



CONSTELLATION USERS GUIDE

CHIEF'S LIMITED ONE-YEAR WARRANTY & LIABILITY

Chief Automotive Technologies warrants for one year from the date of installation and/or purchase any of its products which do not perform satisfactorily due to defect caused by faulty material or workmanship. Chief's obligation under this warranty is limited to the repair or replacement of products which are defective and which have not been misused, carelessly handled, or defaced by repairs made or attempted by others.

CHIEF AUTOMOTIVE TECHNOLOGIES DOES NOT ASSUME RESPONSIBILITY FOR ANY DEATH, INJURY OR PROPERTY DAMAGE RESULTING FROM THE OPERATOR'S NEGLIGENCE OR MISUSE OF THIS PRODUCT OR ITS ATTACHMENTS. CHIEF MAKES NO WRITTEN, EXPRESS OR IMPLIED WARRANTY WHATSOEVER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE REGARDING THE EQUIPMENT OR ANY PART OF THE PRODUCT OTHER THAN THE LIMITED ONE-YEAR WARRANTY STATED ABOVE.

Site Requirements VHSS

Unloading:

- *Place Vehicle and trailer on solid level parking area.
- *Set vehicle parking brake.
- *Secure trailer with wheel chocks provided.
- *Carefully open trailer ramp door, as load may shifted.
- *Always keep ramp door clear of debris and weather elements.

Bay location:

- *Recommend bay size for rig: 20ft wide x 40ft long x 11ft high
- *Recommend bay size for tent: 30ft wide x 42ft long x 16ft high
- *Floor surface: Do Not use on asphalt, only clean, smooth, hard concrete surface.
- *Floor pitch: Maximum allowed floor slope is 1/8" per foot
- *Electrical Requirements: Use, separate 15A-120V circuit for each power strip. Only use 2-100ft power cords provided, (1) 100ft power cord per power strip.
- *Electrical Connections: Follow Drawing #WD102 for Power Strip connection and all electrical device connections.

OPERATING CONDITIONS: Rig is not intended for outdoor use or storage and has an operating ambient temperature range of 41°-104°F (5°-40°C). This product is intended for indoor use only in a dry location.

LIFT LOCKOUT/TAGOUT PROCEDURE

Purpose

This procedure establishes the minimum requirements for the lockout of energy that could cause injury to personnel by the operation of equipment in need of repair or being serviced. All employees shall comply with this procedure.

Responsibility

The responsibility for assuring that this procedure is followed is binding upon all employees and service personnel from outside service companies (i.e., Authorized Installers, contactors, etc.). All employees shall be instructed in the safety significance of the lockout procedure by the facility owner/manager. Each new or transferred employee along with visiting outside service personnel shall be instructed by the owner/manager (or assigned designee) in the purpose and use of the lockout procedure.

Preparation

Employees authorized to perform lockout shall ensure that the appropriate energy isolating device (i.e., circuit breaker, fuse, disconnect, etc.) is identified for the lift being locked out. Other such devices for other equipment may be located in proximity of the appropriate energy isolating device. If the identity of the device is in question, see the shop supervisor for resolution. Assure that proper authorization is received prior to performing the lockout procedure.

Sequence of Lockout Procedure

- 1) Notify all affected employees that a lockout is being performed and the reason for it.
- 2) Unload the subject equipment. Shut it down and assure the disconnect switch is "OFF" if one is provided.
- 3) The authorized lockout person operates the main energy isolation device removing power to the subject lift.
 - If this is a lockable device, the authorized lockout person places the assigned padlock on the device to prevent its unintentional reactivation. An appropriate tag is applied stating the person's name, at least 3" x 6" in size, an easily noticeable color, and states not to operate device or remove tag.
 - If this device is a non-lockable circuit breaker or fuse, replace with a "dummy" device and tag it appropriately as mentioned above.
- 4) Attempt to operate equipment to assure the lockout is working. Be sure to return any switches to the "OFF" position.
- 5) The equipment is now locked out and ready for the required maintenance or service.

Restoring Equipment to Service

- 1) Assure the work on the equipment is complete and the area is clear of tools, vehicles, and personnel.
- 2) At this point, the authorized person can remove the lock (or dummy circuit breaker or fuse) & tag and activate the energy isolating device so that the equipment may again be placed into operation.

