

WORK SESSION MEETING
April 22, 2025
6:00 PM
City Hall



CITY OF MILLS
EST. 1921

Mayor:
Leah Juarez
Council President:
Brad Neumiller
Council Members:
Cherie Butcher
Sara McCarthy
Tim Sutherland

AGENDA

CALL TO ORDER

AGENDA ITEMS

- [1.](#) Mayor -Cell Site Lease - Vertical Consultants - Engagement and Authorization Letters
- [2.](#) City Planner - Cross Country Freight Development Plan

ADJOURNMENT

AGENDA SUBJECT TO CHANGE WITHOUT NOTICE

In accordance with the Americans with Disabilities Act, persons who need accommodation in order to attend or participate in this meeting should contact City Hall at 307-234-6679 within 48 hours prior to the meeting in order to request such assistance.



April 10, 2025

City of Mills
Attn: Mayor Leah Juarez
P.O. Box 789
Mills, WY 82644

Via E-Mail Delivery

Re: Vertical Consultants Engagement Letter - 215 Northwestern Avenue, Mills, Wyoming

Dear Mayor Juarez:

Thank you for taking the time to discuss your possible engagement of Vertical Consultants, LLC ("Vertical Consultants"). The following is a summary of services that Vertical Consultants can provide the City of Mills, Wyoming (hereinafter referred to as the "Client") as it pertains to the review, reconciliation and potential income optimization of its current telecommunications water tower lease (hereinafter being referred to as the "Lease") encumbering that real property having the street address of 215 Northwestern Avenue, Mills, Wyoming (hereinafter being referred to as the "Site"):

Lease and Site Review: Vertical Consultants will review both the Lease and the Site to identify issues that may need to be addressed in the current Lease, and to also to determine the true value of the use of the Site. Vertical Consultants shall also meet with the Client via phone conference to determine issues specific to the Client's property that will need to be addressed in an applicable amendment or similar agreement entered into by the Client related to its Lease.

Lease Valuation and Optimization: Vertical Consultants shall provide the Client counsel and recommendations as to the optimal structure of its current lease agreement as it relates to the tenant's current and future use of the Site. Valuation of the Lease will be based upon our research related to similar cell site locations, the type of equipment located on the Site and overall value of the Site to the tenant now and going forward throughout the term of the Lease or similar agreement.

Lease Reconciliation and Optimization: Vertical Consultants shall, **only upon the Client's prior approval**, engage the current tenant to (i) commence any appropriate reconciliation of the terms of the Lease, including, as applicable, any collection of any past due tenant obligations (i.e. past due rent, taxes or other monetary concerns); and/or (ii) explore alternatives that would result in an immediate increase in the tenant's rental payment obligations; and/or otherwise increase Client's revenue being generated under the Lease and/or on the Site. Client understands, acknowledges and agrees that Vertical Consultants can make no representation, warranty or guaranty that Vertical Consultants efforts on your behalf will garner certain results for you.

Lease Recommendations and Structuring: Vertical Consultants shall, **only upon Client's prior approval**, engage the tenant to discuss an amendment, replacement lease or similar agreement as it relates to a modification/restructuring the terms of the Lease. Vertical Consultants' services shall continue throughout the entire restructuring process procedure.

Client understands, acknowledges and agrees that Vertical Consultants can make no representation, warranty or guaranty that Vertical Consultants efforts on your behalf will garner certain results for you.

Client understands and agrees that Vertical Consultants will provide recommendations to Client, but Client acknowledges and agrees that Client is solely responsible for signing any definitive agreements (e.g., Lease, modifications or amendments to the Lease), notices and communications to the party(ies) to the Lease within a timely manner (including, without limitation, within any notice periods set forth in the Lease).

If you decide to engage Vertical Consultants to assist you in maximizing the value of your Lease, Vertical Consultants will provide such services based upon the following fee structure:

Vertical Consultants Hourly Fee: Vertical Consultants will provide the above-described services based upon an hourly rate of \$425.00 per hour for such services that will be charged to the Client ("Hourly Fee").

Payment Of Hourly Fee: Hourly Fees outlined in this agreement shall be paid by the Client with fees to be remitted within fifteen (15) days of Client's receipt of invoice for services. Any payment received from Client after such period shall be subject to a ten percent (10%) late fee. Vertical Consultants shall have the right to electronically invoice the Client.

If Client fails to pay fees as set forth in this agreement Client shall be liable for all reasonable attorneys' fees as well as costs and expenses incurred in collection of past due balances including, but not limited to, collection fees, filing fees and court costs.

In addition to the foregoing, and without limitation thereof, Client understands, acknowledges and agrees that in the event payment is not received by Vertical Consultants within thirty (30) days of any applicable invoice provided to Client, Vertical Consultants may elect to immediately suspend

any and all services hereunder, without liability to Client, until such time as Vertical Consultants is paid in full. Time is of the essence in the performance and payment of all payment obligations by Client.

Governing Law and Venue: This agreement shall be governed by and construed in accordance with the laws of the State of Tennessee. Client hereby irrevocably consents to the exclusive personal and subject matter jurisdiction and venue of the federal and state courts in Williamson County, in the State of Tennessee, for any and all claims and causes of action arising from or related to this Agreement.

Liability Limitations: In no event shall either party be liable to the other party for any special, indirect, exemplary or consequential damages or loss of revenue or other economic loss arising out of or in connection with this Agreement. Without limiting the foregoing, Vertical Consultants' maximum aggregate liability to the Client for damages arising from any and all causes whatsoever and regardless of the form of action, whether in contract, tort or negligence, shall not exceed the amount of fees paid by Client to Vertical Consultants immediately prior to the date on which the cause of action accrued.

Client acknowledges that Vertical Consultants is not a law firm and neither it nor its employees, contractors or agents are providing you legal advice or legal services to Client.

The Client and Vertical Consultants represent and warrant to each other that they have full right, power and authority to enter into this letter agreement without the consent or approval of any other entity or person. Moreover, the signatory, on behalf of the Client and Vertical Consultants, further represent and warrant that they have full right, power and authority to act for and on behalf of the Client and Vertical Consultants, respectively, in entering into this letter agreement.

Client shall have twenty (20) business days from the date of this letter agreement to accept the terms contained herein. If such terms are not accepted during such period, the terms of this agreement shall be deemed rejected, and this agreement shall have no force or effect.

We look forward to your acknowledgement and acceptance of both the above services that Vertical Consultants shall endeavor to perform and the associated fee structure for such services by countersigning this letter and returning it by either facsimile at 877-456-7552 or via scan/email at jaime@vertical-consultants.com.

Again, thank you for your time and consideration, and please feel free to contact me with any questions and/or comments, as I can be reached at 877-456-7552 or via e-mail at hugh@vertical-consultants.com.

(SIGNATURES TO APPEAR ON NEXT PAGE)

Respectfully,



Hugh D. Odom
President-Vertical Consultants

Acknowledged and Accepted:

City of Mills, Wyoming

By: _____

Title: _____

Date: _____

April 10, 2025

Via E-Mail Delivery

Re: Authorization Letter

To Whom It May Concern:

This correspondence shall serve as evidence of City of Mills, Wyoming's (hereinafter being referred to as the "Client") authorization of Vertical Consultants, LLC ("Vertical Consultants") to represent the Client, as it pertains to the current telecommunications water tower lease or other similar agreement encumbering on that real property having the street address of 215 Northwestern Avenue, Mills, Wyoming.

This representation shall include Vertical Consultants authority to discuss matters related to the current lease and the right to request and receive information as it relates to the current lease agreement or any amendments thereto.

Please feel free to direct any questions you may have with respect to this correspondence to Vertical Consultants at 877-456-7552, or via email at info@vertical-consultants.com.

Respectfully,

City of Mills, Wyoming



CITY OF MILLS
EST. 1921

704 Fourth Street
P.O. Box 789
Mills, WY 82644

Phone: 307-234-6679
Fax: 307-234-6528

Item #2.

Memorandum

TO: Mills City Council
FROM: Megan Nelms, AICP, City Planner
DATE: April 22, 2025
SUBJECT: Cross Country Freight Development Plan

Case Number: 25.02 DEV

Summary: The applicant is proposing to construct a 4,375 square foot warehouse and associated loading docks and area for a commercial transportation business. The proposed site sits on two lots totaling just under 5.0-acres in size within Opportunity Subdivision, however no structures will cross property boundaries and all required zoning setbacks have been met. The property is zoned I-1 (Light Industrial).

Staff Recommendation: Staff's recommends APPROVAL of the Development Plan and that the City enter into a Site Plan Agreement with the applicant.

Planning Commission Recommendation: At their April 3, 2025, meeting the Planning & Zoning Commission made a "DO PASS" recommendation on the Development Plan, pending completion of all planning considerations.

Cross Country Freight Industrial Warehouse

Commercial Site Plan

Planning Commission Meeting
April 3, 2025

City Council Meeting

Applicants: NAP Nebraska, LLC

Case Number: 25.02 DEV

Agent: Dave Swinney, Caspar Building Systems

Summary: The applicant is proposing to construct a 4,375 square foot warehouse with associated loading docks and areas for a commercial transportation business.

Legal Description: Lots 11 & 12, Opportunity Subdivision

Location: The property is located off TKS Ct just west of Salt Creek Hwy. The rear of the lots adjoins the intersection of Salt Creek Hwy and MJB Rd.

Current Zoning: I-1 (Light Industrial)

Adjacent Land Use: North: Opportunity Subdivision (I-1)
South: Tank Farm Industrial Park (I-1)
East: Opportunity Subdivision (I-1) & Salt Creek Hwy
West: Opportunity Subdivision (I-1)

Applicable Land Development Regulations

Section 10.40 of the Mills LDRs provides the review criteria for the approval of a Development Plan. Those criteria include whether the site plan complies with all applicable regulations and if the development requires any additional site and design considerations. The proposed development should not create conflicts with vehicle, bicycle or pedestrian circulation and the Commission and/or City Council may require modifications, or condition plans, to ensure specific design features and conformance with all applicable standards.

Summary:

A Development Plan application has been submitted for construction of an industrial transportation warehouse. The site encompasses two lots totaling just under 5.0-acres; however no structures are planned across the lot line and all required setbacks from structures are met. The property is zoned I-1 (Light Industrial).

Planning Considerations:

Item #2.

1. Per Section 40.40 of the LDRs, a minimum of 4% of the site must be landscaped. Undisturbed, natural vegetation areas do not count towards required landscaping. The applicant has shown a landscaped area at the front of the proposed warehouse. Provide additional information:
 - i. Revise the total area proposed to be landscaped on the site plan checklist
 - ii. Summary narrative of landscaping plan
 - iii. List of materials to be used in landscaping
 2. Provide a final pavement design report for all parking and loading areas.
 3. Enter into an approved Site Plan Agreement upon approval of the Development Plan.
 4. Obtain all required building permits for construction, including all site lighting and on-premise signage.
 5. A single address will be assigned after approval of the site plan.
-

Staff Recommendation:

Staff recommends APPROVAL of the development plan upon all planning considerations being completed.

Planning Commission Recommendation:

City Council Decision:



CITY OF MILLS
APPLICATION FOR SITE PLAN APPROVAL
Pursuant to the City of Mills Zoning Ordinance



Item #2.

City of Mills, Wyoming
704 4th Street (Physical Address)
P.O. Box 789 (Mailing Address)
Mills, Wyoming 82644

Date: 3/10/2025

Return by: 3/13/2025

(Submittal Deadline)

For Meeting on: 4/3/2025

PLEASE PRINT

SINGLE POINT OF CONTACT: Dave Swinney

APPLICANT/PROPERTY OWNER(S) INFORMATION:

Print Owner Name: NAP NEBRASKA LLC

Owner Mailing Address: 1929 HANCOCK DR

City, State, Zip: BISMARCK ND 58501

Owner Phone: 701-222-8498

Applicant Email: Cthomas@CCFS.com

AGENT INFORMATION:

Print Agent Name:
Caspar Building Systems

Agent Mailing Address:
1975 Old Salt Creek Hwy

City, State, Zip: Casper, WY 82601

Agent Phone: 307-258-0459

Agent Email: dswinney@casparbuildingsystems.com

PROPERTY INFORMATION:

Subject property legal description (attach separate page if long legal): Lots 11 & 12, Opportunity Subdivision,
City of Mills, Wyoming

Physical address of subject property if available: 999 TKS Road, Mills, Wyoming

Size of lot(s) sq. ft./acres: Lot 11: 1.844 Acre, Lot 12: 3.145 Acre

Current zoning: I-L Current use: Undeveloped

Intended use of the property: Warehouse

Zoning within 300 feet: I-L Land use within 300 feet: Undeveloped, Storage, Heavy Equipment Dealer

ATTACHMENTS (REQUIRED):

1. **Proof of ownership:** X
(such as deed, title certification, attorney's title opinion)
2. **Seven (7) full sized copies of the Site Plan:** _____
3. **One reproducible 11 x 17 Site Plan hard copy:** _____
4. **One Site Plan electronic copy (pdf):** _____

IF APPLICABLE, INCLUDE:

1. Number of employees on the premises: 5
2. Building occupant loading (if recreational, entertainment, place of assembly, a facility or building of similar nature):
N/A
3. Number of residential units: N/A
4. Number of off-street parking spaces **provided:** 20
5. Number of off-street parking spaces **required:** 10

SIGNATURE(S):

The following owner's signature signifies that all information on this application is accurate and correct to the best of the owner's knowledge; and that the owner has thoroughly read and understands all application information and requirements. [In addition to the owner's signature(s), if an agent of the owner is to be the contact for all communications relating to this application, please have the agent sign below.]

I (We) the undersigned owner(s) of the property described above do hereby make application to the City of Mills as follows:
Development of a warehouse facility.

OWNER Signature Cthomas

OWNER Signature _____

AGENT Signature [Signature]














FEE: \$10.00 per dwelling unit with a \$250.00 minimum and a \$1000.00 maximum; **plus a recordation fee of \$150.00.**

For Office Use Only: Signature verified: _____ **Proof of ownership provided:** _____ **Fee Paid: \$** _____

Cross Country Freight Development Plan – Lots 11 & 12, Opportunity Subdivision



Mills Zoning Districts

 Mills, C-1: General Commercial	 Mills, O-B: Office Business District
 Mills, C-3: Business Service District	 Mills, R-1: Single Family Dwelling District
 Mills, I-1: Light Industrial	 Mills, R-2: One and Two Family Dwelling District
 Mills, I-2: Heavy Industrial	 Mills, R-3: Multiple Family Dwelling District
 Mills, M-H: Manufactured Home District	 Mills, UA: Urban Agriculture
 Mills, M-P: Manufactured Home Park	 Mills, UR: Urban Agriculture Residential
 Mills, PLI: Public Land Institutions	

SITE PLAN SUBMITTAL

CROSS COUNTRY FREIGHT

999 TKS COURT

MILLS, WYOMING

- RECOVER
- RECOVER
- RECOVER
- RECOVER
- RECOVER
- EX SIGN

SITE PLAN CHECKLIST

1. Legal description and common address(es) of the proposed site: LOTS 11 AND 12, OPPORTUNITY SUBDIVISION, CITY OF MILLS
2. Title block stating name of project, designer, and address and telephone number of designer:
PROJECT: CROSS COUNTRY FREIGHT

CONTRACTOR: CASPAR BUILDING SYSTEMS, INC
1975 OLD SALT CREEK RD
CASPER, WY 82601

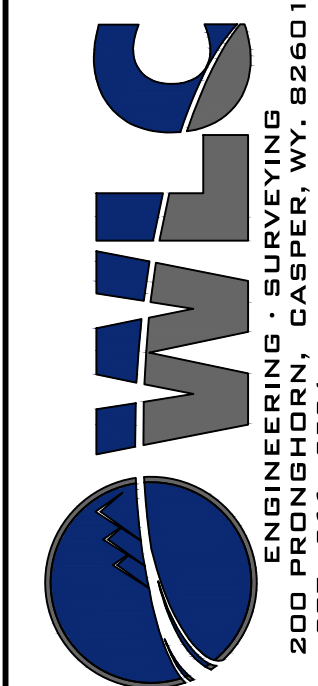
CIVIL ENGINEER: WLC ENGINEERING & SURVEYING, INC
200 PRONGHORN ST
CASPER, WY 82601
3. Names of all abutting property owners if other than the petitioner: AS SHOWN
4. Surrounding land uses, buildings, and zoning on all abutting sides, including those lands separated from the land under consideration by a street, alley, or other roadway: AS SHOWN
5. Current zoning of the land under consideration and proposed zoning, if applicable:
CURRENT ZONING: I-L
PROPOSED ZONING: I-L
6. North arrow, scale of site plan at a scale of 1"=10' or a multiple thereof, and date site plan was prepared: AS SHOWN
7. Land area dimensions: AS SHOWN
8. Dimensions of all setbacks and heights of all proposed buildings: AS SHOWN
9. Location and dimensions of all proposed off-street loading dock areas, including street access and traffic flow, to these areas: AS SHOWN
10. Location of all trash receptacles: AS SHOWN
11. Locations and types of all advertising signs and fences: AS SHOWN
12. Any screening or screening devices used to minimize or eliminate areas which tend to be unsightly: NONE PROPOSED
13. Locations of existing and proposed exterior lighting, heights of poles, and size and number of fixtures: AS SHOWN. WALL PACKS ON THE BUILDING.
14. Names and widths of all adjacent streets, dimensions and location of all public and private roadways, streets, or driveways, both paved and unpaved, including right-of-way, pavement width, and proposed uses of right-of-way: AS SHOWN
15. Location and dimensions of existing and proposed curb cuts and sidewalks: AS SHOWN
16. Off-street parking spaces, locations and dimensions, layout, traffic control, compact and handicap parking spaces, including all surface markings such as directional arrows: AS SHOWN
17. Location of all wheel stops, bumper guards, and curbing warranted by topography or traffic and pedestrian circulation: NONE PROPOSED.
18. Types of ground or yard surfacing throughout, grass, paving, gravel, etc: AS SHOWN
19. Existing and proposed easements: AS SHOWN
20. Vicinity/Location map at a scale of 1"=600' clearly indicating the location of the land in question with respect to a larger recognizable area: AS SHOWN
21. General notes to include a summary table on the site plan:
 - a. Total land area in acres or square feet: 4.99 AC
 - b. Total building footprint in square feet: PROPOSED 4,375 SF
 - c. Total square feet of building addition: N/A
 - d. Percentage of land covered by buildings: 2%
 - e. Building height(s): SEE ELEVATIONS
 - f. Number of stories and total square footage of leasable space: ONE STORY, 4,375 SF
 - g. Total number of parking spaces: 5 REGULAR; 2 HANDICAPPED, 13 TRACTOR-TRAILER SPOTS
 - h. Square footage of parking area(s): 125,900 SF
 - i. Percentage of land covered by parking: 58%
 - j. Square footage of all landscaped areas: 84,425 SF
 - k. Percentage of site covered by landscaping: 40%
22. Numbering of items on the site plan to correspond to items on this checklist: AS SHOWN
23. Existing and proposed contours: AS SHOWN
24. Elevations of the building(s) to be constructed (front, rear, side): SEE ARCHITECTURAL DRAWINGS
25. Surface drainage plans for sites at ten thousand (10,000) square feet or more:
26. Pavement design report for parking areas:
27. Traffic study (if required by the City Engineer, Planning Staff, Planning and Zoning Boards or City Council): NONE PROPOSED

LEGEND

- | SYMBOL | DESCRIPTION | SYMBOL | DESCRIPTION |
|----------------------|------------------------|---------------------|-------------|
| RECOVERED BRASS CAP | EX ELECTRIC METER | PROPERTY BOUNDARY | |
| RECOVERED ALUM. CAP | EX ELECTRIC VAULT | FENCE | |
| RECOVERED REBAR | EX CONDUIT RISER | ROAD | |
| RECOVERED IRON PIPE | EX SANITARY MANHOLE | EX EDGE ASPHALT | |
| RECOVERED CORNER | EX SANITARY CLEANOUT | EX EDGE CONCRETE | |
| EX SIGN | EX SEPTIC CLEANOUT | EX EDGE GRAVEL | |
| EX MONITOR WELL | EX STORM MANHOLE | EX FLOWLINE | |
| EX TREE | EX STORM INLET | EASEMENT | |
| EX BUSH | EX TELEPHONE MARKER | EX CONTOUR MAJOR | |
| EX BORE HOLE | EX TELEPHONE PEDESTAL | EX CONTOUR MINOR | |
| EX TV PEDESTAL | EX TELEPHONE MANHOLE | EX FIBER | |
| EX TV RECEIVER | EX TELEPHONE PULLBOX | EX PIPELINE | |
| EX GAS METER | EX TRAFFIC SIGNAL | EX GASLINE | |
| EX GAS VALVE | EX TRAFFIC CONTROL BOX | EX POWERLINE | |
| EX GAS RISER | EX WATER VALVE | EX STORM SEWER | |
| EX PIPELINE MARKER | EX FIRE HYDRANT | EX SANITARY SEWER | |
| EX TEST LEAD | EX CURB STOP | EX TELEPHONE | |
| EX POWER POLE | EX SPIGOT | EX WATERLINE | |
| EX POWER TRANSFORMER | EX WATER METER | EX CABLE TV | |
| EX LIGHT POLE | EX SPRINKLER VALVE BOX | EX OVERHEAD POWER | |
| EX CATHODIC TEST | EX SPRINKLER HEAD | CHAIN LINK FENCE | |
| EX GUY POLE | EX WATER MANHOLE | PROP EDGE ASPHALT | |
| EX GUY ANCHOR | EX GAS PUMP | PROP EDGE CONCRETE | |
| EX SWITCH POLE | PROP SANITARY PUMP | PROP CONTOUR MAJOR | |
| | | PROP CONTOUR MINOR | |
| | | PROP GASLINE | |
| | | PROP POWERLINE | |
| | | PROP STORM SEWER | |
| | | PROP SANITARY SEWER | |
| | | PROP WATERLINE | |



LOCATION & VICINITY MAP
SCALE: 1"=1000'



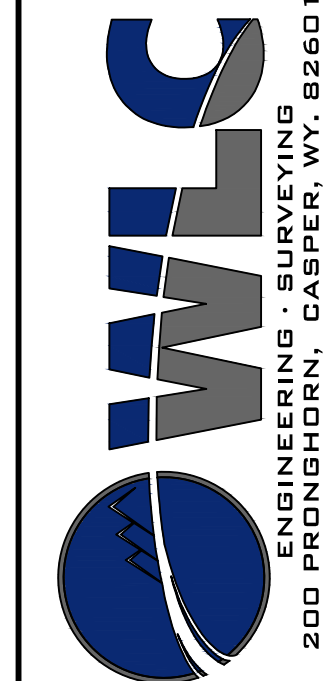
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Chk. By: FGF Book No.:
Acad File: CCF DESIGN_CURRENT.dwg

FOR: CASPAR BUILDING SYSTEMS
1975 SALT CREEK HWY
CASPER, WY 82601

REVISIONS

CROSS COUNTRY FREIGHT
SITE PLAN COVER

SHEET NO
1 OF 2
DATE:
3/10/25

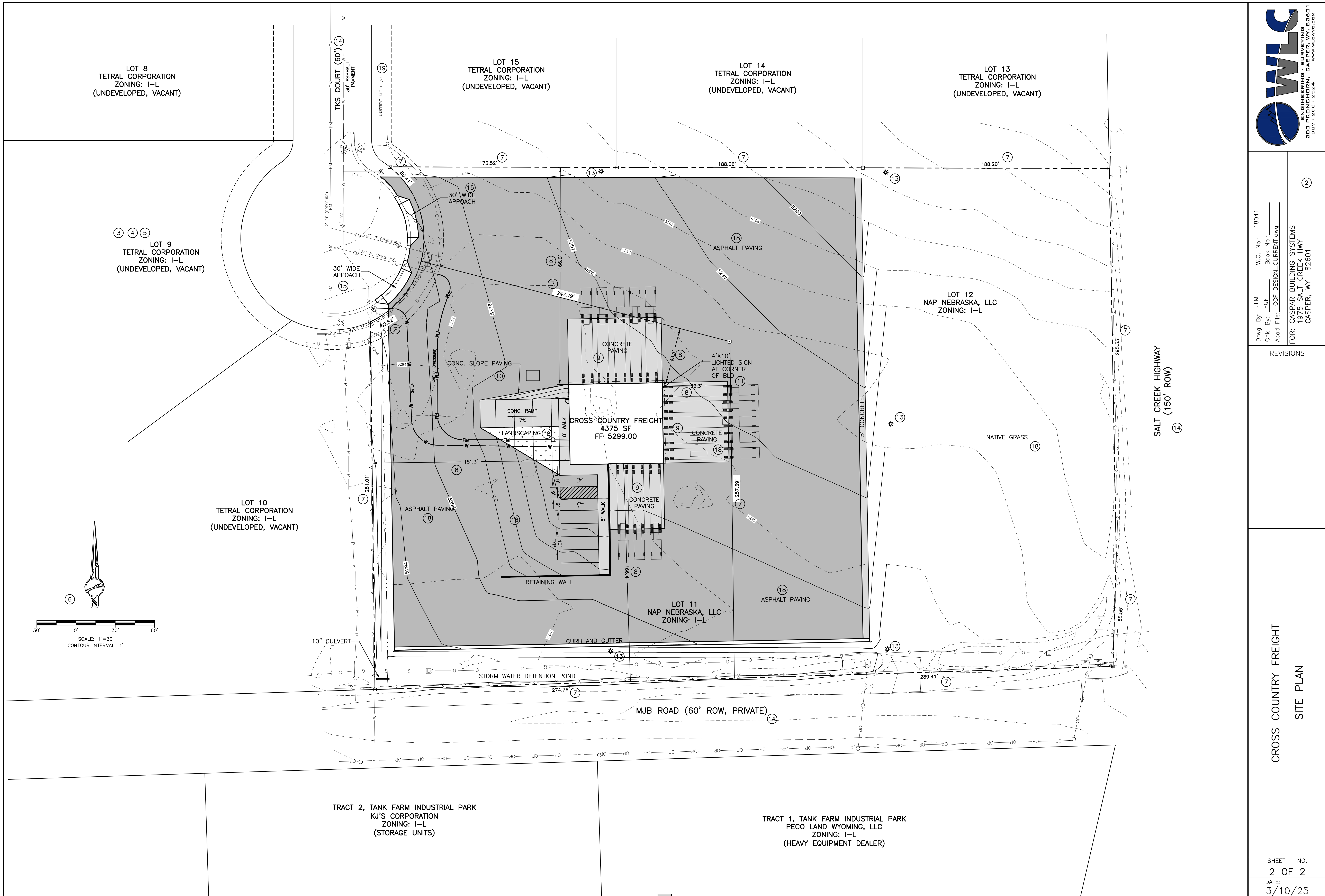


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Chk. By: FGF Book No.:
Acad File: CCF DESIGN_CURRENT.dwg
FOR: CASPAR BUILDING SYSTEMS
1975 SALT CREEK HWY
CASPER, WY 82601

