

BAR SIZE (in)

W SERIES

MAX WHEEL LOAD (lbs) 1,850

* BASED ON A CONTACT LENGTH OF 9"

AND A MAXIMUM CLEAR SPAN OF 2'-4 1/2"

(IE 11 BARS/FT OF GRATING WIDTH)

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

19-W-4

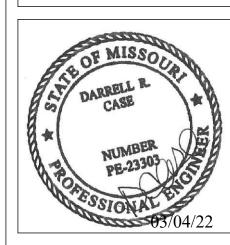
LIGHT DUTY

FOUNDATION NOTES

- CONTRACTOR SHALL VERIFY THAT THERE ARE NO INTERFERENCES BETWEEN EXISTING FOUNDATION (FTG. PADS, CON. FTGS, GRADE BEAM, TIES, ETC) AND PROPOSED PIT FOUNDATION.
- 2. DO NOT PLACE BACKFILL AGAINST WALL UNTIL THE WALL HAS BEEN ADEQUATELY SHORED.
- 3. WALL LOCATIONS TO BE WITHIN 1/4" OF DIMENSIONS SHOWN.
- 4. ALL ANGLE IRON HAS BEEN SHOWN AS A REFERENCE, SHOULD BE IN THE SCOPE OF THE FOUNDATION DESIGN, AND PROVIDED BY OTHERS. ADJUSTMENTS MUST BE MADE FOR ANGLE THICKNESS THAT VARY FROM $\frac{1}{4}$ " AS SHOWN IN DETAIL A.
- 5. THE DESIGN OF THE PIT GRATING AND ITS CAPACITY HAS BEEN PROVIDED IN A TABLE. DO NOT EXCEED THE WHEEL LOAD CAPACITY OF THE GRATING AS PROVIDED BY GFS. WHEELED VEHICLES WITH URETHANE TIRES SHOULD NEVER BE USED.
- 6. GRATINGS MUST BE INSTALLED WITH CROSS BARS ON TOP SIDE.
- 7. NOTCHING OF BEARING BARS AT SUPPORTS TO MAINTAIN PROPER ELEVATION IS GENERALLY NOT RECOMMENDED. IF NOTCHING IS REQUIRED FOR INSTALLATION, MANUFACTURER SHOULD BE CONSULTED.
- BAR GRATING SPECIFICATION 8. METAL SHOULD ALWAYS BE USED FOR ALL GRATING SUPPORTS.
 - 9. A MINIMUM OF 1" BEARING SHALL BE PROVIDED FOR ALUMINUM AND LIGHT DUTY STEEL GRATING. FOR HEAVY DUTY STEEL GRATING, 1" MINIMUM BEARING SHALL BE PROVIDED FOR BEARING BAR DEPTHS UP TO 2-1/4", AND 2" MINIMUM BEARING SHALL BE PROVIDED FOR DEPTHS OF 2-1/2" AND OVER. THIS BEARING SURFACE DOES NOT INCLUDE THE SUPPORT ANGLE FILLET RADIUS.
 - 10. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. CUSTOMER MUST CHECK EQUIPMENT SIZE, LOCATION IN BUILDING AND ALL CLEARANCES TO BUILDING AND CONTENTS.
 - 11. DEPTH DIMENSIONS ARE BASED ON HAVING A 6" SLAB OVER THE EXHAUST TUNNEL. IF STRUCTURAL ANALYSIS INDICATES THAT A THICKER SLAB IS REQUIRED, PIT DEPTH SHOULD BE INCREASED ACCORDINGLY AND GFS NOTIFIED SO TALLER PIT RAILS CAN BE PROVIDED.

Engineering Inc

AUTOMOTIVE TECHNOLOGY, II 544 MAE COURT FENTON, MO 63026



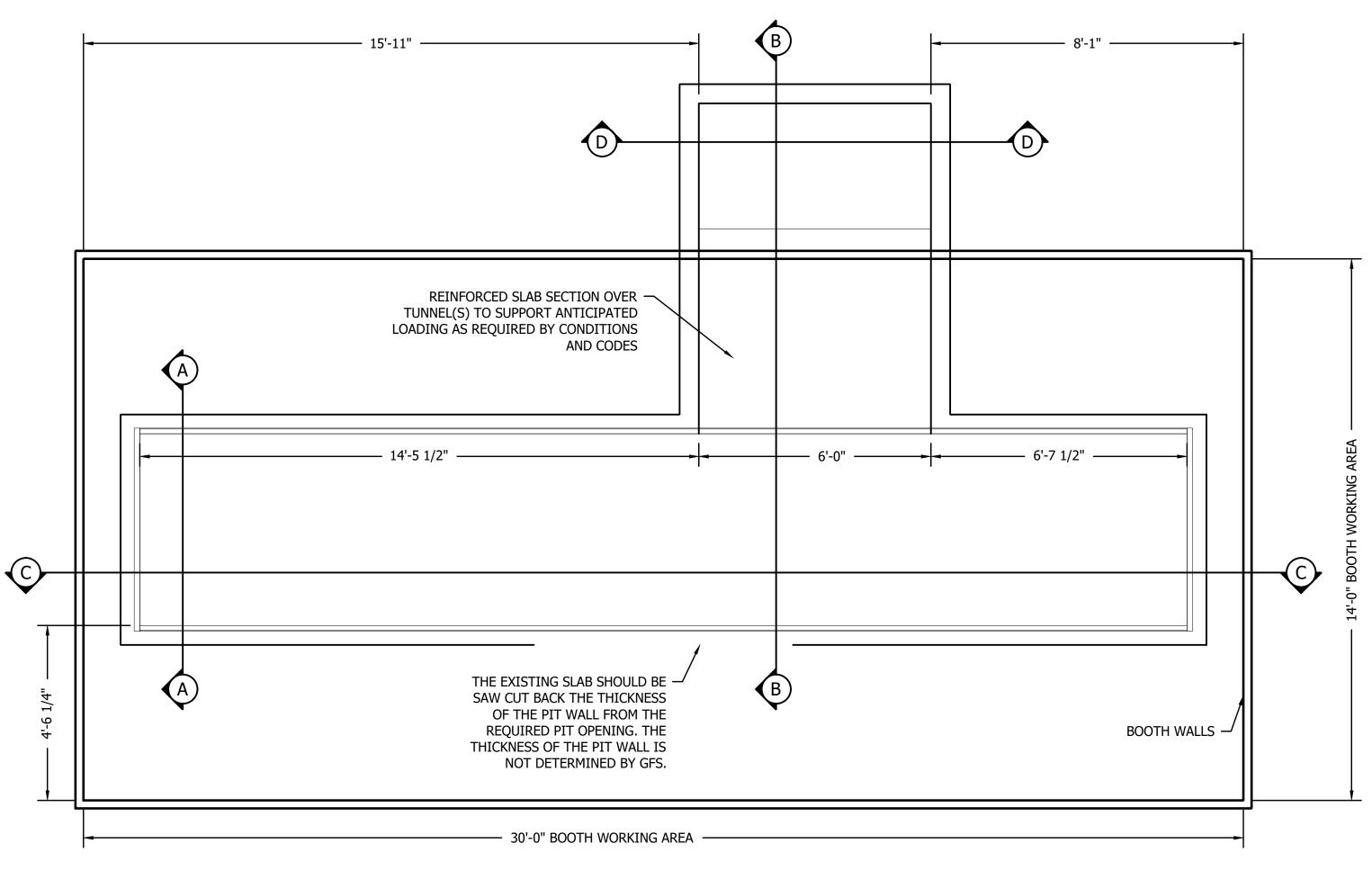
CRASH CHAMPIONS -LEE SUMM
PAINT BOOTH
451 SE OLDHAM PKWY
LEE SUMMIT, MO 64081

No.	Description	Date
	·	

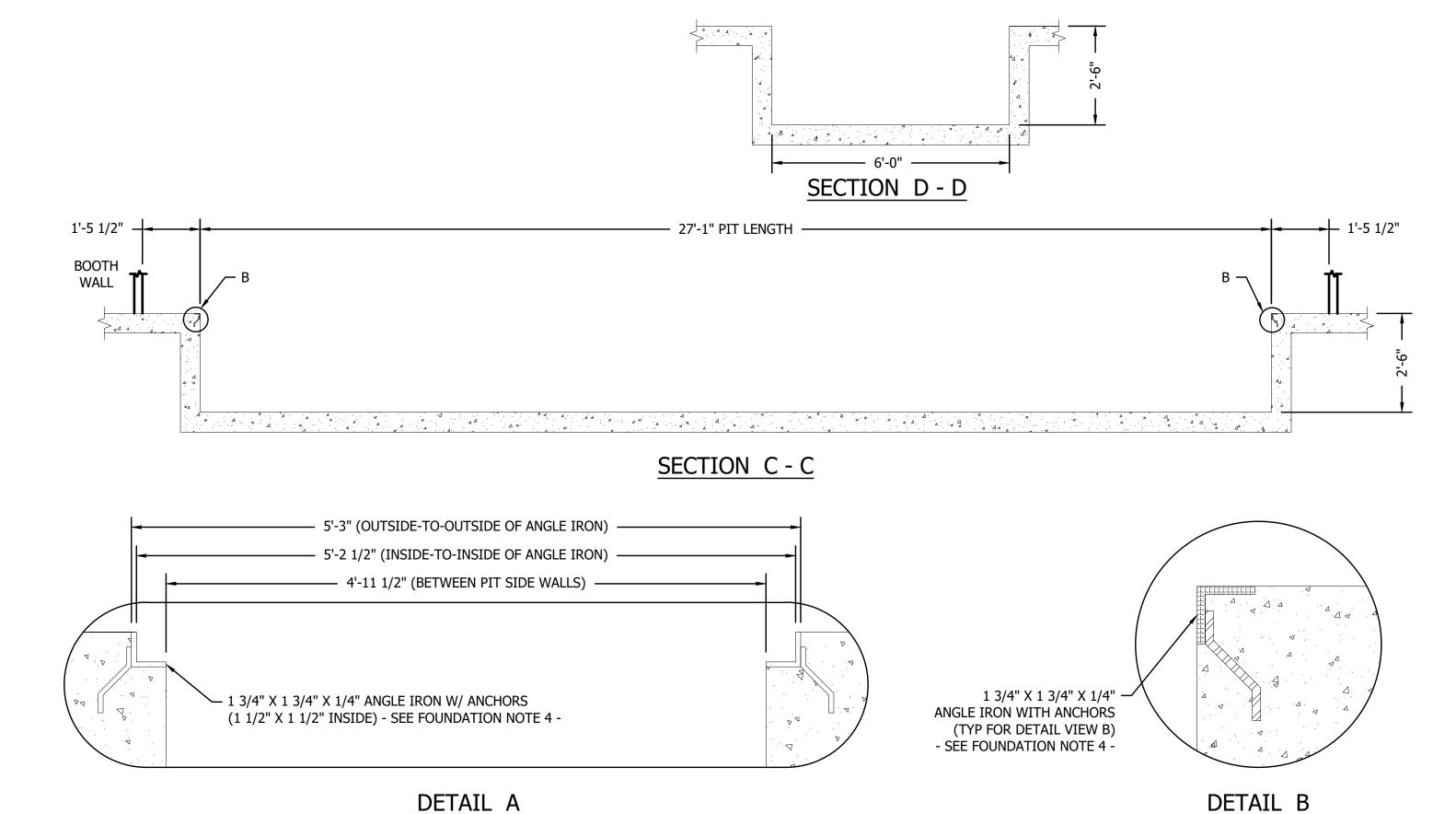
PAINT BOOTH SPECIFICATIONS

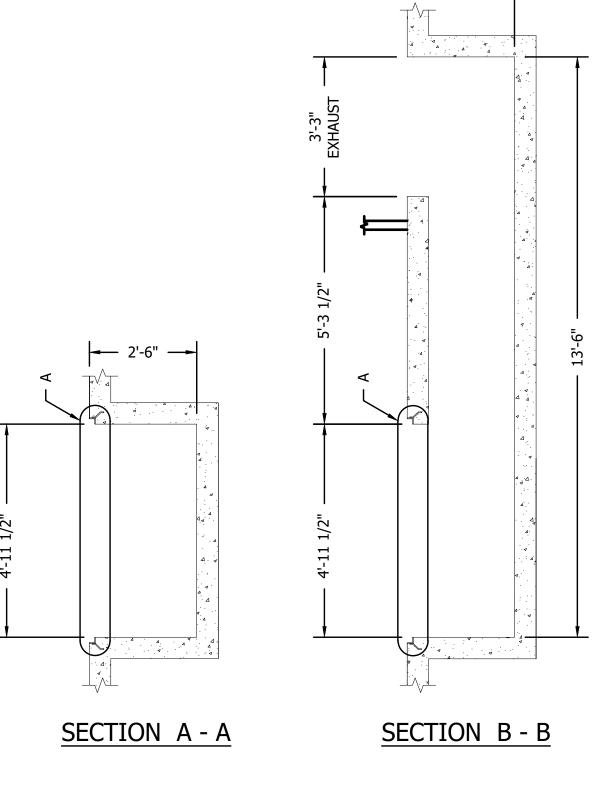
	Project #
	Issue Date
	Drawn by
	Checked by

Scale



PLAN VIEW





BAR SIZE (in)

W SERIES

MAX WHEEL LOAD (lbs) 1,850

* BASED ON A CONTACT LENGTH OF 9"

AND A MAXIMUM CLEAR SPAN OF 2'-4 1/2"

(IE 11 BARS/FT OF GRATING WIDTH)