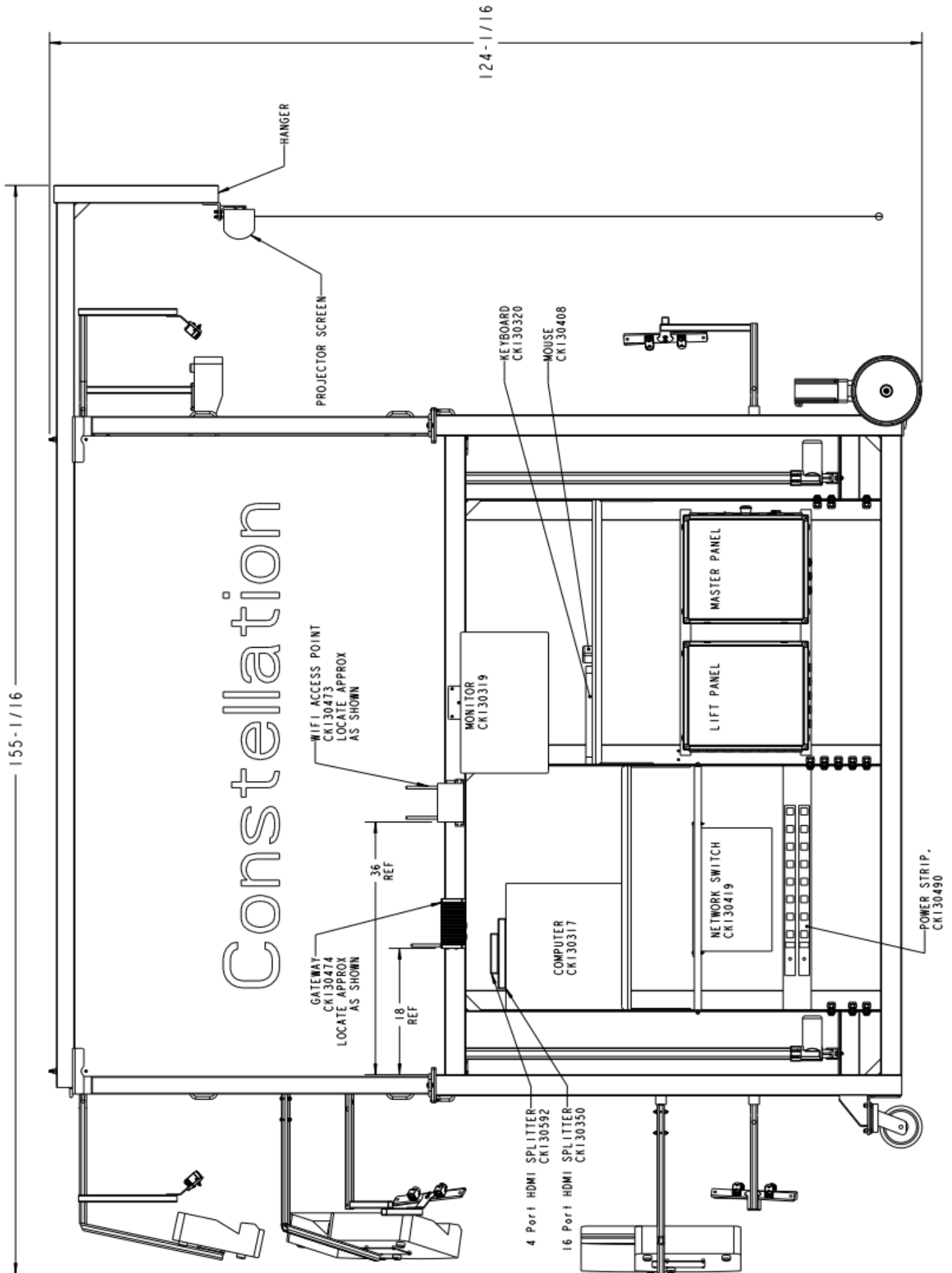
Rules for Using Lockout Procedure

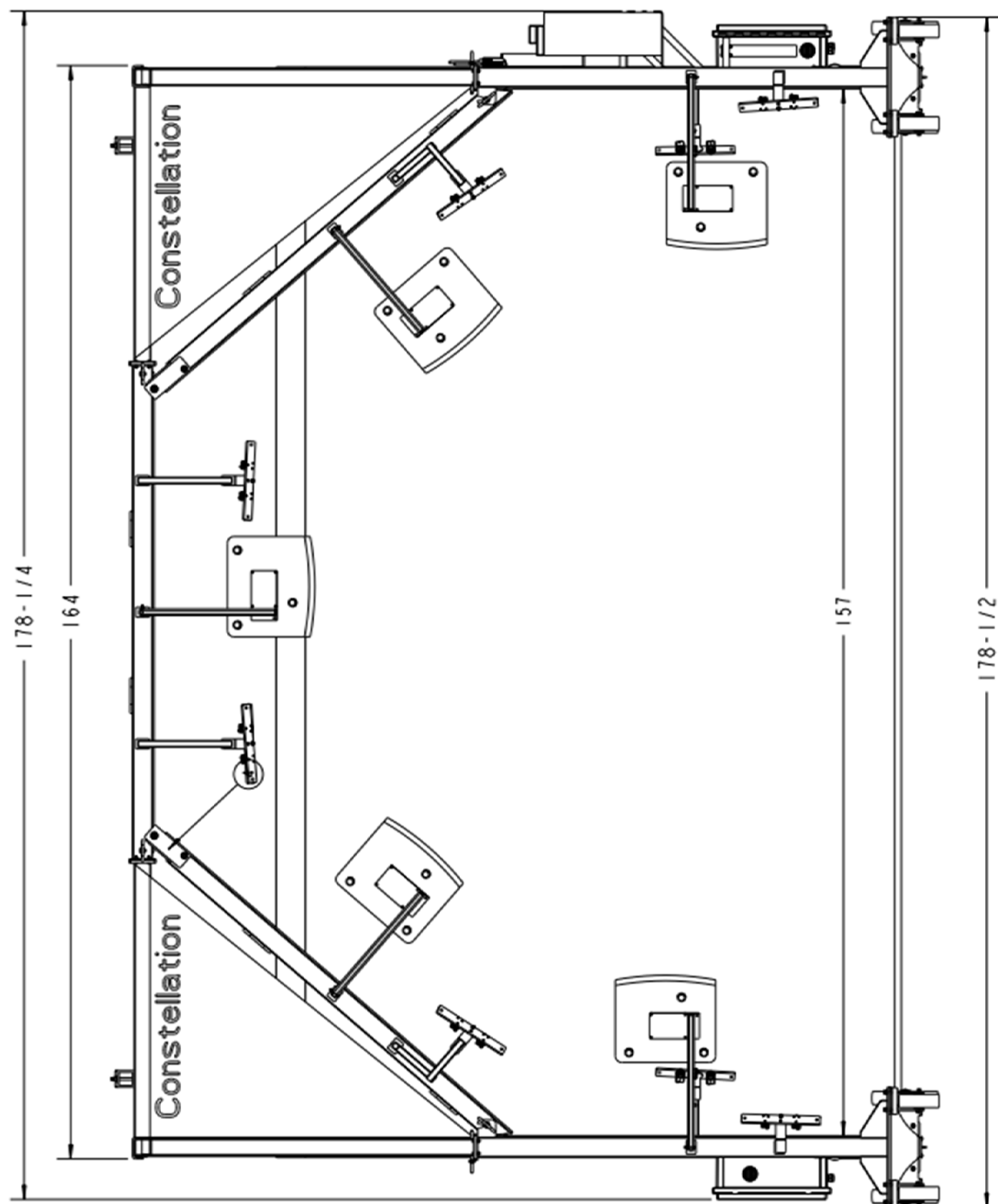
Use the Lockout Procedure whenever the lift is being repaired or serviced, waiting for repair when current operation could cause possible injury to personnel, or for any other situation when unintentional operation could injure personnel. No attempt shall be made to operate the equipment when the energy isolating device is locked out.