REVISIONS

CROSS COUNTRY FREIGHT
SITE PLAN

SHEET NO.
2 OF 2
DATE:
3/10/25



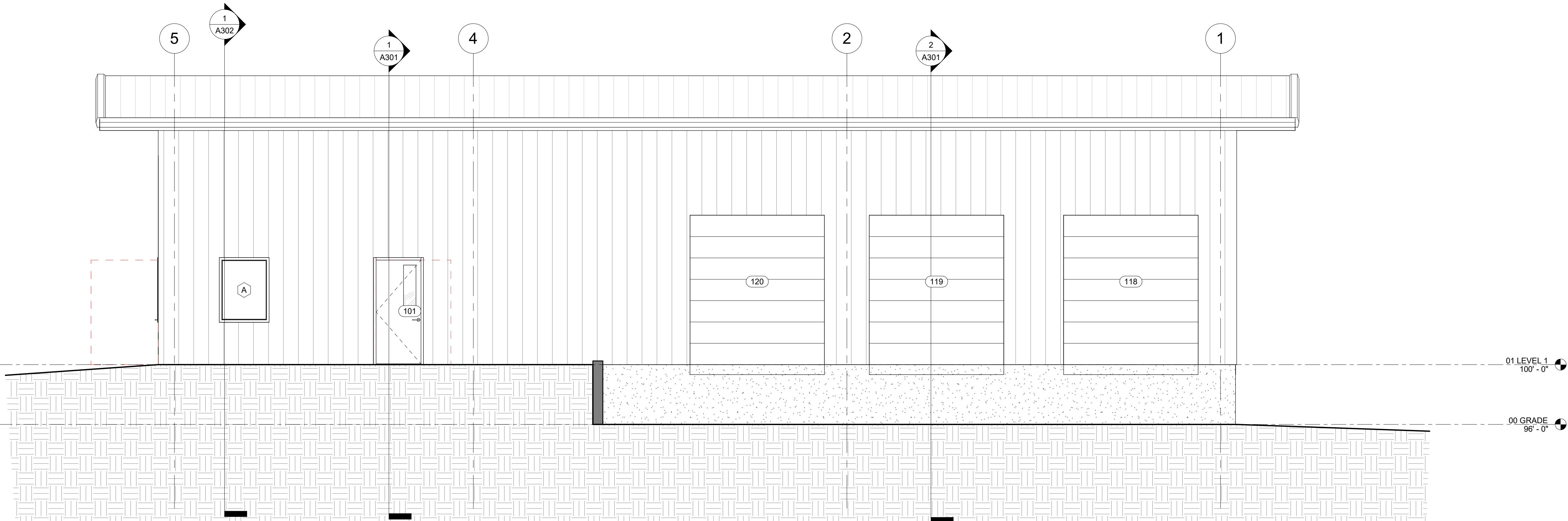
New Warehouse for:
Cross Country Freight
Lots 11 & 12, Opportunity Subdivision, Mills, Wyoming

Job No. 24-CCFS
Date: 2/28/2025
Drawn By: JCB

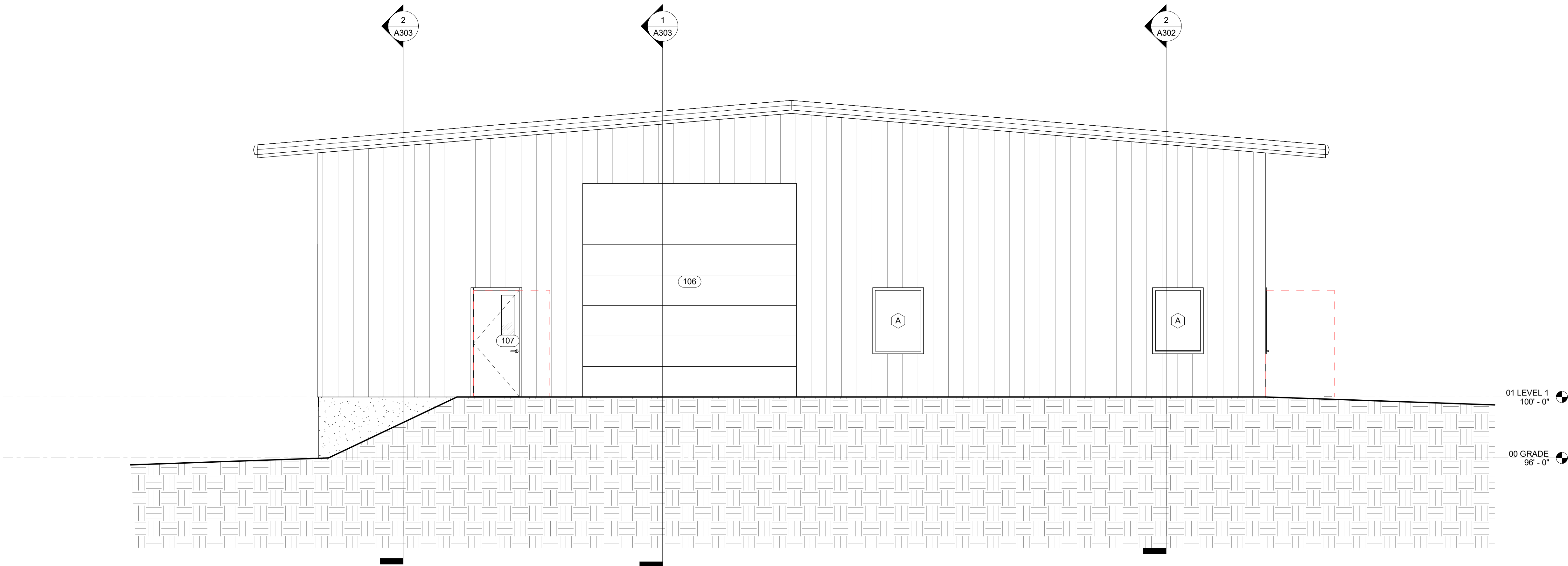
REVISIONS

EXTERIOR ELEVATIONS

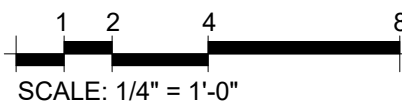
A201



1 SOUTH ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"



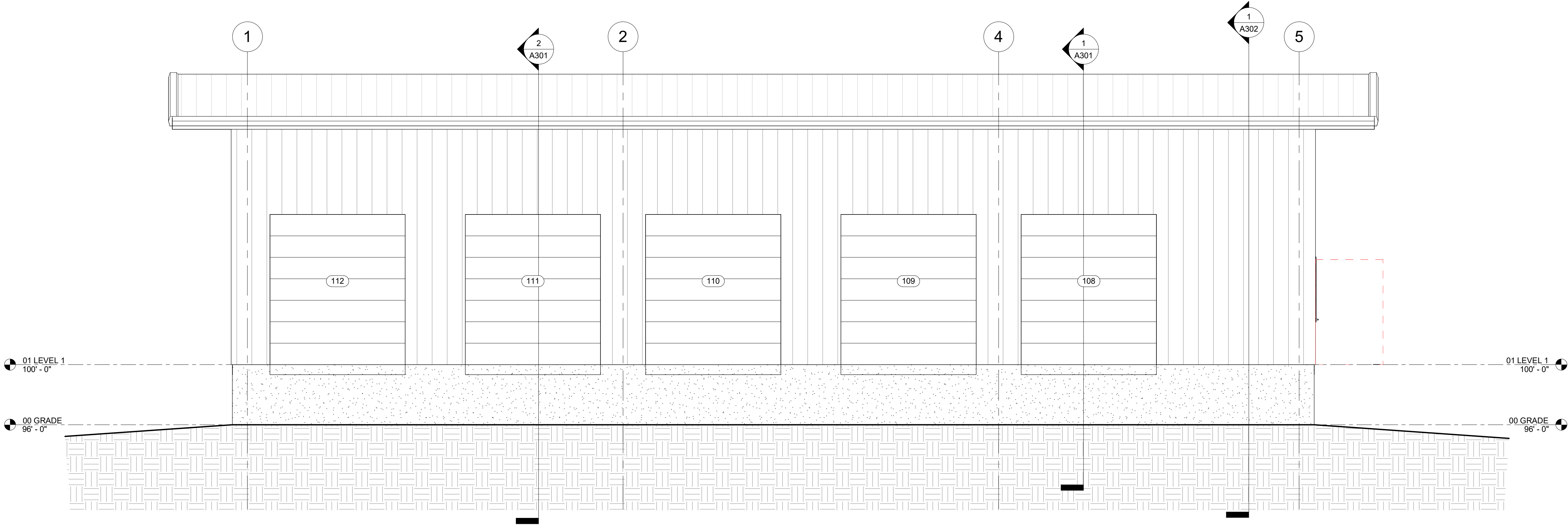
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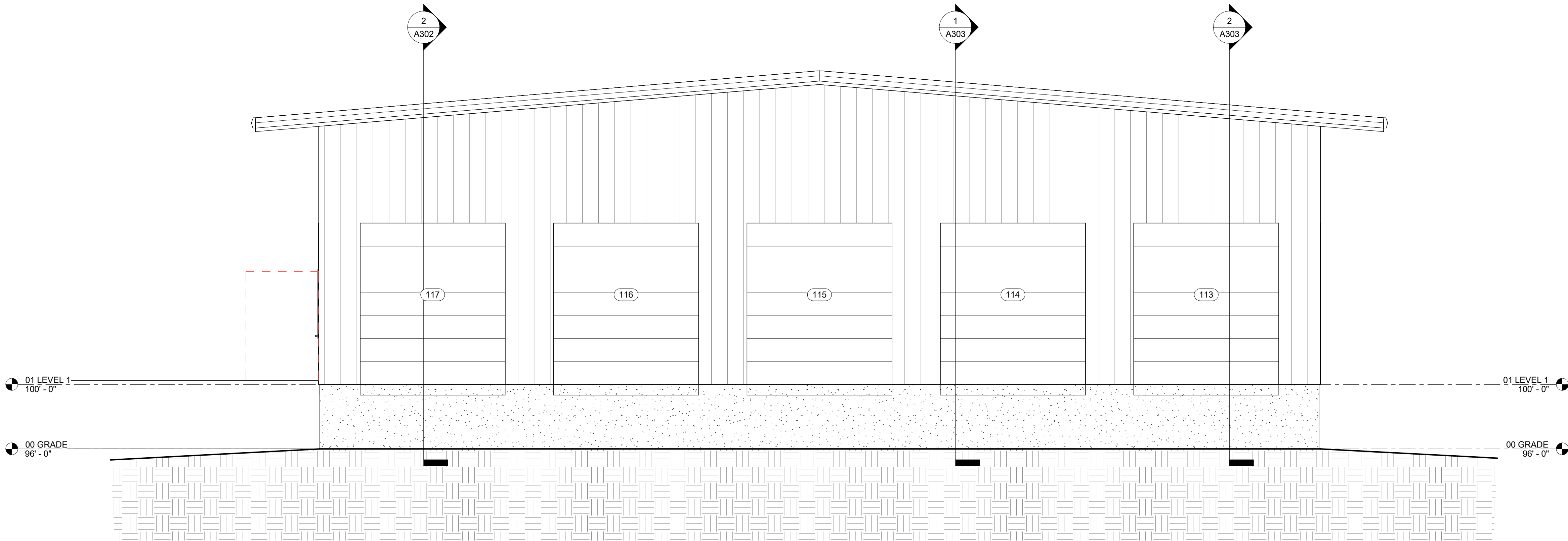
REVISIONS

EXTERIOR ELEVATIONS

A202



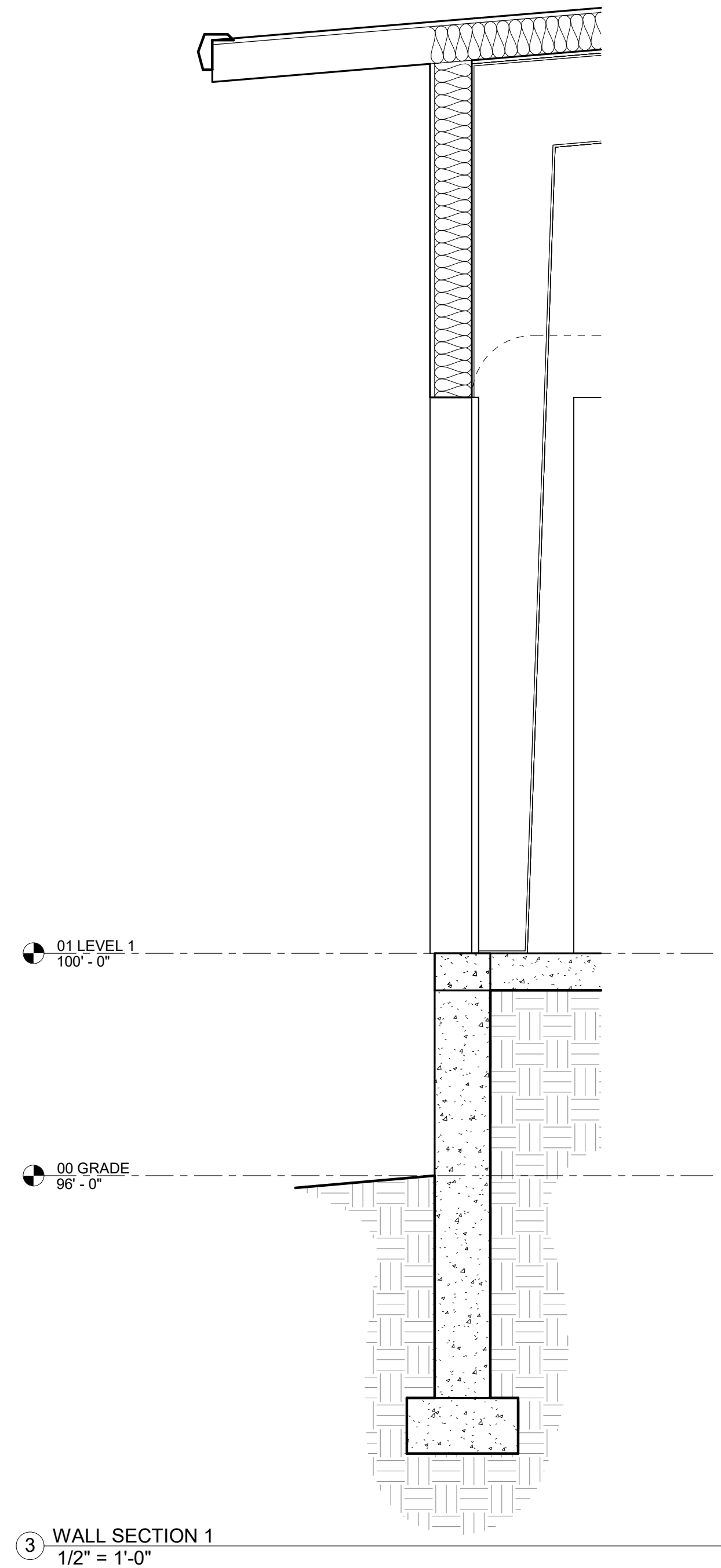
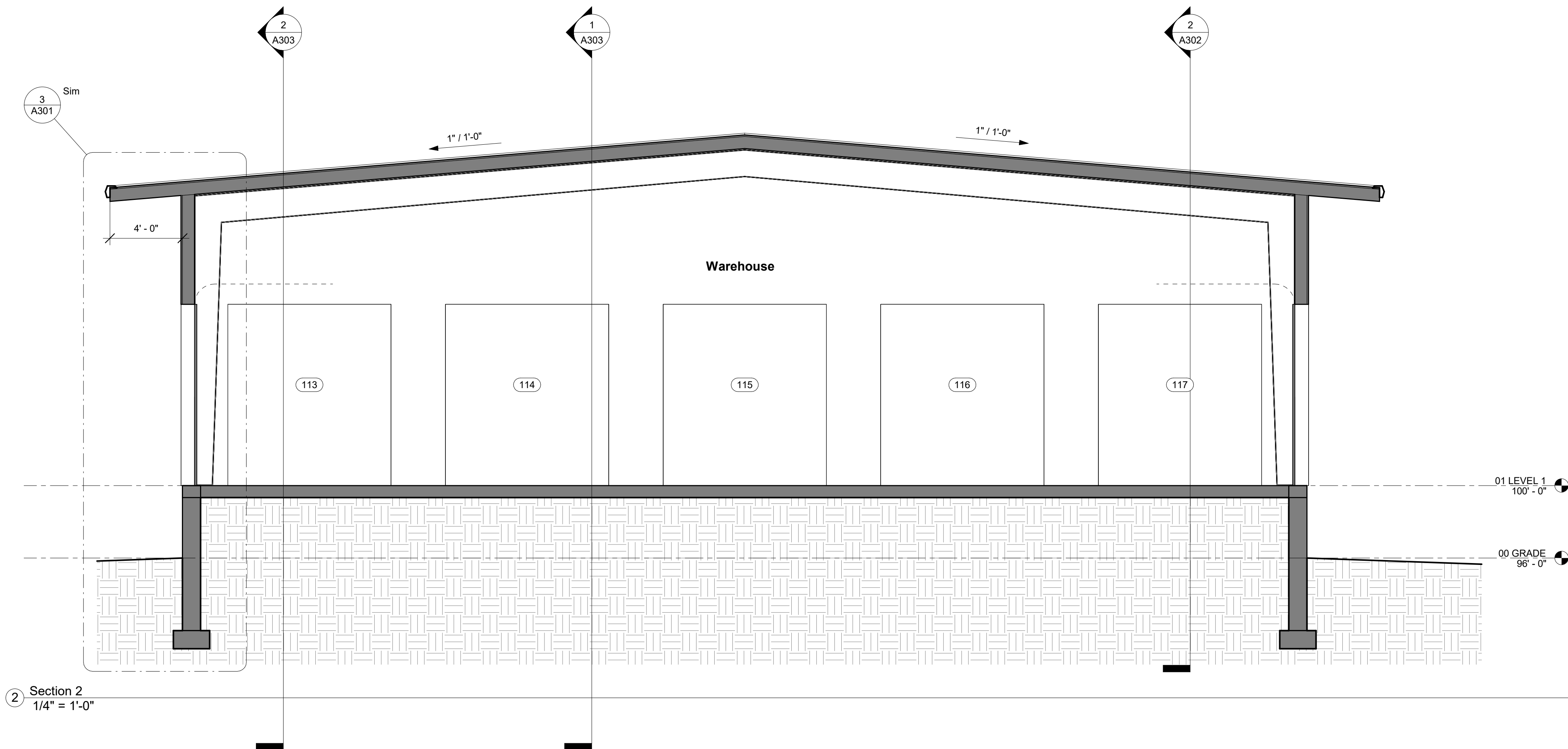
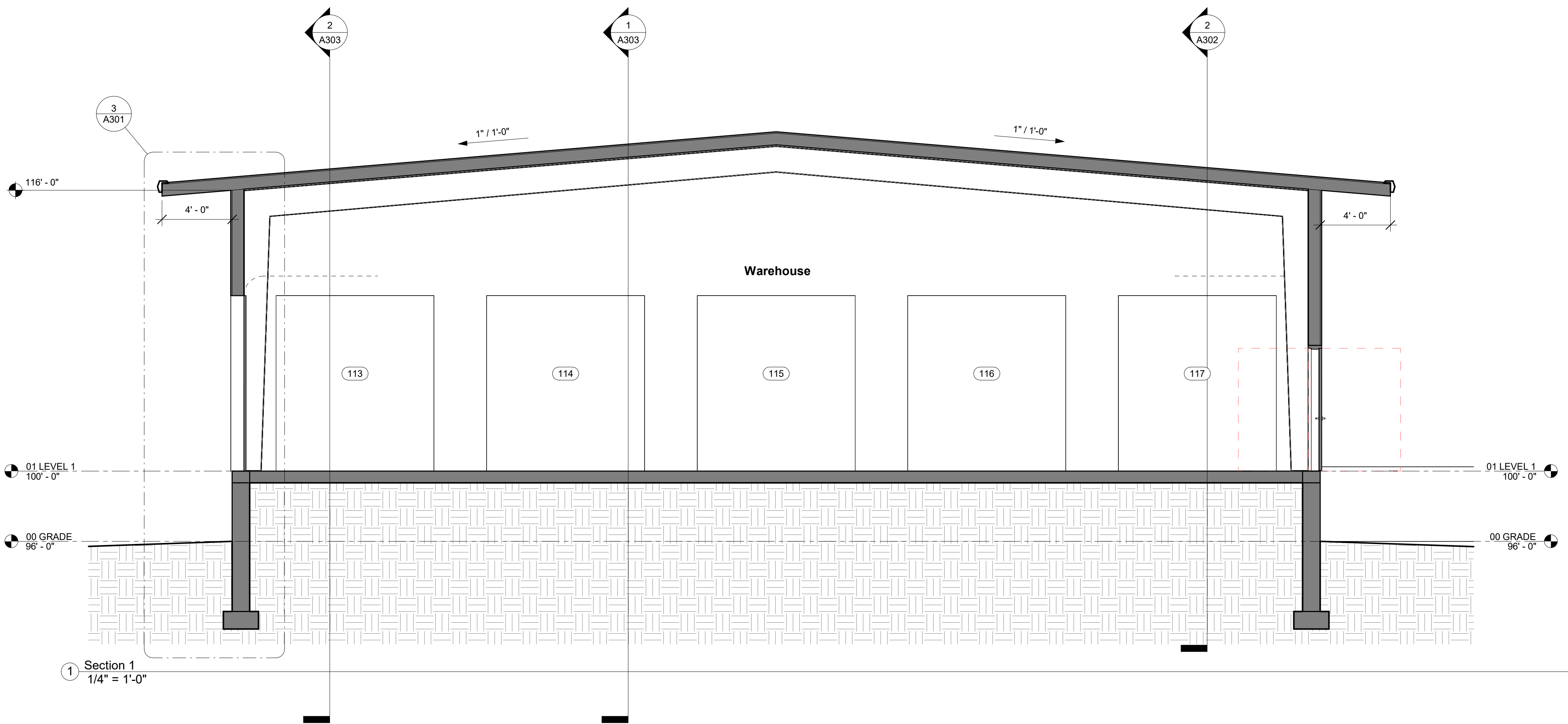
① NORTH ELEVATION
1/4" = 1'-0"



② EAST ELEVATION
1/4" = 1'-0"

1 2 4 8
SCALE: 1/4" = 1'-0"

I:\Jobs\24 - Cross Country Freight\11.0 - Drawings and Supplemental Drawings\11.2 - Working Drawings\A301_CCF_2025-02-25.rvt



1 2 4 8
SCALE: 1/4" = 1'-0"

Hein Bond
ARCHITECTS

235 S. David, Ste. D, Casper, WY 82601
307.234.3601
heinbond.com

New Warehouse for:
Cross Country Freight
Lots 11 & 12, Opportunity Subdivision, Mills, Wyoming

Job No. 24-CCFS
Date: 2/28/2025
Drawn By: JCB

REVISIONS

BUILDING SECTIONS

A301

COPYRIGHT HEIN/BOND, LLC

2/28/2025 11:32:11 AM

Item #2.

