VILLAGE OF SUGAR GROVE
BOARD REPORT

TO:	VILLAGE PRESIDENT & BOARD OF TRUSTEES
FROM:	DANIELLE MARION, COMMUNITY DEVELOPMENT DIRECTOR
SUBJECT:	ORDINANCE: SUGAR GROVE TOWNSHIP PRELIMINARY AND FINAL CIVIC USE PUD
AGENDA:	SEPTEMBER 2, 2025
DATE:	AUGUST 21, 2025

ISSUE
Shall the Village Board approve an Ordinance granting a Preliminary Civic Use PUD for the Sugar Grove Township Highway Department and an Ordinance granting a Final Civic Use PUD for the Sugar Grove Township Highway Department.

DISCUSSION
At the previous Board meeting on August 19th the Board discussed the proposed Preliminary and Final Civic Use PUD. The Sugar Grove Township Highway Department recently gave up space they had on Main Street behind the community building in order for the Between Friends Food Pantry to locate here as they were in need of a larger space. This in return left the Highway Department with a need for a new space to store their equipment they had located here. The Highway Department came to the Village wishing to construct a new storage building on their existing property on First Street, due to the limitations in our Village Code with the current zoning and use of their property it was determined that the best route for them to take was to apply for a Civic Use PUD. The Civic Use PUD will bring the use of the property into compliance with the Village Code and allow them to build the new storage building.

The following are the deviations being requested by the Township. A majority of these deviations are just addressing existing conditions on the property.

1. The petitioner is requesting a deviation to waive the building setback requirements, with the minimum setback matching the smallest existing setback, which is 3 feet 3 inches.
2. The petitioner is requesting a deviation to allow factory finished corrugated metal panels for the new storage structure.
3. The petitioner is requesting a deviation to allow multiple buildings on the same lot.
4. The petitioner is requesting a deviation to allow accessory structures to have a building height up to 20 feet.

5. The petitioner is requesting a deviation to allow the lot coverage to be calculated as cumulative lot coverage for all parcels and to not exceed 70%.
6. The petitioner is requesting a deviation to allow the open storage area to have a hard surface of pavement or stone.
7. The petitioner is requesting a deviation to waive screening provisions for the property and to allow for an 8-foot-tall chain link fence in all yards around the property.
8. The petitioner is requesting a deviation to waive the submittal of the following items found in Section 11-11-6, pertaining to PUD Required Submittals: Landscape Plan / Tree Preservation Plan, Photometric Plan, Development Schedule, Architectural Drawings, Traffic Impact Study, Proposed Covenants, Utility Plan, School & Park Land and/or Cash Estimate, Kane – DuPage Land Use Study, Preliminary & Final Plat of Subdivision.

The Village Board discussed the proposal and did not express any concerns over the Preliminary and Final Civic Use PUD.

COST
All outside Village costs are the responsibility of the applicant.

ATTACHMENTS
Plan Commission Recommendation PC25-12
Ordinance approving the Preliminary PUD
Ordinance approving the Final PUD
Preliminary & Final PUD
Storage Building Drawings

RECOMMENDATION
That the Village Board approve the Ordinance approving the Preliminary PUD for the Sugar Grove Township Highway Department with the following conditions:

1. Village Engineer Approval
2. No outdoor storage shall be permitted
3. Should the Township vacate the site, the PUD will no longer be valid

That the Village Board approve the Ordinance approving the Final PUD for the Sugar Grove Township Highway Department with the following conditions:

1. Village Engineer Approval
2. No outdoor storage shall be permitted
3. Should the Township vacate the site, the PUD will no longer be valid

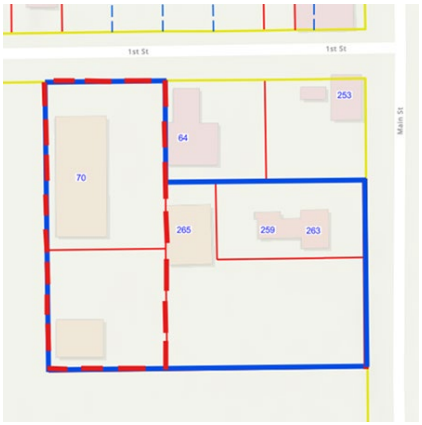
R E C O M M E N D A T I O N
PC25-12

TO:	Village President and Board of Trustees
FROM:	Planning Commission
DATE:	Meeting of August 19, 2025
PETITION:	25-011 Sugar Grove Township Highway Commission: Special Use; Preliminary & Final PUD

PROPOSAL

The applicant is requesting a Special Use Permit for a Preliminary and Final PUD, with numerous deviations. Section 11-11-3(D) of the Village Code, pertaining to Civic Use PUDs, permits the civic use to seek relief from the Village's bulk, site, architectural, and landscaping regulations. The proposed storage structure will be 40 feet by 40 feet and will be placed adjacent to the existing garage building on the southeast parcel. Because the primary purpose of the PUD request is to bring the already existing use into compliance with the Village Code and because the only development happening is the construction of the small storage structure, Staff deems the requested deviations acceptable.

LOCATION MAP



601 Heartland Drive
Sugar Grove, Illinois 60554
www.sugargroveil.gov
Phone (630) 391-7220
Facsimile (630) 391-7245

BACKGROUND & HISTORY

The subject property is the current location of the Sugar Grove Township Highway Department, which maintains the right-of-way on streets in unincorporated areas of the Township. The property consists of four separate parcels. The use of the property has been the Township for many years, however, due to the nonconforming nature of the structures on the property, no additional improvements can be made on the property without bringing the property into compliance with the current Village Code. The Township is proposing to construct a new storage building on the property and is therefore applying for a Planned Unit Development (PUD) to bring the entire property into compliance with the Village Code and to allow for the construction of the new structure. The Township is simultaneously applying to rezone the property, so the four parcels have the same zoning designation.

There are several deviations being requested as part of the PUD. The requested deviations are listed below:

1. The petitioner is requesting a deviation to waive the building setback requirements, with the minimum setback matching the smallest existing setback, which is 3 feet 3 inches.
2. The petitioner is requesting a deviation to allow factory finished corrugated metal panels for the new storage structure.
3. The petitioner is requesting a deviation to allow multiple buildings on the same lot.
4. The petitioner is requesting a deviation to allow accessory structures to have a building height up to 20 feet.
5. The petitioner is requesting a deviation to allow the lot coverage to be calculated as cumulative lot coverage for all parcels and to not exceed 70%.
6. The petitioner is requesting a deviation to allow the open storage area to have a hard surface of pavement or stone.
7. The petitioner is requesting a deviation to waive screening provisions for the property and to allow for an 8-foot-tall chain link fence in all yards around the property.
8. The petitioner is requesting a deviation to waive the submittal of the following items found in Section 11-11-6, pertaining to PUD Required Submittals: Landscape Plan / Tree Preservation Plan, Photometric Plan, Development Schedule, Architectural Drawings, Traffic Impact Study, Proposed Covenants, Utility Plan, School & Park Land and/or Cash Estimate, Kane – DuPage Land Use Study, Preliminary & Final Plat of Subdivision.

DISCUSSION

Commissioners discussed the proposal and briefly inquired about the following: the proposed storage shed, fencing, trees and landscaping, lighting, and the requested deviations. Foreman Bill Collins and Township Highway Commissioner, Doug Musser, satisfactorly addressed the Commissioners inquiries.

FINDINGS OF FACT

When considering special use requests, the Zoning Ordinance provides certain Standards to be considered. The Planning Commission hereby finds that the proposed Special Use:

a. Will be harmonious with and in accordance with the general objectives of the Comprehensive Land Use Plan and/or this zoning ordinance.
The special use will be in accordance with the zoning ordinance because it will align with the current use of the adjoining properties.

b. Will be designed, constructed, operated and maintained so as to be harmonious and appropriate in appearance with the existing or intended character of the general vicinity, and that such use will not alter the essential character of the same area.
The special use is owned by the same property owners as the adjacent lots and will be operated and maintained in the same manner. The design of the building is similar to the buildings on the adjacent properties and will not alter the general character of the area.

c. Will not be hazardous or disturbing to existing or future neighborhood uses.
No.

d. Will be adequately served by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, refuse disposal, water sewers and schools, or that the persons or agencies responsible for the establishment of the proposed use shall be able to provide adequately any such services.
The special use will not impact or alter any of the essential public facilities and services currently in place.

e. Will not create excessive additional requirements at public cost for public facilities and services, and will not be detrimental to the economic welfare of the Village.
The special use will not impact the economic welfare of the Village.

f. Will not involve uses, activities, processes, materials, equipment and/or conditions of operation that will be detrimental to any persons, property or the general welfare by reason of excessive production of traffic, noise, smoke, fumes, glares or odors.
The special use will not generate excessive traffic, noise, smoke, fumes, glare, or odors to the neighboring properties.

g. Will have vehicular approaches to the property which shall be so designed as to not create an undue interference with traffic on surrounding public streets or highways.
The special use will not have any additional vehicular traffic that will interfere with the current traffic on surrounding public streets and highways.

h. Will not increase the potential for flood damage to adjacent property, or require additional public expense for flood protection, rescue or relief.
The special use will not increase the impervious area and will not impact or require any additional flood protection or storm water management plan at public expense.

i. Will not result in the destruction, loss or damage of natural, scenic or historic features of major importance to the Village.
No.

EVALUATION

The PUD will bring the property into compliance with the Village Code and allow for the construction of the new storage shed.

Generally, this use is required to conform to the Village of Sugar Grove Special Use Standards. The following evaluation is based on the Special Use Standards.

1. Land Use/General – The use of the property remains unchanged.

2. Existing Conditions – The subject property is the current location of the Sugar Grove Township Highway Department.

3. Lots & Buildings – The proposed storage structure will not negatively affect the property or alter the character of the surrounding area.

PUBLIC RESPONSE

After due notice, the Planning Commission held a public hearing on July 16, 2025. The public did not express any concerns.

