

**TOWN OF DERRY, N.H.**  
**DEPARTMENT OF PUBLIC WORKS**  
14 Manning Street, Derry, NH 03038  
(603) 432-6144

**INVITATION TO BID**

Sealed bids will be received at the Derry Municipal Center, 14 Manning Street, Derry, NH 03038 until 4:00 pm, prevailing time, Wednesday, August 4, 2021 for the following items:

**Derry Public Library Attic HVAC Catwalks and Mezzanine Access**  
**64 East Broadway, Derry, NH**

Bid invitations and specifications will be available at the Department of Public Works, 14 Manning Street, Derry, NH or online at: <https://www.derrynh.org/bids-rfps>

Questions regarding this request should be directed to Alan R Cote, Superintendent of Operations via email at [alancote@derrynh.org](mailto:alancote@derrynh.org) or by facsimile at (603) 432-6130.

The Town of Derry reserves the right to waive any irregularities, reject any or all bids, and to accept the bid that appears to be in the best interest of the Town. Failure to submit all information called for may be sufficient for disqualification.

Alan R. Côté  
Superintendent of Operations

## **GENERAL:**

1. Bids will be received by the Town of Derry, New Hampshire at the Derry Municipal Center, 14 Manning Street, 2<sup>nd</sup> floor, until the time specified in the Invitation to Bid.
2. The following meanings are attached to the defined words when used in this document:
  - a. The word "Town" means the Town of Derry, New Hampshire.
  - b. The word "Bidder" means the person, firm, or corporation submitting a bid on these specifications or any part thereof.
  - c. The word "Contractor" means the person, firm, or corporation with whom the Contract is being made by carrying out the provisions of this Sealed Bid Invitation and the Contract.
  - d. The words "firm price" shall mean a guarantee against price increase during the life of the Contract.
3. Strict compliance with the requirements of the Invitation to Bid, terms and conditions, and instructions printed is necessary. All blank spaces must be filled in. Any changes and/or corrections shall be marked in red and initialed by the person making such corrections. Signatures of the responsible owner/representative of the firm must be in ink. No reproductions/duplications/copies will be accepted.
4. Each bid must give the full business address of the Bidder and be signed by him with his usual signature. Bids by partnerships must furnish the full names of all partners and must be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing. Bids by corporations must be signed with the legal name of the corporation, followed by the state of incorporation and by the signature and title of the president, secretary, or other person authorized to bind it in the matter. The name of each person signing shall also be typed or printed below the signature. A bid by a person who affixes to his signature the word 'president', 'secretary', 'agent' or other title without disclosing his principal may be held to be the bid of the individual signing. When requested by the Town, satisfactory evidence of the authority of the signing officer signing on behalf of the corporation shall be furnished.
5. Bids must be securely sealed in a suitable envelope (facsimile and emailed submissions will not be accepted), addressed and marked on the outside as follows:

**SEALED BID**  
**DERRY PUBLIC LIBRARY ATTIC HVAC CATWALKS**  
**AND MEZZANINE ACCESS**

The entire solicitation document is to be returned when submitting a proposal, unless otherwise directed by the solicitation document. Failure to return all pages may result in a determination that the submittal is non-responsive.

6. It will be the responsibility of the Bidder to see that their bid is received by the Public Works Department as specified.
7. Each bid is received with the understanding that the acceptance in writing via email by the Town to the Bidder to furnish any or all of the products /services described therein or as otherwise negotiated, shall constitute a contract between the Bidder (Contractor) and the Town, which shall bind the Bidder (Contractor) on his part to furnish and deliver the articles offered at the prices agreed upon and in accordance with the terms and conditions of said accepted bid; and the Town on its part to order from such Bidder (Contractor), except for causes beyond reasonable control; and pay for, at the agreed prices, all products/services specified and delivered.
8. Bids may be withdrawn upon written or electronic request received from Bidders prior to the time of opening. Negligence on the part of the Bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened.
9. The solicitation document maintained by the Public Works Department, in the appropriate file folder, shall be considered the official copy. In the case of any inconsistency between bid documents submitted to the Town, but not clearly listed on the exception page of the document or as an exception by the Bidder, the language of the official copy shall prevail. Furthermore, any exception or changes to the specifications made by the Bidder may be cause to disqualify your bid.
- 10. An optional pre-bid walk through is scheduled for Wednesday, July 21 at 9:00 am.**
11. No oral interpretations will be made to any Bidder as to the meaning of the specifications or terms and conditions of this Sealed Bid Invitation. Every request for such interpretation or request for change in the specifications or terms and conditions shall be made in writing, addressed and forwarded to:

Mail: Alan R. Cote, Supt of Operations  
Derry Municipal Center  
14 Manning Street  
Derry, NH 03038

Email: [alancote@derrynh.org](mailto:alancote@derrynh.org)

Fax: (603) 432-6130  
Attn: Alan R. Cote, Supt of Operations

**Questions must be received by Friday, July 30, 2021 at noon.** Every interpretation made to a Bidder will be in the form of an addendum to the Sealed

Bid Invitation which, if issued, will then be posted on the website: : [http://www.derry-nh.org/Pages/DerryNH\\_Bids/](http://www.derry-nh.org/Pages/DerryNH_Bids/) All such addenda shall become part of the complete Sealed Bid Invitation. It is the Bidder's responsibility to check the website prior to the submittal deadline to ensure that the Bidder has a complete, up-to-date bid package.

12. Bids that are incomplete, not properly endorsed or signed, or otherwise contrary to these instructions may be rejected as informal by the Town. The bid must be filled out completely and accurately. Please explain in detail any exceptions or deviations taken on this bid. Separate pages may be used if necessary.
13. Bids must be submitted on the bid schedule hereinafter provided. Prices shall be clearly and fully stated in units of quantities specified. No additional charges shall be passed to the Town, including all applicable taxes, delivery or surcharges that have not already been disclosed on the bid schedule. In case of discrepancy in computing the amount of the bid, unit prices quoted will govern.
14. Quotations shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the Bidder, prices quoted will be considered as being based on delivery to destination designated, including any and all freight and packing charges.
15. As the Town is exempt from the payment of federal excise taxes, all prices quoted herein are not to include these taxes.
16. Prices stated shall remain firm for the duration of the contract.
17. Should the successful Contractor fail to make delivery or complete the contract within time specified, the Town reserves the right to procure the equipment/product from other sources and hold the Contractor liable for any excess cost.
18. The Town reserves the right to postpone the delivery date to allow for any change in operating conditions or for any other cause not now foreseen. In the event the Town elects to exercise this right, all prices quoted pursuant to this Sealed Bid Invitation will remain firm, and the Town shall incur no additional obligation to the Contractor on account of any delay of delivery date ordered by the Town.
19. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents, and acts of God.
20. The time of proposed delivery must be stated in definite terms. If time of delivery for different equipment varies, the Bidder shall so state.

21. The apparent silence of these specifications and any supplemental specifications as to any detail or the omission from the specifications of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and correct type, size and design are to be used. All interpretations of these specifications shall be made on the basis of this statement.
22. The Town reserves the right to waive any informality in bids, to reject any and all bids wholly or in part, and to make awards in a manner deemed in the best interest of the Town.
23. Awards will be made in the best interest of the Town. In determining what would be in the best interest of the Town, the following shall be considered:
  - a. The ability, capacity, and skill of the Bidder to perform the Contract or provide the service required;
  - b. Whether the Bidder can perform the Contract or provide the service promptly or within the time specified, without delay or interference;
  - c. The character, integrity, reputation, judgment, experience, and efficiency of the Bidder;
  - d. The quality of performance of previous contracts or services;
  - e. The previous and existing compliance by the Bidder with laws and ordinances relating to the Contract or service;
  - f. The sufficiency of the financial resources and ability of the Bidder to perform the Contract or provide the service;
  - g. The quality, availability, and adaptability of supplies or contractual services to the particular use required;
  - h. The ability of the Bidder to provide future maintenance and services for the use of the subject of the Contract;
  - i. The number and scope of additions attached to this bid.
24. The Town reserves the right to make awards on this proposal by item or to accept all or part of the proposal or prices quoted. In addition, the Town reserves the right to award materials on the basis of the lowest total cost of the bid item to the Town, including the Town's cost of transportation to and from the source.

In cases where two or more Bidders have the same net bid, the Town may give preference to firms located within the Town.

25. Upon making an award, or giving notice of intent to award, the Town will place appropriate notice on the Purchasing website: [http://www.derry-nh.org/Pages/DerryNH\\_Bids/](http://www.derry-nh.org/Pages/DerryNH_Bids/)
26. The Bidder must certify that no official or employee of the Town or State of New Hampshire, has a pecuniary interest in the proposal or in the Contract that the Bidder offers to execute or in the expected profits to arise there from, and that this bid is made in good faith without fraud, collusion or in connection with any other person submitting a proposal.
27. The Bidder, if awarded an order or contract, agrees to protect, defend and hold the Town harmless against any demand for the use of any patented material, process, article or device that may enter into the manufacture, construction or form a part of the work covered by either order or contract.
28. The Bidder, if awarded an order or contract, agrees to defend, indemnify, and hold harmless the Town from all damages to life and property arising out of the performance of this Contract due to the Bidder's negligence, that of his employees, subcontractors, etc., or due to the negligence of the Town, its employees, representatives, agents, etc.
29. The Revised Statutes Annotated of the State of New Hampshire, the Charter of the Town, and all Town Ordinances insofar as they apply to the laws of competitive bidding, contracts and purchases are made a part hereof.
30. The Bidder to whom a contract is awarded guarantees to the Town that all warrants of merchantability and fitness for a particular purpose as provided for in New Hampshire RSA 382A-2-314 and 2-314 shall remain in force and will not be disclaimed.
31. The Bidder, if awarded an order or contract, agrees to provide to the Town proof of Federal Identification Number (IRS Code Section 6723). Acceptable forms of documentation are a copy of a federal tax depository ticket, copy of IRS label showing name and Federal ID Number, IRS letter of taxpayer Identification Number assigned, other correspondence from the IRS with both individual/business name and Federal Identification or stationery/bills with Federal ID Number (and firm name and address) PREPRINTED on it. Any impertinent information may be blackened out before sending to the Town. Copies of tax returns must show taxpayer section and signature.
32. Any vendor who receives an order or orders resulting from this invitation agrees to submit a Material Safety Data Sheet (MSDS) for each toxic or hazardous substance or mixture containing such substance pursuant to RSA 277-A when deliveries are made. The vendor agrees to deliver all containers properly labeled pursuant to RSA 277-A. Failure to submit an MSDS and/or label on each

container will place the vendor in noncompliance with the purchase order. Failure to submit MSDS and/or labels on each container may result in civil or criminal penalties, including debarment and action to prevent the vendors furnishing substances or mixtures. Vendors are cautioned to obtain and read the law referenced.

33. Payment Terms: Payments shall be on a monthly basis based on percentage of project completed. A detailed description of completed work and verification by a Town representative shall be required. Under no circumstance shall more than 66% of the project be paid prior to completion and commissioning of the control system.
34. Pursuant to RSA 447:16 a payment and performance bond will be required in the amount of 100% of the bid price.

FAILURE TO COMPLY WITH THESE REQUIREMENTS COULD RESULT IN THE  
CANCELLATION OF AN ORDER OR CONTRACT

**SPECIFICATIONS**

The Town of Derry is hereby requesting firm pricing for supplying and installing Attic HVAC Catwalks and Mezzanine Access at the Derry Public Library, 64 East Broadway, Derry, NH.

**PURPOSE:**

The purpose of this bid invitation is to establish a contract with a company to install Attic HVAC Catwalks and Mezzanine Access at the Derry Public Library as depicted on the plans referenced under the scope of work.

**COMPLETION OF WORK:**

The project must be completed no later than October 31, 2021. Bidder must identify any expected deviation from this completion date in its submission.

**PAYMENT:**

All payments will be made in accordance with the Town of Derry ordinances and procedures set forth within this document, item 33 Payment terms.

**INSPECTION:**

The Attic Catwalks and Mezzanine Access must be inspected and approved by the Public Works Department prior to acceptance and payment.

**EXCEPTIONS/DEVIATIONS:**

If the Bidder has any exceptions or deviations please submit those on your own letterhead and put a check mark in the box on page 9.

**GENERAL:**

Bid prices shall remain firm for the duration of the contract.

The Town reserves the right to terminate the contract entered into as a result of this bid if goods and services are at any time deemed to be unsatisfactory.

Any and all building permit fees for this project will be waived.

This project is **not** subject to prevailing wage requirements.

The contractor shall be responsible for the disposal of all construction and demolition debris generated by this project.

The successful bidder must provide the Town of Derry a certificate of Liability Insurance of no less than one million dollars (\$1,000,000.00)

The successful bidder must provide a certificate of insurance for Workers' Compensation as required by New Hampshire Revised Statutes Annotated (NHRSA) 281-A.