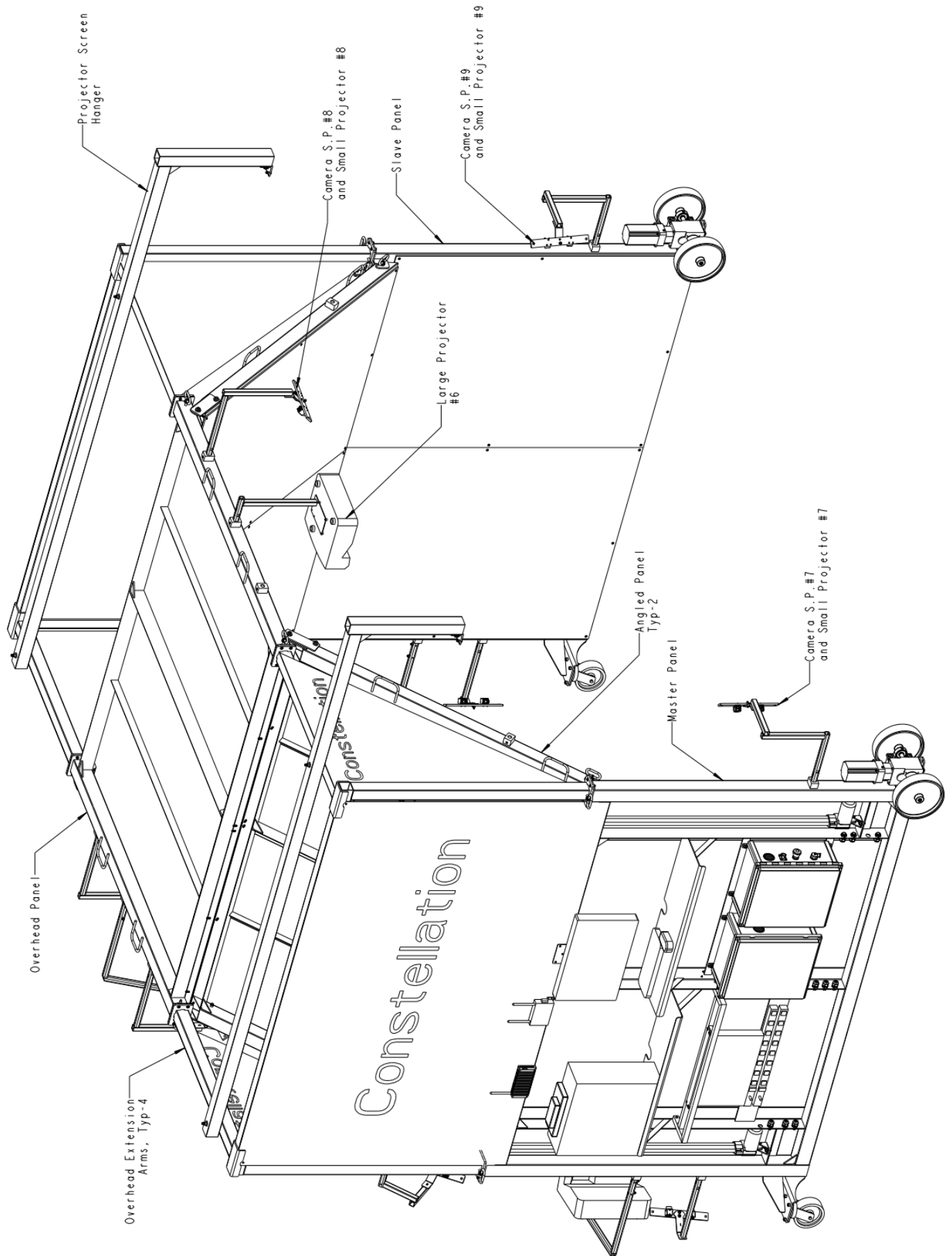
SAFETY INSTRUCTIONS

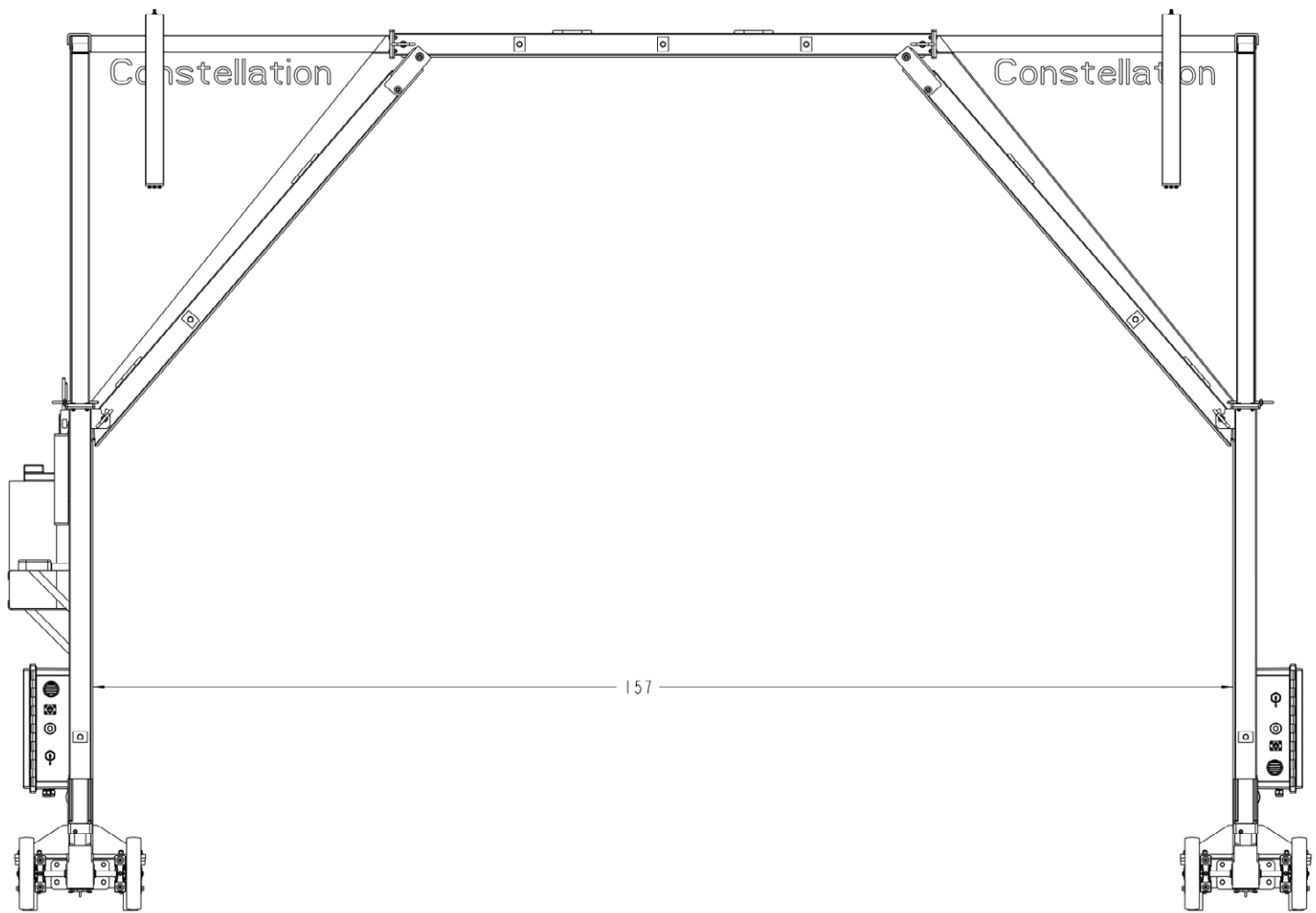
- *Inspect your Rig daily. Never operate if it malfunctions or if it has broken or damaged parts. Use only qualified Genuine OEM Parts to make repairs.
 - *Thoroughly train all employees in use and care of Rig, using manufacturer's instructions supplied.
 - * Never allow unauthorized or untrained persons to position vehicle or operate Rig.
 - *Prohibit unauthorized persons from being in shop area while Rig is in use.
 - ***DO NOT** permit anyone inside vehicle when it is being used for Scanning.
 - *Never run over cords.
 - *Always inspect power cords and grounding lugs.
 - *Never use power cord if grounding lugs has been altered or removed.
 - *Always keep area in and around Rig free of tools, debris.
 - *Always confirm vehicle size to be scanned, Scan only cars and Light trucks, subject to changes with lift kits, etc.
 - * Keep vehicle centered between Rig panels. **DO NOT** hit or run into Rig, Projector arm/Camera Arms. This could damage Rig or vehicle. Before driving vehicle into area, position Rig to provide unobstructed entrance onto bay area.
 - *Always set Parking Brake before existing vehicle.
 - *Remain clear of Rig and vehicle when scanning.
 - *Confirm Projector Screen has been raised before returning Rig to home position.
 - * Position Rig to home providing an unobstructed exit before removing vehicle from bay area.
 - ***DO NOT** perform any maintenance on the control panels until the power has been shut off to the Rig.
 - ***DO NOT** operate equipment with a damaged cord or if any part of the equipment has been dropped or damaged.
 - *Always lower panels onto orange locking Pins provided.
 - * Confirm all E-stops work before operating lift.
 - *Only use Generator provided with Rig, Generator must be placed outside in well ventilated area.
 - *Generator includes Ground fault system, only use Flat Generator Extension cord provided. 125V Twist -Lock Plug (L14-30P) to (4x) 5-20R 125V Receptacles.
 - ***WARNING**, permit only trained personnel to operate Rig. After reviewing these instructions, become familiar with the controls by running the Rig through a few cycles before Scanning a vehicle. Always Observe and heed **SAFETY** and **WARNINGS**.
 - ***WARNING**, This Rig has internal arcing or sparking parts. To minimize the Risk of Explosion, **DO NOT** expose to flammable vapors.
- DO NOT** use Rig in a manner other than intended. Included (but not limited to) examples of unapproved uses of the Rig are operating on incorrect floor surface, to small area, incorrect voltage or electrical source.

Rig Components









*Place Master Panel in left side of bay.

*Place Slave Panel in right side of bay, space Slave Panel approx. 157" as shown.

*Place Overhead panel in center of bay, placed on tool cart. Insert (4) Overhead extension arms into ends of overhead panel. Place orange lock pin to locate correct spacing.

*Two persons required, hoist overhead panel and extension arms, place onto Master panel and Slave panel corners.

*Use 3/8-16 x 3-1/2" BHCS to attach Overhead extension arms to Master Panel and Slave Panel at each of the four corners.

*Hang LH angled panel to overhead panel and allow it to hang, standing vertical.

*Hang RH angled panel to overhead panel and allow it to hang, standing vertical.

*Assemble Large Projector to arms. Attach large projector and arms to Rig using clevis pins provided in correct order as shown in previous illustrations. Number 1-5 across the front from left to right and number 6 centered in the rear.

*Assemble camera rail to camera arms, by matching numbers of rails to arms. NOTE: top of camera to face PVC board or interior surface of Rig. Attach camera and arms to Rig using dowel and recess provided, Secure with 5/16 SHCS in correct order as shown in previous illustrations. Number 1-6 across front from left to right and number 7-9 across rear from left to right.

- *Attach Power Strips to Velcro patches provided, Ref WD102 for locations and connections.
- *Route power cord located at rear left corner of rig, follow pitch of angled panels over top and connect to pig tail from power box located on right rear corner of rig.
- *Route E-stop cord located at rear left corner of rig, follow pitch of angled panels over top and connect to power box located on right rear corner of rig.
- *Route Motor Drive controller cord located at rear left corner of rig, follow pitch of angled panels over top and connect to power box located on right rear corner of rig.
- *Large Projector HDMI cables, match large projector number to HDMI cable numbers. Plug matching cable numbers into large projector. Route other cable ends to computer, NOTE: do not plug into computer at this time. Ref WD098
- *Small Projector HDMI cables, match small projector number to HDMI cable numbers. Plug matching cable numbers into small projector. Route other cable ends to splitters, NOTE: do not plug into splitter at this time. Ref WD098
- *Camera Ethernet cables, match Camera's S.P. 1-9 with Ethernet cable numbers. Plug matching cable number into camera and Network Switch. Ref WD097
- *Power on all projectors.
- *Plug Small projector cables into Splitter. S.P. camera 1-6 connects to 16 port splitter, S.P. camera 7-9 connects to 4 port splitter.
- *Power on 16 port splitter and 4 port splitter.
- *Turn on Computer, navigate to Display Settings.
- *Connect items in order as stated: plug monitor, 4 port splitter, 16 port splitter, HDMI large projector cable into computer, wait for display to appear on monitor. Continue with process with all cables. Note, always plug one cable and wait before proceeding to next cable.



*Refer to WD095 for connecting Computer to motor controller and “T-adapters”

*Place projector screen hangers on top of rig and align with 4 holes provided. Secure in place with (4) 3/8 x 6” HHCS, nut and washer. Hang rear projector screen, align grooved tracks on back side of screen with hangers. Center screen with Rig. Use green cable for Ethernet connection to slave panel box.

*Connect raise power cable to slave panel side. Route cable over top of rig. Follow pitch of angled panels, Ref WD096

*Open Lift panel box, flip 4 switches to on. Using the raise/lower switch, hold switch in the up position to raise overhead section of Rig. Carefully while raising, watch the 4 corners and maintain a level hoist. If necessary, turn off fast corner and allow other corner to catch up. Raise until hole is visible in the four corner legs. Once the hole is visible, place orange locking pin through hole.

*(Two persons required) Swing each angled panels into place and align hole in angled panel with hole in side panels. Place orange locking pins through each hole at 4 corners. Note, this step may require overhead to be raised or slightly lowered in to align holes.

* After orange pins are placed into position, lower overhead assembly onto locking pins.

*Connect printer to Computer

*Computer application startup procedures:

- Open docker, ensure all segments are green and running proper.
- Open Hail Scan App, confirm all projectors are assigned correctly.
- Open Rig Calibration App, confirm all cameras provide proper feedback.