TYPE

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

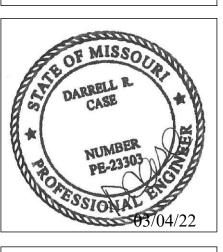
19-W-4

LIGHT DUTY

FOUNDATION NOTES

- 1. CONTRACTOR SHALL VERIFY THAT THERE ARE NO INTERFERENCES BETWEEN EXISTING FOUNDATION (FTG. PADS, CON. FTGS, GRADE BEAM, TIES, ETC) AND PROPOSED PIT FOUNDATION.
- 2. DO NOT PLACE BACKFILL AGAINST WALL UNTIL THE WALL HAS BEEN ADEQUATELY SHORED.
- 3. WALL LOCATIONS TO BE WITHIN 1/4" OF DIMENSIONS SHOWN.
- 4. ALL ANGLE IRON HAS BEEN SHOWN AS A REFERENCE, SHOULD BE IN THE SCOPE OF THE FOUNDATION DESIGN, AND PROVIDED BY OTHERS. ADJUSTMENTS MUST BE MADE FOR ANGLE THICKNESS THAT VARY FROM $\frac{1}{4}$ " AS SHOWN IN DETAIL A.
- 5. THE DESIGN OF THE PIT GRATING AND ITS CAPACITY HAS BEEN PROVIDED IN A TABLE. DO NOT EXCEED THE WHEEL LOAD CAPACITY OF THE GRATING AS PROVIDED BY GFS. WHEELED VEHICLES WITH URETHANE TIRES SHOULD NEVER BE USED.
- 6. GRATINGS MUST BE INSTALLED WITH CROSS BARS ON TOP SIDE.
- BAR GRATING SPECIFICATION 7. NOTCHING OF BEARING BARS AT SUPPORTS TO MAINTAIN PROPER ELEVATION IS GENERALLY NOT RECOMMENDED. IF NOTCHING IS REQUIRED FOR INSTALLATION, MANUFACTURER SHOULD BE CONSULTED.
 - 8. METAL SHOULD ALWAYS BE USED FOR ALL GRATING SUPPORTS.
 - 9. A MINIMUM OF 1" BEARING SHALL BE PROVIDED FOR ALUMINUM AND LIGHT DUTY STEEL GRATING. FOR HEAVY DUTY STEEL GRATING, 1" MINIMUM BEARING SHALL BE PROVIDED FOR BEARING BAR DEPTHS UP TO 2-1/4", AND 2" MINIMUM BEARING SHALL BE PROVIDED FOR DEPTHS OF 2-1/2" AND OVER. THIS BEARING SURFACE DOES NOT INCLUDE THE SUPPORT ANGLE FILLET RADIUS.
 - 10. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. CUSTOMER MUST CHECK EQUIPMENT SIZE, LOCATION IN BUILDING AND ALL CLEARANCES TO BUILDING AND CONTENTS.
 - 11. DEPTH DIMENSIONS ARE BASED ON HAVING A 6" SLAB OVER THE EXHAUST TUNNEL. IF STRUCTURAL ANALYSIS INDICATES THAT A THICKER SLAB IS REQUIRED, PIT DEPTH SHOULD BE INCREASED ACCORDINGLY AND GFS NOTIFIED SO TALLER PIT RAILS CAN BE PROVIDED.

544 MAE COURT FENTON, MO 63026

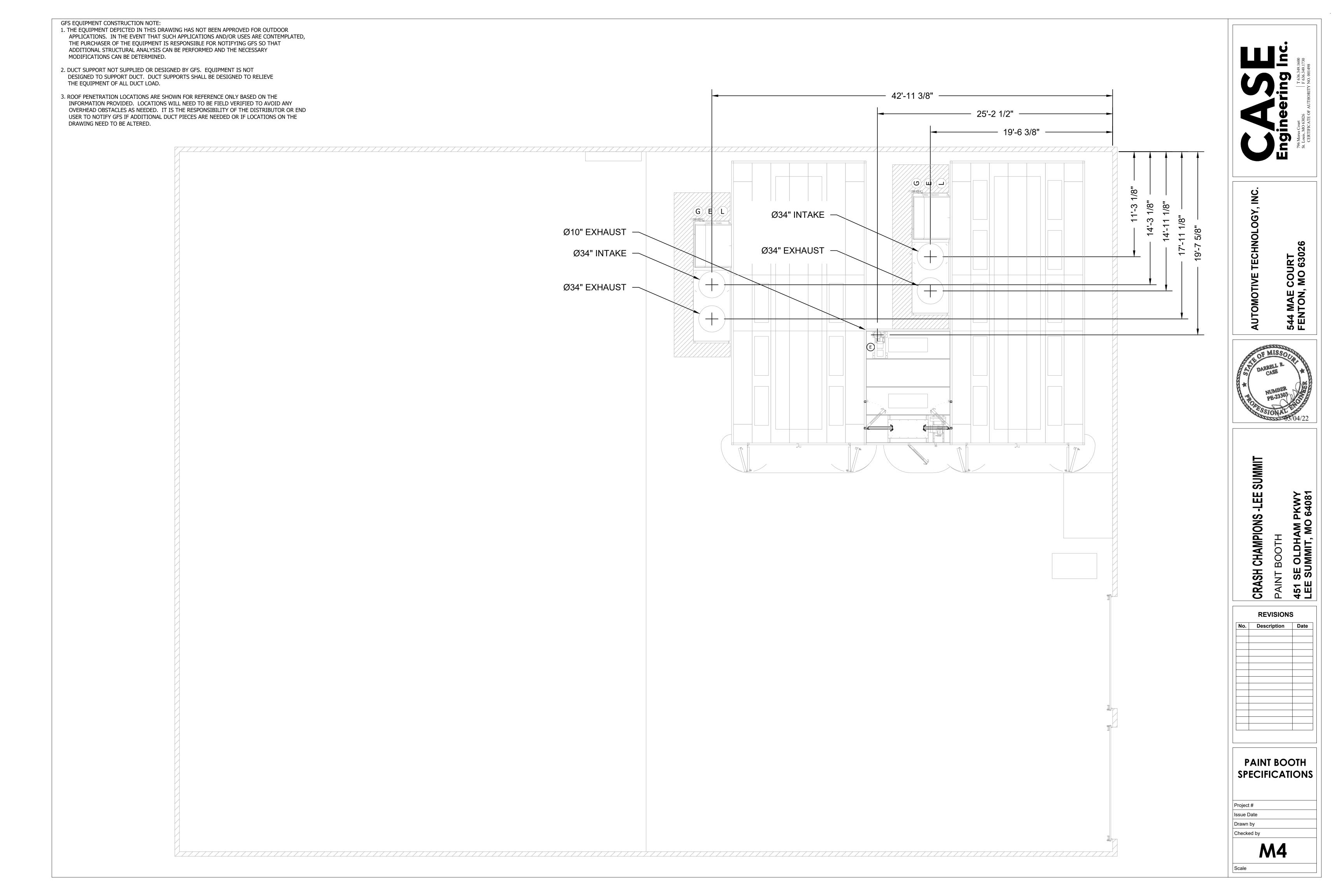


SUMIN CRASH CHAMPIONS -LEE

No.	Description	D

PAINT BOOTH
SPECIFICATIONS

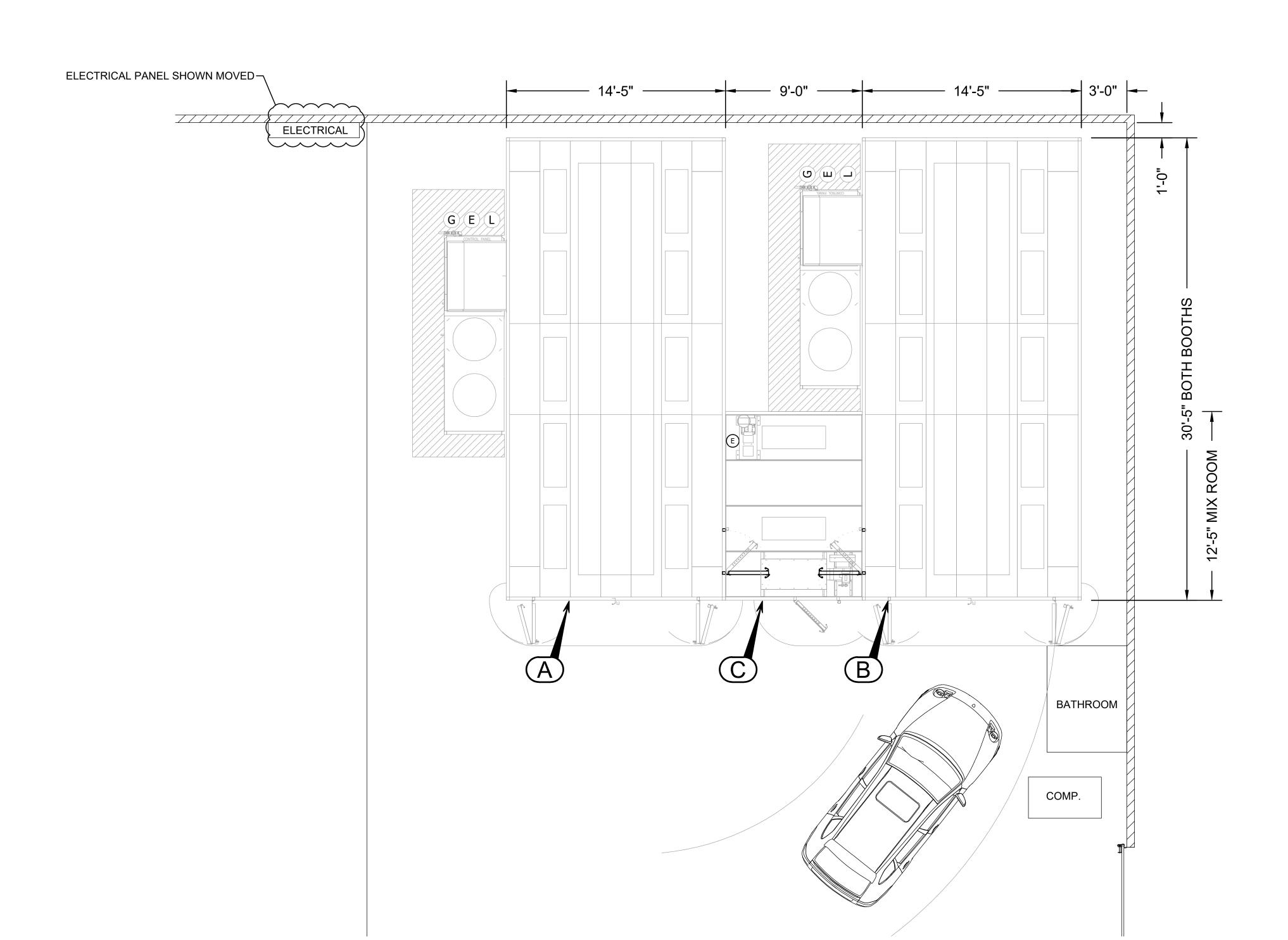
	Project #
	Issue Date
	Drawn by
	Checked by
ı	



GFS EQUIPMENT CONSTRUCTION NOTE: 1. GAS SUPPLY REQUIRED (BY OTHERS) TO GAS CONNECTION POINT (G). MINIMUM GAS PRESSURE IS REQUIRED AT MAXIMUM VOLUME CONSUMED. MINIMUM CIRCUIT CAPACITY IS REQUIRED (BY OTHERS) TO CONNECTION POINT (E). LIGHTING CIRCUIT IS REQUIRED (BY OTHERS) TO CONNECTION POINT (L).

- 2. THE EQUIPMENT DEPICTED IN THIS DRAWING HAS NOT BEEN APPROVED FOR OUTDOOR APPLICATIONS. IN THE EVENT THAT SUCH APPLICATIONS AND/OR USES ARE CONTEMPLATED, THE PURCHASER OF THE EQUIPMENT IS RESPONSIBLE FOR NOTIFYING GFS SO THAT ADDITIONAL STRUCTURAL ANALYSIS CAN BE PERFORMED AND THE NECESSARY MODIFICATIONS CAN BE DETERMINED.
- 3. DUCT SUPPORT NOT SUPPLIED OR DESIGNED BY GFS. EQUIPMENT IS NOT DESIGNED TO SUPPORT DUCT. DUCT SUPPORTS SHALL BE DESIGNED TO RELIEVE THE EQUIPMENT OF ALL DUCT LOAD.

