

RFB947601-02 ADDENDUM #01

DATE: October 9th, 2026

PROJECT: 9476.01 HHS STS New Garage Building – Phase 2

BID DUE DATE: October 27th, 2026 at 2:00 pm

TO: All Contract Document Holders of Record.

This Addendum forms a part of the bidding and construction documents. This Addendum supersedes and supplements all portions of the original bidding and construction documents dated August 10th, 2026, with which it conflicts. Please attach this Addendum to the Project Manual(s) in your possession.

ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

1. BID DUE DATE EXTENSION & QUESTIONS/SUBSTITUTIONS

- a. Due to the number of questions, clarifications, drawing changes and substitution requests, the Bid Due Date has been extended. The revised Questions and Substitutions Due Date is October 16th, 2026 by 2:00pm. The revised Bid Due Date is **October 27th, 2026, at 2:00pm**. The bid opening will occur on October 27th, 2026, at 3:00pm.

2. PRE-BID MEETING MINUTES & SIGN IN SHEET

- a. See attached for meeting minutes and attendance sheet.

3. QUESTIONS/CLARIFICATIONS

- a. Please find included in attached HGM Addendum No.01 (Part 1) with formal questions and responses/clarifications.

4. CHANGES TO PROJECT MANUAL

- a. Please find changes to the following section included in attached HGM Addendum No.01 (Part 2)
 - i. Section 001113 – Notice to Bidders
 - ii. Section 003113 – Preliminary Schedule
 - iii. Section 074213 – Metal Wall Panel

5. CHANGES TO DRAWING

- a. Please find changes to the following pages included in attached HGM Addendum No.01 (Part 3)
 - i. Sheet S1.1 – Foundation Plans & Details
 - ii. Sheet S2.1 – Roof Framing Plans & Details
 - iii. Sheet E1.1 – Electrical Plan
 - iv. Sheet E2.1 – Electrical Schedule and Risers



McGough

Meeting Sign-In Sheet

Project Name/#: RFB 947601-02
Meeting Type: STS New Garage Building
 Re-Bid

Date: ~~09/28~~ 09/23/21

Time: 10:00 AM

Prepared By: Nash Thelen

Location: Eldora, Iowa

Please print informaton below:

[illegible]

RFB Pre-Bid #02 Minutes: Meeting #2

Meeting Date Sep 23, 2026 **Meeting Time** 10:00 am - 11:00 am Central Time (US & Canada)
Meeting Location 3211 Edgington Avenue, Eldora, Iowa 50627 **Video Conferencing** [Join Meeting Link](#)

Overview Meeting to allow prospective bidders to visit the site, when possible, and learn more about the project.

Microsoft Teams meeting

Join:

<https://teams.microsoft.com/meet/220164313455079?p=ktBlvrqsTdsjgdrklm>

Meeting ID: 220 164 313 455 079
Passcode: kr9fN3B6

Notes

Attachments [RFB947601-02 Project Manual_Final 2.0.pdf](#), [106025 IA DAS HHS STS New Garage Bldg Drawings-Rebid #2.pdf](#)

Scheduled Attendees

Name	Company	Phone Number	Email	Attendance
Amanda Liermann	HGM Associates	P: (712) 323-0530	aliermann@hgmonline.com	Conference
Greg Evans	McGough Construction	P: (515) 344-1625	greg.evans@mcgough.com	Present
Noah Thelen	McGough Construction	P: (515) 639-3853	noah.thelen@mcgough.com	Present
Jennifer Kleene	State of Iowa - Department of Administrative Services	P: (515) 725-0454	jennifer.kleene@das.iowa.gov	Present
Ryan Schrage	State Training School	P: (614) 858-7402 ext. 4103	ryan.schrage@hhs.iowa.gov	Present

Introduction

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
1.1	1	Introductions				Open
		Description Attendees				
		Official Documented Meeting Minutes See attached sign in sheet				
		Attendees: Jennifer Kleene - DAS Colin P. - NB Koch Noah T - McGough Ryan S. - STS Robert W - STS				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		Greg E - McGough Ryan H - Henning Electric Online: Jared Knott - King Const. John B - Patriot Choice Amanda - HGM				

Project Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.1	1	Project Description				Open
<p>Description</p> <p>Construction of a new garage building for vehicle storage at the Iowa State Training School for Boys at 3211 Edgington Ave, Eldora, IA 50627. Drawings and Specifications have changed from previous bidding opportunities in attempt to decrease scope of work and tighten cost of construction to fit budget. Some drawing & Spec Changes, please review bidding documents for updated information:</p> <ul style="list-style-type: none"> • Mechanical System now includes an exhaust fan and a larger exterior louver for exhaust. changes to gas detection system. • Reduced the amount of treated lumber where possible. lumber in contact with the ground will remain treated to prevent rot. • Prefinished metal roof panels have been changed to 24 gauge. • Changes to specification around delegated design of building. <ul style="list-style-type: none"> ◦ Base Bid <ul style="list-style-type: none"> ▪ COMPLETE - All material, labor, and equipment associated with all work shown on the contract documents complete, including the plans and specifications. ◦ Alternates <ul style="list-style-type: none"> ▪ None ◦ Unit Prices <ul style="list-style-type: none"> ▪ Unit Price 01 <ul style="list-style-type: none"> ▪ Provide all labor, materials, tools, equipment, and supervision necessary to backfill any areas not identified on the drawings, in accordance with the drawings and specifications (per cubic yard). Unit prices include all necessary material, plus cost for deliver, install, insurance overhead and profit. 						
<p>Official Documented Meeting Minutes</p> <p>Discuss changes to contract documents and differences to previous bidding opportunities. Noah reviewed a few changes and informed the bidders to review all the documents both drawings and specifications due to additional possible changes not shown here in the agenda.</p> <p>It was discussed that the delegated design specification changed to only be revolved around trusses. This hopefully simplifies concerns or complication with design for builders.</p> <p>It was discussed that site fence is not required but all trucks, trailers and tool boxes need to be locked up on site and not left unattended. Locking cars is a must and not leaving keys in the vehicle.</p> <p>It was asked if a SWPPP Plan is needed for the site or if any required inspections will be needed. The architect and team discussed and plans to follow up via addendum to confirm as it was not expected since the site is under 1 acre. Stand by for notes in Addendum #01.</p>						

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.2	1	Project Schedule				Open
Description <ul style="list-style-type: none"> Contract(s) Issued: Week of November 2nd, 2026 Submittals: November 2026 - January 2027 Construction: April 2027 - June 30th 2027 Substantial Completion: June 16th, 2027 Closeout: June 2027-July 2027 <p>A pull-plan session will be held with the successful bid package contractors to finalize the construction schedule.</p> <p>State Holidays: New Year's Day, Martin Luther King Day, Memorial Day, 4th of July, Labor Day, Veterans Day, Thanksgiving and day after Thanksgiving, Christmas Day</p>						
Official Documented Meeting Minutes <p>It was informed that this project is planned for Spring to allow plenty of time for contractors to plan schedules and review with suppliers on delivery times.</p>						

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.3	1	Site Rules				Open
Description <ul style="list-style-type: none"> Onsite supervision by Prime Contractor is required at all times when work by that contractor or their subcontractors/suppliers is taking place. Contractors shall provide daily logs for each day they are on site. Construction progress meeting will be established once construction starts. It is of the utmost importance to show respect and courtesy to all staff at all times. Clean all debris, materials, and bring all finishes back to existing conditions in the area they were working in prior to moving to the next area. No smoking, vaping or smokeless tobacco use onsite. 						
Site Specific Rules: <ul style="list-style-type: none"> Temporary facilities - Provide all temporary facilities required for this scope of work including trailer, trailer power, telephone, secured storage, temporary power for work, temporary and task lighting for work, etc. as determined necessary by Contractor. Coordinate location of trailers, material storage and utility lines with Construction Manager. Limited space is available, and permission to bring any such facility or excess materials on to the site shall be approved by the Construction Manager. Tool control - Secure all tools at the end of each day. Never leave tools unattended. All tools shall be checked in at the beginning of the day and checked out at the end of the day. If security officers find loose tools, they are under orders to turn them in to their supervisor. Cell phone use will be allowed while on site. Pictures of anything taken not involving the construction project is strictly prohibited. Background checks will need to be submitted for every contractor who will be onsite. Contractors will be required to check in and out at the Administration building switchboard each time entering and existing the STS campus. Work hours - 7:00 AM to 5:00 PM View specification section 01 1200 - Contract Summary for more information. 						
Official Documented Meeting Minutes <p>Delivery drivers will not need to perform background checks. But crew members (Subcontractors) will be required and check in prior to work.</p> <p>Tools and equipment need to be secured, vehicles and skidloaders need to be lockable.</p>						

RFB Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.1	1	Bid Submission				Open
Description <ul style="list-style-type: none"> Bids are due Tuesday October 13th, 2026 by 2:00pm CT The Bid shall be submitted to the Issuing Officer through the IMPACS Electronic Procurement System. <ul style="list-style-type: none"> Link and information is in the project manual Contractors will need to register prior to bidding Bidders will need to register regardless of whether it has already done business with the State of Iowa. Bidders should complete the registration process and ensure the ability to log in as soon as possible to ensure Bids can be submitted on the due date. Please make sure the electronic documents submitted contain any required signatures. Digital signatures will be accepted. Bid Opening will be held via conference call on Tuesday October 13th, 2026 at 3:00pm CT Contractor shall reference section 00 0116 for the bid submittal checklist <ul style="list-style-type: none"> Bid Proposal Information Non Discrimination Clause Information Contractor Targeted Small Business Enterprise Pre-Bid Contract Information Bid Security – 5% of total Bid amount Apparent low bidder will be required to submit subcontractor/supplier list 48hrs after the bid opening 						