*Using Rig calibration App, complete V2 calibration.

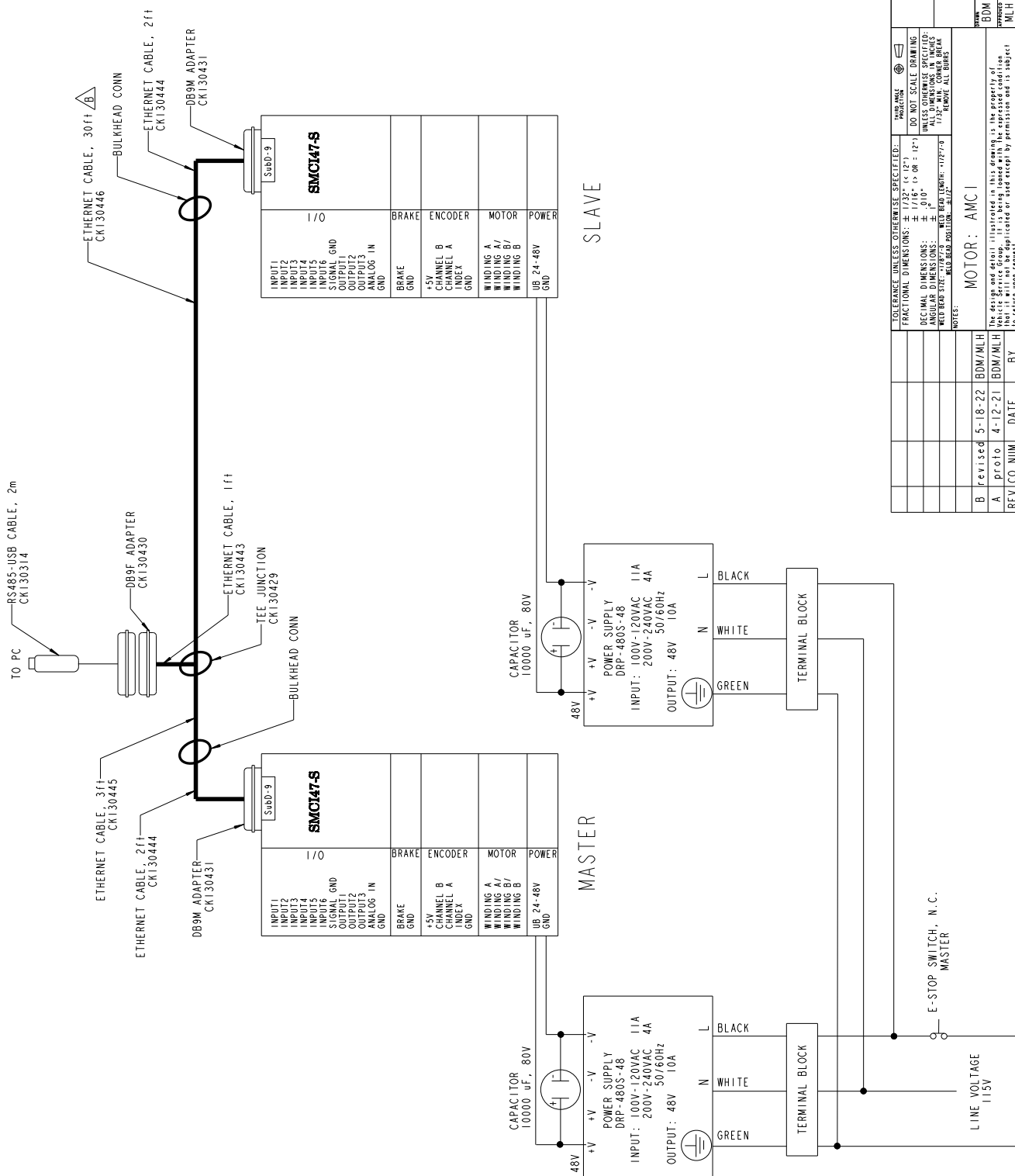
*Close all Apps, Re-Open Vehicle Hail Scan App to confirm nothing is projected or displayed on screens other than what is required.

*Power on tablets, connect to designated wifi.

*Open Constellation App with tablet, confirm connection to computer.

*Run test scan.

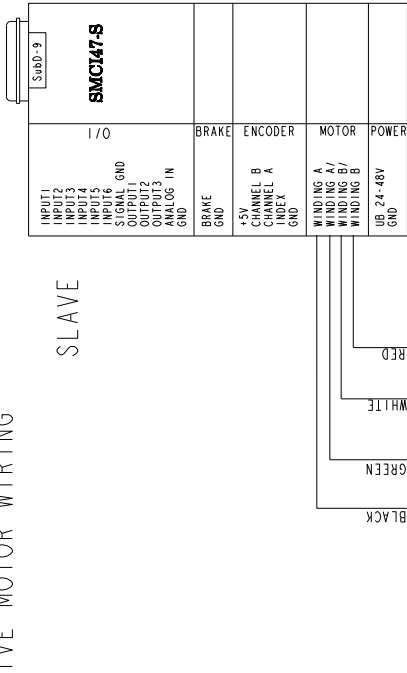
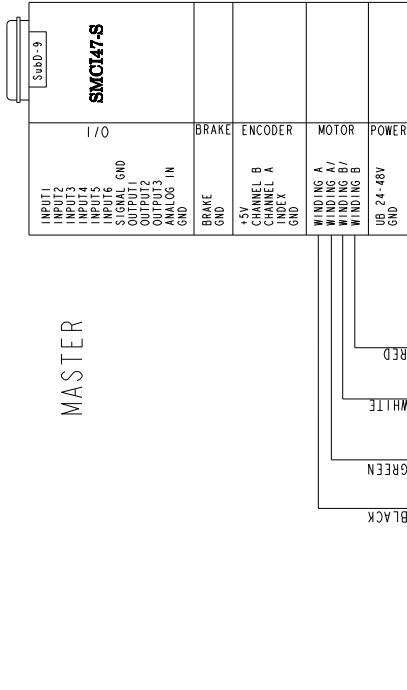
POWER SUPPLY/CONTROLLER WIRING - TO PC




DRIVE MOTOR WIRING



MASTER

SLAVE



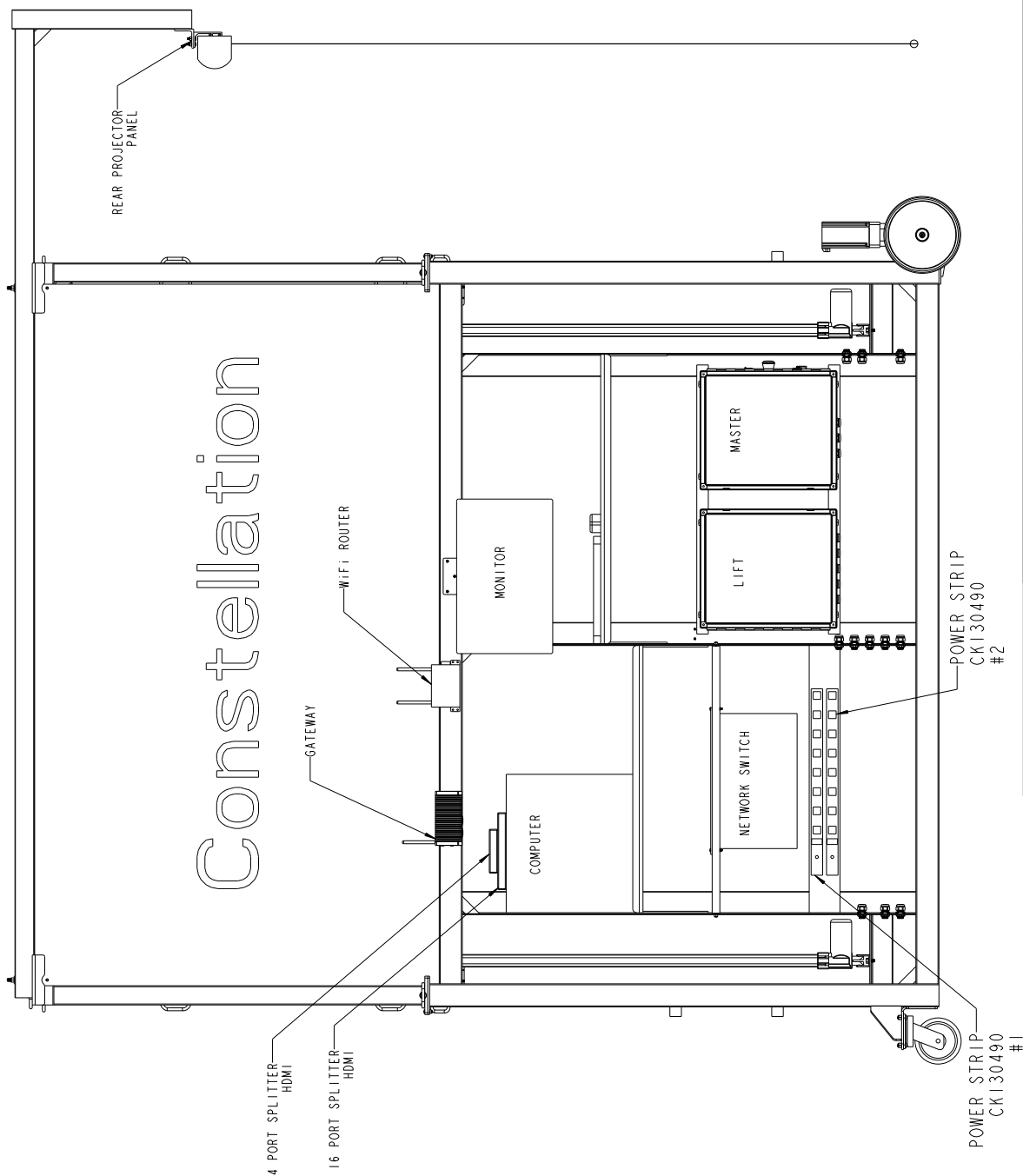
TOLERANCE UNLESS OTHERWISE SPECIFIED:		INDICATOR		DRIVE SYSTEM	
FRACTIONAL DIMENSIONS: $\pm 1/32"$ (12")		DO NOT SCALE DRAWING		VHSS	
DECIMAL DIMENSIONS: $\pm 0.005"$ (12")		UNLESS OTHERWISE SPECIFIED:			
WELD BEAD SIZE: 1/16" (12")		WELD BEAD TOLERANCE: $\pm 0.005"$			
WELD BEAD POSITION: $\pm 0.005"$		REMOVE ALL DIMS			
NOTES:		MOTOR: AMCI			
The design and detail illustrated in this drawing is the property of Vehicle Service Group. It is being loaned with the expressed condition that it is not to be reproduced, copied, or used except by permission and is subject to return upon request.					
SCALE		2 of 3			
BDM		1:1		DRAWING NUMBER	
MLH		4-5-21		WD100	

