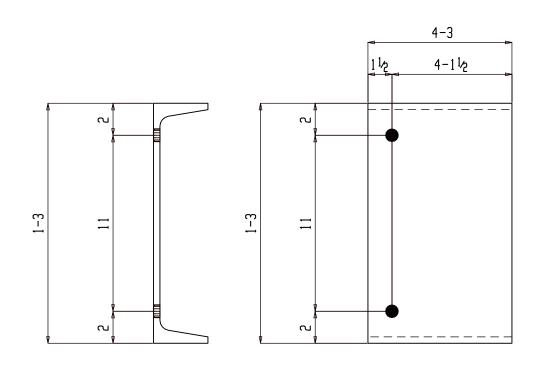
NO PAINT

				HOLES U.N. 13/	16Ø				
A				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM C	CHK. BY:	ALN
$\overline{}$				LOCATION:	ALASKA	SCALE: N.A.			
$\overline{\wedge}$				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26			
$\overline{\wedge}$	For Fabrication	ALN	07-21-22			JOB NUMBER		ET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t	:18	<u> </u>

For Fabrication

FR106

QTY ASSY



4 C15x33.9x4-3 t57

GRADE: A36

## NO PAINT

2 FR102 2 FR101 QTY ASSY

 $\bigcirc$ 

#### For Fabrication

HOLES U.N. 13/16Ø

JOB NAME:
LOCATION:
CONTRACTOR:

DESCRIPTION:

NAPASKIAK POWER SYSTEM UPGRADE ALASKA

ALASKA ENERGY AUTHORITY

CHANNEL

DR. BY: PKM CHK. BY: ALN
SCALE: N.A.

DATE: 05-26-22

JOB NUMBER SHEET NO. REV

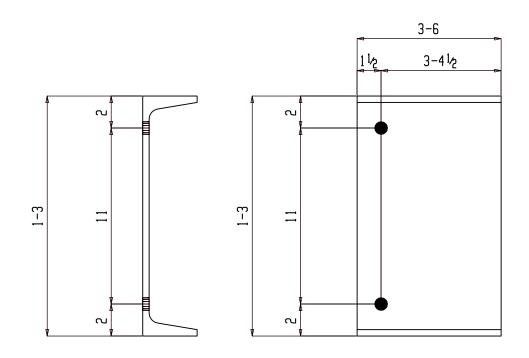
t57

460

For Fabrication

DESCRIPTION

BY DATE



5 C15x33.9x3-6 t126

GRADE: A36

## NO PAINT

3 AS103 2 AS102 QTY ASSY

CHK. BY: ALN

#### For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DESCRIPTION: CHANNEL

SCALE: N.A.

DATE: 05-26-22

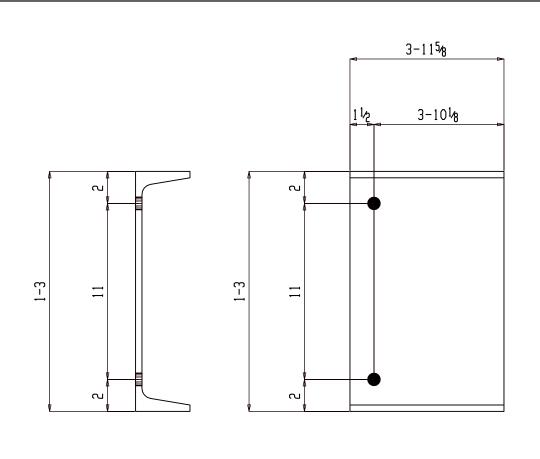
JOB NUMBER SHEET NO. REV

460 t126

PKM

DR. BY:

∑ For Fabrication ALN 07-21-22 EV. DESCRIPTION BY DATE



ONE C15x33.9x3-115/8 t137

GRADE: A36

## NO PAINT

For Fabrication 1 FR101 QTY ASSY

				HOLES U.N.
				JOB NA
				LOCATI
				CONTR
	For Fabrication	ALN	07-21-22	DECOD
REV.	DESCRIPTION	BY	DATE	DESCR

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE

LOCATION: ALASKA

13/<sub>16</sub>Ø

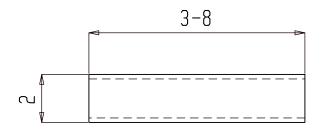
CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: CHANNEL

DR. BY: PKM CHK. BY: ALN
SCALE: N.A.

DATE: 05-26-22
JOB NUMBER SHEET NO. REV

t137

460



4 HSS2x2x<sup>3</sup>/<sub>16</sub>x3-8 t143

GRADE: A500B

NO PAINT

07-21-22

For Fabrication

DESCRIPTION

1 HR105 1 HR104 2 HR102 QTY ASSY

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

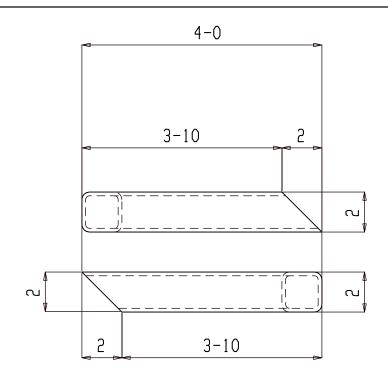
CONTRACTOR: ALASKA ENERGY AUTHORITY

DR. BY: PKM CHK. BY: ALN SCALE: N.A.