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.2	1	Bid Schedule				Open
Description <ul style="list-style-type: none"> Questions/Substitutions Due in Writing to Construction.Procurement@das.iowa.gov: Thursday, October 1st, 2026 by 2:00pm Addendum Issued: Following Questions Received Bids Due: By 2:00pm, Tuesday October 13th, 2026 Tentative NOI Issued: Week of October 19th, 2026 <p>PLEASE NOTE THAT DAS EMAILS HAVE CHANGED, PLEASE UPDATE CONTACTS TO INCLUDE NEW EMAIL.</p> <ul style="list-style-type: none"> Construction.Procurement@das.iowa.gov 						

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.3	1	Administrative Details				Open
Description <ul style="list-style-type: none"> Contractors will sign a modified ConsensusDocs 802. Example in the project manual. Project-specific Certificate of Insurance must be provided prior to contract execution. Follow example in the project manual and limits in the 802. Project-specific P&P bonds must be provided prior to contract execution. Successful contractor must turn in their list of subcontractors and suppliers within 48 hours of the bid. DAS will provide tax exempt certificates upon request. Procore will be used for all project management, at no cost to the trade contractor. <ul style="list-style-type: none"> Submittals, Invoicing, RFIs, ASIs, PRs, RFQs Contracts, Change Orders and Certificates of Substantial and Final Completion will also use Docusign Contractor Schedule of Values shall be broken out as specified in the project manual. 						

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		<ul style="list-style-type: none"> SOV must contain a closeout line item for at least 1% of the total contract value. This line item can only be invoiced once the certificate of final completion has been signed by all parties. 				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.4	1	Pre-Bid Site Visits				Open
Description If additional visits are needed, please contact Ryan Schrage at (319) 404-7110.						

Questions

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
4.1	1	Questions				Open
Description Submit all questions in writing to construction.procurement@das.iowa.gov .						

These meeting minutes are believed to be an accurate reflection of those items discussed and the conclusions that were reached during the referenced meeting.
 Please contact State of Iowa - Department of Administrative Services if there are any discrepancies or questions with the content of these minutes.



ADDENDUM NO. 1
IDAS HHS STS
NEW GARAGE BUILDING REBID #2
Eldora, Iowa

HGM PROJECT # 106025

DATE OF ISSUE: October 9, 2026

DATE OF BID OPENING: October 27, 2026 (As of Addendum #1)

NOTE TO PLANHOLDERS: Please insert this addendum into your copy of the Project Contract Documents. The following additions or changes to the Contract Documents for the above-named project are issued by the Architect and have the same force and effect as though part of the original issued.

PART 1 - QUESTIONS AND CLARIFICATIONS

- Q1: You are requiring a \$10 million umbrella/excess liability limit, which is quite a bit higher than normal. Please confirm that the full \$10 million is required and if so, would you accept a lower limit.
- A: Per section 10.2.2 of the Consensus Docs 802 contract (a draft of which is included in the project manual), the excess or umbrella liability coverage required depends on the trade contractor contract amount and will be as follows:
- Trade Contractor Contract Amount: <\$1,000, 000 = \$2 Million Umbrella
- Q2: There is reference to Owner's and Contractors Protective Liability (OCP). This is not something we typically see requested. Please clarify whether this does actually REQUIRE a separate OCP policy or if the requirement can be satisfied through the existing liability coverage/additional insured provisions.
- A: The OCP is only required if commercial general liability insurance is not provided or does not meet the required minimums.
- Q3: What is the SWPP plan?
- A: Based on the anticipated disturbance area being less than one acre, an NPDES construction stormwater permit is not required for this project; therefore, a SWPPP is also not required. The Contractor is responsible for providing and maintaining temporary erosion and sediment control measures as necessary during construction, including the means and methods for those controls.
- Q4: Can we leave a locked trailer on site?
- A: Yes, can also leave equipment such as a skid loader as long as everything is locked.
- Q5: Are there any special rules for dumpsters?
- A: No
- Q6: Do deliveries need to be checked in or do delivery drivers need background checks?
- A: No, but someone from the prime contractor must be on site to accept the delivery.
- Q7: Are laminated post frame posts an acceptable alternative for the 6 by 6 treated lvl posts?
- A: Please submit the Substitution Request Form found in the Project Manual, Section 012500 – Substitution Procedures.
- Q8: Are the grade beams under the garage door thresholds connected to the post foundations? Also are the grade beams 8 inch thick?
- A: Yes, the grade beams are 8" wide. They do not need to connect to the column footings.

- Q9: What gauge of steel do you want me to use? The manufacturer that makes the colors desired has 22, 24, and 26 gauge steel. Also, is it ok to use 29 gauge steel of a similar color from another manufacturer?
- A: See spec sections in division 7 for gauge of steel for relative products. It has been determined by our engineers that 29-gauge steel does not meet the wind rating concerns for the roof or wall panels. Roof and wall panels should meet a minimum of 24-gauge. (See correction below under CHANGES TO PROJECT MANUAL.)
- Q10: Also, 1/2 osb cannot span 4ft, what was the plan here? Also, are we attaching the steel to the osb? If so most manufacturer warranties would be voided by this installation a minimum 5/8 CDX or osb is required.
- A: OSB to span 2ft. See attached S2.1 Sheet. Metal roof panels and OSB shall be fastened to the roof trusses.
- Q11: Is there a specific grade of fill soil that you want us to use? Also is there a specific type of rock that you want us to use for the floor?
- A: See spec section 31 22 00.
- Q12: E2.1 calls for four #1 aluminum service conductors, but Section 260519 prohibits aluminum. Please confirm the required conductor material and size, conduit size, and transformer termination requirements.
- A: Use of aluminum conductors is acceptable where specifically called out. Provide (4) #1 aluminum conductors in 1-1/2" conduit as indicated on E2.1. Contractor shall make connections to the existing pad-mounted transformer and coordinate transformer termination requirements with the Owner's Utility Department in accordance with Section 26 21 00.
- Q13: A1.1 note 4 requires two door operators for each overhead door, while E1.1/E2.1 shows six motor loads. Please confirm the total number of motors requiring power and any resulting circuit or panel revisions.
- A: Provide one (1) motorized door operator for each overhead door, for a total of six (6) motors. Provide two (2) push-button control stations for each overhead door, for a total of twelve (12) control stations. Bid electrical power to the six (6) overhead door motors as indicated on the electrical drawings.
- Q14: MG0.0 requires EF-1 to run 24/7, but E2.1 requires a gas-detection interlock. Please confirm the operating sequence and whether gas detection remains required. If required, identify the devices, controller, wiring, alarms, and furnishing/installing trade.
- A: No gas detection system is included in this project and should not be included in the note from equipment connect schedule.
- Q15: Please confirm the minimum maintained temperature inside the garage. The scheduled ELM4L standard unit is listed by its manufacturer for 50-104 F. Please confirm suitable emergency/exit lighting and remote-head capacity/configuration for the actual environment.
- A: See attached revised Sheet E1.1
- Q16: E1.1 shows five EM1 tags and two additional matching dual-head symbols on the overhead-door wall. Please confirm whether all seven are EM1 units.
- A: See attached revised Sheet E1.1
- Q17: Please provide the intended concrete-encased grounding electrode detail for the isolated-pier/rock-floor construction, including electrode continuity and the two foundation-steel connections shown on E2.1.
- A: Bonding electrodes are to be provided per NEC requirements. UFER is not required if not present.

- Q18: Please confirm owner-utility metering, available fault current, outage/access requirements, and the construction-power source and temporary-heating electrical load/duration.
- A: Electrical metering is not required. Available fault current is unknown so plan for unforeseen conditions; bid the KAIC rating indicated for the panel. Coordinate utility access/outage requirements with the Owner and Owner's Utility Department. Temporary power, lighting, and heating required for construction shall be coordinated with the Prime Contractor and the subcontractors. The transformer provides power to Corbert Miller Hall. From there it continues down to another transformer and stops at that point. The transformer can be isolated and only shut down Corbert Miller Hall. It will be possible to shut it down for a short amount of time, (between 8:00am-11:00am). This will need to be coordinated with the facility on day.
- Q19: Please confirm the Type 1 fixture catalog spelling and required mounting accessories, and the division of responsibility for overhead-door controls, photo-eyes, safety edges and field wiring downstream of the disconnect.
- A: Fixture series should be CBRB. The Prime Contractor to coordinate with sub-contractors for responsibility and scope.
- Q20: It appears that the treated lvl posts are not supposed to be buried, they are also not supposed to be wrapped in a waterproof membrane. What is the solution for this dilemma?
- A: Use Simpson MPB66Z Moment Post Base in lieu of embedding column.
- Q21: Another dilemma with the posts is the load rating. The posts are designed for 7,700 pounds if placed in a way that the post direct loads to a footing. The way the posts are designed shows the post being supported entirely from friction against the concrete and no direct loading. This could cause the building if ever fully loaded to shove the post into the ground and cause part of the building to fail. Another thing is the beams running the perimeter of the building are undersized to meet the loading specs of that area the beams would have to be triple 11 7/8 lvl at minimum. What is the solution for this issue?
- A: The triple 9 1/4 LVL are adequately designed for a total DL = 15 psf and LL = 20 psf. Calculations can be provided upon request.
- Q22: I also have a question about the girder attachment screws. The screws spec'd appear to be metal connector screws instead of ledger screws with big washer heads. Another design problem we found is that the walls of the build could blow off if the garage doors open during a strong wind event since the girters span 14ft and have only 28 screws holding them up. What is the solution for this problem?
- A: Simpson SDS 1/4 x 4 1/2 Strong-Drive screws are adequate for the design wind loads per the IBC assuming a Components & Cladding condition which is higher than typical building loading. Calculations can be provided upon request.
- Q23: I also have questions about the design to me the design is over engineered. I am building another government structure about 30 minutes away that is a similar application/framing method but the design is way simpler. I would like to save you money if possible because this design could be simplified significantly. I will bid the project as you have designed I just thought I would state my observations from a construction/contractor standpoint.
- A: Please submit the Substitution Request Form found in the Project Manual, Section 012500 – Substitution Procedures.