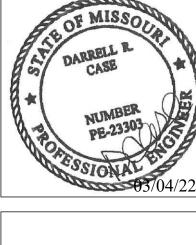
PROPANE | 1323529



		_		AIR H	IEATER				MOTOR MIN				LIGHTI	NG CIRCUIT			ELECTR	ICAL REQUIREM	1ENTS	
A		INTAKE / EXHAUST MOTOR	FUEL	MAX FIRING RATE	MIN INLET PRESS. AT MAX FIRING RATE	MAX INLET PRESS.	RISE	INLET PIPE - SIZE NPT	MOTOR SPECIFICATIONS 15HP INTAKE, 15HP EXHAUST			W /MINIMUM CIRCUIT 230V 3PH 480V 3PH	 QUANTITY OF LIGHT	MINIMUM CIRCUIT	(C)		ELECTRICAL DEVICE	MOTOR	FULL LOAD AMP DRAW	MINIMUM CIRCUIT CAPACITY
ULTRA XL DOWNDRAFT BOOTH	(CFM)	(HP)	NATURAL	(BTU/HR)	(INWC)	(PSI)	(°F)	(IN)				44.0 /	FIXTURES (4-TUBE, 6-TUBE, STD	CAPACITY (AMPS)	ULTRA XD MIX ROOM	EVITATICE FANT 0	FAN MOTOR (EACH)	1/2HP, 120V, 1PH	9.8	
30'L x 14'W x 12'H INSIDE	15205	15 / 15	GAS	1512605	13.0	5.0	91	1 1/4	NO ADVANCE CURE			55.0	OR LED)	120V 277V	12'L x 9'W x 9'H INSIDE	EXHAUST FAN & INTAKE FAN	LIGHT FIXTURES	120V / 277V	1.0 / 0.5 (EACH)	- 30 AMP
			PROPANE	1323529 AIR F	5.0 IEATER		80		MOTOR MIN	 IMUM CII	RCUIT (CAPACITY	LIGHTII	NG CIRCUIT						
B ULTRA XD	MAX AIR FLOW RATE (CFM)	INTAKE / EXHAUST MOTOR (HP)	FUEL	MAX FIRING RATE (BTU/HR)	MIN INLET PRESS. AT MAX FIRING RATE (INWC)	MAX INLET PRESS. (PSI)	TEMP. RISE (°F)	INLET PIPE - SIZE NPT (IN)	MOTOR SPECIFICATIONS 15HP INTAKE, 15HP EXHAUST			W /MINIMUM CIRCUIT 230V 3PH 480V 3PH	 QUANTITY OF LIGHT FIXTURES (4-TUBE,	SINGLE PHASE MINIMUM CIRCUIT CAPACITY (AMPS)						
DOWNDRAFT BOOTH 30'L x 14'W x 9'H INSIDE	15205	15 / 15	NATURAL GAS	1512605	13.0	5.0	91	1 1/4	NO ADVANCE CURE			44.0 / 55.0	6-TUBE, STD OR LED)	120V 277V						

30



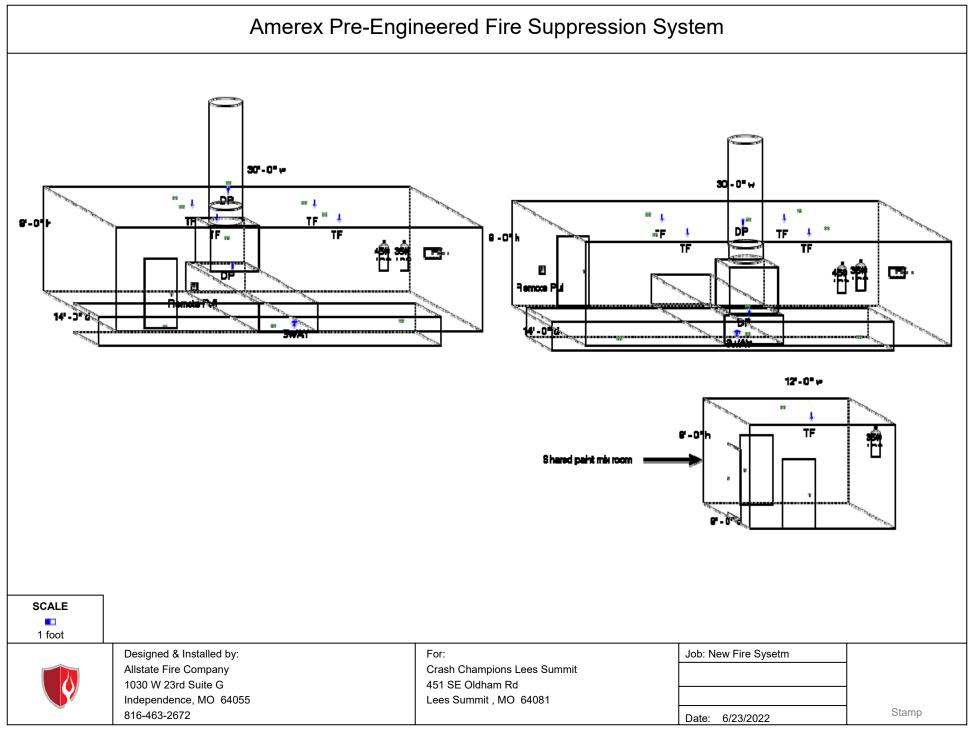


CRASH CHAMPIONS -LEE SUMN

No.	Description	Date
+		
+		
+		

PAINT BOOTH
SPECIFICATION

Project #
Issue Date
Drawn by
Checked by



Notes

- A plastic cap which covers the nozzle tip to keep grease, dirt, or foreign material from plugging the orifice.
- The Industrial Dry Chemical Fire Suppression System has been installed in accordance with NFPA 17, NFPA 33, and the local I.M.C. Codes.
- The Industrial Dry Chemical Fire Suppression System has been evaluated by Underwriters Laboratories (UL) in accordance with the specific test protocol found in the UL1254 Standard (Pre-Engineered Dry Chemical System Units).
- All Electric work to be to be performed by the customer's Licensed Electrician.
- Exhaust Fan VPSB required to shut down prior to discharge.
- Fire Suppression System to be tied into by the customer's Licensed Fire Alarm Company.
- Fittings are Schedule 40, 150# BMI.
- This Fire Suppression System has been designed so the customer can add additional coverage, if needed, in the future.
- Pipe is Schedule 40, 1" (black, chrome or stainless steel) pipe.
- Pipe is Schedule 40, 3/4" (black, chrome or stainless steel) pipe.

System Materials

Item Number	Description	Flow	Qty
16172	Total Flood (TF)	9.0	9
16174	Three-Way (3WAY)	2.0	2
16190	Duct and Plenum (DP)	4.0	4
16208	AGENT CYLINDER ASY – IS45ABC		2
16207	AGENT CYLINDER ASY – IS35ABC		3
16225	JOB LINK QUICK RESPONSE (200 F / 93 C)		14
12328	FUSIBLE LINK (360 F / 182 C)		2
16226	JOB LINK QUICK RESPONSE (286 F / 141 C)		2
12326	FUSIBLE LINK (212 F / 100 C)		1
18001	MRM - Mechanical Release Module		2
11993	Manual Pull Station - English - Rectangular		2
12856	Nitrogen Cylinder - 10 in(3)		2
10147	Pneumatic Control Head		5
12508	Detector Bracket Assembly - Includes Bracket, Linkage & Con		18
16235	Compression Seal - 3/4" EMT		12
22279	Quick Seal Corner Pulley Adapter - Fits CP5		12
18252	Quick Seal - 1" Pipe		2
16386	Alarm Bell 6" 115 VAC		1
15765	Mechanical Time Delay		2

Total Flow Points: 15.0



Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For-

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

Notes

- Piping Requirements: Piping diagrams include limitations on pipe length and fittings. System piping must be balanced. Balanced piping is that in which the difference between the shortest actual pipe length from the 1" tee to the nozzle and the longest actual pipe length from the 1" tee to the nozzle does not exceed 10% of the actual pipe length from tee to nozzle. The number and type of fittings for both tee to nozzle sections must be equal.

- Remote pull station shall be 48" above finished floor and in the path of egress.

- System shall have manual and automatic methods of actuation.

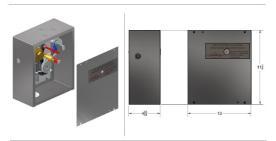
- Upon activation of system all electrical & fuel must shut down.



Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

MECHANICAL RELEASE MODULE



P/N: 18001

The new MRM combines the same features and functionality as the original MRM along with increased detection capabilities and far simpler means of setting the detection cable tension. The slide plate and collapsible column are now Teflon coated. The MRM is available in the above configurations, now preinstalled in its own enclosure.

Setting the detection cable tension does not require the use of any tools (once the cable is locked down into the large, knurled ratchet wheel). A large lever to the right of the ratchet wheel is used to increase the cable tension. Alignment of the bottom edge of the lever with markings on a label indicates when the proper tension has been achieved. Lowering cable tension to change out detection links is now also much simpler.

There is also a MRM available without the enclosure, P/N 11977. This has the same purpose and functionality as the MRM (P/N 18001). It is often used in conjunction with the Single

NITROGEN ACTUATION CYLINDERS



Part No.	12856 (10 in ³)					
Diameter	1.998 in	5.07 cm				
Length	6 3/8 in	16.19 cm				
Part No.	09956	(15 in ³)				
Diameter	1.998 in	5.07 cm				
Length	9 11/25 in	24 cm				

Typical Pressure	re 12856 / 09956				
@ 40F	~1700 PSI	~11722 kPa			
@ 70F	1800 PSI	12411 kPa			
@ 100F	~1900 PSI	~12893 kPa			

P/N: 12856 / 09956

The N2 Actuation Cylinder supplies nitrogen gas pressure to the Agent Cylinder Discharge Valve through the actuation network for the purpose of opening the Agent Cylinder. Each Actuation Cylinder is charged to 1800 psig (12410 KPa) at 70°F (21°C)

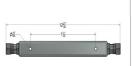
The 10 in No. Actuation Cylinder (P/N 12856) contains enough nitrogen to actuate up to ten total of Models 275 / 375 / 475 Agent Cylinders Assemblies in any combination. A total of six Model 600 Agent Cylinders Assemblies OR a total of six Agent Cylinders when the mix contains at least one Model 600 Agent Cylinder Assemblies.

The 15 in 3 N2 Actuation Cylinder (P/N 09956) contains enough nitrogen to actuate up to ten total of Models 275 / 375 / 475 & 600 Agent Cylinders Assemblies in any combination.

A Replacement Rupture Disc (P/N 09958) is available for both cylinders for use by certified

FUSIBLE / JOB LINK DETECTOR BRACKET





P/N: 12508

Each Detector Bracket in the AMEREX KP System is comprised of three parts the Detector Bracket, Detector Linkage and two EMT fittings. The fusible link is ordered separately. The bracket serves as support for the linkage and is attached to a rigid surface. The linkage supports the fusible link and a continuous cable run under tension. At a predetermined temperature the fusible link will separate, relieving tension on the cable and actuating the

KP600 PNEUMATIC ACTUATOR



P/N: 10147

The Pneumatic Actuator is required for every pneumatically actuated. KP600 Agent Cylinder Assembly. The actuator is botted directly to the top of the agent cylinder discharge valve. When actuation occurs at the MRM or PRM, the pneumatic pressure from the nitrogen cylinder enters the actuator through 3½ "NPT threaded ports on either side. The actuation pressure forces the piston inside to extend and depress the valve stem of the discharge valve. Resetting is easier than the previous discontinued

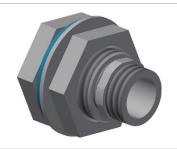




Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

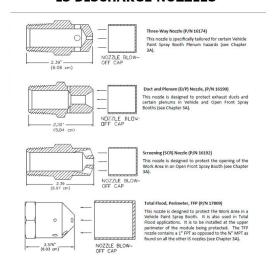
QUICK SEAL CORNER PULLY ADAPTER



P/N 22279 - EMT THREAD - HOLE SIZE 1-1/8" DIA.

This listed mechanical bulkhead fitting provides a close connection to a CP5 corner pulley. The close coupling of the two assist in alignment of the conduit run to a detection bracket.

IS DISCHARGE NOZZLES





Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055

For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

Notes

- A plastic cap which covers the nozzle tip to keep grease, dirt, or foreign material from plugging the orifice.
- The Industrial Dry Chemical Fire Suppression System has been installed in accordance with NFPA 17, NFPA 33, and the local I.M.C. Codes.
- The Industrial Dry Chemical Fire Suppression System has been evaluated by Underwriters Laboratories (UL) in accordance with the specific test protocol found in the UL1254 Standard (Pre-Engineered Dry Chemical System Units).
- All Electric work to be to be performed by the customer's Licensed Electrician.
- Exhaust Fan VPSB required to shut down prior to discharge.
- Fire Suppression System to be tied into by the customer's Licensed Fire Alarm Company.
- Fittings are Schedule 40, 150# BMI.
- This Fire Suppression System has been designed so the customer can add additional coverage, if needed, in the future.
- Pipe is Schedule 40, 1" (black, chrome or stainless steel) pipe.
- Pipe is Schedule 40, 3/4" (black, chrome or stainless steel) pipe.
- Piping Requirements: Piping diagrams include limitations on pipe length and fittings. System piping must be balanced. Balanced piping is that in which the difference between the shortest actual pipe length from the 1" tee to the nozzle and the longest actual pipe length from the 1" tee to the nozzle does not exceed 10% of the actual pipe length from tee to nozzle. The number and type of fittings for both tee to nozzle sections must be equal.
- Remote pull station shall be 48" above finished floor and in the path of egress.
- System shall have manual and automatic methods of actuation.
- Upon activation of system all electrical & fuel must shut down.

System Materials

Item Number	Description	Flow	Qty
16172	Total Flood (TF)	9.0	9
16174	Three-Way (3WAY)	2.0	2
16190	Duct and Plenum (DP)	4.0	4
16208	AGENT CYLINDER ÁSY – IS45AB		2
16207	AGENT CYLINDER ASY â€" IS35AB		3
16225	JOB LINK QUICK RESPONSE (200		14
12328	FUSIBLE LINK (360 F / 182 C)		2
16226	JOB LINK QUICK RESPONSE (286		2
12326	FUSIBLE LINK (212 F / 100 C)		1
18001	MRM - Mechanical Release Module		2
11993	Manual Pull Station - English - Recta		2
12856	Nitrogen Cylinder - 10 in(3)		2
10147	Pneumatic Control Head		5
12508	Detector Bracket Assembly - Includes		18
16235	Compression Seal - 3/4" EMT		12
22279	Quick Seal Corner Pulley Adapter - Fi		12
18252	Quick Seal - 1" Pipe		2
16386	Alarm Bell 6" 115 VAC		1
15765	Mechanical Time Delay		2