DATE: 05-26-22

JOB NUMBER | SHEET NO. | REV

DESCRIPTION: HSS 460 t143 \( \alpha \)



#### ONE HSS2x2x3/16x4-0 t165

GRADE: A500B

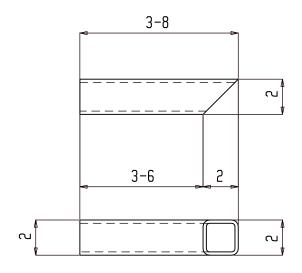
## NO PAINT

For Fabrication

HR102

QTY ASSY

				HOLES U.N. 13/	16Ø				
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN
				LOCATION:	ALASKA	SCALE: N.A	١.		
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-2			
	For Fabrication	ALN	07-21-22			JOB NUMBER		EET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t	165	



#### ONE HSS2x2x3/16x3-8 t166

GRADE: A500B

NO PAINT

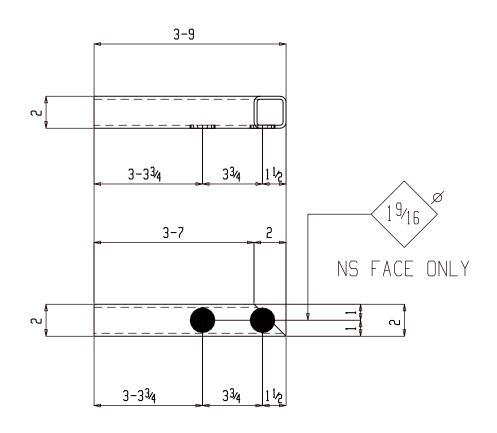
For Fabrication

HR102

ASSY

QTY

				HOLES U.N. 13/	16Ø			
$\Delta$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM   CHK. BY:	ALN
$\stackrel{\triangle}{\longrightarrow}$				LOCATION:	ALASKA	SCALE: N.A.		
<u> </u>						DATE: 05-26	3-22	
S For Fo	abrication	ALN	07-21-22	CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER		REV
EV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t166	



ONE  $HSS2 \times 2 \times \frac{3}{16} \times 3 - 9 + 1167$ 

GRADE: A500B

NO PAINT

07-21-22

DATE

#### SHOP NOTE:

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

For Fabrication

HR104 QTY **ASSY** 

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø

NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: LOCATION: ALASKA

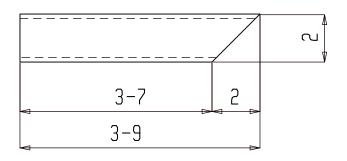
ALASKA ENERGY AUTHORITY HSS

DR. BY: PKM CHK. BY: ALN SCALE: N.A. DATE: 05-26-22

JOB NUMBER REV 460 t167

ALN For Fabrication DESCRIPTION

CONTRACTOR: DESCRIPTION:



#### ONE $HSS2 \times 2 \times \frac{3}{16} \times 3 - 9 + 168$

GRADE: A500B

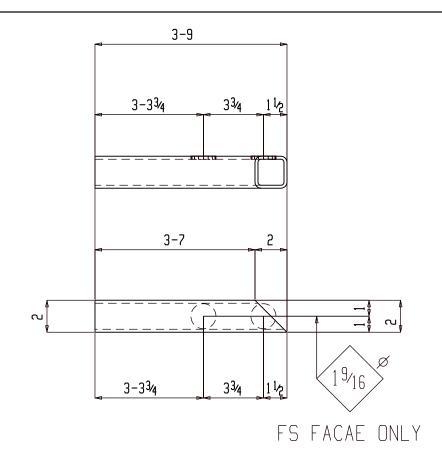
NO PAINT

			Γ	HOLES U.N. 13/	16Ø			
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM CHK. BY:	: ALN
				LOCATION:	ALASKA	SCALE: N.A.		
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-		
	For Fabrication	ALN	07-21-22			JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t168	0

For Fabrication

HR104

QTY ASSY



ONE  $HSS2x2x^{3}/16x3-9$  t169

GRADE: A500B

#### SHOP NOTE:

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

For Fabrication

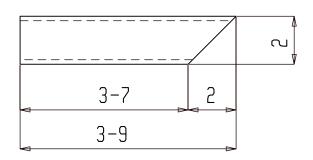
HR105 ASSY QTY

	HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
_	JOB NAME:	NAPASKIAK POWER SYSTEM (
_	LOCATION:	ALASKA
	CONTRACTO	D. ALACKA ENEDOV ALITHODITY