CLARIFICATION 1: Contractor is responsible for all utility locates and the state will coordinate all third-party testing.

PART 2 - CHANGES TO PROJECT MANUAL

- A. SECTION 001113 – NOTICE TO BIDDERS
1. Refer to 001113-1, make the following changes:
 - a. ¶3: **Change the bid date to October 27, 2026.** Times remain the same. (Bids are due at 2:00 p.m. and will be opened at 3:00 p.m.)
 - b. ¶8 and ¶9: Questions and Substitutions will be due by October 16, 2026, at 2:00 p.m.

B. SECTION 003113 – PRELIMINARY SCHEDULE

1. Refer to 003113-1, § 1.03-A: Change the Notice of Intent to Award to November 3, 2026.

C. SECTION 074213 – METAL WALL PANELS

1. Refer to 074213-2, § 2.01-C.3: Change “29 gauge” to “24 gauge” in reference to minimum thickness.

PART 3 - CHANGES TO DRAWINGS

A. SHEET S1.1 – FOUNDATION PLAN & DETAILS

1. Refer to attached drawing.

B. SHEET S2.1 – ROOF FRAMING PLAN & DETAILS

1. Refer to attached drawing.

C. SHEET E1.1 – ELECTRICAL PLAN

1. Added two (2) Type EM1 light fixtures and revised layout of Type EM1 fixtures on west wall of Garage 100.

D. SHEET E2.1 – ELECTRICAL SCHEDULES AND RISERS

1. Revised catalog numbers for light fixture Types 3, EM1, and EX1 to change to fixtures with cold weather battery packs.
2. Deleted note about gas detection system for EF-1 in Equipment Connection Schedule.

If a substitute material, product or manufacturer has been requested to be allowed, it will appear in an addendum only if approved. If not in the addenda, the alternate method, product or manufacturer is not approved.

All other stipulations and requirements of the plans and specifications remain in effect. This addendum shall be attached to and made part of the Contract Documents and shall be acknowledged with the bidder's proposal.

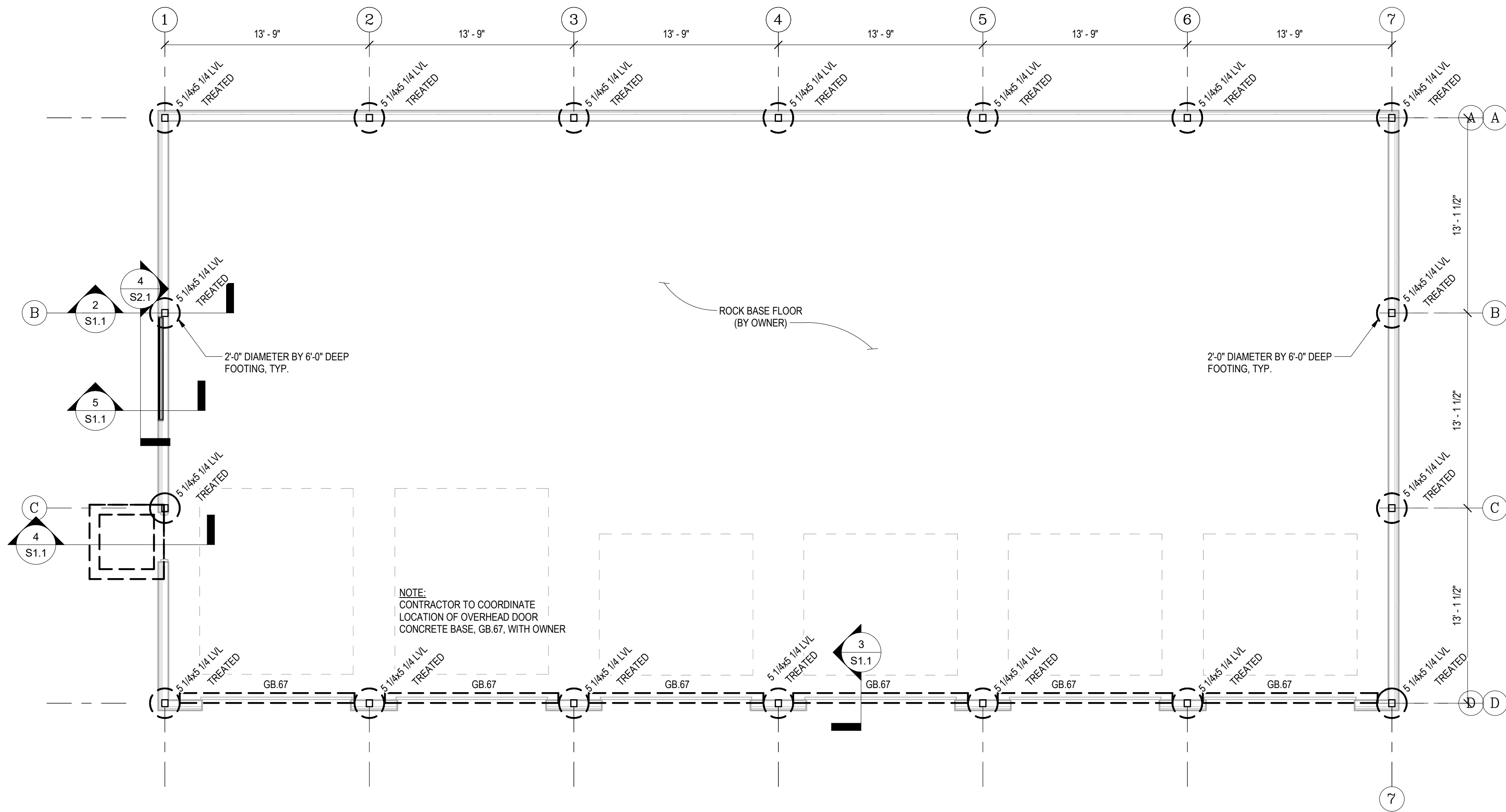
Respectfully Submitted:
HGM ASSOCIATES INC.