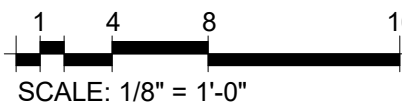
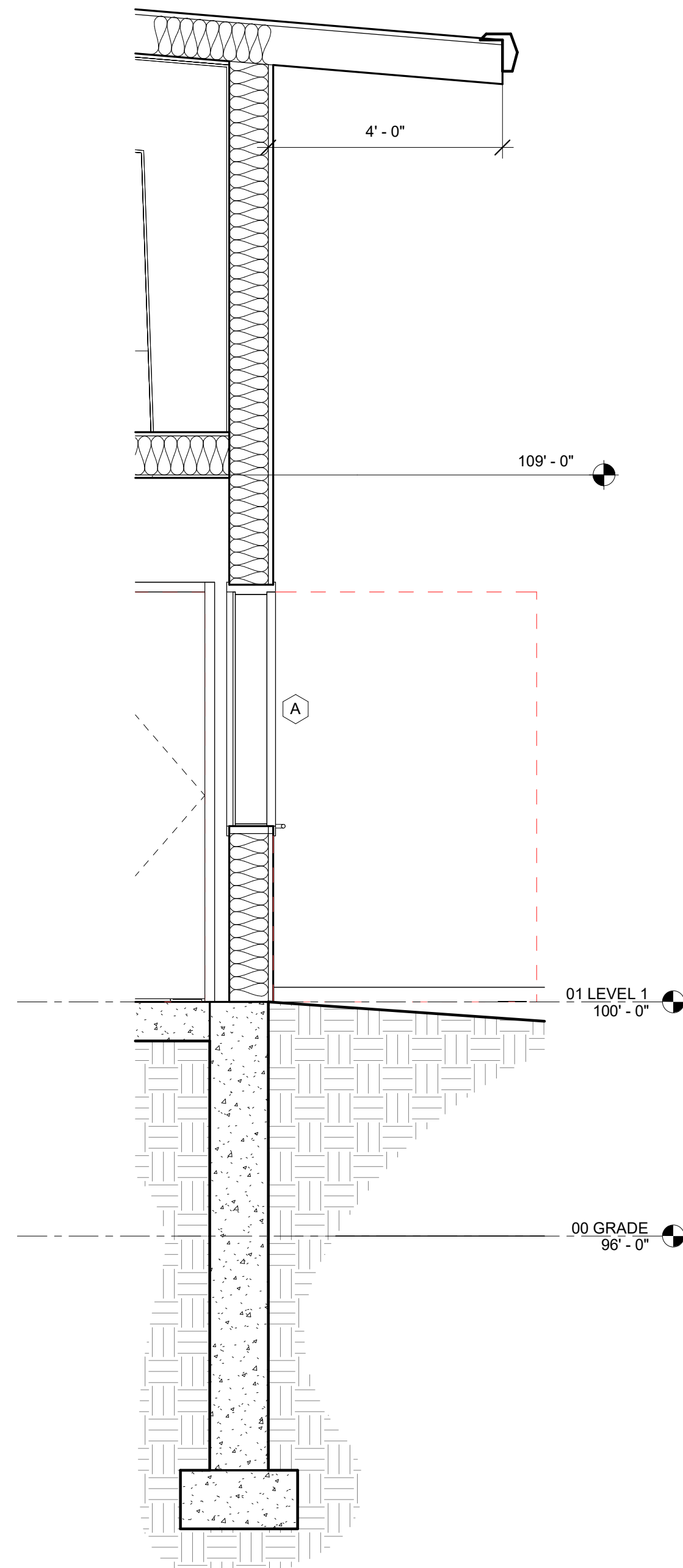
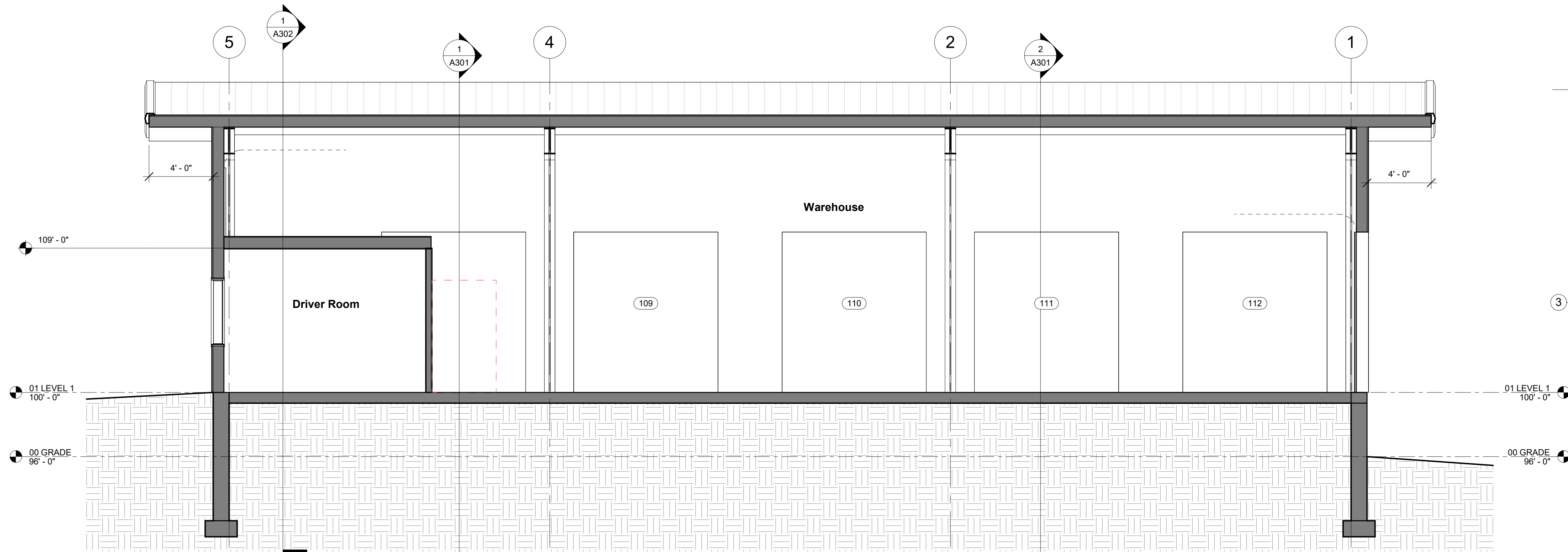
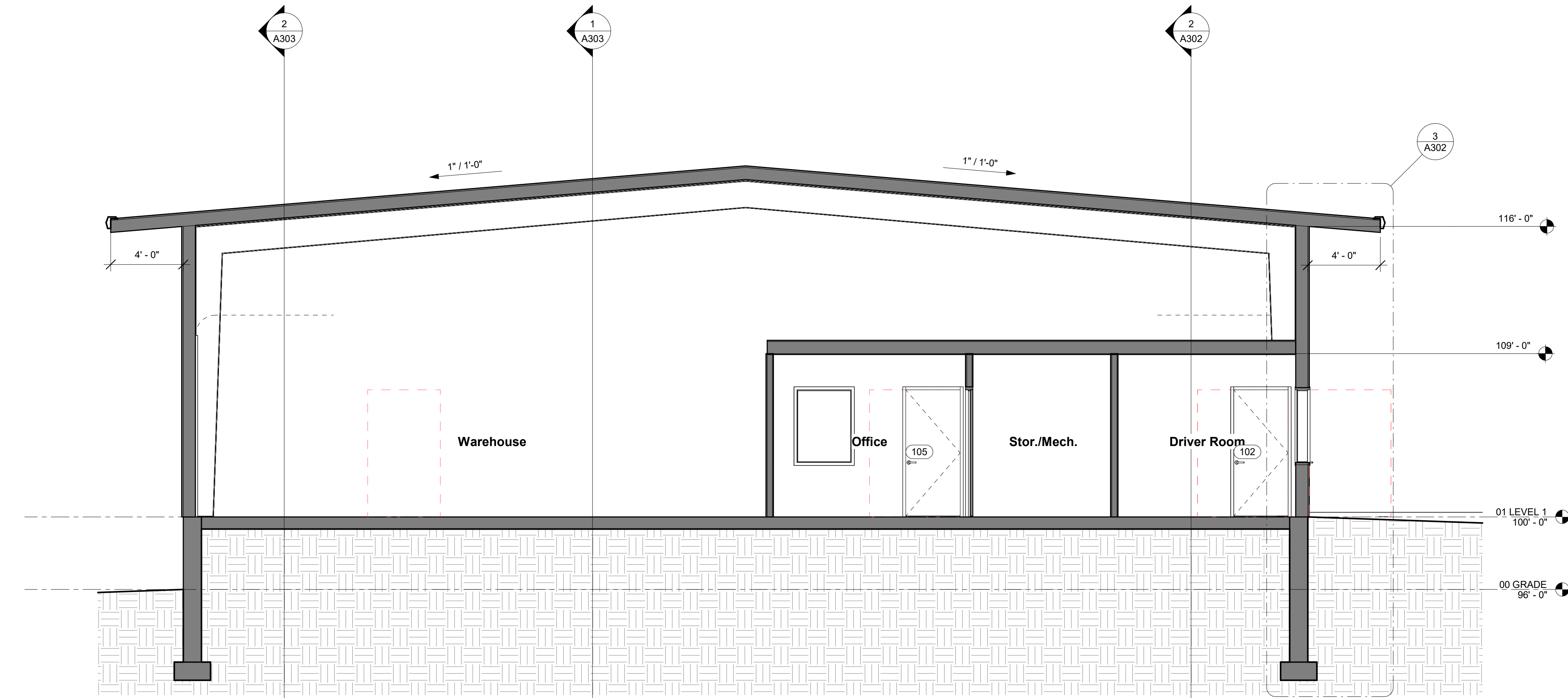
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Cross Country Freight
Lots 11 & 12, Opportunity Subdivision, Mills, Wyoming

Job No. 24-CCFS
Date: 2/28/2025
Drawn By: JCB

REVISIONS

BUILDING SECTIONS

A302



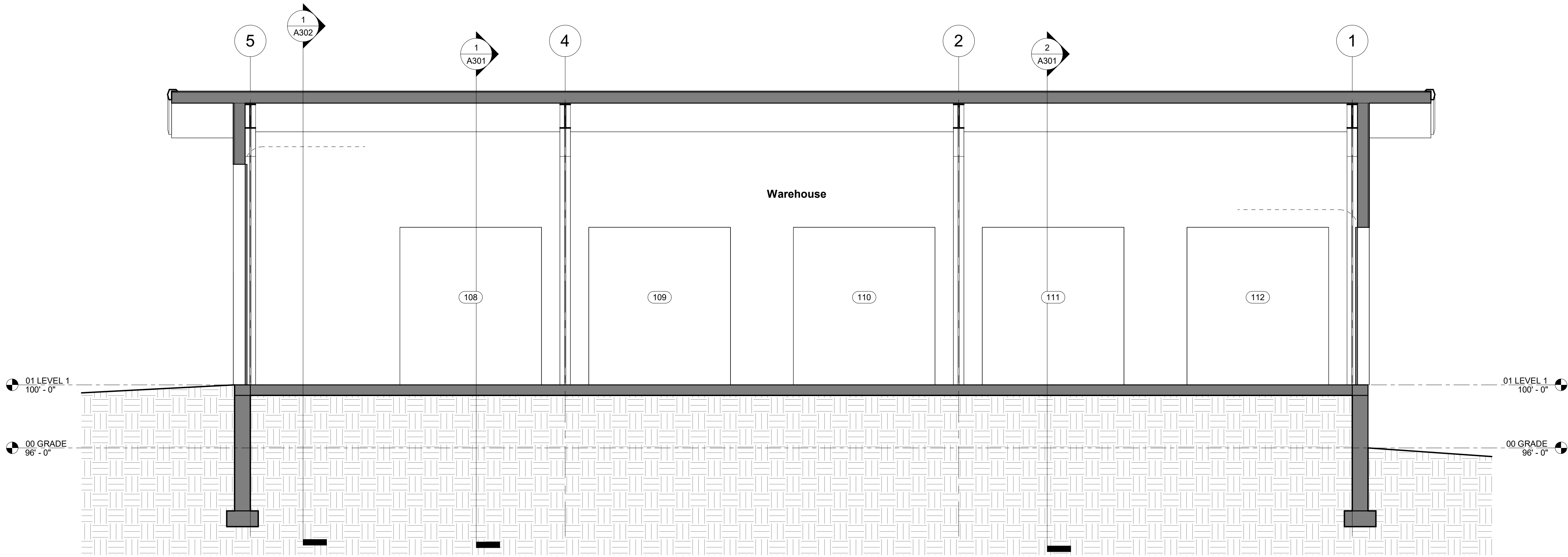
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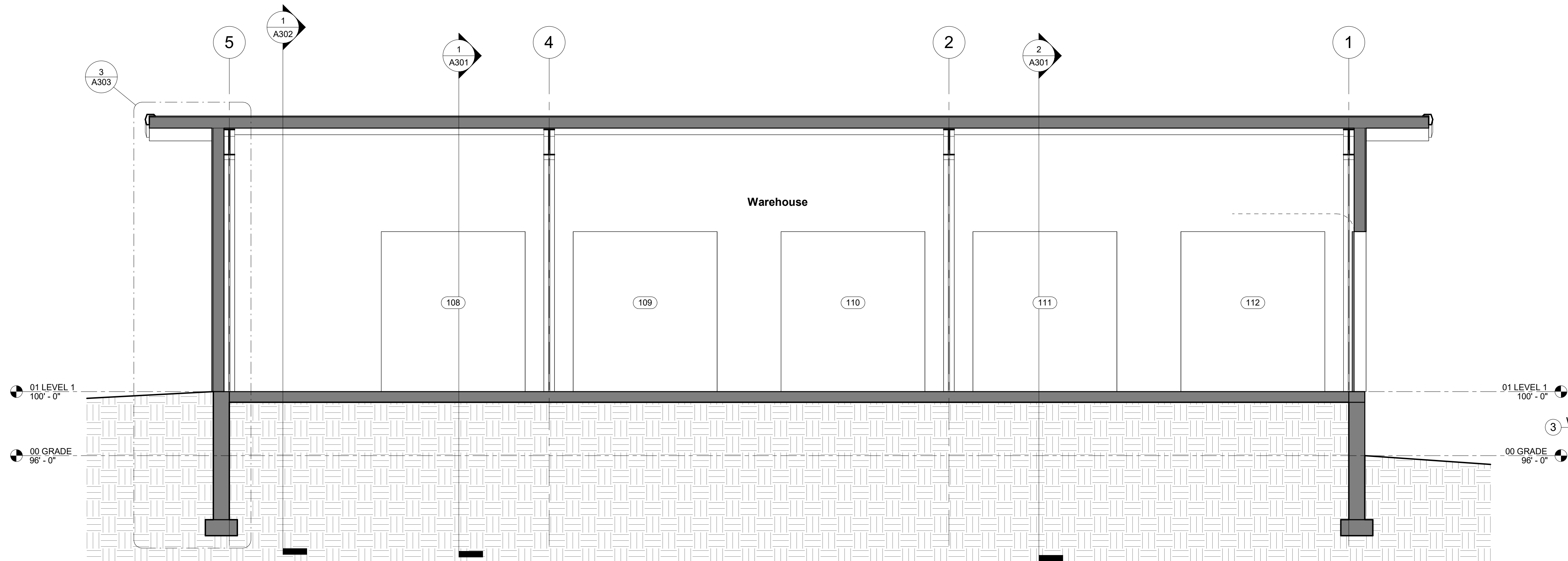
REVISIONS

BUILDING SECTIONS

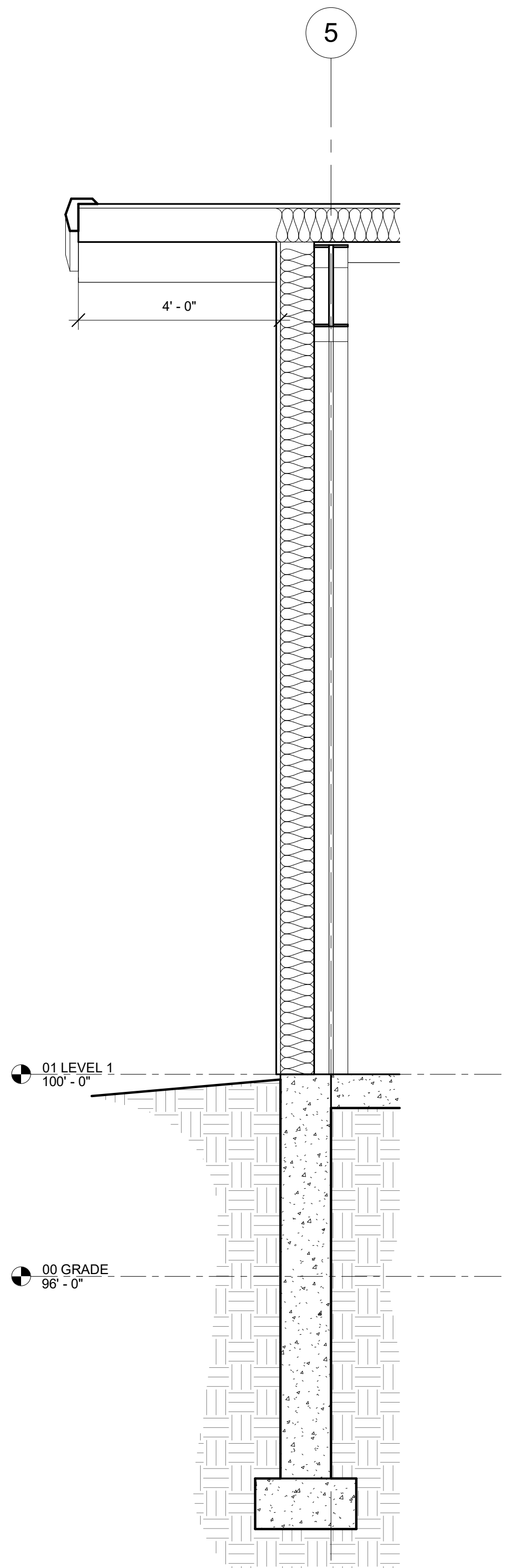
A303



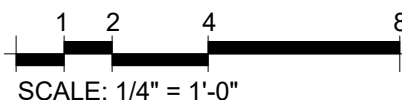
1 Section 5
1/4" = 1'-0"



2 Section 6
1/4" = 1'-0"



3 WALL SECTION 3
1/2" = 1'-0"



SITE PLAN SUBMITTAL

CROSS COUNTRY FREIGHT

999 TKS COURT

MILLS, WYOMING

SITE PLAN CHECKLIST

1. Legal description and common address(es) of the proposed site: LOTS 11 AND 12, OPPORTUNITY SUBDIVISION, CITY OF MILLS

2. Title block stating name of project, designer, and address and telephone number of designer:
PROJECT: CROSS COUNTRY FREIGHT

CONTRACTOR: CASPAR BUILDING SYSTEMS, INC
1975 OLD SALT CREEK RD
CASPER, WY 82601

CIVIL ENGINEER: WLC ENGINEERING & SURVEYING, INC
200 PRONGHORN ST
CASPER, WY 82601
3. Names of all abutting property owners if other than the petitioner: AS SHOWN

4. Surrounding land uses, buildings, and zoning on all abutting sides, including those lands separated from the land under consideration by a street, alley, or other roadway: AS SHOWN

5. Current zoning of the land under consideration and proposed zoning, if applicable:
CURRENT ZONING: I-L
PROPOSED ZONING: I-L

6. North arrow, scale of site plan at a scale of 1"=10' or a multiple thereof, and date site plan was prepared: AS SHOWN

7. Land area dimensions: AS SHOWN

8. Dimensions of all setbacks and heights of all proposed buildings: AS SHOWN

9. Location and dimensions of all proposed off-street loading dock areas, including street access and traffic flow, to these areas: AS SHOWN

10. Location of all trash receptacles: AS SHOWN

11. Locations and types of all advertising signs and fences: AS SHOWN

12. Any screening or screening devices used to minimize or eliminate areas which tend to be unsightly: NONE PROPOSED

13. Locations of existing and proposed exterior lighting, heights of poles, and size and number of fixtures: AS SHOWN. WALL PACKS ON THE BUILDING.

14. Names and widths of all adjacent streets, dimensions and location of all public and private roadways, streets, or driveways, both paved and unpaved, including right-of-way, pavement width, and proposed uses of right-of-way: AS SHOWN

15. Location and dimensions of existing and proposed curb cuts and sidewalks: AS SHOWN

16. Off-street parking spaces, locations and dimensions, layout, traffic control, compact and handicap parking spaces, including all surface markings such as directional arrows: AS SHOWN

17. Location of all wheel stops, bumper guards, and curbing warranted by topography or traffic and pedestrian circulation: NONE PROPOSED.

18. Types of ground or yard surfacing throughout, grass, paving, gravel, etc: AS SHOWN

19. Existing and proposed easements: AS SHOWN

20. Vicinity/Location map at a scale of 1"=600' clearly indicating the location of the land in question with respect to a larger recognizable area: AS SHOWN

21. General notes to include a summary table on the sire plan:

a. Total land area in acres or square feet: 1.84 AC (LOT 11) 3.15 AC (LOT 12)

b. Total building footprint in square feet: PROPOSED 4,375 SF

c. Total square feet of building addition: N/A

d. Percentage of land covered by buildings: 5.5% OF LOT 11

e. Building height(s): SEE ELEVATIONS

f. Number of stories and total square footage of leaseable space: ONE STORY, 4375 SF

g. Total number of parking spaces: 5 REGULAR, 2 HANDICAPPED, 13 TRACTOR-TRAILER SPOTS

h. Square footage of parking areas(s): 125,900 SF

i. Percentage of land covered by parking: 58% OF LOT 11 AND LOT 12

j. Square footage of all landscaped areas: 3,900 SF

k. Percentage of site covered by landscaping: 4.9% OF LOT 11

22. Numbering of items on the site plan to correspond to items on this checklist: AS SHOWN

23. Existing and proposed contours: AS SHOWN

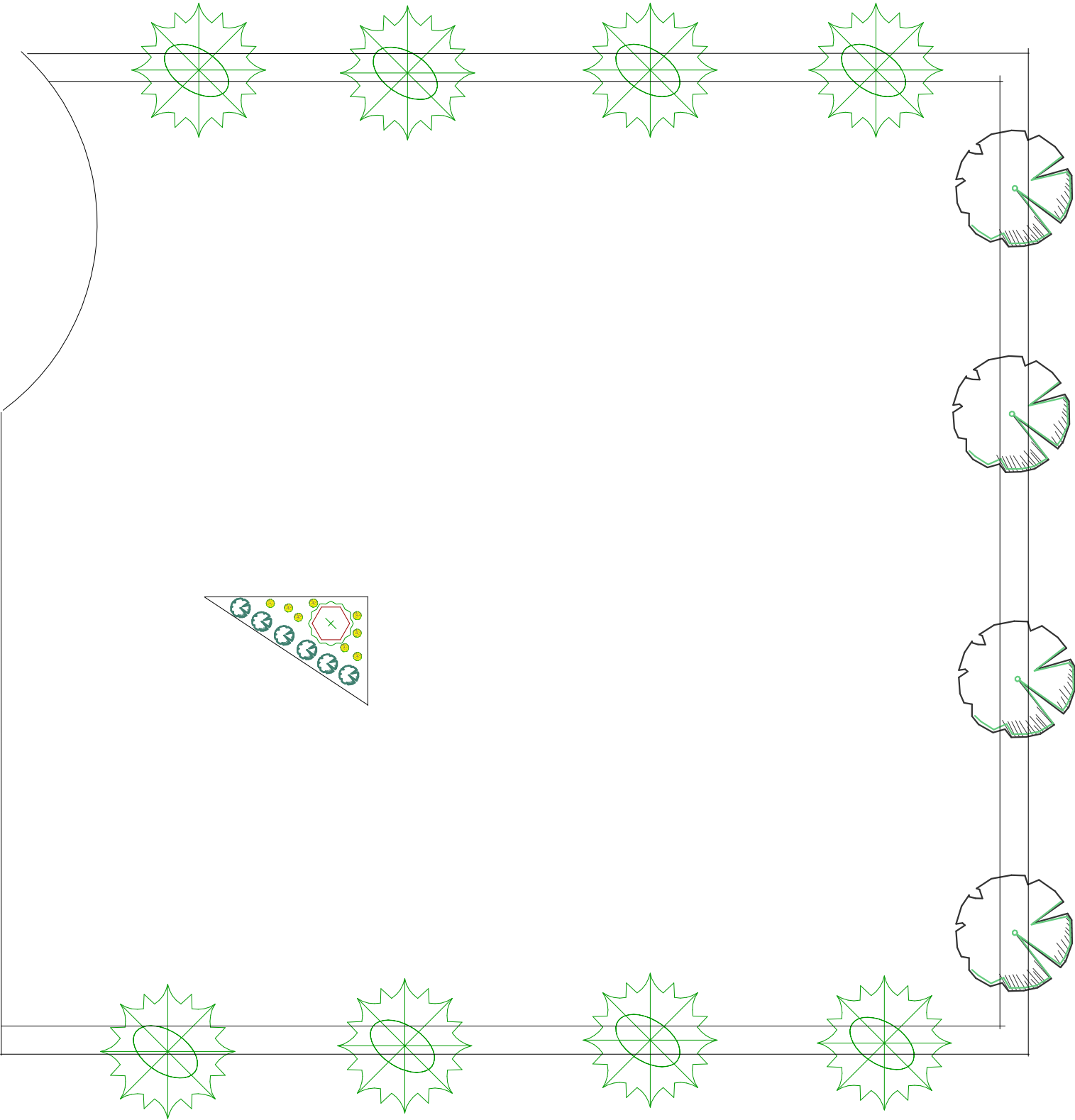
24. Elevations of the building(s) to be constructed (front, rear, side): SEE ARCHITECTURAL DRAWINGS

25. Surface drainage plans for sites at ten thousand (10,000) square feet or more: DRAINAGE STUDY FOR CROSS COUNTRY FREIGHT SITE DEVELOPMENT, PREPARED BY WLC ENGINEERING AND SURVEYING, MARCH 10, 2025.

26. Pavement design report for parking areas: AS RECOMMENDED IN THE GEOTECHNICAL ENGINEERING REPORT FOR CROSS COUNTRY FREIGHT FACILITY, PREPARED BY JB ENGINEERS, FEBRUARY 18, 2025: LIGHT DUTY ASPHALT PAVEMENT 4" PMP/6" BASE; HEAVY DUTY ASPHALT PAVEMENT 5" PMP/8" BASE, CONCRETE PAVEMENT 6" CONCRETE/ 4" BASE.

27. Traffic study (if required by the City Engineer, Planning Staff, Planning and Zoning Boards or City Council): NONE PROPOSED

LEGEND		
○ RECOVERED BRASS CAP	□ EX ELECTRIC METER	_____ PROPERTY BOUNDARY
□ RECOVERED ALUM. CAP	□ EX ELECTRIC VAULT	— X — X — X — FENCE
□ RECOVERED REBAR	• EX CONDUIT RISER	_____ ℄ ROAD
○ RECOVERED IRON PIPE	⊙ EX SANITARY MANHOLE	_____ EX EDGE ASPHALT
□ RECOVERED CORNER	● EX SANITARY CLEANOUT	_____ EX EDGE CONCRETE
⬮ EX SIGN	● EX SEPTIC CLEANOUT	_____ EX EDGE GRAVEL
• EX MONITOR WELL	⊙ EX STORM MANHOLE	- - - - - EX FLOWLINE
○ EX TREE	■ EX STORM INLET	_____ EASEMENT
⊙ EX BUSH	➔ EX TELEPHONE MARKER	_____ 5280 EX CONTOUR MAJOR
◆ EX BORE HOLE	⊞ EX TELEPHONE PEDESTAL	_____ 5281 EX CONTOUR MINOR
□ EX TV PEDESTAL	○ EX TELEPHONE MANHOLE	— FO — FO — FO — EX FIBER
⊙ EX TV RECEIVER	□ EX TELEPHONE PULLBOX	— — — — — — — — EX PIPELINE
□ EX GAS METER	○ EX TRAFFIC SIGNAL	— G — G — G — EX GASLINE
• EX GAS VALVE	□ EX TRAFFIC CONTROL BOX	— P — P — P — EX POWERLINE
• EX GAS RISER	⌵ EX WATER VALVE	_____ ST — EX STORM SEWER
➔ EX PIPELINE MARKER	⊙ EX FIRE HYDRANT	_____ SA — EX SANITARY SEWER
□ EX TEST LEAD	● EX CURB STOP	— T — T — T — EX TELEPHONE
○ EX POWER POLE	● EX SPIGOT	_____ W — EX WATERLINE
□ EX POWER TRANSFORMER	⊙ EX WATER METER	— C — C — C — EX CABLE TV
☀ EX LIGHT POLE	□ EX SPRINKLER VALVE BOX	— OP — OP — OP — EX OVERHEAD POWER
□ EX CATHODIC TEST	• EX SPRINKLER HEAD	— X — X — X — CHAIN LINK FENCE
○ EX GUY POLE	⊙ EX WATER MANHOLE	_____ PROP EDGE ASPHALT
↑ EX GUY ANCHOR	≡ EX GAS PUMP	_____ PROP EDGE CONCRETE
○ EX SWITCH POLE	○ PROP SANITARY PUMP	_____ 5280 PROP CONTOUR MAJOR
		_____ 5281 PROP CONTOUR MINOR
		— G — G — G — PROP GASLINE
		— P — P — P — PROP POWERLINE
		_____ ST — PROP STORM SEWER
		— FM — PROP SANITARY SEWER
		_____ W — PROP WATERLINE



LEGEND		
	COMMON NAME	QTY
SHRUB, DECIDUOUS		
	POTENTILLA, GOLD DROP	10
SHRUB, EVERGREEN CONIFER		
	JUNIPER, BLUE CHIP	6
TREE, DECIDUOUS		
	ASH, AUTUMN PURPLE	4
	HONEY LOCUST SHADEMASTER	8
	MAPLE, HOTWINGS TATARIAN	1

Revision #:
Date: 4/2/2025

Scale:
1" = 50'

Landscape Plan: Cross Country Freight
Cross Country Freight

Landscape Design by: Don Stoner
Stoner Lawn and Landscape



CASPER
200 PRONGHORN
CASPER, WY 82601
P: 307-266-2524

Drainage Study for Cross Country Freight Site Development

**999 TKS Court
Mills, WY**

Prepared for: Caspar Building Systems

Prepared by: Jason Meyers, PE

Date: March 10, 2025

INTRODUCTION

The proposed Cross Country Freight site development is located at 999 TKS Court, Mills, WY. The site encompasses approximately 5.0 acres of undeveloped land on Lots 11 and 12 of the Opportunity Subdivision to the City of Mills. The proposed development will include a 4,375 SF warehouse building and asphalt surfacing.

The Drainage Study will evaluate the pre-development runoff characteristics, post-development runoff characteristics, and determine stormwater detention requirements.

ANALYSIS PROCEDURE

The planning, design, and analysis of the existing and proposed improvements is conducted in accordance with the requirements and recommendations set forth in the City of Casper Storm Water Management Design Manual (SWMDM). Topography and existing improvements were collected through field survey information and available GIS information. This information is used to calculate the contributing basin drainage areas, ground slopes, and the ratio of improved and unimproved areas. The storm water runoff analysis for the pre-development and post-development conditions is conducted using the Rational Method. The use of this method is recommended for analysis of runoff for areas less than 200 acres. The detention pond analysis and outlet is modeled using Hydrology Studio software.

PRE DEVELOPMENT CONDITIONS

The site consists of one drainage basin. The Basin delineation is presented on the attached Pre-Developed Conditions drawing.