RECOMMENDATIONS

After carefully considering the facts, the Planning Commission recommends the Village Board **approve** the Special Use Permit for a Preliminary Planned Unit Development for the Township of Sugar Grove property located near the southwest corner of 1st and Main St, subject to the following conditions:

1. Township Supervisor must sign off on the project prior to Village Board approval;
2. Village Engineer approval;
3. No outdoor storage shall be permitted;

4. should the Township vacate the site, the PUD will no longer be valid.

The Planning Commission also recommends the Village Board **approve** the Special Use Permit for a Final Planned Unit Development for the Township of Sugar Grove property located near the southwest corner of 1st and Main St, subject to the following conditions:

1. Township Supervisor must sign off on the project prior to Village Board approval;
2. Village Engineer approval;
3. No outdoor storage shall be permitted;
4. should the Township vacate the site, the PUD will no longer be valid.

AYES: Rockwell, Coia, Guddendorf, Airhart, Bieritz

NAYES: None

ABSENT: Sabo

Motions Passed

Village of Sugar Grove
Kane County, Illinois

Ordinance No.: 2025-0902CD3

Special Use for a FINAL Planned Unit Development
(Sugar Grove Township Road District)

Adopted by the

Village Board

of the

Village of Sugar Grove

September 2, 2025

Published in pamphlet form by
Authority of the Village Board
of the Village of Sugar Grove,
Kane County, September 2, 2025

_____ (seal)

Village Clerk

VILLAGE OF SUGAR GROVE
KANE COUNTY, ILLINOIS

ORDINANCE NO.: 2025-0902CD3

Special Use for a FINAL Planned Unit Development
(Sugar Grove Township Road District)

WHEREAS, the Village of Sugar Grove ("Village") is not a home rule municipality within Article VII, Section 6A of the Illinois Constitution, and accordingly, acts pursuant to the powers granted to it under 65 ILCS 5/1-1 *et seq.* and other applicable statutes; and,

WHEREAS, the Illinois Municipal Code, 65 ILCS 5/11-13-1.1 provides that the corporate authorities of any municipality may in its ordinances provide for the classification of special uses, including planned unit developments; and,

WHEREAS, the Village President and Board of Trustees of the Village ("Village Board") have adopted a zoning ordinance, which has been amended from time to time, which establishes a process for the approval of planned unit developments and final plans related thereto; and,

WHEREAS, Sugar Grove Township Highway Commission ("Applicant"), has requested approval of a Final Planned Unit Development Plan for property on First and Main Street ("Final PUD"), with the subject property legally described in Exhibit "A", attached hereto and incorporated herein by reference ("Property"); and,

WHEREAS, the Planning Commission/Zoning Board of Appeals held a meeting on July 16, 2025, to consider the Final PUD, at which time the Planning Commission/Zoning Board of Appeals recommended approval of the Preliminary PUD as described in their report PC Recommendation 25-12; and,

WHEREAS, the Village Board has reviewed the request and has deemed that Final PUD complies with the standards as set forth in the Zoning Ordinance of the Village of Sugar Grove and concurs with the recommendation of the Planning Commission/Zoning Board of Appeals subject to the following conditions:

1. Village Engineer Approval
2. No outdoor storage shall be permitted
3. Should the Township vacate the site, the PUD will no longer be valid

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS, AS FOLLOWS:

SECTION ONE: INCORPORATION OF RECITALS

The foregoing recital clauses are incorporated herein and adopted as the findings of fact by the Village Board of the Village of Sugar Grove.

SECTION TWO: APPROVAL OF PRELIMINARY PLANNED UNIT DEVELOPMENT PLAN

Pursuant to Section 11-11-6-D of the Village of Sugar Grove Zoning Ordinance, Planning Commission/Zoning Board of Appeals has confirmed that the final plan submittals are in conformity with the final plan development ordinance. Accordingly, the Village Board hereby establishes that the Final PUD, attached hereto as Exhibit "B" and made a part hereof by this reference, is hereby approved on the Property.

SECTION THREE: GENERAL PROVISIONS

REPEALER: All ordinances or portions thereof in conflict with this ordinance are hereby repealed.

SEVERABILITY: Should any provision of this ordinance be declared invalid by a court of competent jurisdiction, the remaining provisions will remain in full force and effect the same as if the invalid provision had not been a part of this ordinance.

EFFECTIVE DATE: This ordinance shall be in full force and effect from and after its passage, approval and publication in pamphlet form as provided by law.

PRESENTED, PASSED AND APPROVED by the President and the Board of Trustees of the Village of Sugar Grove, Kane County, Illinois, on this 2ND , day of September, 2025.

_____
Sue Stillwell, Village President

_____
Tracey R. Conti, Village Clerk

BOARD VOTE:

	Aye	Nay	Absent	Abstain	Recuse
Trustee Heidi Lendi					
Trustee Matthew Bonnie					
Trustee Sean Michels					
Trustee Anthony Speciale					
Trustee Nora London					
Trustee Michael Roskopf					

EXHBIT A

THAT PART OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED SA FOLLOWS: COMMENCING AT THE CENTER OF SECTION 21, THENCE SOUTH ALONG THE HALF SECTION LINE TO THE INTERSECTION OF THE CENTER LINE OF FIRST STREET FOR A POINT OF BEGINNING; THENCE SOUTH 198 FEET ALONG A LINE PARALLEL WITH THE HALF SECTION LINE; THENCE WEST 120 FEET ALONG A LINE PARALLEL WITH THE CENTER LINE OF FIRST STREET; THENCE NORTH 198 FEET TO THE CENTER OF FIRST STREET; THENCE EAST 120 FEET TO THE POINT OF BEGINNING, ALL IN THE VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS, CONTAINING 0.56 ACRES, NOT INCLUDING THE STREET SITUATED.

THAT PART OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE CENTER OF SECTION 21; THENCE SOUTH ALONG THE HALF SECTION LINE TO THE INTERSECTION OF THE CENTER LINE OF FIRST STREET; THENCE WEST 233 FEET ALONG THE CENTER LINE OF FIRST STREET; THENCE SOUTH PARALLEL WITH THE HALF SECTION LINE, 198.00 FEET FOR THE POINT OF BEGINNING; THENCE SOUTH 119 FEET ALONG A LINE PARALLEL WITH THE HALF SECTION LINE; THENSE WEST 120 FEET ALONG A LINE PARALLEL WITH THE HALF SECTION LINE; THENCE EAST 120 FEET PARALLEL WITH THE CENTER LINE OF FIRST STREET TO THE POINT OF BEGINNING; ALL IN THE VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS, CONTAINING 0.30 ACRES.

THAT PART OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, DAF COMMENCING AT THE NORTHEAST CORNER OF SAID SOUTHWEST QUARTER, THENCE SOUTH ALONG THE EAST LINE OF SAID SOUTHWEST QUARTER 307 FEET; THENCE WEST 176.5 FEET FOR THE POINT OF BEGINNING, THENCE WEST 51 FEET, THENCE SOUTH 186 FEET THENCE EASTERLY 227.5 FEET TO A POINT ON THE EAST LINE OF SAID SOUTHWEST QUARTER, 491 FEET SOUTH OF THE NORTHEAST CORNER THEREOF, THENCE NORTH ALONG SAID EAST LINE 100 FEET, THENCE WEST 176.6 FEET, THENCE NORTH 85 FEET TO THE POINT OF BEGINNING (EXCEPT THAT PART FALLING IN MAIN STREET), IN THE VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS.

THAT PART OF THE SOUTHEAST QUARTER SECTION 21, TOWNSHIP 38 NORTH RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID SOUTHWEST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID SOUTHWEST QUARTER, 316.0 FEET THER POINT OF BEGINNING; THENCE SOUTH ALONG SAID EAST LINE, 75.0 FEET; THENCE WEST 176.50 FEET; THENCE NORTH 75.0 FEET; THENCE EAST 176.50 FEET TO THE POINT OF BEGINNING (EXCEPT THAT PART FALLING IN MAIN STREET) IN THE VILLAGE OF SUGAR GROVE, KANE COUNTY, ILLINOIS.

PRELIMINARY PUD PLAN
NEW STORAGE BUILDING
SUGAR GROVE HIGHWAY COMMISSION
70 1st STREET, SUGAR GROVE, IL 60554

SITE SUMMARY:

NARRATIVE / LAND USE:
NEW STORAGE SHED FOR SUGAR GROVE HIGHWAY COMMISSION PROPERTY. UTILITY WORK PROPOSED IS RELOCATED STORM SEWER AND ELECTRIC SERVICE FOR SHED.

