



1. DOWNDRAFT BOOTH TO BE GLOBAL FINISHING SOLUTIONS.
2. PAINT BOOTH AND PRODUCT DOOR MEETS NFPA CODE 33.
3. EXHAUST FAN TO BE UL AND CSA CERTIFIED.
4. AIR VOLUME OF 4 CHANGES PER MIN @ 12,000 CFM FOR PAINT BOOTH. INTAKE FILTER POCKET STYLE, 95% AVERAGE ARRESTANCE. PLENUM FILTER 20"x48", 99% EFFICIENT AT REMOVING 10 MICRONS OR LARGER. EXHAUST FILER 20"x25", 99.6% AVERAGE ARRESTANCE.
5. FIRE SUPPRESSION SYSTEM BY OTHERS.
6. CONTRACTOR TO INSTALL NEW AIR SOLENOID VALVE AND ELECTRICALLY INTERLOCK VALVE IN THE PAINT BOOTH.
7. ALL INSTALLATION TO BE IN ACCORDANCE WITH LOCAL CODES, IMC, AND NFPA REGULATIONS.
8. VALVE TO PAINT BOOTH BY USE OF 3 PROXIMITY SWITCHES.
9. MIXING ROOM AND PRODUCT DOOR MEETS NFPA CODE 33.
10. AIR VOLUME OF 1 TO 2 CHANGES PER MIN @ 1150 CFM FOR MIXING ROOM.
11. SUPPLY AIR IS FILTERED THROUGH VILDON 5606.

SUPPLY UNIT SCHEDULE

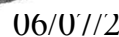
EXHAUST FAN SCHEDULE

1. SERVES PAINT BOOTHS.
2. VERIFY ELECTRICAL VOLTAGE AND PHASE WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING UNIT.
3. SEE SHEET M2 THROUGH M3 FOR MANUFACTURER'S DRAWINGS.
4. FANS TO BE NON-SPARKING.

- ① 34"Ø SUPPLY AIR DUCT UP THROUGH ROOF.
- ② CONNECT 2" GAS LINE TO EXISTING 2" GAS IN CEILING SPACE. VERIFY EXACT LOCATION IN FIELD.
- ③ 34"Ø EXHAUST AIR DUCT UP THROUGH ROOF.
- ④ FURNISH AND INSTALL NEW BOOTH MOUNTED EXHAUST FAN (EF-1), 7.5 HP. VERIFY VOLTAGE WITH OWNER REPRESENTATIVE. DUCT AND RAIN CAP TO TERMINATE ABOVE ROOF LINE.
- ⑤ ALL AIR INTAKES AND EXHAUSTS NEED TO BE SEPARATED BY A MINIMUM OF 10'-0".
- ⑥ FURNISH AND INSTALL NEW BOOTH MOUNTED SUPPLY FAN (SF-1), 15 HP. VERIFY VOLTAGE WITH OWNER REPRESENTATIVE. DUCT AND RAIN CAP TO TERMINATE ABOVE ROOF LINE.



544 MAE COURT
FENTON, MO 63026



CARSTAR OF LEE SUMMIT
PAINT BOOTH
22509 NE INDEPENDENCE
LEE SUMMIT MO 64064

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Project #
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M1

Scale

FIRE PROTECTION MUST COMPLY WITH SECTION 2404.4 OF INTERNATIONAL FIRE CODE. UNDER DEFERRED SUBMITTAL.

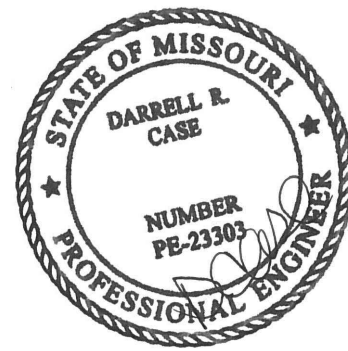
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Issue Date
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Checked by
M2
Scale

CASE
Engineering Inc.