The Pre Development basin encompasses 5.0 acres and is undeveloped land with native grass cover. The basin slopes generally from the north-east to the south-west with slopes ranging from 3.2% to 0.6%. The runoff coefficient used for analysis is 0.3.

CASPER

RAWLINS

DEDICATED TO CLIENTS. REFINED BY EXCELLENCE.

The peak 10-year and 100-year runoff rates are 1.7 cfs and 3.3 cfs, respectively. These runoff rates are used to determine the peak post development release rates from the site.

POST DEVELOPMENT CONDITIONS

The post development is the same as the pre development basin in size and general slope. The post development basin includes 60% of building roof and hard surfacing. The remaining 40% of the basin is undisturbed native grass. The combined runoff coefficient used for analysis is 0.66.

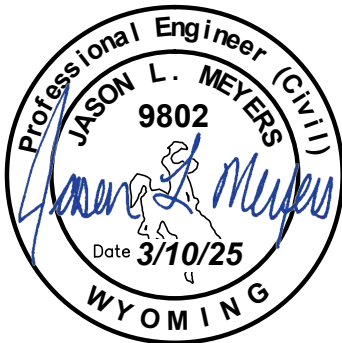
The peak 10-year and 100-year runoff rates are 6.6 cfs and 11.7 cfs, respectively. Runoff is directed overland to the south-west corner of the site to a proposed stormwater detention pond.

The stormwater detention bottom elevation is 5293.0' and an overflow elevation of 5294.0' for a total volume of 7,300 cubic feet (CF). The outlet of the pond is a 10" culvert discharging to the west. The 10-year discharge is 1.9 cfs. See Appendix A for pond routing

Storm runoff greater than the 10-year event will overtop the pond to the west.

CONCLUSION

This drainage study addresses the pre-development and post-development runoff from the proposed Cross Country Freight site. The proposed stormwater detention area and discharge structure releases 10-year runoff rates at pre-development rates.



Jason Meyers, PE

Hydrograph Report

Hydrology Studio v 3.0.0.35

APPENDIX A

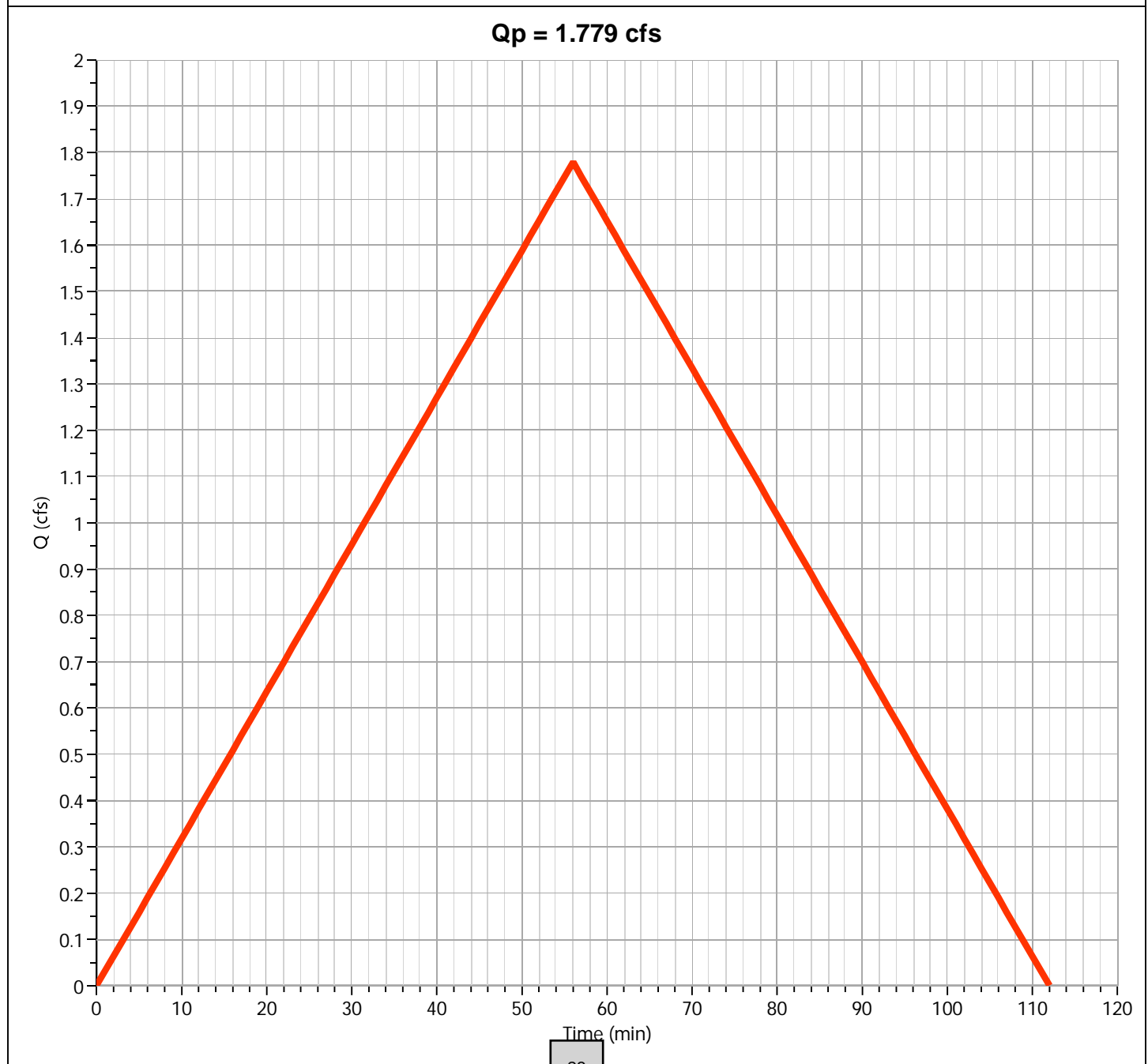
Item #2.

File: CCF 2-28-25.hys
03-06-2025

Pre CCF SITE

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 1.779 cfs
Storm Frequency	= 10-yr	Time to Peak	= 56 min
Time Interval	= 1 min	Runoff Volume	= 5,977 cuft
Drainage Area	= 5.0 ac	Runoff Coeff.	= 0.3
Tc Method	= User	Time of Conc. (Tc)	= 56.0 min
IDF Curve	= CASPER IDF.idf	Intensity	= 1.19 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1



Hydrograph Report

Hydrology Studio v 3.0.0.35

Item #2.

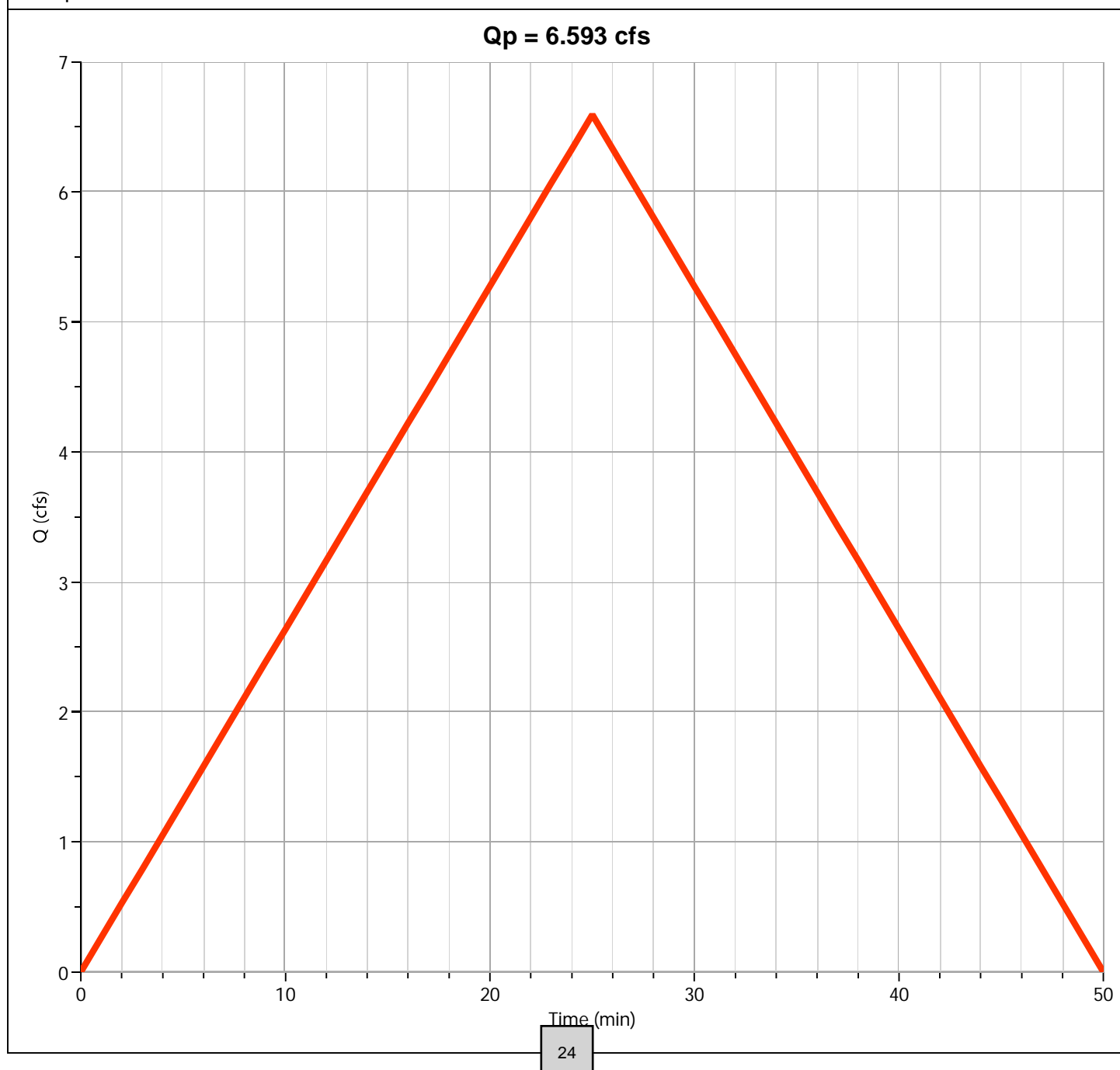
File: CCF 2-28-25.hys

03-06-2025

POST CCF SITE

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 6.593 cfs
Storm Frequency	= 10-yr	Time to Peak	= 25 min
Time Interval	= 1 min	Runoff Volume	= 9,890 cuft
Drainage Area	= 5.0 ac	Runoff Coeff.	= 0.66
Tc Method	= User	Time of Conc. (Tc)	= 25.0 min
IDF Curve	= CASPER IDF.idf	Intensity	= 2.00 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1



Hydrograph Report

Hydrology Studio v 3.0.0.35

Item #2.

File: CCF 2-28-25.hys

03-06-2025

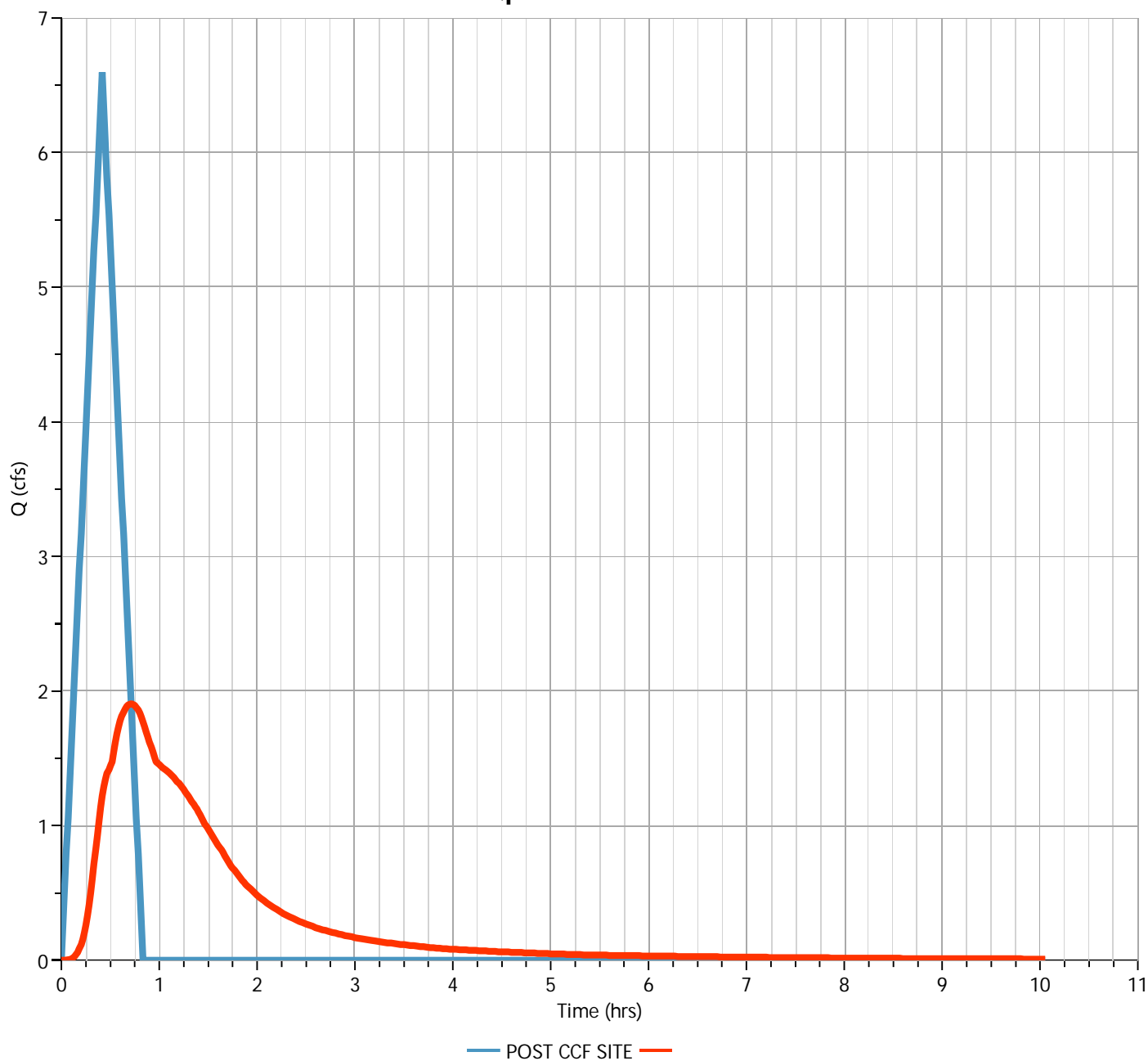
Hyd. No. 3

Hydrograph Type	= Pond Route	Peak Flow	= 1.907 cfs
Storm Frequency	= 10-yr	Time to Peak	= 43 min
Time Interval	= 1 min	Hydrograph Volume	= 9,858 cuft
Inflow Hydrograph	= 2 - POST CCF SITE	Max. Elevation	= 5293.99 ft
Pond Name	= DETENTION POND	Max. Storage	= 7,248 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 1.09 hrs

Qp = 1.907 cfs



Pond Report

Item #2.

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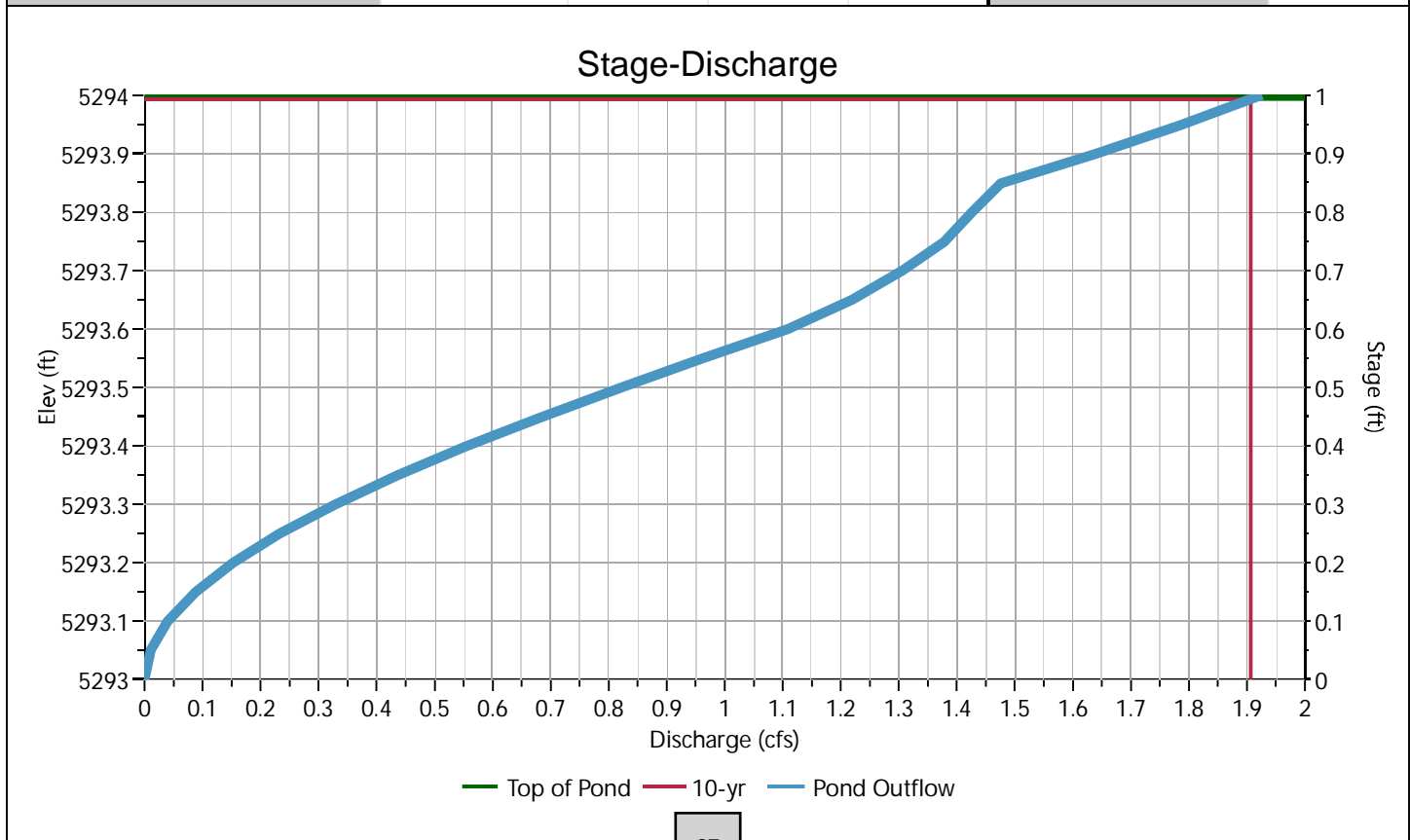
Hydrology Studio v 3.0.0.35

03-06-2025

DETENTION POND

Stage-Discharge

Culvert / Orifices	Culvert	Orifice			Perforated Riser
		1	2	3	
Rise, in	10				Hole Diameter, in
Span, in	10				No. holes
No. Barrels	1				Invert Elevation, ft
Invert Elevation, ft	5293.00				Height, ft
Orifice Coefficient, Co	0.60				Orifice Coefficient, Co
Length, ft	10				
Barrel Slope, %	2				
N-Value, n	0.013				
Weirs	Riser	Weir			Ancillary
		1	2	3	
Shape / Type					Exfiltration, in/hr
Crest Elevation, ft					
Crest Length, ft					
Angle, deg					
Weir Coefficient, Cw					



Stage-Storage-Discharge Summary

28

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Hydrograph Report

Hydrology Studio v 3.0.0.35

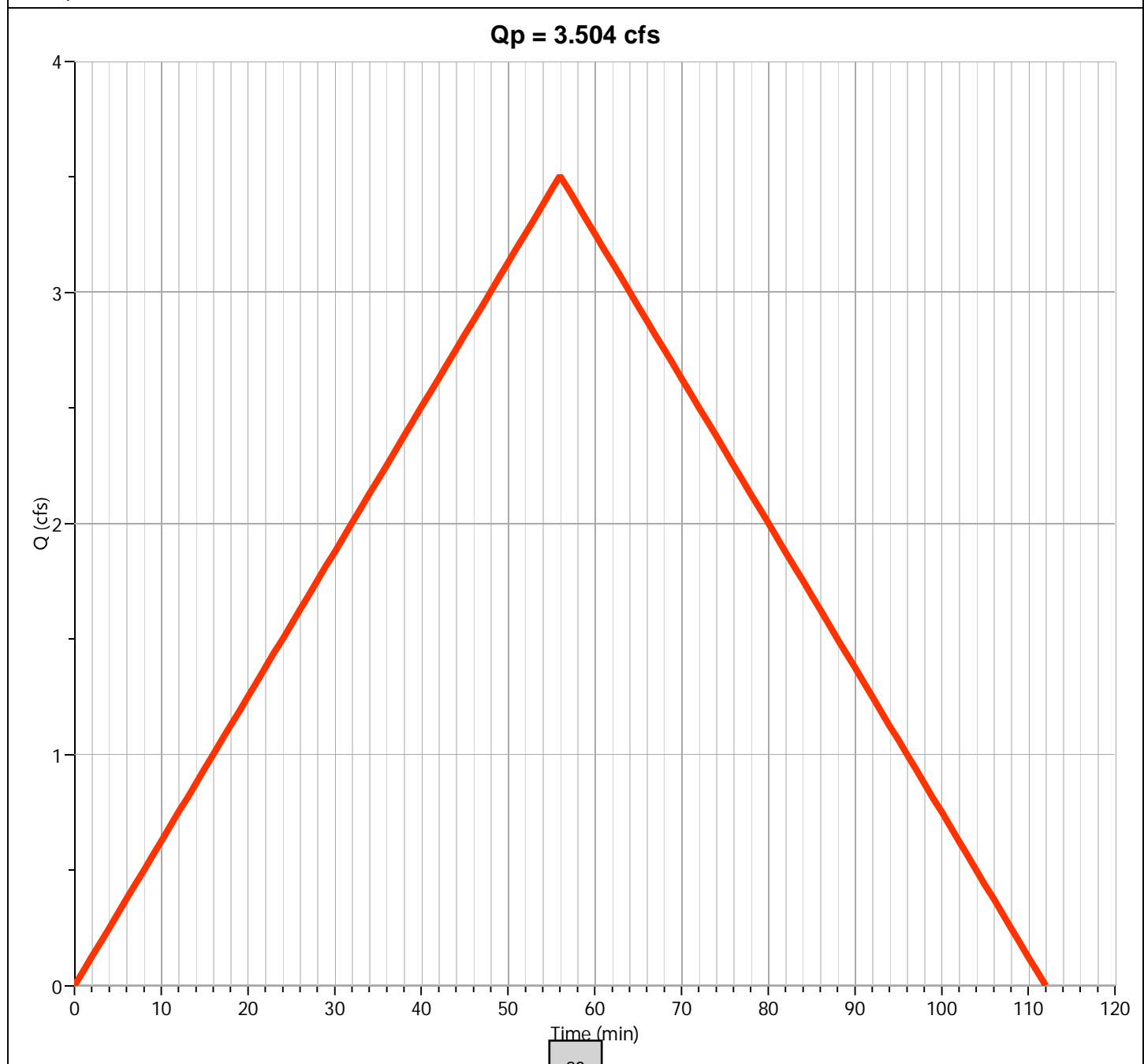
Item #2.

