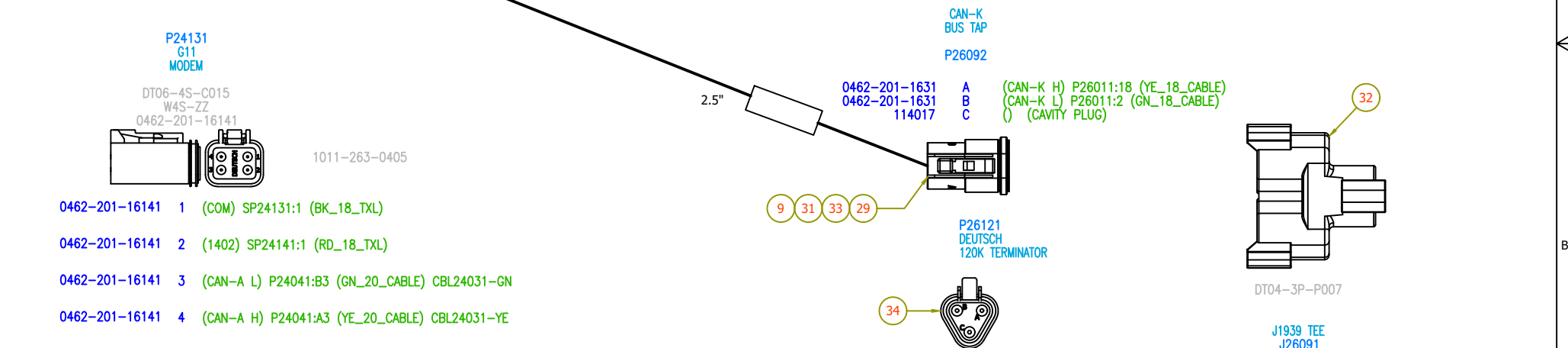


12077411/15324982	1	(ESTOP) J24001:H (OG_18_TXL)
12010300	2	() (CAVITY PLUG)
12077411/15324982	3	(1402) SP28091:1 (RD_18_TXL)
12077411/15324982	4	(ESTOP-R) P25281:5 (OG_18_TXL)
12010300	5	() (CAVITY PLUG)
12077411/15324982	6	(1402) SP28091:1 (RD_18_TXL)
12077411/15324982	7	(4-2-43) P28021:43 (BU_18_TXL)
12077411/15324982	8	(ESTOP-J) P28131:11 (OG_18_TXL)
12010300	9	() (CAVITY PLUG)
12077411/15324982	10	(4-2-63) P28021:63 (BU_18_TXL)
12077411/15324982	11	(ESTOP-J) P28131:8 (OG_18_TXL)
12010300	12	() (CAVITY PLUG)



PRODUCTION TAG DETAILS: LABELS WILL CONTAIN THE FOLLOWING INFORMATION:

**ITEM DESC. LINE 1**  
**ITEM DESC. LINE 2**

**Part No. GSYYPPP-SSSS REV. R**  
**Serial No. YYDDD-BBB**  
**I.D. No. VVVVVV-WWWWWW-III**

1. ITEM DESC. LINE 1

2. ITEM DESC. LINE 2

3. GSYYPPP-SSSS REV. R

4. YYDDD-BBB

5. VVVVVV-WWWWWW-III

1.) FIRST LINE PRODUCT DESCRIPTION

2.) SECOND LINE PRODUCT DESCRIPTION

3.) YY --> PRODUCT YEAR; PPP --> PROJECT; SSSS --> SUB-PROJECT; R --> REVISION LEVEL

4.) YY --> YEAR OF MANUFACTURE; DDD--> SEQUENTIAL DAY OF YEAR; BBB --> SERIAL NUMBER WITHIN BATCH

5.) VVVVVV --> VENDOR ID or WWWWWW --> WORKER ID or III --> INITIALS

CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022		A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

WIRE ANNOTATION LEGEND:

(WIRE NO.), DESTINATION:TERMINAL (WIRE COLOR-GAUGE) CABLE NO. -TWISTED PAIR IF APPLICABLE

GENERAL HARNESS CONSTRUCTION:

- LABEL WIRES EVERY 4" USING HOT STAMP OR INKJET MARKING WITH WIRE NUMBER AS INDICATED
- TEST PER GS TEST PROCEDURE SPECIFIED IN THE AUDIT CHECKLIST
- HARNESS TO FOLLOW GENERAL PRACTICES OF IPC/WHMA-A-620B
- ALL WIRE IS TYPE TXL UNLESS OTHERWISE SPECIFIED
- APPLY SECONDARY LOCKS & SEALS WHERE APPLICABLE
- CONNECTOR VIEWS ARE WIRE INSERTION SIDE UNLESS OTHERWISE NOTED

- SUPPLIER TO APPLY LABELS TO ALL CONNECTORS DESIGNATED WITH J\*\*\*\*, P\*\*\*\*, OR OTHER CONNECTOR TAG AND INCLUDE THE NAME (EX. "P5201 LEFT JOYSTICK")
- IF WIRE TIES ARE REQUIRED, APPLY APPROXIMATELY 2" BEFORE TERMINATING CONNECTOR
- ALL"CANH-x" AND "CANL-x" WIRES SHALL BE TWISTED PAIR, 0.67 TO 0.91 TWISTS PER INCH (REFERENCE SAE J1939-15).
- SPLICES MUST BE SOLDERED OR ULTRASONIC WELDED. OFFSET SPLICES TO AVOID THICKNESS BUILD-UP.
- WIRE BRAIDING TO BE APPLIED TO HARNESS UP TO 2" FROM BACK OF CONNECTORS

RELEASED 12-21-2022

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	THIRD ANGLE PROJECTION
WIRE LENGTH TOLERANCES SPEC.= IPC/WHMA-A-620B	
≤ 1ft +1in -0in	
> 1ft-5ft +2in -0in	
> 5ft-10ft +4in -0in	
> 10ft-25ft +6in -0in	
> 25ft +5% -0%	
FRACTIONS ± 1/16in ± 1.59mm	
TOLERANCES ON DECIMALS:	
1 PLACE ± .030	2 PLACE ± .010
3 PLACE ± .005	
mm ± .76	± .25
ANGULAR DIMENSIONS ± 1 DEG	
DIMENSIONS IN ( ) ARE REFERENCE	
REMOVE BURRS	
BREAK EDGES 0.01IN 0.25MM MAX	
MAX SURFACE ROUGHNESS 125√	

ORIGINATED BY: RWESSEL	ORIGINATION DATE: 11-7-2022
PROJECT ENGINEER: BDELAAT	ACCOUNT MANAGER: MKAJA
MATERIAL: N/A	COATING/PLATING: N/A
CUSTOMER PART NUMBER:	

ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR: MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.	SHT SIZE: D	DRAWING NUMBER: 20088759	REV: A
	DRAWING REFERENCE: 20088759	PLOT SCALE: NONE	SHEET INFO: 2 OF 6