DR. BY: PKM CHK. BY: ALN SCALE: N.A. DATE: 05-26-22

JOB NUMBER REV 460 t169

		1		JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE
				LOCATION:	
				LOCATION.	ALASKA
				CONTRACTOR:	ALASKA ENERGY AUTHORITY
	For Fabrication	ALN	07-21-22	DECODIDATION	1100
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS



### ONE $HSS2 \times 2 \times \frac{3}{16} \times 3 - 9 + 170$

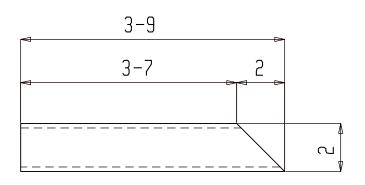
GRADE: A500B

NO PAINT

For Fabrication

HR105

				HOLES U.N. 13/	16Ø			
$ \downarrow\rangle$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PI	KM CHK. BY:	: ALN
$\downarrow$				LOCATION:	ALASKA	SCALE: N.A.		
				4		DATE: 05-26-	22	
	For Fabrication	ALN	07-21-22	CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t170	



### ONE $HSS2x2x3_{16}x3-9$ t171

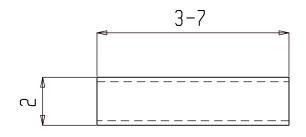
GRADE: A500B

# NO PAINT

For Fabrication

HR102

				HOLES U.N. 13/	16Ø			
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: PI	M CHK. BY	: ALN
$\downarrow \sim$				LOCATION:	ALASKA	SCALE: N.A.		
				4		DATE: 05-26-2	22	
	For Fabrication	ALN	07-21-22	CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t171	



### ONE $HSS2x2x^{3}/16x3-7$ t172

GRADE: A500B

NO PAINT

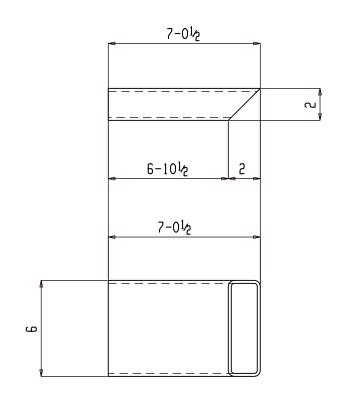
HR102 For Fabrication QTY **ASSY** 

HOLES U.N. 13/<sub>16</sub>Ø DR. BY: PKM JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY 07-21-22 For Fabrication

DESCRIPTION

DESCRIPTION: HSS 460 t172

CHK. BY: ALN



ONE  $HSS6 \times 2 \times \frac{3}{16} \times 7 - 0\frac{1}{2}$  t192

GRADE: A500B

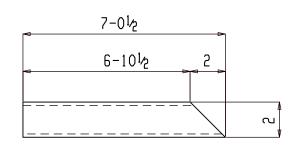
#### SHOP NOTE:

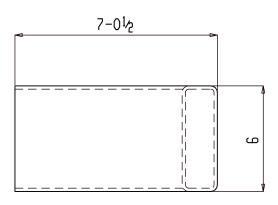
- 1. FABRICATE FRAMED OPENING WITH MITERED CORNERS ANDFULL PENETRATION GROOVE WELDS.
- 2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENTIONS INDICATED ON PLANS OR ELEVATIONS.
- 3. GRIND OUT INSIDE OF MITERER CORNERS TO PROVIDE FULL CLEAR OPENING.

NO PAINT

For Fabrication 1 FR103
QTY ASSY

HOLES U.N. 13/<sub>16</sub>Ø PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE DR. BY: JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV 07-21-22 For Fabrication ALN **DESCRIPTION:** HSS 460 t192 DESCRIPTION DATE





ONE  $HSS6 \times 2 \times \frac{3}{16} \times 7 - 0\frac{1}{2} + 194$ 

GRADE: A500B

#### SHOP NOTE:

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

NO PAINT

For Fabrication

DESCRIPTION:

FR103 QTY **ASSY** 

CHK. BY: ALN

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
JOB NAME:	NAPASKIAK POWER SYSTEM UPG
LOCATION:	ALASKA

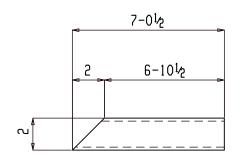
HSS

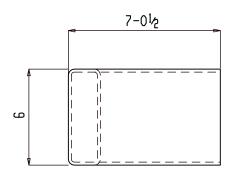
GRADE CONTRACTOR: ALASKA ENERGY AUTHORITY

SCALE: N.A. DATE: 05-26-22 JOB NUMBER REV 460 t194

DR. BY: PKM

7			
	For Fabrication	ALN	07-21
<i>'</i> .	DESCRIPTION	BY	DA





2  $HSS6x2x^{3}/16x7-0^{1}/2$  t212

GRADE: A500B

### SHOP NOTE:

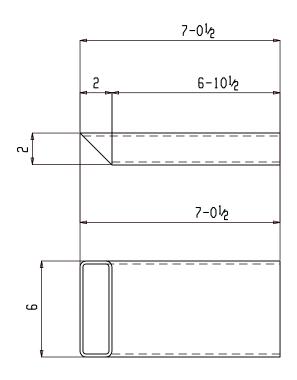
- 1. FABRICATE FRAMED OPENING WITH MITERED CORNERS ANDFULL PENETRATION GROOVE WELDS.
- 2. FABRICATED TO FINISHED INSIDE (CLEAR) DIMENTIONS INDICATED ON PLANS OR ELEVATIONS.
- 3. GRIND OUT INSIDE OF MITERER CORNERS TO PROVIDE FULL CLEAR OPENING.

