

PERMIT NUMBER: B

21004726

DATE ACCEPTED:



# COMMERCIAL BUILDING PERMIT APPLICATION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

www.howardcountymd.gov

## BUILDING SITE ADDRESS *REQUIRED*

Street Address: <b>3420 Ellicott Center Drive</b>		Unit:
City: <b>Ellicott City</b>	State: <b>MD</b>	Zip Code: <b>21043</b>
Subdivision/Village/Complex Name:		SDP/WP/BA #:
Lot: <b>A-1</b>	Tax Map: <b>0024</b>	Parcel: <b>1096</b>
Grading Permit #:		

## DESCRIPTION OF WORK *REQUIRED*

Existing Use: <b>Major Repair Garage</b>	Proposed Use: <b>Major Repair Garage</b>	Estimated Cost: \$ <b>100,000</b>
Trade Work to Be Completed ( <i>Separate Permits Required</i> ): <input checked="" type="checkbox"/> Mechanical (HVACR) <input checked="" type="checkbox"/> Electrical <input checked="" type="checkbox"/> Plumbing <input type="checkbox"/> None		
<b>Replacement of Paint Spray Booth and Associated Equipment</b> <i>Interior alteration</i>		

## PROPERTY OWNER INFORMATION *REQUIRED*

Owner(s) Name(s) ( <i>As it appears on tax records</i> ): <b>Piekarski Properties, LLC.</b>		
Owner's Street Address: <b>201 Thomas Road</b>		
City: <b>Centreville</b>	State: <b>Maryland</b>	Zip Code: <b>21617</b>
Phone:	Email:	

## TENANT INFORMATION *REQUIRED*

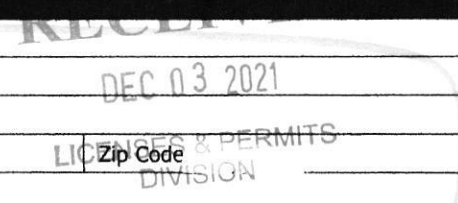
Business Name: <b>Gerber Collision and Glass</b>	Contact Name: <b>Gary Erculiani</b>
Street Address: <b>3420 Ellicott Center Drive</b>	
City: <b>Ellicott City</b>	State: <b>Maryland</b>
Phone: <b>301-467-5592</b>	Zip Code: <b>21043</b>
Email: <b>gary.erculiani@gerbercollision.com</b>	

## APPLICANT NAME *REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION*

Business Name: <b>Greene Architecture</b>	Contact Name: <b>Ford Greene</b>
Street Address: <b>313 East Melrose Avenue</b>	
City: <b>Baltimore</b>	State: <b>MD</b>
Phone: <b>410-241-0156</b>	Zip Code: <b>21212</b>
Email: <b>greene.architecture@gmail.com</b>	

## CONTRACTOR INFORMATION *REQUIRED*

Business Name: <b>TBD</b>	License #:
Licensee's Name:	
Street Address:	
City:	State:
Phone:	Zip Code:
Email:	



## ARCHITECT/ENGINEER INFORMATION *REQUIRED - INDIVIDUAL WHO SIGNED PLANS*

Business Name: <b>Greene Architecture</b>	Name: <b>Ford Greene</b>
Street Address: <b>313 East Melrose Avenue</b>	
City: <b>Baltimore</b>	State: <b>MD</b>
Phone: <b>410-241-0156</b>	Zip Code: <b>21212</b>
Email: <b>greene.architecture@gmail.com</b>	

## BUILDING CHARACTERISTICS (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Utilities: <input checked="" type="checkbox"/> Electric <input checked="" type="checkbox"/> Gas	Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private (Well)	Sewage Disposal: <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private (Septic)
Heating System: <input type="checkbox"/> Electric <input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Propane <input type="checkbox"/> Other:	Roadside Tree Project: <input type="checkbox"/> No <input type="checkbox"/> Yes:#	
Sprinkler System: <input checked="" type="checkbox"/> NFPA 13 <input type="checkbox"/> NFPA 13R <input type="checkbox"/> None	Fire Alarm System: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Voice Evac	

## ADDITIONAL COMMERCIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Area of Construction: <b>1580</b> sq ft	Gross Area: <b>9521</b> sq ft	Height: <b>15.5</b> ft	# of Stories: <b>1</b>
Construction Classification(s): <b>2B</b>		Use Group: <b>S-1</b>	
Was the tenant space previously occupied? <input type="checkbox"/> Yes <input type="checkbox"/> No		Shell Building Permit # ( <i>for interior completions</i> ):	

## ADDITIONAL MULTI-FAMILY INFORMATION *IF APPLICABLE*

# of efficiency units (MF):	# of 1 BR (MF):	# of 2 BR (MF):	# of 3 BR (MF):
Energy Method: <input type="checkbox"/> Performance <input type="checkbox"/> UA Alternative <input type="checkbox"/> ERI <input type="checkbox"/> A 90.1		Gross Area: sq ft	Occupiable Area: sq ft

## AGREEMENT/ DISCALIMER *REQUIRED*

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES

APPLICANT'S ORIGINAL SIGNATURE: <i>[Signature]</i>	DATE SIGNED: <b>12-3-2021</b>
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## FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS:				
<input checked="" type="checkbox"/> PR	<input checked="" type="checkbox"/> DPZ	<input checked="" type="checkbox"/> DED	<input checked="" type="checkbox"/> Health <i>OK to approve 4/7/22</i>	<input type="checkbox"/> SHA
SUBMITTAL FEES:		PAYMENT:		ACCEPTED BY: <i>[Signature]</i>

12/3/21 existing interior



# Maryland

Department of  
the Environment

Larry Hogan, Governor  
Boyd Rutherford, Lt. Governor

Ben Grumbles, Secretary  
Horacio Tablada, Deputy Secretary

April 6, 2022

Gary Erculiani  
3420 Ellicott Center Dr  
Ellicott City, MD 21043

Dear Mr. Erculiani:

The Department has received your completed Request for Coverage form and fee for an Air Quality General Permit to Construct for a Vehicle Refinishing Facility at the following location:

Source Name: Gerber Collision & Glass, Inc.  
Street Address: 3420 Ellicott Center Dr  
Ellicott City, MD 21043  
Equipment: One (1) Vehicle Refinishing Spray Booth  
I.D. No.: 027-0340-6-0480  
AI No.: 9653

The permit is effective as stated in the General Permit. The cancelled check or other receipt, a copy of the Request for Coverage, the permit conditions from the application package, this letter, and any other supporting documents should be retained on site.

In the event that you have misplaced the permit conditions from the application package, they can be downloaded from the Departments web page:

<https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/AirQualityGeneralPermit.aspx>

The blue bordered pages within the application package are the permit conditions applicable to you.

If you have any questions, please contact Sam Mrida of my staff at [shazidul.mrida@maryland.gov](mailto:shazidul.mrida@maryland.gov).