PROJECT LOT ACREAGE: 0.57 AC
DISTURBED PROJECT AREA: 0.07 AC

AREAS SUMMARY

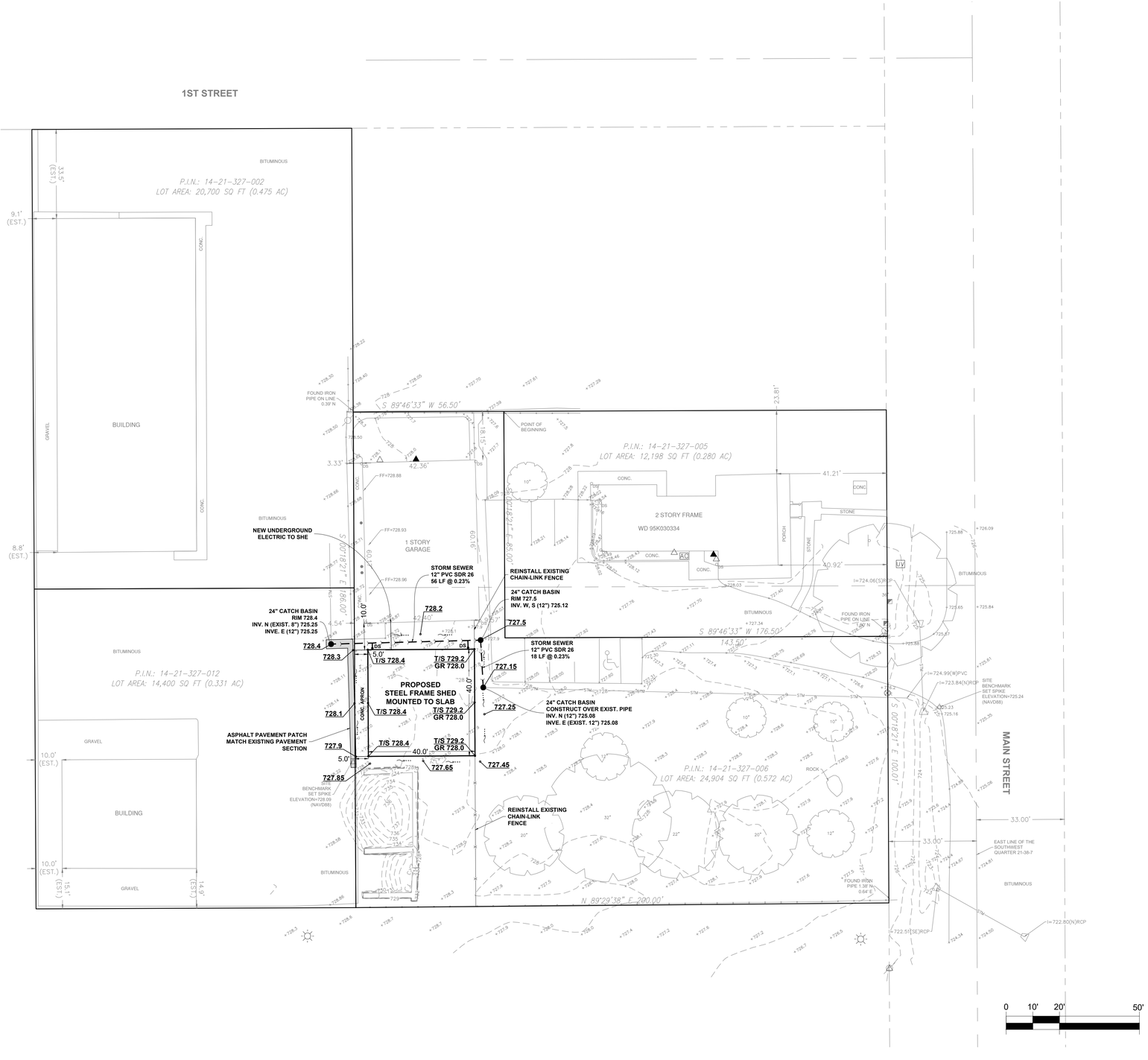
P.I.N.: 14-21-327-002
LOT AREA: 20,700 SQ FT (0.475 AC)
IMPERVIOUS COVERAGE: 20,530 SQ FT (99.2%)*

P.I.N.: 14-21-327-012
LOT AREA: 14,400 SQ FT (0.331 AC)
IMPERVIOUS COVERAGE: 14,167 SQ FT (98.4%)*

P.I.N.: 14-21-327-005
LOT AREA: 12,198 SQ FT / 0.280 AC
IMPERVIOUS COVERAGE: 6,410 SQ FT (52.5%)

P.I.N.: 14-21-327-006
LOT AREA: 24,904 SQ FT / 0.572 AC
IMPERVIOUS COVERAGE: 7,860 SQ FT (31.6%)

*IMPERVIOUS AREAS ESTIMATED FROM AERIAL PHOTO



	PAVEMENT LEGEND
	ASPHALT PAVEMENT PATCH MATCH EXISTING PARKING LOT SECTION
	CONCRETE PAVEMENT 6" PORTLAND CEMENT CONCRETE CLASS SI w/6X6 1/1.4 WWF 6" COMPACTED AGGREGATE BASE COURSE CA-6

N

PROJECT STAFF		ISSUE	REVISIONS	DATE
PROJECT MANAGER:	M. OPLAWSKI P.E.	1	ISSUED FOR PERMIT	06-04-2025
ENGINEER:		2	REVISED PER VILLAGE COMMENTS	06-24-2025
ENGINEER:				
TECHNICIAN:	E. KALCHIK			

BCI
BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
847.692.0555
bono@bonoconsulting.com
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
630.820.3555
rwalker@bonoconsulting.com
DESIGN FIRM NO. 184.006897-0002

SME
SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

PRELIMINARY PUD PLAN
NEW STORAGE BUILDING
70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 24, 2025
SCALE:	1"=20'

SHEET NUMBER
PUD-1

FINAL PUD PLAN
NEW STORAGE BUILDING
SUGAR GROVE HIGHWAY COMMISSION
70 1st STREET, SUGAR GROVE, IL 60554

SITE SUMMARY:

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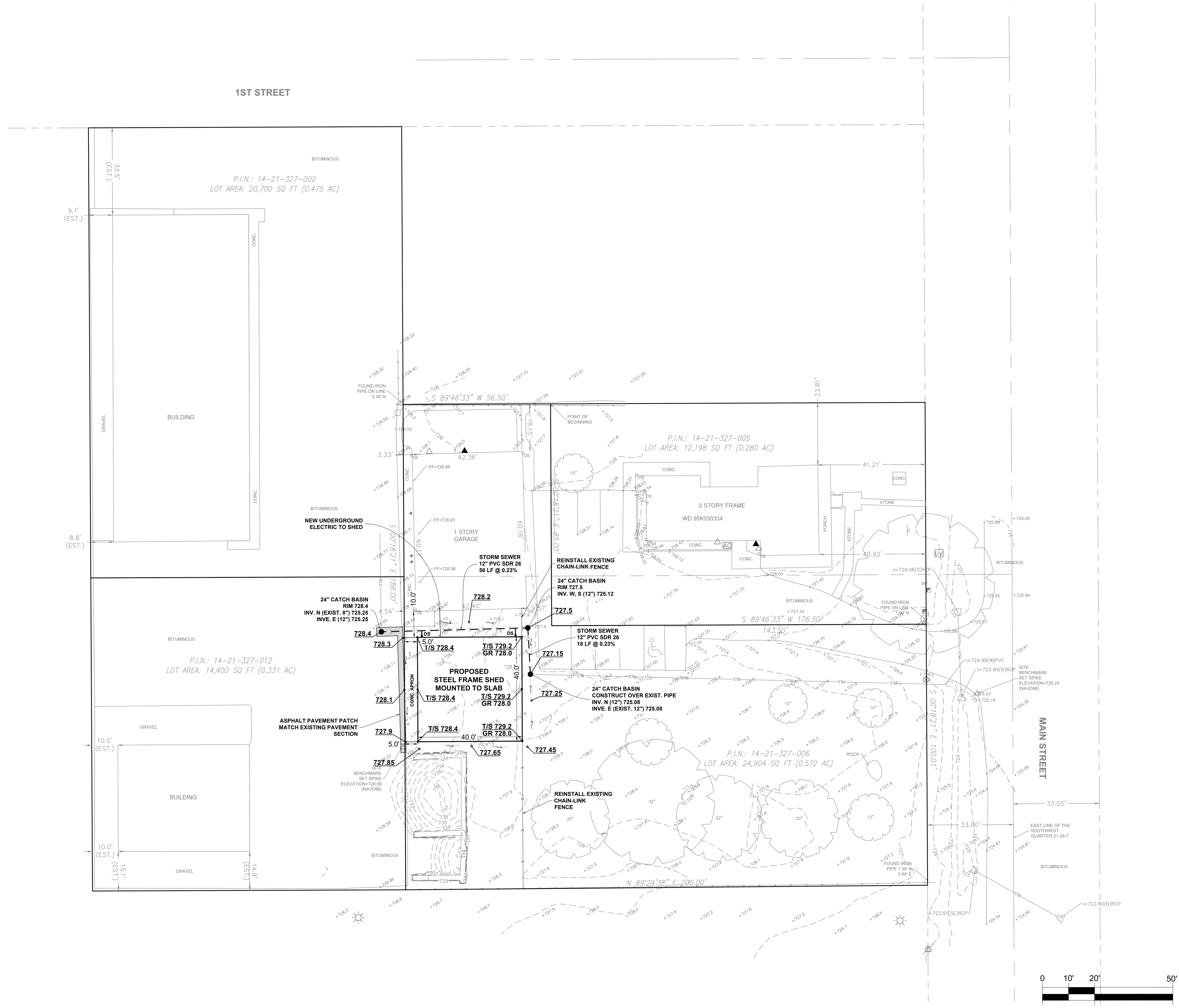

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PROJECT STAFF	
PROJECT MANAGER:	M. OPLAWSKI P.E.
ENGINEER:	
ENGINEER:	
TECHNICIAN:	E. KALCHIK

ISSUE	REVISIONS	DATE
1	ISSUED FOR PERMIT	06-04-2025
2	REVISED PER VILLAGE COMMENTS	06-24-2025

BCI BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company

SME SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE

FINAL PUD PLAN
NEW STORAGE BUILDING
70 1ST ST, SUGAR GROVE, IL 60554

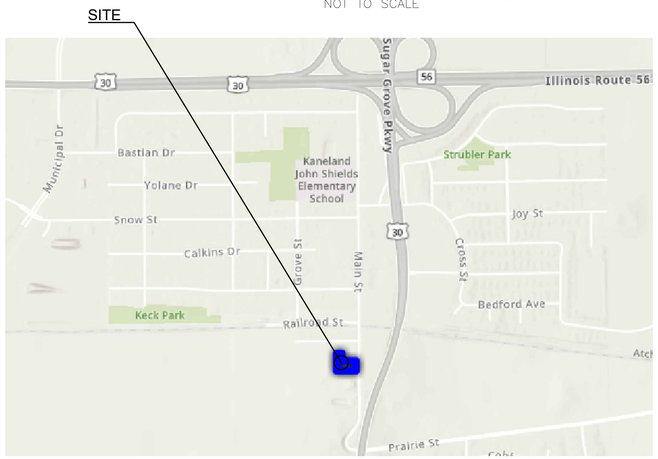
PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 24, 2025
SCALE:	1"=20'