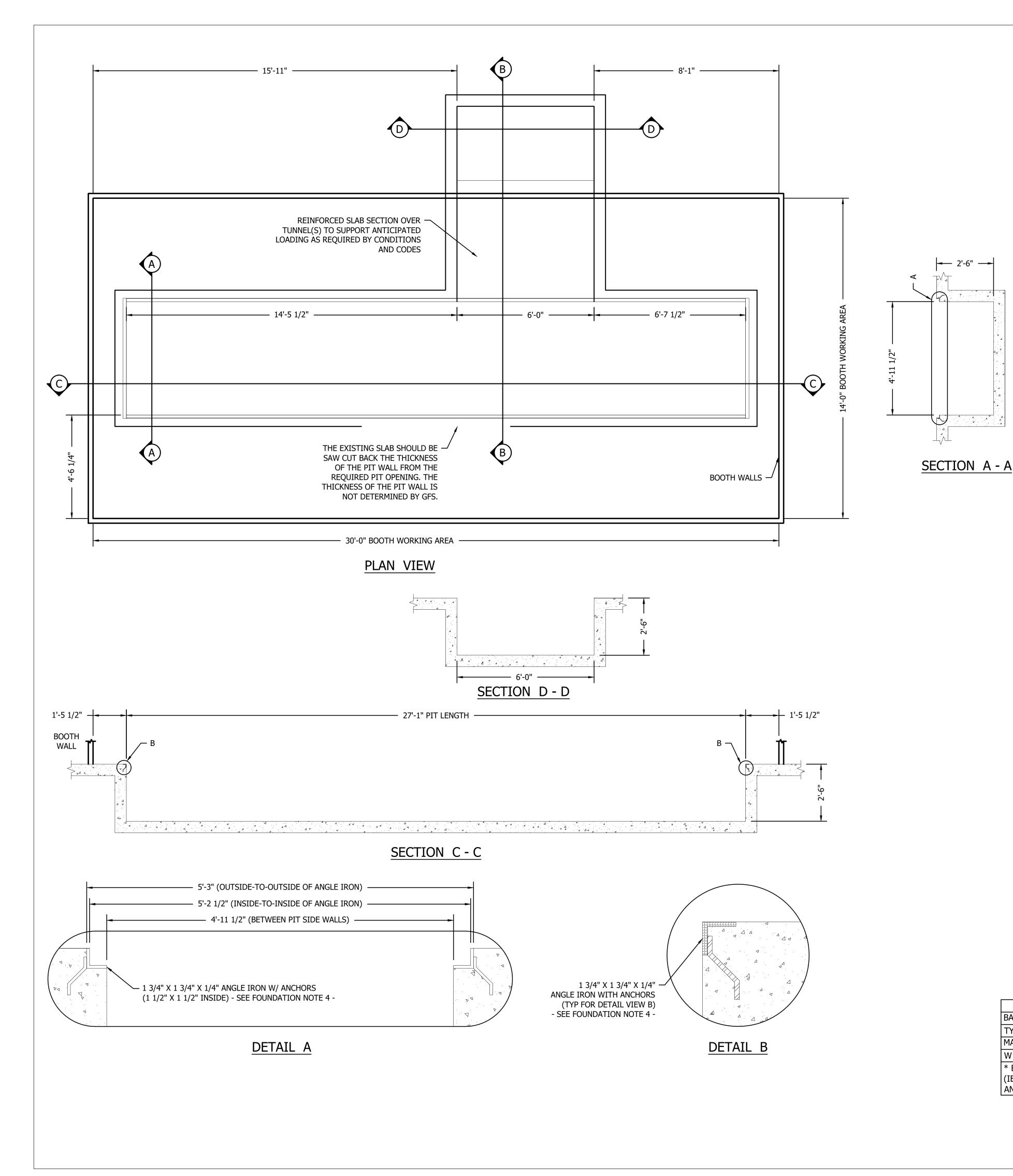
Total Flow Points: 15.0

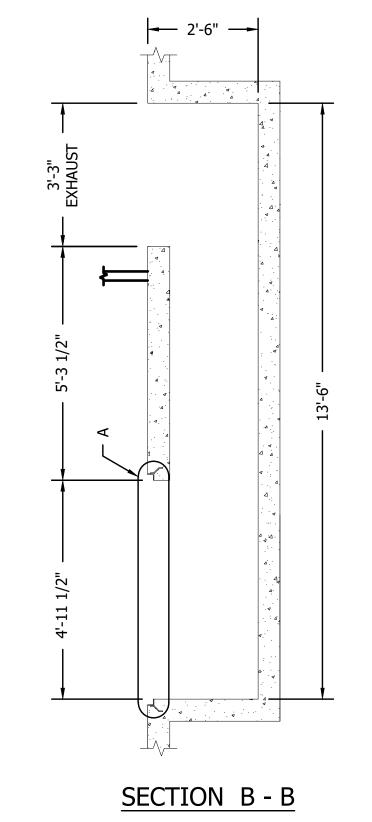


Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055

For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081





BAR SIZE (in)

W SERIES

MAX WHEEL LOAD (lbs) 1,850

* BASED ON A CONTACT LENGTH OF 9"

AND A MAXIMUM CLEAR SPAN OF 2'-4 1/2"

(IE 11 BARS/FT OF GRATING WIDTH)

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

19-W-4

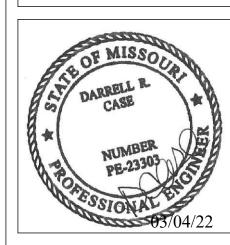
LIGHT DUTY

FOUNDATION NOTES

- CONTRACTOR SHALL VERIFY THAT THERE ARE NO INTERFERENCES BETWEEN EXISTING FOUNDATION (FTG. PADS, CON. FTGS, GRADE BEAM, TIES, ETC) AND PROPOSED PIT FOUNDATION.
- 2. DO NOT PLACE BACKFILL AGAINST WALL UNTIL THE WALL HAS BEEN ADEQUATELY SHORED.
- 3. WALL LOCATIONS TO BE WITHIN 1/4" OF DIMENSIONS SHOWN.
- 4. ALL ANGLE IRON HAS BEEN SHOWN AS A REFERENCE, SHOULD BE IN THE SCOPE OF THE FOUNDATION DESIGN, AND PROVIDED BY OTHERS. ADJUSTMENTS MUST BE MADE FOR ANGLE THICKNESS THAT VARY FROM $\frac{1}{4}$ " AS SHOWN IN DETAIL A.
- 5. THE DESIGN OF THE PIT GRATING AND ITS CAPACITY HAS BEEN PROVIDED IN A TABLE. DO NOT EXCEED THE WHEEL LOAD CAPACITY OF THE GRATING AS PROVIDED BY GFS. WHEELED VEHICLES WITH URETHANE TIRES SHOULD NEVER BE USED.
- 6. GRATINGS MUST BE INSTALLED WITH CROSS BARS ON TOP SIDE.
- 7. NOTCHING OF BEARING BARS AT SUPPORTS TO MAINTAIN PROPER ELEVATION IS GENERALLY NOT RECOMMENDED. IF NOTCHING IS REQUIRED FOR INSTALLATION, MANUFACTURER SHOULD BE CONSULTED.
- BAR GRATING SPECIFICATION 8. METAL SHOULD ALWAYS BE USED FOR ALL GRATING SUPPORTS.
 - 9. A MINIMUM OF 1" BEARING SHALL BE PROVIDED FOR ALUMINUM AND LIGHT DUTY STEEL GRATING. FOR HEAVY DUTY STEEL GRATING, 1" MINIMUM BEARING SHALL BE PROVIDED FOR BEARING BAR DEPTHS UP TO 2-1/4", AND 2" MINIMUM BEARING SHALL BE PROVIDED FOR DEPTHS OF 2-1/2" AND OVER. THIS BEARING SURFACE DOES NOT INCLUDE THE SUPPORT ANGLE FILLET RADIUS.
 - 10. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. CUSTOMER MUST CHECK EQUIPMENT SIZE, LOCATION IN BUILDING AND ALL CLEARANCES TO BUILDING AND CONTENTS.
 - 11. DEPTH DIMENSIONS ARE BASED ON HAVING A 6" SLAB OVER THE EXHAUST TUNNEL. IF STRUCTURAL ANALYSIS INDICATES THAT A THICKER SLAB IS REQUIRED, PIT DEPTH SHOULD BE INCREASED ACCORDINGLY AND GFS NOTIFIED SO TALLER PIT RAILS CAN BE PROVIDED.

Engineering Inc

AUTOMOTIVE TECHNOLOGY, II 544 MAE COURT FENTON, MO 63026



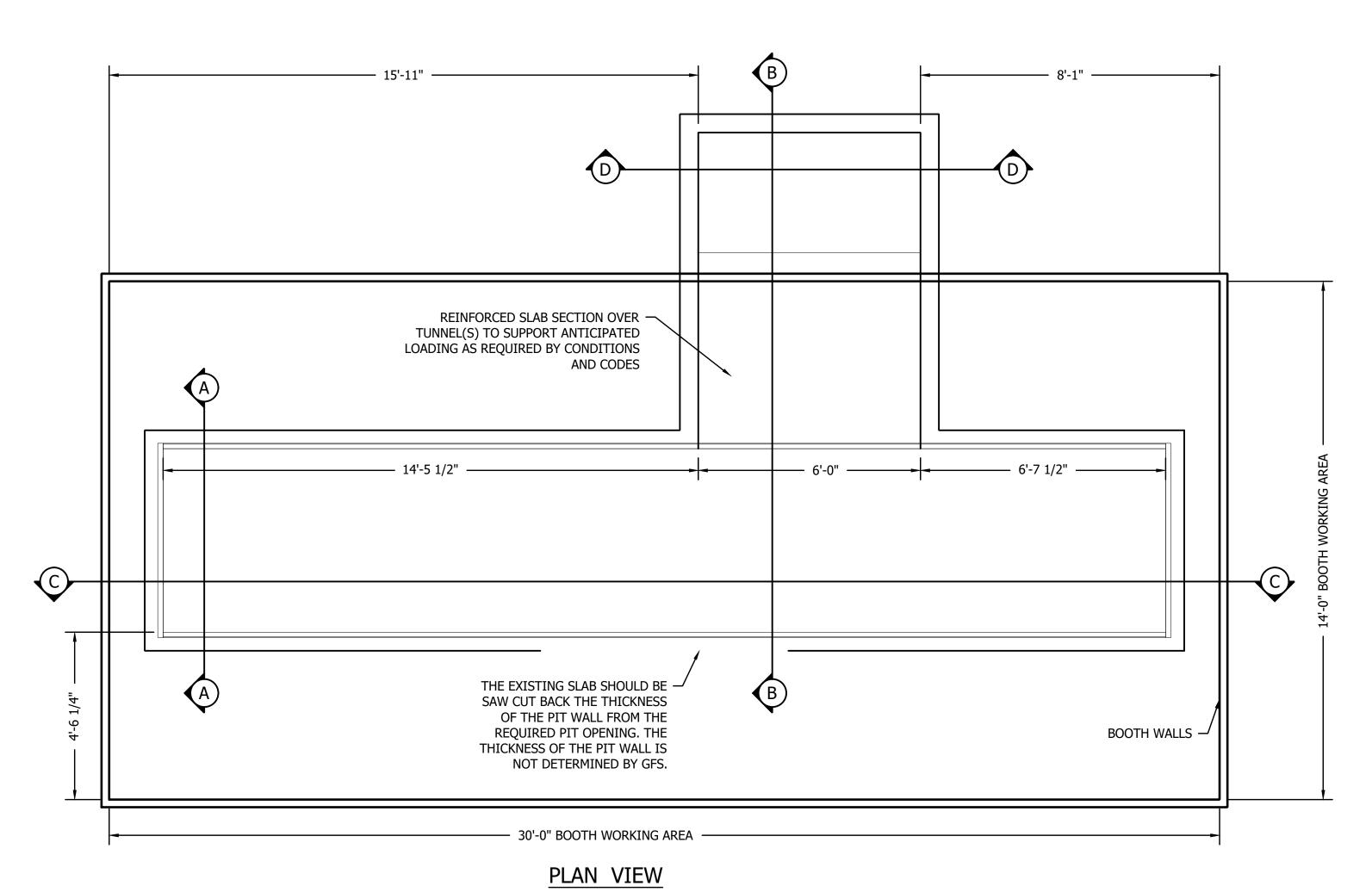
CRASH CHAMPIONS -LEE SUMM
PAINT BOOTH
451 SE OLDHAM PKWY
LEE SUMMIT, MO 64081

No.	Description	Date
	·	

PAINT BOOTH SPECIFICATIONS

	Project #
	Issue Date
	Drawn by
	Checked by

Scale



SECTION D - D 1'-5 1/2" 1'-5 1/2" 27'-1" PIT LENGTH BOOTH WALL SECTION C - C \cdot 5'-3" (OUTSIDE-TO-OUTSIDE OF ANGLE IRON) -5'-2 1/2" (INSIDE-TO-INSIDE OF ANGLE IRON) -- 4'-11 1/2" (BETWEEN PIT SIDE WALLS) ——

1 3/4" X 1 3/4" X 1/4" ANGLE IRON W/ ANCHORS (1 1/2" X 1 1/2" INSIDE) - SEE FOUNDATION NOTE 4 -

DETAIL A

Δ. Δ. Δ. Δ.