Sincerely,  
/S/  
Suna Yi Sariscak, Manager  
Air Quality Permits Program  
Air and Radiation Administration

SYS/sm

**COMPLETE THIS FORM WHEN DROPPING OFF ANY  
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY  
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 03/03/2022

To: Jason Fawcett Plan Review  
(Reviewer/Requestor's Name) (Division)

From: Ford Greene, Greene Architecture (410) 241-0156  
(Your Name, Company Name) (Phone Number)

Subject: Project name Gerber Collision Paint Booth Replacement  
 Project site address 3420 Ellicott Center Drive, Ellicott City, MD 21043  
 Permit # B21004726 SDP # \_\_\_\_\_  
 Other information pertinent to this project \_\_\_\_\_

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
- Letter Summarizing Changes
- Energy conservation calculations
- Copies of \_\_\_\_\_ (be specific).  
 Health Department Request     DPZ/ DED Request     Applicant's Request
- Two sets of single-family model plans to be placed on permanent file: Model Name/ # \_\_\_\_\_
- Other Grating Certification by Booth Manufacturer

**Contact Person Information: (Required)**

Ford Greene, Greene Architecture Telephone No: (410) 241-0156  
 Please Print Name E-Mail Address: greene.architecture@gmail.com

**PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED**

**COMMERCIAL REVISIONS # 1**

Project Name: Gerber Collision Paint Booth Replacement  
 Permit # B21-4726 Date: 3/3/2022

*Please date, initial, and advise project coordinator when last review is complete.*

ASA/SLG \_\_\_\_\_ DEC \_\_\_\_\_  
 APH \_\_\_\_\_ JOSE \_\_\_\_\_  
 JDH \_\_\_\_\_ JASON \_\_\_\_\_

**READY FOR ISSUANCE, THE PERMIT DIVISION OR PERMIT PICK UP. ALL PERMIT STATUS IN AT 410-313-2455 OPTION #4 OR BY VISITING REVIEW INQUIRIES SHALL BE DIRECTED TO LOW A MINIMUM OF FIVE (5) WORKING DAYS.**

*Revision #2  
 Fee #695141  
 Not Paid*

**RECEIVED**  
 MAR 02 2022  
 LICENSES & PERMITS  
 DIVISION



Bureau of Environmental Health  
8930 Stanford Blvd | Columbia, MD 21045  
410.313.2640 - Voice/Relay  
410.313.2648 - Fax  
1.866.313.6300 - Toll Free

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Maura J. Rossman, M.D., Health Officer

January 13, 2022

Gary Erculiani  
3420 Ellicott Center Drive  
Ellicott City, MD 21043

*Sent via email to: [gary.erculiani@gerbercollision.com](mailto:gary.erculiani@gerbercollision.com), [green.architecture@gmail.com](mailto:green.architecture@gmail.com)*

**RE: B21004726**  
**3420 Ellicott Center Drive**  
**Ellicott City, MD 21043**

Mr. Erculiani:

This letter is in response to building permit B21004726. The building permit application and plans indicate that the proposed work includes equipment that will be used for paint spraying and will need to be reviewed and permitted with Maryland Department of the Environment (MDE), Air Quality Program, Air and Radiation Management Administration. If you have any questions you can contact the Air Quality Permits Program at (410) 537-3230.

Building permit approval is being withheld until a permit has been issued by MDE or a copy of the payment invoice, indicating that the review has been completed, has been forwarded to the Health Department. I may be reached at (410) 313-1777 if you would like to discuss the project in more detail.

Respectfully,

A handwritten signature in black ink that reads 'Zack Silvast'.

Zack Silvast  
Supervisor, Well & Septic Program  
Bureau of Environmental Health



313 East Melrose Avenue  
Baltimore, Maryland 21212  
Phone 410.532.7396  
Cell 410.241.0156  
greene.architecture@gmail.com

Jason Fawcett  
Engineering Specialist RA  
Howard County Government  
Department of Inspections, Licenses and Permits  
3430 Courthouse Drive  
Ellicott City, MD 21043

February 3, 2022

Project: 3420 Ellicott Center Drive Paint Booth Replacement Project  
Permit #B21004726

Dear Mr. Fawcett,

We are in receipt of your January 20, 2022 plan review comment letter and offer the following responses:

1. The attached drawing SB-6 has been reviewed and stamped by a structural engineer. Please find attached structural certification for the grating supplied by the booth manufacturer.
2. The clearance above the paint booth to the roof above is 3'-11".
3. No building steel bar joists are to be modified for the installation of the booth.
4. The paint booth is scheduled to receive an automatic fire suppression system under a separate permit.

Please review these comments with the attached information. This includes 3 copies of the revised sheet SB-6, structural certification of the grating and an illustration of the grating system.

If you require additional information or clarification, please feel free to call me at any time at either of the numbers listed above.

Sincerely,

A handwritten signature in cursive script that reads 'Ford Greene'.

Ford Greene  
Greene Architecture



**RECEIVED**

MAR 02 2022

LICENSES & PERMITS  
DIVISION



# STRUCTURAL DESIGN CALCULATIONS OF MEISER-GRATINGS

PREPARED FOR

Garmat USA, LLC

LOCATED AT

1401 W Stanford Ave  
Englewood, CO 80110

August 26, 2020

PROJECT ENGINEER: Daniel Abshire, E.I.  
REVIEW ENGINEER: Jason Stebbins, P.E.  
PROJECT NUMBER: 200651



Jason Edward Stebbins

Digitally signed by Jason Edward Stebbins  
DN: E=jason.stebbins@anchoreng.com,  
CN=Jason Edward Stebbins, O=Anchor  
Engineering, Inc., L=Denver, S=Colorado,  
C=US  
Location: Denver, CO  
Reason: I am approving this document  
Contact Info: jason.stebbins@anchoreng.com  
Date: 2020.08.26 14:06:28-06'00'

August 26, 2020

Garmat USA, LLC  
1401 W Stanford Ave  
Englewood, CO 80110



**Project:** Meiser-Gratings

**Structural Design Assumptions:**

Codes:

IBC 2018 Table 1607.1 → 14. Garages (Passenger Vehicles Only [40psf])  
ASCE 7-16 Table 4.3-1 → Garages (Passenger Vehicles Only [40psf])

Material Properties:

T-Shaped Sections:

S235 Galvanized (EU) w/ US Equivalent A283C (E=29000 ksi, Fy=33 ksi, Fu=52 ksi)

Cross Bars:

2 ½" x 2 ½" x ¼" Tubing Grade A500B (E=29000, ksi, Fy=42 ksi, Fu=58 ksi)

**Analysis Assumptions:**

Bar grates have not been evaluated for vehicular jack stand loading. Under no circumstances should a vehicle be supported by no less than (4) tires. A uniform load of 40psf was used for the analysis. Excluded from this analysis is connection of the cross bar supports and all welding applications.

**Maximum Load Rating:**

In addition to the code specified loadings, our office analyzed the bar grates and cross bar members for the maximum allowable uniform load. The controlling elements were the 50mm bars under a uniform load of 550psf at which the maximum bending stress was determined to be at 94% utilization.