# NO PAINT

For Fabrication

1 FR105 1 FR104 QTY ASSY

				HOLES U.N. 13	/16Ø				
$\triangle$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	KM C	CHK. BY:	ALN
				LOCATION:	ALASKA	SCALE: N.A.			
				4		DATE: 05-26			
	Fau Fahriaatian	A I N I	07 24 22	CONTINACTOR.	ALAGNA LINLINGT AUTHONITT	JOB NUMBER	SHEE	ET NO.	REV
<u> </u>	For Fabrication	ALN		DESCRIPTION:	HSS	460	+2	12	
REV.	DESCRIPTION	BY	DATE	DESCRIPTION.	поо	400	ιz	.12	<u> </u>



ONE  $HSS6 \times 2 \times \frac{3}{16} \times 7 - 0\frac{1}{2}$  t214

GRADE: A500B

# NO PAINT

#### SHOP NOTE:

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

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For			4: - :-
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	ı av	IIVU	LIVI

FR104 QTY **ASSY** 

CHK. BY: ALN

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
JOB NAME:	NAPA

LOCATION:

PASKIAK POWER SYSTEM UPGRADE ALASKA

SCALE: N.A.

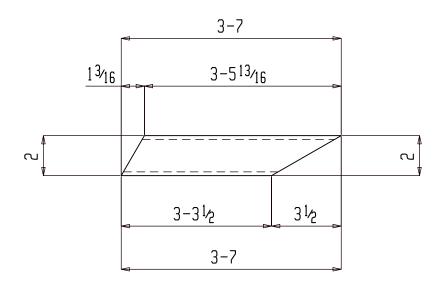
DR. BY:

DATE: 05-26-22 JOB NUMBER REV 460 t214

PKM

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

CONTRACTOR: ALASKA ENERGY AUTHORITY **DESCRIPTION:** HSS



### 2 HSS2x2x<sup>3</sup>/<sub>16</sub>x3-7 t220

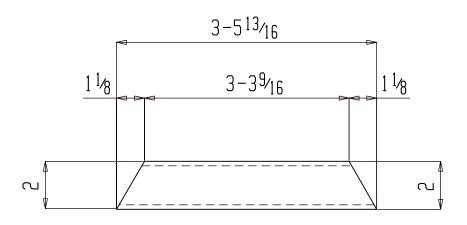
GRADE: A500B

# NO PAINT

For Fabrication

HR101

				HOLES U.N. 13/	16Ø				
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CH	HK. BY:	ALN
				LOCATION:	ALASKA	SCALE: N.A			
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-2		- 110	
	For Fabrication	ALN	07-21-22			JOB NUMBER			REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t22	20	



2  $HSS2 \times 2 \times \frac{3}{16} \times 3 - 5\frac{13}{16}$  t222

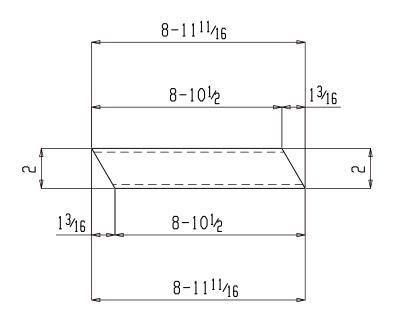
GRADE: A500B

## NO PAINT

For Fabrication

HR101

				HOLES U.N. 13/				
$\triangle$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY	: AIN
$  \triangle  $				LOCATION:	ALASKA	SCALE: N.A.	311111 51	- /
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26		
	For Fabrication	ALN	07-21-22			JOB NUMBER		REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t222	



2  $HSS2x2x^{3}/16x8-11^{11}/16$  t225

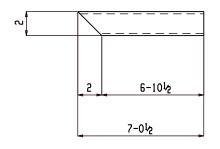
GRADE: A500B

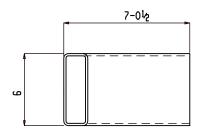
# NO PAINT

For Fabrication

HR101

				HOLES U.N. 13/	<sup>1</sup> 16Ø			
$\downarrow$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	KM CHK. BY:	: ALN
$\vdash$				LOCATION:	ALASKA	SCALE: N.A.		
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26		J DEV
REV.	For Fabrication	ALN	07-21-22			JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t225	∠0∖





ONE  $HSS6 \times 2 \times \frac{3}{16} \times 7 - 0\frac{1}{2}$  t227

GRADE: A500B

#### SHOP NOTE:

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



For Fabrication

FR105 QTY **ASSY** 

CHK. BY: ALN

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø

NAPASKIAK POWER SYSTEM UPGRADE JOB NAME: ON: ALASKA

SCALE: N.A.