[illegible]

TOLERANCE UNLESS OTHERWISE SPECIFIED: FRACTIONAL DIMENSIONS: ± 1/32" (± 12") DECIMAL DIMENSIONS (INS): ± 0.005" ANGULAR DIMENSIONS: ± 1° HOLE AND SHAFT FITS: H9/D9 POSITION TOLERANCE: 0.005" (0.127)		 DO NOT SCALE DRAWING ALL DIMENSIONS IN UNITS 1/16" = 1" UNLESS OTHERWISE SPECIFIED. REMOVE ALL BARRIERS				DRIVE SYSTEM VHS5	
NOTES: The design and detail illustrated in this drawing is the property of Vespac Service Group, Inc. It is being issued with the expressed condition that it is not to be reproduced or used except by permission and is subject to future change(s)		BOM DATE M/LH		TOLERANCE 1:1 4.5-21		SHEET NO. OF 3 WD100	

LEFT VIEW

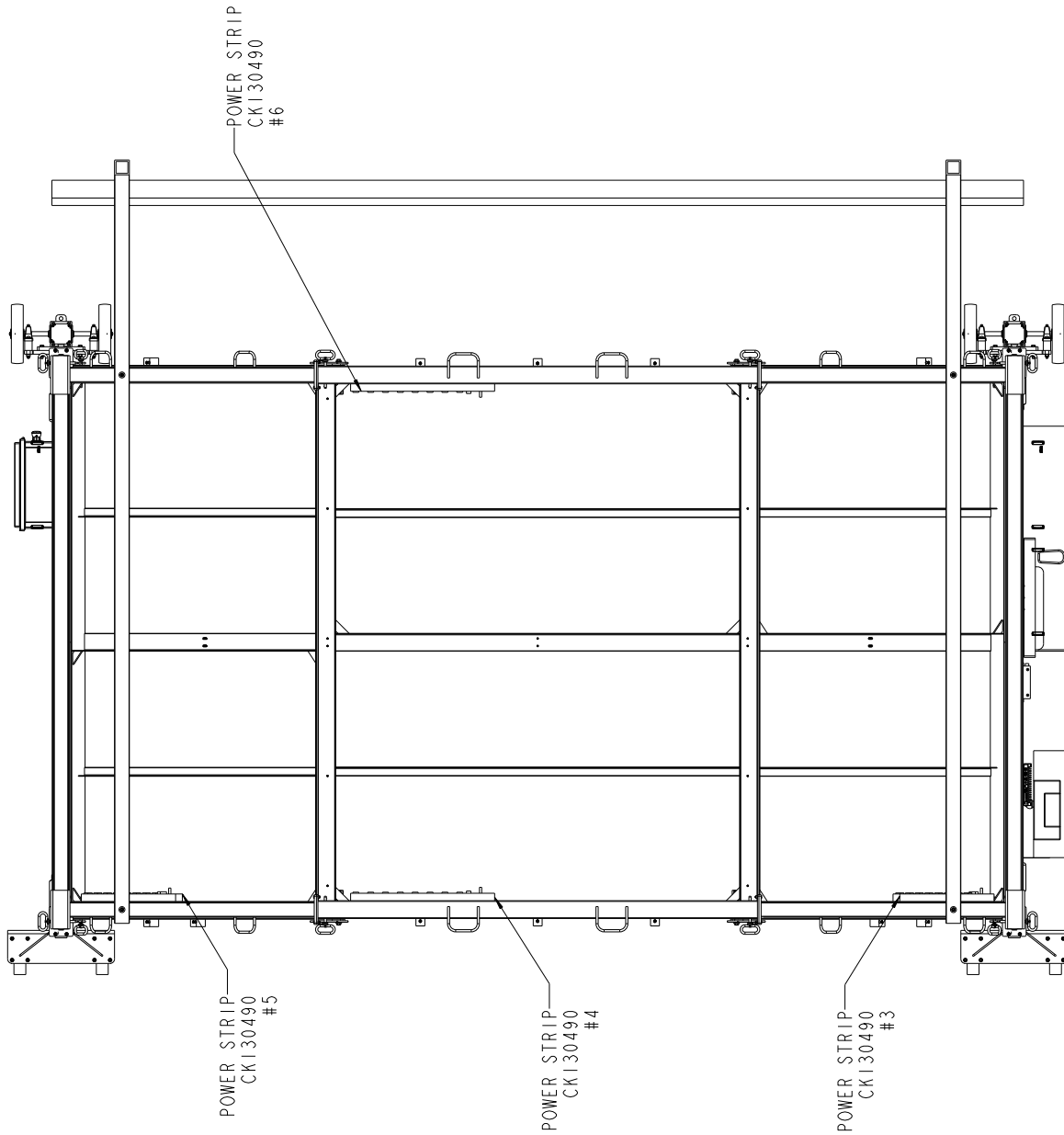
Constellation



LISTING OF ITEMS PLUGGED IN	
POWER STRIP	DESCRIPTION
#1	POWER STRIP #3
	MASTER CONTROL PANEL
	NETWORK SWITCH
	WIFI ROUTER
	GATEWAY
	16 PORT HDMI SPLITTER
#2	LIFT PANEL
	10FT EXTENSION CORD TO POWER STRIP #5
	4 PORT HDMI SPLITTER
	COMPUTER
	MONITOR
	SMALL PRJ #7
#3	POWER STRIP #4
	SMALL PRJ #1
	SMALL PRJ #2
	LARGE PRJ #1
	LARGE PRJ #2
#4	LARGE PRJ #3
	SMALL PRJ #3
	SMALL PRJ #4
#5	POWER STRIP #6
	LARGE PRJ #4
	LARGE PRJ #5
	SMALL PRJ #5
	SMALL PRJ #6
#6	LARGE PRJ #6 (REAR)
	SMALL PRJ #8
	SMALL PRJ #9
	REAR PROJECTOR PANEL