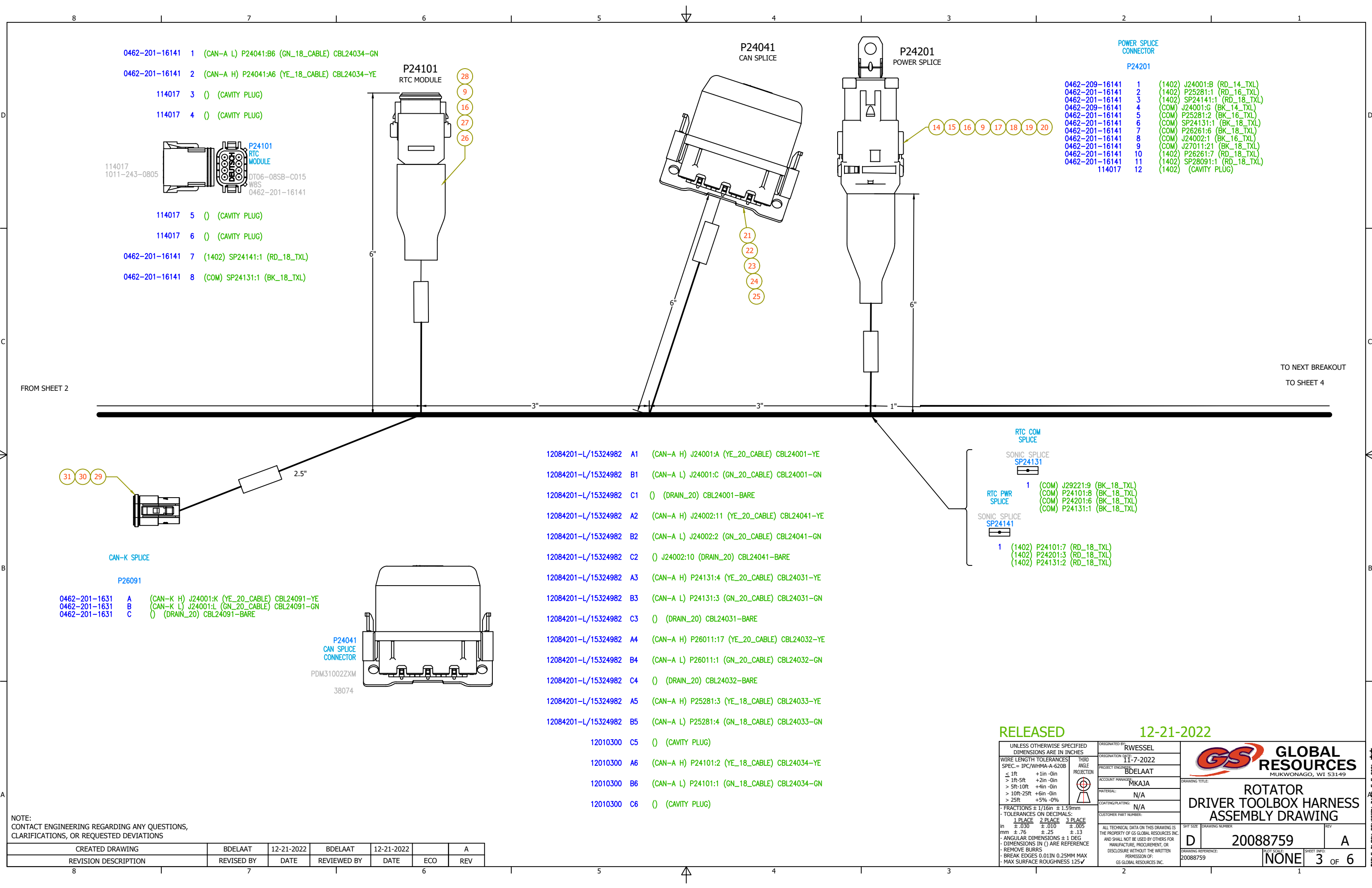
A

B

C

D

TITLE BLOCK REVISION DATE: 5-5-2021





NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022		A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