File: CCF 2-28-25.hys
03-06-2025

Pre CCF SITE

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 3.504 cfs
Storm Frequency	= 100-yr	Time to Peak	= 56 min
Time Interval	= 1 min	Runoff Volume	= 11,775 cuft
Drainage Area	= 5.0 ac	Runoff Coeff.	= 0.3
Tc Method	= User	Time of Conc. (Tc)	= 56.0 min
IDF Curve	= CASPER IDF.idf	Intensity	= 1.87 in/hr
Freq. Corr. Factor	= 1.25	Asc/Rec Limb Factors	= 1/1



Hydrograph Report

Hydrology Studio v 3.0.0.35

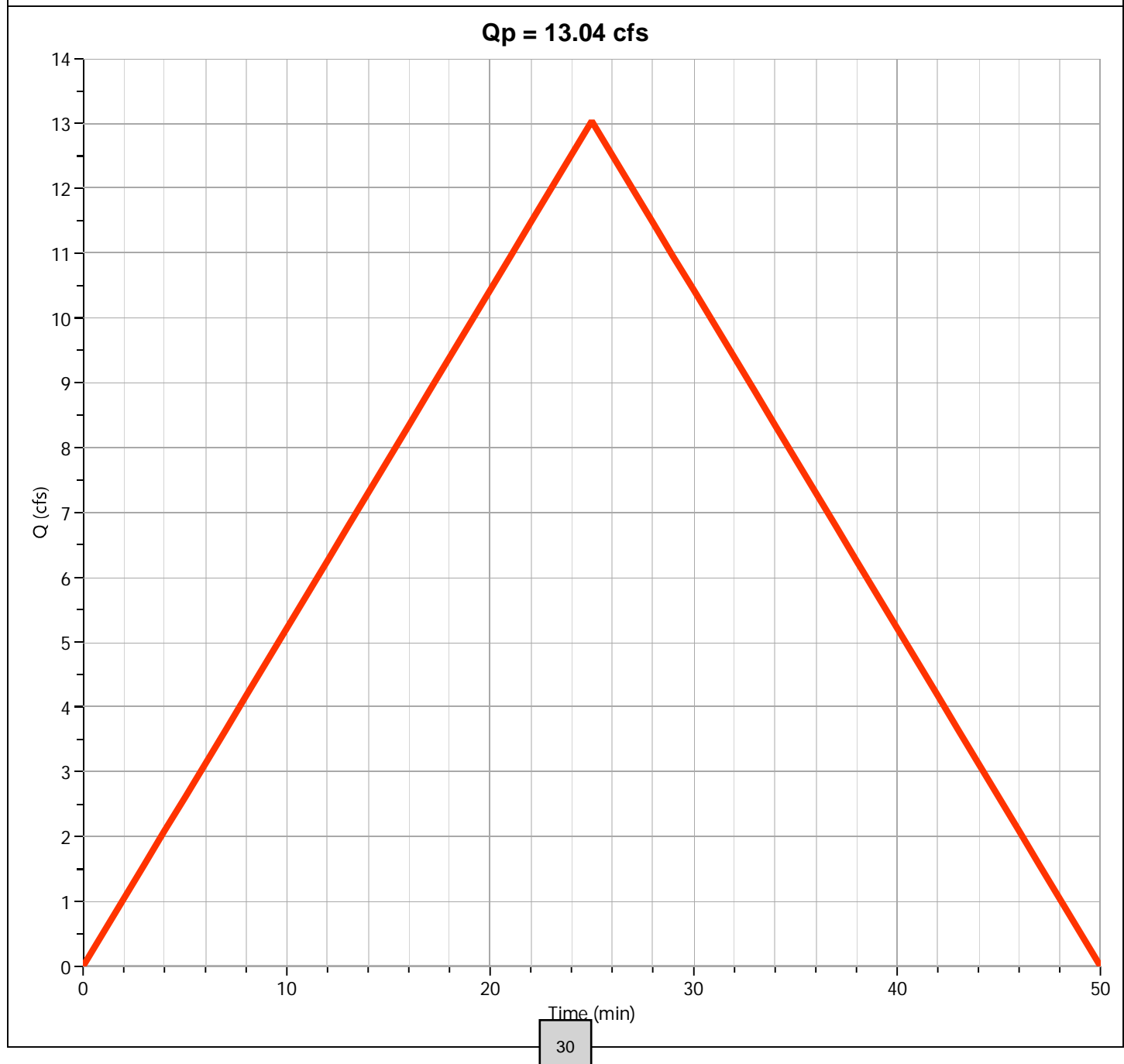
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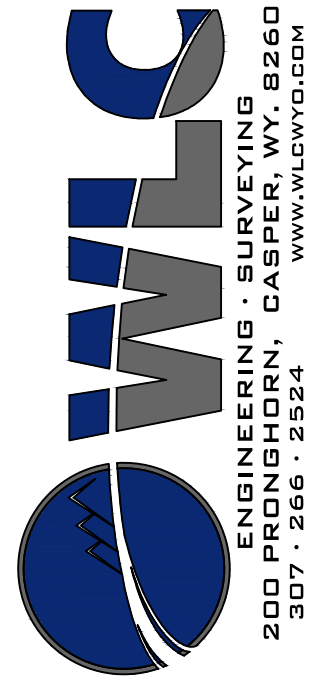
File: CCF 2-28-25.hys
03-06-2025

POST CCF SITE

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 13.04 cfs
Storm Frequency	= 100-yr	Time to Peak	= 25 min
Time Interval	= 1 min	Runoff Volume	= 19,556 cuft
Drainage Area	= 5.0 ac	Runoff Coeff.	= 0.66
Tc Method	= User	Time of Conc. (Tc)	= 25.0 min
IDF Curve	= CASPER IDF.idf	Intensity	= 3.16 in/hr
Freq. Corr. Factor	= 1.25	Asc/Rec Limb Factors	= 1/1





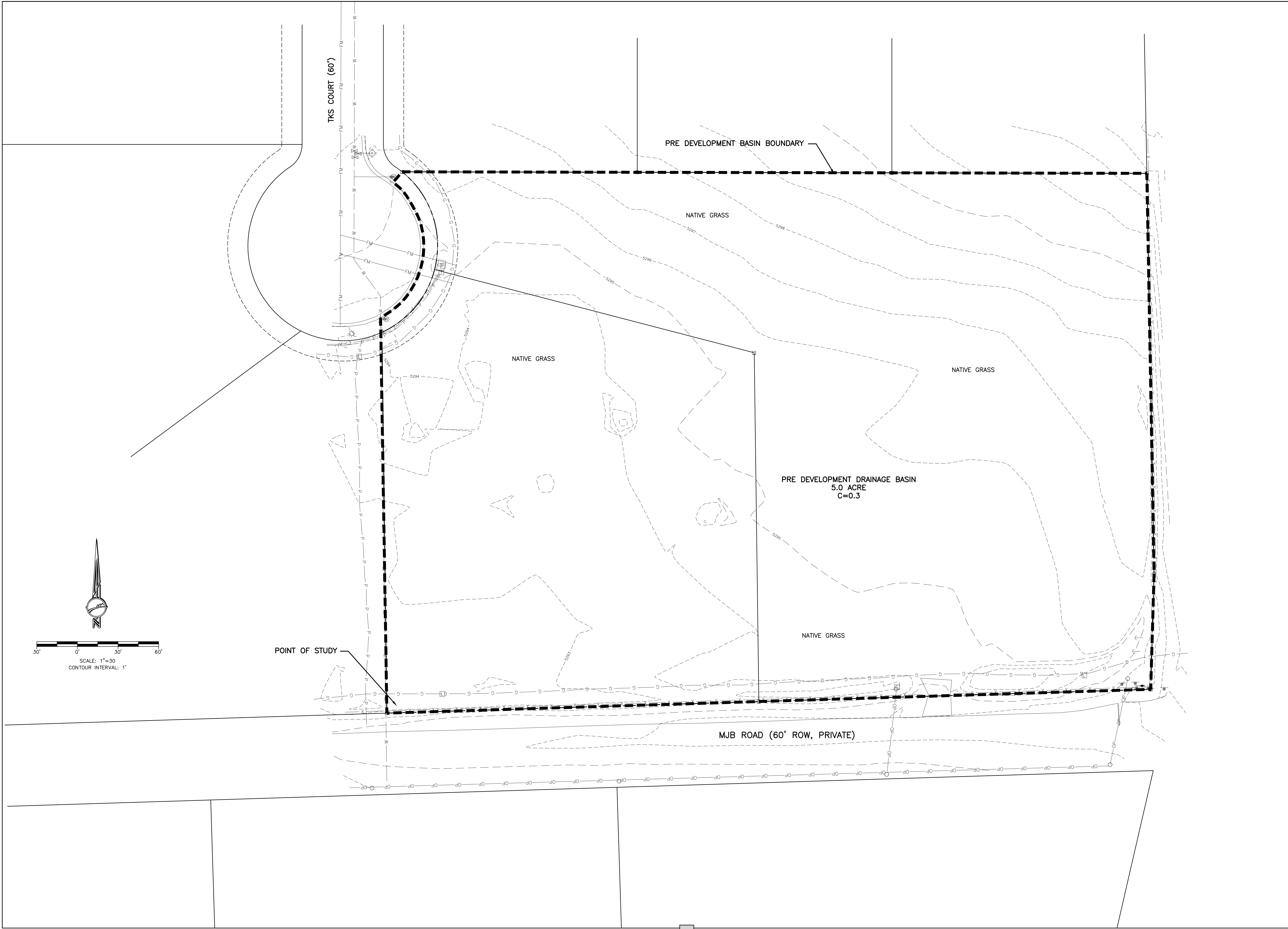
Drawg. By: JLM W.O. No.: 18041
Chk. By: FGF Book No.:
Acad File: CCF DESIGN_CURRENT.dwg

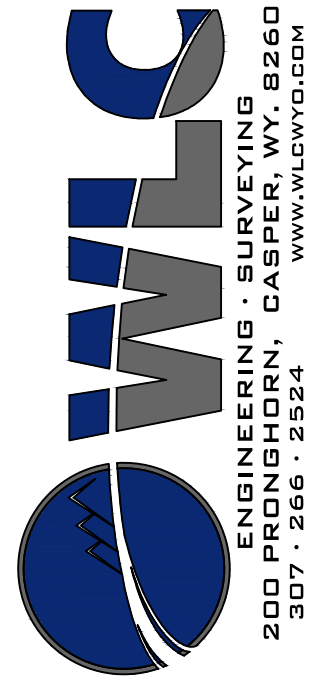
FOR: CASPAR BUILDING SYSTEMS
1975 SALT CREEK HWY
CASPER, WY 82601

REVISIONS

CROSS COUNTRY FREIGHT
PRE DEVELOPMENT DRAINAGE BASIN

SHEET NO.
1 OF 1
DATE:
3/6/25





Drwg. By: JLM W.O. No.: 18041
Chk. By: FGF Book No.:
Acad File: CCF DESIGN_CURRENT.dwg

FOR: CASPAR BUILDING SYSTEMS
1975 SALT CREEK HWY
CASPER, WY 82601

REVISIONS

CROSS COUNTRY FREIGHT
POST DEVELOPMENT DRAINAGE BASIN

SHEET NO.
1 OF 1
DATE:
3/6/25



VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual Comfort - Option for Size 2 and Size 3
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, and LightGRID+.
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada



CONTROL TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 2700K, 3000K, 3500K, 4000K and 5000K CCTs
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions.

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V input is available in most wattage, 480V is available for 55W and above.
- Ambient operating temperature -40°C to 40°C
- Driver RoHS and IP66
- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard. Select CD (Customer Dimming) for the dimming wires to be extended outside the fixture.

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor

CONTROLS CONTINUED

- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -20°C to 40°C.
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor.

CERTIFICATIONS

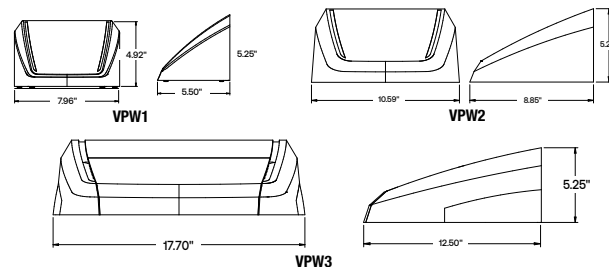
- Certified to UL 1598 and CSA 22.2#250.0-24
- IP65 rated housing
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225- 11). See Buy America(n) Solutions (link to <https://http://www.currentlighting.com/resources/americasolutions>).
- DarkSky approved with 3000K CCT or warmer

WARRANTY

- 5 year limited warranty

DATE:	LOCATION:	Item #2.
TYPE:	PROJECT:	
CATALOG #:		

MICRO STRIKE | STRIKE OPTICS



	Weight
VPW1	4.1 lbs / 1.86 kg
VPW2	7.15 lbs / 3.24 kg
VPW3	17.1 lbs / 7.80 kg

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

ORDERING GUIDE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Item #2.

Example: VPW1-24L-10-3K7-2-UNV-BLS

CATALOG #

Series	# LEDs - Wattage	CCT/CRI	Distribution	Voltage	Color
VPW1 Viper Wall 1	24L-10 1,000 Lumens	27K8 2700K, 80 CRI ¹⁶	FR Auto Front Row ^{7,15}	UNV 120-277V	BLT Black Matte Textured
	24L-15 2,000 Lumens	3K7 3000K, 70 CRI ¹⁶	2 IES TYPE 2	120 120V	BLS Black Gloss Smooth
	24L-25 3,000 Lumens	4K7 4000K, 70 CRI	3 IES TYPE 3	208 208V	DBT Dark Bronze Matte Textured
	48L-15 2,000 Lumens	5K7 5000K, 70 CRI	4F IES TYPE 4 Forward	240 240V	DBS Dark Bronze Gloss Smooth
VPW2 Viper Wall 2	48L-20 3,000 Lumens	3K8 3000K, 80 CRI	4W IES TYPE 4W	277 277V	GTT Graphite Matte Textured
	48L-30 4,000 Lumens	35K8 3500K, 80 CRI		347 347V	LGS Light Grey Gloss Smooth
	48L-35 5,000 Lumens	4K8 4000K, 80 CRI		480 480V	LGT Light Grey Matte Textured
	48L-45 6,000 Lumens	5K8 5000K, 80 CRI			PSS Platinum Silver Smooth
	80L-20 3,000 Lumens	AP Phosphor Converted Amber ¹			WHT White Matte Textured
	80L-25 4,000 Lumens				WHS White Gloss Smooth
	80L-35 5,000 Lumens				VGT Verde Green Textured
	80L-45 6,000 Lumens				Color Option
	80L-55 7,000 Lumens				CC Custom Color
	80L-65 8,000 Lumens				
	80L-70 8,500 Lumens				
	18L-25 3,000 Lumens, Strike Optics				
	18L-30 4,000 Lumens, Strike Optics				
	18L-39 4,750 Lumens, Strike Optics				
	18L-50 6,000 Lumens, Strike Optics				
	18L-60 6,500 Lumens, Strike Optics				
VPW3 Viper Wall 3	160L-45 7,000 Lumens				
	160L-70 10,000 Lumens				
	160L-95 12,500 Lumens				
	160L-105 15,000 Lumens				
	160L-135 17,500 Lumens				
	160L-155 20,000 Lumens				
	36L-55 7,000 Lumens, Strike Optics				
	36L-80 9,500 Lumens, Strike Optics				
	36L-100 11,500 Lumens, Strike Optics				
	36L-120 13,000 Lumens, Strike Optics				

Control Options Network^{3,7,11,13}

NXWS12F	NX Networked Wireless Enabled Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ¹⁴
NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXWS24F	NX Networked Wireless Enabled Integral NXSMP2-OMNI-HM PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ⁹
NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor
WIR	LightGRID+ In-Fixture Module ⁹
WIRSC	LightGRID+ In-Fixture Module with BTS occupancy ⁹

Stand Alone Sensors^{7,11,13}

BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,9}
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor ^{4,9}
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12' mounting height ¹⁴

Photocontrol¹³

PC	Button Photocontrol 120-277V
-----------	------------------------------

Options

F	Fusing ^{5,7}
E	Battery ^{6,7,8}
EH	Battery with Heater ^{6,7,8}
CS	Comfort Shield ^{7,10}
SP	10kA Surge Protector
2PF	Dual Power Feed ^{2,7,8}
2DR	Dual Driver ^{2,7,8}
CD	Customer Dimming ¹²
DTS	Dimming Transfer Switch ⁷

Notes:

- Available with Micro Strike Optics only
- Not available with 480V in Size 1 and Size 2
- Networked controls cannot be combined with other control options
- Not available with VPW1 or with 2PF or 2DR options
- Must specify voltage (VPW1 & VPW2: 120V, 277V or 347V; VPW3: 120V, 208V, 240V, 277V, 347V or 480V)
- See page 10 for detail Battery configurations
- Not available in VPW1
- 2PF can't be combined with E or EH; 2DR can't be combined with E or EH in VPW2
- Not available in VPW1 and VPW2
- Not available with Micro Strike 24L and 48L. Not available with Strike 18L and 36L
- Not available with 2PF
- Not available with Network Control options or Stand Alone Sensors. Can be ordered with PC
- Not available in 480V in VPW2; Only available in 480V in VPW3 in 80W, 100W, 120W, 135W and 155W
- NXWS12F and BTSO-12F are the only sensors available in VPW2
- Available with Strike Optics only (18L or 36L)
- DarkSky approved with 3000K CCT or warmer

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
<input type="checkbox"/> WP-BB-XXX	Back Box Accessory for conduit entry ¹
<input type="checkbox"/> CS	Comfort Shield ²








Notes:

- replace "xxx" with color option
- Not available with Micro Strike 24L and 48L or Strike 18L and 36L

CONTROLS FUNCTIONALITY

OUTDOOR LIGHTING CONTROLS OPTIONS



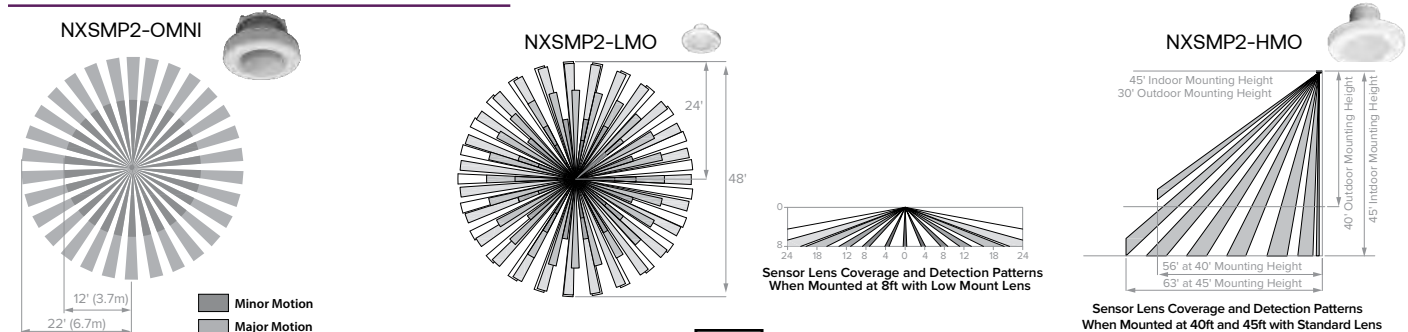
Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components	
		Networkable	Grouping	Scheduling	Occupancy/Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height		
NX Wireless	NXW	✓	✓	✓	—	—	✓	✓	✓	—		NXRM2-H
	NXWS16F	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	✓	—	✓	—	—	✓	✓	Gateway	—		WIR
Independent	BTSO-12F	—	—	—	✓	✓	✓	✓	✓	12ft		BTSMO-OMNI-O
	BTS-14F	—	—	—	✓	✓	✓	✓	✓	14ft		BTSMO-LMO
	BTS-40F	—	—	—	✓	✓	✓	✓	✓	40ft		BTSMO-HMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	Off
	*Passcode Factory Passcode: HubbN3T!	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0% (Off)
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&gl=US



Apple App



Google Play

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature	Lumen Multiplier
0°C / 32°F	1.03
10°C / 50°F	1.01
20°C / 68°F	1.00
25°C / 77°F	1.00
30°C / 86°F	0.99
40°C / 104°F	0.98
50°C / 122°F	0.97

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	OPERATING HOURS		
	0	25,000	TM-21-22 60,000
25°C / 77°F	1.00	0.91	0.83
40°C / 104°F	0.99	0.90	0.82

Lumen maintenance values calculated per TM-21 using six times the LM-80 test time for the LED and in-situ thermal testing of the luminaire.

MULTIPLIER

Micro Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	–	0.841	–
3000K	0.977	0.861	0.647
3500K	–	0.900	–
4000K	1	0.926	0.699
5000K	1	0.937	0.791
Monochromatic Amber Multiplier			
Amber	0.710		

Strike Lumen Multiplier			
CCT	70 CRI	80 CRI	90 CRI
2700K	0.9	0.81	0.62
3000K	0.933	0.853	0.659
3500K	0.959	0.894	0.711
4000K	1	0.9	0.732
5000K	1	0.9	0.732
Monochromatic Amber Multiplier			
Amber	See Amber Spec Sheet		

PERFORMANCE DATA: MICROSTRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW1	24L	10	6.6	2	1068	141	0	0	0	1068	141	0	0	0	989	131	0	0	0
				3	1076	142	0	0	1	1076	142	0	0	1	997	131	0	0	1
				4F	1052	139	0	0	1	1052	139	0	0	1	974	129	0	0	1
				4W	1041	137	0	0	1	1041	137	0	0	1	964	127	0	0	1
		15	14	2	1993	129	1	0	0	1993	129	1	0	0	1845	119	1	0	0
				3	2008	130	1	0	1	2008	130	1	0	1	1859	120	0	0	1
				4F	1964	127	0	0	1	1964	127	0	0	1	1818	117	0	0	1
				4W	1943	125	1	0	1	1943	125	1	0	1	1799	116	0	0	1
		25	23.0	2	3055	125	1	0	1	3055	125	1	0	1	2828	116	1	0	1
				3	3078	126	1	0	1	3078	126	1	0	1	2850	117	1	0	1
				4F	3010	123	1	0	1	3010	123	1	0	1	2787	114	1	0	1
				4W	2978	122	1	0	1	2978	122	1	0	1	2757	113	1	0	1

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW2	48L	15	13.1	2	2139	145	1	0	1	2139	145	1	0	1	1981	134	1	0	1
				3	2163	146	1	0	1	2163	146	1	0	1	2003	135	1	0	1
				4F	2097	143	0	0	1	2097	143	0	0	1	1942	132	0	0	1
				4W	2101	143	1	0	1	2101	143	1	0	1	1946	132	0	0	1
		20	20.5	2	2973	141	1	0	1	2973	141	1	0	1	2753	130	1	0	1
				3	3007	142	1	0	1	3007	142	1	0	1	2784	132	1	0	1
				4F	2915	138	1	0	1	2915	138	1	0	1	2699	128	1	0	1
				4W	2921	138	1	0	1	2921	138	1	0	1	2705	128	1	0	1
		30	28.8	2	4000	137	1	0	1	4000	137	1	0	1	3704	126	1	0	1
				3	4045	138	1	0	1	4045	138	1	0	1	3745	128	1	0	1
				4F	3922	134	1	0	1	3922	134	1	0	1	3631	124	1	0	1
				4W	3930	134	1	0	2	3930	134	1	0	2	3638	124	1	0	1
		35	37.3	2	4997	134	1	0	1	4997	134	1	0	1	4627	124	1	0	1
				3	5053	135	1	0	2	5053	135	1	0	2	4679	125	1	0	1
				4F	4899	131	1	0	1	4899	131	1	0	1	4536	122	1	0	1
				4W	4909	132	1	0	2	4909	132	1	0	2	4545	122	1	0	2
		45	45.9	2	5990	127	1	0	1	5990	127	1	0	1	5546	118	1	0	1
				3	6057	128	1	0	2	6057	128	1	0	2	5608	119	1	0	2
				4F	5872	124	1	0	2	5872	124	1	0	2	5437	115	1	0	1
				4W	5884	125	1	0	2	5884	125	1	0	2	5448	115	1	0	2
	80L	20	19.4	2	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				3	3516	162	1	0	1	3516	162	1	0	1	3229	149	1	0	1
				4F	3485	161	1	0	1	3485	161	1	0	1	3200	147	1	0	1
				4W	3535	163	1	0	1	3535	163	1	0	1	3246	150	1	0	1
		25	26.7	2	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1
				3	4483	155	1	0	1	4483	155	1	0	1	4117	142	1	0	1
				4F	4443	154	1	0	1	4443	154	1	0	1	4080	141	1	0	1
				4W	4507	156	1	0	1	4507	156	1	0	1	4139	143	1	0	1
		35	34.2	2	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1
				3	5488	148	1	0	1	5488	148	1	0	1	5039	136	1	0	1
				4F	5438	147	1	0	1	5438	147	1	0	1	4994	135	1	0	1
				4W	5516	149	1	0	2	5516	149	1	0	2	5066	137	1	0	1
		45	41.7	2	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1
				3	6427	146	2	0	2	6427	146	2	0	2	5901	134	1	0	1
				4F	6369	145	1	0	1	6369	145	1	0	1	5848	133	1	0	1
				4W	6460	147	1	0	2	6460	147	1	0	2	5933	135	1	0	2
		55	50.6	2	7209	137	2	0	2	7209	137	2	0	2	6620	126	1	0	1
				3	7275	139	2	0	2	7275	139	2	0	2	6680	127	2	0	2
				4F	7209	137	1	0	1	7209	137	1	0	1	6620	126	1	0	1
				4W	7313	139	1	0	2	7313	139	1	0	2	6715	128	1	0	2
		65	58.3	2	7781	130	2	0	2	7781	130	2	0	2	7145	119	2	0	2
				3	7852	131	2	0	2	7852	131	2	0	2	7210	120	2	0	2
				4F	7781	130	2	0	1	7781	130	2	0	1	7145	119	1	0	1
				4W	7893	132	1	0	2	7893	132	1	0	2	7248	121	1	0	2
		70	63.5	2	8367	128	2	0	2	8367	128	2	0	2	7683	117	2	0	2
				3	8443	129	2	0	2	8443	129	2	0	2	7753	119	2	0	2
				4F	8367	128	2	0	1	8367	128	2	0	1	7683	117	2	0	1
				4W	8487	130	1	0	2	8487	130	1	0	2	7794	119	1	0	2

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

PERFORMANCE DATA: MICROSTRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	160L	45	46.2	2	7623	148	1	0	2	7623	148	1	0	2	7000	136	1	0	1
				3	7626	148	2	0	2	7626	148	2	0	2	7003	136	2	0	2
				4F	7590	147	2	0	1	7590	147	2	0	1	6970	135	1	0	1
				4W	7715	150	1	0	2	7715	150	1	0	2	7084	138	1	0	2
		70	68.3	2	10322	139	2	0	2	10322	139	2	0	2	9478	128	2	0	2
				3	10326	140	2	0	2	10326	140	2	0	2	9482	128	2	0	2
				4F	10277	139	2	0	2	10277	139	2	0	2	9437	128	2	0	2
				4W	10446	141	2	0	2	10446	141	2	0	2	9592	130	1	0	2
		95	91	2	12929	132	2	0	2	12929	132	2	0	2	11872	121	2	0	2
				3	12934	132	3	0	3	12934	132	3	0	3	11877	121	3	0	3
				4F	12873	131	2	0	2	12873	131	2	0	2	11821	120	2	0	2
				4W	13084	133	2	0	3	13084	133	2	0	3	12015	122	2	0	3
		105	106.3	2	15055	138	2	0	2	15055	138	2	0	2	13825	127	2	0	2
				3	15062	138	3	0	3	15062	138	3	0	3	13831	127	3	0	3
				4F	14991	138	2	0	2	14991	138	2	0	2	13766	127	2	0	2
				4W	15236	140	2	0	3	15236	140	2	0	3	13991	129	2	0	3
		135	134.8	2	17533	127	3	0	3	17533	127	3	0	3	16100	116	3	0	3
				3	17541	127	3	0	3	17541	127	3	0	3	16107	116	3	0	3
				4F	17457	126	2	0	2	17457	126	2	0	2	16031	116	2	0	2
				4W	17744	128	2	0	4	17744	128	2	0	4	16294	118	2	0	3
		155	158.3	2	20066	123	3	0	3	20066	123	3	0	3	18426	113	3	0	3
				3	20075	123	3	0	3	20075	123	3	0	3	18434	113	3	0	3
				4F	19980	123	3	0	3	19980	123	3	0	3	18347	113	2	0	2
				4W	20307	125	2	0	4	20307	125	2	0	4	18648	115	2	0	4

PERFORMANCE DATA: STRIKE

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW2	18L	25	22.6	2	3314	147	1	0	1	3298	146	1	0	G1	3171	140	1	0	1
				3	3356	148	1	0	1	3340	148	1	0	G1	3212	142	1	0	1
				4F	3367	149	0	0	1	3351	148	0	0	G1	3222	143	0	0	1
				4W	3361	149	1	0	2	3345	148	1	0	G2	3216	142	1	0	2
		30	31.3	2	4124	132	1	0	1	4104	131	1	0	G1	3946	126	1	0	1
				3	4176	133	1	0	2	4156	133	1	0	G2	3996	128	1	0	1
				4F	4189	134	1	0	1	4169	133	1	0	G1	4009	128	1	0	1
				4W	4182	134	1	0	2	4162	133	1	0	G2	4002	128	1	0	2
		39	38.8	2	4894	126	1	0	1	4870	126	1	0	G1	4683	121	1	0	1
				3	4956	128	1	0	2	4932	127	1	0	G2	4742	122	1	0	2
				4F	4972	128	1	0	2	4948	128	1	0	G2	4758	123	1	0	2
				4W	4963	128	1	0	2	4939	127	1	0	G2	4749	122	1	0	2
		50	52.6	2	6325	120	1	0	1	6295	120	1	0	G1	6052	115	1	0	1
				3	6405	122	1	0	2	6374	121	1	0	G2	6129	117	1	0	2
				4F	6426	122	1	0	2	6395	122	1	0	G2	6149	117	1	0	2
				4W	6414	122	1	0	3	6384	121	1	0	G3	6138	117	1	0	3
		60	60.4	2	6865	114	1	0	2	6832	113	1	0	G2	6569	109	1	0	2
				3	6952	115	1	0	2	6919	115	1	0	G2	6652	110	1	0	2
				4F	6974	115	1	0	2	6941	115	1	0	G2	6674	110	1	0	2
				4W	6962	115	1	0	3	6929	115	1	0	G3	6662	110	1	0	3