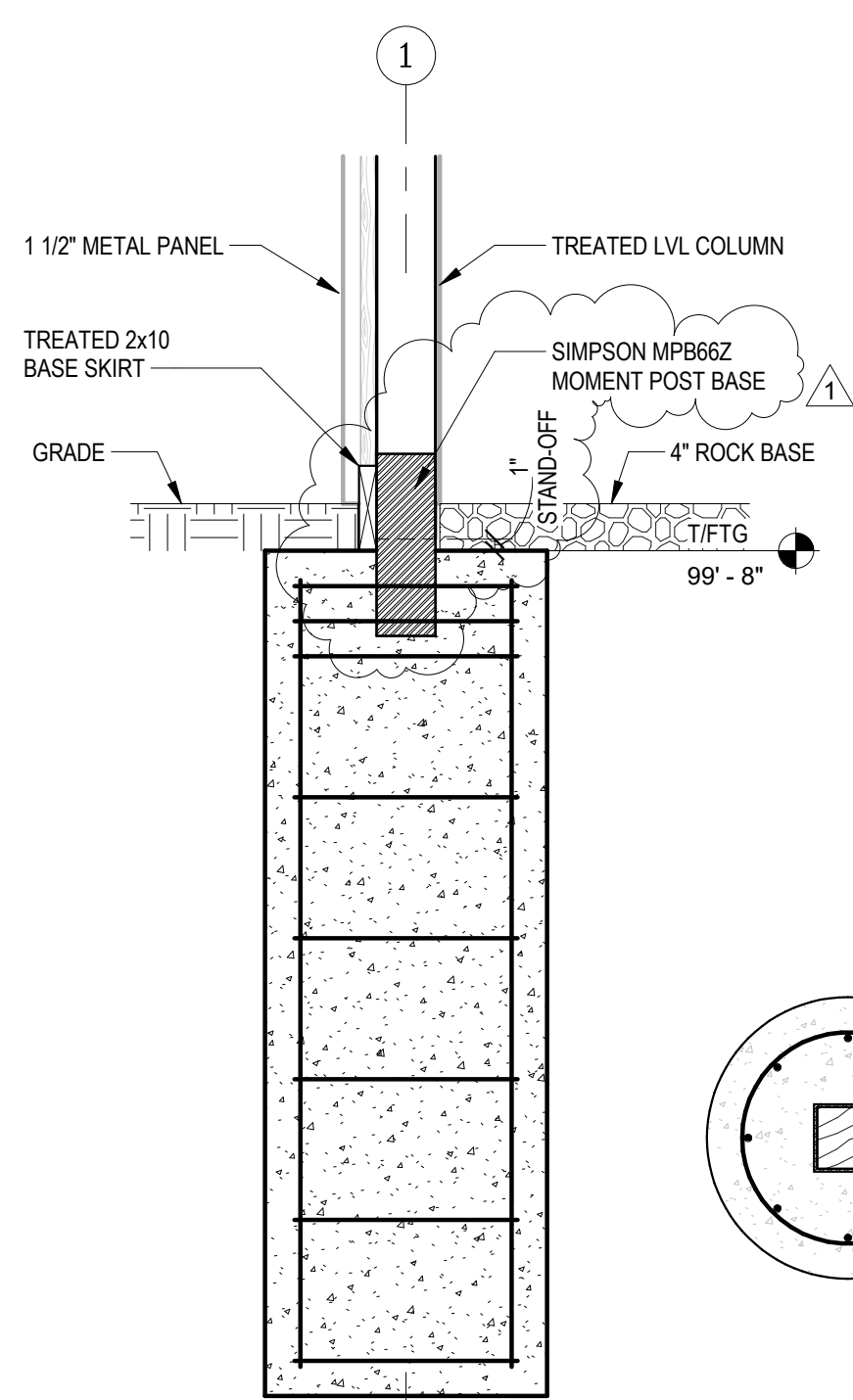
Project Manager

Attachments: Sheet S1.1 – Foundation Plan & Details
Sheet S2.1 – Roof Framing Plan & Details
Sheet E1.1 – Electrical Plan
Sheet E2.1 – Electrical Schedules & Risers

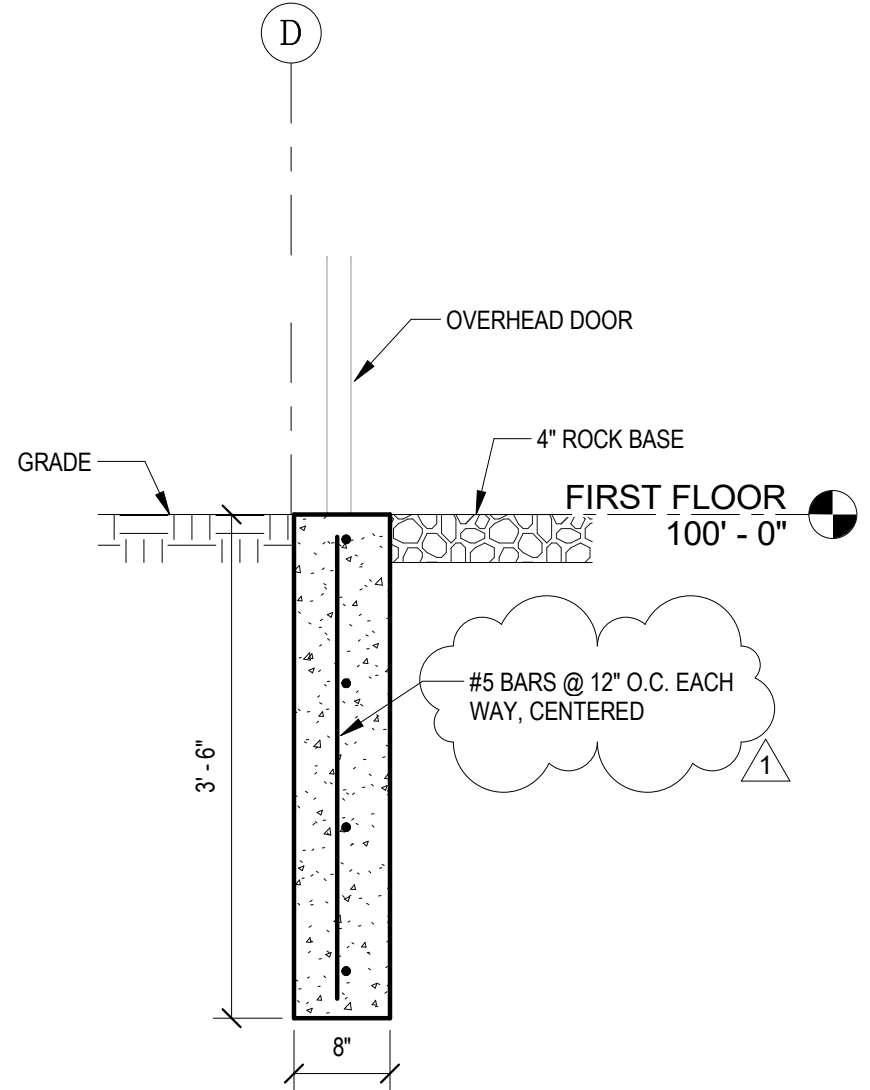
10/5/2026 4:18:29 PM C:\Users\Mjaeger\Documents\106025 IDAS Garage_STRUCT_RVT24_mjaeger@performance.com.rvt



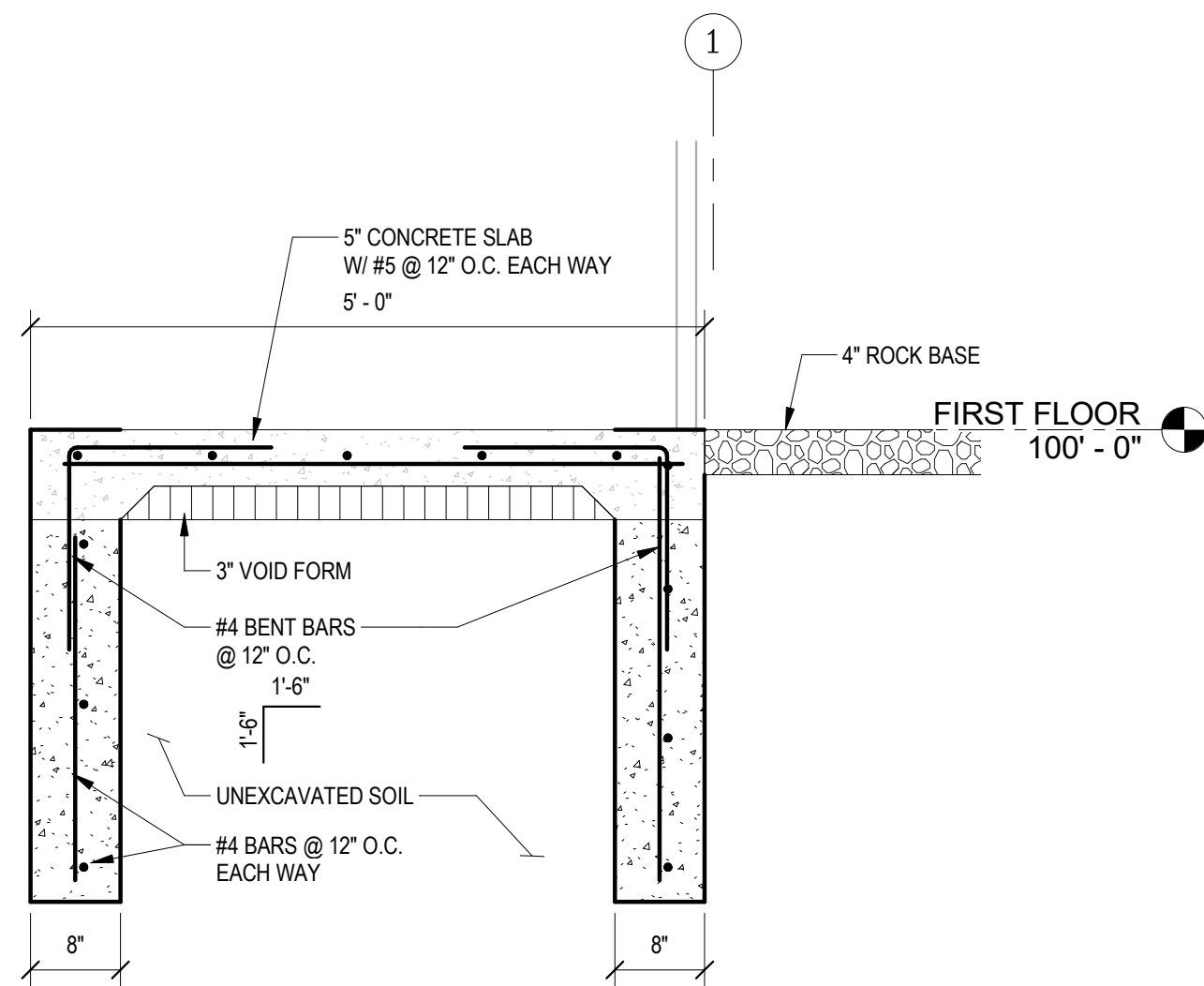
1 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