796 Merus Court
St. Louis, MO 63126

AUTOMOTIVE TECHNOLOGY, INC.

544 MAE COURT
FENTON, MO 63026



04/24/23

CARSTAR OF LEE SUMMIT

PAINT BOOTH

2509 NE INDEPENDENCE
LEE SUMMIT, MO 64064

REVISIONS

No.	Description	Date

PAINT BOOTH
SPECIFICATIONS

Project #

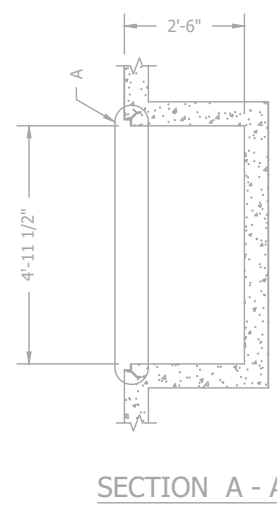
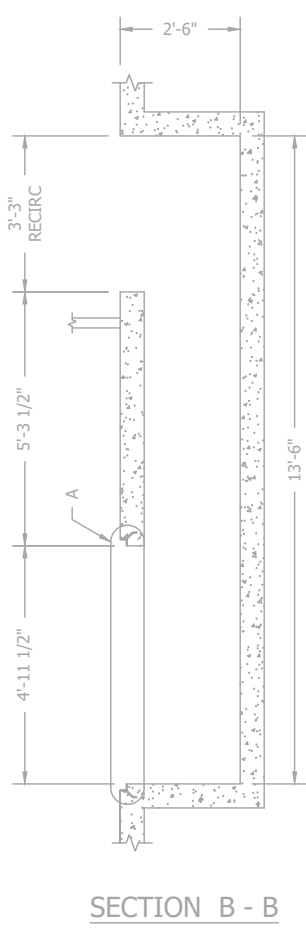
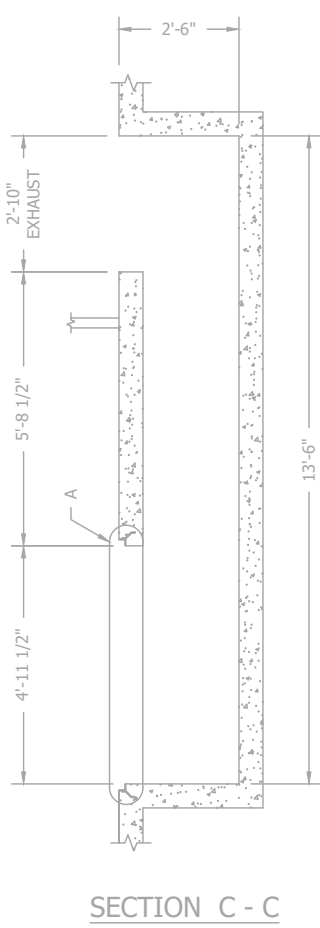
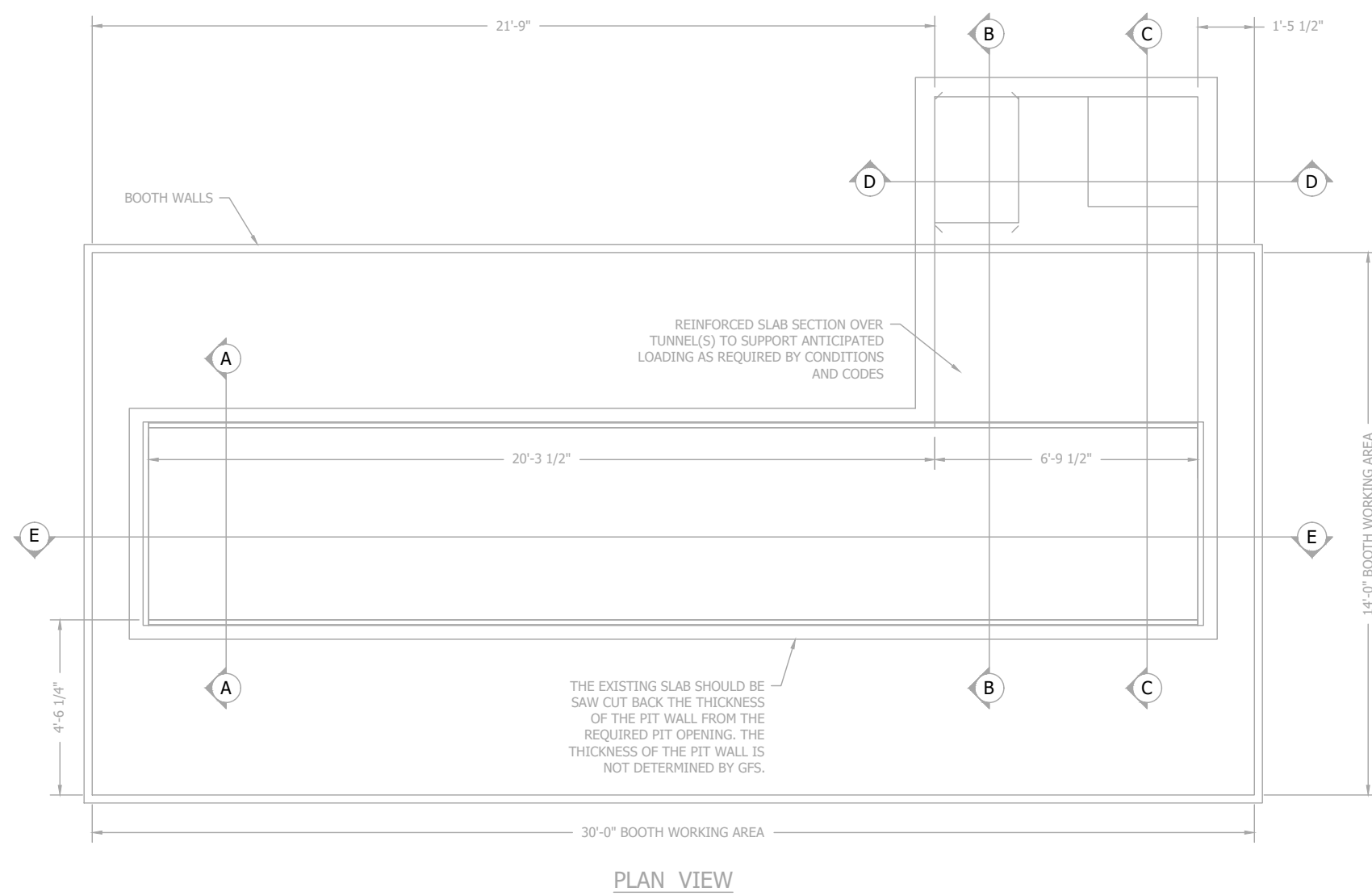
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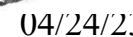
BAR GRATING SPECIFICATION