Hours of operation for completion of this project will be Monday through Friday, 8am – 5pm unless otherwise approved by the Town of Derry, Dept. of Public Works, and Derry Police Dept.

All access to the Derry Public Library's existing HVAC attic/mezzanine catwalks is presently via a ladder and hatch located on the second floor of the north stairwell.

All workmanship, exclusive of defective materials, must be warrantied for a period of no less than two (2) years from the date of final payment by the Town of Derry to the contractor.

**SCOPE OF WORK:**

The scope of work is completely described in the drawings Sheet S-1, S-2, S-3, and S-4 (four pages) Job Number 2105.DER prepared by Trexler Engineering dated June 22, 2021.



**BID SCHEDULE**

PROPOSAL FOR: **DERRY PUBLIC LIBRARY ATTIC HVAC CATWALKS  
AND MEZZANINE ACCESS**

DATE & TIME: AUGUST 4, 2021 AT 4PM

The undersigned, as Bidder, hereby declares that before preparing this bid he/she carefully read the specifications and hereby agrees that if the proposal is accepted he/she will contract with the Town in accordance with the specifications, terms, and conditions as spelled out in this sealed bid invitation.

Supply and Install attic HVAC catwalks and mezzanine access as specified on Plans by Trexler Engineering dated 06/22/2021:

\$ \_\_\_\_\_ Price in Words: \_\_\_\_\_

**This form must be signed. All signatures must be original and not photocopies.**

\_\_\_\_\_  
Authorized signature & title of Bidder

\_\_\_\_\_  
Print or type name & title of Bidder

\_\_\_\_\_  
Company Name (Corporation/general partnership organized & existing under the laws of the State of \_\_\_\_)

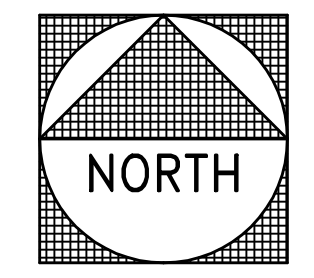
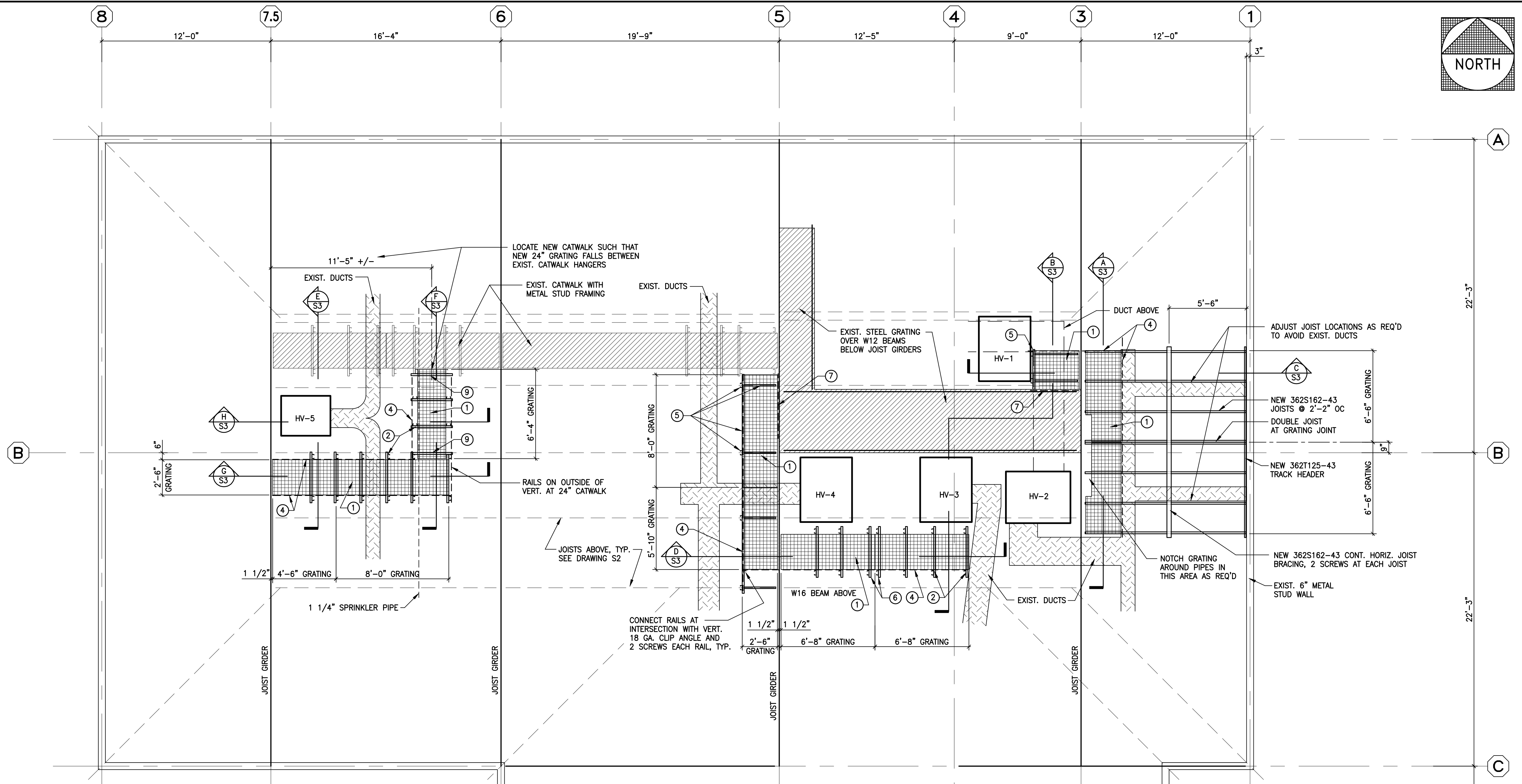
\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip

Date Quotation Made: \_\_\_\_\_ Email Address \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Minor exceptions to the above specifications must be duly noted on your letterhead as a separate sheet. Please check here if you have exceptions. \_\_\_\_

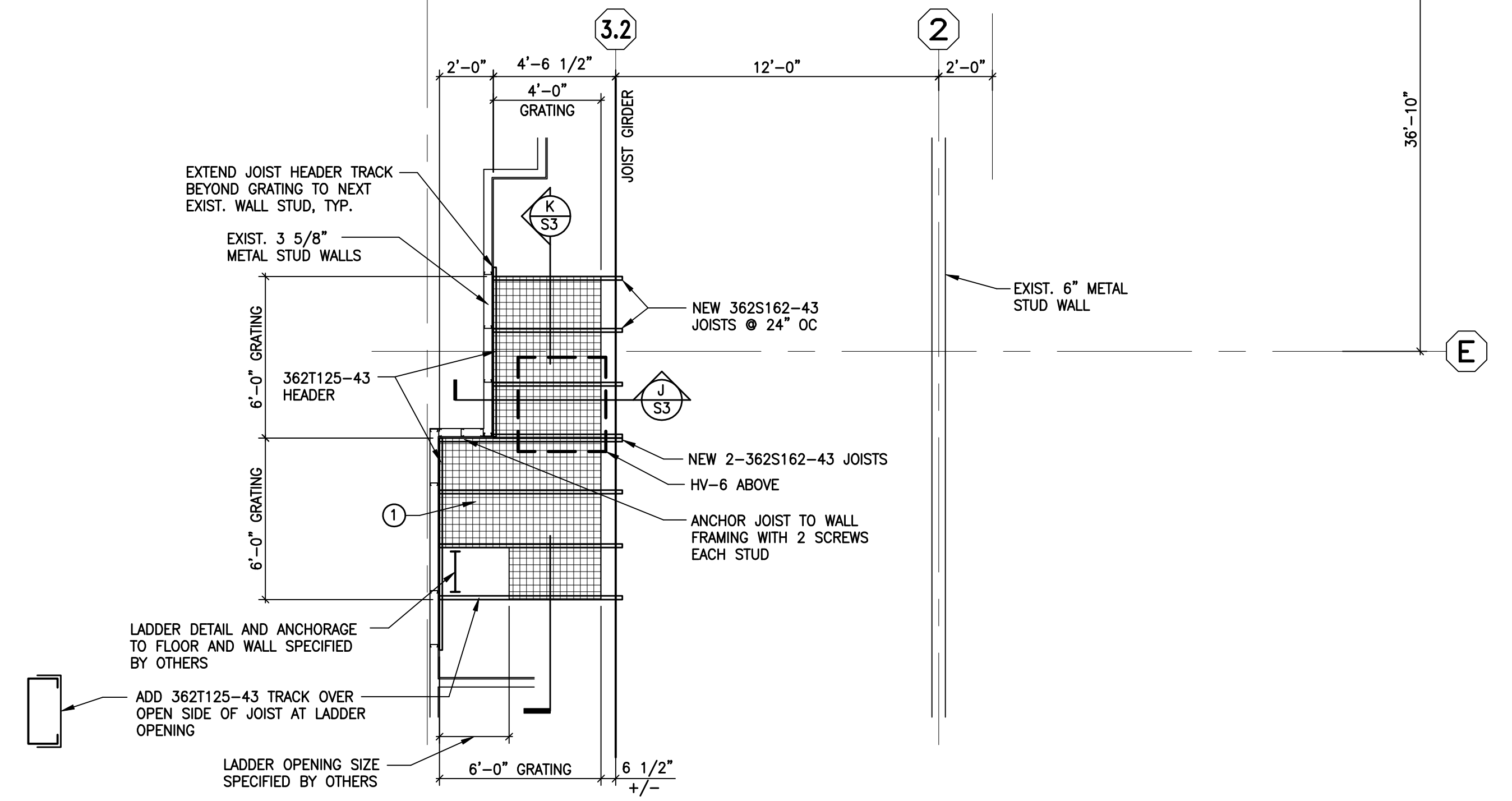


**A CATWALK FRAMING PLAN**

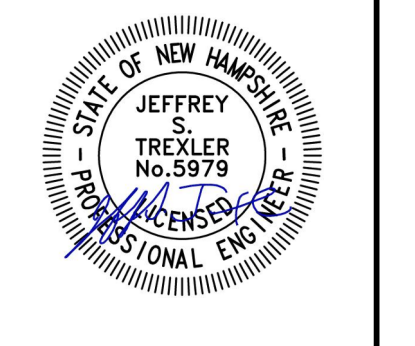
SCALE: 1/4" = 1'-0"

**KEY NOTES**

- ① NEW 1" MOLDED FIBERGLASS GRATING, BEAR ON TOP OF JOIST GIRDER BOTTOM CHORD ANGLES.
- ② NEW CATWALK HANGER FRAMES WITH 362S162-43 VERT. AND HORIZ. MEMBERS, SEE 4/S4.
- ③ NEW L 2x2x3/16 STEEL BEAM FOR HANGER FRAME SUPPORT, SEE 4/S4.
- ④ NEW (2) 362T125-33 CONTINUOUS BOX RAILS, SEE DETAIL 1/S3. RAILS CAN BE INTERRUPTED FOR ACCESS TO HV UNITS.
- ⑤ NEW 362S162-43 VERT. HANGERS WITH 362S162-43 HORIZ. BEAM, MIN. 2 SCREWS EACH LAP. PROVIDE 362T125-43 SWAY BRACE TO JOIST GIRDER AT EACH VERT., SEE 6/S4.
- ⑥ LOCATE HANGER FRAMES EACH SIDE OF GRATING PANEL JOINTS.
- ⑦ CUT AND REMOVE EXIST. PIPE / ANGLE RAIL AS REQ'D FOR ACCESS TO NEW CATWALK.
- ⑧ UNISTRUT P1000T BELOW JOISTS TO AVOID LOW PIPE.
- ⑨ NEW 362S162-43 JOIST, FASTEN TO VERT. HANGERS WITH 2 SCREWS EACH CONNECTION.