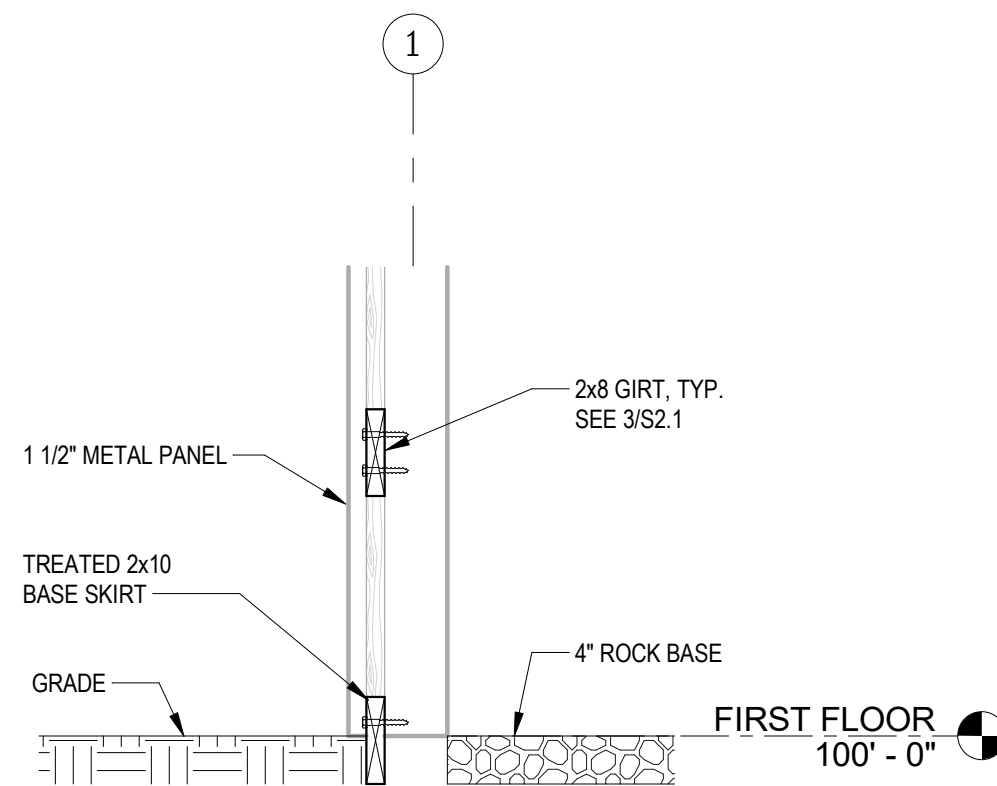
2 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



3 SECTION @ OH DOOR
SCALE: 3/4" = 1'-0"



4 STOOP SECTION
SCALE: 3/4" = 1'-0"



5 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"

PERFORMANCE
Engineering
11811 Fort Street, Suite 104 - Omaha, NE 68164
(402) 343-3960 Fax: (402) 343-3961
NE-CA2455
399 Perry St., Suite 204A - Castle Rock, CO 80104
(303) 721-3322
PE #: 250824



hgm
ASSOCIATES INC.
ENGINEERING ARCHITECTURE SURVEYING
council bluffs omaha

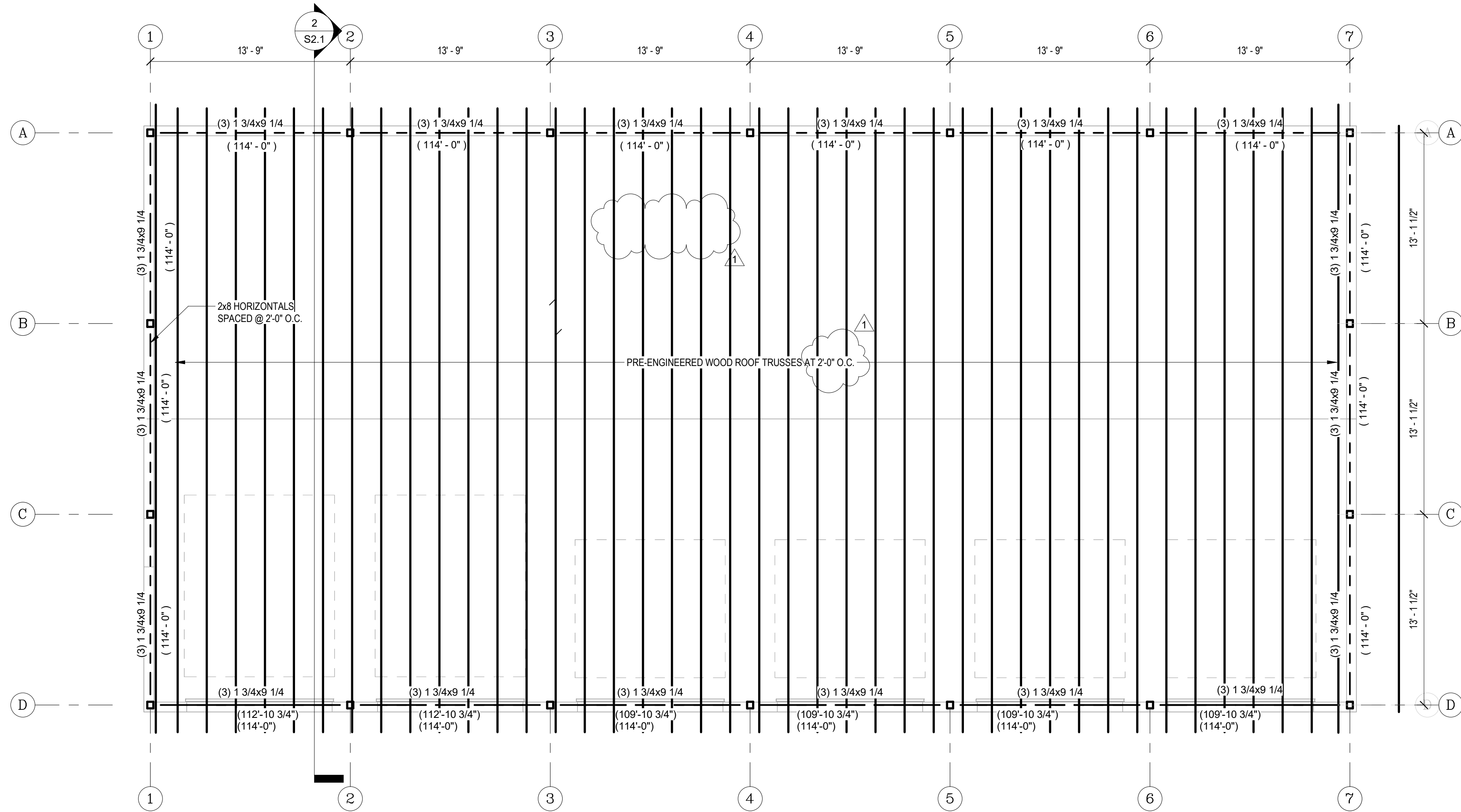
This drawing is being made for the use of the project in accordance with hgm's professional services. hgm associates inc. assumes no liability for any use of this drawing for any purpose other than that intended, except in accordance with the terms of the above agreement.

Rev#	Date
1	10/5/26
drawn	MAJ
designed	MAJ
approved	MAJ
date	08-10-26

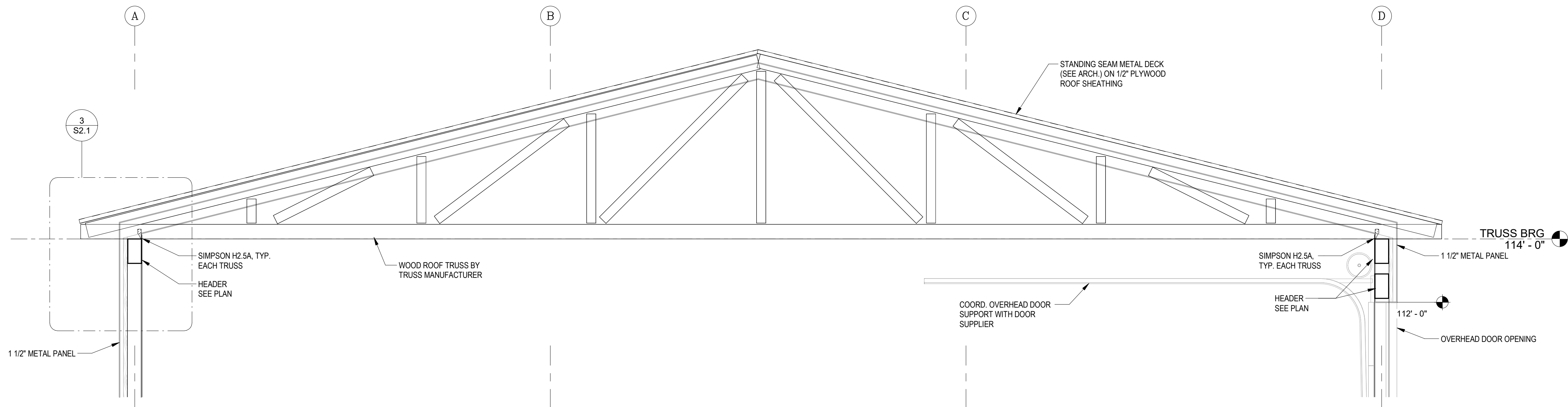
project **HHS STS NEW GARAGE BLDG**
3211 Edgington Ave, Eldora, IA 50627
client IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
sheet **FOUNDATION PLAN & DETAILS**