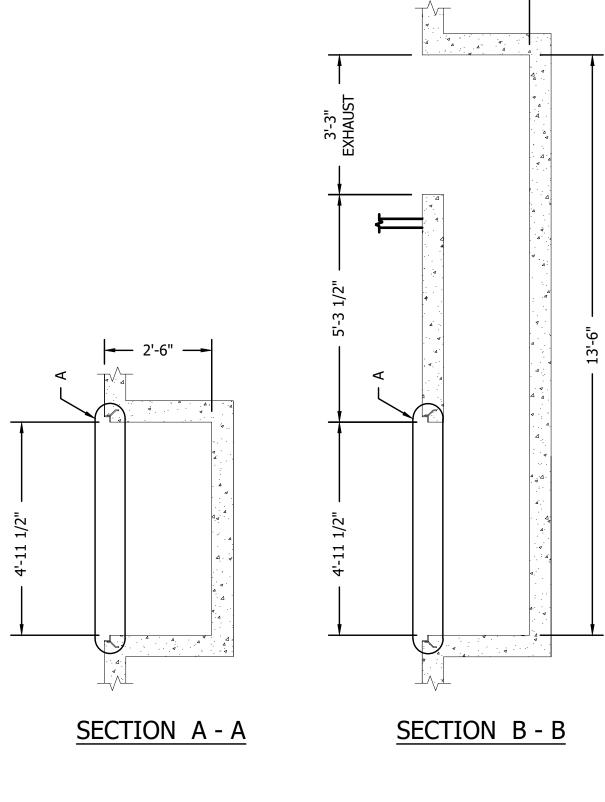
DETAIL B

1 3/4" X 1 3/4" X 1/4" -

ANGLE IRON WITH ANCHORS

- SEE FOUNDATION NOTE 4 -

(TYP FOR DETAIL VIEW B)



BAR SIZE (in)

W SERIES

MAX WHEEL LOAD (lbs) 1,850

* BASED ON A CONTACT LENGTH OF 9"

AND A MAXIMUM CLEAR SPAN OF 2'-4 1/2"

(IE 11 BARS/FT OF GRATING WIDTH)

TYPE

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

19-W-4

LIGHT DUTY

FOUNDATION NOTES

- 1. CONTRACTOR SHALL VERIFY THAT THERE ARE NO INTERFERENCES BETWEEN EXISTING FOUNDATION (FTG. PADS, CON. FTGS, GRADE BEAM, TIES, ETC) AND PROPOSED PIT FOUNDATION.
- 2. DO NOT PLACE BACKFILL AGAINST WALL UNTIL THE WALL HAS BEEN ADEQUATELY SHORED.
- 3. WALL LOCATIONS TO BE WITHIN 1/4" OF DIMENSIONS SHOWN.
- 4. ALL ANGLE IRON HAS BEEN SHOWN AS A REFERENCE, SHOULD BE IN THE SCOPE OF THE FOUNDATION DESIGN, AND PROVIDED BY OTHERS. ADJUSTMENTS MUST BE MADE FOR ANGLE THICKNESS THAT VARY FROM $\frac{1}{4}$ " AS SHOWN IN DETAIL A.
- 5. THE DESIGN OF THE PIT GRATING AND ITS CAPACITY HAS BEEN PROVIDED IN A TABLE. DO NOT EXCEED THE WHEEL LOAD CAPACITY OF THE GRATING AS PROVIDED BY GFS. WHEELED VEHICLES WITH URETHANE TIRES SHOULD NEVER BE USED.
- 6. GRATINGS MUST BE INSTALLED WITH CROSS BARS ON TOP SIDE.
- BAR GRATING SPECIFICATION 7. NOTCHING OF BEARING BARS AT SUPPORTS TO MAINTAIN PROPER ELEVATION IS GENERALLY NOT RECOMMENDED. IF NOTCHING IS REQUIRED FOR INSTALLATION, MANUFACTURER SHOULD BE CONSULTED.
 - 8. METAL SHOULD ALWAYS BE USED FOR ALL GRATING SUPPORTS.
 - 9. A MINIMUM OF 1" BEARING SHALL BE PROVIDED FOR ALUMINUM AND LIGHT DUTY STEEL GRATING. FOR HEAVY DUTY STEEL GRATING, 1" MINIMUM BEARING SHALL BE PROVIDED FOR BEARING BAR DEPTHS UP TO 2-1/4", AND 2" MINIMUM BEARING SHALL BE PROVIDED FOR DEPTHS OF 2-1/2" AND OVER. THIS BEARING SURFACE DOES NOT INCLUDE THE SUPPORT ANGLE FILLET RADIUS.
 - 10. ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. CUSTOMER MUST CHECK EQUIPMENT SIZE, LOCATION IN BUILDING AND ALL CLEARANCES TO BUILDING AND CONTENTS.
 - 11. DEPTH DIMENSIONS ARE BASED ON HAVING A 6" SLAB OVER THE EXHAUST TUNNEL. IF STRUCTURAL ANALYSIS INDICATES THAT A THICKER SLAB IS REQUIRED, PIT DEPTH SHOULD BE INCREASED ACCORDINGLY AND GFS NOTIFIED SO TALLER PIT RAILS CAN BE PROVIDED.

544 MAE COURT FENTON, MO 63026

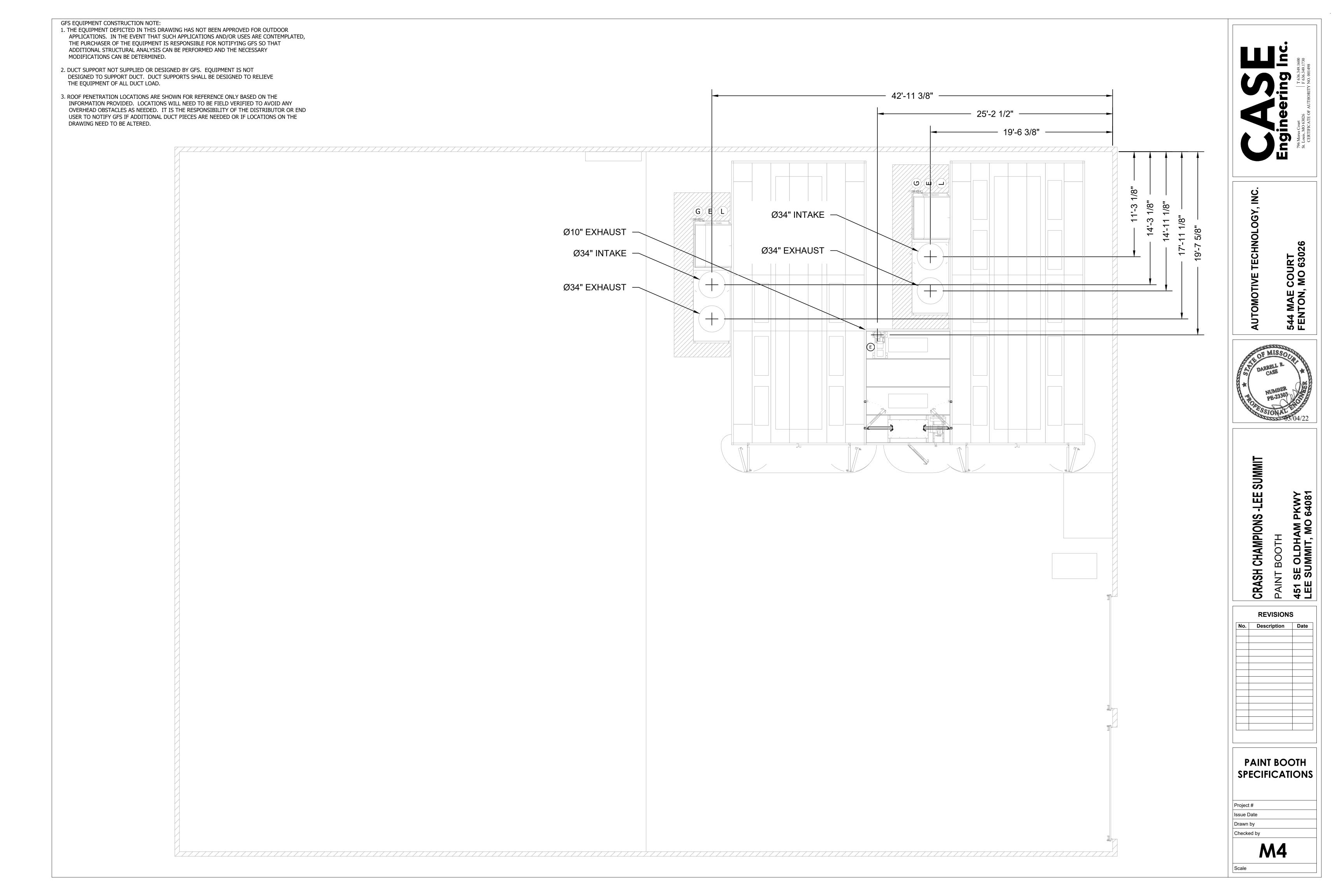


SUMIN CRASH CHAMPIONS -LEE

No.	Description	D
	2000p	+-

PAINT BOOTH
SPECIFICATIONS

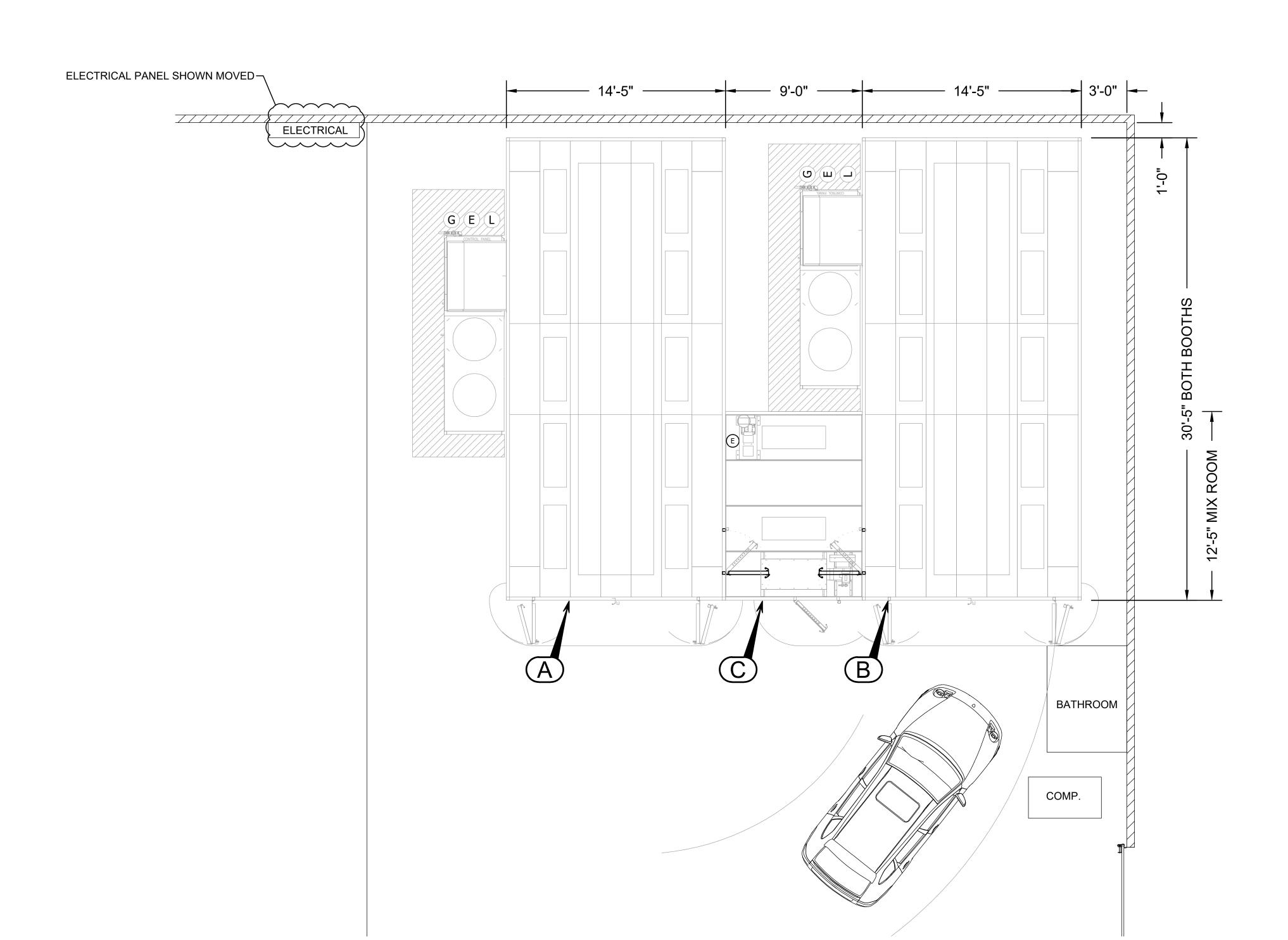
	Project #
	Issue Date
	Drawn by
	Checked by



GFS EQUIPMENT CONSTRUCTION NOTE: 1. GAS SUPPLY REQUIRED (BY OTHERS) TO GAS CONNECTION POINT (G). MINIMUM GAS PRESSURE IS REQUIRED AT MAXIMUM VOLUME CONSUMED. MINIMUM CIRCUIT CAPACITY IS REQUIRED (BY OTHERS) TO CONNECTION POINT (E). LIGHTING CIRCUIT IS REQUIRED (BY OTHERS) TO CONNECTION POINT (L).

- 2. THE EQUIPMENT DEPICTED IN THIS DRAWING HAS NOT BEEN APPROVED FOR OUTDOOR APPLICATIONS. IN THE EVENT THAT SUCH APPLICATIONS AND/OR USES ARE CONTEMPLATED, THE PURCHASER OF THE EQUIPMENT IS RESPONSIBLE FOR NOTIFYING GFS SO THAT ADDITIONAL STRUCTURAL ANALYSIS CAN BE PERFORMED AND THE NECESSARY MODIFICATIONS CAN BE DETERMINED.
- 3. DUCT SUPPORT NOT SUPPLIED OR DESIGNED BY GFS. EQUIPMENT IS NOT DESIGNED TO SUPPORT DUCT. DUCT SUPPORTS SHALL BE DESIGNED TO RELIEVE THE EQUIPMENT OF ALL DUCT LOAD.