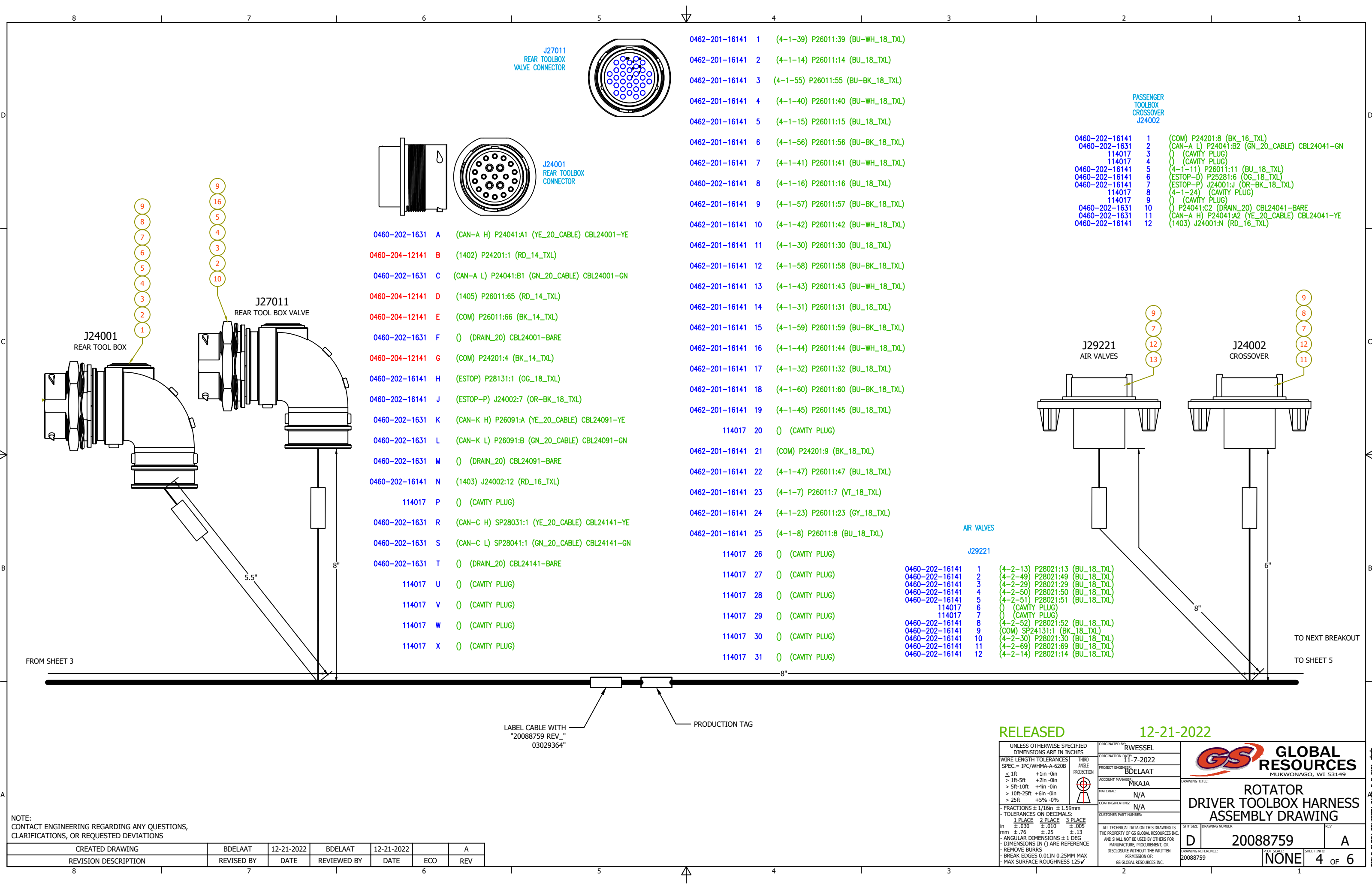
RELEASED

12-21-2022

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  WIRE LENGTH TOLERANCES SPEC. = IPC/WHMA-A-620B  ≤ 1ft +1in -0in > 1ft-5ft +2in -0in > 5ft-10ft +4in -0in > 10ft-25ft +6in -0in > 25ft +5% -0%  - FRACTIONS ± 1/16in ± 1.59mm - TOLERANCES ON DECIMALS: in ± .030 ± .010 ± .005 mm ± .76 ± .25 ± .13 - ANGULAR DIMENSIONS ± 1 DEG - DIMENSIONS IN ( ) ARE REFERENCE - REMOVE BURRS - BREAK EDGES 0.01IN 0.25MM MAX - MAX SURFACE ROUGHNESS 125√	ORIGINATED BY: RWESSEL		 <b>GLOBAL RESOURCES</b> MUKWONAGO, WI 53149
	ORIGINATION DATE: 11-7-2022		
	PROJECT ENGINEER: BDELAAT		
	ACCOUNT MANAGER: MKAJA		
THIRD ANGLE PROJECTION 	MATERIAL: N/A		DRAWING TITLE:  <b>ROTATOR DRIVER TOOLBOX HARNESS ASSEMBLY DRAWING</b>
	COATING/PLATING: N/A		
	CUSTOMER PART NUMBER:		
	ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.		
SHEET SIZE: D		DRAWING NUMBER: 20088759	REV: A
DRAWING REFERENCE: 20088759		PLOT SCALE: NONE	SHEET INFO: 3 OF 6