project no.
106025
9476.00
sheet

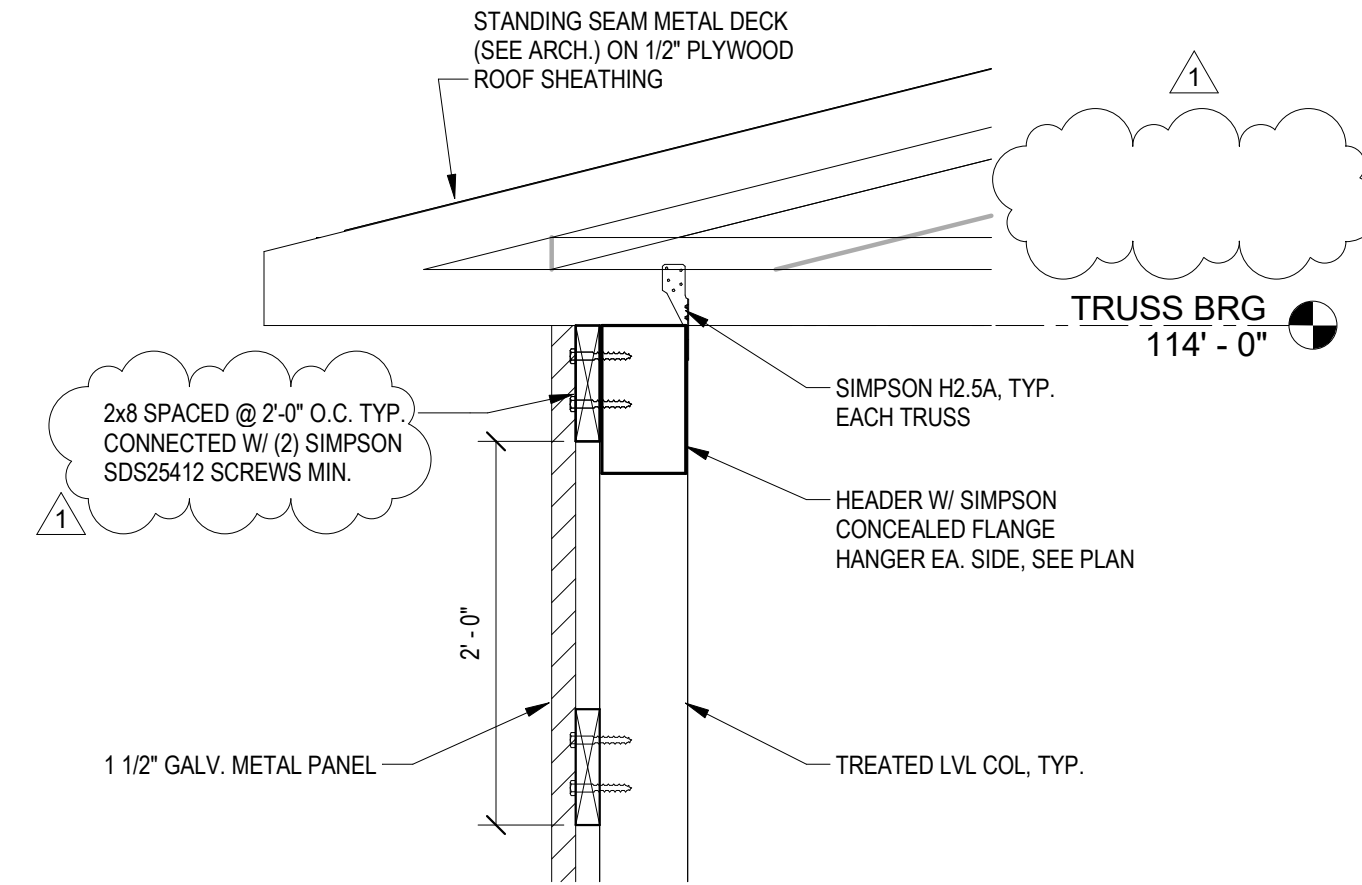
S1.1



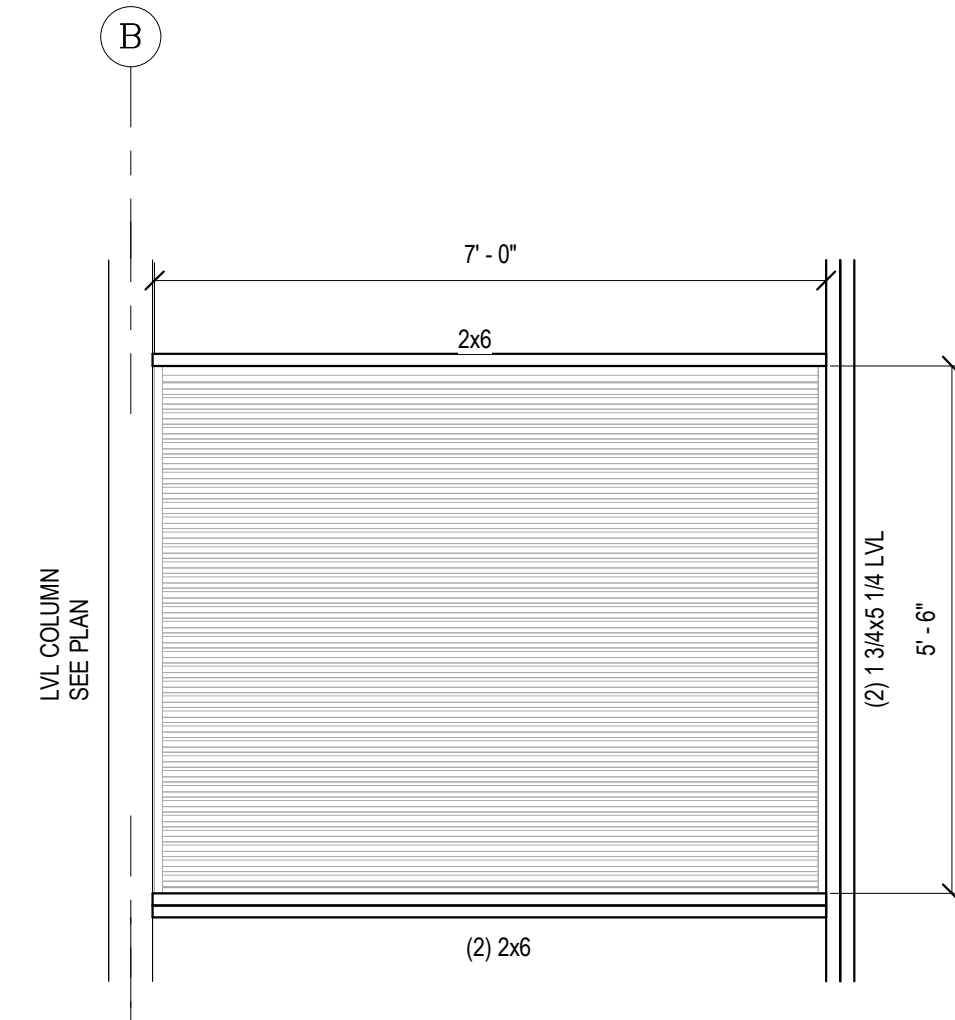
1 ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"



2 TRUSS SECTION
SCALE: 1/2" = 1'-0"



3 TRUSS BEARING DETAIL
SCALE: 1" = 1'-0"

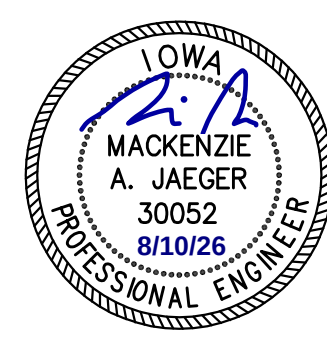


4 MECH. LOUVER FRAMING
SCALE: 1/2" = 1'-0"

GENERAL STRUCTURAL NOTES:

- A. DESIGN CRITERIA:
- DESIGN CODE: IBC 2018
- DESIGN LOADS
- GRAVITY LOADS
- ROOFS DL = 15 PSF LL = 20 PSF
SL BASED ON GROUND SNOW LOAD OF 25 PSF
(Ce = 1.0, Ct = 1.2, AND i = 0.8)**
- ** INCREASE LIVE LOAD FOR SNOW DRIFTING AS REQUIRED IN CONFORMANCE WITH THE AMERICAN SOCIETY OF CIVIL ENGINEERS ANSI/ASCE 7-16
- WIND LOAD CRITERIA (2018 IBC)
- BASE WIND SPEED (3 SECOND GUST), V = 105 MPH
- BUILDING CATEGORY I
- IMPORTANCE FACTOR 'Iw' = 1'-0"
- EXPOSURE CATEGORY C
- CONCRETE 28 DAY STRENGTH FC = 4,000 PSI
- ALLOWABLE SOIL BEARING CAPACITY 1,500 PSF (ASSUMED MINIMUM)
- WOOD MEMBERS DOUGLAS FIR LARCH NO. 2 MINIMUM
(TREATED WOOD MEMBERS REQUIRED AT ALL LOCATIONS WHERE WOOD IS IN CONTACT WITH GROUND)