SHEET NUMBER
PUD-2

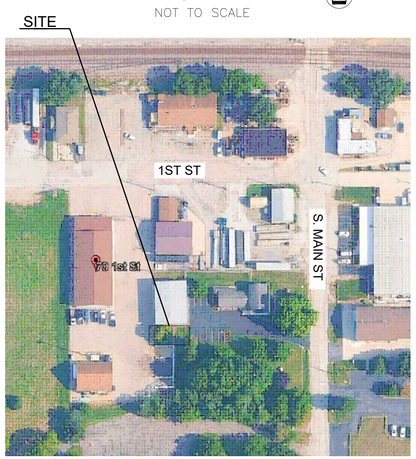
SW $\frac{1}{4}$
SECTION: 21
TOWNSHIP: 38N
RANGE: 7E

NEW STORAGE BUILDING
SUGAR GROVE HIGHWAY COMMISSION
70 1ST STREET, SUGAR GROVE, IL 60554

LOCATION MAP
NOT TO SCALE



AERIAL MAP
NOT TO SCALE



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DISTURBED PROJECT AREA: 0.07 AC

DRAWINGS LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED WATERMAIN
- EXISTING TREE
- REMOVE TREE
- TEMPORARY TREE FENCE
- TEMPORARY SILT FENCE
- SWALE [PROPOSED]
- STORM STRUCTURE
- SANITARY STRUCTURE
- CLEANOUT
- B BOX
- WOOD UTILITY POLE
- LIGHT POLE
- FLARED END SECTION (F.E.S.)
- WATER VALVE VAULT / WATER METER
- SIGN
- FIRE HYDRANT
- INLET FILTER BASKET

SURVEY LEGEND

LEGEND & ABBREVIATIONS:

UTILITY POLE	MANHOLE	P.O.C.	POINT OF COMMENCEMENT
LIGHT POLE	SANITARY MANHOLE	P.O.B.	POINT OF BEGINNING
TRANSFORMER	STORM STRUCTURE (CLOSED)	°	DEGREES
UTILITY PEDESTAL	STORM STRUCTURE (OPEN)	'	FEET/MINUTES
TRAFFIC SIGNAL	CURB INLET	"	INCHES/SECONDS
SIGNAL VAULT	VALVE VAULT	S.F.	SQUARE FEET
UTILITY VAULT	CLEAN OUT	(REC)	RECORD BEARING/DISTANCE
GAS VALVE	FLARED END SECTION	TF	TOP OF FOUNDATION
WATER VALVE	WATER LINE	FF	FINISHED FLOOR
ELECTRIC METER	TELEPHONE/CATV LINE	TP	TOP OF PIPE
GAS METER	GAS LINE	B.S.L.	BUILDING SETBACK LINE
FIRE HYDRANT	ELECTRIC LINE	P.U.E.	PUBLIC UTILITY EASEMENT
AUTO SPRINKLER	OHW OVERHEAD WIRES	D.E.	DRAINAGE EASEMENT
MONITORING WELL	STM STORM SEWER	L	ARC LENGTH
GROUND LIGHT	SAN SANITARY SEWER	R	RADIUS LENGTH
BOLLARD	CHAIN LINK FENCE	C	CHORD LENGTH
B-BOX	STOCKADE FENCE	CB	CHORD BEARING
SIGN	GUARD RAIL	CMP	CORRUGATED METAL PIPE
FLAG POLE	IRON FENCE		CONCRETE SURFACE

NOTES:

LOCATION OF UTILITIES SHOWN HEREON IS CERTIFIED AT SURFACE STRUCTURES ONLY. UNDERGROUND LINES AS SHOWN ARE ESTIMATED LOCATIONS BASED ON AVAILABLE VISIBLE EVIDENCE, ENGINEERING PLANS AND OUR BEST JUDGMENT. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES IN THE VICINITY OF ANY PROPOSED CONSTRUCTION SHALL BE VERIFIED BY EXCAVATION.

THE BASIS OF BEARINGS IS THE ILLINOIS STATE PLANE COORDINATE SYSTEM.

A J.U.L.I.E. LOCATE FOR THE UNDERGROUND UTILITIES WAS NOT PROVIDED AT THE TIME OF THE SURVEY. UNDERGROUND UTILITIES SHOWN ARE BASED ON OBSERVED EVIDENCE IN THE FIELD AND OUR BEST JUDGEMENT. LACKING EXCAVATION, THE TYPE AND LOCATION OF SAID UTILITIES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED.

FOR BUILDING LINES, EASEMENTS AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR DEED, TITLE POLICY, ZONING ORDINANCE, ETC

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE FOR UTILITY LOCATES A MINIMUM OF 48 HOURS IN ADVANCE OF BEGINNING EXCAVATION.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB SITE.
3. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS AS REQUIRED, PRIOR TO COMMENCING CONSTRUCTION.
4. THE ILLINOIS DEPARTMENT OF TRANSPORTATION " STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND ALL ADDENDA THERETO, AND VILLAGE OF SUGAR GROVE REQUIREMENTS SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT.
5. THE " STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION, SHALL GOVERN THE UNDERGROUND WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THESE SPECIFICATIONS, OR WHERE IN CONFLICT WITH VILLAGE OF SUGAR GROVE STANDARDS.
6. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS AND VILLAGE OF SUGAR GROVE REGULATIONS AND STANDARDS,AND SHALL CONFIRM IN ALL RESPECTS TO ALL STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON JOB SITE.
7. THE CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ANY UTILITY LOCATIONS SHOWN ON THE PLANS ARE BASED ON AVAILABLE RECORDS AND ARE FOR GENERAL DIRECTION ONLY.
8. CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL, DEBRIS, ASPHALT AND CONCRETE ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY, THE CONTRACTOR SHALL REMOVE MATERIALS DEPOSITED ONTO PUBLIC STREETS AND ALLEYS.
9. PUBLIC STREETS AND ALLEYS SHALL BE RESTORED PROMPTLY MEETING VILLAGE OF SUGAR GROVE STANDARDS AND SPECIFICATIONS.
10. THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATION AND LOCATION OF ALL EXISTING UTILITIES AND APPURTENANCES PRIOR TO CONSTRUCTION, TO AVOID INTERFERENCES.
11. APPROPRIATE PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO AND TO PROTECT EXISTING UTILITIES AND APPURTENANCES IN THE VICINITY OF WORK.
12. ALL BUILDING LAYOUTS SHOULD BE DONE BY A REGISTERED LAND SURVEYOR AFTER CONFIRMING THE PROPERTY CORNERS IN THE FIELD. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO INITIATING CONSTRUCTION.

SITE PLAN NOTES:

A. SITE LAYOUT HAS BEEN PREPARED BASED UPON OWNER DIRECTION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT OWNER DIRECTION CHANGES MAY EXIST, THEREFORE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
B. EXISTING TOPOGRAPHY BY JLH SURVEYING. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
C. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITEWORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
D. SITE BOUNDARY INFORMATION TAKEN FROM PLAT OF SURVEY BY JLH SURVEYING.
E. BUILDING IMPROVEMENTS HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT LOCATIONS AND DIMENSIONS OF UTILITY ENTRANCE LOCATIONS.
F. THE CONTRACTOR SHALL ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO PROPOSED GRADES AS INDICATED ON PLANS.
G. THERE ARE NO SPECIAL CONDITIONS PRESENT ON THIS SITE:
H. ROUTING OF GAS, ELECTRIC AND TELEPHONE SERVICES IF SHOWN ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE BASED UPON FINAL REVIEW AND APPROVAL BY RESPECTIVE UTILITY COMPANIES AND OWNER. CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY AND COORDINATE FINAL LOCATIONS FOR ALL UTILITY SERVICES PRIOR TO START OF CONSTRUCTION.
I. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE

Note: The exact location of all utilities shall be verified by the contractor prior to construction activities. For utility locations call:
J.U.L.I.E. 1 (800) 892-0123

CONTACT INFORMATION

VILLAGE OF SUGAR GROVE FIRE PROTECTION DISTRICT
(630) 466-4513

VILLAGE OF SUGAR GROVE POLICE
(630) 391-7250

VILLAGE OF SUGAR GROVE PUBLIC WORKS
(630) 466-8954

COMED
(800) 344-7661

NICOR (24-HR EMERGENCY)
(888) 642-6748

LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
MONICA C. OPLAWSKI
062-070963