PERFORMANCE DATA: STRIKE CONT'D

Description	# of LEDs	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
					Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
VPW3	36L	55	63.1	2	7284	135	1	0	2	7249	134	1	0	G2	6970	129	1	0	2
				3	7376	137	1	0	2	7341	136	1	0	G2	7058	131	1	0	2
				4F	7400	137	1	0	2	7364	137	1	0	G2	7081	131	1	0	2
				4W	7387	137	1	0	3	7351	136	1	0	G3	7069	131	1	0	3
		80	77.6	2	9788	126	2	0	2	9741	126	2	0	G2	9366	121	2	0	2
				3	9912	128	1	0	3	9864	127	1	0	G3	9485	122	1	0	3
				4F	9944	128	1	0	2	9896	128	1	0	G2	9516	123	1	0	2
				4W	9926	128	1	0	3	9879	127	1	0	G3	9499	122	1	0	3
		105	108.2	2	12650	128	2	0	2	12589	127	2	0	G2	12105	122	2	0	2
				3	12810	130	2	0	3	12748	129	2	0	G3	12258	124	2	0	3
				4F	12851	130	1	0	3	12790	129	1	0	G3	12298	124	1	0	3
				4W	12829	130	2	0	3	12767	129	2	0	G3	12276	124	2	0	3
		120	120.9	2	13730	114	2	0	2	13664	113	2	0	G2	13138	109	2	0	2
				3	13904	115	2	0	3	13837	114	2	0	G3	13305	110	2	0	3
				4F	13949	115	1	0	3	13882	115	1	0	G3	13348	110	1	0	3
				4W	13924	115	2	0	4	13857	115	2	0	G4	13324	110	2	0	3

ELECTRICAL DATA: STRIKE

# OF LEDS	18L				
NOMINAL WATTAGE	25	30	39	50	60
SYSTEM POWER (W)	22.6	31.3	38.8	52.6	60.4
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.21	0.26	0.32	0.44	0.50
208	0.12	0.15	0.19	0.25	0.29
240	0.10	0.13	0.16	0.22	0.25
277	0.09	0.11	0.14	0.19	0.22
347	0.07	0.09	0.11	0.15	0.17
480	0.05	0.07	0.08	0.11	0.13

# OF LEDS	36L			
NOMINAL WATTAGE	55	80	100	120
SYSTEM POWER (W)	53.9	77.6	98.9	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)			
120	0.45	0.65	0.82	1.01
208	0.26	0.37	0.48	0.58
240	0.22	0.32	0.41	0.50
277	0.19	0.28	0.36	0.44
347	0.16	0.22	0.29	0.35
480	0.11	0.16	0.21	0.25

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

ELECTRICAL DATA: MICROSTRIKE

# OF LEDS	24L		
NOMINAL WATTAGE	10	15	25
SYSTEM POWER (W)	6.6	14.0	23.0
INPUT VOLTAGE (V)	CURRENT (Amps)		
120	0.06	0.12	0.19
208	0.03	0.07	0.11
240	0.03	0.06	0.10
277	0.02	0.05	0.08
347	0.02	0.04	0.07
480	0.01	0.03	0.05

# OF LEDS	48L				
NOMINAL WATTAGE	15	20	30	35	45
SYSTEM POWER (W)	13.1	20.5	28.8	37.3	45.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.11	0.17	0.24	0.31	0.38
208	0.06	0.10	0.14	0.18	0.22
240	0.05	0.09	0.12	0.16	0.19
277	0.05	0.07	0.10	0.13	0.17
347	0.04	0.06	0.08	0.11	0.13
480	0.03	0.04	0.06	0.08	0.10

# OF LEDS	80L						
NOMINAL WATTAGE	20	25	35	45	55	65	70
SYSTEM POWER (W)	19.4	26.7	34.2	41.7	50.6	58.3	63.5
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.16	0.22	0.29	0.35	0.42	0.49	0.53
208	0.10	0.13	0.18	0.22	0.27	0.28	0.31
240	0.08	0.12	0.15	0.19	0.24	0.24	0.26
277	0.07	0.10	0.13	0.17	0.21	0.21	0.23
347	0.06	0.08	0.11	0.13	0.16	0.17	0.18
480	0.04	0.06	0.08	0.10	0.12	0.12	0.13

# OF LEDS	160L					
NOMINAL WATTAGE	45	70	95	105	135	155
SYSTEM POWER (W)	46.2	68.3	91	106.3	134.8	158.3
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	0.39	0.57	0.76	0.89	1.12	1.32
208	0.22	0.33	0.44	0.51	0.65	0.76
240	0.19	0.28	0.38	0.44	0.56	0.66
277	0.17	0.25	0.33	0.38	0.49	0.57
347	0.13	0.20	0.26	0.31	0.39	0.46
480	0.10	0.14	0.19	0.22	0.28	0.33

VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

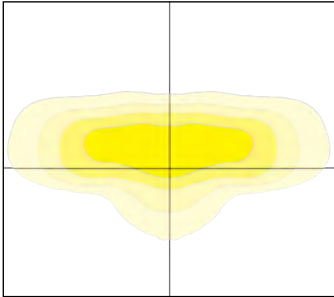
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Item #2.

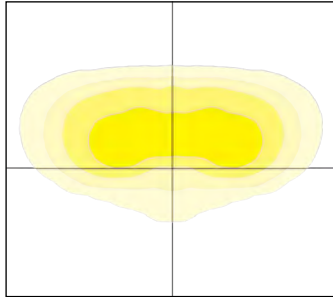
PHOTOMETRY

Mounting Height: 10ft

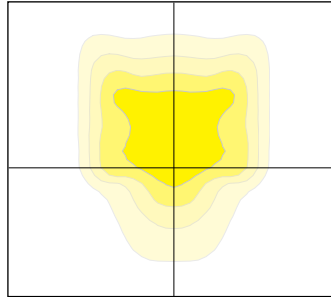
Type 2



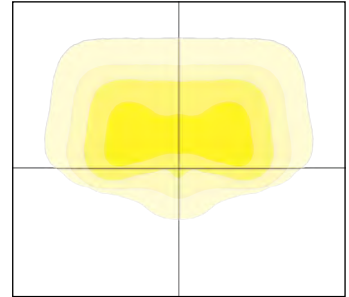
Type 3



Type 4F

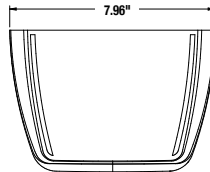
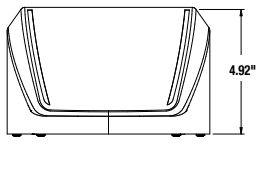


Type 4W

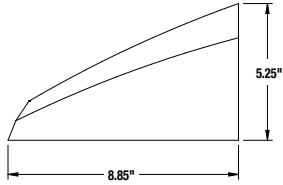
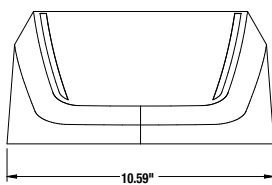


DIMENSIONS

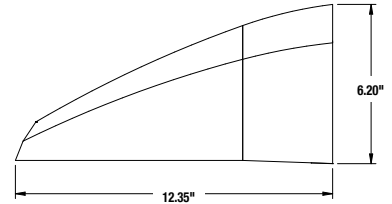
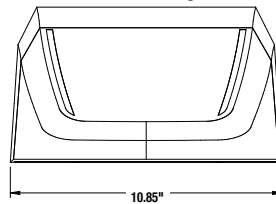
VPW1



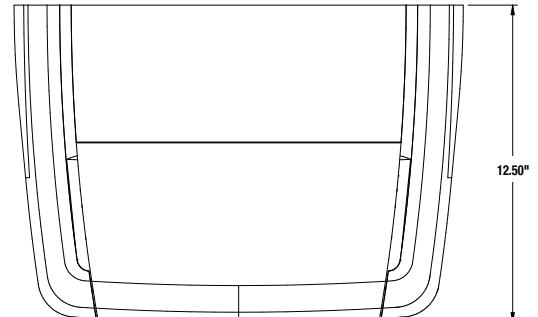
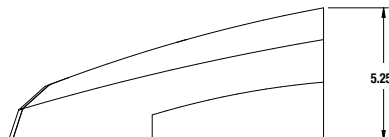
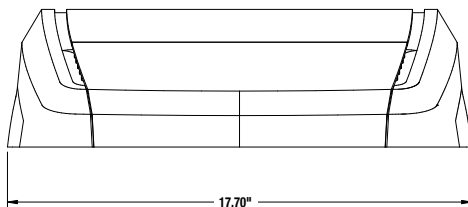
VPW2



VPW2 with Battery Back Box



VPW3



VIPER Wall

VPW1/VPW2/VPW3 LED WALLPACK

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Item #2.

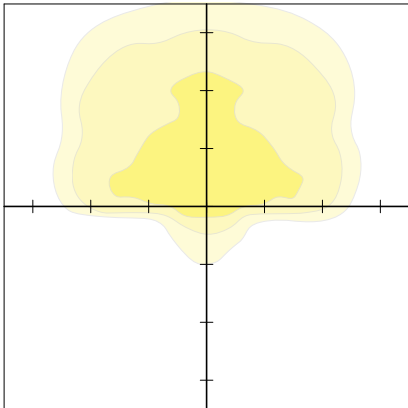
BATTERY OPTIONS & HOUSING SIZES

SIZE	OPTICS	OPTION	BATTERY WATTAGE	FIXTURE WATTAGES	HOUSING
VPW1	NO BATTERY OFFERED				
VPW2	Micro Strike	E	10W	20W, 25W, 35W	Standard
	Micro Strike	E	10W	45W, 55W, 65W, 70W	Not offered
	Micro Strike	EH	13W	20W, 25W, 35W, 45W, 55W, 65W, 70W	Housing with Backbox
	Strike	E	10W	15W, 20W, 25W, 35W, 39W	Standard
	Strike	E	10W	50W, 60W	Not offered
	Strike	EH	13W	15W, 20W, 25W, 30W, 39W, 50W, 60W	Housing with Backbox
VPW3	Micro Strike	E	10W	Not offered	
	Micro Strike	EH	13W	45W, 70W, 95W	Standard
	Micro Strike	EH	13W	105W, 135W, 155W	Not offered
	Strike	E	10W	Not offered	
	Strike	EH	13W	55W, 80W, 100W	Standard
	Strike	EH	13W	120W	Not offered

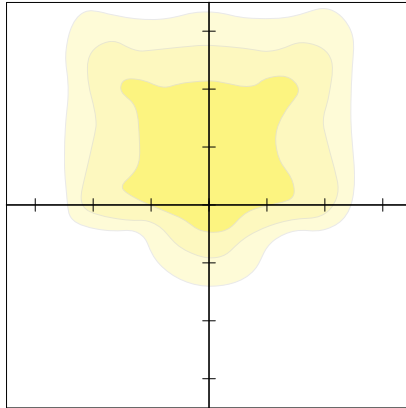
PHOTOMETRY - BATTERY

Mounting Height: 12ft
Scale: 10ft

18L BATTERY PHOTOMETRY



80L BATTERY PHOTOMETRY



SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

Item #2.

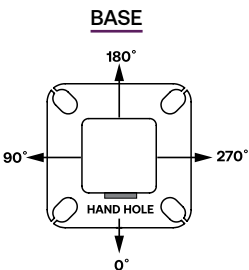
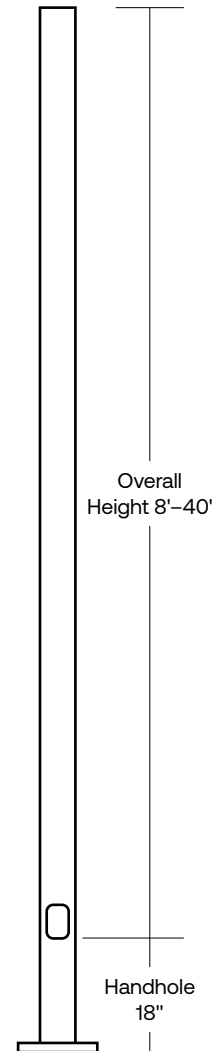
SPECIFICATIONS

CONSTRUCTION

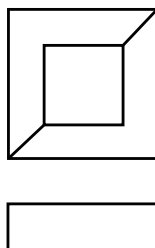
- Shaft: One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- Base cover: Two-piece square aluminum base cover included standard
- Pole cap: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- Hand hole: Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- Anchor bolts: Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
 - Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38
1 x 36 x 4 — TAB-36-M38
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

INSTALLATION

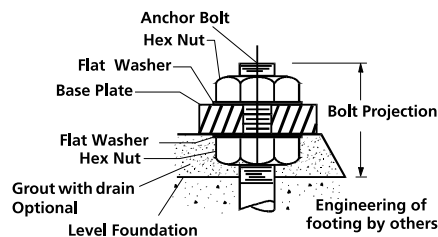
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location



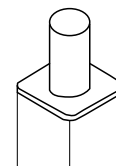
BASE COVER



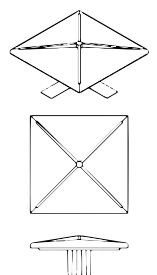
BASE DETAIL



TENON



POLE CAP



SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Item #2.

ORDERING INFORMATION

Example: SSS-B-25-40-A-2L-S2-DBT-UL

SSS-B	Height	Shaft	Thickness	Mounting	Drill Pattern	Finish	Options
Series	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix	Reference page 3 Ordering matrix				
SSS-B Square Straight Steel Pole Beacon			A - .125" Wall B - .188" Wall C - .250" Wall	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4" Tall) TB Tenon (2.88" OD x 4" Tall) TC Tenon (3.5" OD x 6" Tall) TR ¹ Removable Tenon (2.375" x 4.25") OT Open Top (includes pole cap)	B1 Cruiser, "AM" arm B3 2 bolt (2-1/2" spacing), Viper "A" arm S2 2 bolt (3-1/2" spacing), Viper "AD" arm UDP Universal Drill Pattern	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGT Light Grey Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color ²	GF1 ³ 20 Amp GFCI Receptacle and Cover EHH ³ Extra Handhole C05 ³ .5" Coupling C07 ³ .75" Coupling C20 ³ 2" Coupling MPB ³ Mid-pole Luminaire Bracket VM1 ⁴ Mode vibration dampener VM2 ⁵ 2nd mode vibration dampener LAB Less Anchor Bolts UL UL Certified

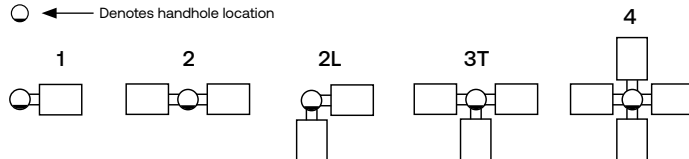
Accessories (Order Separately)

- ☐ VM2S08 Field-installed 2nd mode vibration dampener - 8 ft
☐ VM2S12 Field-installed 2nd mode vibration dampener - 12 ft
☐ VM2S16 Field-installed 2nd mode vibration dampener - 16 ft
☐ VM2S20 Field-installed 2nd mode vibration dampener - 20 ft
☐ VM2S25 Field-installed 2nd mode vibration dampener - 25 ft

- 1 Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: SSS-B-25-40-A-1-B1-TR-BBTT.
 2 Custom colors available; RAL number preferable
 3 Specify option location using logic found on page 3 (Option Orientation).
 4 VM1 recommended on poles 20' and taller with EPA of less than 1.
 5 There will be a weld witness mark on the side of the pole with the Factory installed VM2

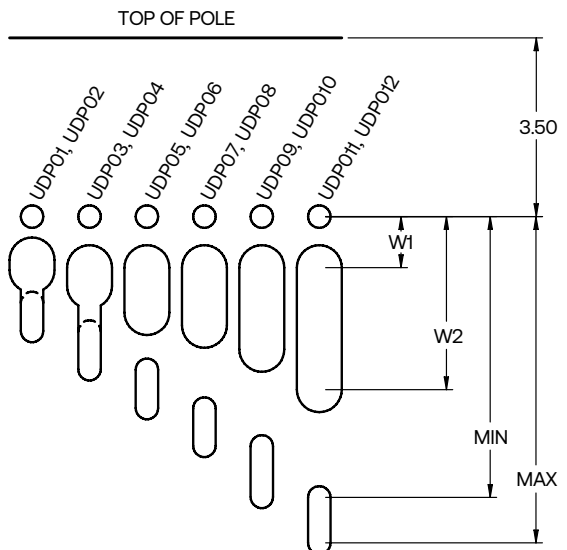
MOUNTING ORIENTATION

○ ← Denotes handhole location



DRILL PATTERNS

UNIVERSAL DRILL PATTERN (UDP)



Two Bolt Mounting with Center Wireway						
Mounting Hardware	Universal Mounting Patterns					
3/8" or less	UDP01	UDP03	UDP05	UDP07	UDP09	UDP011
7/8" to 1/2"	UDP02	UDP04	UDP06	UDP08	UDP10	UDP12
"Min" Attachment Dimension	1.69	2.25	3.00	3.76	4.50	5.50
"Max" Attachment Dimension	2.24	2.99	3.75	4.49	5.49	6.00
W1 (Wireway min)	0.85	1.00	1.00	1.00	1.00	1.00
W2 (Wireway max)	1.05	1.36	1.88	2.13	2.60	3.00

SSS-B Series Poles

SQUARE STRAIGHT STEEL

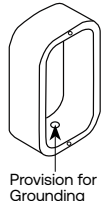
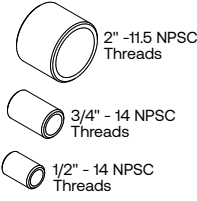
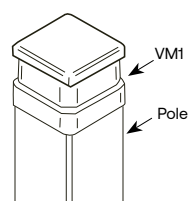


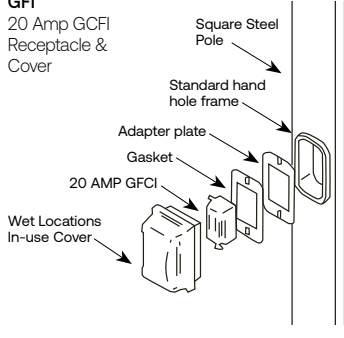
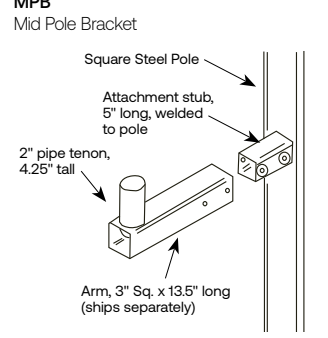
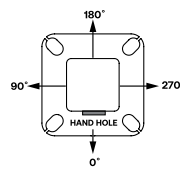
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

Item #2.

ORDERING INFORMATION (CONTINUED)

CATALOG NUMBER	HEIGHT		NOMINAL SHAFT DIMENSIONS	WALL THICKNESS	BOLT CIRCLE (SUGGESTED)	BOLT CIRCLE (RANGE)	BASE PLATE SQUARE	ANCHOR BOLT SIZE	BOLT PROJECTION	POLE WEIGHT (LBS)
	FEET	METERS								
SSS-B-10-40-A-XX-XX	10	3.0	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	77
SSS-B-12-40-A-XX-XX	12	3.7	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	90
SSS-B-14-40-A-XX-XX	14	4.3	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	103
SSS-B-16-40-A-XX-XX	16	4.9	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	116
SSS-B-18-40-A-XX-XX	18	5.5	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	129
SSS-B-20-40-A-XX-XX	20	6.1	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	142
SSS-B-25-40-A-XX-XX	25	7.6	4" square	.0125"	9"	8" - 10"	9"	3/4" x 30" x 3"	3.5	175
SSS-B-14-40-B-XX-XX	14	4.3	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	152
SSS-B-16-40-B-XX-XX	16	4.9	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	171
SSS-B-18-40-B-XX-XX	18	5.5	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	190
SSS-B-20-40-B-XX-XX	20	6.1	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	209
SSS-B-25-40-B-XX-XX	25	7.6	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	257
SSS-B-30-40-B-XX-XX	30	9.1	4" square	.188"	11"	10" - 12"	10.50"	3/4" x 30" x 3"	3.5	304
SSS-B-16-50-B-XX-XX	16	4.9	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	219
SSS-B-18-50-B-XX-XX	18	5.5	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	243
SSS-B-20-50-B-XX-XX	20	6.1	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	267
SSS-B-25-50-B-XX-XX	25	7.6	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	327
SSS-B-30-50-B-XX-XX	30	9.1	5" square	.188"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	387
SSS-B-25-50-C-XX-XX	25	7.6	5" square	.25"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	427
SSS-B-30-50-C-XX-XX	30	9.1	5" square	.25"	11"	10.25" - 13.25"	11.50"	1" x 36" x 4"	4.5	507
SSS-B-20-60-B-XX-XX	20	6.1	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	329
SSS-B-25-60-B-XX-XX	25	7.6	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	404
SSS-B-30-60-B-XX-XX	30	9.1	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	479
SSS-B-35-60-B-XX-XX	35	10.7	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	554
SSS-B-40-60-B-XX-XX	40	12.2	6" square	.188"	12"	11.00" - 13.25"	12.25"	1" x 36" x 4"	4.5	629

- Notes:**
- Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
 - For more information about pole vibration and vibration dampeners, please consult factory.
 - Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion.
 - ¹ There will be a weld witness mark on the side of the pole with the Factory installed VM2.

EHH Extra handhole  Provision for Grounding	C05 / C07 / C20 Coupling  2" -11.5 NPSC Threads 3/4" - 14 NPSC Threads 1/2" - 14 NPSC Threads	VM1 1st mode vibration dampener  Field Installed Pole Top dampener designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 25' and taller with a total EPA of 1.0 or less.	VM2¹ 2nd mode vibration dampener  Factory installed, internal dampener designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.	VM2SXX Field-installed 2nd mode vibration dampener  VM2S08 - 8' VM2S12 - 12' VM2S16 - 16' VM2S20 - 20' VM2S24 - 24'
GFI 20 Amp GCFI Receptacle & Cover 	MPB Mid Pole Bracket 		Option Orientation Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C05 should be ordered as: SSS-B-20-40-A-TA-DBT-C05-0-15 (5" coupling on the handhole/arm side of pole, 15' up from the pole base) 1' spacing required between option. Consult factory for other configurations. 	

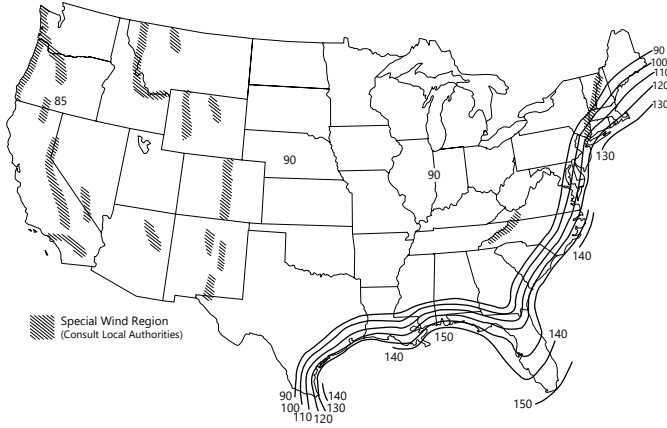
SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE:	LOCATION:	Item #2.
TYPE:	PROJECT:	
CATALOG #:		

WIND MAPS

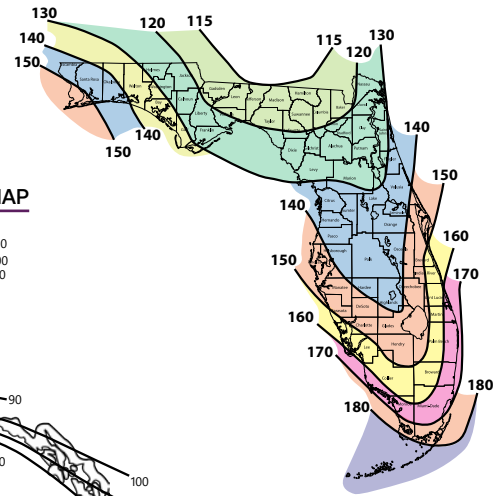
ASCE7-05 WIND MAP



HAWAII – 105 mph
PUERTO RICO – 145 mph

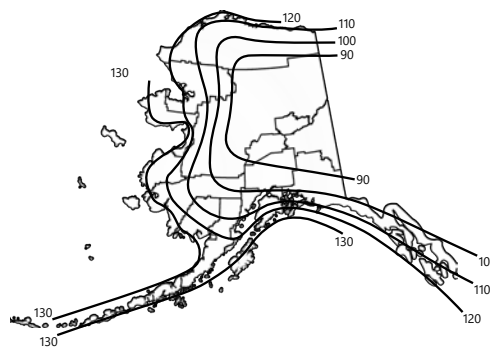
*Printed with permission from ASCE

FLORIDA REGION WIND MAP



Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code.

ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
SSS-B-10-40-A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSS-B-12-40-A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSS-B-14-40-A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSS-B-16-40-A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSS-B-18-40-A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSS-B-20-40-A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSS-B-25-40-A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSS-B-14-40-B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSS-B-16-40-B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSS-B-18-40-B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSS-B-20-40-B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSS-B-25-40-B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSS-B-30-40-B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSS-B-16-50-B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSS-B-18-50-B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSS-B-20-50-B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSS-B-25-50-B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSS-B-30-50-B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSS-B-25-50-C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSS-B-30-50-C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSS-B-20-60-B	25.0	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3
SSS-B-25-60-B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSS-B-30-60-B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSS-B-35-60-B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSS-B-40-60-B	8.1	5.8	2.2	nr	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
SSS-B-10-40-A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSS-B-12-40-A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSS-B-14-40-A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSS-B-16-40-A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSS-B-18-40-A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSS-B-20-40-A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSS-B-25-40-A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSS-B-14-40-B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSS-B-16-40-B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSS-B-18-40-B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSS-B-20-40-B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSS-B-25-40-B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSS-B-30-40-B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSS-B-16-50-B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSS-B-18-50-B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSS-B-20-50-B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSS-B-25-50-B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-B-30-50-B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-B-25-50-C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-B-30-50-C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-B-20-60-B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSS-B-25-60-B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSS-B-30-60-B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-B-35-60-B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-B-40-60-B	1.8	NR	NR	NR	NR	NR	NR	NR

SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

Item #2.