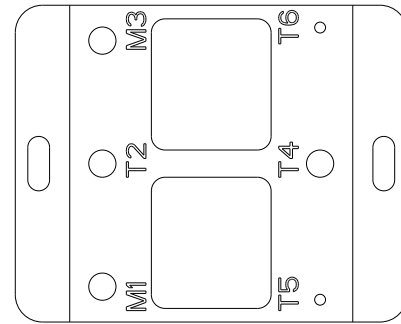
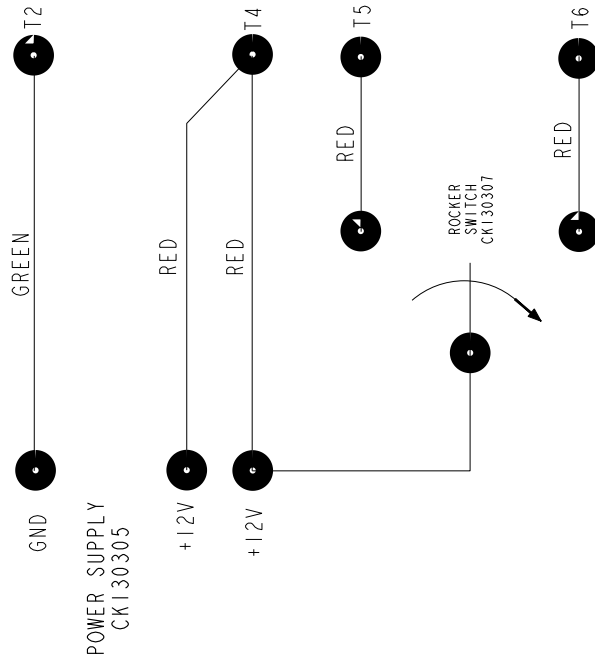
TOLERANCE UNLESS OTHERWISE SPECIFIED:		THIRD ANGLE PROJECTION	VHSS POWER STRIP	
FRACTIONAL DIMENSIONS: $\pm 1/32"$ ($< 12"$)		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED: DIMENSIONS: $\pm 1/16"$ ($> 12"$) HOLE LOCATIONS: $\pm 0.10"$ HOLE DIAMETERS: $\pm 0.015"$ HOLE DEPTHS: $\pm 0.015"$ HOLE LOCATIONS: $\pm 0.015"$ HOLE DEPTHS: $\pm 0.015"$ HOLE LOCATIONS: $\pm 0.015"$ HOLE DEPTHS: $\pm 0.015"$	VHSS POWER STRIP	
DECIMAL DIMENSIONS: $\pm 0.10"$		UNLESS OTHERWISE SPECIFIED: DIMENSIONS: $\pm 1/16"$ ($> 12"$) HOLE LOCATIONS: $\pm 0.10"$ HOLE DIAMETERS: $\pm 0.015"$ HOLE DEPTHS: $\pm 0.015"$ HOLE LOCATIONS: $\pm 0.015"$ HOLE DEPTHS: $\pm 0.015"$	VHSS POWER STRIP	
WELD BEAD SIZE: $\pm 0.015"$		WELD BEAD POSITION: $\pm 0.015"$	VHSS POWER STRIP	
NOTES:		REMOVE ALL BURS	VHSS POWER STRIP	
The design and detail illustrated in this drawing is the property of Vehicle Service Group. It is being loaned with the expressed condition that it will not be duplicated or used except by permission and is subject to review upon request.			VHSS POWER STRIP	
REV	CO	NUM	DATE	BY
-	proto	4-28-22	BDM/MLH	
APPROVED DATE		13:160		
DRAWN		BDM		
SCALE		13:160		
SHEET		1 of 3		
DRAWING NUMBER		WD102		

TOP VIEW

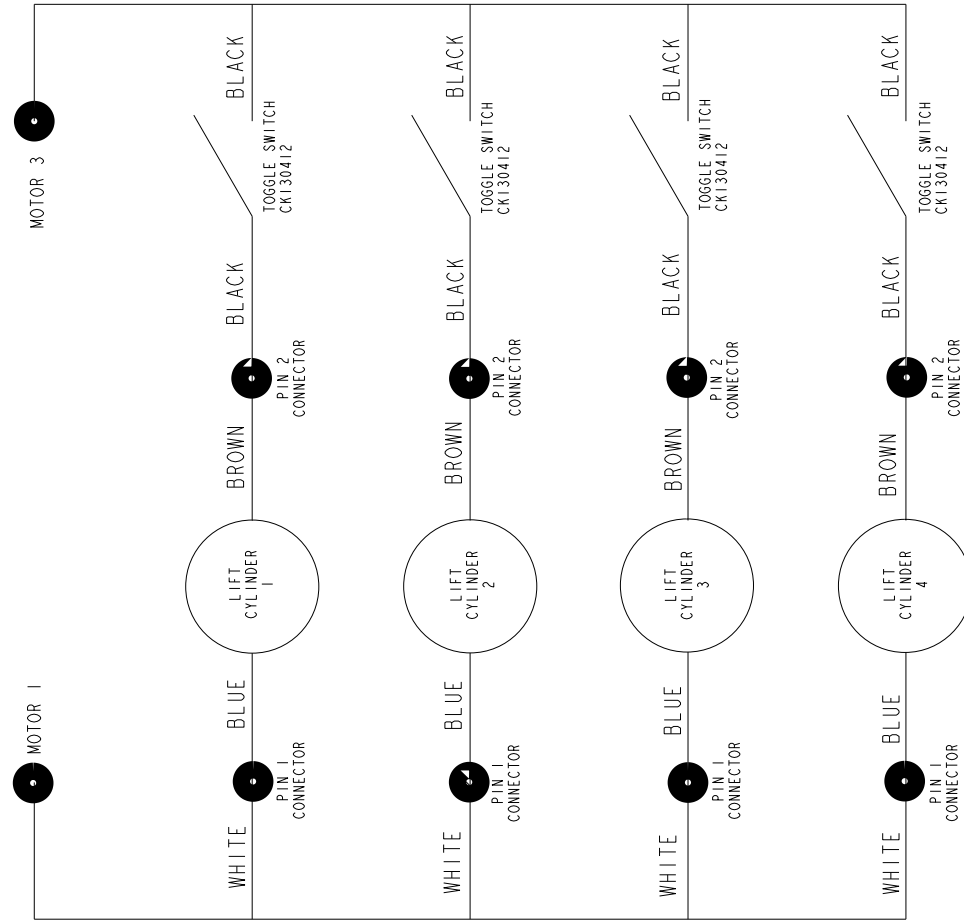


- NOTE:
1. POWER STRIP #3 AND #5 LOCATED IN LOWER CORNERS OF ANGLED PANELS.
 2. POWER STRIP #4 AND #6 LOCATED IN RIGHT CORNERS OF CENTER TOP FLAT PANEL.
 3. ATTACH POWER STRIP #3, #4, #5, #6 TO RIG, AS SHOWN WITH HOOK & LOOP VELCRO.

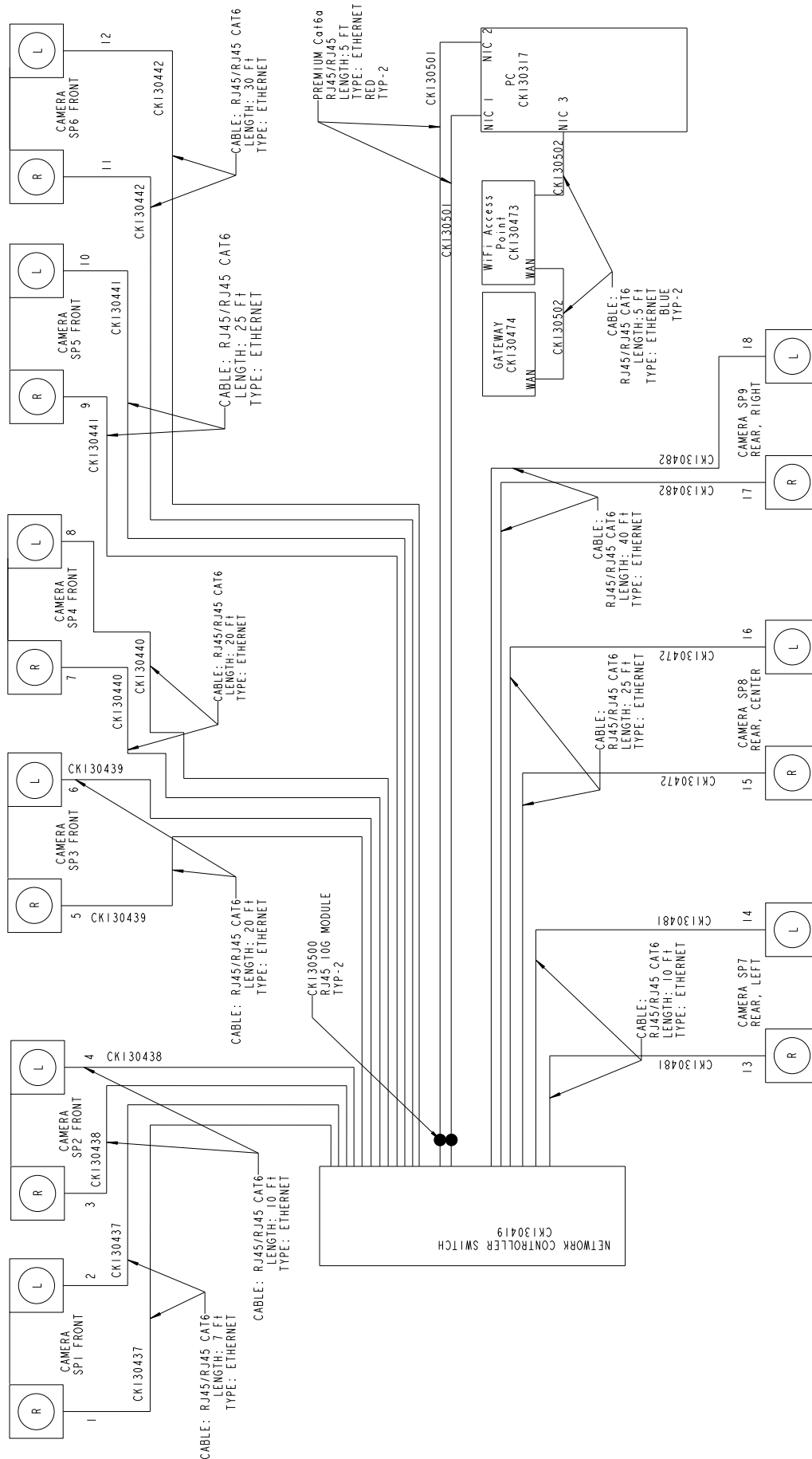
TOLERANCE UNLESS OTHERWISE SPECIFIED:		WELD BEAD SIZE: 1/16" (3 OR 12")	DO NOT SCALE DRAWING: UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS IN INCHES: 1/16" TYPICAL MINIMUM BREAK REMOVE ALL DIMS	VHSS-POWER STRIP CONNECTION, TOP VIEW	
FRACTIONAL DIMENSIONS: ± 1/32" (< 12")		DECIMAL DIMENSIONS: ± .010	ANGULAR DIMENSIONS: ± 1°	VSSG	
WELD BEAD SIZE: 1/16" (3 OR 12")		WELD BEAD LENGTH: 1/16" (3 OR 12")	WELD BEAD POSITION: ALL	SHEET 2 of 3	
NOTES:		The design and detail illustrated in this drawing is the property of Vehicle Service Group. It is being loaned with the expressed condition that it is not to be reproduced or used without permission and is subject to return upon request.		DRAWING NUMBER	
BDM		19:320		4-28-22	
BDM		4-28-22		WD 102	