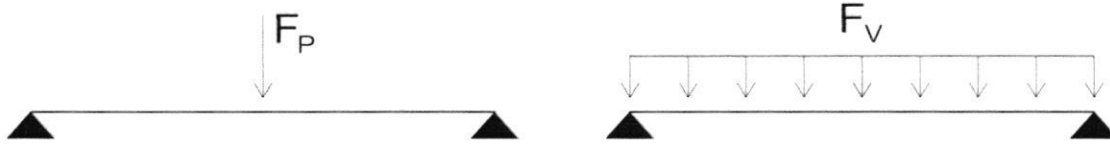
**Grating: Dimensioning acc. to DIN EN 1990 / EN 1991 / EN 1993, RAL-GZ 638 Sept. 2008**

Verifiable static calculation, table by Civil Eng. E.Worch / MEISER Vgtl. OHG

Meiser Vogtland OHG  
Am Lehnteich 3  
08606 Oelsnitz

(liability exclusion for misinterpretation from scope of application)

system: single span beam; statically determinate; theory 1. order; without selfweight:



**building project:**  
**(notes)**

<b>grating:</b>	<b>press locked grating</b>	
material:	S355	
anti-skid	no	(bb)
length bb:	996	(mm)
length cb:	790	(mm)
mesh:	<b>44,4</b>	<b>44,4</b> (mm)
point-load $F_p$ :	<b>8,84</b>	(kN)
cross bar:		(mm)
bear. bar:	<b>50</b>	<b>3</b> (mm)
clear-span L:	<b>936</b>	(mm)

<b>technical parameters:</b>	(bbd = bearing bar direction)	
$f_{y,k}$ (yield strength, N/mm <sup>2</sup> ):	355	90° bbd (bv)   0° bbd (bT)
load carrying area (mm):	<b>200</b>	<b>200</b>
(bb = bearing bar / cb = cross bar / mesh: 1. number = bb centre distance)		
reduction coefficient (v):	0,9	E (N/mm <sup>2</sup> ):
breaking factor (bf):	1,0	210000
partial safety factor material:	1,0	( $\gamma_M$ )
partial safety factor load:	1,5	( $\gamma_Q$ )
deflection criterion L/200:	4,7	(mm)
weight of grating:		(kg)

note:

Internal forces and load capacities are calculated elastically. It is assumed that the bearing bar cross section is the same everywhere.

**results point-load (to given point-load  $F_p$  and clear-span L):**

number of bearing bars:  $n = \frac{bv}{bb \text{ centre distance}} + m$  n = 6,94 [piece]  
(m = mesh-factor \* mRAL-GZ)

section modulus:  $W = \frac{b \cdot h^2}{6} \cdot n \cdot v$  W = 7,81 [cm<sup>3</sup>]  
(anti-skid: h=3mm)

moment of inertia:  $I = \frac{b \cdot h^3}{12} \cdot n \cdot v$  I = 19,51 [cm<sup>4</sup>]  
(anti-skid: h=3mm)

serviceability:  $f = \frac{F_p}{384 \cdot E \cdot I} \cdot (8L^3 - 4L \cdot bT^2 + bT^3) \cdot bf$  f = 3,6 [mm]

**utilisation at 4,0 mm:**  **90 %**      **utilisation L/200:**  **77 %**

bending moment:  $M_d = \frac{\gamma_Q \cdot F_p \cdot (L - \frac{bT}{2})}{4} \cdot bf$  M<sub>d</sub> = 277,13 [kNcm]  
(point-load  $F_p$ )





**Grating: Dimensioning acc. to DIN EN 1990 / EN 1991 / EN 1993, RAL-GZ 638 Sept. 2008**

<b>stability:</b> (point-load $F_p$ )	$\sigma_{Ed} = \frac{M_d}{W}$	$\sigma_{Rd} = \frac{f_{yk}}{\gamma_M}$	$\sigma_{E,d} =$	35,50	[kN/cm <sup>2</sup> ]
			$\sigma_{R,d} =$	35,50	[kN/cm <sup>2</sup> ]

**utilisation ratio of bending stress without consideration of deflection:** ✔ 100 %

**results point-load (maximum values to given  $F_p$  or L):**

max. clear-span to given point-load $F_p$ without consideration of deflection:		936	[mm]
(utilisation ratio of bending stress = 100 %) associated deflection:		3,6	[mm]
max. clear span to given point-load $F_p$ in compliance with	L/200:	936	[mm]
max. clear span to given point-load $F_p$ in compliance with	4,0 mm:	936	[mm]
max. point-load to given clear-span L without consideration of deflection:		8,84	[kN]
(utilisation ratio of bending stress = 100 %) associated deflection:		3,6	[mm]
max. point-load to given clear-span L in compliance with	L/200:	8,84	[kN]
max. point-load to given clear-span L in compliance with	4,0 mm:	8,84	[kN]

**results distributed-load  $F_v$  (maximum values to given clear span L):**

$$n = (1000 \text{ mm}) / (\text{bb centre distance}) + 1$$

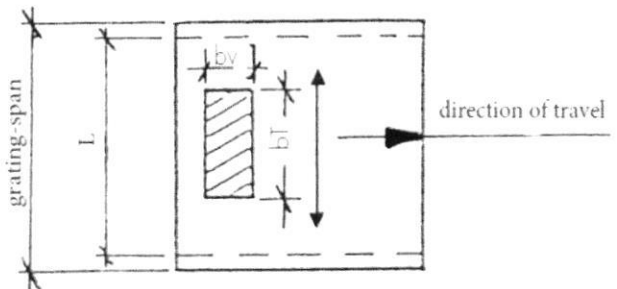
$$M_d = \frac{\gamma_Q \cdot F_v \cdot L^2}{8} \cdot \text{bb centre distance}$$