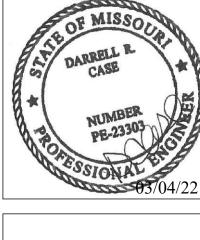
PROPANE | 1323529



				AIR H	IEATER		_		MOTOR MIN				LIGHTI	NG CIRCUIT			ELECTR	RICAL REQUIREN	MENTS	_
A	MAX AIR FLOW RATE	INTAKE / EXHAUST MOTOR	FUEL	MAX FIRING RATE	MIN INLET PRESS. AT MAX FIRING RATE	MAX INLET PRESS.		INLET PIPE -	MOTOR SPECIFICATIONS 15HP INTAKE, 15HP EXHAUST			W /MINIMUM CIRCUIT 230V 3PH 480V 3PH	QUANTITY OF LIGHT	MINIMUM CIRCUIT	(C)		ELECTRICAL DEVICE	MOTOR	FULL LOAD AMP DRAW	MINIMUM CIRCUIT CAPACITY
ULTRA XL DOWNDRAFT BOOTH	(CFM)	(HP)	NATURAL	(BTU/HR)	(INWC)	(PSI)	(°F)	(IN)				44.0 /	FIXTURES (4-TUBE, 6-TUBE, STD	CAPACITY (AMPS)	ULTRA XD MIX ROOM	EXHAUST FAN &	FAN MOTOR (EACH)	1/2HP, 120V, 1PH	9.8	
30'L x 14'W x 12'H INSIDE	15205	15 / 15	GAS	1512605 1323529		5.0	91 80	1 1/4	NO ADVANCE CURE			55.0	OR LED)	120V 277V 30 20	12'L x 9'W x 9'H INSIDE	INTAKE FAN	LIGHT FIXTURES	120V / 277V	1.0 / 0.5 (EACH)	- 30 AMP
				AIR H	IEATER				MOTOR MIN	IMUM CI	RCUIT (CAPACITY	LIGHTI	NG CIRCUIT						
B ULTRA XD	MAX AIR FLOW RATE (CFM)	INTAKE / EXHAUST MOTOR (HP)	FUEL	MAX FIRING RATE (BTU/HR)	MIN INLET PRESS. AT MAX FIRING RATE (INWC)	MAX INLET PRESS. (PSI)	TEMP. RISE (°F)	INLET PIPE - SIZE NPT - (IN)	MOTOR SPECIFICATIONS 15HP INTAKE, 15HP EXHAUST			W /MINIMUM CIRCUIT 230V 3PH 480V 3PH	QUANTITY OF LIGHT FIXTURES (4-TUBE,	SINGLE PHASE MINIMUM CIRCUIT CAPACITY (AMPS)						
DOWNDRAFT BOOTH 30'L x 14'W x 9'H INSIDE	15205	15 / 15	NATURAL GAS	1512605	13.0	5.0	91	1 1/4	NO ADVANCE CURE			44.0 / 55.0	6-TUBE, STD OR LED)	120V 277V						

30



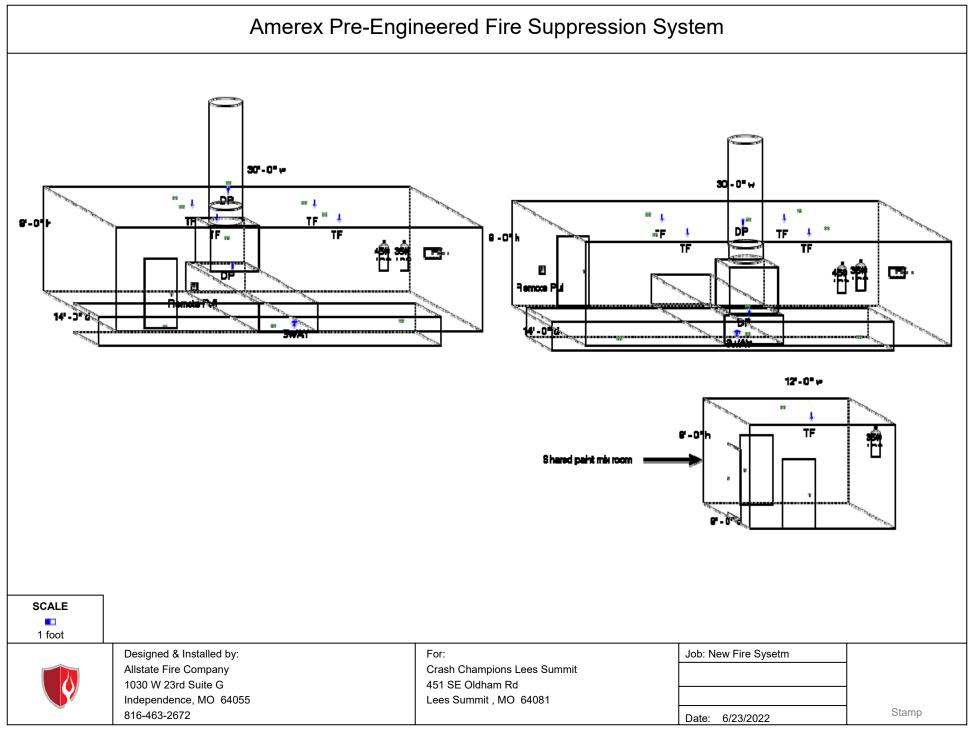


CRASH CHAMPIONS -LEE SUMN

No.	Description	Date		

PAINT BOOTH
SPECIFICATION

Project #
Issue Date
Drawn by
Checked by



Notes

- A plastic cap which covers the nozzle tip to keep grease, dirt, or foreign material from plugging the orifice.
- The Industrial Dry Chemical Fire Suppression System has been installed in accordance with NFPA 17, NFPA 33, and the local I.M.C. Codes.
- The Industrial Dry Chemical Fire Suppression System has been evaluated by Underwriters Laboratories (UL) in accordance with the specific test protocol found in the UL1254 Standard (Pre-Engineered Dry Chemical System Units).
- All Electric work to be to be performed by the customer's Licensed Electrician.
- Exhaust Fan VPSB required to shut down prior to discharge.
- Fire Suppression System to be tied into by the customer's Licensed Fire Alarm Company.
- Fittings are Schedule 40, 150# BMI.
- This Fire Suppression System has been designed so the customer can add additional coverage, if needed, in the future.
- Pipe is Schedule 40, 1" (black, chrome or stainless steel) pipe.
- Pipe is Schedule 40, 3/4" (black, chrome or stainless steel) pipe.

System Materials

Item Number	Description	Flow	Qty
16172	Total Flood (TF)	9.0	9
16174	Three-Way (3WAY)	2.0	2
16190	Duct and Plenum (DP)	4.0	4
16208	AGENT CYLINDER ASY – IS45ABC		2
16207	AGENT CYLINDER ASY – IS35ABC		3
16225	JOB LINK QUICK RESPONSE (200 F / 93 C)		14
12328	FUSIBLE LINK (360 F / 182 C)		2
16226	JOB LINK QUICK RESPONSE (286 F / 141 C)		2
12326	FUSIBLE LINK (212 F / 100 C)		1
18001	MRM - Mechanical Release Module		2
11993	Manual Pull Station - English - Rectangular		2
12856	Nitrogen Cylinder - 10 in(3)		2
10147	Pneumatic Control Head		5
12508	Detector Bracket Assembly - Includes Bracket, Linkage & Con		18
16235	Compression Seal - 3/4" EMT		12
22279	Quick Seal Corner Pulley Adapter - Fits CP5		12
18252	Quick Seal - 1" Pipe		2
16386	Alarm Bell 6" 115 VAC		1
15765	Mechanical Time Delay		2

Total Flow Points: 15.0



Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For-

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

Notes

- Piping Requirements: Piping diagrams include limitations on pipe length and fittings. System piping must be balanced. Balanced piping is that in which the difference between the shortest actual pipe length from the 1" tee to the nozzle and the longest actual pipe length from the 1" tee to the nozzle does not exceed 10% of the actual pipe length from tee to nozzle. The number and type of fittings for both tee to nozzle sections must be equal.

- Remote pull station shall be 48" above finished floor and in the path of egress.

- System shall have manual and automatic methods of actuation.

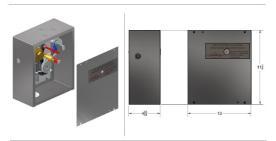
- Upon activation of system all electrical & fuel must shut down.



Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

MECHANICAL RELEASE MODULE



P/N: 18001

The new MRM combines the same features and functionality as the original MRM along with increased detection capabilities and far simpler means of setting the detection cable tension. The slide plate and collapsible column are now Teflon coated. The MRM is available in the above configurations, now preinstalled in its own enclosure.

Setting the detection cable tension does not require the use of any tools (once the cable is locked down into the large, knurled ratchet wheel). A large lever to the right of the ratchet wheel is used to increase the cable tension. Alignment of the bottom edge of the lever with markings on a label indicates when the proper tension has been achieved. Lowering cable tension to change out detection links is now also much simpler.

There is also a MRM available without the enclosure, P/N 11977. This has the same purpose and functionality as the MRM (P/N 18001). It is often used in conjunction with the Single

NITROGEN ACTUATION CYLINDERS



Part No.	12856 (10 in ³)					
Diameter	1.998 in	5.07 cm				
Length	6 3/8 in	16.19 cm				
Part No.	09956 (15 in ³)					
Diameter	1.998 in	5.07 cm				
Length	9 11/25 in	24 cm				

Typical Pressure	12856	/ 09956
@ 40F	~1700 PSI	~11722 kPa
@ 70F	1800 PSI	12411 kPa
@ 100F	~1900 PSI	~12893 kPa

P/N: 12856 / 09956

The N2 Actuation Cylinder supplies nitrogen gas pressure to the Agent Cylinder Discharge Valve through the actuation network for the purpose of opening the Agent Cylinder. Each Actuation Cylinder is charged to 1800 psig (12410 KPa) at 70°F (21°C)

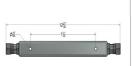
The 10 in No. Actuation Cylinder (P/N 12856) contains enough nitrogen to actuate up to ten total of Models 275 / 375 / 475 Agent Cylinders Assemblies in any combination. A total of six Model 600 Agent Cylinders Assemblies OR a total of six Agent Cylinders when the mix contains at least one Model 600 Agent Cylinder Assemblies.

The 15 in 3 N2 Actuation Cylinder (P/N 09956) contains enough nitrogen to actuate up to ten total of Models 275 / 375 / 475 & 600 Agent Cylinders Assemblies in any combination.

A Replacement Rupture Disc (P/N 09958) is available for both cylinders for use by certified

FUSIBLE / JOB LINK DETECTOR BRACKET





P/N: 12508

Each Detector Bracket in the AMEREX KP System is comprised of three parts the Detector Bracket, Detector Linkage and two EMT fittings. The fusible link is ordered separately. The bracket serves as support for the linkage and is attached to a rigid surface. The linkage supports the fusible link and a continuous cable run under tension. At a predetermined temperature the fusible link will separate, relieving tension on the cable and actuating the

KP600 PNEUMATIC ACTUATOR



P/N: 10147

The Pneumatic Actuator is required for every pneumatically actuated. KP600 Agent Cylinder Assembly. The actuator is botted directly to the top of the agent cylinder discharge valve. When actuation occurs at the MRM or PRM, the pneumatic pressure from the nitrogen cylinder enters the actuator through 3½ "NPT threaded ports on either side. The actuation pressure forces the piston inside to extend and depress the valve stem of the discharge valve. Resetting is easier than the previous discontinued

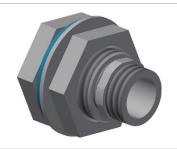




Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055 For

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

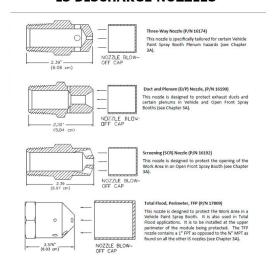
QUICK SEAL CORNER PULLY ADAPTER



P/N 22279 - EMT THREAD - HOLE SIZE 1-1/8" DIA.

This listed mechanical bulkhead fitting provides a close connection to a CP5 corner pulley. The close coupling of the two assist in alignment of the conduit run to a detection bracket.

IS DISCHARGE NOZZLES





Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055

For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

Notes

- A plastic cap which covers the nozzle tip to keep grease, dirt, or foreign material from plugging the orifice.
- The Industrial Dry Chemical Fire Suppression System has been installed in accordance with NFPA 17, NFPA 33, and the local I.M.C. Codes.
- The Industrial Dry Chemical Fire Suppression System has been evaluated by Underwriters Laboratories (UL) in accordance with the specific test protocol found in the UL1254 Standard (Pre-Engineered Dry Chemical System Units).
- All Electric work to be to be performed by the customer's Licensed Electrician.
- Exhaust Fan VPSB required to shut down prior to discharge.
- Fire Suppression System to be tied into by the customer's Licensed Fire Alarm Company.
- Fittings are Schedule 40, 150# BMI.
- This Fire Suppression System has been designed so the customer can add additional coverage, if needed, in the future.
- Pipe is Schedule 40, 1" (black, chrome or stainless steel) pipe.
- Pipe is Schedule 40, 3/4" (black, chrome or stainless steel) pipe.
- Piping Requirements: Piping diagrams include limitations on pipe length and fittings. System piping must be balanced. Balanced piping is that in which the difference between the shortest actual pipe length from the 1" tee to the nozzle and the longest actual pipe length from the 1" tee to the nozzle does not exceed 10% of the actual pipe length from tee to nozzle. The number and type of fittings for both tee to nozzle sections must be equal.
- Remote pull station shall be 48" above finished floor and in the path of egress.
- System shall have manual and automatic methods of actuation.
- Upon activation of system all electrical & fuel must shut down.

System Materials

Item Number	Description	Flow	Qty
16172	Total Flood (TF)	9.0	9
16174	Three-Way (3WAY)	2.0	2
16190	Duct and Plenum (DP)	4.0	4
16208	AGENT CYLINDER ÁSY – IS45AB		2
16207	AGENT CYLINDER ASY â€" IS35AB		3
16225	JOB LINK QUICK RESPONSE (200		14
12328	FUSIBLE LINK (360 F / 182 C)		2
16226	JOB LINK QUICK RESPONSE (286		2
12326	FUSIBLE LINK (212 F / 100 C)		1
18001	MRM - Mechanical Release Module		2
11993	Manual Pull Station - English - Recta		2
12856	Nitrogen Cylinder - 10 in(3)		2
10147	Pneumatic Control Head		5
12508	Detector Bracket Assembly - Includes		18
16235	Compression Seal - 3/4" EMT		12
22279	Quick Seal Corner Pulley Adapter - Fi		12
18252	Quick Seal - 1" Pipe		2
16386	Alarm Bell 6" 115 VAC		1
15765	Mechanical Time Delay		2

Total Flow Points: 15.0



Designed & Installed by: Allstate Fire Company 1030 W 23rd Suite G Independence, MO 64055

For:

Crash Champions Lees Summit 451 SE Oldham Rd Lees Summit , MO 64081

GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON DRAWINGS. IN CASE OF CONFLICT BETWEEN GSN, DETAILS AND PLANS, THE GREATER REQUIREMENTS GOVERN

DESIGN INFORMATION:

BOOTH AND EQUIPMENT HAS BEEN DESIGNED BASED ON THE CURRENT EDITION OF THE INTERNATIONAL BUILDING CODE

SEISMIC IMPORTANCE FACTOR: IE=1
MAPPED SPECTRAL RESPONSE ACCELERATION: Ss =0,100 S1 =0,068 SITE CLASS: D (ASSUMED)
SPECTRAL RESPONSE COEFFICIENT:

Sds=0.107 Sd1=0.109 SEISMIC DESIGN CATEGORY: B SEISMIC-FORCE-RESISTING SYSTEMS:

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS RESPONSE MODIFICATION FACTOR: R=3 SEISMIC RESPONSE COEFFICIENT: CS=0.036
LIGHT-FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER

RESPONSE MODIFICATION FACTOR: R=2 SEISMIC RESPONSE COEFFICIENT: Cs=0.054 ANALYSIS PROCEDURE USED: **EQUIVALENT LATERAL FORCE PROCEDURE**

BASIC WIND SPEED: 109 MPH (PORTIONS OF EQUIPMENT THAT IS OUTDOOR ONLY - IE STACKS AND STANDS)

BUILDING CATEGORY: INDOOR EXPOSURE: C LATERAL LIVE LOAD: 5 PSF

DEAD LOADS: SELF-WEIGHT OF STRUCTURAL STEEL

3,2 PSF (ROOF) 5.7 PSF (WALLS)

BOOTH ROOF LIVE LOADS: N/A PSF LIVE LOADS: 300 LBS AT MIDPOINT OF FRAME BEAM

- FOUNDATION INFORMATION:

CAPACITY OF THE FOUNDATION/SLAB TO SUPPORT GFS BOOTHS AND EQUIPMENT IS NOT THE RESPONSIBILITY OF GFS.