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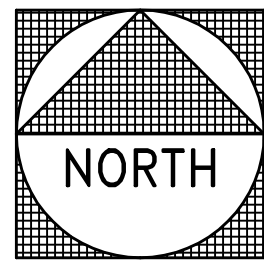
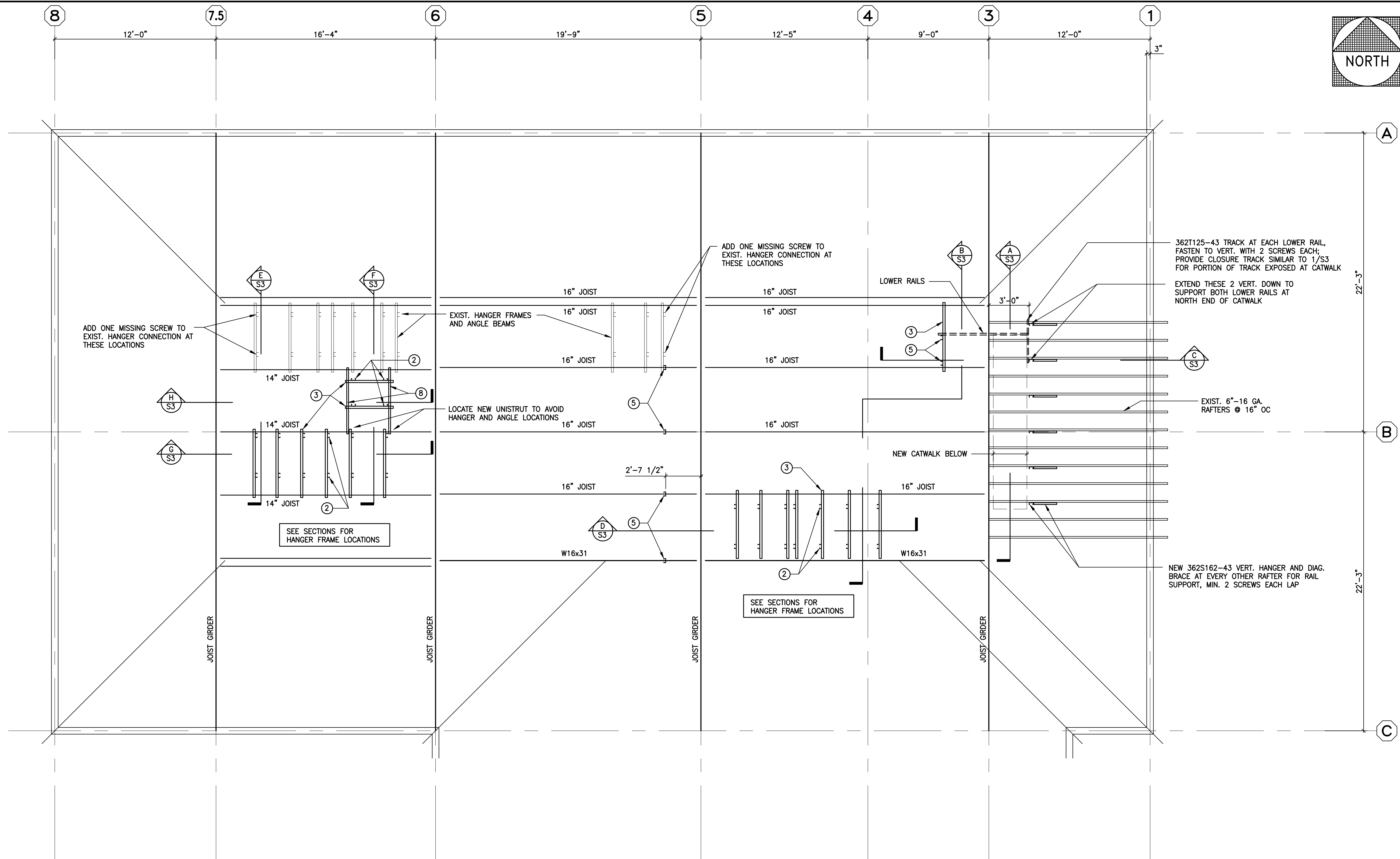
**Trexler Engineering**  
 CONSULTING STRUCTURAL ENGINEER  
 38 BARNARD HILL ROAD  
 DUNBARTON, NH 03046  
 603-774-6860 FAX 774-8038  
 EMAIL: jeff@trexlerengineering.com  
 © TREXLER ENGINEERING, 2021

**DERRY PUBLIC LIBRARY**  
 64 E. BROADWAY  
 DERRY, NH  
 ATTIC HVAC CATWALKS

SHEET TITLE:  
**ATTIC LEVEL FRAMING PLAN**

DATE: 06/22/2021  
 SCALE: 1/4" = 1'-0"  
 DRAWN BY: JST  
 CHECKED BY: JST  
 JOB NUMBER: 2105.DER  
 SHEET NO.:

**S1**  
 DERRY PUBLIC LIBRARY



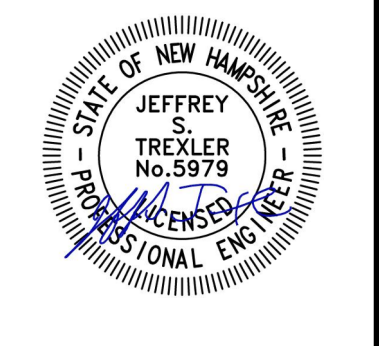
**A ROOF FRAMING PLAN**

SCALE: 1/4"=1'-0"

**KEY NOTES**

- ① NEW 1" MOLDED FIBERGLASS GRATING, BEAR ON TOP OF JOIST GIRDER BOTTOM CHORD ANGLES.
- ② NEW CATWALK HANGER FRAMES WITH 362S162-43 VERT. AND HORIZ. MEMBERS, SEE 4/S4.
- ③ NEW L 2x2x3/16 STEEL BEAM FOR HANGER FRAME SUPPORT, SEE 4/S4.
- ④ NEW (2) 362T125-33 CONTINUOUS BOX RAILS, SEE DETAIL 1/S3. RAILS CAN BE INTERRUPTED FOR ACCESS TO HV UNITS.
- ⑤ NEW 362S162-43 VERT. HANGERS WITH 362S162-43 HORIZ. BEAM, MIN. 2 SCREWS EACH LAP. PROVIDE 362T125-43 SWAY BRACE TO JOIST GIRDER AT EACH VERT., SEE 6/S4.
- ⑥ LOCATE HANGER FRAMES EACH SIDE OF GRATING PANEL JOINTS.
- ⑦ CUT AND REMOVE EXIST. PIPE / ANGLE RAIL AS REQ'D FOR ACCESS TO NEW CATWALK.
- ⑧ UNISTRUT P1000T BELOW JOISTS TO AVOID LOW PIPE.
- ⑨ NEW 362S162-43 JOIST, FASTEN TO VERT. HANGERS WITH 2 SCREWS EACH CONNECTION.

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**Trexler Engineering**  
 CONSULTING STRUCTURAL ENGINEER  
 38 BARNARD HILL ROAD  
 DUNBARTON, NH 03046  
 603-774-6860 FAX 774-8038  
 EMAIL: jeff@trexlerengineering.com  
 © TREXLER ENGINEERING, 2021

**DERRY PUBLIC LIBRARY**  
 64 E. BROADWAY  
 DERRY, NH  
 ATTIC HVAC CATWALKS

SHEET TITLE:

**ROOF LEVEL FRAMING PLAN**

DATE: 06/22/2021

SCALE: 1/4" = 1'-0"

DRAWN BY: JST

CHECKED BY: JST

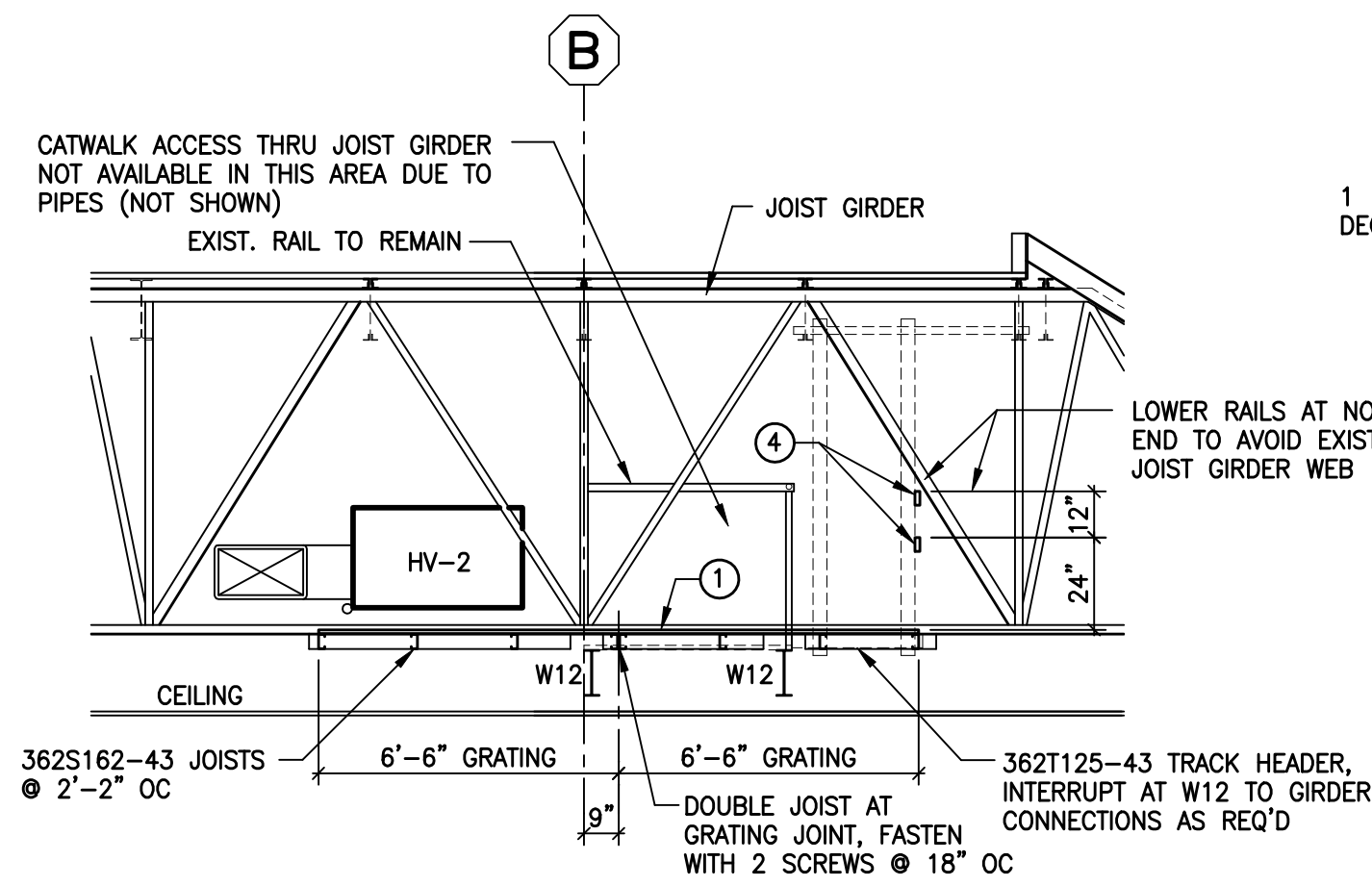
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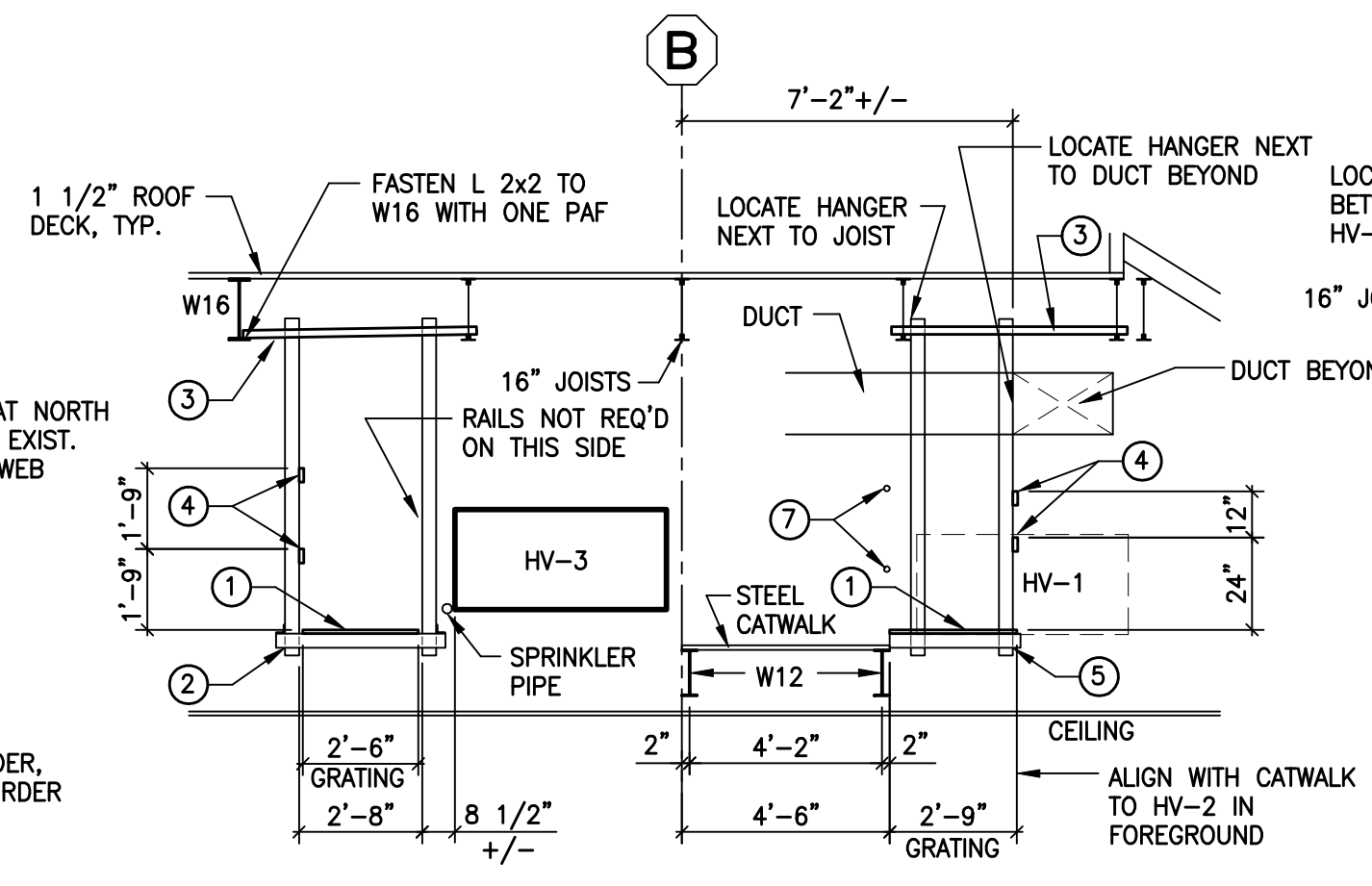
**S2**