NOTES

Wind-speed Website disclaimer:

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. <http://windspeed.atcouncil.org>

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Current Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

VIPER Area/Site

VIPER LUMINAIRE

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as auto dealership, retail, commercial, and campus parking lots
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Rated for high vibration applications including bridges and overpasses. All sizes are rated for 1.5G
- Control options including photo control, occupancy sensing, NX Lighting Controls™, LightGRID+ and 7-Pin with networked controls
- New customizable lumen output feature allows for the wattage and lumen output to be customized in the factory to meet whatever specification requirements may entail
- Field interchangeable mounting provides additional flexibility after the fixture has shipped



CONTROL TECHNOLOGY



LIGHTGRID+

SERVICE PROGRAMS

STOCK QS10

SPECIFICATIONS

CONSTRUCTION

- Die-cast housing with hidden vertical heat fins are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- External hardware is corrosion resistant

OPTICS

- Micro Strike Optics (160, 320, 480, or 720 LED counts) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (36, 72, 108, or 162 LED counts) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields and house side shields can be added for further reduction of illumination behind the pole
- One-piece silicone gasket ensures a weatherproof seal
- Zero up-light at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Mounting patterns for each arm can be found on page 11
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option (ASQU) or accessory for square and round poles
- All mounting hardware included
- Knuckle arm fitter option available for 2-3/8" OD tenon
- For products with EPA less than 1 mounted to a pole greater than 20ft, a vibration damper is recommended

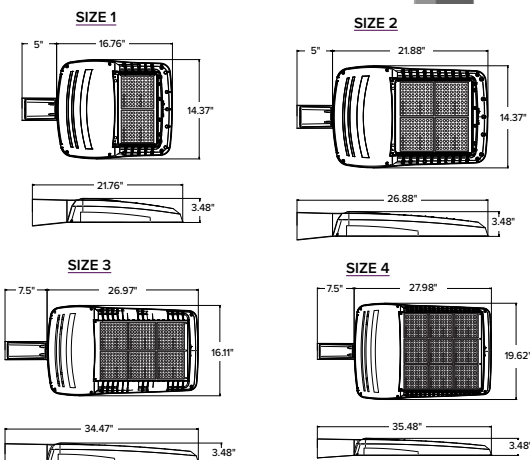
ELECTRICAL







- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options cannot be combined

CONTROLS

- Photo control, occupancy sensor programmable controls, and Zigbee wireless controls available for complete on/off and dimming control
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V Dimming Drivers are standard.
- NX Lighting Controls™ available with in fixture wireless control module, features dimming and occupancy sensor
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

MICROSTRIKE | STRIKE OPTICS



	EPA				Config
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to <http://www.designlights.org> for the most up-to-date list.
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Fixture is IP65 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to <https://www.currentlighting.com/resources/america-solutions>).
- FCC CFR Title 47 Part 15, Class A

WARRANTY

- 5 year warranty

VIPER Area/Site

VIPER LUMINAIRE

MICROSTRIKE OPTICS – ORDERING GUIDE

CATALOG #: _____

Gray Shading

 = Service Program
 Limit of 15 luminaires

QS10
Example: VP–2–320L-145–3K7–2–R–UNV–A3–BLT

CATALOG # _____

VP							
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper Area	BLANK Micro Strike	1 Size 1	160L-35 ⁶ 35W - 5,500 Lumens 160L-50 ⁶ 50W - 7,500 Lumens 160L-75 75W - 10,000 Lumens 160L-100 100W - 12,500 Lumens 160L-115 115W - 15,000 Lumens 160L-135 135W - 18,000 Lumens 160L-160 160W - 21,000 Lumens 320L-145 145W - 21,000 Lumens 320L-170 170W - 24,000 Lumens 320L-185 185W - 27,000 Lumens 320L-210 210W - 30,000 Lumens 320L-235 235W - 33,000 Lumens 320L-255 255W - 36,000 Lumens 320L-315 ⁶ 315W - 40,000 Lumens 480L-285 285W - 40,000 Lumens 480L-320 320W - 44,000 Lumens 480L-340 340W - 48,000 Lumens 480L-390 390W - 52,000 Lumens 480L-425 425W - 55,000 Lumens 480L-470 470W - 60,000 Lumens 720L-435 435W - 60,000 Lumens 720L-475 475W - 65,000 Lumens 720L-515 515W - 70,000 Lumens 720L-565 ⁶ 565W - 75,000 Lumens 720L-600 ⁶ 600W - 80,000 Lumens CLO Custom Lumen Output ¹	AP AP-Amber Phosphor Converted 27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 35K8 3500K, 80 CRI 3K9 3000K, 90 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QW Type 5 Square Wide	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2					
		3 Size 3					
		4 Size 4					

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface (B3 Drill Pattern) (Does not include round pole adapter) A_ Arm mount for round pole ² ASQU Universal arm mount for square pole. Can be used with B3 or S2 Drill Pattern A_U Universal arm mount for round pole ² AAU Adjustable arm for pole mounting (universal drill pattern) AA_U Adjustable arm mount for round pole ² ADU Decorative upswept Arm (universal drill pattern) AD_U Decorative upswept arm mount for round pole ² MAF Mast arm fitter for 2-3/8" OD horizontal arm K Knuckle T Trunnion WB Wall Bracket, horizontal tenon with MAF WM Wall mount bracket with decorative upswept arm WA Wall mount bracket with adjustable arm	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Gloss Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	F Fusing 2PF Dual Power Feed 2DR Dual Driver TE Tooless Entry BC Backlight Control ⁸ TB Terminal Block LS Lumen Switch	NXWS-16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXWS-40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,3,4} NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{3,4} WIR LightGRID+ In-Fixture Module ^{3,4} WIRSC-14F LightGRID+ Module and Occupancy Sensor 14ft Mounting height ^{3,4} WIRSC-40F LightGRID+ Module and Occupancy Sensor 40ft Mounting height ^{3,4} Stand Alone Sensors BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens 7PR 7-Pin Receptacle ⁴ 7PR-SC 7-Pin Receptacle with shorting cap ⁴ 7PR-TL 7-Pin PCR with NEMA photocontrol ⁴ 3PR 3-Pin Receptacle ⁴ 3PR-SC 3-Pin receptacle with shorting cap ⁴ 3PR-TL 3-Pin PCR with NEMA photocontrol ⁴ Programmed Controls SCP_F Sensor Control Programmable, 8F or 40F ⁹ ADD AutoDim Timer Based Dimming ¹⁰ ADT AutoDim Time of Day Dimming ¹⁰

1 – Items with a grey background can be done as a custom order. Contact brand representative for more information.

2 – Replace “_” with “3” for 3.5"-4.13" OD pole, “4” for 4.18"-5.25" OD pole, “5” for 5.5"-6.5" OD pole

3 – Networked Controls cannot be combined with other control options

4 – Not available with 2PF option

5 – Not available with Dual Driver option

6 – Some voltage restrictions may apply when combined with controls

7 – Not available with 480V

8 – BC not available on 4F and type 5 distributions

9 – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.

10 – Please refer to page 8 for AutoDim ordering guide

STRIKE OPTIC – ORDERING GUIDE

Example: VP-ST-1-36L-39-3K7-2-UNV-A-BLT

CATALOG #							
VP							
Series	Optic Platform	Size	Light Engine	CCT/CRI	Distribution	Optic Rotation	Voltage
VP Viper Area	ST Strike Optics	1 Size 1	36L-39 ⁸ 39W - 5,500 Lumens 36L-55 ⁸ 55W - 7,500 Lumens 36L-85 85W - 10,000 Lumens 36L-105 105W - 12,500 Lumens 36L-120 120W - 15,000 Lumens 72L-115 115W - 15,000 Lumens 72L-145 145W - 18,000 Lumens 72L-180 180W - 21,000 Lumens 72L-210 210W - 24,000 Lumens 72L-240 240W - 27,000 Lumens 108L-215 ⁸ 215W - 27,000 Lumens 108L-250 250W - 30,000 Lumens 108L-280 280W - 33,000 Lumens 108L-325 325W - 36,000 Lumens 108L-365 365W - 40,000 Lumens 162L-320 320W - 40,000 Lumens 162L-365 ¹⁰ 365W - 44,000 Lumens 162L-405 405W - 48,000 Lumens 162L-445 445W - 52,000 Lumens 162L-485 485W - 55,000 Lumens 162L-545 ⁸ 545W - 60,000 Lumens CLO Custom Lumen Output ¹	27K8 2700K, 80 CRI 3K7 3000K, 70 CRI 3K8 3000K, 80 CRI 3K9 3000K, 90 CRI 35K8 3500K, 80 CRI 4K7 4000K, 70 CRI 4K8 4000K, 80 CRI 4K9 4000K, 90 CRI 5K7 5000K, 70 CRI 5K8 5000K, 80 CRI	FR Auto Front Row 2 Type 2 3 Type 3 4F Type 4 Forward 4W Type 4 Wide 5QN Type 5 Square Narrow 5QW Type 5 Square Wide 5QM Type 5 Square Medium 5W Type 5 Wide (Round) 5RW Type 5 Rectangular C Corner Optic TC Tennis Court Optic	BLANK No Rotation L Optic rotation left R Optic rotation right	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V
		2 Size 2					
		3 Size 3					
		4 Size 4					

Mounting	Color	Options	Network Control Options
A Arm mount for square pole/flat surface A_ Arm mount for round pole ³ ASQU Universal arm mount for square pole A_U Universal arm mount for round pole ³ AAU Adjustable arm for pole mounting (universal drill pattern) AA_U Adjustable arm mount for round pole ³ ADU Decorative upswept Arm (universal drill pattern) AD_U Decorative upswept arm mount for round pole ³ MAF Mast arm fitter for 2-3/8" OD horizontal arm K Knuckle T Trunnion WB Wall Bracket, horizontal tenon with MAF WM Wall mount bracket with decorative upswept arm WA Wall mount bracket with adjustable arm	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth LGT Light Grey Gloss Textured PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VG Verde Green Textured Color Option CC Custom Color	F Fusing E Battery Backup ^{1,2,7,8,9} 2PF Dual Power Feed 2DR Dual Driver TE Toolless Entry BC Backlight Control TB Terminal Block LS Lumen Switch	NXWS-16F NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5} NXWF-40F NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming ^{1,4,5} NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor ^{4,5} WIR LightGRID+ In-Fixture Module ^{4,5} WIRSC-14F LightGRID+ Module and Occupancy Sensor 14ft Mounting height ^{4,5} WIRSC-40F LightGRID+ Module and Occupancy Sensor 40ft Mounting height ^{4,5} Stand Alone Sensors BTS-14F Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens BTS-40F Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming® Photocell and 360° Lens BTSO-12F Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens 7PR 7-Pin Receptacle ⁴ 7PR-SC 7-Pin Receptacle with shorting cap ⁴ 7PR-TL 7-Pin PCR with NEMA photocontrol ⁴ 3PR 3-Pin Receptacle ⁴ 3PR-SC 3-Pin receptacle with shorting cap ⁴ 3PR-TL 3-Pin PCR with NEMA photocontrol ⁴ Programmed Controls SCP_F Sensor Control Programmable, 8F or 40F ¹¹ ADD AutoDim Timer Based Dimming ¹² ADT AutoDim Time of Day Dimming ¹²

¹ – Items with a grey background can be done as a custom order. Contact brand representative for more information
² – Battery temperature rating -20C to 55C
³ – Replace “_” with “3” for 3.5”-4.13” OD pole, “4” for 4.18”-5.25” OD pole, “5” for 5.5”-6.5” OD pole
⁴ – Networked Controls cannot be combined with other control options
⁵ – Not available with 2PF option
⁶ – Not available with 480V

⁷ – Not available with 347 or 480V
⁸ – Not available with Dual Driver option
⁹ – Only available in Size 1 housing, up to 105 Watts
¹⁰ – Some voltage restrictions may apply when combined with controls
¹¹ – At least one SCPREMOTE required to program SCP motion sensor. Must select 8ft or 40ft.
¹² – Please refer to page 8 for AutoDim ordering guide



CATALOG #:

Item #2.

ORDERING GUIDE (CONT'D)

CATALOG #

Accessory Type		Size	Option
SHD	Shield	1	Size 1
		2	Size 2
		3	Size 3
		4	Size 4

MTG	Mounting		HSS-90-B House Side Shield 90° Back
			HSS-90-F House Side Shield 90° Front
			HSS-90-S House Side Shield 90° Side
			HSS-270-BSS House Side Shield 270° Back/Side/Side
			HSS-270-FSS House Side Shield 270° Front/Side/Side
			HSS-270-FSB House Side Shield 270° Front/Side/Back
			HSS-360 House Side Shield 360°
			BC Back Light Control
			A Arm Mount for square pole/flat surface
			ASQU Universal Arm Mount for square pole
			AAU Adjustable Arm for pole mounting
			ADU Decorative upswept Arm
	RPA Round Pole Adapter		
	MAF Mast Arm Fitter for 2-3/8" OD horizontal arm		
	K Knuckle		
	T Trunnion		
	WB Wall Bracket (compatible with universal arm mounts)		

Accessory Type			Option
MSC	Miscellaneous		BIRD SPK Bird Spike

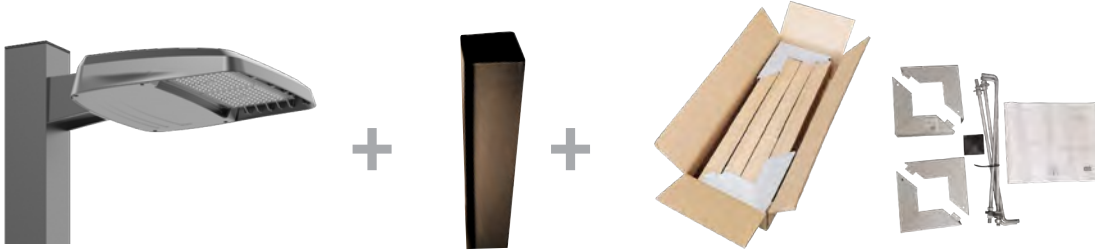
Color	
BLS	Black Gloss Smooth
BLT	Black Matte Textured
DBS	Dark Bronze Gloss Smooth
DBT	Dark Bronze Matte Textured
GTT	Graphite Matte Textured
LGS	Light Gray Gloss Smooth
PSS	Platinum Silver Smooth
WHS	White Gloss Smooth
WHT	White Matte Textured
VGT	Green Landscape Decorative
LEG	Legacy Colors
Color Option	
CC	Custom Color

Current Control Solutions — Accessories (Sold Separately)		
NX Lighting Controls		
<input type="checkbox"/>	NXOFM-1R1D-UNV	On-fixture Module (7-pin), On / Off / Dim, Daylight Sensor with NX Radio and Bluetooth® Radio, 120—480VAC
LightGRID+ Lighting Control		
<input type="checkbox"/>	WIR-RME-L	On-fixture Module (7-pin or 5-pin), On / Off / Dim, Daylight Sensor with LightGRID+ Radio, 110—480VAC
<input type="checkbox"/>	SCP-REMOTE	Remote Control for SCP/_F option. Order at least one per project to program and control the occupancy sensor
For additional information related to these accessories please visit currentlighting.com/beacon . Options provided for use with integrated sensor, please view specification sheet ordering information table for details.		

VIPER Area/Site

VIPER LUMINAIRE

VIPER POLE EXPRESS COMBO – ORDERING GUIDE



Catalog Number	Pole	Single or Double Head	Fixture	Lumens*	Wattage	Distribution	CCT/CRI	Mounting	Finish
VP-1-160-4K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-3-LS	19584	158W	Type 3	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-4K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-4K-4F-LS	19426	158W	Type 4F	4000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20	20' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S20-2X	20' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-3-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-3-LS	19499	158W	Type 3	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25	25' Square Straight Steel	Single	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured
VP-1-160-5K-4F-LS-S25-2X	25' Square Straight Steel	Double	VP-1-160-5K-4F-LS	19186	158W	Type 4F	5000K/70CRI	Universal Arm	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – STOCK LUMINAIRE SKUS

Catalog Number	Lumens	LPW	Distribution	Wattage	CCT/CRI	Voltage	Mounting	Finish
VP-1-160-4K-3-LS	19584	123.9	3	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-4K-4F-LS	19426	122.9	4F	158W	4000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-3-LS	19499	123.4	3	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured
VP-1-160-5K-4F-LS	19186	121.4	4F	158W	5000K/70CRI	120-277V	Universal Arm with RPA (A3U)	Dark Bronze Textured

VIPER POLE EXPRESS COMBO – ACCESSORIES











Catalog Number	Description
VM14DB	Vibration Dampener, mounts to top of pole for reduced vibration



VIPER Area/Site

VIPER LUMINAIRE

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY LIGHTGRID+

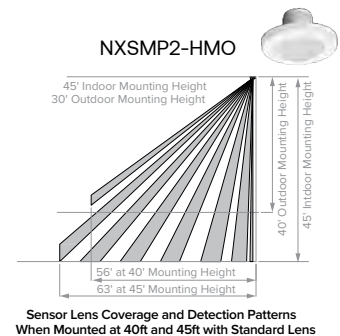
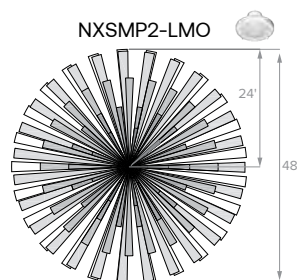
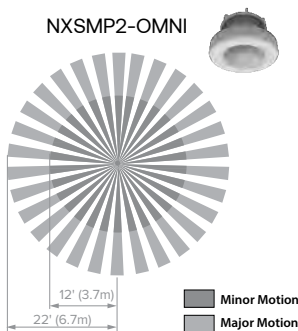
Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components		
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height			
NX Wireless	NXOFMIR1D-UNV	NX 7-Pin Twist-Lock® with NX Networked Wireless Radio, Integral Automatic Dimming Photocell, Integral Single Pole Relay with Dimming, and Bluetooth Programming	✓	✓	✓	Paired with external control	✓	✓	✓	✓	-		NXOFM-1R1D-UV
	NXW	NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor	✓	✓	✓	-	-	✓	✓	✓	-		NXRM2-H
	NXWS12F	NX Networked Wireless Enabled Integral NXSMP2-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	12ft		NXSMP2-OMNI-O
	NXWS16F	NX Networked Wireless Enabled Integral NXSMP2-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	16ft		NXSMP2-LMO
	NXWS40F	NX Networked Wireless Enabled Integral NXSMP2-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming	✓	✓	✓	✓	✓	✓	✓	✓	40ft		NXSMP2-HMO
LightGRID+	WIR	LightGRID+ In-Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR
	WIR-RME-L	LightGRID+ On Fixture Module	✓	-	✓	-	-	✓	✓	Gateway	-		WIR-RME-L
	WIRSC	LightGRID+ Module and Occupancy Sensor	✓	✓	✓	✓	✓	✓	✓	Gateway	14ft - 40ft		BTMSP
Independent	BTSO-12F	Bluetooth® Programmable, BTSMP-OMNI-O PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	12ft		BTSMP-OMNI-O
	BTS-14F	Bluetooth® Programmable, BTSMP-LMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	14ft		BTSMP-LMO
	BTS-40F	Bluetooth® Programmable, BTSMP-HMO PIR Occupancy Sensor with Automatic Dimming Photocell and 360° Lens	-	-	-	✓	✓	✓	✓	✓	40ft		BTSMP-HMO

DEFAULT SETTINGS

NX Wireless	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	15 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	0%
	Daylight Sensor	Disabled
	Bluetooth	Enabled
	2.4GHz Wireless Mesh	On
	Passcode Factory Passcode: HubbN3T!	Enabled

Stand Alone	Occupancy Sensor	Enabled
	Occupancy Sensor Sensitivity	7
	Occupancy Sensor Timeout	8 Minutes
	Occupied Dim Level	100%
	Unoccupied Dim Level	50%
	Daylight Sensor	Disabled

NX WIRELESS COVERAGE PATTERNS



VIPER Area/Site

VIPER LUMINAIRE

NX LIGHTING CONTROLS FREE APP

CONTROLS TECH SUPPORT 800-888-8006 (7:00 AM - 7:00 PM)



The NX Lighting Controls App is free to use mobile application for programming both NX Lighting Controls System or Standalone Bluetooth Sensors. The mobile app allows you to configure devices, discover and setup wireless enable luminaires and program NX system settings.

Apple App: <https://apps.apple.com/us/app/nx-lighting-controls/id962112904>

Google Play: https://play.google.com/store/apps/details?id=io.cordova.NXBTR&hl=en_US&q=US






Apple App

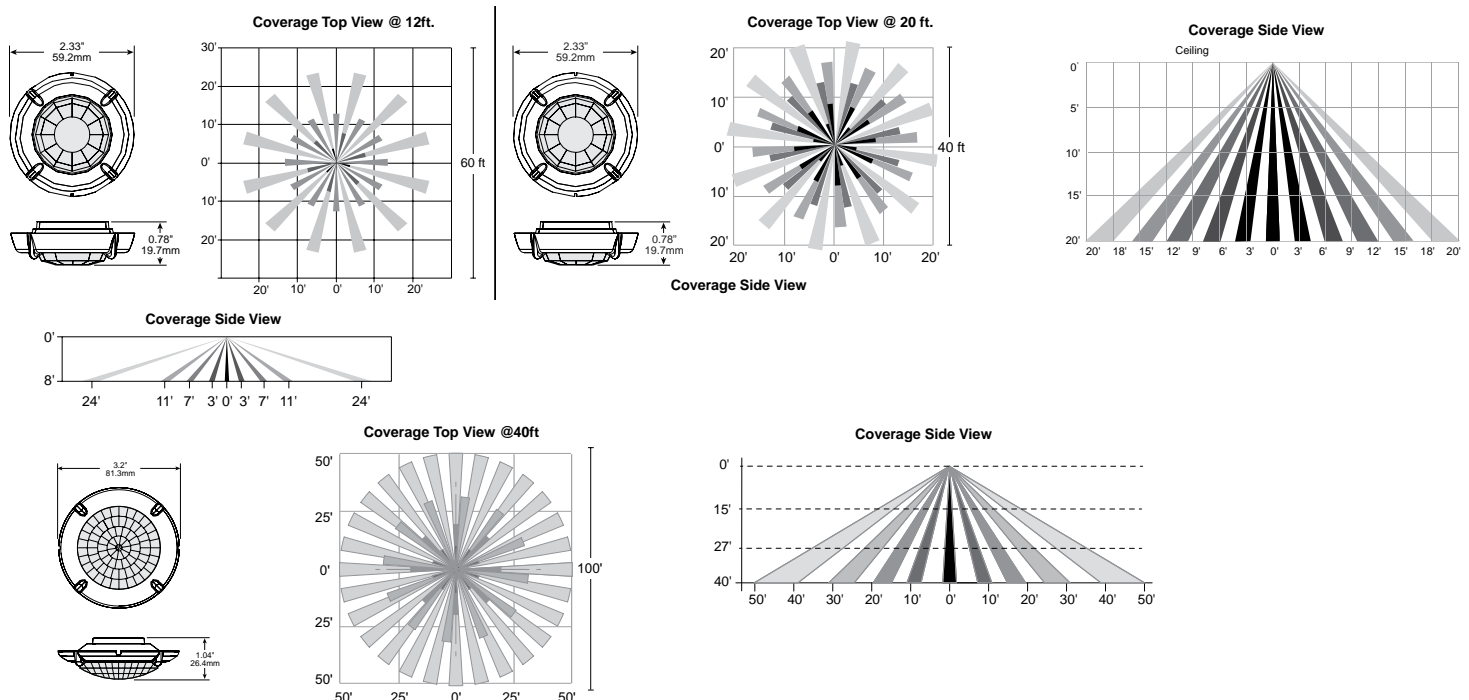


Google Play

OUTDOOR LIGHTING CONTROLS OPTIONS CONTROLS FUNCTIONALITY

	Control Option Ordering Logic & Description	Control Option Functionality									Control Option Components
		Networkable	Grouping	Scheduling	Occupancy/ Motion	Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	SCP_F Sensor Control Programmable, 8F or 40F	-	-	-	✓	✓	✓	✓	-	8ft or 40ft	SCP_F
	ADD AutoDIM Timer Based Dimming	-	-	✓	-	-	-	✓	-	-	ADD
	ADT AutoDIM Time of Day Dimming	-	-	✓	-	-	-	✓	-	-	ADT
	7PR 7-Pin Receptacle	-	-	Paired with external control	-	Paired with external control	-	Paired with external control	-	-	7PR
	7PR-SC 7-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-	 7PR-SC
	3PR 3-Pin twist lock	-	-	-	-	-	-	Paired with external control	-	-	3PR
	3PR-SC 3-Pin Receptacle with shorting cap	-	-	-	-	-	-	-	-	-	 3PR-SC
	3PR-TL 3-Pin with photocontrol	-	-	-	-	✓	-	✓	-	-	 3PR-TL

COVERAGE PATTERNS FOR SCP_F



VIPER Area/Site

VIPER LUMINAIRE

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6 - Delay 6 hours
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50% brightness
Auto-Dim Return	Delay 0-9 Hours	R6 - Return to full output after 6 hours

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6 - Dim at 6PM
Auto-Dim Brightness	10-100% Brightness	5 - Dim to 50%
Auto-Dim Return	12-6 AM and 9-11P	R6 - Return to full output at 6AM

ORDERING GUIDE

Auto Dim Code	Timer Base (ADD) Auto-Dim Options		Auto Dim Cod	Time of Day (ADT) Auto-Dim Options	Code	Auto-Dim Brightness	Code	Auto-Dim Return Options	Code	Auto-Dim Brightness
D1	Delay 1 hour	OR	T0	Delay Midnight	0	100% Brightness	R1	Delay 1 hour or 1 AM	0	100% Brightness
D2	Delay 2 hours		T1	Delay 1 AM	1	10% Brightness	R2	Delay 2 hours or 2 AM	1	10% Brightness
D3	Delay 3 hours		T2	Delay 2 AM	2	20% Brightness	R3	Delay 3 hours or 3 AM	2	20% Brightness
D4	Delay 4 hours		T3	Delay 3 AM	3	30% Brightness	R4	Delay 4 hours or 4 AM	3	30% Brightness
D5	Delay 5 hours		T4	Delay 10 PM	4	40% Brightness	R5	Delay 5 hours or 5 AM	4	40% Brightness
D6	Delay 6 hours		T5	Delay 11 PM	5	50% Brightness	R6	Delay 6 hours or 6 AM	5	50% Brightness
D7	Delay 7 hours		T6	Delay 6 PM	6	60% Brightness	R7	Delay 7 hours or 7 AM	6	60% Brightness
D8	Delay 8 hours		T7	Delay 7 PM	7	70% Brightness	R8	Delay 8 hours or 8 AM	7	70% Brightness
D9	Delay 9 hours		T8	Delay 8 PM	8	80% Brightness	R9	Delay 9 hours or 9 AM	8	80% Brightness
D0	Delay 0 hours		T9	Delay 9 PM	9	90% Brightness	R0	Delay 0 hours or 12 AM	9	90% Brightness

DELIVERED LUMENS

For delivered lumens, please see Lumens Data PDF on www.Currentlighting.com

PROJECTED LUMEN MAINTENANCE

Ambient Temp.	0	25,000	*TM-21-11 36,000	50,000	100,000	Calculated L ₇₀ (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

Ambient Temperature		Lumen Multiplier	Micro Strike Lumen Multiplier				Strike Lumen Multiplier			
			CCT	70 CRI	80 CRI	90 CRI	CCT	70 CRI	80 CRI	90 CRI
0°C	32°F	1.03	2700K	—	0.841	—	2700K	0.9	0.81	0.62
10°C	50°F	1.01	3000K	0.977	0.861	0.647	3000K	0.933	0.853	0.659
20°C	68°F	1.00	3500K	—	0.900	—	3500K	0.959	0.894	0.711
25°C	77°F	1.00	4000K	1	0.926	0.699	4000K	1	0.9	0.732
30°C	86°F	0.99	5000K	1	0.937	0.791	5000K	1	0.9	0.732
40°C	104°F	0.98	AP-Amber Phosphor Converted Multiplier				Monochromatic Amber Multiplier			
			Amber	0.710			Amber	See Amber Spec Sheet		

ELECTRICAL DATA: MICRO STRIKE

# OF LEDS	160						
NOMINAL WATTAGE	35	50	75	100	115	135	160
SYSTEM POWER (W)	34.9	50.5	72.1	97.2	111.9	132.2	157.8
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	0.29	0.42	0.63	0.83	0.96	1.13	1.33
208	0.17	0.24	0.36	0.48	0.55	0.65	0.77
240	0.15	0.21	0.31	0.42	0.48	0.56	0.67
277	0.13	0.18	0.27	0.36	0.42	0.49	0.58
347	0.10	0.14	0.22	0.29	0.33	0.39	0.46
480	0.07	0.10	0.16	0.21	0.24	0.28	0.33