ANCHORS INDICATED ARE BASED ON ASSUMPTIONS OF EXISTING CONDITIONS (LISTED BELOW), THESE ASSUMPTIONS ARE MADE IN ORDER FOR GFS TO PROVIDE ANCHOR BOLT HOLES IN THE BASE PLATES AND PANELS, EXISTING CONDITIONS SHOULD BE VERIFIED BY THE OWNER AND ANY DEVIATIONS SHOULD BE CONVEYED TO GFS PRIOR TO FABRICATION.

1/4" # SCREW ANCHOR - 1/4" # POWERS (DEWALT) SCREW-BOLT+ SCREW ANCHORS EMBEDDED 1 15/16" PER ICC ESR-3889 TO SECURE PANELS TO CONCRETE, IN LIEU OF THE POWERS (DEWALT) ANCHOR, 1/4" PHILIT KWIK HUS-EZ SCREW ANCHORS EMBEDDED 1 15/16" PER ICC ESR-3027 MAY BE USED. EACH WALL/BAY IS REQUIRED TO HAVE ANCHORS AT 18" O.C. MAX, UNLESS NOTED OTHERWISE, EACH WALL SHALL HAVE (1) ANCHOR 6" MAXIMUM FROM END OR CORNER AND A MINIMUM OF (2) ANCHOR PER WALL/BAY, INSTALL ANCHORS PER MANUFACTURER'S RECOMMENDATION, SEE DETAILS FOR ADDITIONAL INFORMATION, A PREAPPROVED ANCHOR WITH A CAPACITY EQUAL TO OR GREATER THAN THE SPECIFIED ANCHOR AND WITH A CURRENT ICC REPORT MAY BE USED IN LIEU OF THE ANCHOR SPECIFIED. ALL OTHER RESTRICTIONS (INCLUDING BUT NOT LIMITED TO EDGE DISTANCE AND EMBEDMENT) SHALL BE CONSIDERED.

3/8" WEDGE ANCHOR - 3/8" POWERS (DEWALT) POWER-STUD + SD1
WEDGE ANCHORS EMBEDDED 2" MINIMUM PER ICC ESR-2818. FOR OUTDOOR USE, USE 3/8" POWERS (DEWALT) POWER-STUD+ SD4
WEDGE ANCHORS EMBEDDED 2" MINIMUM PER ICC ESR-2502. IN LIEU OF THE POWERS (DEWALT) ANCHOR, 3/8" HILTI KWIK BOLT TZ
WEDGE ANCHORS EMBEDDED 2" MINIMUM PER ICC ESR-1917 MAY BE USED, STAINLESS STEEL HILTI KWIK BOLT TZ SHALL BE USED FOR OUTDOOR CONDITIONS. SEE DETAILS FOR NUMBER OF ANCHORS REQUIRED AND ADDITIONAL INFORMATION, INSTALL ANCHORS PER MANUFACTURER'S RECOMMENDATION. A PREAPPROVED ANCHOR WITH A CAPACITY EQUAL TO OR GREATER THAN THE SPECIFIED ANCHOR AND WITH A CURRENT ICC REPORT MAY BE USED IN LIEU OF THE ANCHOR SPECIFIED. ALL OTHER RESTRICTIONS (INCLUDING BUT NOT LIMITED TO EDGE DISTANCE AND EMBEDMENT) SHALL BE

ANCHOR SPECIFICATION IS BASED ON THE FOLLOWING ASSUMPTIONS OF EXISTING CONDITIONS:

- MINIMUM CONCRETE COMPRESSIVE STRENGTH 1S 2500 PSI.
- MINIMUM SLAB DEPTH IS 4".
- MINIMUM SLAB DEPTH FOR PAINT KITCHEN IS 6".

COLD-FORMED STEEL:

ALL COLD-FORMED STEEL MEETS THE REQUIREMENTS OF THE LATEST EDITION OF THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. ALL COLD-FORMED STEEL IS COMMERCIAL GRADE WITH A YIELD STRENGTH OF 24 KSI AND AN ULTIMATE STRENGTH OF 40 KSI.

STRUCTURAL STEEL:

ALL STRUCTURAL STEEL FABRICATION AND CONSTRUCTION COMPLY WITH THE LATEST AISC HANDBOOKS AND CODES.
ALL STEEL IS ASTM A36, EXCEPT AS FOLLOWS:

- -- WIDE FLANGE SECTIONS ASTM A992, -- PIPE SECTIONS ASTM A53 GRADE B,
- -- HSS SECTIONS ASTM A500 GRADE B
 -- BOLTS ARE A325-N AND SHALL BE SNUG-TIGHTENED.

- WELDING:

WELDERS HOLD CURRENT VALID CERTIFICATES AND HAVE CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR.
STRUCTURAL STEEL WELDING WITH LOW HYDROGEN TYPE, E70 AND E60 FOR LIGHT GAUGE STEEL, STRUCTURAL STEEL WELDING CONFORMS TO THE "STRUCTURAL WELDING CODES-STEEL" AWS D1.1. CURRENT EDITION.

SOLUTIONS globalfinishing.com GLOBAL FINISHING S 12731 NORWAY ROAD OSSEO, WI 54758 USA 800-848-8738 globa