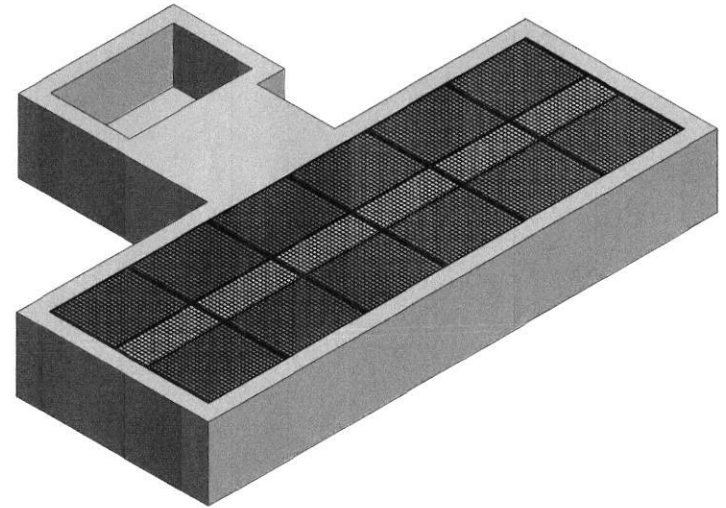
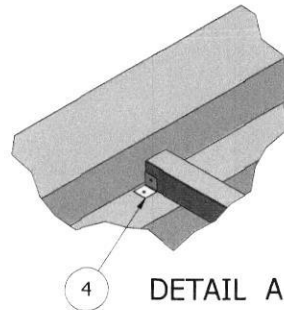
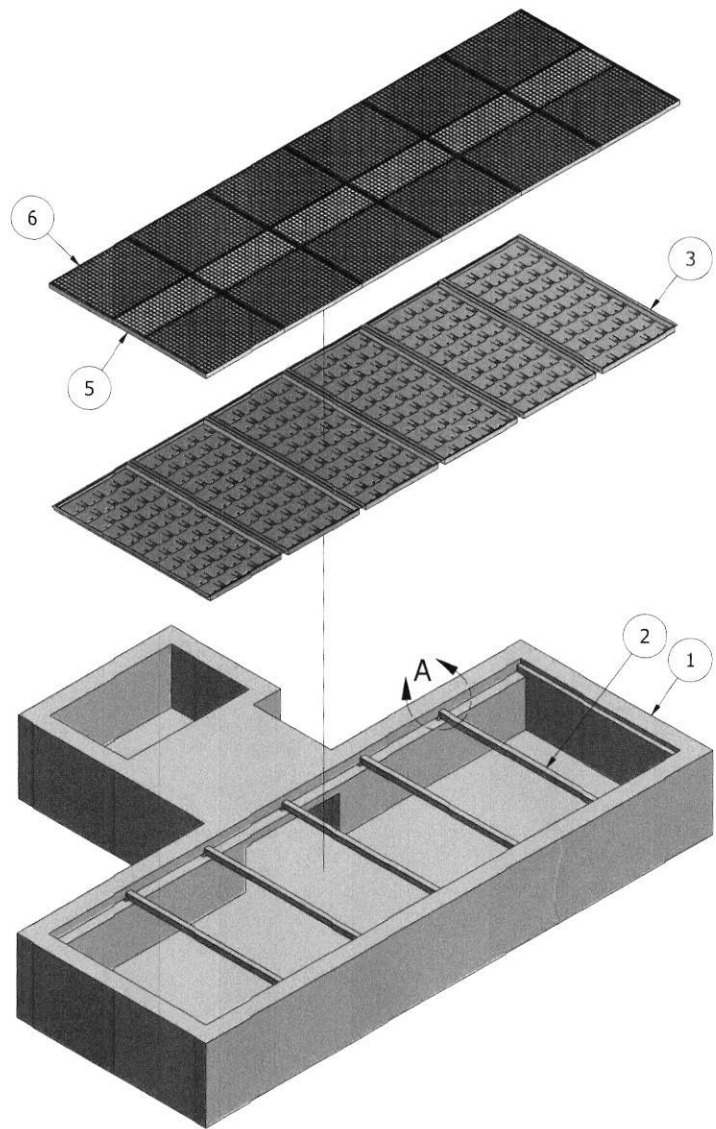
$$f = \frac{5 \cdot F_v \cdot L^4}{384 \cdot E \cdot I} \cdot \text{bb centre distance}$$

max. distr. load $F_v$ to given clear-span L without consideration of deflection:		57,19	[kN/m <sup>2</sup> ]