TITLE BLOCK REVISION DATE 5-5-2021 \*\*





NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

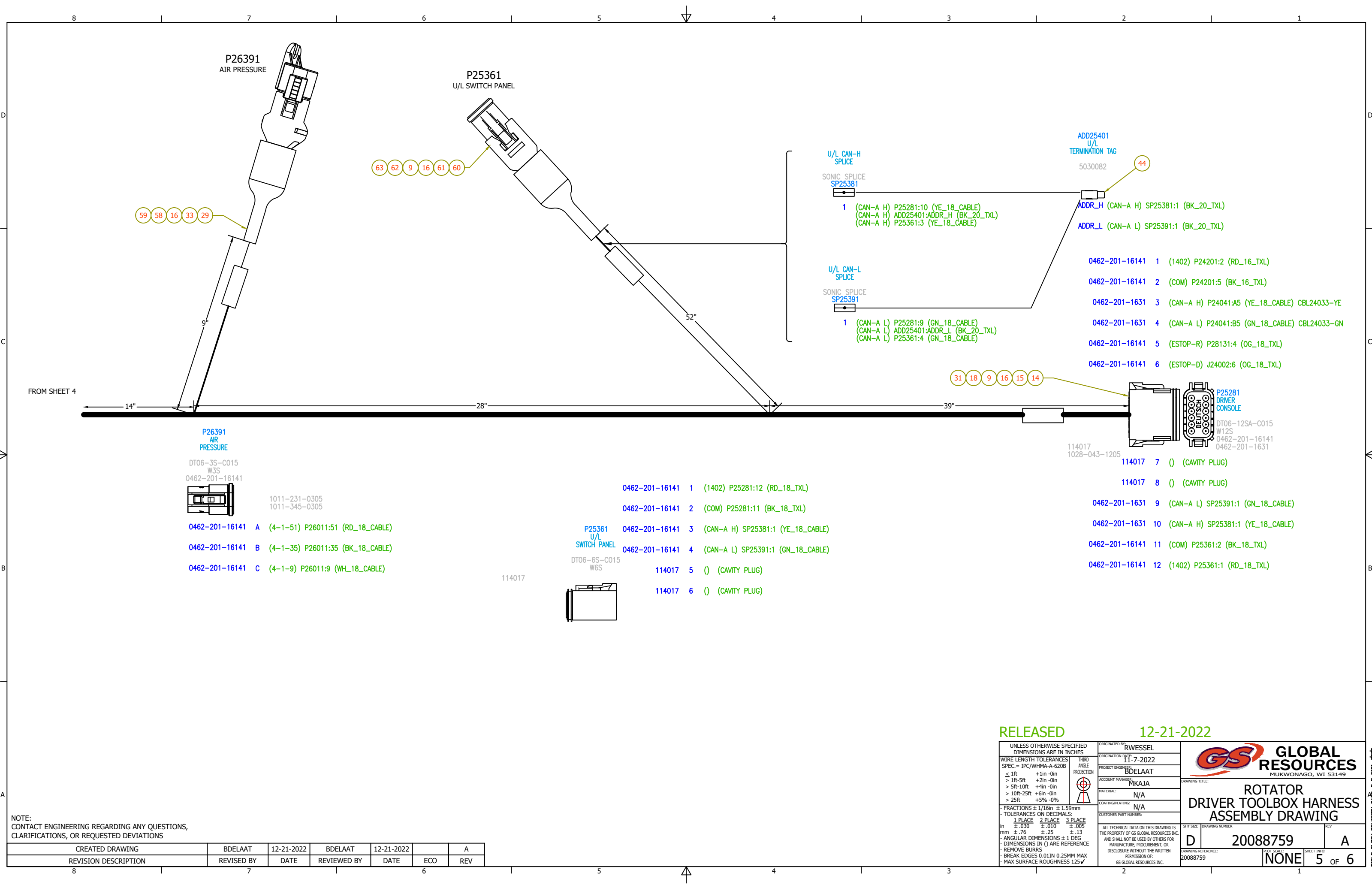
CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022		A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