PERFORMANCE
Engineering
11811 Fort Street, Suite 104 - Omaha, NE 68164
(402) 343-3960 Fax: (402) 343-3961
NE-CA2455
399 Perry St., Suite 204A - Castle Rock, CO 80104
(303) 721-3322
PE #: 250824



hgm
ASSOCIATES INC.
ENGINEERING ARCHITECTURE SURVEYING
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1	10/5/26
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designed	MAJ
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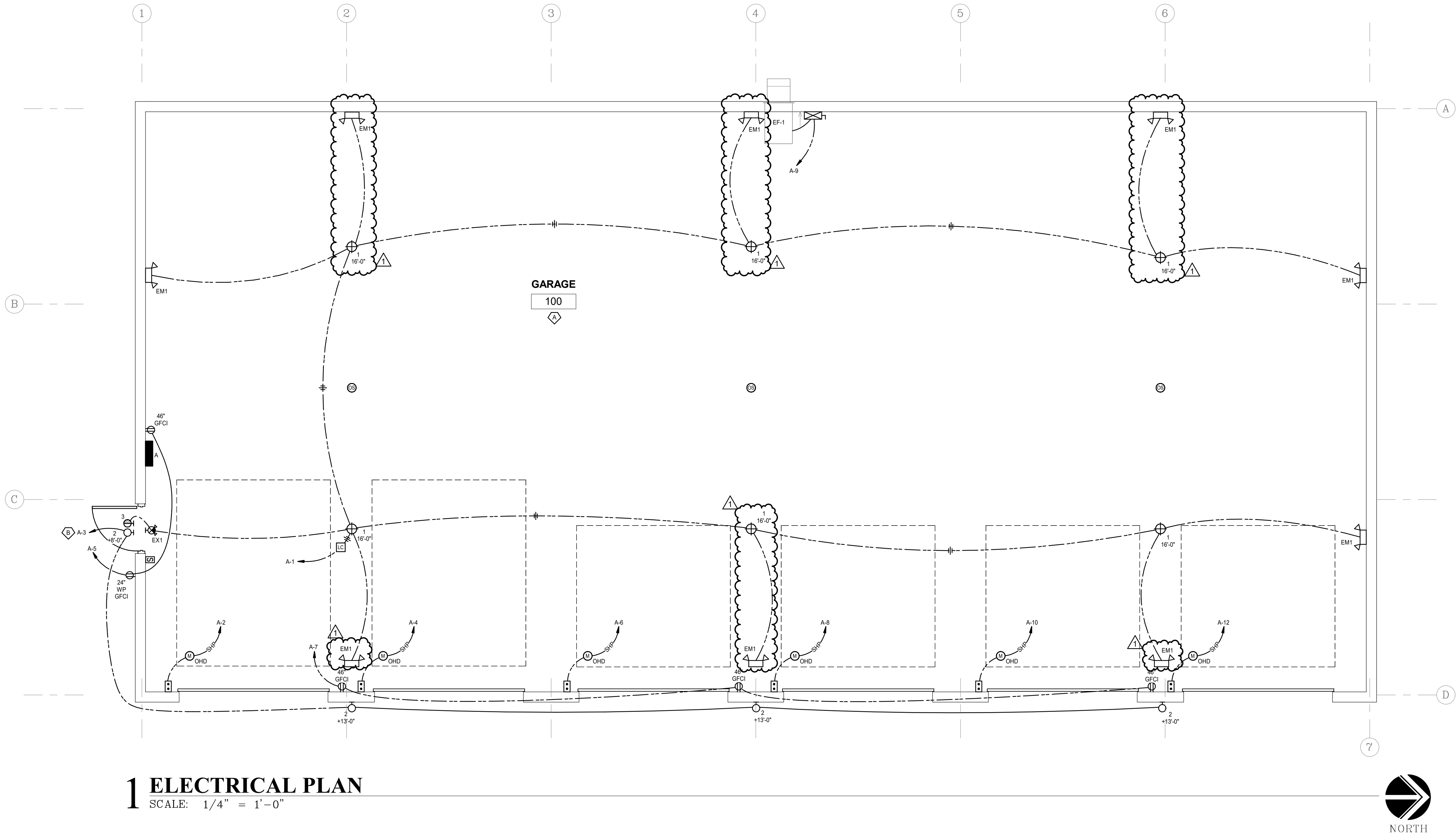
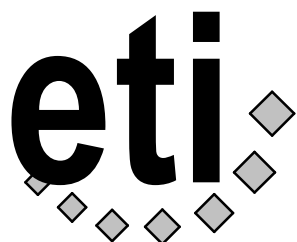
project **HHS STS NEW GARAGE BLDG**
3211 Edginton Ave, Eldora, IA 50627

client **IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES**

sheet **ROOF FRAMING PLAN & DETAILS**

project no.
106025
9476.00
sheet

S2.1



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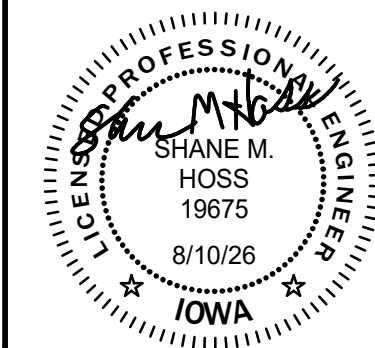
project **HHS STS NEW GARAGE BLDG**
3211 Edgington Ave, Eldora, IA 50627
client **IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES**
sheet **E1.1**

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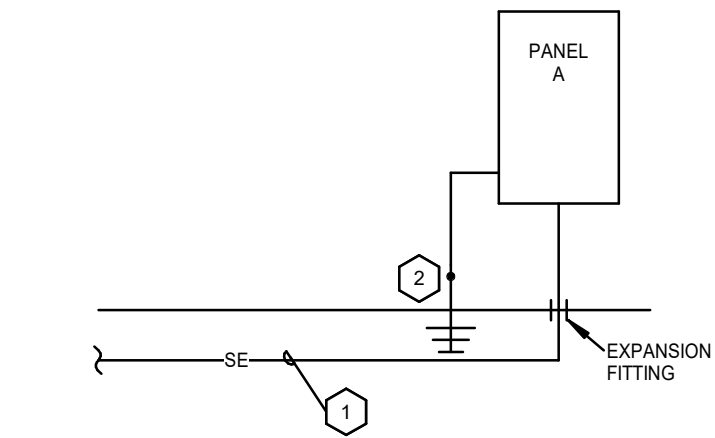
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hgm
ASSOCIATES INC.
ENGINEERING ARCHITECTURE SURVEYING
council bluffs omaha



LIGHT FIXTURE SCHEDULE										
GENERAL NOTES: A. MOUNTING HEIGHT IS TO BOTTOM OF LIGHT FIXTURE, UNLESS OTHERWISE NOTED.										
NOTES: 1. SET COLOR TEMPERATURE TO 4000K AS INDICATED.										
MARK	DESCRIPTION	LAMP	COLOR TEMP	LUMENS	WATTS	MOUNTING	MANUFACTURER	CATALOG NUMBER	ACCEPTABLE MANUFACTURERS	NOTES
1	LED ROUND HIGH BAY, POLYCARBONATE LENS	LED	4000K	12000	83	SUSPENDED	LITHONIA	CPBR-AL013-JVOLT-SWW9-80CRI-DWH	METALUX, COLUMBIA	1
2	SMALL RECTANGULAR, DIE-CAST ALUMINUM, EXTERIOR LED WALL PACK, IP66 RATED DARK BRONZE FINISH, INTEGRAL PHOTOCELL	LED	3000K	1650	13	WALL	LITHONIA	WPX0-LED-ALC-SWW2-MVOLT-PE-DOB8X0-M2	METALUX, COLUMBIA	-
3	DIE-CAST ARCHITECTURAL EMERGENCY LIGHT, COLD WEATHER LTP BATTERY, DARK BRONZE FINISH	LED	-	-	-	SURFACE	LITHONIA	AFB-OEL-DOB8TX0-JVOLT-4NLT-PT-WT-CW	SURE-LITES, DUAL-LITE	-
EM1	THERMOPLASTIC SELF-CONTAINED EMERGENCY LIGHT, DUAL LED HEADS, COLD WEATHER BATTERY	LED	-	1034	14	SURFACE	EVENLITE	TCSWL-L67-CW	SURE-LITES, DUAL-LITE	-
EX1	THERMOPLASTIC SELF-CONTAINED EXIT LIGHT, SINGLE FACE, RED LETTERING, DUAL LED HEADS, COLD WEATHER NICKEL CADMIUM BATTERY	LED	-	-	-	SURFACE	LITHONIA	WLTC-1-R-CW	SURE-LITES, DUAL-LITE	-

LIGHTING CONTROL SCHEDULE											
GENERAL NOTES: A. WHERE A LOW VOLTAGE SWITCH IS INDICATED ON THE PLANS WITH NO SUBSCRIPT, PROVIDE A 2-BUTTON ON/OFF SWITCH TO CONTROL ALL LIGHTING IN A SPACE. WHERE SUBSCRIPTS ARE INDICATED ON A LOW VOLTAGE SWITCH, PROVIDE SEPARATE ON/OFF BUTTONS FOR EACH SUBSCRIPT (LIGHTING ZONE). B. WHERE DIMMING AND LOCAL ON/OFF IS INDICATED FOR A SPACE, PROVIDE LOW VOLTAGE SWITCH WITH SEPARATE RAISE AND LOWER BUTTONS FOR EACH ZONE INDICATED ON THE LOW VOLTAGE SWITCH. C. WHERE DIMMING IS INDICATED, PROVIDE DIMMING LOAD CONTROLLERS COMPATIBLE WITH LIGHT FIXTURES BEING PROVIDED. PROVIDE A DIMMING LOAD CONTROLLER FOR EACH LIGHT FIXTURE TYPE WITHIN A COMMON DIMMING ZONE. D. REFER TO THE LIGHTING CONTROLS SPECIFICATION FOR ADDITIONAL REQUIREMENTS.											
NOTES: 1. LIGHTING CONTROLS INTEGRAL TO LIGHT FIXTURE, SEE LIGHT FIXTURE SCHEDULE. 2. 3.											
MARK	MOTION SENSOR SETTINGS			LOCAL ON/OFF	DIMMING	TIME CLOCK	PHOTOCELL	DAYLIGHT HARVESTING (FOOTCANDLES)	BUILDING NETWORKED LIGHTING CONTROL SYSTEM	EXAMPLE SPACE TYPE	NOTES
	MANUAL ON	AUTO ON (%)	TIME TO OFF (MIN)								
A	X	-	20	X	-	-	-	-	-	GARAGE	
B	-	-	-	-	-	-	X	-	-	EXTERIOR BUILDING LIGHTS	