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

Monica Oplawski — 06-04-2025
SIGNATURE — DATE

MY LICENSE EXPIRES ON NOVEMBER 30, 2025

INDEX TO SHEETS

REVISIONS			DATE
	1	ISSUED FOR PERMIT	06-04-2025

PROJECT STAFF
PROJECT MANAGER: M. OPLAWSKI P.E.
ENGINEER:
ENGINEER:
TECHNICIAN: E. KALCHIK

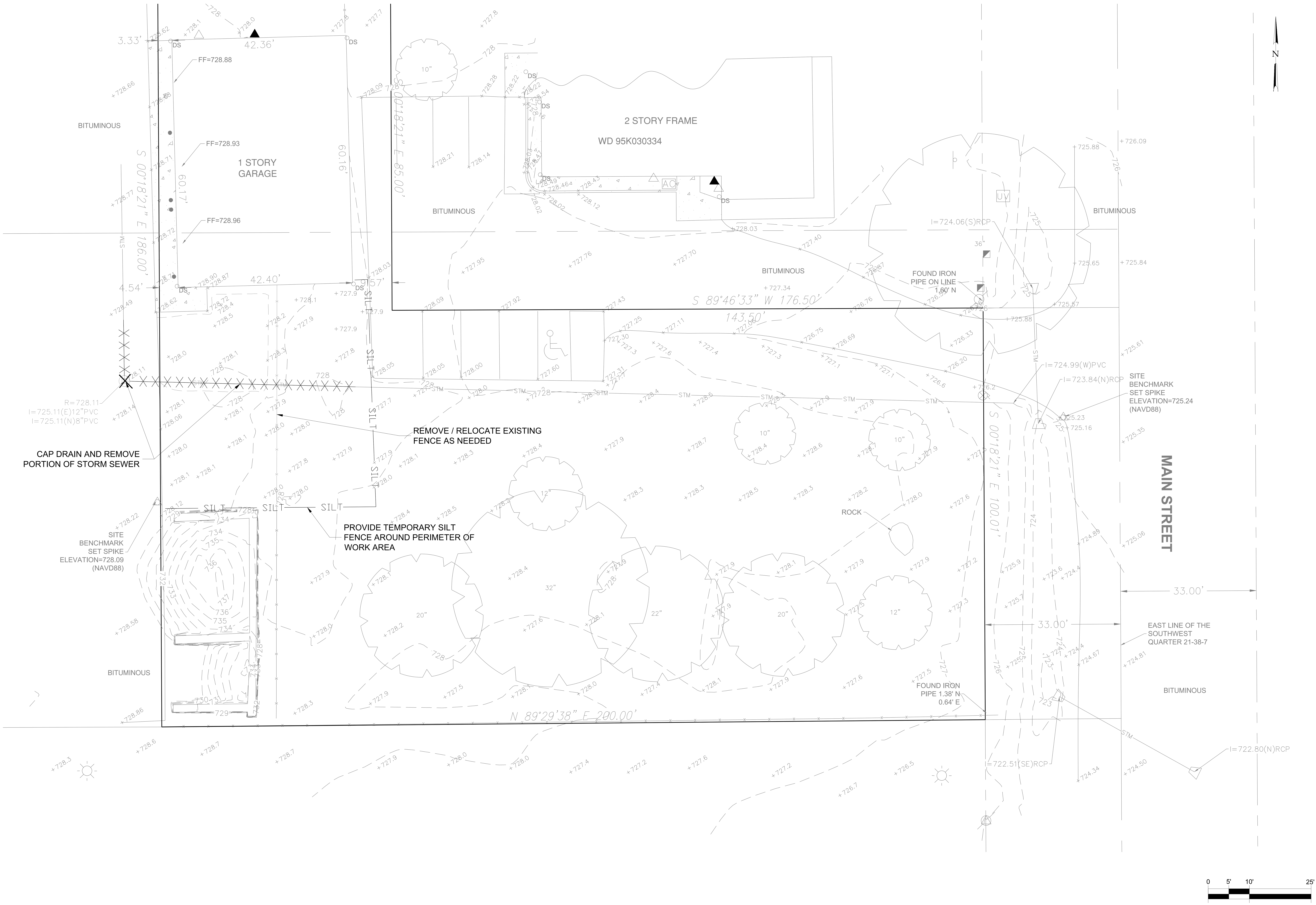
BCI
BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
(847) 692-6300
bbono@bonoconsulting.com
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
(630) 820-6300
rwalker@bonoconsulting.com
DESIGN FIRM NO. 184.006897-0002

SME
SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

COVER SHEET
NEW STORAGE BUILDING
70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 4, 2025
SCALE:	N.T.S.

SHEET NUMBER
C-0.0



PROJECT STAFF
PROJECT MANAGER: M. OPLAWSKI P.E.
ENGINEER:
ENGINEER:
TECHNICIAN: E. KALCHIK

ISSUE	REVISIONS	DATE
1	ISSUED FOR PERMIT	06-04-2025

BCI
BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
847-823-3300
bbono@bonoconsulting.com
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
331-229-3512
rwalker@bonoconsulting.com
DESIGN FIRM NO. 184.008857-0002

SME SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

EXISTING CONDITIONS, DEMOLITION, AND EROSION CONTROL PLAN

NEW STORAGE BUILDING

70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.: 250728
BASE FILE:
SHEET FILE:
ISSUE DATE: JUNE 4, 2025
SCALE: 1"=10'-0
SHEET NUMBER
C-1.0

POINT OF BEGINNING

BITUMINOUS

1 STORY GARAGE

FF=728.88

FF=728.93

FF=728.96

S 00°18'21" E 186.00'

60.17'

60.16'

3.33'

42.36'

42.40'

4.54'

NEW UNDERGROUND ELECTRIC TO SHED

24" CATCH BASIN
RIM 728.4
INV. N (EXIST. 8") 725.25
INVE. E (12") 725.25

STORM SEWER
12" PVC SDR 26
56 LF @ 0.23%

728.2

10.0'

727.5

REMOVE & RELOCATE EXISTING FENCE

24" CATCH BASIN
RIM 727.5
INV. W, S (12") 725.12

728.4

728.3

5.3'

DS

T/S 728.4

T/S 729.2
GR 728.0

727.15

STORM SEWER
12" PVC SDR 26
18 LF @ 0.23%

ASPHALT PAVEMENT PATCH MATCH EXISTING PAVEMENT SECTION

PROPOSED STEEL FRAME SHED MOUNTED TO SLAB

40.0'

CONC. APRON

728.1

727.25

24" CATCH BASIN
CONSTRUCT OVER EXIST. PIPE
INV. N (12") 725.08
INVE. E (EXIST. 12") 725.08

727.9

727.45

727.65

727.85

REMOVE & REPLACE PORTION OF EXISTING FENCE (AS NEEDED)

SITE BENCHMARK
SET SPIKE
ELEVATION=728.09
(NAVD88)

2 STORY FRAME

WD 95K030334

AC

UV

BITUMINOUS

S 89°46'33" W 176.50'

143.50'

FOUND IRON PIPE ON LINE 1.60' N

I=724.06(S)RCP

I=724.99(W)PVC

I=723.84(N)RCP

SITE BENCHMARK
SET SPIKE
ELEVATION=725.24
(NAVD88)

ROCK

MAIN STREET

S 00°18'21" E 100.01'

33.00'

33.00'

EAST LINE OF THE SOUTHWEST QUARTER 21-38-7

FOUND IRON PIPE 1.38' N 0.64' E

N 89°29'38" E 200.00'

I=722.51(SE)RCP

I=722.80(N)RC

STM

N

0 5' 10' 25'

	PAVEMENT LEGEND
	ASPHALT PAVEMENT PATCH MATCH EXISTING PARKING LOT SECTION
	CONCRETE PAVEMENT 6" PORTLAND CEMENT CONCRETE CLASS SI w/6X6 1/1.4 WWF 6" COMPACTED AGGREGATE BASE COURSE CA-6

PROJECT STAFF		ISSUE	REVISIONS	DATE
PROJECT MANAGER:	M. OPLAWSKI P.E.	1	ISSUED FOR PERMIT	06-04-2025
ENGINEER:				
ENGINEER:				
TECHNICIAN:	E. KALCHIK			

BCI
BONO CONSULTING CIVIL ENGINEERS
A Sieve & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
847-692-6555
bbono@bonoconsulting.com
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
630-820-9555
rwalker@bonoconsulting.com
DESIGN FIRM NO. 184.005697-0002

SME
SEVER & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

PROPOSED SITE PLAN & GRADING PLAN

NEW STORAGE BUILDING

70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 4, 2025
SCALE:	1"=10'

SHEET NUMBER

C-2.0

VILLAGE OF SUGAR GROVE
STANDARD NOTES FOR GENERAL NOTES

1. A preconstruction meeting shall be held prior to the start of any construction, including the installation of tree protection and soil erosion control measures. The Contractor shall notify the Village Engineer a minimum of 10 days in advance of starting any work. The Village Engineer will coordinate the preconstruction meeting with the Village Staff, Fire District, Police Department, Park District, Township, and Kane County Department of Transportation. The Developer/Owner, the General Contractor, and all major subcontractors shall attend the meeting.
2. In addition to the formal preconstruction meeting at the beginning of the project, a preconstruction meeting shall be held on site before each major work item (i.e. underground work, curbs and gutter, paving, etc.). The General Contractor and the foreman to complete the work shall attend the meeting at a minimum. The Village Engineer shall be contacted 48 hours in advance of the meeting so that the meeting can be coordinated with the appropriate Public Works staff members and other agencies.