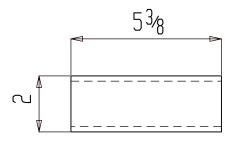
DR. BY:

ACTOR: ALASKA ENERGY AUTHORITY IPTION: HSS

DATE: 05-26-22 JOB NUMBER REV 460 t227

PKM

1 /	/ \				
	$\overline{\wedge}$				LOCATIO
	$\overline{\triangle}$				CONTRA
_		For Fabrication	ALN	07-21-22	DECODIE
R	EV.	DESCRIPTION	BY	DATE	DESCRIP



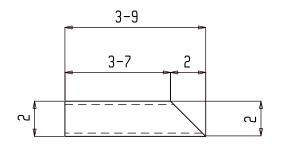
## ONE $HSS2 \times 2 \times \frac{3}{16} \times 0 - 5\frac{3}{8}$ t231

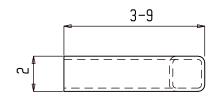
GRADE: A500B

NO PAINT

HR103

				For Fabrica	tion			QTY	ASSY	
				HOLES U.N. 13/	16Ø					
A				JOB NAME:	NAPASKIAK POWER	SYSTEM UPGRADE	DR. BY: P	KM CHK	. BY: ALN	
$\frac{\langle \cdot \rangle}{\langle \cdot \rangle}$				LOCATION:	ALASKA		SCALE: N.A.			
$\forall$						DATE: 05-26-	22			
${}$	For Fabrication	ALN	07-21-22	CONTRACTOR:	ALASKA ENERGI AL	JINORIIT	JOB NUMBER	SHEET NO	O. REV	
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS		460	t231		





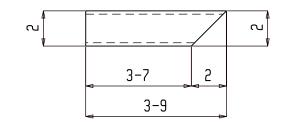
ONE HSS2x2x<sup>3</sup>/<sub>16</sub>x3-9 t232

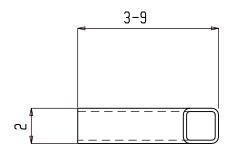
GRADE: A500B

NO PAINT

	1	1	HR103	
For Fabrication		QTY	ASSY	

HOLES U.N. 13/<sub>16</sub>Ø DR. BY: PKM CHK. BY: ALN JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV ALN 07-21-22 For Fabrication  $\bigcirc$ DESCRIPTION: HSS 460 t232 DESCRIPTION DATE





ONE  $HSS2 \times 2 \times \frac{3}{16} \times 3 - 9 + t233$ 

GRADE: A500B

NO PAINT

For Fabrication 1 HR103 QTY ASSY

HOLES U.N. 13/16Ø

For Fabrication

DESCRIPTION

DESCRIPTION

BY DATE

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

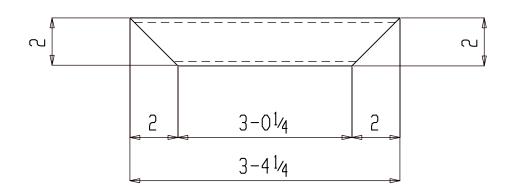
DR. BY: PKM CHK. BY: ALN
SCALE: N.A.

DATE: 05-26-22

JOB NUMBER SHEET NO. REV

t233

DESCRIPTION: HSS 460



2  $HSS4x2x^{3}/16x3-4^{1}/4$  t240

GRADE: A500B

#### SHOP NOTE:

For Fabrication

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

DESCRIPTION

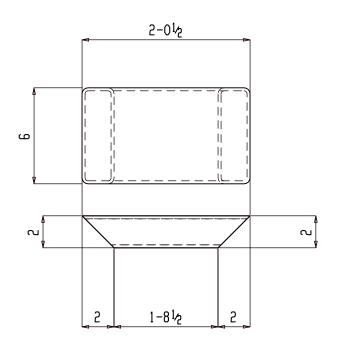
# NO PAINT

For Fabrication

HOLES U.N. 13/<sub>16</sub>Ø PKM CHK. BY: ALN NAPASKIAK POWER SYSTEM UPGRADE DR. BY: JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV 07-21-22 **DESCRIPTION:** HSS 460 t240

FR109

**ASSY** 



4  $HSS6x2x^{3}/16x2-0^{1}/2$  t255

GRADE: A500B

#### SHOP NOTE:

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



For Fabrication

DESCRIPTION:

4 FR112 QTY ASSY

CHK. BY: ALN

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

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

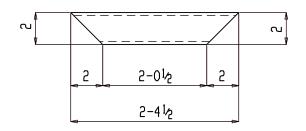
CONTRACTOR: ALASKA ENERGY AUTHORITY

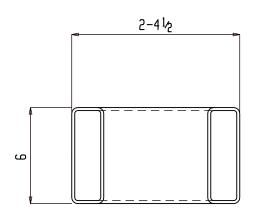
**ANGLE** 

| SCALE: N.A. | DATE: 05-26-22 | JOB NUMBER | SHEET NO. | REV | 460 | t255 | O

PKM

DR. BY:





8  $HSS6 \times 2 \times \frac{3}{16} \times 2 - 4\frac{1}{2}$  t275

GRADE: A500B

# NO PAINT

#### SHOP NOTE:

For Fabrication

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

For Fabrication

8 FR112 QTY ASSY

			_
	ALN	07-21-22	_
PESCRIPTION	RV	DATE	

HOLES U.N. 13/16Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

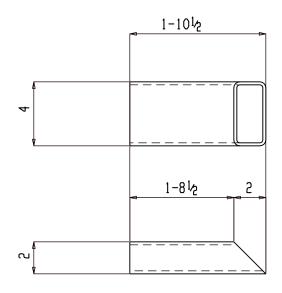
CONTRACTOR: ALASKA ENERGY AUTHORITY

DR. BY: PKM CHK. BY: ALN SCALE: N.A.

DATE: 05-26-22

JOB NUMBER SHEET NO. REV

DESCRIPTION: HSS 460 t275



6  $HSS4 \times 2 \times \frac{3}{16} \times 1 - 10\frac{1}{2}$  t278

GRADE: A500B

# NO PAINT

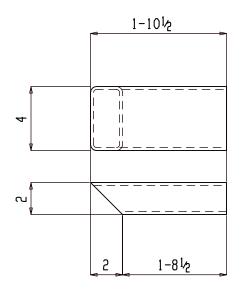
#### SHOP NOTE:

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

For Fabrication

3 FR111 3 FR110 QTY ASSY

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					•	T				
$\vdash \leftarrow$				∮ JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM	CHK. BY:	ALN	
							SCALE: N.A.			
				LOCATION: ALASKA		SOALL. N.A.				
$\vdash \leftarrow$				1		DATE: 05-26-22				
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	JOB NUMBER		EET NO.	REV	
	For Fabrication	ALN	07-21-22			JOB NOWBER			I \L V	
REV.			DATE	DESCRIPTION:	HSS	460	l ť	278	. /o\ I	
IK⊑V.	DESCRIPTION	BY	DATE	====:::: 11011:	1100					



3  $HSS4x2x^{3}/16x1-10^{1}/2$  t280

GRADE: A500B

#### SHOP NOTE:

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

NO PAINT

For Fabrication 3 FR110 QTY ASSY

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

CONTRACTOR: ALASKA ENERGY AUTHORITY

DATE DESCRIPTION: HSS

DR. BY: PKM CHK. BY: ALN SCALE: N.A.

DATE: 05-26-22

JOB NUMBER SHEET NO. REV

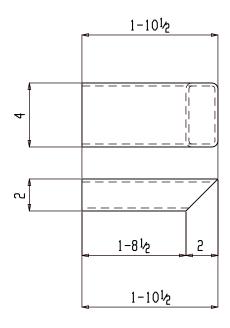
t280

460

For Fabrication

DESCRIPTION

BY DATE



3  $HSS4x2x^{3}/16x1-10^{1}/2$  t281

GRADE: A500B

#### SHOP NOTE:

For Fabrication

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

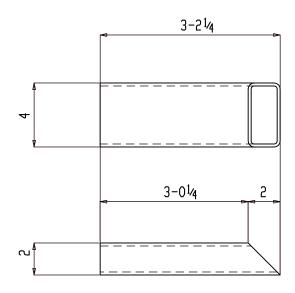
DESCRIPTION

## NO PAINT

ALN

For Fabrication 3 FR111 QTY ASSY

HOLES U.N. 13/<sub>16</sub>Ø CHK. BY: ALN PKM NAPASKIAK POWER SYSTEM UPGRADE DR. BY: JOB NAME: SCALE: N.A. LOCATION: ALASKA DATE: 05-26-22 CONTRACTOR: ALASKA ENERGY AUTHORITY JOB NUMBER REV 07-21-22 **DESCRIPTION:** HSS  $\wedge$ 460 t281 DATE