DERRY PUBLIC LIBRARY

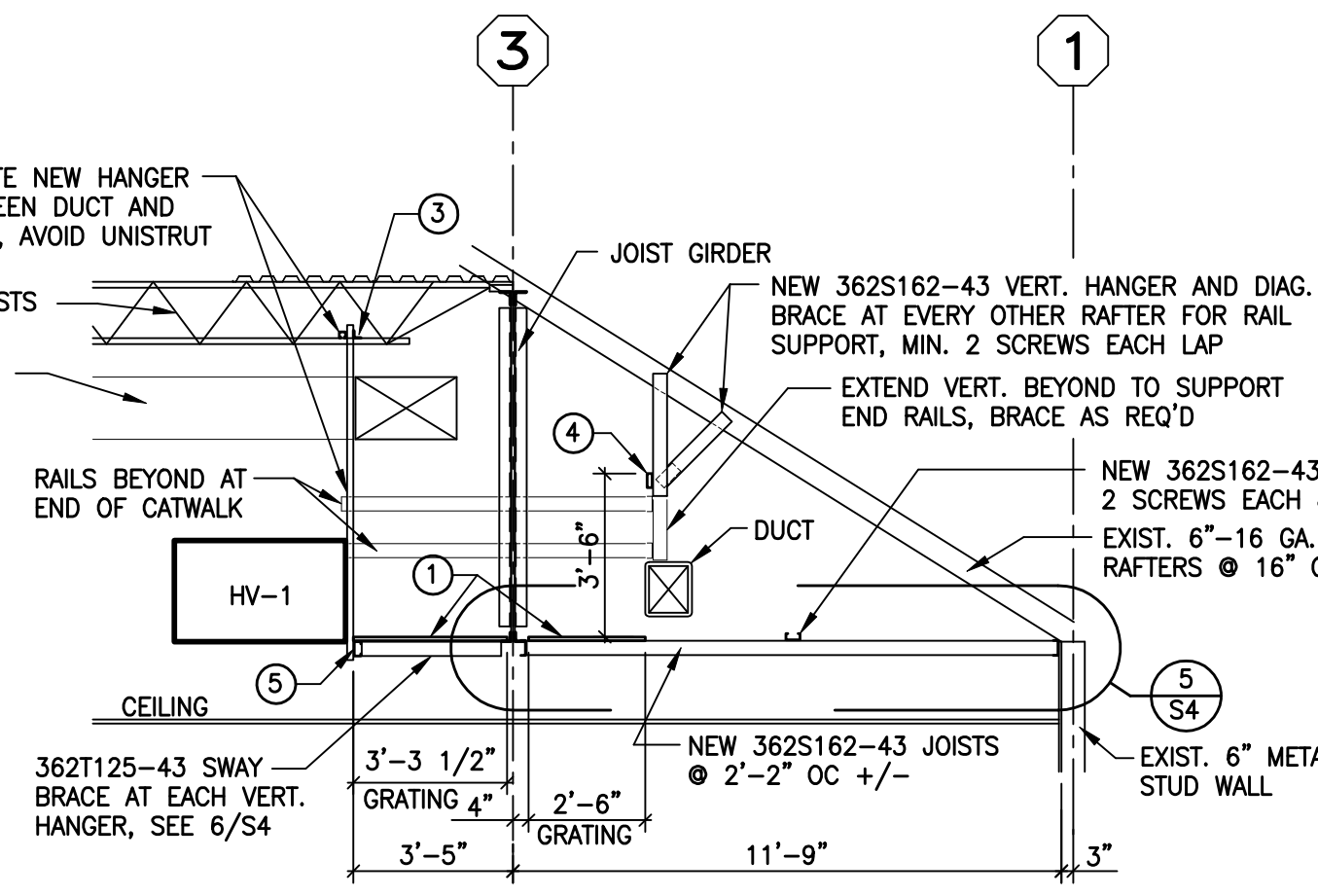




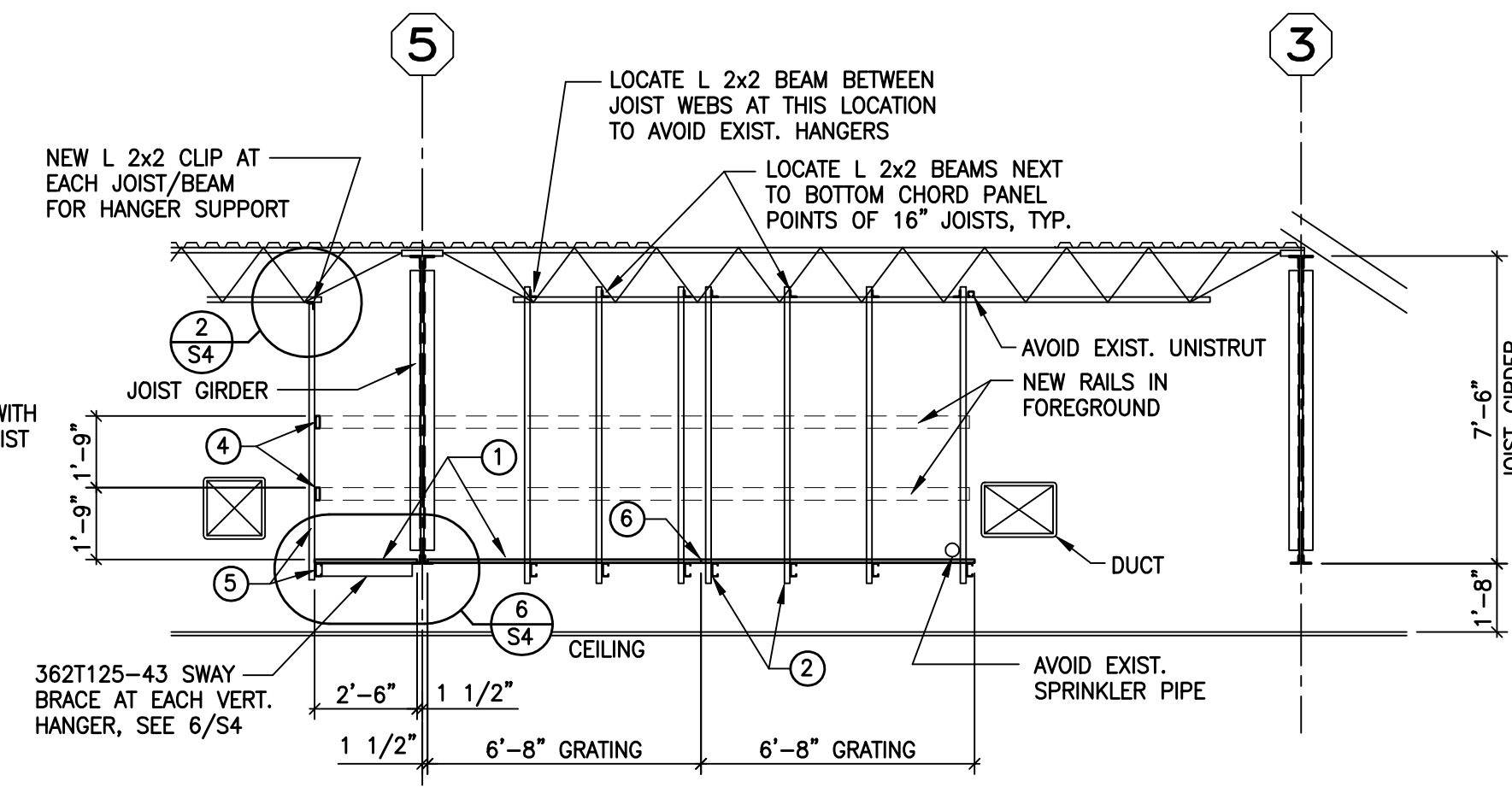
**A HV-2 CATWALK**  
SCALE: 1/4"=1'-0"



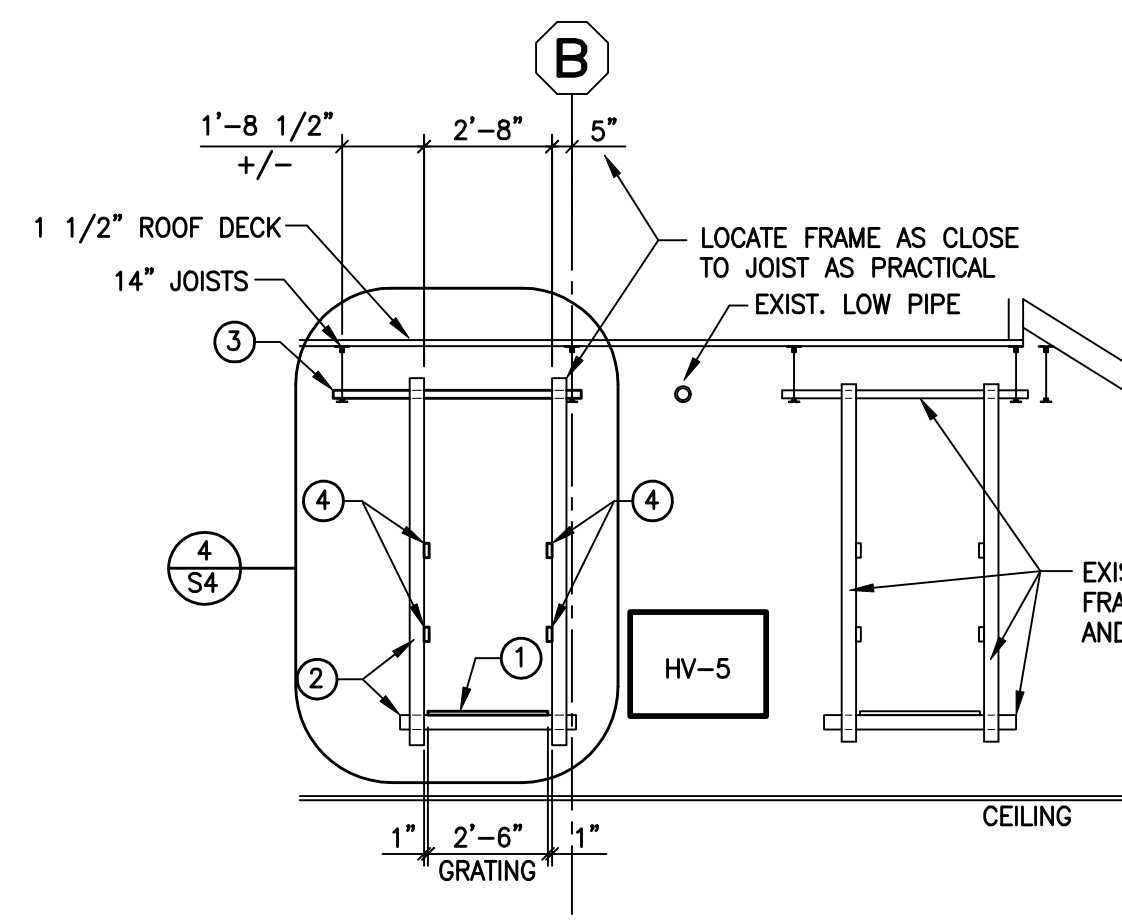
**B HV-1/HV-3 CATWALKS**  
SCALE: 1/4"=1'-0"