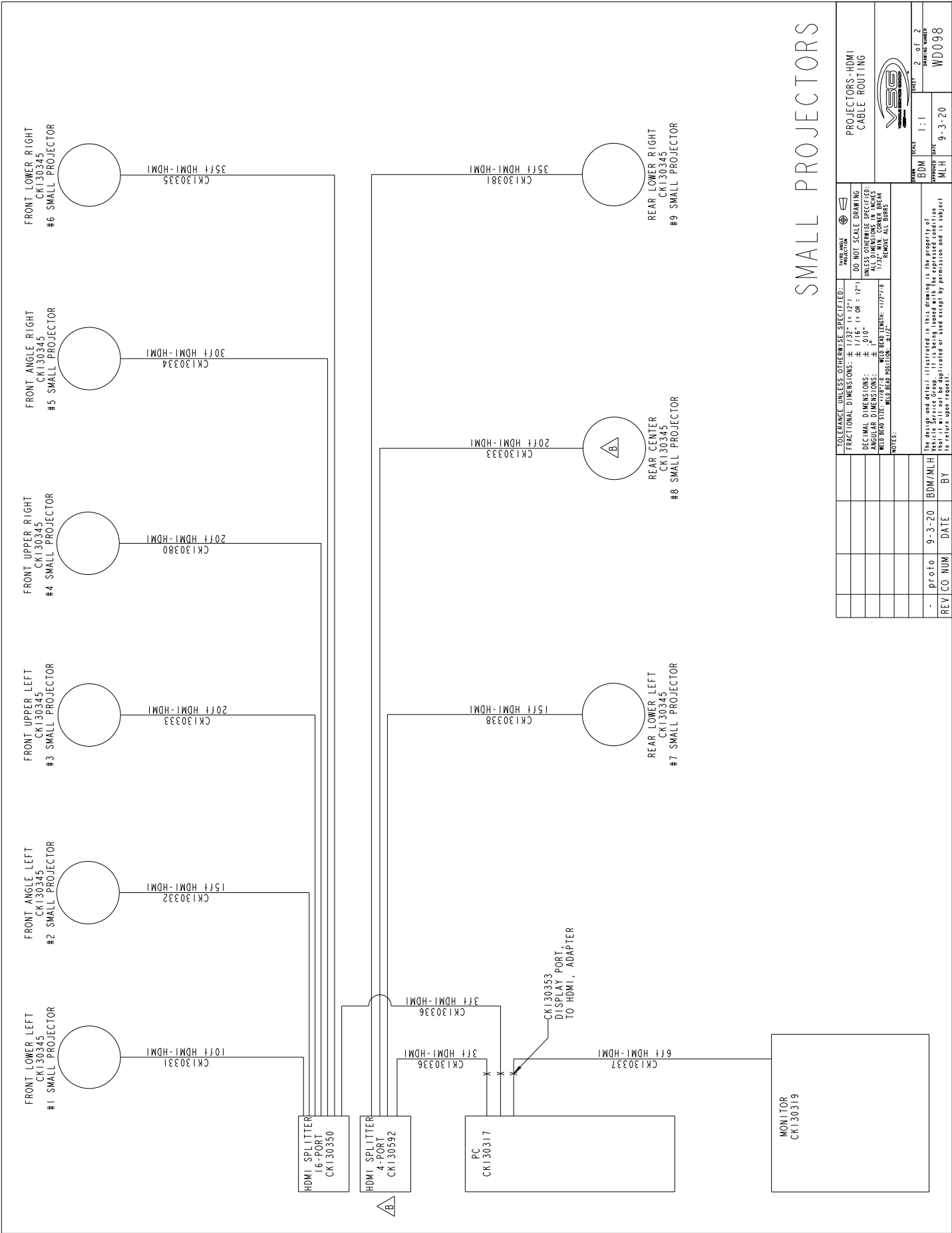
REF :
FRONT FACE VIEW OF RELAY
CK130306



TOLERANCE UNLESS OTHERWISE SPECIFIED:			
FRACTIONAL DIMENSIONS: $\pm 1/32"$ ($< 12"$)	DO NOT SCALE DRAWING	THIS ANGLE	
DECIMAL DIMENSIONS: $\pm 0.010"$ ($> 0.010"$)	UNLESS OTHERWISE SPECIFIED:	ALL DIMENSIONS IN INCHES	
ANGULAR DIMENSIONS: $\pm 1^\circ$	ALL DIMENSIONS IN INCHES	REMOVE ALL BURRS	
WELD BEAD SIZE: $\pm 1/8"$ ($> 1/8"$)	WELD BEAD LENGTH: $\pm 1/2"$ ($> 1/2"$)	REMOVE ALL BURRS	
NOTES:			
The design and detail illustrated in this drawing is the property of VSSC Service Group. It is being loaned with the expressed condition that it is not to be reproduced or used except by permission and is subject to return upon request.			
REV	CO	NUM	DATE
-	proto	1-22-21	BDM/MLH
BY			
LIFT SYSTEM WIRING VHSS			
VSSC			
DATE	SCALE	1:1	1 of 1
WLMH	1-22-21		WD096



TOLERANCE UNLESS OTHERWISE SPECIFIED:				ETHERNET CAMERA WIRING			
FRACTIONAL DIMENSIONS: $\pm 1/32"$ ($\leq 12"$)				DO NOT SCALE DRAWING			
DECIMAL DIMENSIONS: $\pm 1/16"$ ($\leq 12"$)				UNLESS OTHERWISE SPECIFIED:			
ANGULAR DIMENSIONS: $\pm 0.10^\circ$				1/32" MIN. CORNER BREAK			
HOLE BEAD SIZE: $\pm 1/87.8"$				HOLE BEAD POSITION: $\pm 0.12"$			
HOLE BEAD POSITION: $\pm 0.12"$				REMOVE ALL DIMS			
NOTES:				The design and details illustrated in this drawing is the property of Vehicle Service Group. It is being loaned with the expressed condition that it shall not be copied, reproduced, or used except by permission and is subject to return upon request.			
C	Revised	3-19-21	BDW/MLH				
B	Revised	3-8-21	BDW/MLH				
-	proto	8-27-20	BDW/MLH				
REV	CO	NUM	DATE	BY			
				BDW	1:1	8-27-20	WD097
				MLH	1:1	8-27-20	WD097
				1 of 1			