RELEASED

12-21-2022

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ORIGINATED BY: RWESSEL		<div></div> <div><b>GLOBAL RESOURCES</b> MUKWONAGO, WI 53149</div>	
WIRE LENGTH TOLERANCES SPEC. = IPC/WHMA-A-620B		ORIGINATION DATE: 11-7-2022			
THIRD ANGLE PROJECTION		PROJECT ENGINEER: BDELAAT			
		ACCOUNT MANAGER: MKAJA			
≤ 1ft +1in -0in > 1ft-5ft +2in -0in > 5ft-10ft +4in -0in > 10ft-25ft +6in -0in > 25ft +5% -0%		MATERIAL: N/A		DRAWING TITLE: <b>ROTATOR DRIVER TOOLBOX HARNESS ASSEMBLY DRAWING</b>	
- FRACTIONS ± 1/16in ± 1.59mm - TOLERANCES ON DECIMALS: 1 PLACE 2 PLACE 3 PLACE in ± .030 ± .010 ± .005 mm ± .76 ± .25 ± .13		COATING/PLATING: N/A		DRAFTING: <b>D</b> DRAWING NUMBER: <b>20088759</b> REV: <b>A</b>	
- ANGULAR DIMENSIONS ± 1 DEG - DIMENSIONS IN ( ) ARE REFERENCE - REMOVE BURRS - BREAK EDGES 0.01IN 0.25MM MAX - MAX SURFACE ROUGHNESS 125✓		CUSTOMER PART NUMBER: N/A		DRAFTING REFERENCE: <b>20088759</b> PLOT SCALE: <b>NONE</b> SHEET INFO: <b>4 OF 6</b>	
		ALL TECHNICAL DATA ON THIS DRAWING IS THE PROPERTY OF GS GLOBAL RESOURCES INC. AND SHALL NOT BE USED BY OTHERS FOR: MANUFACTURE, PROCUREMENT, OR DISCLOSURE WITHOUT THE WRITTEN PERMISSION OF: GS GLOBAL RESOURCES INC.			

TITLE BLOCK REVISION DATE: 5-5-2021




NOTE:  
CONTACT ENGINEERING REGARDING ANY QUESTIONS,  
CLARIFICATIONS, OR REQUESTED DEVIATIONS

CREATED DRAWING	BDELAAT	12-21-2022	BDELAAT	12-21-2022		A
REVISION DESCRIPTION	REVISED BY	DATE	REVIEWED BY	DATE	ECO	REV

RELEASED

12-21-2022

<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</div> <div>WIRE LENGTH TOLERANCES SPEC. = IPC/WHMA-A-620B</div> <div>THIRD ANGLE PROJECTION</div> <div>FRACTIONS ± 1/16in ± 1.59mm</div> <div>TOLERANCES ON DECIMALS:</div> <div>1 PLACE 2 PLACE 3 PLACE</div> <div>in ± .030 ± .010 ± .005</div> <div>mm ± .76 ± .25 ± .13</div> <div>ANGULAR DIMENSIONS ± 1 DEG</div> <div>DIMENSIONS IN ( ) ARE REFERENCE</div> <div>REMOVE BURRS</div> <div>BREAK EDGES 0.01IN 0.25MM MAX</div> <div>MAX SURFACE ROUGHNESS 125√</div>	ORIGINATED BY: RWESSEL	<div> <b>GLOBAL RESOURCES</b> MUKWONAGO, WI 53149</div> <div>DRAWING TITLE: <b>ROTATOR DRIVER TOOLBOX HARNESS ASSEMBLY DRAWING</b></div> <div>DRAWING REFERENCE: 20088759</div> <div>PLOT SCALE: <b>NONE</b></div> <div>SHEET INFO: <b>5 OF 6</b></div>
	ORIGINATION DATE: 11-7-2022	
	PROJECT ENGINEER: BDELAAT	
	ACCOUNT MANAGER: MKAJA	
	MATERIAL: N/A	
COATING/PLATING: N/A		
CUSTOMER PART NUMBER:		