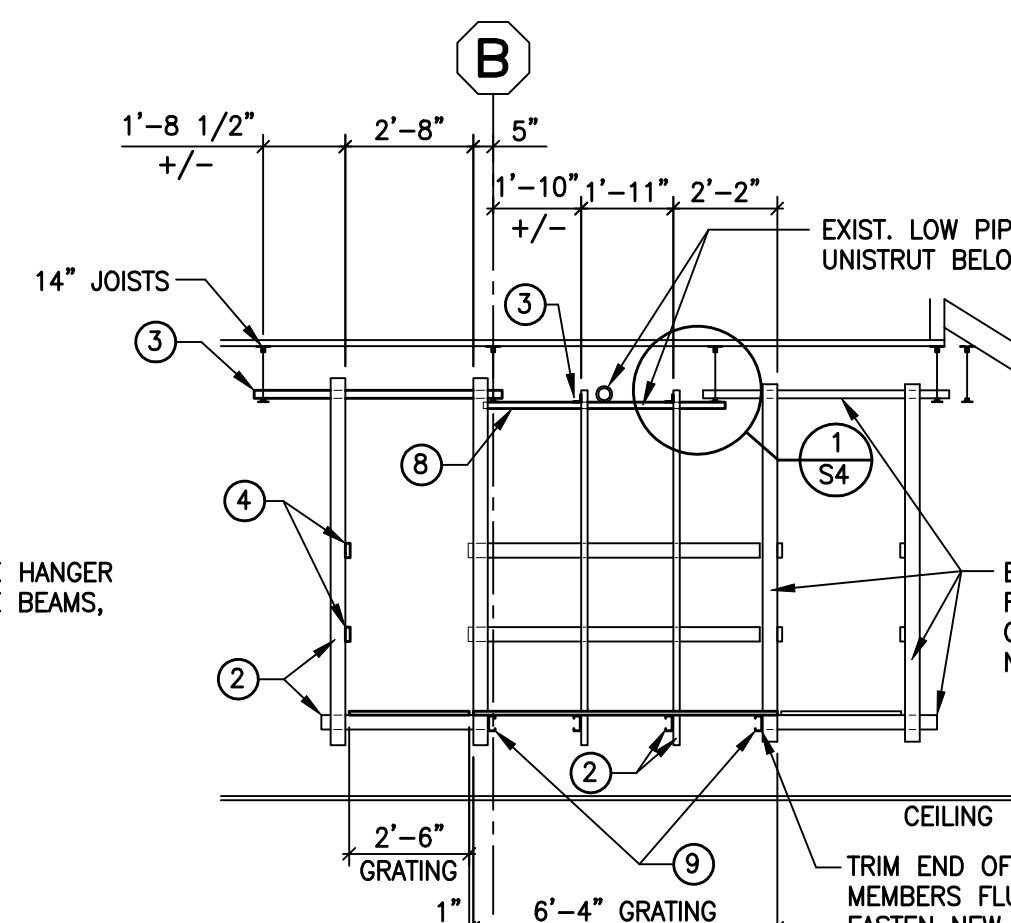
**C HV-1/HV-2 CATWALKS**  
SCALE: 1/4"=1'-0"



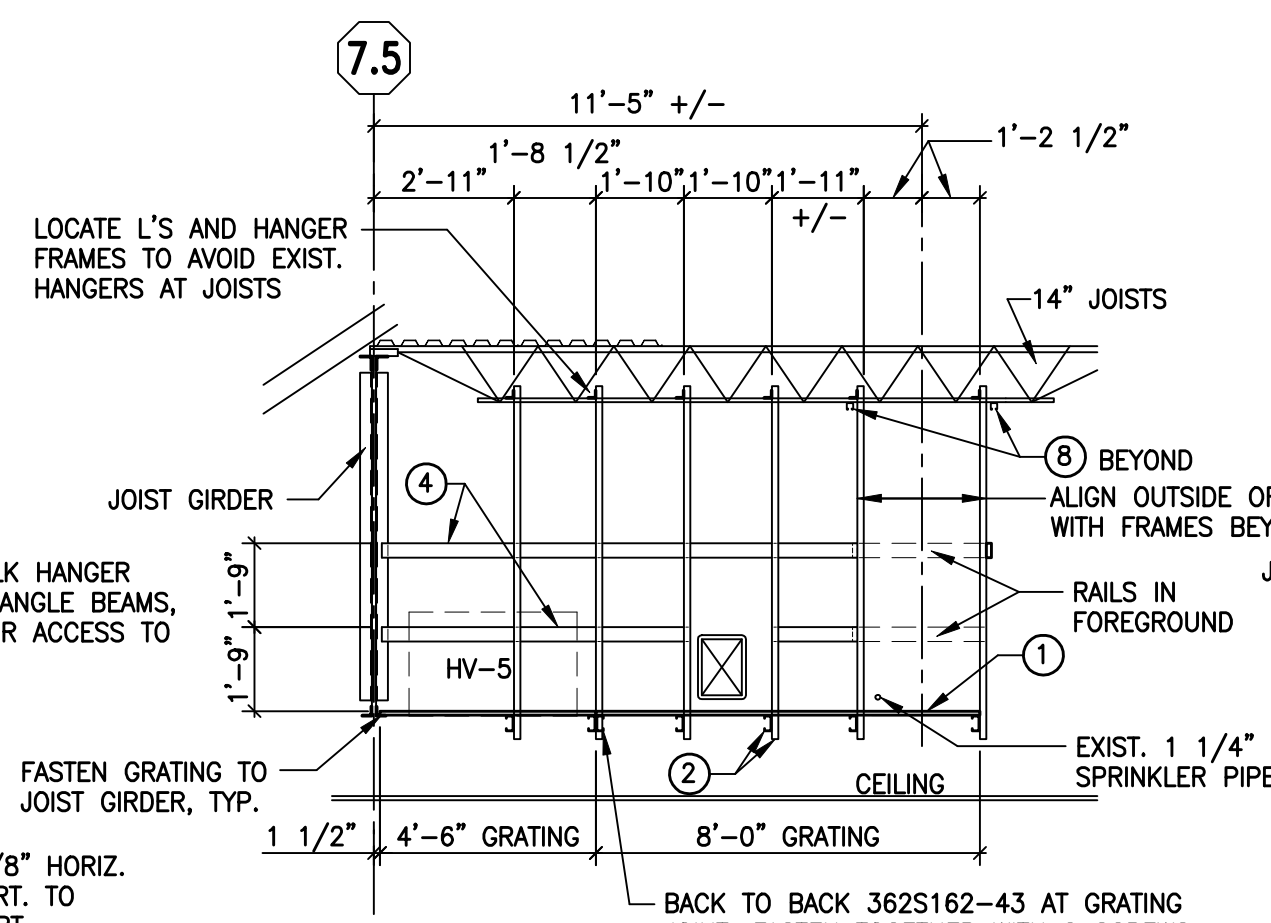
**D HV-3/HV-4 CATWALK**  
SCALE: 1/4"=1'-0"



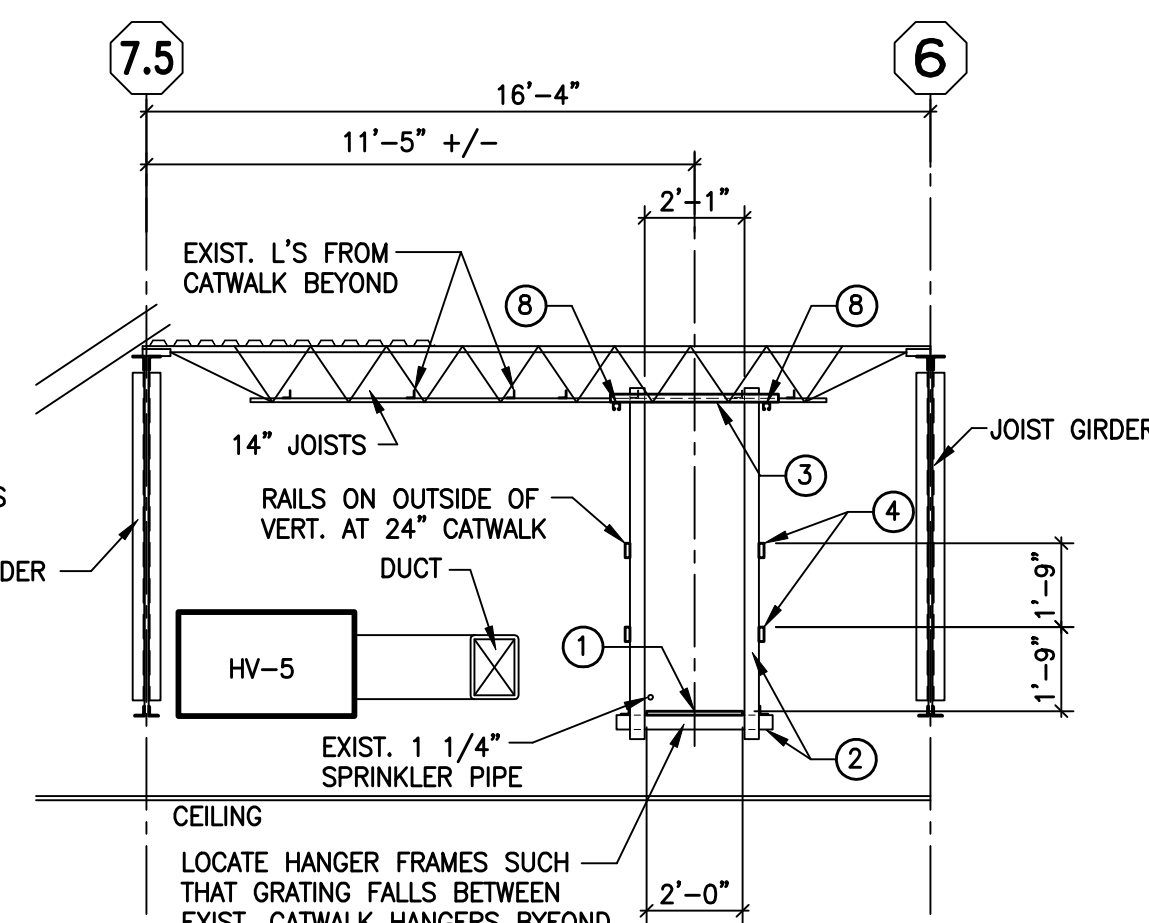
**E HV-5 CATWALK**  
SCALE: 1/4"=1'-0"



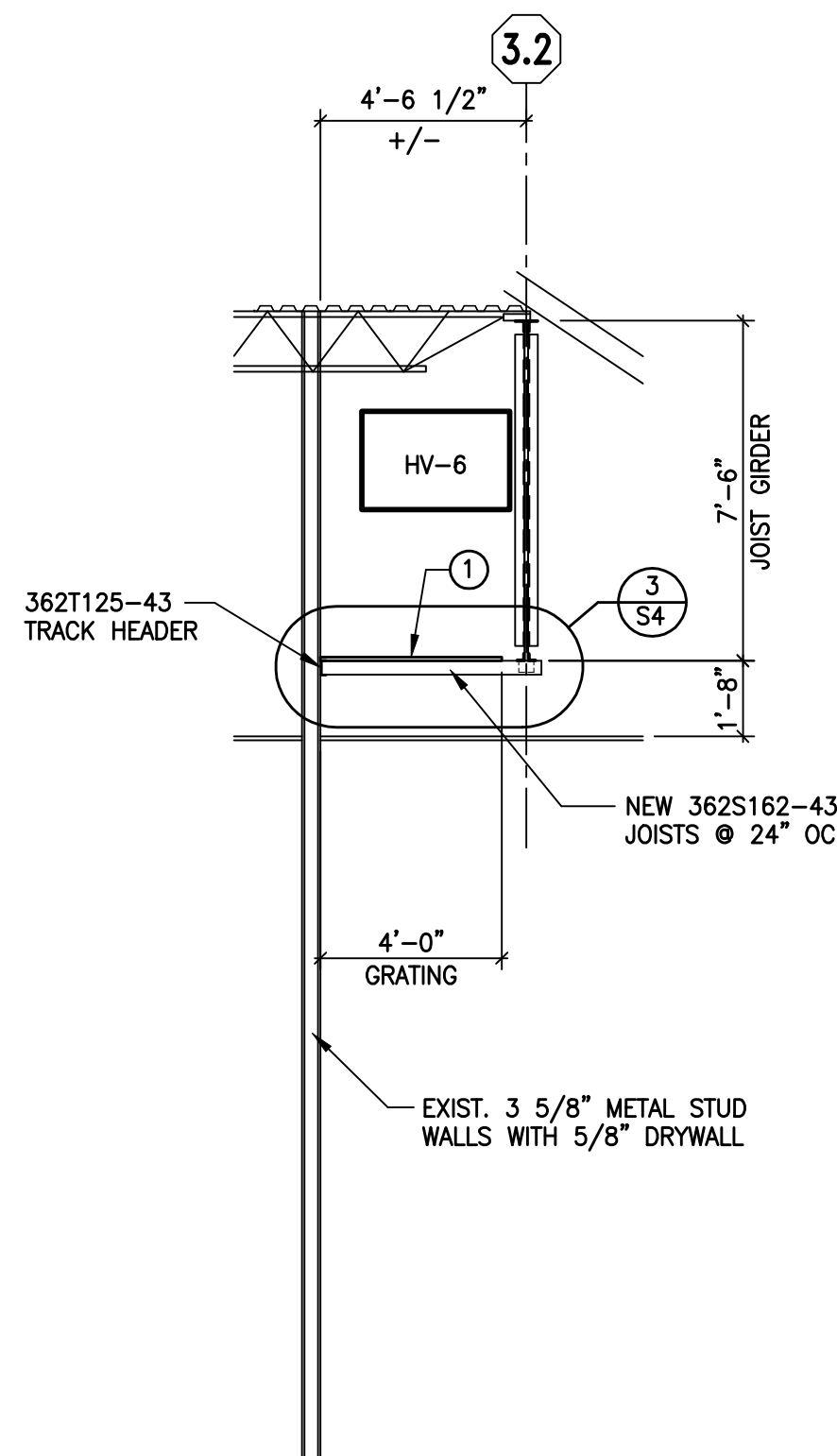
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SCALE: 1/4"=1'-0"