   J.U.L.I.E. markings should be recent and visible at the time of the meeting.
3. The IDOT "Standard Specifications for Road and Bridge Construction" latest edition and revisions, the "Standard Specifications for Water and Sewer Main Construction in Illinois", latest edition and revisions thereto, these improvement plans and details, special provisions and codes and ordinances of the Village of Sugar Grove, Illinois shall govern applicable portions of this project. If conflicts arise, the strictest of the requirements shall govern.
4. Locations of utilities shown on plans are approximate only, and are not necessarily complete. Contractor shall make his own investigations as to location and elevation of all existing underground structures, cables, utilities and pipe lines.
5. If existing utility lines of any nature are encountered which conflict in location with new construction, the contractor shall notify the project engineer and Village so that the conflict may be resolved.
6. The contractor shall be responsible for the protection of all private and public utilities even though they may not be shown on the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the project engineer, the Village, and/or the utility company by the contractor at his own expense.
7. The contractor shall notify J.U.L.I.E. (1-800-892-0123) at least ten days prior to construction so that each utility company can stake out any underground improvements that they may have which might interfere with the proposed construction.
8. The contractor shall be required to make arrangements for the proper bracing, shoring and other required protection of all roadways, structures, poles, cables and pipe lines, before construction begins. The contractor shall be responsible for any damage to the streets or roadways and associated structures and shall make repairs as necessary to the satisfaction of the Village Engineer and Village at the contractor's own expense.
9. The contractor shall obtain, erect, maintain and remove all signs, barricades, flagmen and other control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Article 107.14 of the IDOT Standard Specifications, the "Standard Specifications for Traffic Control Items".
10. The contractor shall be responsible for providing safe and healthful working conditions throughout the construction of the proposed improvements.
11. Before acceptance and release of the surety by the Village and final payment, all work shall be inspected and approved by the Village Engineer.
12. The contractor will have in his possession on the job site at all times a copy of the Village approved plans and specifications during construction.
13. The contractor shall restore any area disturbed to a condition equal to or better than its original use and to the satisfaction of the Village Engineer. This shall include finish grading, excess stone removal establishment of a vegetative cover (seeding or sod), general cleanup and pavement replacement.
14. No unprotected excavation shall remain open over any weekend. Overnight open excavations shall be satisfactorily protected and meet all OSHA requirements.
15. With the exception of curb inlets, utility structures shall not be constructed in paved areas, including roadways, sidewalks, curb and gutter, and/or trails.
16. Trench backfill shall be provided at all utility trenches and removal of utility trenches in all paved areas and 2 feet beyond, including roadways, curbs and gutter, sidewalk, trails, and driveways. Initial trench backfill and bedding shall be graded CA-7 stone. The Village Engineer can approve the option to use flowable fill (CLSM) IDOT Mix #2 in lieu of the stone. The final trench backfill shall be CA-6 crushed aggregate and shall be compacted in place to ninety five percent (95%) of maximum density at optimum moisture as determined by the modified standard proctor test.
17. Curb protection is required at all times.
18. Tree protection shall be installed on site prior to the start of any construction.
19. Prior to the start of underground utilities, the site shall be rough graded to within 1 foot of the final grade.
20. Marking Of Valve Vaults, Buffalo Boxes And Manholes: All main line valve vaults, buffalo boxes and manholes shall be marked at the time of construction with a four inch by four inch (4" x 4") hardwood post neatly installed vertically with a minimum three feet (3') bury and a minimum four feet (4') exposed. The top one foot (1') of the post shall be painted as follows: blue for water and green for sanitary sewers.
21. All final adjustments of castings will be accomplished by the use of concrete (or other approved material) adjusting rings set in butyl rope joint sealant; mortar joints will not be allowed. Height of adjusting rings shall not exceed eight inches (8") or exceed two (2) rings.
22. At a minimum, all parkways within the dedicated street right of way shall be graded, foreign materials removed, topsoil placed to a minimum thickness of four inches (4"), erosion control blanket placed, and seeded (Class 1A minimum unless otherwise specified) or sodded in an approved manner. Sidewalks, trails, and parkway trees shall be properly installed and approved prior to acceptance and release of sureties.
23. Absolutely no substitutions or variances will be permitted to any of the Village of Sugar Grove Standard Notes or Ordinances unless approved otherwise by the Village IN WRITING prior to commencing construction activity.

VILLAGE OF SUGAR GROVE
STANDARD NOTES FOR SOIL EROSION AND SEDIMENTATION CONTROL

1. General

a) On site sediment control measures, as specified below, shall be constructed and functional prior to initiating clearing, grading, stripping, excavation or fill activities on the site.
b) The Contractor shall provide Soil Erosion and Sedimentation Control in accordance with Village ordinances, Village Standard Specifications for Improvements, "Standards and Specifications For Soil Erosion And Sediment Control" (the yellow book), the Illinois Urban Manual (latest edition), and in accordance with the approved plans, the Kane County Stormwater Management Ordinance, the Village's MS4 Permit, and as applicable both the Stormwater Pollution Prevention Plan and the Notice of Intent as issued by the Illinois Environmental Protection Agency (IEPA).
c) The Contractor shall be responsible for maintaining a log of the conditions of the soil erosion and sedimentation control measures per the National Pollutant Discharge Elimination System (NPDES) (regional or project specific) permit requirements. The contractor is obligated to review and record the status of the soil erosion and sedimentation control measures at minimum every week and after every ½" rainfall event. This log shall be kept on site, and the Village and/or Village Engineer reserves the right to review this log upon request. Soil erosion and sedimentation control measures shall be cleaned and restored as required.
d) The Village Engineer or his representative will have the authority to stop work if proper soil stabilization and sedimentation controls are not being observed.
e) Any deficiencies in soil erosion and sedimentation control measures will be reported to the Illinois Environmental Protection Agency.

2. Soil Stabilization

a) Topsoil Stripping - Stripped topsoil shall be stockpiled on-site (for reuse) at the location(s) designated on the approved plans and stabilized accordingly.
b) Temporary Seeding - Temporary seeding shall be provided within 7 days to any disturbed areas that are scheduled to remain denuded for longer than 15 days.
c) Permanent Seeding - Immediately following finish grading and topsoil placement, seeding or sod shall be installed in areas as designated on plans.
d) Dust Control - Under dry conditions where soil migration is an issue, the contractor will be required to wet the exposed unprotected soil surface with watering trucks to effectively eliminate soil migration. Grading activities producing dust must be suspended until the nuisance is abated. If, at the Village Engineer's discretion, proper dust control is not being observed, an order to immediately stop work will be issued until proper dust control measures are implemented.
e) Paved Areas - The aggregate base course should be installed as soon as possible to stabilize the exposed soil subgrade. In certain conditions and as recommended by a geotechnical professional, lime stabilization of roadway sub-grade may be approved by the Village Engineer. Village Engineer approval must be obtained IN WRITING prior to lime stabilization.
f) Slope Protection - Steep slopes may require additional stabilization, in addition to seeding, such as mulch, geotextiles, sod, or equal.

3. Sediment Control

a) For projects disturbing greater than 1 acre, the project shall comply with IEPA regulations with a Notice of Intent and Stormwater Pollution Prevention Plan.
b) For disturbed areas more than one acre, a sediment trap or equivalent control measure shall be constructed at the downslope point of the disturbed area.
c) Sediment basin and sediment trap designs shall provide for both detention storage and sediment storage. The detention storage shall be composed of equal volumes of wet detention storage and dry detention storage, and each shall be sized for the 2-year, twenty-four (24) hour runoff from the site under maximum runoff conditions during construction. The release rate of the basin shall be that rate required to achieve minimum detention times of at least ten (10) hours. The elevation of the outlet structure shall be placed such that it only drains the dry detention storage.
d) Adjacent Property Protection -Adjacent properties shall be protected from sediment deposition by preserving a vegetated buffer strip (minimum width of 25 feet) or sediment barriers (e.g. silt fence) at the lower perimeter of the lot. Where possible, both a vegetated buffer strip and sediment barrier shall be installed.
e) Stockpile Protection - Sedimentation barriers shall be provided in all areas around the perimeter of stockpile areas.
f) Storm Sewer Inlet Protection - During construction sediment shall be filtered through a filter fabric barrier around all front, side, or backyard inlets before it enters newly constructed storm sewer (straw bales are not allowed). The Village recommends all storm sewer inlet structures (including roadway and front, side, or backyard structures) utilize IPP Inlet Filters™, Marathon Materials, Inc. "Catch All Inlet Protector" sediment control inlet filters or approved equal to properly manage sediment control and to minimize storm sewer televising and cleaning which would otherwise be required prior to Village acceptance of the storm sewer system. All inlet filters shall be properly maintained until such time as all areas tributary to a particular inlet have been adequately vegetated as determined by the Village Engineer.
g) Ditch Protection - Rock dams shall be installed as ditch checks and staked in place at 250 lineal feet maximum spacing in all swales. If ditch slopes are severe, closer spacing of ditch checks may be required. Straw bales and silt fences are not allowed as ditch checks.
h) Construction Access - Construction traffic shall enter and leave the site at a designated access. Provisions shall be made to minimize the transport of sediment by runoff or vehicle tracking onto state/county/township highways or local streets. Truck washing facilities may be required. If necessary, highways or local streets shall be cleaned daily at the end of each workday or as required by the Village Engineer to keep mud and/or other debris off of any highway or street.
i) Roadway Cleaning & Street Sweeping - Roadways shall be kept clean during the course of construction by utilizing manual cleaning, street sweepers,.or other machinery. Upon the installation of the final surface course of the roadway, absolutely no heavy machinery (e.g. skid steer, endloader) shall be utilized for roadway cleaning.
j) Removal of Control Measures - After final site stabilization is deemed achieved by the Village Engineer, all temporary erosion and sediment control measures shall be removed within 30 days.

4. Field Review

a) The Village Engineer or their representative shall make field reviews as described below, and shall either state that the portion of the work is completed satisfactorily or shall notify the Developer when the work fails to comply with the site development or erosion and sedimentation control plan as approved. In order to obtain field reviews and to ensure compliance with the approved erosion and sediment control plan, the grading or building permit, and this title, the Developer shall notify the Village Engineer within two (2) working days of the completion of the construction stages specified below:
   1. Upon completion of installation of sediment and runoff control measures (including perimeter controls and diversions), prior to proceeding with any other earth disturbance or grading;
   2. After stripping and clearing;
   3. After rough grading;
   4. After final grading;
   5. After seeding and landscaping deadlines; and
   6. After final stabilization and landscaping, prior to removal of sediment controls.
b) If stripping, clearing, grading and/or landscaping are to be done in phases or areas, the Developer shall give notice and request a field review at the completion of each of the above work stages in each phase or area. If a field review is not made and notification of the results given within five (5) working days after notice is received from the Developer, the Developer may continue work at his own risk, without presuming acceptance by the Village. Notification of the results of the inspection shall be given in writing to the Developer.

VILLAGE OF SUGAR GROVE
STANDARD NOTES FOR STORM SEWER CONSTRUCTION

1. General

a) All work and material shall be in accordance with Village ordinances, Village Standard Specifications for Improvements, and the "Standard Specifications for Water and Sewer Main Construction In Illinois" (latest edition). In case of conflict, the more stringent of the requirements shall apply.
b) The stormwater drainage system shall be separate and independent of the sanitary sewer system.
c) All storm sewer structures, other than curb inlets and curb catch basins shall be marked at the time of construction with a 4" x 4" hardwood post neatly installed vertically with a minimum 4 feet bury and a minimum 4 feet exposed. The top 1 foot of the post shall be neatly painted green.