(utilisation ratio of bending stress = 100 %) associated deflection:		4,1	[mm]
max. distr. load $F_v$ to given clear-span L in compliance with	L/200:	57,19	[kN/m <sup>2</sup> ]
max. distr. load $F_v$ to given clear-span L in compliance with	4,0 mm:	55,60	[kN/m <sup>2</sup> ]

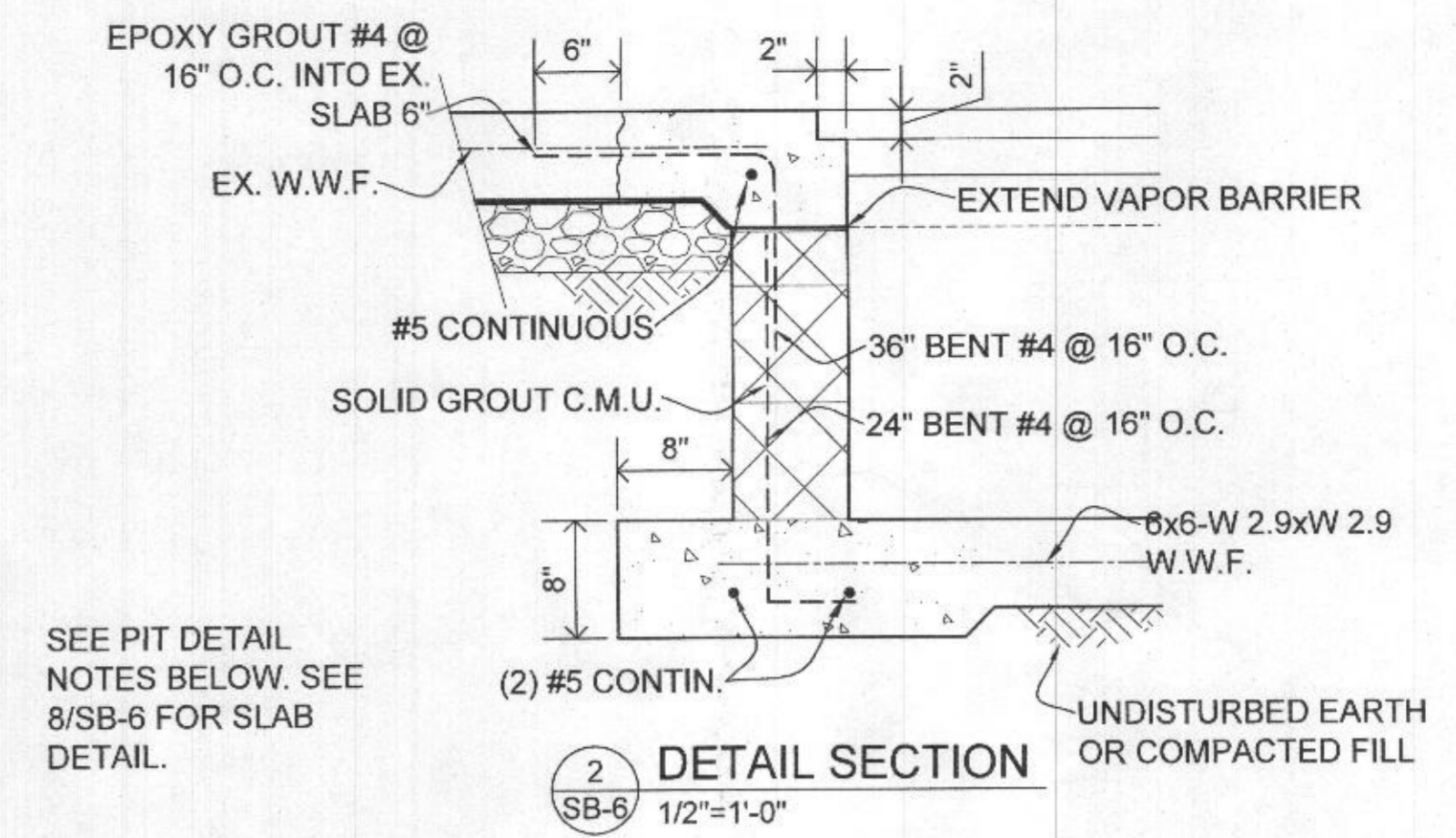
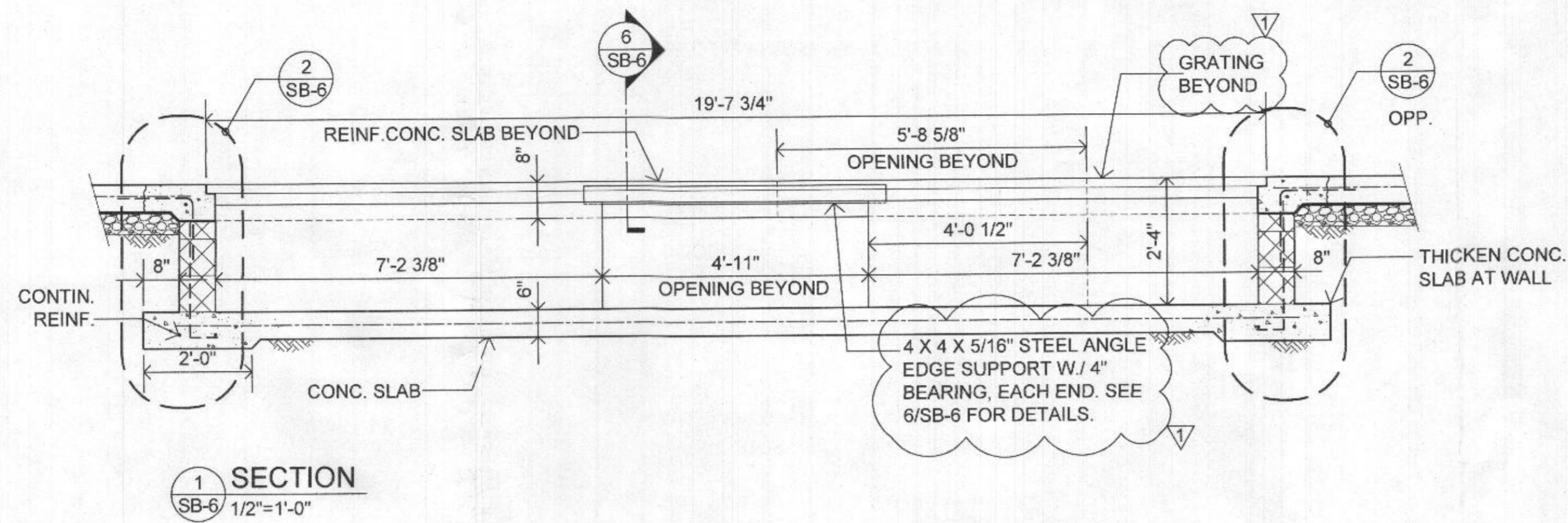
**positioning of point-load:**