ONE  $HSS4 \times 2 \times \frac{3}{16} \times 3 - 2\frac{1}{4}$  t289

GRADE: A500B

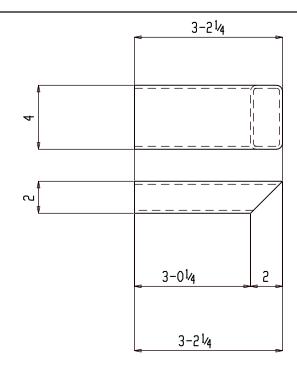
NO PAINT

#### SHOP NOTE:

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

	٦ - ا	1	FR107
For Fabrication		QTY	ASSY

F				HOLES U.N. 13/ <sub>16</sub> Ø						
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY: P	PKM CHK. BY:	ALN		
				LOCATION:			SCALE: N.A.			
				4	ALASKA ENERGY AUTHORITY	DATE: 05-26				
	For Fabrication	ΔΙΝ	07-21-22	CONTRACTOR.	ALASKA ENERGI AUTHORITI	JOB NUMBER	SHEET NO.	REV		
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t289			



ONE  $HSS4x2x^{3}/_{16}x3-2^{1}/_{4}$  t290

GRADE: A500B

NO PAINT

#### SHOP NOTE:

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

For Fabrication

FR107 QTY **ASSY** 

CHK. BY: ALN

HOLES U.N.	<sup>13</sup> / <sub>16</sub> Ø
JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE
LOCATION:	ALASKA

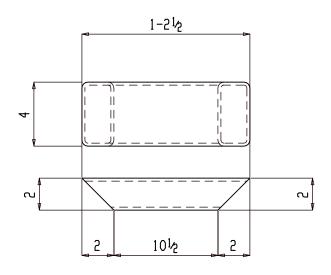
SCALE: N.A.

DR. BY: PKM

CONTRACTOR: ALASKA ENERGY AUTHORITY **DESCRIPTION:** HSS

DATE: 05-26-22 JOB NUMBER REV 460 t290

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



3  $HSS4 \times 2 \times \frac{3}{16} \times 1 - 2\frac{1}{2}$  t298

GRADE: A500B

#### SHOP NOTE:

For Fabrication

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

DESCRIPTION

For Fabrication

FR108 **ASSY** 

CHK. BY: ALN

	JOB NAME:
	LOCATION:
	CONTRACTOR:
07-21-22	DESCRIPTION:
l DATE	DESCRIPTION.

ALN

HOLES U.N.

13/<sub>16</sub>Ø

NAPASKIAK POWER SYSTEM UPGRADE ALASKA

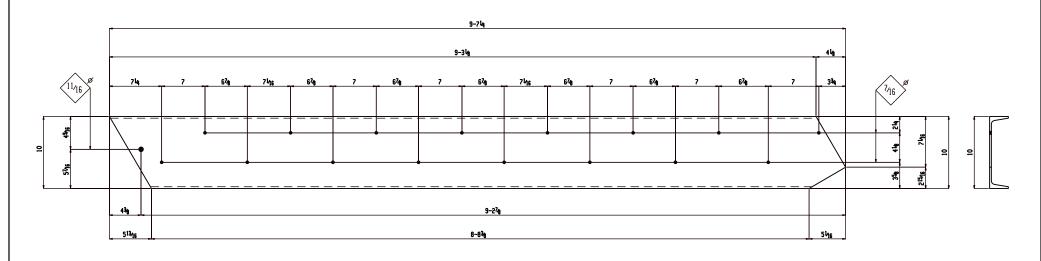
DR. BY: SCALE: N.A.

DATE: 05-26-22 JOB NUMBER

PKM

R: ALASKA ENERGY AUTHORITY

REV HSS 460 t298

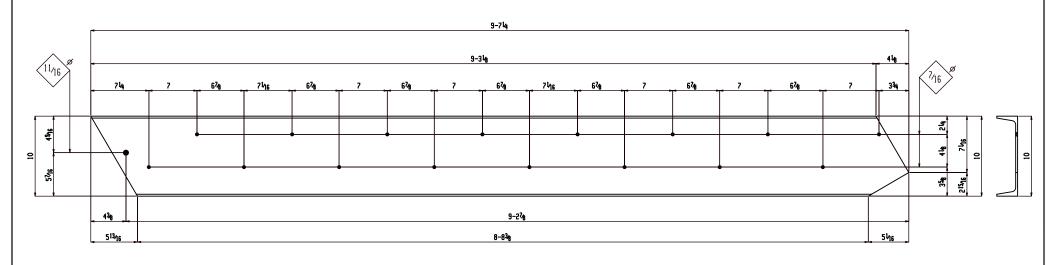


ONE C10x15.3x9-74 t325

GRADE: A36

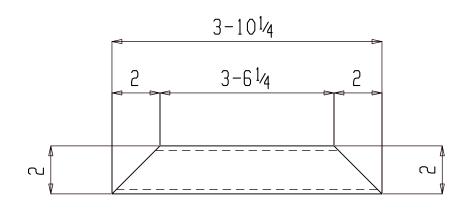
NO PAINT

					1		1	S101
			For Fabrica	ation			QTY	ASSY
								·
			HOLES U.N. 13/					
$\wedge$			10/	16Ø				
$\triangle$			JOB NAME:	NAPASKIAK POWER	SYSTEM UPGRADE	DR. BY:	PKM CHK.	BY: ALN
$\frac{\triangle}{\wedge}$			LOCATION:	ALASKA		SCALE: N.A	١.	
			4			DATE: 05-2	26-22	
	4		CONTRACTOR:	ALASKA ENERGY AU	THORITY	JOB NUMBER	SHEET NO.	REV
<u> </u>	ALN		DESCRIPTION:	CHANNEL		460	t325	
REV. DESCRIPTION	BY	DATE	DECORA HON.	OI I/ II VI VLL		100	1020	70