2. Storm Sewer

a) Storm sewer within or adjacent to the right of way shall be constructed of reinforced concrete pipe (RCP) conforming to the ASTM designation C-76, Class III or better. Other materials for storm sewers may be used in special cases upon the written approval of the Village Engineer. Any flexible pipe storm sewer systems so approved by the Village Engineer shall be subject to mandrel testing, for all sections, 30 days following installation.
b) Joints for all concrete storm sewers shall be of the bituminous mastic type, except when otherwise required by the Illinois Environmental Protection Agency or the Village Engineer.
c) All storm sewers that encroach within fifteen feet (15') of any building foundation shall be 'O'-ring, or other rubber, gasketed joints as per the ASTM C-443 specification.
d) Existing groundwater drain tiles encountered on site shall be connected to storm sewers with the use of a manhole or shall be restored to operating condition at the direction of the Village Engineer. Existing groundwater drain tiles that enter the site from other properties shall be connected to the new storm sewer system with the use of a manhole.
e) All closed storm structure lids shall have "Sugar Grove" and "Storm" cast into them and shall be the concealed pick hole type.

3. Manholes, Frames and Lids

a) All manholes, catch basins, and inlets shall be reinforced precast concrete and shall be sealed with Butyl rope joint sealant unless approved otherwise by the Village Engineer in high groundwater or high moisture soil areas.
b) Storm sewer structures shall be sized such that a minimum of 12 inches of precast concrete structure is provided between all pipe openings. In paved areas, manhole castings shall be IDOT Type 1 Neenah R-1713 frame and lid, EJIW 1050, or approved equal. In non-paved areas, where closed lids are needed, use Neenah R-4340-B, EJIW 6512, or approved equal.
c) In areas of hot-mix asphalt pavement, the space around the casting, a minimum of 18" from the casting, shall be filled with Class PP-2 concrete to a minimum depth of 10 inches and matching the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. In areas of concrete pavement, the space around the casting, a minimum of 18" from the casting, shall be filled with Class PP-2 concrete to a minimum depth of 10 inches and matching the elevation of the finished pavement surface.
d) All catch basins and inlets will be backfilled with CA-7 crushed limestone or crushed gravel to allow for sub-grade seepage. If sub-grade conditions are excessively wet, excessively sensitive to moisture or special conditions exist, a capped perforated pipe stubbed from the structure may be required.
e) For M-3.12 curb and gutter under ponding or continuous grade conditions, inlet and/or catch basin frames and grates shall be Neenah R-3501-P, EJIW 7525, or approved equal. For B-6.12 curb and gutter under ponding conditions, inlet and/or catch basin frames and grates shall be Neenah R-3281-A with Type M1 grate, EJIW 7210 with Type M1 grate, or approved equal. For B-6.12 curb and gutter under continuous grade conditions, inlet and/or catch basin frames and grates shall be Neenah R-3281-AL, EJIW 7210 with Type M4 vane grate & T1 back or approved equal. When additional grate capacity is needed in ponding conditions to handle the tributary flow, additional inlet structures shall be utilized. In cases where storm sewer inlets are used in depressed barrier curb areas, use Neenah No. R-3506-B, or approved equal. In rear yards and all other turf applications (except roadside ditch drainage applications) catch basins shall use use Neenah R-4340-B, EJIW 6512, or approved equal. Roadside ditch drainage structures shall be evaluated on a case by case basis.
f) No more than two (2) pre-cast concrete or other approved material adjusting rings, not exceeding 8 inches thickness, may be used for curb inlets or curb catch basins. In all other storm sewer applications, not more than 2 precast concrete or other approved materialadjusting rings shall be used, totaling no more than 8 inches, on any structure.

VILLAGE OF SUGAR GROVE
STANDARD NOTES FOR PARKING LOT CONSTRUCTION

1. Construction materials and methods for parking lot construction shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", latest edition, and Village code. If a conflict arises, the more restrictive requirement will apply.
2. Prior to the construction of any parking lot pavement, all of the major underground work shall be completely installed.
3. The Village Engineer shall be notified 48 hours prior to the pouring of the curb and gutter in order to review the aggregate base and string line/formwork of the curb and gutter. The curb and gutter within the parking lot shall be machine placed and shall be completed in a monolithic installation unless previously approved by the Village Engineer.
4. Curing and weather protection of all exposed concrete surfaces shall be in accordance with the IDOT Standard Specifications, latest edition, including any revisions. No honeycombing of the concrete will be accepted.
5. Proofrolls are required on the sub-grade and aggregate base, as well as binder course when required by the Village Engineer. The proof roll shall be witnessed by the Village Engineer. The Village Engineer shall be provided a minimum of 48 hours advanced notice prior to the proofroll. Each proofroll shall be at the cost of the Contractor and shall be to the satisfaction of the Village Engineer as follows:
   a. A loaded truck provided by the Contractor shall be driven over the area to be tested at a speed pattern and number of cycles to be determined by the Village Engineer. The test truck shall be the common tractor trailer type with no more than five (5) axles with a total of eighteen (18) wheels loaded to a net weight of no less than twenty two (22) tons. The load ticket shall be provided the Village Engineer for record.
   b. Any unstable or damaged subgrade, aggregate sub-base, or binder course shall be removed and replaced to the satisfaction of the Village Engineer at no cost to the Village.
   c. The Village Engineer is responsible for indicating whether the proofroll passes or fails. The Contractor is responsible for determining how to fix any unsatisfactory areas.
6. The Village Engineer shall be notified 48 hours prior to the start of any paving.
7. Final placement of hot mix asphalt surface course shall be delayed for a minimum of one full winter unless otherwise approved by the Village and Village Engineer. Before the placement of the surface course, all underground utility punch list items for final inspection shall be completed and approved. Also, the binder course patches must be completed and the curb and gutter repaired as required by the Village Engineer. All parkway improvements shall be completed prior to surface course to avoid unnecessary movements on the surface.
8. The hot mix asphalt binder course and surface course mixtures shall be laid on a surface, which is dry and only when weather conditions meet all standards stated in the IDOT Standard Specifications for Road and Bridge Construction. The hot mix asphalt binder course shall be placed only when the temperature in the shade is at least forty degrees Fahrenheit (40°F), when the temperature in the shade for the previous twenty four (24) hours is at least thirty two degrees Fahrenheit (32°F) and when the forecast is for rising temperatures. The surface course shall be placed only when the temperature in the shade is at least forty-five degrees Fahrenheit (45°F), when the temperature in the shade for the previous twenty-four (24) hours is at least forty degrees Fahrenheit (40°F), and when the forecast is for rising temperatures.
9. Immediately prior to placing hot mix asphalt surface course, the pavement shall be thoroughly cleaned, flushed (if needed) and primed with bituminous materials (SS-1) at a rate not to exceed one-tenth (0.1) gallon per square yard. When bituminous materials (SS-1) are applied under traffic conditions, sanding at the approximate rate of four (4) pounds per square yard will be required.
10. All hot mix asphalt shall be delivered and handled so that the hot mix asphalt immediately behind the paver screen is at or above two hundred seventy degrees Fahrenheit (270°F). All asphalt delivered to the project shall be covered when the temperature is at or below seventy degrees Fahrenheit (70°F).
11. The mix design shall be submitted the Village Engineer 48 hours in advance of paving.
12. All testing shall be per IDOT specifications. A certified nuclear density technician must be on site to set the asphalt pavement rolling pattern and confirm compaction densities. The technician shall revise the rolling pattern as deemed necessary. The technician shall stop the paving operation if the required densities are not being met. Density test results shall be submitted to the Village Engineer within one week of completion of the paving operation. The Contractor shall be responsible for Quality Control testing. The Village reserves the right to perform Quality Assurance testing. The Village Engineer reserves the right to stop paving operations if the Contractor does not have a qualified tester on site at the start of the paving operations.

REVISIONS			DATE
	1	ISSUED FOR PERMIT	06-04-2025

PROJECT STAFF

PROJECT MANAGER: M. OPLAWSKI P.E.
ENGINEER:
ENGINEER:
TECHNICIAN: E. KALCHIK

SME
SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

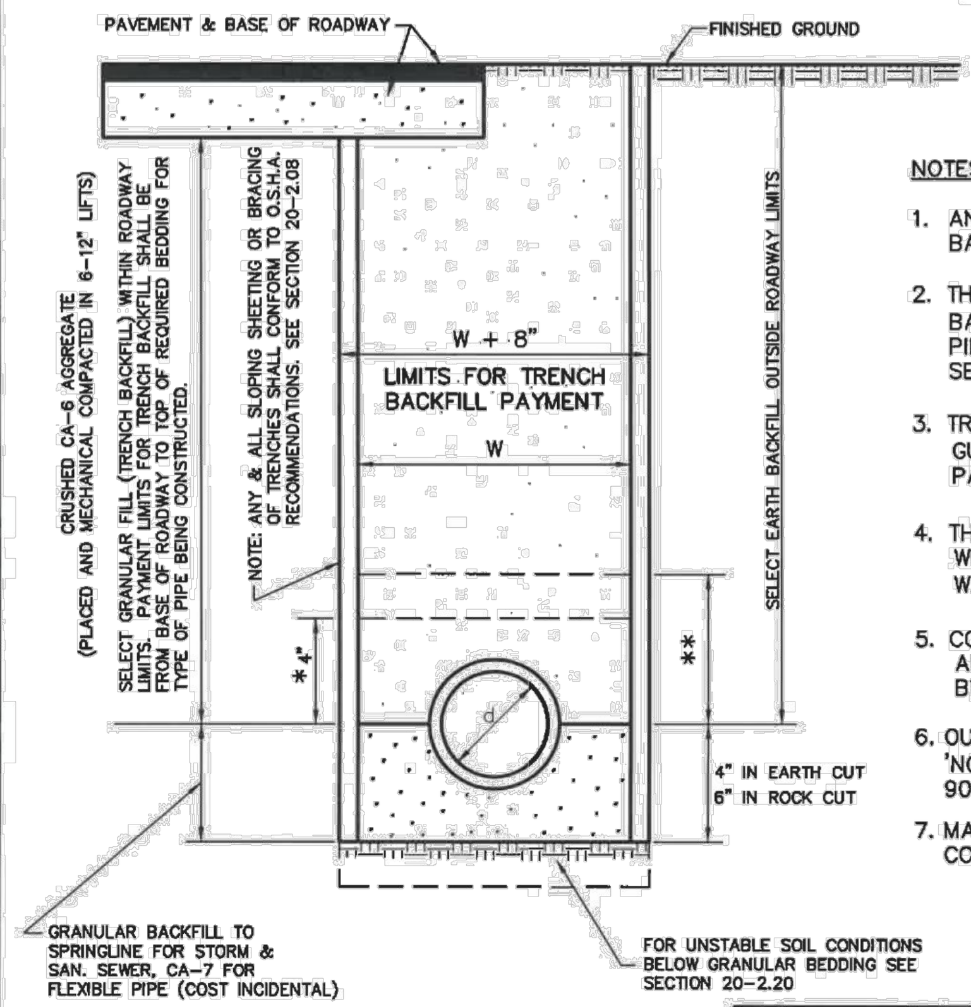
BCI
BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
(847) 823-0500
bbono@bonoconsulting.com
DESIGN FIRM NO. 184.009857-0002
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
(630) 820-9500
rwalker@bonoconsulting.com