**notes:**



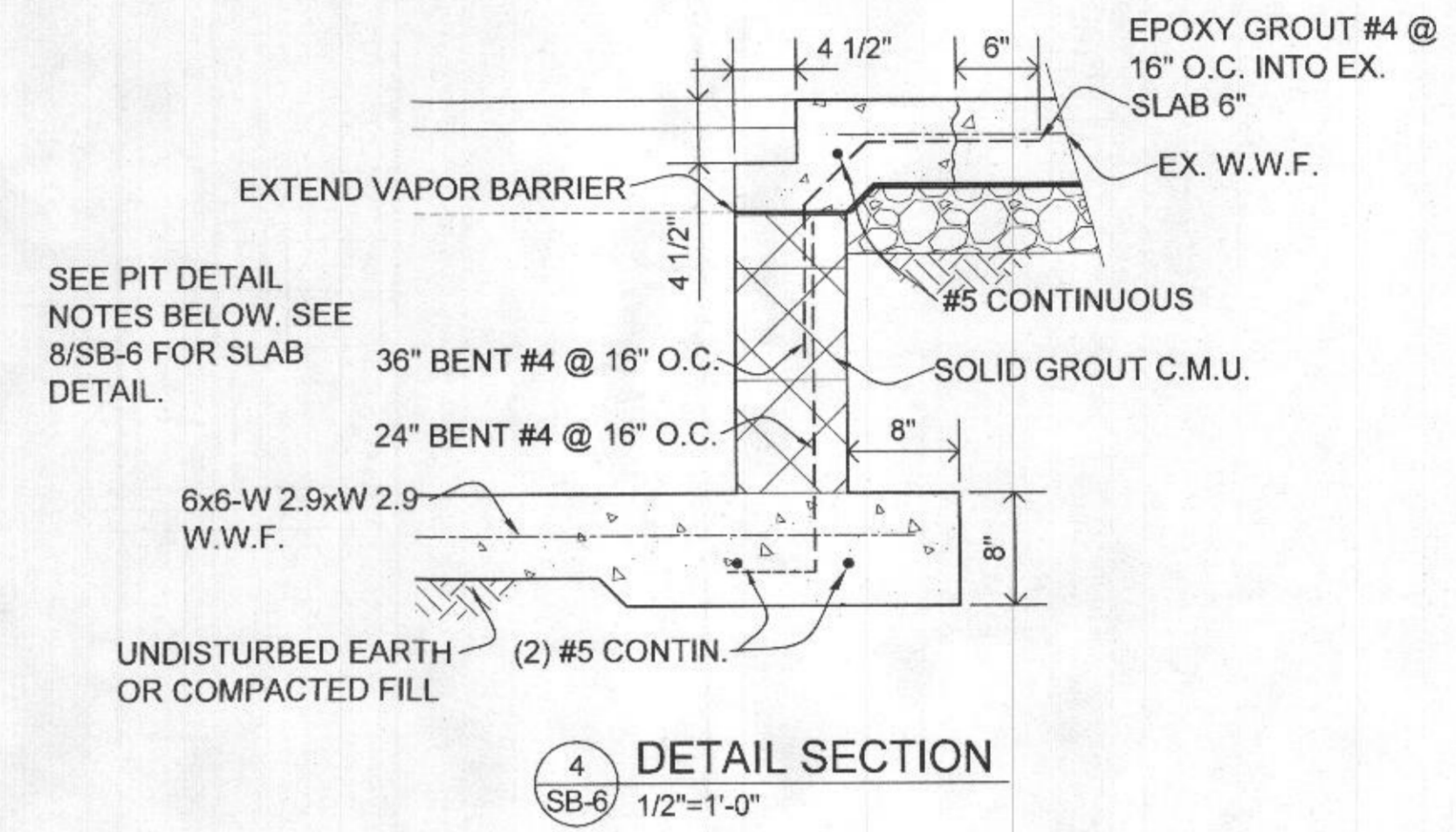
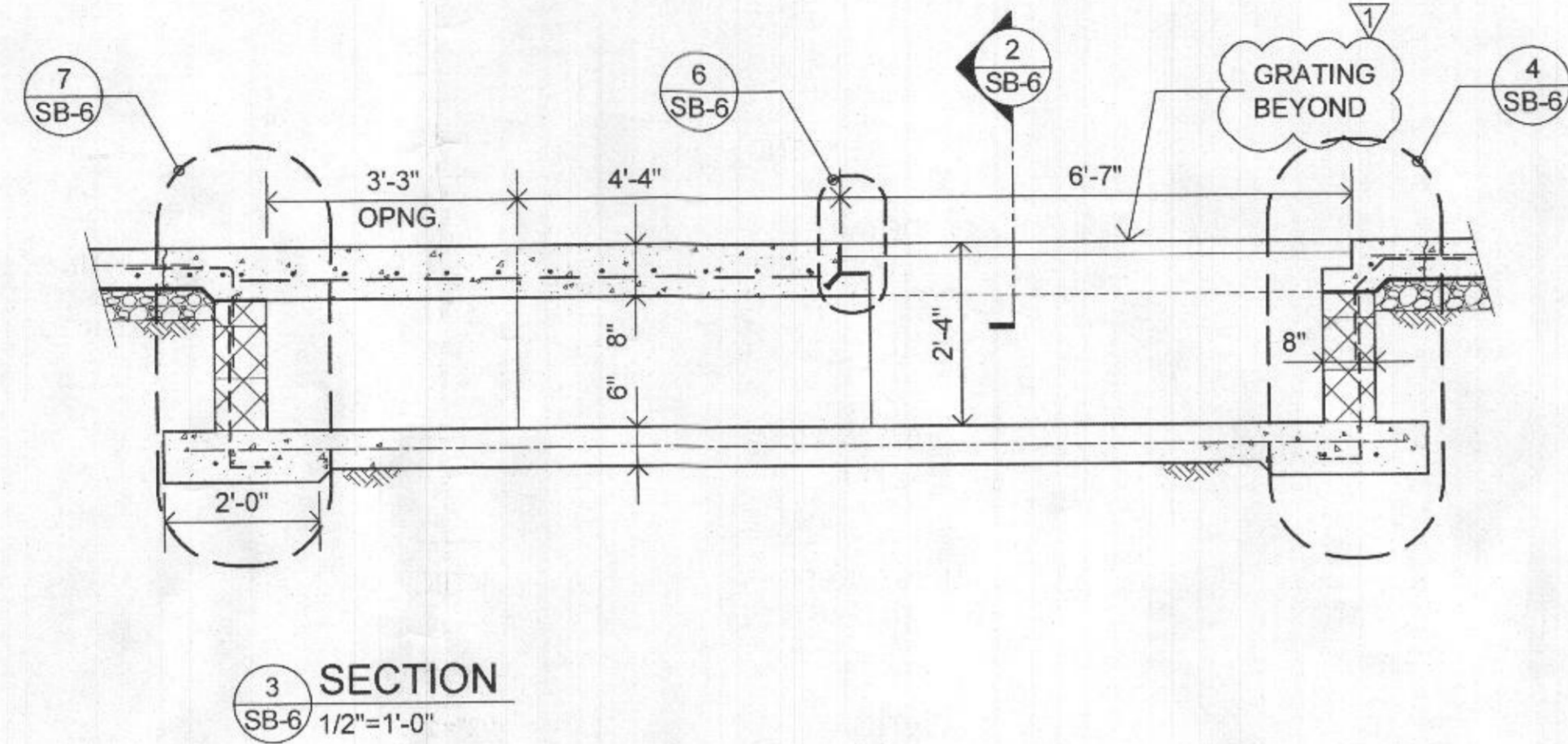


		PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION		
1	1	27' 3 Row Pit			
2	5	2 1/2 x 2 1/2 x 1/4	1/4 GA, 2 1/2 x 2 1/2 x 1995 Tubing Grade A500B		
3	6	99510-05-1985F	Filter Screen, Fish Scale (910 x 1985)		
4	20	99510-13	L Shape (35 x 35 x 1.25)		
5	6	SAT 415	Floor Grates 50mm (415 x 996)		
6	12	STA 790	Floor Grates 50mm (790 x 996)		
Copyright © 2016 GARMAT USA, LLC This drawing is not to be reproduced, either in whole or in part without the permission of Garmat USA, LLC		Designed by <b>Mike O.</b>	Gauge	Date <b>7/24/2019</b>	Customer
		Description <b>27' 3 ROW PIT</b>			Sheet Size <b>B</b>
		FAX (303)781-2683 PHONE (303)781-6802 1401 W. STANFORD AVE. ENGLEWOOD, CO 80110			Part No. <b>27' 3 Row Pit with Fish Scale</b>
					Edition <b>1 / 3</b>



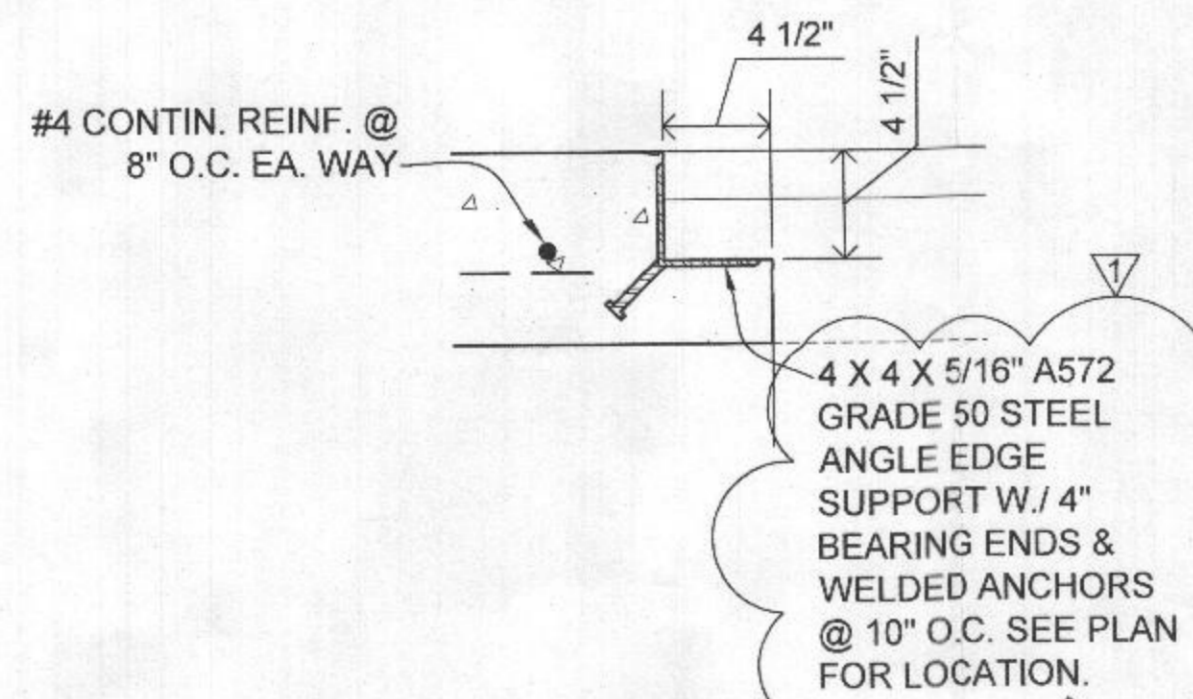
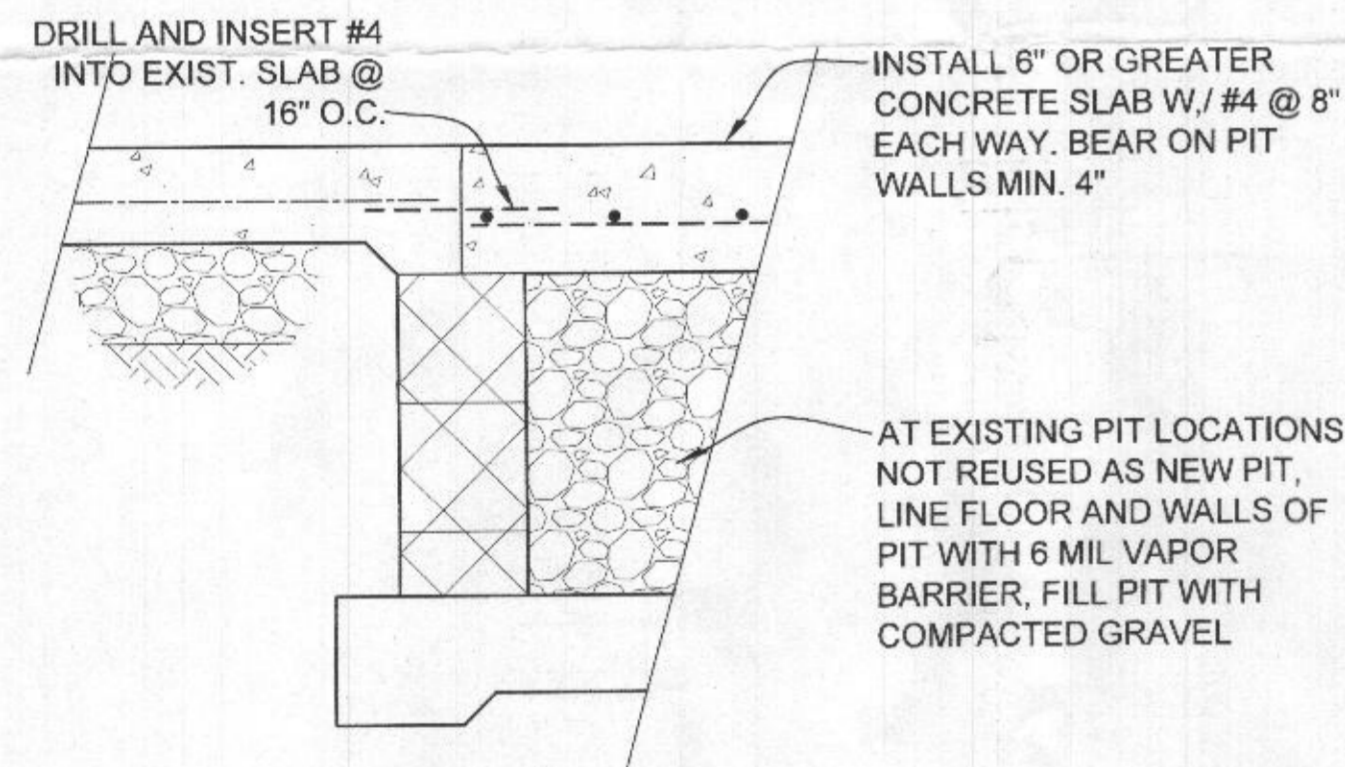
1 SECTION  
SB-6 1/2"=1'-0"

2 DETAIL SECTION  
SB-6 1/2"=1'-0"



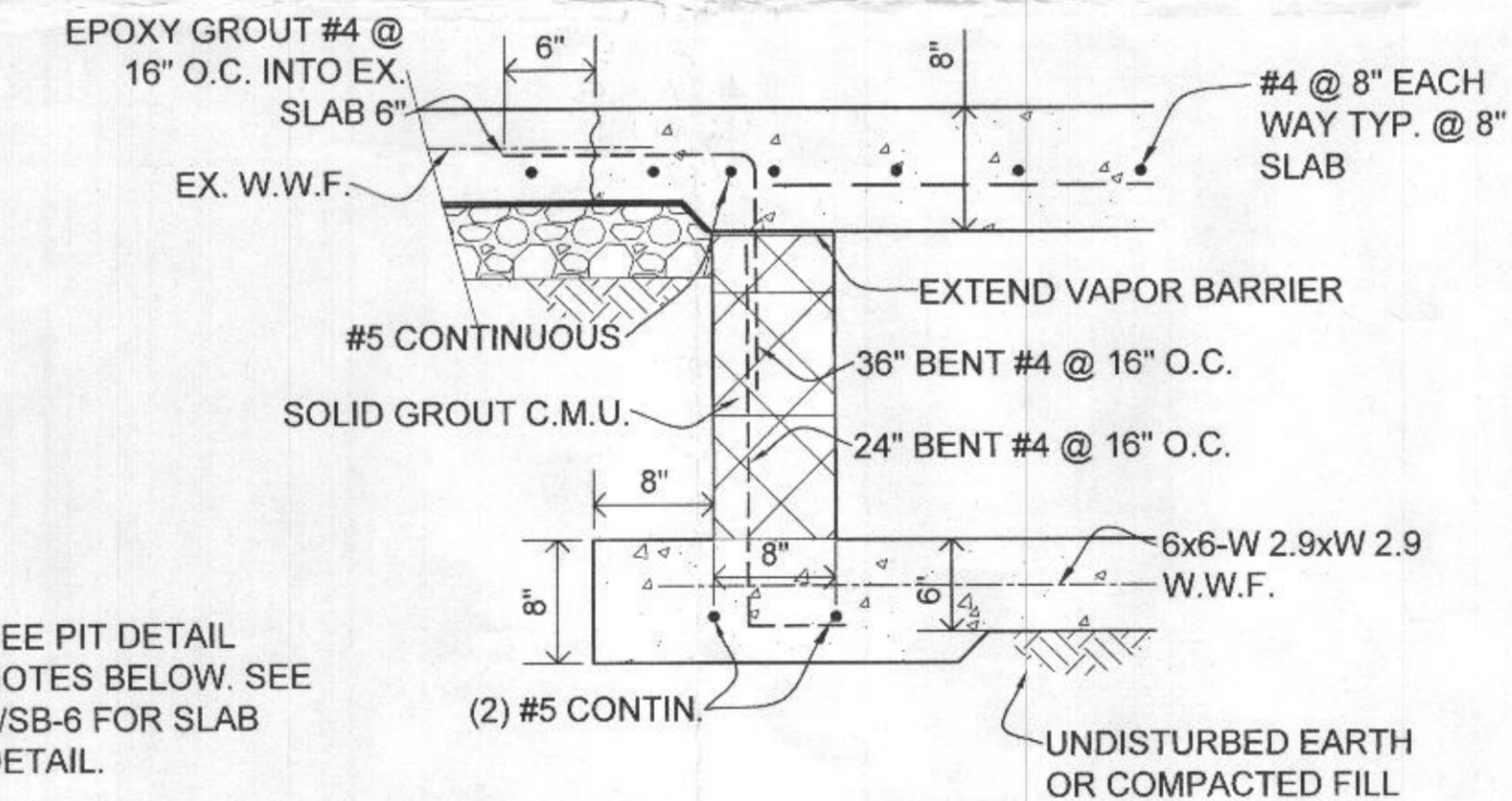
3 SECTION  
SB-6 1/2"=1'-0"