### ONE C10x15.3x9-74 t326 GRADE: A36

							1	S101
			For Fabrica	ation			QTY	ASSY
							<b>'</b>	
			HOLES U.N. 137	~				
			13/	16Ø				
	+		JOB NAME:	NAPASKIAK POWER	SYSTEM UPGRADE	DR. BY:	KM CHK.	BY: ALN
	++		LOCATION:	ALASKA		SCALE: N.A.		
	+					DATE: 05-26	-22	-
	1		CONTRACTOR:	ALASKA ENERGY AU	THORITY	JOB NUMBER	SHEET NO	). REV
✓o     For Fabrication       REV.     DESCRIPTION			DESCRIPTION:	CHANNEL		460	t326	
REV. DESCRIPTION	BY	DATE	DESCINIFITION.	CHAININEL		400	1320	



ONE  $HSS4x2x^{3}/16x3-10^{1}/4$  t328

GRADE: A500B

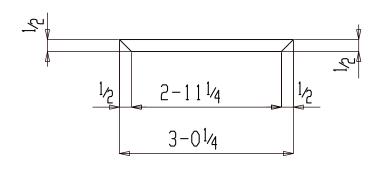
NO PAINT

#### SHOP NOTE:

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

	1	1	FR109
For Fabrication		QTY	ASSY

			HOLES U.N. 13/ <sub>16</sub> Ø						
A				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY:	ALN	
$\overline{}$				LOCATION:	ALASKA	SCALE: N.A.			
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
$\bigcirc$	For Fabrication	ALN	-	DESCRIPTION:		JOB NUMBER	SHEET NO.	REV	
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t328	<u> </u>	



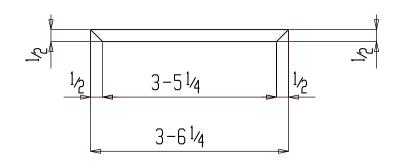
2 SB<sup>1</sup>/<sub>2</sub>x3-0<sup>1</sup>/<sub>4</sub> t335

GRADE: A36

## NO PAINT

For Fabrication 2 FR109
QTY ASSY

	<u> </u>		HOLECH N 40						
L				HOLES U.N. 13/	16Ø				
				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY:	: ALN	
						SCALE: N.A.			
				LOCATION:	ALASKA				
				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22			
	Tay Takwington	ALN	07-21-22	CONTRACTOR.	ALAGINA LINLINGT AUTHORITT	JOB NUMBER	SHEET NO.	REV	
	For Fabrication		-	DESCRIPTION:	SQUARE BAR	460	+225		
I REV.	DESCRIPTION	BY	DATE	DESCRIPTION.	SQUARE DAR	460	t335	\( \frac{1}{2} \)	



2 SB<sup>1</sup>/<sub>2</sub>x3-6<sup>1</sup>/<sub>4</sub> t336

GRADE: A36

NO PAINT

For Fabrication 2 FR109 QTY ASSY

HOLES U.N. 13/<sub>16</sub>Ø

JOB NAME: NAPASKIAK POWER SYSTEM UPGRADE LOCATION: ALASKA

07-21-22

For Fabrication

DESCRIPTION

CONTRACTOR: ALASKA ENERGY AUTHORITY
DESCRIPTION: SQUARE BAR

 DATE:
 05-26-22

 JOB NUMBER
 SHEET NO.
 REV

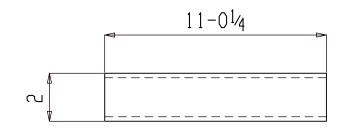
 460
 t336
 ♠

CHK. BY: ALN

PKM

DR. BY:

SCALE: N.A.



ONE  $HSS4x2x3_{16}x11-01_{4}$  t337

GRADE: A500B

# NO PAINT

For Fabrication

FR106

				HOLES U.N. 13/	16Ø			
$\triangle$				JOB NAME:	NAPASKIAK POWER SYSTEM UPGRADE	DR. BY:	PKM CHK. BY:	ALN
$\overline{\wedge}$				LOCATION:	ALASKA	SCALE: N.A.	·	
$\overline{\wedge}$				CONTRACTOR:	ALASKA ENERGY AUTHORITY	DATE: 05-26-22		
	For Fabrication	ΔΙΝΙ	07-21-22	CONTINACTOR.	ALASKA LIVLIKOT AUTTOKITT	JOB NUMBER	SHEET NO.	REV
REV.	DESCRIPTION	BY	DATE	DESCRIPTION:	HSS	460	t337	