# OF LEDS	320						
NOMINAL WATTAGE	145	170	185	210	235	255	315
SYSTEM POWER (W)	150	166.8	185.7	216.2	240.9	261.5	312
INPUT VOLTAGE (V)	CURRENT (Amps)						
120	1.21	1.42	1.54	1.75	1.96	2.13	2.63
208	0.70	0.82	0.89	1.01	1.13	1.23	1.51
240	0.60	0.71	0.77	0.88	0.98	1.06	1.31
277	0.52	0.61	0.67	0.76	0.85	0.92	1.14
347	0.42	0.49	0.53	0.61	0.68	0.73	0.91
480	0.30	0.35	0.39	0.44	0.49	0.53	0.66

# OF LEDS	480					
NOMINAL WATTAGE	285	320	340	390	425	470
SYSTEM POWER (W)	286.2	316.7	338.4	392.2	423.2	468
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.38	2.67	2.83	3.25	3.54	3.92
208	1.37	1.54	1.63	1.88	2.04	2.26
240	1.19	1.33	1.42	1.63	1.77	1.96
277	1.03	1.16	1.23	1.41	1.53	1.70
347	0.82	0.92	0.98	1.12	1.22	1.35
480	0.59	0.67	0.71	0.81	0.89	0.98

# OF LEDS	720				
NOMINAL WATTAGE	435	475	515	565	600
SYSTEM POWER (W)	429.3	475	519.1	565.2	599.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	3.63	3.96	4.29	4.71	5.00
208	2.09	2.28	2.48	2.72	2.88
240	1.81	1.98	2.15	2.35	2.50
277	1.57	1.71	1.86	2.04	2.17
347	1.25	1.37	1.48	1.63	1.73
480	0.91	0.99	1.07	1.18	1.25

VIPER Area/Site

VIPER LUMINAIRE

ELECTRICAL DATA: STRIKE

# OF LEDS	36				
NOMINAL WATTAGE	39	55	85	105	120
SYSTEM POWER (W)	39.6	56.8	83.6	108.2	120.9
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	0.33	0.46	0.71	0.88	0.96
208	0.19	0.26	0.41	0.50	0.55
240	0.16	0.23	0.35	0.44	0.48
277	0.14	0.20	0.31	0.38	0.42
347	0.11	0.16	0.24	0.30	0.33
480	0.08	0.11	0.18	0.22	0.24

# OF LEDS	72				
NOMINAL WATTAGE	115	145	180	210	240
SYSTEM POWER (W)	113.7	143.2	179.4	210.2	241.7
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	1.00	1.21	1.50	1.75	1.79
208	0.58	0.70	0.87	1.01	1.03
240	0.50	0.60	0.75	0.88	0.90
277	0.43	0.52	0.65	0.76	0.78
347	0.35	0.42	0.52	0.61	0.62
480	0.25	0.30	0.38	0.44	0.45

# OF LEDS	108				
NOMINAL WATTAGE	215	250	280	325	365
SYSTEM POWER (W)	214.8	250.8	278.3	324.7	362.6
INPUT VOLTAGE (V)	CURRENT (Amps)				
120	2.00	2.08	2.33	3.04	2.67
208	1.15	1.20	1.35	1.75	1.54
240	1.00	1.04	1.17	1.52	1.33
277	0.87	0.90	1.01	1.32	1.16
347	0.69	0.72	0.81	1.05	0.92
480	0.50	0.52	0.58	0.76	0.67

# OF LEDS	162					
NOMINAL WATTAGE	320	365	405	445	485	545
SYSTEM POWER (W)	322.1	362.6	403.6	445.1	487.1	543.9
INPUT VOLTAGE (V)	CURRENT (Amps)					
120	2.71	2.67	3.38	3.71	4.04	4.54
208	1.56	1.54	1.95	2.14	2.33	2.62
240	1.35	1.33	1.69	1.85	2.02	2.27
277	1.17	1.16	1.46	1.61	1.75	1.97
347	0.94	0.92	1.17	1.28	1.40	1.57
480	0.68	0.67	0.84	0.93	1.01	1.14

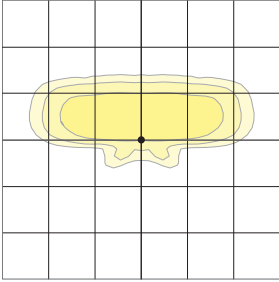
VIPER Area/Site

VIPER LUMINAIRE

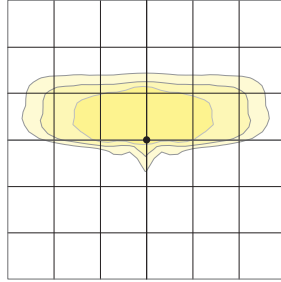
MICRO STRIKE PHOTOMETRY

The following diagrams represent the general distribution options offered for this product. For detailed information on specific product configurations, see website photometric test reports.

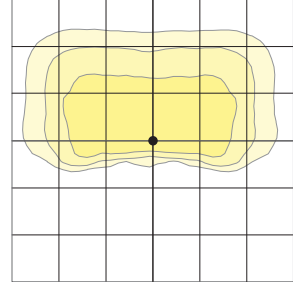
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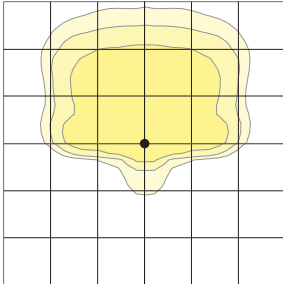
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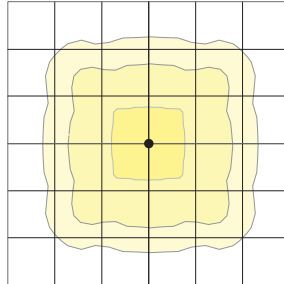
Type 4 Wide



Type 4F



Type 5QW



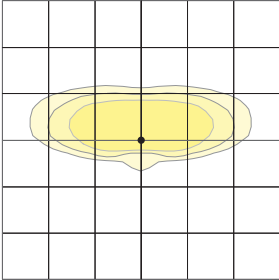
VIPER Area/Site

VIPER LUMINAIRE

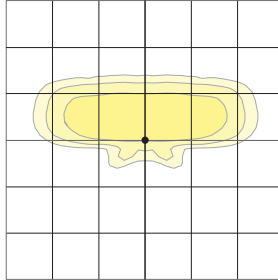
OPTIC STRIKE PHOTOMETRY

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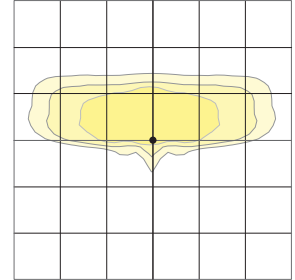
Type FR – Front Row/Auto Optic



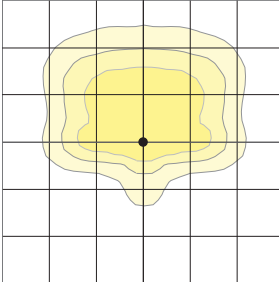
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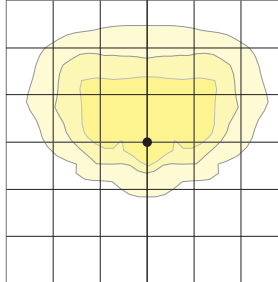
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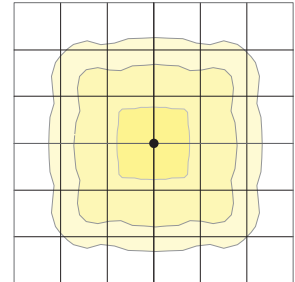
Type 4 Forward



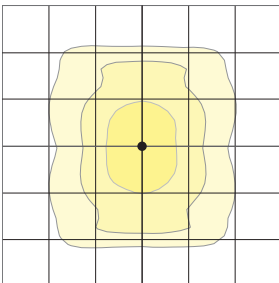
Type 4 Wide



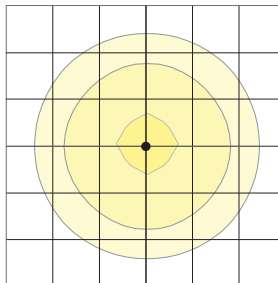
Type 5QM



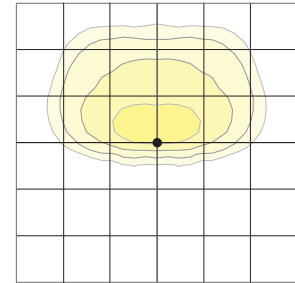
Type 5RW (rectangular)



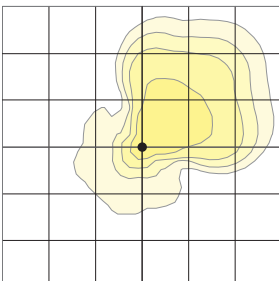
Type 5W (round wide)



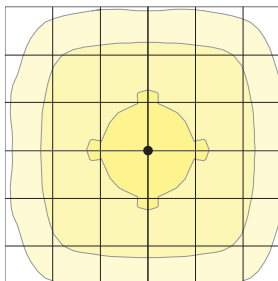
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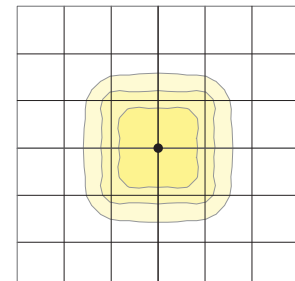
Type Corner



Type 5QW



Type 5QN

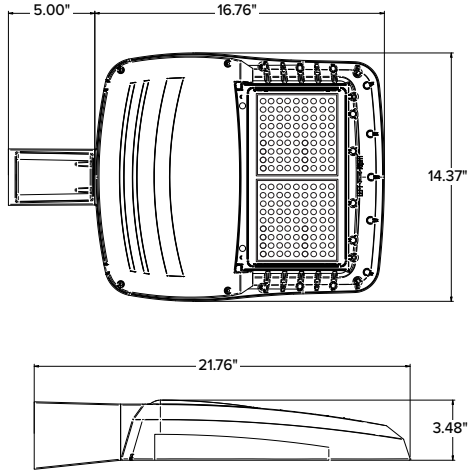


VIPER Area/Site

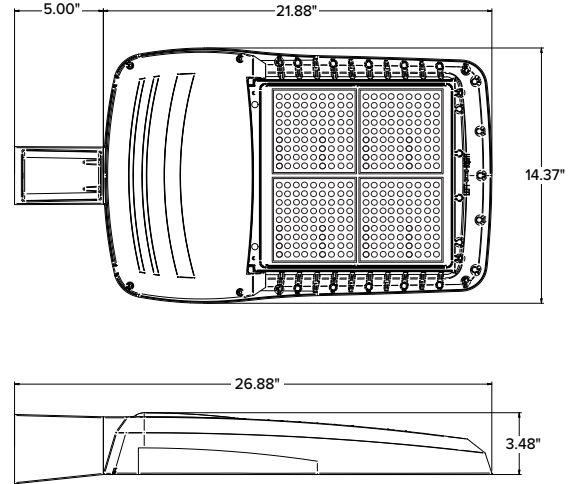
VIPER LUMINAIRE

DIMENSIONS

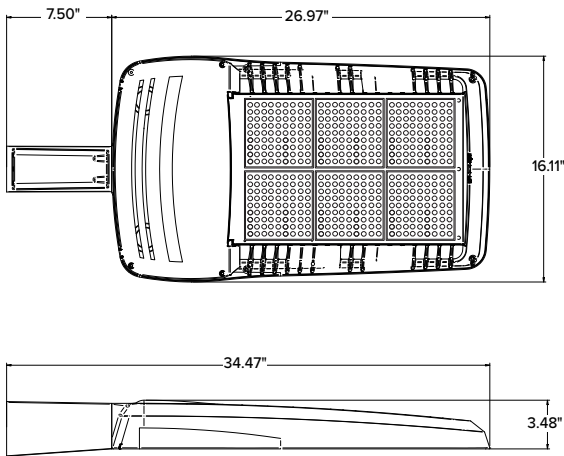
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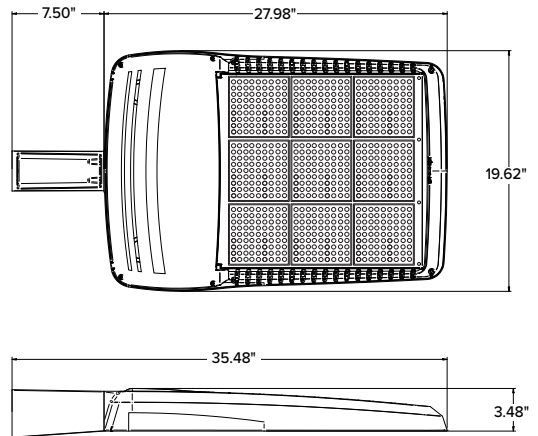
SIZE 2









SIZE 3



SIZE 4



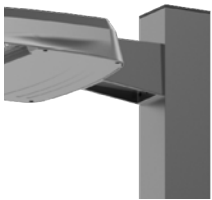
	EPA				Config.
	VP1 (Size 1)	VP2 (Size 2)	VP3 (Size 3)	VP4 (Size 4)	
Single Fixture	0.454	0.555	0.655	0.698	
Two at 180	0.908	1.110	1.310	1.396	
Two at 90	0.583	0.711	0.857	0.948	
Three at 90	1.037	1.266	1.512	1.646	
Three at 120	0.943	1.155	1.392	1.680	
Four at 90	1.166	1.422	1.714	1.896	

	Weight	
	lbs	kgs
VP1 (Size 1)	13.7	6.2
VP2 (Size 2)	16.0	7.26
VP3 (Size 3)	25.9	11.7
VP4 (Size 4)	30.8	13.9

VIPER Area/Site

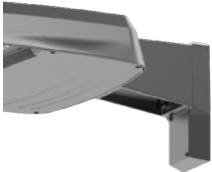
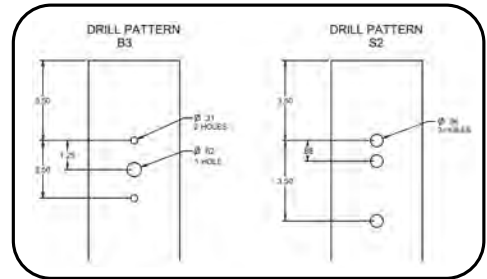
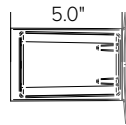
VIPER LUMINAIRE

MOUNTING



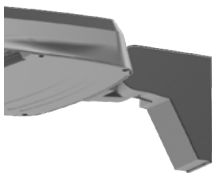
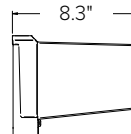
A-STRAIGHT ARM MOUNT

Fixture ships with integral arm for ease of installation. Compatible with Current Outdoor B3 drill pattern for ease of installation on square poles. For round poles add applicable suffix (2/3/4/5)



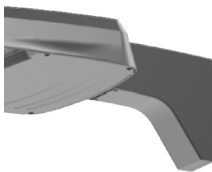
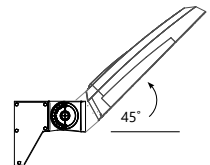
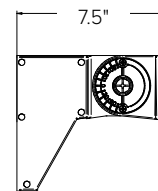
ASQU-UNIVERSAL ARM MOUNT

Universal mounting block for ease of installation. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5)



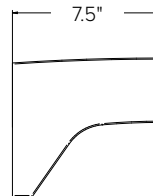
AAU-ADJUSTABLE ARM FOR POLE MOUNTING

Rotatable arm mounts directly to pole. Compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2 and B3. For round poles add applicable suffix (2/3/4/5). Rotatable in 5° aiming angle increments. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



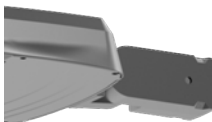
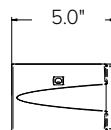
ADU-DECORATIVE UPSWEPT ARM

Upswept Arm compatible with drill patterns from 1.5" to 5.25" and Current drill pattern S2. For round poles add applicable suffix (2/3/4/5).



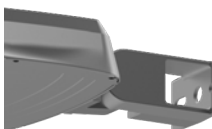
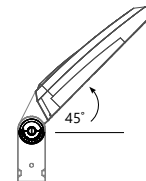
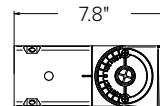
MAF-MAST ARM FITTER

Fits 2-3/8" OD horizontal tenons.



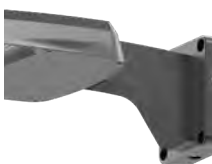
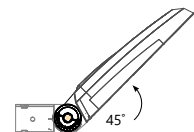
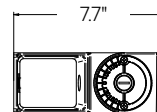
K-KNUCKLE

Rotatable in 5-degree aiming angle increments, fits 2-3/8" tenons or pipes. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



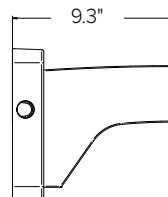
T-TRUNNION

Trunnion for surface and crossarm mounting using (1) 3/4" or (2) 1/2" size through bolts. Micro Strike configurations have a 45° aiming limitation. Strike configurations have a 30° aiming limitation.



WM-WALL MOUNT

Compatible with universal arm mount, adjustable arm mount, and decorative arm mount. The WA option uses the same wall bracket but replaces the decorative arm with an adjustable arm.



VIPER Area/Site

VIPER LUMINAIRE

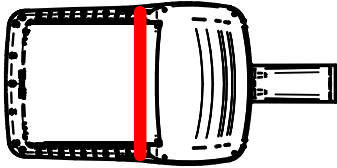
ADDITIONAL INFORMATION (CONTINUED)

HOUSE SIDE SHIELD FIELD INSTALL ACCESSORIES

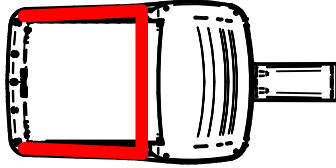
HSS has a depth of 5" for all Viper sizes

Not to be used with Occupancy Sensors as the shield may block the light to the sensor.

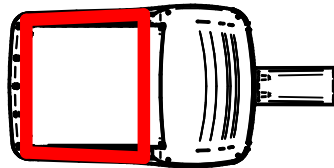
VPR2x HSS-90-B-xx



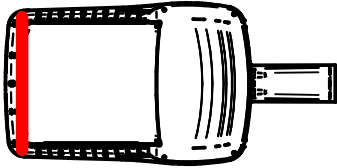
VPR2x HSS-270-BSS-xx



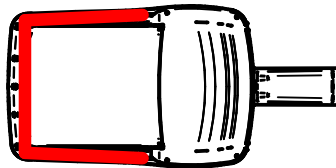
VPR2x HSS-360-xx



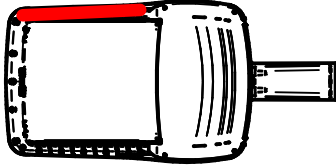
VPR2x HSS-90-F-xx



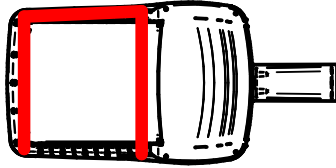
VPR2x HSS-270-FSS-xx



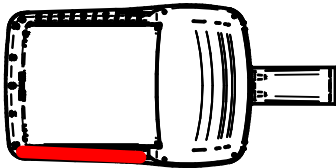
VPR2x HSS-90-S-xx



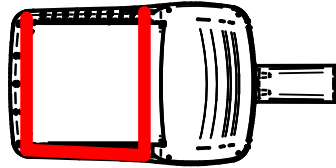
VPR2x HSS-270-FSB-xx



VPR2x HSS-90-S-xx



VPR2x HSS-270-FSB-xx





1/31/2023 3:01:05 PM

NATRONA COUNTY CLERK

Pages: 1

Tracy Good
Recorded: SA
Fee: \$12.00
First American Title Insurance Com

File No.: 4511-4018116 (KB)

1136089**WARRANTY DEED**

The Tetral Corporation, a Wyoming corporation, grantor(s) of **Natrona County, State of WY**, for and in consideration of Ten Dollars and Other Good and Valuable Consideration, in hand paid, receipt whereof is hereby acknowledged, Convey and Warrant To

NAP Nebraska, LLC, a North Dakota limited liability company, grantee(s),

whose address is: **Lots 11 and 12 Opportunity, Subdivision, Mills, WY 82604** of **Natrona County** and State of **WY**, the following described real estate, situate in **Natrona County** and State of **Wyoming**, to wit:

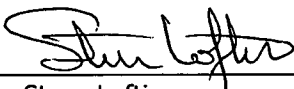
LOTS 11 AND 12, "OPPORTUNITY SUBDIVISION", AN ADDITION TO THE TOWN OF MILLS, NATRONA COUNTY, WYOMING ACCORDING TO THE PLAT RECORDED SEPTEMBER 11, 2017 AS INSTRUMENT NO. 1036450

Subject to all covenants, restrictions, reservations, easements, conditions and rights appearing of record.

Hereby releasing and waiving all rights under and by virtue of the homestead exemption laws of the State of Wyoming.

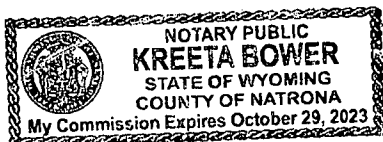
Witness my/our hand(s) this 31st day of JANUARY, 2023.


The Tetral Corporation, a Wyoming corporation

By: 
Name: Steve Loftin
Title: Corporate Vice President

State of **Wyoming**)
)ss.
County of **Natrona**)

This instrument was acknowledged before me on this 31 day of January, 2023 by **Steve Loftin**, the **Corporate Vice President** of **The Tetral Corporation**.




Notary Public

My commission expires: 10/29/23

Mills Planning & Zoning Board Meeting Minutes

April 3, 2025

Item #2.

Board Members Present: Chairman John Gudger, Vice-Chairman Chris Volzke, and Member Robin Baye

City Staff in Attendance: Megan Nelms, City Planner, Sabrina Kemper, Community Development Director, and Sarah Osborn, City Clerk

Chairman John Gudger called meeting to order at 5:32pm on April 3, 2025, as a quorum was present.

CONSENT AGENDA

Minutes

1. Approval of minutes from March 6, 2025

- a. Board Member Chris Volzke made a motion to approve the minutes. Board Member Robin Baye seconded the motion. Chairman Gudger called for a vote to pass the minutes of the March 5, 2025 P&Z meeting. All ayes, motion passed.

AGENDA ITEM

2. 25.02 DEV – Cross Country Freight Development Plan

- a. Chairman Gudger asked Megan to provide a summary
- b. Megan detailed the Commercial Site Plan, stating the applicant is proposing to construct a 4,300 square foot warehouse with associated loading docks and areas for a commercial transportation business. The property is located on Lots 11 & 12, Opportunity Subdivision, off TKS Ct just west of Salt Creek Hwy. The rear of the lots adjoins the intersection of Salt Creek Hwy and MJB Rd. It is zoned Light Industrial. The planning commission is tasked with reviewing development proposed development plans to ensure the site plan complies with all applicable regulations and for this case the application's been submitted for construction of the industrial warehouses as stated the site encompasses two lots totaling just under 5.0-acres. No structures are planned across the lot line and all required setbacks from structures are met.

i. Planning Considerations

1. Per Section 40.40 of the LDRs, a minimum of 4% of the site must be landscaped. Undisturbed, natural vegetation areas do not count towards required landscaping. The applicant has shown a landscaped area at the front of the proposed warehouse.
 - a. Provide additional information:
 - i. Revise the total area proposed to be landscaped on the site plan checklist
 - ii. Summary narrative of landscaping plan
 - iii. List of materials to be used in landscaping
 - b. Megan noted that she did forward a proposed landscaping plan concept earlier in the day.
2. Provide a final pavement design report for all parking and loading areas.
3. Enter into an approved Site Plan Agreement upon approval of the Development Plan.
4. Obtain all required building permits for construction, including all site lighting and on premise signage.
5. A single address will be assigned after approval of the site plan.

Mills Planning & Zoning Board Meeting Minutes

April 3, 2025

Item #2.

- c. Staff Recommendations
 - i. Staff recommends APPROVAL of the development plan upon all planning considerations being completed.
- d. Megan opened the floor for questions
 - i. Chairman Gudger questioned the landscape plan sent earlier in the day, stating that it was very generic and doesn't indicate the part of the site the landscaping was located. He also mentioned that there wasn't enough area around the trees to make sure they survived the harsh winters. He asked Megan if they are meeting the 4% requirement. Megan confirmed that they are meeting the 4%. She calculated the 4% again to make sure. The landscaped area came out to 2,900 square feet with is correct. The area is located near the front door on the plans sent earlier today. Chairman Gudger agreed they meet the requirements.
 - ii. Member Baye had a question about the storm water detention pond, asked if the landscaping butted up to the pond, asked if it will interfere. Megan asked Jason Myers with WLC Engineering to come forward and answer the question. Jason explained that it was going to be vegetated with native grass and the strip of landscaping that is shown on the plan behind the curb is an area 4-5 feet behind the curb, it is flat and that is where the plants will go. It will not be into the detention area. Member Baye asked if the majority of the lot is going to be asphalt and everything is set up as far as run off. Megan responded yes, the drainage study was included in the packet. Megan said she had the same questions and the packet was reviewed by Mr. Williams, the city engineer. He signed off on the location of the detention pond and the drainage study.
- e. Member Volzke wanted to make a general comment not related to this application. Just in general if a landscape plan had not been given to the board today, I feel the board would have tabled or denied this request. The application would have been incomplete. He didn't have a question but wanted it on the record that on a consistency standpoint, they would like a complete packed to discuss each month. As far as Agenda Item 2, he feels that the plan presented is consistent with what they would expect in that area, feels the development zoning is correct, and the considerations are reasonable.
 - i. Member Baye asked what kind of trucks the building will be bringing in, singles or doubles. The response was singles.
- f. Chairman Gudger stated that he feels that the board will need a preliminary development plan review before it comes to the board, so that they can avoid missing parts of an application.
- g. Chairman Gudger asked for a motion to approve the application in conjunction with addressing the city planning comments. Vice-Chairman Volzke made a motion for a due-pass on the development plan, he noted Megan's comment about adding a narrative to the landscaping, just so there is documentation. Member Baye seconded the motion. All ayes, motion passed.
- 3. Chairman Gudger asked Megan if there is anything the city can do like a preliminary review, before the applications go to P&Z board to make sure the application is complete. Megan responded, that the staff will start doing sufficiency reviews. Said that there was another applicant that wanted to do a last minute change and she said no and that they will need to resubmit next month. We are making progress and trying not to delay people in their project, but making sure we have enough information to make an informed recommendation. Duly

Mills Planning & Zoning Board Meeting Minutes

April 3, 2025

Item #2.

noted we will be doing sufficiency reviews on all applications. Member Baye asked a member of the audience if there was a checklist that would help. The attendee stated a checklist is there and adequate. Megan confirmed there is a checklist but sometimes things slip and at first glance. Chairman Gudger said as long as there is a sufficiency check prior and give the applicant enough time to respond before it comes to the board. Megan agreed and said it would be an internal discussion and right now they don't give themselves enough time between submitting and coming before the board, there about 2 and ½ weeks. She said all good feedback and much appreciated.

- a. Vice-Chairman Volzke commented that they are trying to strike the balance between making sure we're being a business friendly community for development to make sure that people know we have given them proper notice and not pushing them off for the next month. Also want to make sure a sufficient and complete packet in front of us.
4. Chairman Gudger opened the floor for public comments, no one spoke

Chairman Gudger adjourned the meeting at 5:49pm.