4 DETAIL SECTION  
SB-6 1/2"=1'-0"



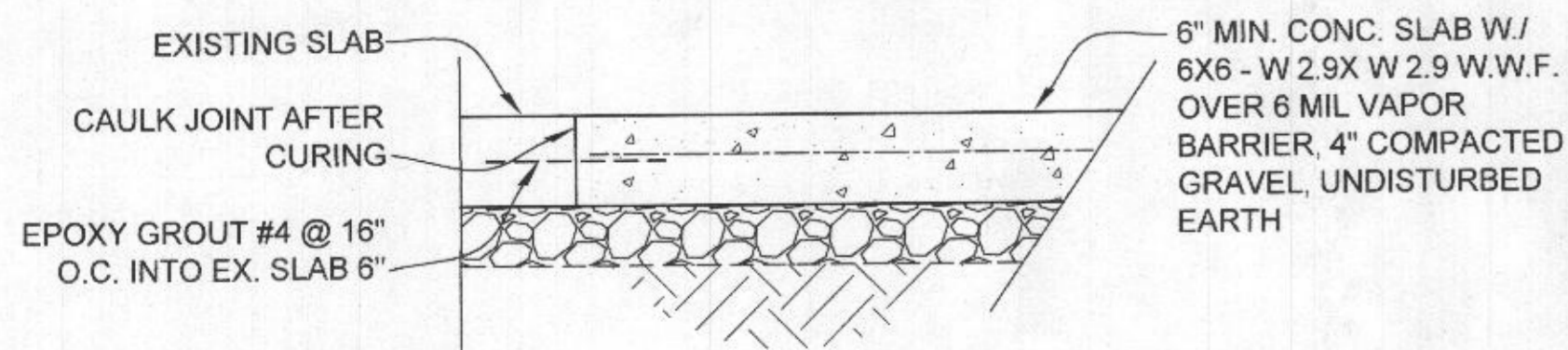
5 DETAIL SECTION  
SB-6 NO SCALE

6 DETAIL SECTION  
SB-6 1 1/2"=1'-0"



SEE PIT DETAIL NOTES BELOW. SEE 8/SB-6 FOR SLAB DETAIL.

7 DETAIL SECTION  
SB-6 1/2"=1'-0"



8 CONCRETE SLAB DETAIL  
SB-6 1"=1'-0"

**PIT DETAIL NOTES**

- FOR LOCATION OF SECTIONS AND FOR FULL DESCRIPTION OF THE SCOPE OF PIT WORK, SEE SHEETS SB-2 THROUGH SB-5.
- CONTRACTOR TO VERIFY EXISTING GROUND WATER SOURCES PRIOR TO EXCAVATION OF PIT. IF REQUIRED, CONTRACTOR SHALL PROVIDE AND INSTALL PIT SUMP PUMP TO INSURE PIT STAYS DRY. CONNECT PUMP TO ELECTRICAL POWER AND STORM SEWER.
- CONTRACTOR TO EXCAVATE WITH CAUTION IN ORDER TO PRESERVE VAPOR BARRIER. PROVIDE 10 MIL VAPOR BARRIER REPAIR AT DISTURBED AREAS. NEW BARRIER, CONTINUOUS UNDER THE ENTIRE PIT FLOOR AND WALL AREA, SHALL BE OVERLAPPED 12" AND TAPED TO EXISTING BARRIER, AND SHALL OVERLAP TOP OF PIT WALL AND BE SEALED AROUND REINFORCEMENT PER MANUFACTURER'S RECOMMENDATIONS.
- CONCRETE FOR SLABS AND FOOTING SHALL BE FIBER-REINFORCED AND SHALL BE A MINIMUM 28 DAY STRENGTH OF 4,000 P.S.I. AND NOT TO BE DRIVEN OVER UNTIL 28 DAY STRENGTH HAS BEEN ACHIEVED.

**NOTES (CONTINUED)**

- FOOTING SHALL BE PLACED ON DRY, UNDISTURBED SOIL WHERE POSSIBLE. IF COMPACTED FILL IS REQUIRED, A SOIL FILL DENSITY TEST FOR COMPACTION SHALL BE PERFORMED BY A SOILS ENGINEER TO VERIFY BEARING CAPACITY.
- FLOOR SLAB REBAR TO BE 60 KSI MIN. YIELD, CLEAN AND FREE OF RUST. EPOXY GROUT INTO EXISTING FLOOR SLAB 6" MINIMUM. SEE 8/SB-6 AND DETAILS ABOVE. USE 2" CHAIRS IN 8" ELEVATED SLAB OR 3" CHAIRS IN 6" PIT SLAB FOR REINFORCING SUPPORT DURING INSTALLATION.
- W.W.F. REINFORCING SHALL BE MAT TYPE, NOT FROM A ROLL.
- CONTRACTOR TO MINIMIZE ADDITION OF WATER TO DELIVERED CONCRETE.
- AS NOTED ON SHEET SB-1, THE STRUCTURAL DESIGN FLOOR LOAD IS 100 PSF.
- THE STEEL GRATING THAT COVERS THE BOOTH PIT IS A COMPONENT OF THE PAINT BOOTH SYSTEM. THE GRATING HAS BEEN CERTIFIED BY A STRUCTURAL ENGINEER AS MEETING THE REQUIREMENTS OF 2018 IBC TABLE 1607.1, ITEM 14, AND ASCE 7-16 TABLE 4.3-1. THE STRUCTURAL LOADING FOR THE GRATING IS 40 PSF PER THESE CODES. STEEL SUPPORT TUBING IS ALSO PART OF THE FLOOR GRATING SYSTEM. CERTIFICATION INFORMATION AND AN ILLUSTRATION OF THE GRATING COMPONENTS IS ATTACHED TO THE FEB. 3, 2022 RESPONSE LETTER.
- ADDITIONAL TESTING OF THE GRATING HAS BEEN PERFORMED BY MEISER VOGTLAND OHG FOR GARMAT AND IS ATTACHED TO THE RESPONSE LETTER.

**NOTES (CONTINUED)**

- VEHICLE DESIGN LOAD IS LIMITED BY SIZE OF OF PAINT BOOTH AND IS ASSUMED TO BE AUTOMOBILE OR SMALL TRUCK ONLY.

RECEIVED  
MAR 02 2022  
LICENSES & PERMITS  
DIVISION



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Jeffrey G. Burr, P.E.  
Maryland Engineer  
# 33556  
Expiration Date  
9/12/2022

PAINT SPRAY BOOTH REPLACEMENT  
FOR  
GERBER COLLISION & GLASS  
3420 ELLICOTT CENTER DRIVE  
ELLICOTT CITY, MD 21043

ISSUED

NOVEMBER 28, 2021

REVISED

FEBRUARY 3, 2022

DRAWING TITLE

DETAILS

SHEET

**SB-6**

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