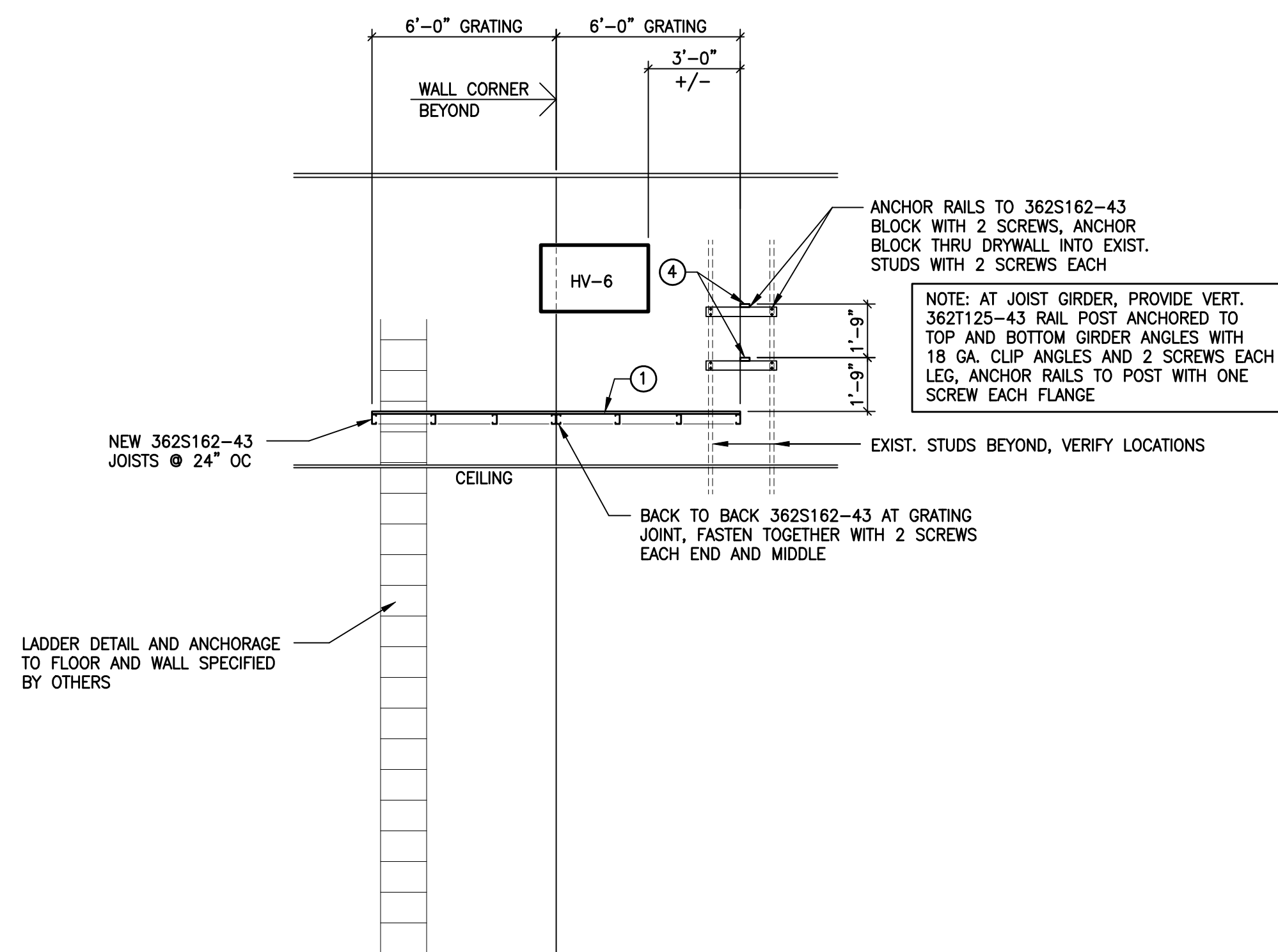
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SCALE: 1/4"=1'-0"



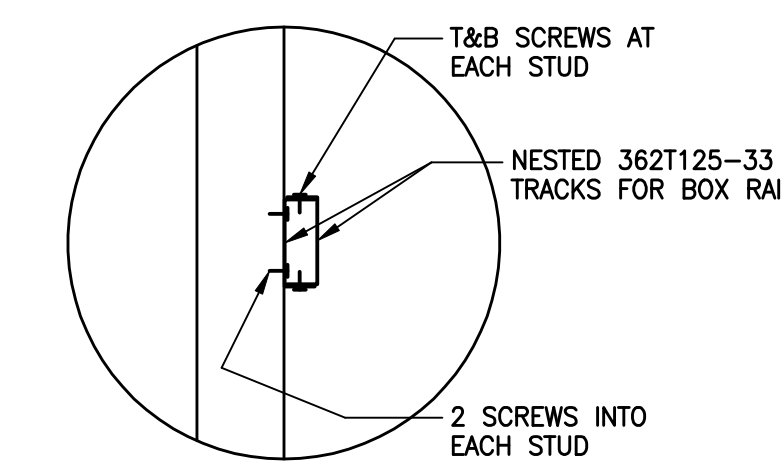
**H HV-5 24\"/>**



**J HV-6 PLATFORM**  
SCALE: 1/4"=1'-0"



**K HV-6 PLATFORM**  
SCALE: 1/4"=1'-0"



**1 RAIL DETAIL**  
SCALE: 1 1/2"=1'-0"

**KEY NOTES**

- 1 NEW 1" MOLDED FIBERGLASS GRATING, BEAR ON TOP OF JOIST GIRDER BOTTOM CHORD ANGLES.
- 2 NEW CATWALK HANGER FRAMES WITH 362S162-43 VERT. AND HORIZ. MEMBERS, SEE 4/S4.
- 3 NEW L 2x2x3/16 STEEL BEAM FOR HANGER FRAME SUPPORT, SEE 4/S4.
- 4 NEW (2) 362T125-33 CONTINUOUS BOX RAILS, SEE DETAIL 1/S3. RAILS CAN BE INTERRUPTED FOR ACCESS TO HV UNITS.
- 5 NEW 362S162-43 VERT. HANGERS WITH 362S162-43 HORIZ. BEAM, MIN. 2 SCREWS EACH LAP. PROVIDE 362T125-43 SWAY BRACE TO JOIST GIRDER AT EACH VERT., SEE 6/S4.
- 6 LOCATE HANGER FRAMES EACH SIDE OF GRATING PANEL JOINTS.
- 7 CUT AND REMOVE EXIST. PIPE / ANGLE RAIL AS REQ'D FOR ACCESS TO NEW CATWALK.
- 8 UNISTRUT P1000T BELOW JOISTS TO AVOID LOW PIPE.
- 9 NEW 362S162-43 JOIST, FASTEN TO VERT. HANGERS WITH 2 SCREWS EACH CONNECTION.