BAR SIZE (in)	1 - 1/2 x 3/16
TYPE	LIGHT DUTY
MAX WHEEL LOAD (lbs)	1,850
W SERIES	19-W-4

* BASED ON A CONTACT LENGTH OF 9"
(IE 11 BARS/FT OF GRATING WIDTH)
AND A MAXIMUM CLEAR SPAN OF 2'-4 1/2"

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.
- DO NOT PLACE BACKFILL AGAINST WALL UNTIL THE WALL HAS BEEN ADEQUATELY SHORED.
- WALL LOCATIONS TO BE WITHIN 1/4" OF DIMENSIONS SHOWN.
- 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 3/4" AS SHOWN IN DETAIL A.
- 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.
- GRATINGS MUST BE INSTALLED WITH CROSS BARS ON TOP SIDE.
- NOTCHING OF BEARING BARS AT SUPPORTS TO MAINTAIN PROPER ELEVATION IS GENERALLY NOT RECOMMENDED. IF NOTCHING IS REQUIRED FOR INSTALLATION, MANUFACTURER SHOULD BE CONSULTED.
- METAL SHOULD ALWAYS BE USED FOR ALL GRATING SUPPORTS.
- 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.
- ALL DIMENSIONS ARE APPROXIMATE AND SUBJECT TO CHANGE. CUSTOMER MUST CHECK EQUIPMENT SIZE, LOCATION IN BUILDING AND ALL CLEARANCES TO BUILDING AND CONTENTS.
- 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.

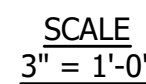


PAINT BOOTH
22509 NE INDEPENDENCE
LEE SUMMIT, MO 64064

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M4

Scale



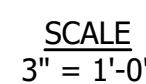
1. DUAL SKIN INSULATED PANEL.
2. 20GA H-CHANNEL.



(AR6A)



1. SEE 1/4"Ø SCREW ANCHOR NOTES ON GSN.
2. EXIST SLAB ON GRADE. 4" MIN CONC THICKNESS. VERIFICATION OF SLAB NOT BY GFS.
3. #10 x 3/4" TEK SCREW.SEE PANEL BOTTOM ELEVATION FOR SPACING INFORMATION.
4. DUAL SKIN INSULATED PANEL.
5. 1/2" MIN - 3/4" MAX
6. 0" - 9" PANEL WIDTH.
7. 10" - 18" PANEL WIDTH.
8. 19" - 36" PANEL WIDTH.



AD7

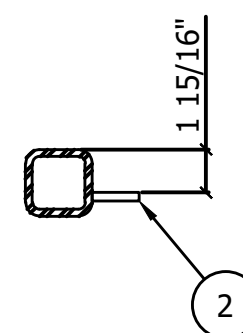


AD4A



(AD5A

1. STEEL COLUMN - SEE FRAME ELEVATION FOR SIZE.
2. 3/8" SHEAR TAB.
3. "A" DIMENSION IS 3 1/4".



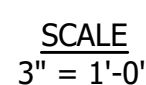
SECTION B-E

1. STEEL COLUMN - HSS5x3x5/16.
2. TRUSS TOP CHORD - HSS3x2x1/8.
3. TRUSS BOTTOM CHORD - HSS2x2x1/8.
4. VERTICAL TUBE WEB MEMBER - HSS2x2x1/4.
5. 3/8" STEEL WEB CUT OUT PLATE.
6. SYMMETRICAL ABOUT CENTERLINE.

1. FRAME TOP CHORD - SEE FRAME ELEVATION FOR SIZE.
2. FRAME BOTTOM CHORD - SEE FRAME ELEVATION FOR SIZE.
3. VERTICAL WEB MEMBER - HSS2x2x1/4.
4. 3/8" PLATE WITH (5) 1/2" Ø A325 BOLTS.
5. FRAME WEB PLATE - SEE FRAME ELEVATION FOR THICKNESS.
6. 2" LONG HORIZONTALLY FROM FRAME WEB PLATE TO CHORD AND 2" VERTICALLY FROM FRAME WEB PLATE TO VERTICAL WEB MEMBER - CONTINUOUS THROUGH CORNER.
7. SEE BOTTOM CHORD ATTACHMENT DETAIL (AR2C), IF OCCURS, FOR CONNECTION INFORMATION.
8. SEE COLUMN SHEAR TAB DETAIL (AR4A) FOR COLUMN AND SHEAR TAB INFORMATION.



1. SINGLE SKIN PANEL.
2. 8MM CLASS 8.8 BOLTS AT 6" O.C. TYP.



154

1. FRAME BOTTOM CHORD.
2. FRAME WEB PLATE.
3. 14GA "J"
4. 14GA "L"