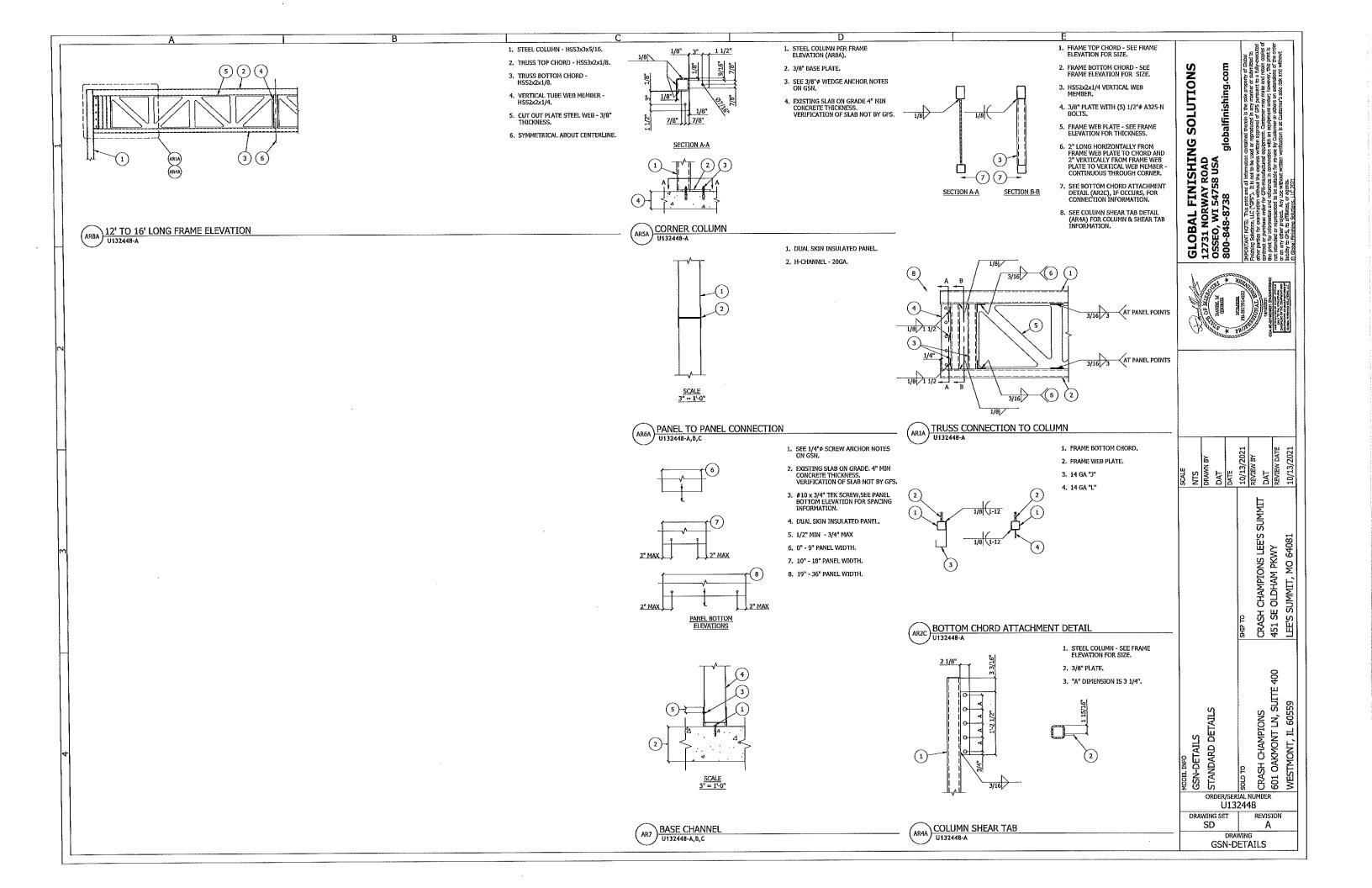


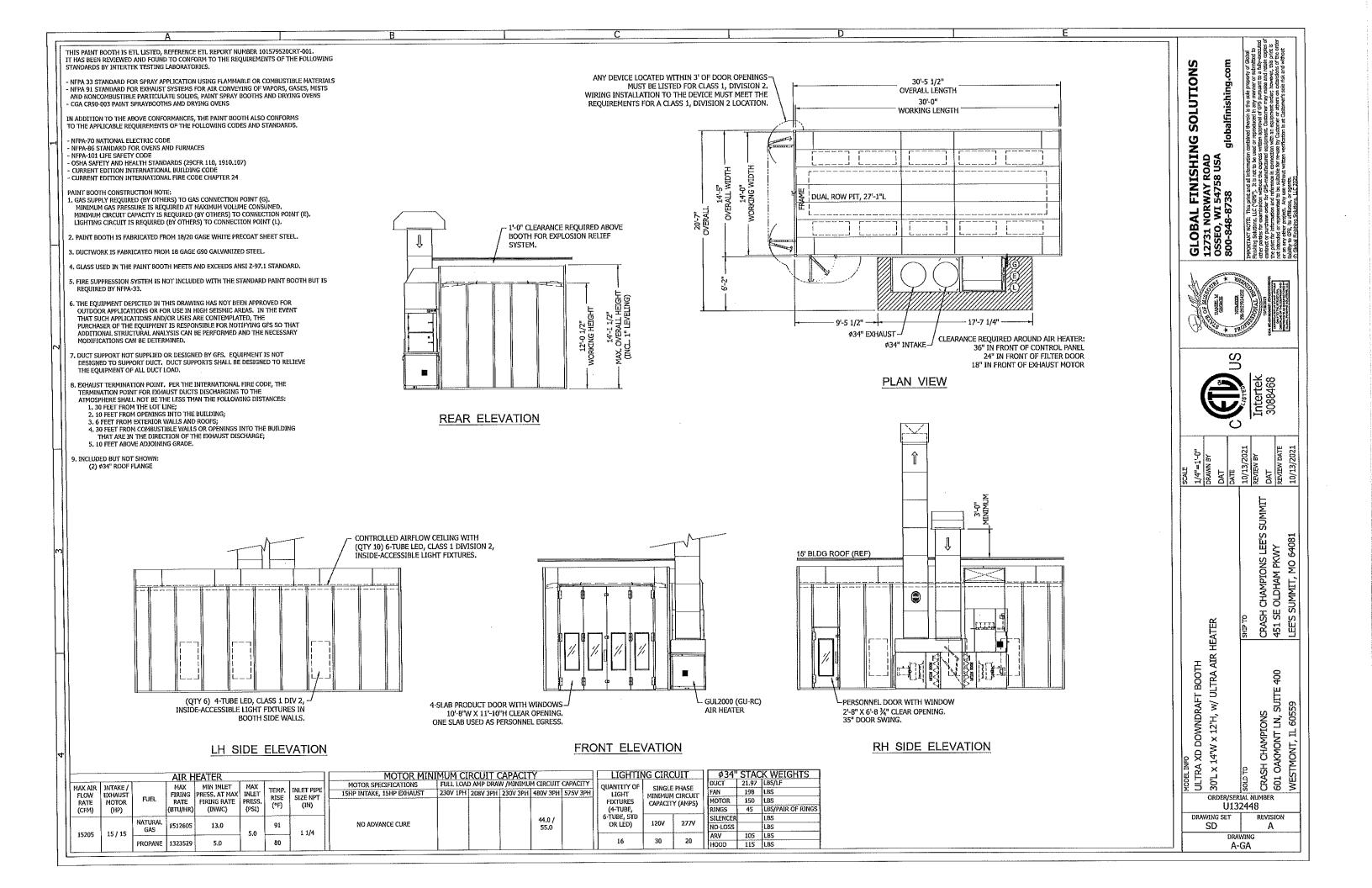
Digitally signed by

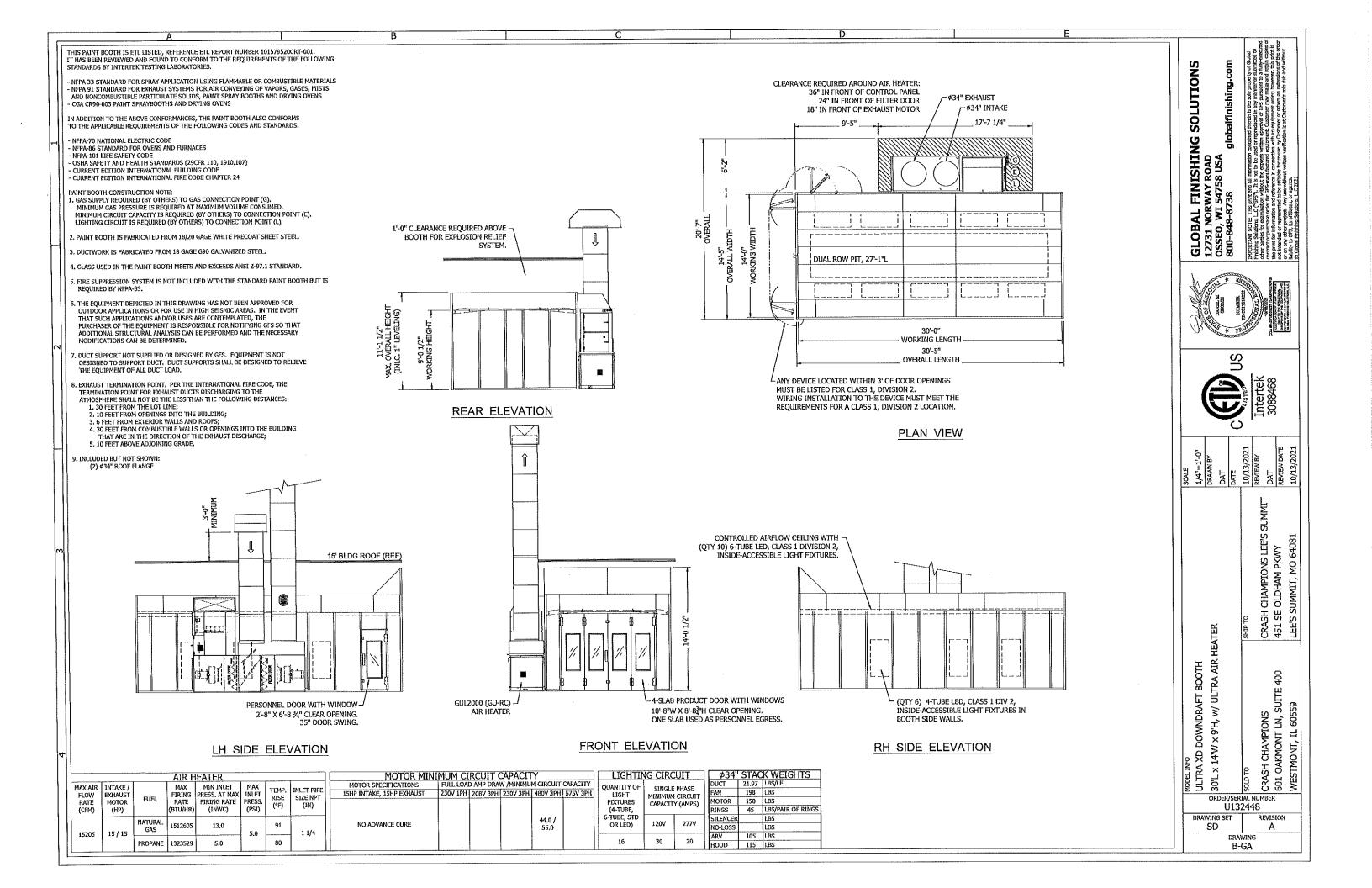
DANIEL M GEORGI

GFS. Date: 2021.10.18 08:02:30 -05'00'

SCALE NTS	DRAWN BY	DATE	10/13/2021	REVIEW BY	DAT	REVIEW DATE	10/13/2021
. Address:			SHIP TO	TIMM IS SILL I SINCIAN WITE TO ASS	CKASH CHAMPIONS LEE'S SOME	451 SE OLDHAM PKWY	LEE'S SUMMIT, MO 64081
MODEL INFO GSN-NOTES	GENERAL STRUCTURAL NOTES	/SER	SOLD TO		CKASH CHAMPIONS	601 OAKMONT LN, SUITE 400	WESTMONT, IL 60559
	ORDER L		1AL 24	18			
DRA	WING SE SD				vis A	ION	
	GS	dra N-1	WIN OV	G TES	S		







THIS PAINT MIX ROOM IS ETL LISTED, REFERENCE ETL REPORT NUMBER 100690377CRT-001. IT HAS BEEN REVIEWED AND FOUND TO CONFORM TO THE REQUIREMENTS OF THE FOLLOWING STANDARDS BY INTERTEK TESTING LABORATORIES.

- NEPA 33 STANDARD FOR SPRAY APPLICATION USING FLAMMABLE OR COMBUSTIBLE MATERIALS - NFPA 91 STANDARD FOR EXHAUST SYSTEMS FOR AIR CONVEYING OF VAPORS, GASES, MISTS AND NONCOMBUSTIBLE PARTICULATE SOLIDS, PAINT SPRAY BOOTHS AND DRYING OVENS

IN ADDITION TO THE ABOVE CONFORMANCES, THE MIX ROOM ALSO CONFORMS TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS.

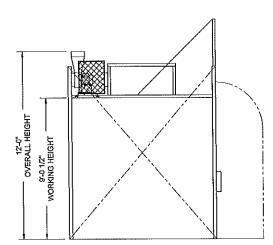
- NFPA-70 NATIONAL ELECTRIC CODE
 OSHA SAFETY AND HEALTH STANDARDS (29CFR 110, 1910.107)
 CURRENT EDITION INTERNATIONAL BUILDING CODE
 CURRENT EDITION INTERNATIONAL FIRE CODE CHAPTER 24

PAINT MIX ROOM CONSTRUCTION NOTE:

- 1. MAXIMUM PAINT STORAGE IN THE PAINT MIX ROOM IS 60 GALLONS.
- 2. MINIMUM CIRCUIT CAPACITY IS REQUIRED (BY OTHERS) TO CONNECTION
- 3, MIX ROOM IS FABRICATED FROM 18/20 GAGE WHITE PRECOAT SHEET STEEL.
- 4. DUCTWORK IS FABRICATED FROM 18 GAGE G90 GALVANIZED STEEL.
- 5. GLASS USED IN THE PAINT MIX ROOM MEETS AND EXCEEDS ANSI Z-97.1 STANDARD.
- 6. FIRE SUPPRESSION SYSTEM IS NOT INCLUDED WITH THE STANDARD MIX ROOM BUT IS
- 7. PAINT MIX ROOM EXHAUST FAN AIRFLOW RATE IS 949 CFM @ 1/2" OF STATIC PRESSURE (1,740 FPM) AND MUST BE OPERATIONAL AT ALL TIMES WHEN PAINT IS BEING STORED.
- 8. THE EQUIPMENT DEPICTED IN THIS DRAWING HAS NOT BEEN APPROVED FOR OUTDOOR APPLICATIONS OR FOR USE IN HIGH SEISMIC AREAS. IN THE EVENT THAT SUCH APPLICATIONS AND/OR USES ARE CONTEMPLATED, THE PURCHASER OF THE EQUIPMENT IS RESPONSIBLE FOR NOTIFYING 6FS SO THAT ADDITIONAL STRUCTURAL ANALYSIS CAN BE PERFORMED AND THE NECESSARY MODIFICATIONS CAN BE DETERMINED.
- 9. DUCT SUPPORT NOT SUPPLIED OR DESIGNED BY GFS. EQUIPMENT IS NOT DESIGNED TO SUPPORT DUCT. DUCT SUPPORTS SHALL BE DESIGNED TO RELIEVE THE EQUIPMENT OF ALL DUCT LOAD.
- 10. EXHAUST TERMINATION POINT. PER THE INTERNATIONAL FIRE CODE, THE TERMINATION POINT FOR EXHAUST DUCTS DISCHARGING TO THE ATMOSPHERE SHALL NOT BE LESS THAN THE FOLLOWING DISTANCES: 1, 30 FEET FROM THE LOT LINE;

 - 2. 10 FEET FROM OPENINGS INTO THE BUILDING; 3. 6 FEET FROM EXTERIOR WALLS AND ROOFS;
 - 4. 30 FEET FROM COMBUSTIBLE WALLS OR OPENINGS INTO THE BUILDING THAT ARE IN THE DIRECTION OF THE EXHAUST DISCHARGE;

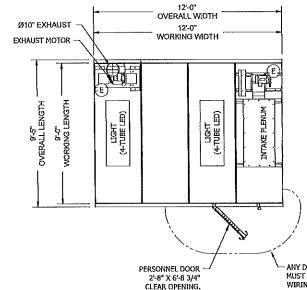
 - 5. 10 FEET ABOVE ADJOINING GRADE.
 6. 25 FEET FROM ANY UNPROTECTED OPENING IN AN NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE CONSTRUCTION THAT ARE IN THE DIRECTION OF THE
 - EXPANDS DISCHARGE.
 7. 26 FEET FROM ANY EXIT DISCHARGE OR PUBLIC WAY THAT ARE IN THE DIRECTION OF THE EXHAUST DISCHARGE.
- 11, INCLUDED BUT NOT SHOWN: (1) Ø10" ROOF FLANGE



LH SIDE ELEVATION

	ELECTR	ICAL REQUIREM	MENTS	
	ELECTRICAL DEVICE	MOTOR	FULL LOAD AMP DRAW	MENIMUM CIRCUIT CAPACITY
EXHAUST FAN &	FAN MOTOR (EACH)	1/2HP, 120V, 1PH	9.8	- 30 AMP
INTAKE FAN	LIGHT FIXTURES	120V / 277V	1.0 / 0.5 (EACH)	JU APE

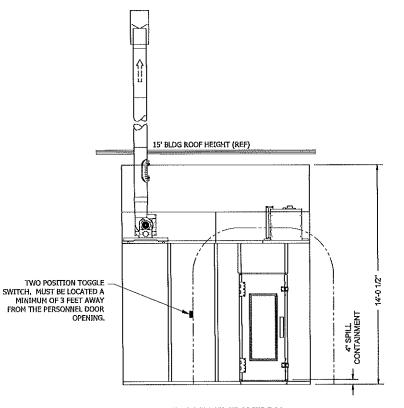
	Ø10"	STAC	X WEIGHTS
T.	DUCT	6.47	LBS/LF
'	FAN	45	LBS
	MOTOR	27	LBS
١	RINGS		LBS/PAIR OF RINGS
	SILENCER		LBS
	NO-LOSS		LBS
	ARV	24	LBS
	HOOD		LBS



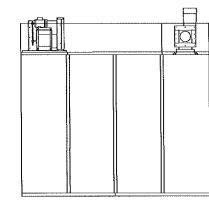
- ANY DEVICE LOCATED WITHIN 3' OF DOOR OPENING MUST BE LISTED FOR CLASS 1, DIVISION 2. WISTING INSTALLATION TO THE DEVICE MUST MEET THE REQUIREMENTS FOR A CLASS 1, DIVISION 2 LOCATION.

PLAN VIEW

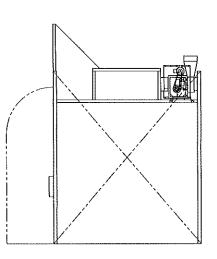
35" DOOR SWING.



FRONT ELEVATION



REAR ELEVATION



RH SIDE ELEVATION

MODEL INFO		SCALE		(
ULTRA XD PAINT MIX ROOM		3/8" = 1'-0"	(STATE OF THE PARTY	GLOBAL FINISHING SOLUTIONS
Q 01 × 12 W × 01 2 CTDED		DRAWN BY		TO STATE OF	12731 NORWAY ROAD
SDER		DAT	8	DANGE X	758 USA
/SEA		DATE		A STANDARD	800-848-8738 giobaimisming.com
SOLD TO	SHIP TO	10/13/2021	CISTED	Con manufacture All	MEORTANT NOTE: This orfit and all information contained therein is the sale property of Global
NU		REVIEW BY	7-4-1	THE TYPICAL AND	Finishing Solutions, LLC ("GFS"). It is not to be used or reproduced in any manner or submitted to
國 CRASH CHAMPIONS	CRASH CHAMPIONS LEE'S SUMMIT	+		10MM202H	other parties for examination without the express written approval of GFS pursuant to a fully-excelled contract or purchase order for GFS-manufactured equipment. Customer may make and retain copies of
CON TITULO IN LINCONNA C FOO ES	SACIO MALIO IO MA	<u></u>	3088468	CONTRACTOR CONTRACTOR AND	the print for information and reference in connection with an equipment order, however, this print is
BUT CANNION! LIN, SULLE 400	וייארי זיוארטוט מט בכד	REVIEW DATE)	Dear 10 The STRAIN CO. CONTINUE OF THE SQUAREST AND COMPOUNTS AS ALMANASTRAIN OF	not intended or represented to be suitable for re-use by Customer or others on extensions of the order or on any other project. Any use without written verification is at Customer's sole risk and without
WESTMONT, IL 60559	LEE'S SUMMIT, MO 64081	10/13/2021		CLDEAL PROSPRING ACUITORS (LLC.	Bability of 55, its affiliates, or agents. © Global Physine Solutions, ILC 2021

ORDER/SERIAL NUMBER U132448

> DRAWING C-GA

Α