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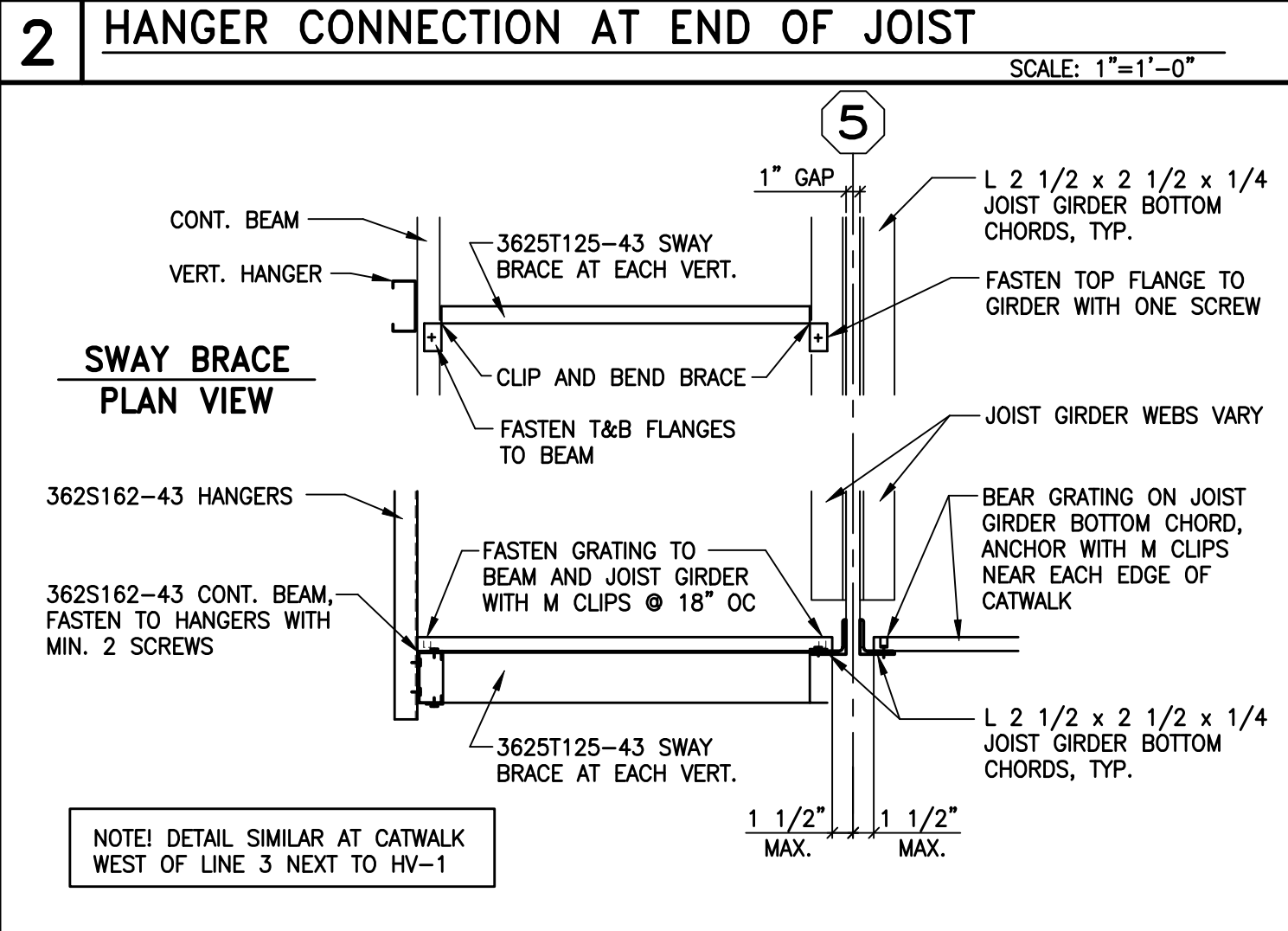
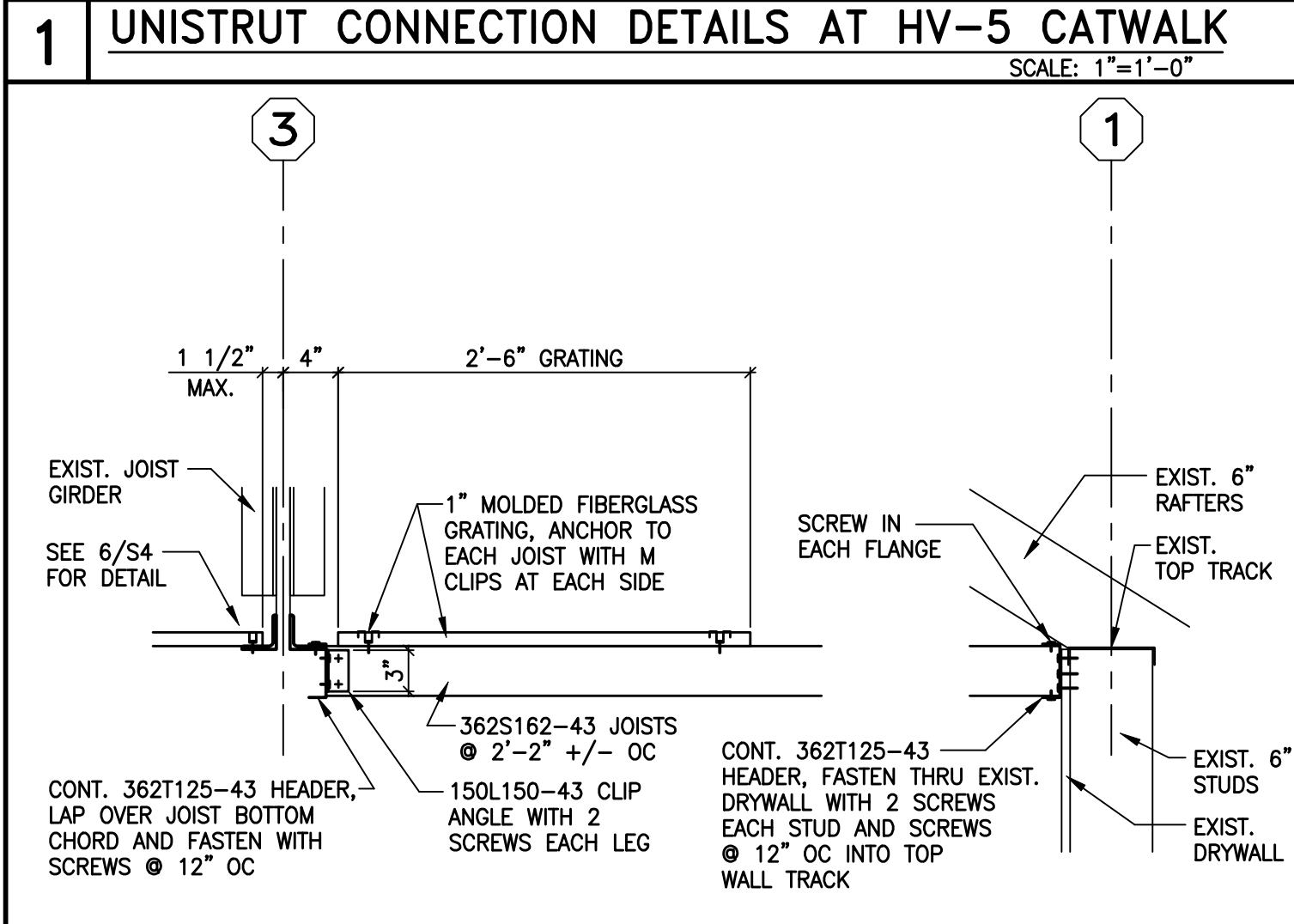
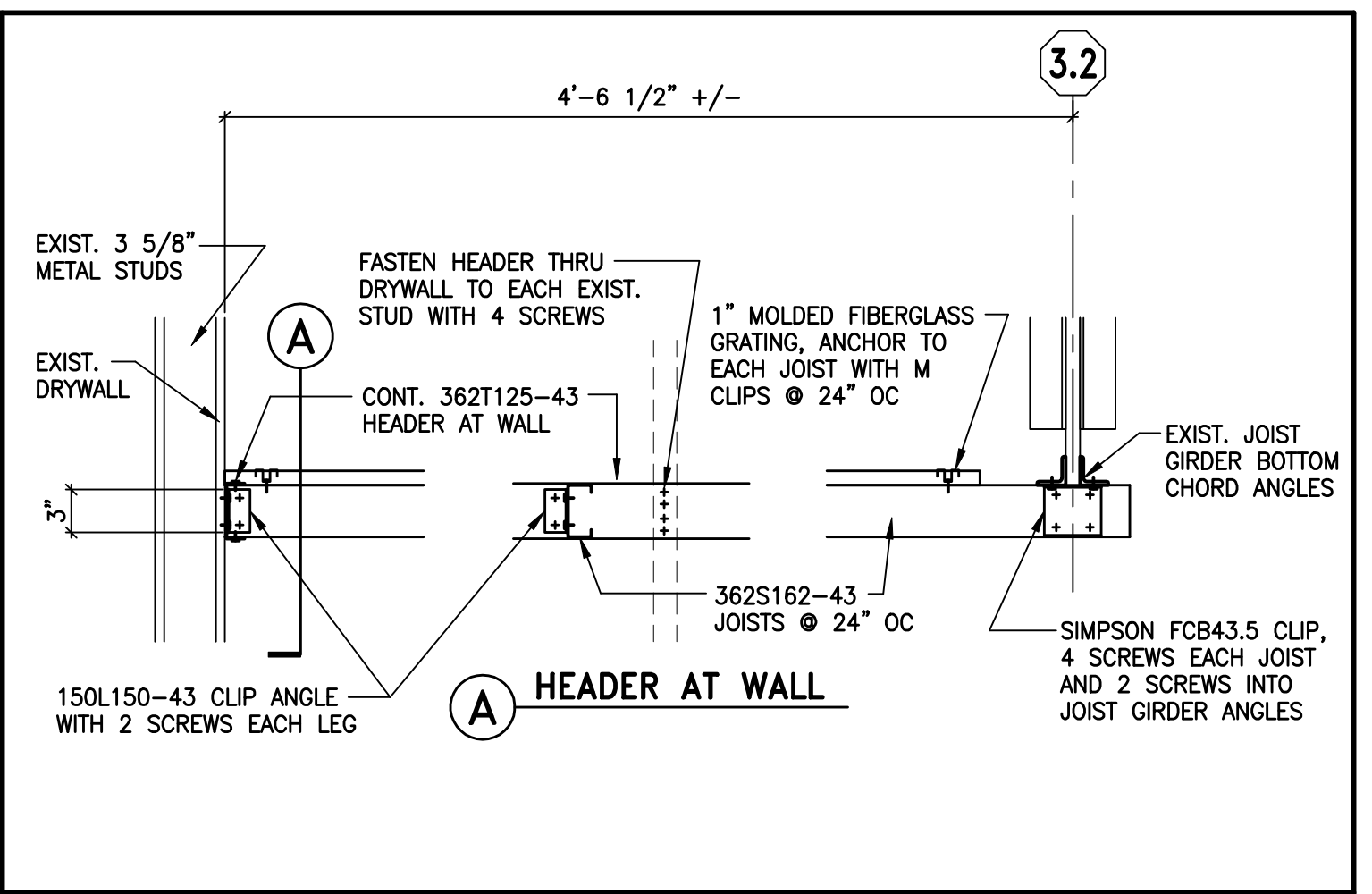
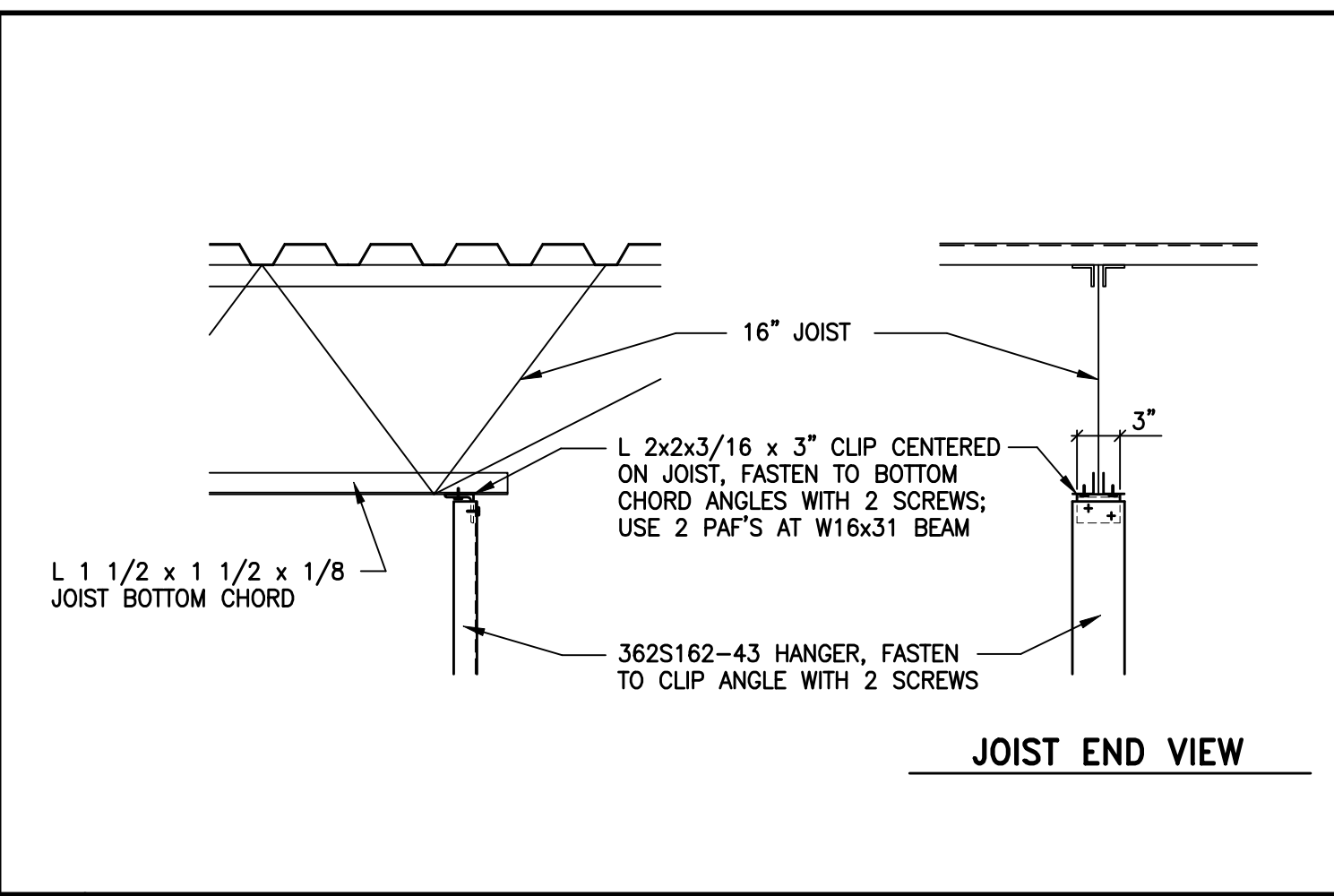
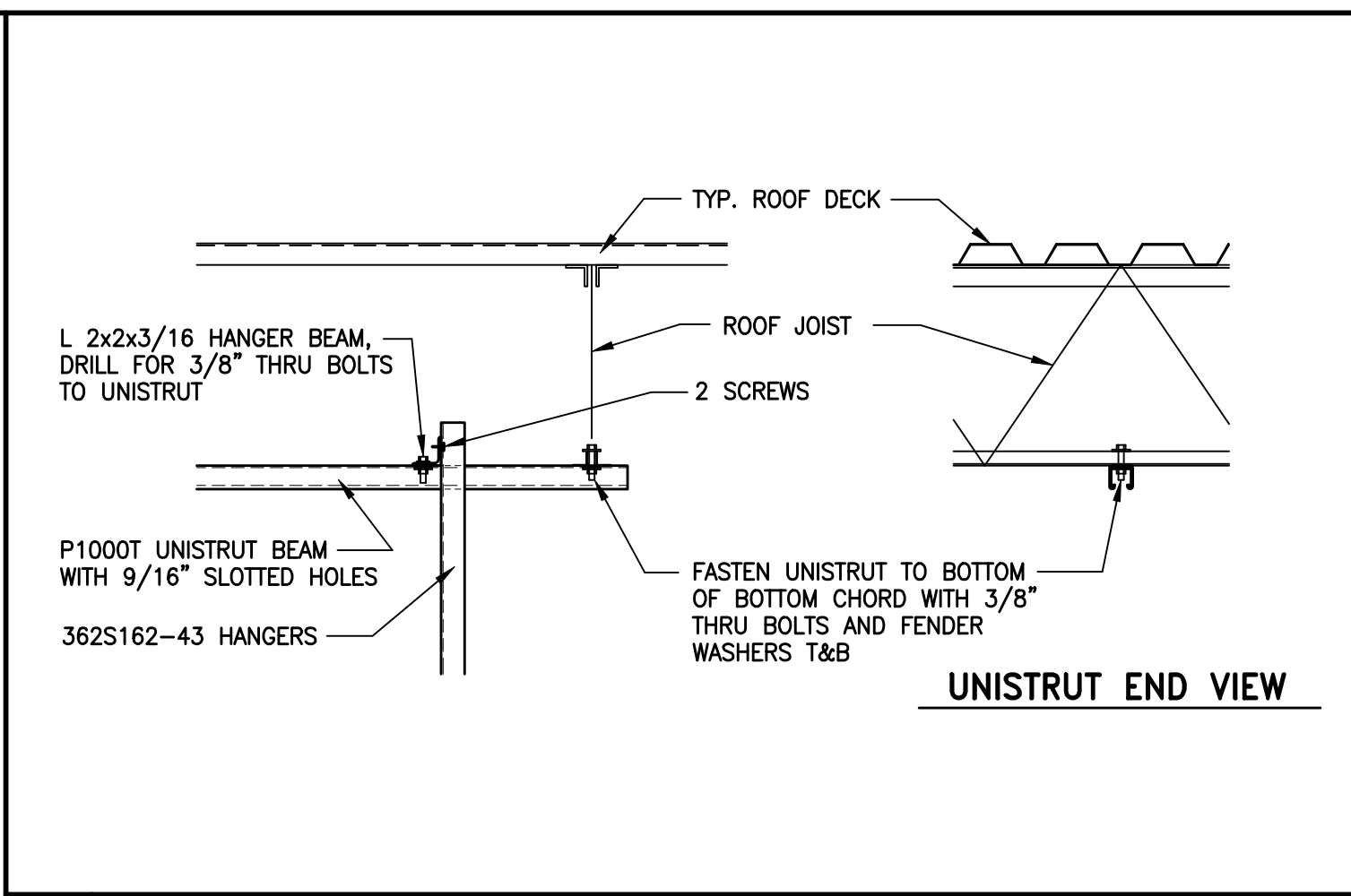
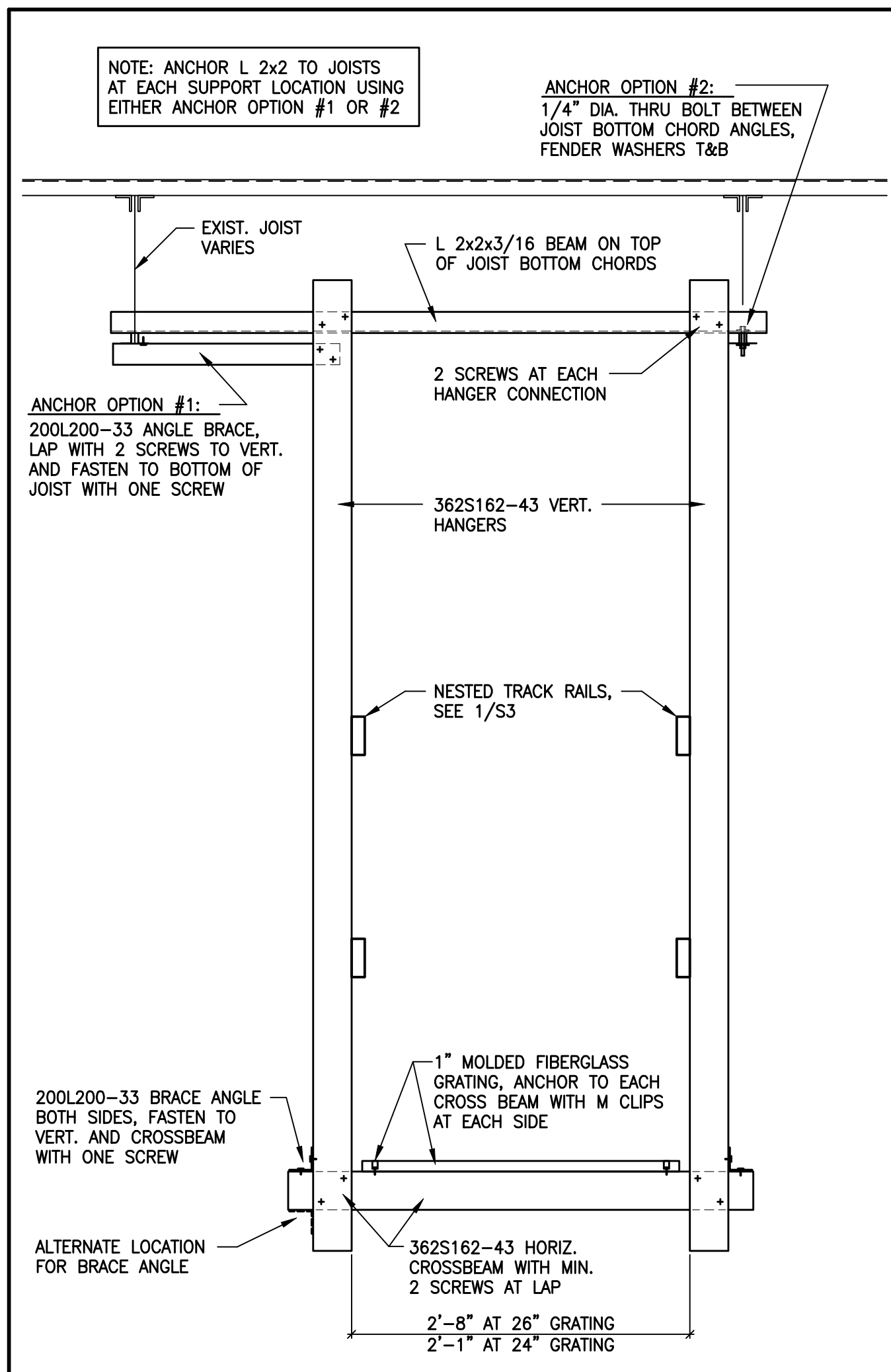
**Trexler Engineering**  
CONSULTING STRUCTURAL ENGINEER  
38 BARNARD HILL ROAD  
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EMAIL: jef@trexlerengineering.com  
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ATTIC HVAC CATWALKS