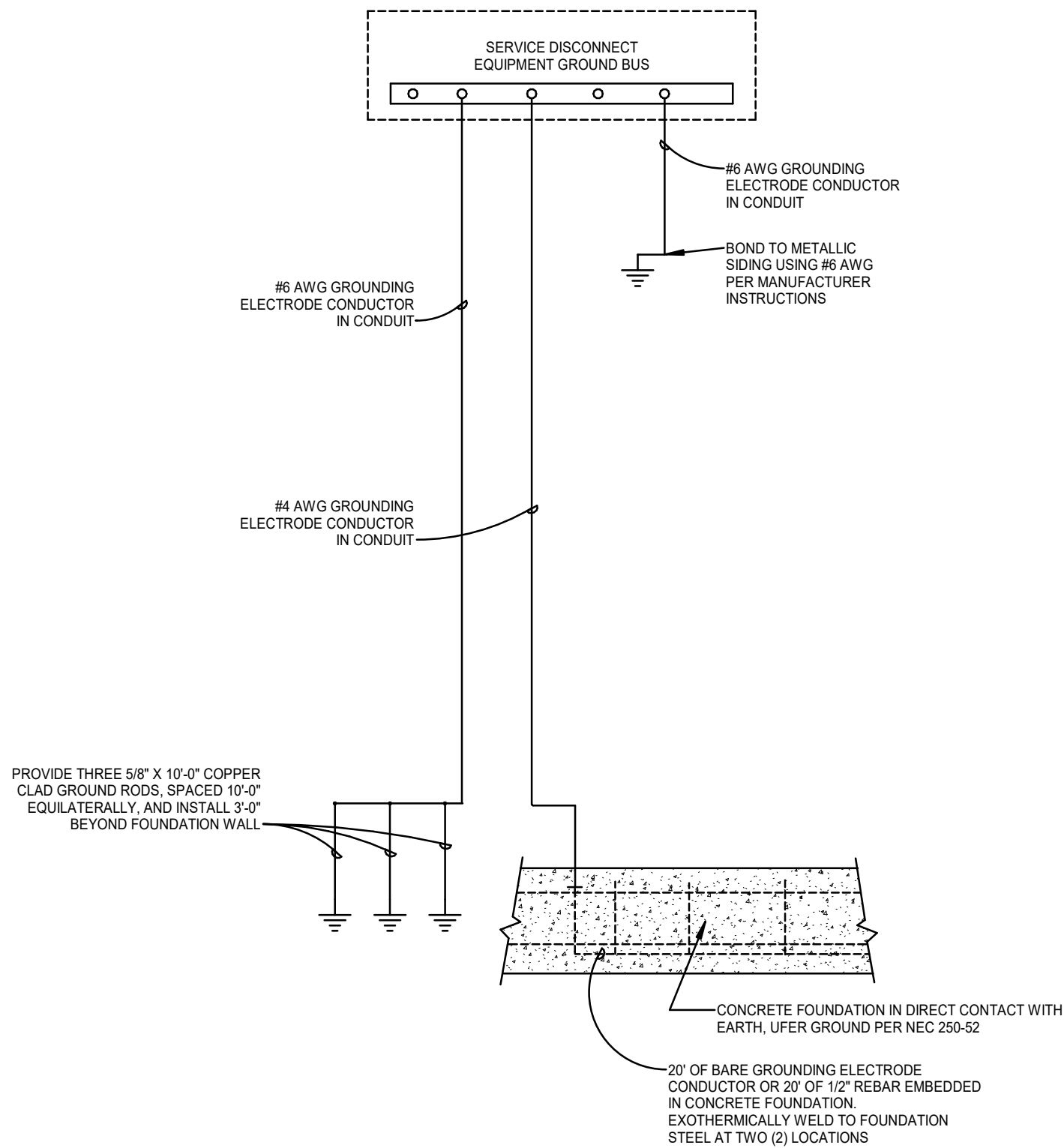
1 RISER DIAGRAM
SCALE: N.T.S.

SHEET NOTES

- SECONDARY ELECTRICAL SERVICE. PROVIDE 4-#1 AL IN 1.50" CONDUIT. CONTRACTOR TO MAKE ALL CONNECTIONS TO EXISTING PAD MOUNTED TRANSFORMER. COORDINATE WORK WITH THE OWNERS UTILITY DEPARTMENT.
- PROVIDE SERVICE GROUND. SEE DETAIL 2, THIS SHEET.

EQUIPMENT CONNECTION SCHEDULE															
GENERAL NOTES:															
A. ALL LOW VOLTAGE HVAC CONTROL WIRING SHALL BE BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.															
B. ALL EXHAUST FANS ARE FURNISHED WITH AN INTEGRAL DISCONNECTING MEANS, UNLESS NOTED OTHERWISE.															
MARK	DESCRIPTION	ELECTRICAL				CONDUCTORS		GND SIZE		CONDUIT		SAFETY SWITCH	CONTROLLER	CONNECTION	REMARKS
		KW	HP	VOLTS	PHASE	NO.	SIZE	NO.	SIZE						
EF-1	EXHAUST FAN	-	1/3	120	1	2	#12	#12	1	0.75"	INTEGRAL TO CONTROLLER	NEMA 0 COMBO STARTER GENERAL DUTY	DIRECT	-	
OHD	OVERHEAD DOOR	-	F	120	1	2	#12	#12	1	0.75"	SHF	-	DIRECT	-	

PANEL SCHEDULE															
PANEL A		VOLTAGE 120 / 208V		PHASE 3Ø		4 WIRE, SOLID NEUTRAL		22 KAIC RMS		100 A		MAIN BREAKER SURFACE MOUNTED			
LOAD DESCRIPTION		LOAD		BREAKER		NO.		PHASE		BREAKER		LOAD		LOAD DESCRIPTION	
		VA	TYPE	POLES	AMPS	TYPE				TYPE	AMPS	POLES	TYPE	VA	
INT. LIGHTING	500	L	1	20	-	1	A	2	-	20	1	X	800	OVERHEAD DOOR	
EXT. LIGHTING	100	L	1	20	-	3	B	4	-	20	1	X	800	OVERHEAD DOOR	
RECEPT	800	R	1	20	-	5	C	6	-	20	1	X	800	OVERHEAD DOOR	
RECEPT	800	R	1	20	-	7	A	8	-	20	1	X	800	OVERHEAD DOOR	
EF-1	1,560	M	1	25	-	9	B	10	-	20	1	X	800	OVERHEAD DOOR	
SPARE	1,000	S	1	20	-	11	C	12	-	20	1	X	800	OVERHEAD DOOR	
SPARE	1,000	S	1	20	-	13	A	14	-	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	-	15	B	16	-	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	-	17	C	18	-	20	1	S	1,000	SPARE	
SPARE	1,000	S	1	20	-	19	A	20	-	20	1	-	-	SPACE ONLY	
SPACE ONLY	-	-	1	20	-	21	B	22	-	20	1	-	-	SPACE ONLY	
SPACE ONLY	-	-	1	20	-	23	C	24	-	20	1	-	-	SPACE ONLY	
SPACE ONLY	-	-	1	20	-	25	A	26	-	20	1	-	-	SPACE ONLY	
SPACE ONLY	-	-	1	20	-	27	B	28	-	20	1	-	-	SPACE ONLY	
SPACE ONLY	-	-	1	20	-	29	C	30	-	20	1	-	-	SPACE ONLY	
LOAD INFORMATION															
TOTAL CONNECTED LOAD		KVA		AMPS		NOTES:									
		16		45		1.									
EST. MAX DEMAND		12		35											



- DETAIL GENERAL NOTES:**
- INSTALL GROUND AND BONDING CONDUCTORS WITH SUFFICIENT SLACK TO AVOID BREAKAGE DUE TO SETTLEMENT AND MOVEMENT OF CONDUCTORS AT ATTACHED POINTS.
 - GROUNDING CONDUCTORS SHALL BE UL LISTED FOR THE PURPOSE INTENDED.
 - BELOW GRADE GROUNDING CONNECTIONS SHALL BE MADE BY USING EXOTHERMIC WELD PROCESS. MATERIALS USED (MOLDS, WELDING METAL, TOOLS ETC.) SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
 - ABOVE GRADE GROUNDING CONNECTIONS SHALL BE MADE USING TWO HOLE CRIMP TYPE COMPRESSION CONNECTIONS. MECHANICAL CONNECTIONS, FITTINGS OR CONNECTIONS THAT DEPEND SOLELY ON SOLDER SHALL NOT BE USED.
 - THE GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN CONTINUOUS FROM THE GROUND BAR. IDENTIFY EACH GROUNDING ELECTRODE WITH AN IDENTIFICATION LABEL AT ITS SOURCE.

2 SERVICE GROUND BUS DETAIL
SCALE: N.T.S.



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SMH		
designed		
SMH		
approved		
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project **HHS STS NEW GARAGE BLDG**
3211 Edgington Ave, Eldora, IA 50627
client **IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES**
sheet **ELECTRICAL SCHEDULES AND RISERS**

project no. **106025**
9476.00
sheet
E2.1