TITLE BLOCK REVISION DATE: 5-5-2021

8		7		6		5		4		3		2		1				
33467-0005		1	(CAN-C L) SP28041:1 (GN_18_CABLE) CBL28031-GN	34586-0001	38	()	(CAVITY PLUG)	33467-0005		1	(CAN-A L) P24041:B4 (GN_18_CABLE) CBL24032-GN	34586-0001	34	()	(CAVITY PLUG)			
34586-0001		2	()	(CAVITY PLUG)	34586-0001	39	()	(CAVITY PLUG)	33467-0005		2	(CAN-K L) P26092:B (GN_18_CABLE)	33467-0005	35	(4-1-35) P26391:B (BK_18_CABLE)			
34586-0001		3	()	(CAVITY PLUG)	34586-0001	40	()	(CAVITY PLUG)	33467-0005		3	(CAN-L L) P26261:2 (BU_20_CABLE)	34586-0001	36	()	(CAVITY PLUG)		
34586-0001		4	()	(CAVITY PLUG)	34586-0001	41	()	(CAVITY PLUG)	33467-0005		4	()	ADD26021:1 (BK_20_TXL)	34586-0001	37	()	(CAVITY PLUG)	
34586-0001		5	()	(CAVITY PLUG)	34586-0001	42	()	(CAVITY PLUG)	34586-0001		5	()	(CAVITY PLUG)	34586-0001	38	()	(CAVITY PLUG)	
34586-0001		6	()	(CAVITY PLUG)	33467-0005	43	(4-2-43) P28131:7 (BU_18_TXL)	34586-0001		6	()	(CAVITY PLUG)	33467-0005	39	(4-1-39) J27011:1 (BU-WH_18_TXL)	D		
34586-0001		7	()	(CAVITY PLUG)	34586-0001	44	()	(CAVITY PLUG)	33467-0005		7	(4-1-7) J27011:23 (VT_18_TXL)	33467-0005	40	(4-1-40) J27011:4 (BU-WH_18_TXL)			
34586-0001		8	()	(CAVITY PLUG)	34586-0001	45	()	(CAVITY PLUG)	33467-0005		8	(4-1-8) J27011:25 (BU_18_TXL)	33467-0005	41	(4-1-41) J27011:7 (BU-WH_18_TXL)	C		
34586-0001		9	()	(CAVITY PLUG)	34586-0001	46	()	(CAVITY PLUG)	33467-0005		9	(4-1-9) P26391:C (WH_18_CABLE)	33467-0005	42	(4-1-42) J27011:10 (BU-WH_18_TXL)			
34586-0001		10	()	(CAVITY PLUG)	34586-0001	47	()	(CAVITY PLUG)	33467-0005		10	(4-1-10) P26261:11 (BU_18_TXL)	33467-0005	43	(4-1-43) J27011:13 (BU-WH_18_TXL)	B		
34586-0001		11	()	(CAVITY PLUG)	34586-0001	48	()	(CAVITY PLUG)	33467-0005		11	(4-1-11) J24002:5 (BU_18_TXL)	33467-0005	44	(4-1-44) J27011:16 (BU-WH_18_TXL)			
34586-0001		12	()	(CAVITY PLUG)	33467-0005	49	(4-2-49) J29221:2 (BU_18_TXL)	34586-0001		12	()	(CAVITY PLUG)	33467-0005	45	(4-1-45) J27011:19 (BU_18_TXL)	A		
33467-0005		13	(4-2-13) J29221:1 (BU_18_TXL)	33467-0005	50	(4-2-50) J29221:4 (BU_18_TXL)	34586-0001		13	()	(CAVITY PLUG)	34586-0001	46	()	(CAVITY PLUG)			
33467-0005		14	(4-2-14) J29221:12 (BU_18_TXL)	33467-0005	51	(4-2-51) J29221:5 (BU_18_TXL)	33467-0005		14	(4-1-14) J27011:2 (BU_18_TXL)	33467-0005	47	(4-1-47) J27011:22 (BU_18_TXL)	34586-0001		48	()	(CAVITY PLUG)
34586-0001		15	()	(CAVITY PLUG)	33467-0005	52	(4-2-52) J29221:8 (BU_18_TXL)	33467-0005		15	(4-1-15) J27011:5 (BU_18_TXL)	34586-0001	48	()	(CAVITY PLUG)	D		
34586-0001		16	()	(CAVITY PLUG)	34586-0001	53	()	(CAVITY PLUG)	33467-0005		16	(4-1-16) J27011:8 (BU_18_TXL)	34586-0001	49	()		(CAVITY PLUG)	
33467-0005		17	(CAN-C H) SP28031:1 (YE_18_CABLE) CBL28031-YE	34586-0001	54	()	(CAVITY PLUG)	33467-0005		17	(CAN-A H) P24041:A4 (YE_18_CABLE) CBL24032-YE	34586-0001	50	()	(CAVITY PLUG)	C		