SHEET TITLE:  
**SECTIONS AND DETAILS**  
DATE: 06/22/2021  
SCALE: AS SHOWN  
DRAWN BY: JST  
CHECKED BY: JST  
JOB NUMBER: 2105.DER  
SHEET NO.:

**S3**  
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4 TYPICAL CATWALK HANGER FRAME SCALE: 1"=1'-0"

5 FRAMING DETAILS AT CATWALK TO HV-2 SCALE: 1"=1'-0"

6 FRAMING DETAILS AT LINE 5 CATWALK SCALE: 1"=1'-0"

**GENERAL NOTES**

- VERIFY EXISTING CONDITIONS IN THE FIELD. NOTIFY TREXLER ENGINEERING (ENGINEER) IMMEDIATELY IF EXISTING CONDITIONS ARE NOT SUBSTANTIALLY AS SHOWN OR IF STRUCTURAL DRAWINGS ARE UNCLEAR OR FOUND TO BE INACCURATE IN ANY WAY. DO NOT PROCEED WITH THE AFFECTED WORK UNTIL RECEIVING DIRECTION FROM THE ENGINEER.
- DIMENSIONS TO AND BETWEEN EXISTING CONSTRUCTION ARE +/- AND MUST BE VERIFIED IN THE FIELD PRIOR TO FABRICATION OR CONSTRUCTION.
- ALL ITEMS SHOWN ON THESE DRAWINGS ARE EXISTING UNLESS NOTED AS NEW.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AND FOR SAFETY ON THE JOBSITE. PROVIDE ALL TEMPORARY SHORING AND BRACING NECESSARY TO SAFELY MAINTAIN STRUCTURAL INTEGRITY OF NEW AND EXISTING CONSTRUCTION AT ALL TIMES AND UNTIL ALL STRUCTURAL COMPONENTS ARE COMPLETELY INSTALLED.
- ALL CONSTRUCTION SHALL COMPLY WITH THE LATEST OR APPLICABLE EDITION OF THE CODES, STANDARDS AND REFERENCES SPECIFIED HEREIN. COMPLY WITH THE APPLICABLE PROVISIONS OF ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING THE 2015 INTERNATIONAL BUILDING CODE (IBC).
- NEW CATWALK DESIGNED FOR A UNIFORM LIVE LOAD OF 40 PSF PER 2015 IBC AND A CONCENTRATED LOAD OF 300 LBS. ON AN AREA 2.5 FT. x 2.5 FT.
- STRUCTURAL STEEL ANGLES SHALL BE ASTM A36. PRIME PAINTING NOT REQUIRED.
- COLD-FORMED STEEL FRAMING (CFSF) SHALL COMPLY WITH AISI S100-12 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", AISI S200-12 "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS",
- CFSF COMPONENTS OF 33 AND 43 MIL THICKNESS SHALL COMPLY WITH ASTM A1003 STRUCTURAL GRADE, MINIMUM YIELD OF 33 KSI. COMPONENTS OF 54, 68, AND 97 MIL THICKNESS SHALL COMPLY WITH ASTM A1003 STRUCTURAL GRADE, MINIMUM YIELD OF 50 KSI. ALL COMPONENTS SHALL BE MANUFACTURED FROM GALVANIZED SHEET STEEL, MINIMUM G60 COATING.

- ALL SCREW FASTENERS SHALL COMPLY WITH ASTM C 1513, SHALL BE CORROSION RESISTANT COATED, SELF-DRILLING AND SELF-TAPPING, AND LENGTH SUCH THAT PENETRATION THROUGH CONNECTED MATERIALS WILL PRODUCE NOT LESS THAN THREE EXPOSED THREADS. MINIMUM SCREW SIZE FOR CFSF TO CFSF CONNECTIONS SHALL BE #10-16. MINIMUM SCREW SIZE FOR CFSF TO STRUCTURAL STEEL OR STRUCTURAL STEEL TO STRUCTURAL STEEL SHALL BE #12-14. PAF'S MAY BE USED INSTEAD OF SCREWS WHEREVER STRUCTURAL STEEL THICKNESS IS 1/4" OR MORE, SEE GENERAL NOTE #11.
- POWER ACTUATED FASTENERS (PAF'S) FOR CONNECTING COMPONENTS TO STRUCTURAL STEEL SHALL BE MINIMUM .177" DIAMETER WITH HEAD AND SHANK AS RECOMMENDED BY THE MANUFACTURER FOR THE PARTICULAR APPLICATION. COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- HANDLING, CUTTING, AND INSTALLATION OF CFSF COMPONENTS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, PRODUCT LITERATURE AND SUGGESTED SPECIFICATIONS. PROVIDE TRACKS, BRIDGING AND BRACING, FRAMING ANGLES, WEB STIFFENERS, CONNECTIONS, ETC., AS INDICATED.
- CATWALK DESIGN ANTICIPATES THAT THE CONTRACTOR MAY WISH TO AVOID STAGING FROM THE FLOOR BELOW DURING INSTALLATION TO THE GREATEST EXTENT FEASIBLE. HANGER FRAMES CAN BE PRE-ASSEMBLED ON THE EXIST. ATTIC PLATFORM ABOVE THE STAIR, AND CAN BE INSTALLED ONE AT A TIME STARTING FROM THE EXISTING CATWALK. PLYWOOD DECKING OR PLANKS MAY BE USED AS A TEMPORARY CATWALK SURFACE UNTIL EACH FRAME IS PLACED, PLUMBED AND STRAIGHTENED, ANCHORED TO THE STEEL JOIST ABOVE, AND BRACED TO EACH OTHER WITH L2x2 HORIZONTAL BRACES AT THE HANGER / JOIST CONNECTIONS. WELDING OF STRUCTURAL STEEL ANGLES TO EXISTING K JOISTS IS NOT REQUIRED. CFSF JOISTS FOR HV-6 PLATFORM AND FOR CATWALK TO HV-2 WILL REQUIRE INSTALLATION FROM THE FLOOR BELOW.
- MOLDED FIBERGLASS GRATING SHALL BE 1" HIGH TYPE MS-100, YELLOW, BY McNICHOLS, OR ENGINEER APPROVED EQUAL. PROVIDE IN MINIMUM WIDTH AND LENGTH AS NOTED AND TRIMMED IN THE FIELD TO FIT. TRIM AROUND ANY PIPE PENETRATIONS. ANCHOR GRATING TO CFSF AND TO EXISTING JOIST GIRDER STEEL ANGLES WITH M CLIPS AND SCREWS AS NOTED OR DETAILED.
- DESIGN INTENT IS TO AVOID RELOCATING MECHANICAL, ELECTRICAL, OR PLUMBING COMPONENTS AND HANGERS WHERE POSSIBLE. SLIGHT ADJUSTMENT IN THE LOCATION OF HANGER FRAMES IS PERMITTED TO AVOID INTERFERENCE WITH EXISTING CONSTRUCTION. CEILING HANGER WIRES INTERRUPTED BY NEW CATWALKS CAN BE CUT AND REATTACHED TO NEW CATWALK FRAMING.

| REV. NO. | REVISIONS | DATE |
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