SMALL PROJECTORS

PROJECTORS-HDMI CABLE ROUTING		2 of 2	
VSG VEHICLE SERVICE GROUP		1:1	
SCALE		BDM	
PROJECT		1:1	
DRAWING NUMBER		WD098	
REV CO NUM		DATE	
BY		DATE	
PROJECT		SCALE	
PROJECTORS-HDMI CABLE ROUTING		BDM	
DRAWING NUMBER		MLH	
WD098		VSG	





Large Projector Settings

OSD Menu Tree

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Display	Image Settings	Display Mode			Presentation
					Bright
					HDR
					HLG
					Cinema
					sRGB
					DICOM SIM.
					Blending
					User
					3D
		Wall Color			Off [Default]
					Blackboard
					Light Yellow
					Light Green
					Light Blue
					Pink
					Gray
		Dynamic Range	HDR/HLG		Off
					Auto [Default]
			HDR Picture Mode		Bright
					Standard [Default]
					Film
					Detail
			HLG Picture Mode		Bright
					Standard [Default]
					Film
					Detail
		Brightness			0
		Contrast			0
		Sharpness			10
		Color			-50 ~ 50
		Tint			-50 ~ 50






Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Display	Image Settings	Gamma	Film		
			Video		
			Graphics		
			Standard (2.2)		
			1.8		
			2.0		
			2.4		
			2.6		
		Color Settings	Brilliant Color™		10
			Color Temperature		Warm
					Standard
					Cool
					Cold
			Color Matching	Color	R [Default]
					G
					B
					C
					Y
					M
					W
				Hue	-50 ~ 50 [Default: 0]
				Saturation	-50 ~ 50 [Default: 0]
				Gain	-50 ~ 50 [Default: 0]
				Reset	Cancel [Default]
					Yes
				Exit	
			RGB Gain/Bias	Red Gain	0
				Green Gain	0
				Blue Gain	0
				Red Bias	0
				Green Bias	0
				Blue Bias	0
				Reset	Cancel [Default]
					Yes
				Exit	
			Color Space [Not HDMI Input]		Auto [Default]
					RGB
					YUV

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Display	Image Settings	Color Settings	Color Space [HDMI Input]		Auto [Default]
					RGB(0~255)
					RGB(16~235)
					YUV
		Signal	Automatic		Off
					On [Default]
			Frequency		-50 ~ 50 (depends on signal) [Default: 0]
			Phase		0~31 (depends on signal) [Default: 0]
			H. Position		-50 ~ 50 (depends on signal) [Default: 0]
			V. Position		-50 ~ 50 (depends on signal) [Default: 0]
		Brightness Mode	Dynamic Black		Off / On (0~70%)
			Eco.		
			Constant Power		100
			Constant Luminance		85%~30%, 5% per step
		Reset			
	Enhanced Gaming				On
					Off [Default]
	3D	3D Mode			Off
					On [Default]
		3D Tech			DLP-Link [Default]
					Off
		3D - 2D			3D [Default]
					L
					R
		3D Format			Auto [Default]
					SBS
					Top and Bottom
					Frame Sequential
		3D Sync Invert			On
					Off [Default]
		Reset			Cancel [Default]
					Yes
	Aspect Ratio				4:3
					16:9
					16:10
					LBX
					Native
					Auto [Default]

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Display	Edge Mask				[Default: 0]
	Zoom				[Default: 0]
	Digital Lens Shift	V			[Default: 0]
	Image Shift	H			[Default: 0]
		V			[Default: 0]
	Geometric Correction	Four Corner Adjustment			
		H Keystone			-40 ~ 40 steps (-10~10 degree) [Default: 0]
		V Keystone			-40 ~ 40 steps (-10~10 degree) [Default: 0]
	Reset				
Audio	Audio Settings				Auto [Default]
					Internal Speaker
					Audio Out
	Mute				Off [Default]
					On
	Mic				Off
					On [Default]
	Volume				[Default: 5]
	Mic Volume				[Default: 5]
Setup	Projection				Front  [Default]
					Rear 
					Ceiling-top 
					Rear-top 
	Screen Type				16:9
					16:10 [Default]
	Filter Settings	Filter Usage Hours			(read only)
		Optional Filter Installed			Yes
					No [Default]
		Filter Reminder			Off
					300hr
					500hr [Default]
					800hr
					1000hr
		Filter Reset			Cancel [Default]
					Yes
	Power Settings	Direct Power On			Off [Default]
					On

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Setup	Power Settings	Signal Power On			Off [Default]
					On
		Auto Power Off (min.)			[Default: 20]
		Sleep Timer (min.)			[Default: 0]
			Always On		No [Default]
					Yes
		Power Mode (Standby)			Active
					Eco
	Security	Security			Off [Default]
					On
		Security Timer	Month		
			Day		
			Hour		
	HDMI Link Settings	HDMI Link			Off
					On
		Inclusive of TV			No
					Yes
		Power On Link			Mutual
					PJ - Device
					Device - PJ
		Power Off Link			Off
					On
	Test Pattern				Green Grid
					Magenta Grid
					White Grid
					White
					Off [Default]
	Remote Settings [depends on remote]	IR Function			On [Default]
					Off
		Remote Code			00

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Setup	Remote Settings [depends on remote]	F1			Test Pattern
					Brightness
					Contrast
					Sleep Timer
					Color Matching
					Color Temp
					Gamma
					Projection
					Digital Lens Shift [Default]
		F2			Test Pattern
					Brightness [Default]
					Contrast
					Sleep Timer
					Color Matching
					Color Temp
					Gamma
					Projection
					Digital Lens Shift
		F3			Test Pattern
					Brightness
					Contrast
					Sleep Timer [Default]
					Color Matching
					Color Temp
					Gamma
					Projection
					Digital Lens Shift
	Projector ID				00

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Setup	Options	Language			English [Default]
					Deutsch
					Français
					Italiano
					Español
					Português
					Polski
					Nederlands
					Svenska
					Norsk/Dansk
					Suomi
					繁體中文
					簡體中文
					日本語
					한국어
					Русский
					عربي
					Magyar
					Ceština
					عربي
					ไทย
					Türkçe
					فارسی
					Tiếng Việt
					Bahasa Indonesia
					Română
					Slovenčina
		Menu Settings	Menu Location		Top left 
					Top right 
					Center  [Default]
					Bottom left 
					Bottom right 
			Menu Timer		Off "note: always change 1st"
					5sec
					10sec [Default]
		Auto Source			Off [Default]
					On

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Setup	Options	Input Source			HDMI1
					HDMI2
					VGA
		Input Name	HDMI1		Default [Default]
					Custom
			HDMI2		Default [Default]
					Custom
			VGA		Default [Default]
					Custom
		High Altitude			Off [Default]
					On
		Display Mode Lock			Off [Default]
					On
		Keypad Lock			Off [Default]
					On
		Information Hide			Off [Default]
					On
		Logo			Default [Default]
					Neutral
					User
		Background Color			None
					Blue [Default]
					Red
					Green
					Gray
					Logo
		HDMI Settings	EDID Reminder		Off
					On [Default]
			HDMI 1 EDID		1.4 [Default]
					2.0
			HDMI 2 EDID		1.4
					2.0 [Default]
	Reset	Reset OSD			Cancel [Default]
					Yes
		Reset to Default			Cancel [Default]
					Yes

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Network	LAN	Network Status			(read only)
		MAC Address			(read only)
		DHCP			Off [Default]
					On
		IP Address			192.168.0.100 [Default]
		Subnet Mask			255.255.255.0 [Default]
		Gateway			192.168.0.254 [Default]
		DNS			192.168.0.51 [Default]
		Reset			
	Control	Crestron			Off
					On [Default]
					Note: Port 41794
		Extron			Off
					On [Default]
					Note: Port 2023
		PJ Link			Off
					On [Default]
					Note: Port 4352
		AMX Device Discovery			Off
					On [Default]
					Note: Port 9131
		Telnet			Off
					On [Default]
					Note: Port 23
		HTTP			Off
					On [Default]
					Note: Port 80

Main Menu	Sub Menu	Sub Menu 2	Sub Menu 3	Sub Menu 4	Values
Info	Regulatory				
	Serial Number				
	Source				
	Resolution				00x00
	Refresh Rate				0.00Hz
	Display Mode				
	Power Mode (Standby)				
	Light Source Hours				
	Remote Code				00~99
	Remote Code (Active)				00~99
	Network Status				
	IP Address				
	Projector ID				00~99
	Filter Usage Hours				
	Brightness Mode				
	FW Version	System			
		LAN			
		MCU			

NOTES

NOTES

NOTES



Chief Automotive Technologies
996 Industrial Drive
Madison, IN 47250
Phone: 800-445-9262
Fax: 866-275-0173

www.chiefautomotive.com

Chief reserves the right to alter product specifications
and/or package components without notice.