34586-0001		18	()	(CAVITY PLUG)	34586-0001	55	()	(CAVITY PLUG)	33467-0005		18	(CAN-K H) P26092:A (YE_18_CABLE)	33467-0005	51	(4-1-51) P26391:A (RD_18_CABLE)			
34586-0001		19	()	(CAVITY PLUG)	34586-0001	56	()	(CAVITY PLUG)	33467-0005		19	(CAN-L H) P26261:1 (WH_20_CABLE)	34586-0001	52	()	(CAVITY PLUG)	B	
34586-0001		20	()	(CAVITY PLUG)	34586-0001	57	()	(CAVITY PLUG)	33467-0005		20	()	ADD26021:2 (BK_20_TXL)	34586-0001	53	()		(CAVITY PLUG)
34586-0001		21	()	(CAVITY PLUG)	34586-0001	58	()	(CAVITY PLUG)	34586-0001		21	()	(CAVITY PLUG)	34586-0001	54	()	(CAVITY PLUG)	A
34586-0001		22	()	(CAVITY PLUG)	34586-0001	59	()	(CAVITY PLUG)	34586-0001		22	()	(CAVITY PLUG)	33467-0005	55	(4-1-55) J27011:3 (BU-BK_18_TXL)		
34586-0001		23	()	(CAVITY PLUG)	34586-0001	60	()	(CAVITY PLUG)	33467-0005		23	(4-1-23) J27011:24 (GY_18_TXL)	33467-0005	56	(4-1-56) J27011:6 (BU-BK_18_TXL)	D		
34586-0001		24	()	(CAVITY PLUG)	34586-0001	61	()	(CAVITY PLUG)	34586-0001		24	()	(CAVITY PLUG)	33467-0005	57		(4-1-57) J27011:9 (BU-BK_18_TXL)	
34586-0001		25	()	(CAVITY PLUG)	34586-0001	62	()	(CAVITY PLUG)	34586-0001		25	()	(CAVITY PLUG)	33467-0005	58	(4-1-58) J27011:12 (BU-BK_18_TXL)	C	
34586-0001		26	()	(CAVITY PLUG)	33467-0005	63	(4-2-63) P28131:10 (BU_18_TXL)	34586-0001		26	()	(CAVITY PLUG)	33467-0005	59	(4-1-59) J27011:15 (BU-BK_18_TXL)			
34586-0001		27	()	(CAVITY PLUG)	34586-0001	64	()	(CAVITY PLUG)	34586-0001		27	()	(CAVITY PLUG)	33467-0005	60	(4-1-60) J27011:18 (BU-BK_18_TXL)	B	
34586-0001		28	()	(CAVITY PLUG)	34586-0001	65	()	(CAVITY PLUG)	34586-0001		28	()	(CAVITY PLUG)	34586-0001	61	()		(CAVITY PLUG)
33467-0005		29	(4-2-29) J29221:3 (BU_18_TXL)	34586-0001	66	()	(CAVITY PLUG)	34586-0001		29	()	(CAVITY PLUG)	34586-0001	62	()	(CAVITY PLUG)	A	
33467-0005		30	(4-2-30) J29221:10 (BU_18_TXL)	34586-0001	67	()	(CAVITY PLUG)	33467-0005		30	(4-1-30) J27011:11 (BU_18_TXL)	34586-0001	63	()	(CAVITY PLUG)			
34586-0001		31	()	(CAVITY PLUG)	34586-0001	68	()	(CAVITY PLUG)	33467-0005		31	(4-1-31) J27011:14 (BU_18_TXL)	34586-0001	64	()	(CAVITY PLUG)	D	
34586-0001		32	()	(CAVITY PLUG)	33467-0005	69	(4-2-69) J29221:11 (BU_18_TXL)	33467-0005		32	(4-1-32) J27011:17 (BU_18_TXL)	7116-4152-02	65	(1405) J24001:D (RD_14_TXL)				
34586-0001		33	()	(CAVITY PLUG)	34586-0001	70	()	(CAVITY PLUG)	34586-0001		33	()	(CAVITY PLUG)	7116-4152-02	66	(COM) J24001:E (BK_14_TXL)	C	
34586-0001		34	()	(CAVITY PLUG)	34586-0001	71	()	(CAVITY PLUG)	34586-0001									
34586-0001		35	()	(CAVITY PLUG)	34586-0001	72	()	(CAVITY PLUG)	34586-0001							B		
34586-0001		36	()	(CAVITY PLUG)	7158-3114-90	73	()	(CAVITY PLUG)	34586-0001									
34586-0001		37	()	(CAVITY PLUG)					34586-0001							A		
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