SUGAR GROVE NOTES

NEW STORAGE BUILDING
70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 4, 2025
SCALE:	NA

SHEET NUMBER
C-3



*4" ALL RIGID PIPE INSTALLATION

** CA-7 AGGREGATE TO 1.0' OVER TOP OF PIPE FOR FLEXIBLE PIPE

NOTES:

1. ANY FLARE OR EXCAVATION BEYOND THE LIMITS SPECIFIED SHALL BE BACKFILLED ACCORDINGLY AT THE EXPENSE OF THE CONTRACTOR.
2. THE PROVIDING AND INSTALLATION OF THE CA–7 AGGREGATE BACKFILL FROM HEIGHT SPECIFIED TO 4" BELOW THE BOTTOM OF THE PIPE SHALL BE INCIDENTAL TO THE UNIT COST OF THE TYPE OF SEWER BEING CONSTRUCTED.
3. TRENCH BACKFILL LIMITS SHALL BE DEFINED AS 2' BEHIND CURB AND GUTTERS AND 2' BEYOND AGGREGATE SHOULDERS, SIDEWALKS, BIKE PATHS, OR OTHER PAVED AREAS.
4. THE BOTTOM WIDTH OF THE TRENCH (W) SHALL NOT EXCEED THE WIDTHS STATED IN THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. (LATEST EDITION)
5. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE ACTUAL AMOUNT OF GRANULAR TRENCH BACKFILL REQUIRED. NO ADJUSTMENT TO BID PRICE WILL BE ALLOWED UNLESS THERE IS A CHANGE IN THE PLANS.
6. OUTSIDE THE LIMITS FOR TRENCH BACKFILL, (AS DESCRIBED IN NOTE 3) 'NON–STRUCTURAL' FILL MATERIAL SHALL BE MANUALLY COMPACTED TO 90% OF THE STANDARD PROCTOR DENSITY.
7. MANUAL COMPACTION IS THE ONLY ACCEPTABLE FORM OF BACKFILL COMPACTION; JETTING IS NOT ALLOWED.

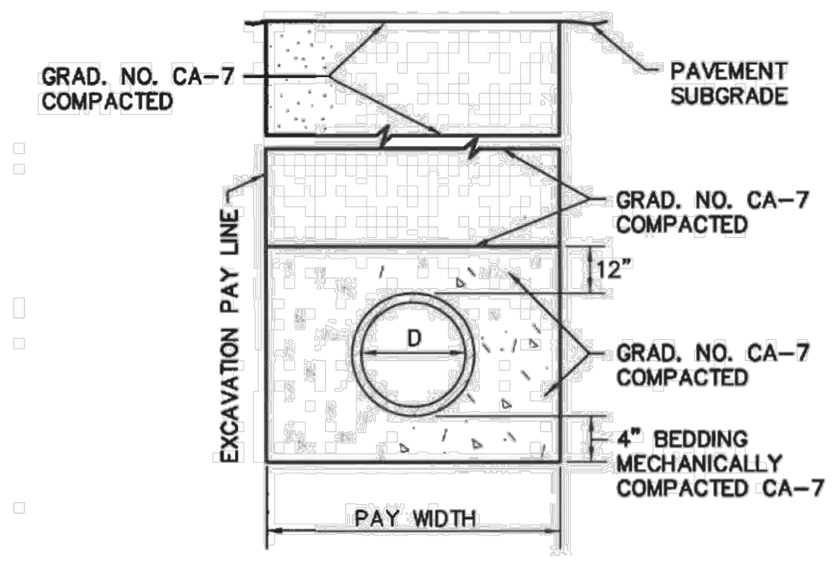
A-3

TYPICAL TRENCH DETAIL

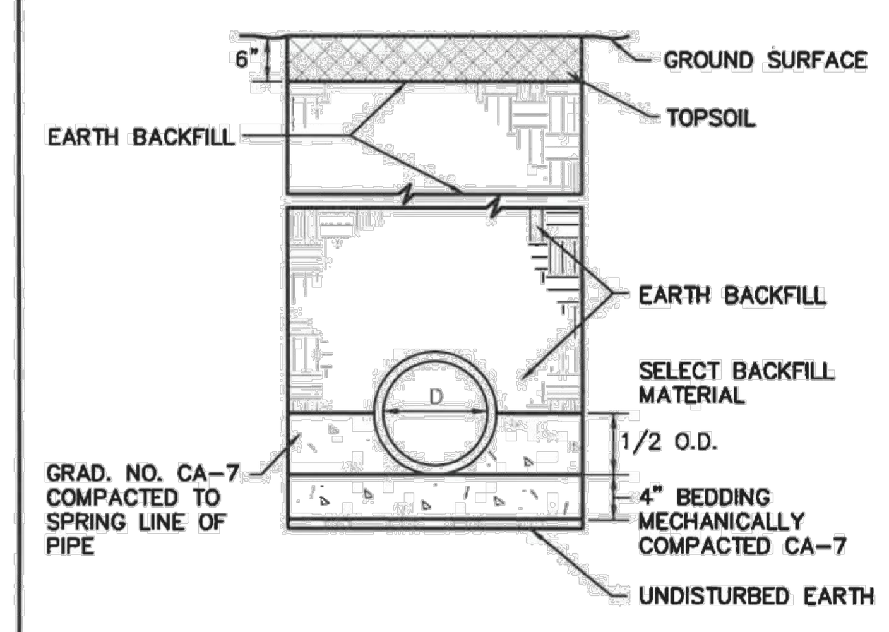
Village of Sugar Grove
10 Municipal Drive
Sugar Grove, Illinois 60554
Phone: (630) 391–7200

SCALE: N.T.S. | DATE: 4/2/24 | FOLDER: SG-MI | DRAWING NUMBER: 01 | DRAWN BY: KKP | REVISED:

USE PAVED AREAS TRENCH SECTION FOR UTILITIES UNDER AND WITHIN 2' OF PAVEMENT



SECTION IN PAVED AREAS



SECTION IN GRASS AREAS

A-24

STORM SEWER TRENCH DETAIL

Village of Sugar Grove
10 Municipal Drive
Sugar Grove, Illinois 60554
Phone: (630) 391–7200

SCALE: N.T.S. | DATE: 4/2/24 | FOLDER: SG-ST | DRAWING NUMBER: 11 | DRAWN BY: CLN | REVISED:

R–4340–B SERIES OR EAST JORDAN 6527 ROUND BEHIVE GRATE

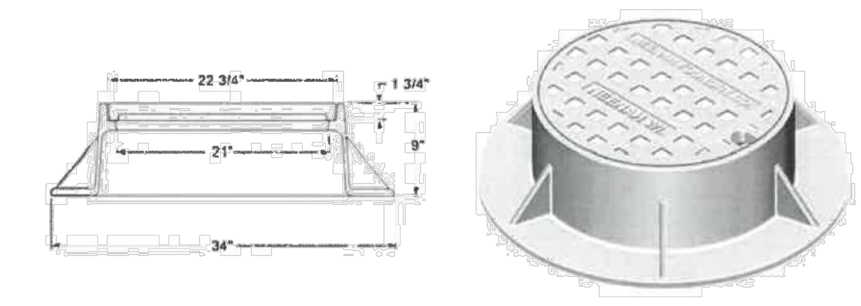
Dimensions in inches

Catalog No.	O Dia.	O.D. Lugs	Dia. Bhv.	Ht. Bhv.	No. Lugs	Size Bars	Size Op.	Pipe Size
R-4340-A	34	26 1/4	23 7/8	6	*	1 1/2	1	24
R-4340-B	33	23	23	2	6	2	1 1/2	24
R-4340-C	33	29	23	5 3/4	4	1	1 1/4	24
R-4340-F	33	28	25	5	4	1	1	24
R-4340-F1 **	25 1/2	21 3/4	17	3	4	1	1	18
R-4340-G **	28	18	19	3	3	1 3/4	2	15
R-4340-H	25	15	17	3	3	1 5/8	1 3/4	12

* Furnished with ring instead of lugs.
** Frame not available.
Grate flange lettered "DUMP NO WASTE – DRAINS TO RIVER"

Illustrating R-4340-B

R–1713 FRAME AND LID, EJIW 1050 OR APPROVED EQUAL



NOTE:

TYPE D GRATES TO BE USED FOR OPEN LIDS. CLOSED LIDS SHALL HAVE "VILLAGE OF SUGAR GROVE" AND "STORM" CAST INTO THE LID.

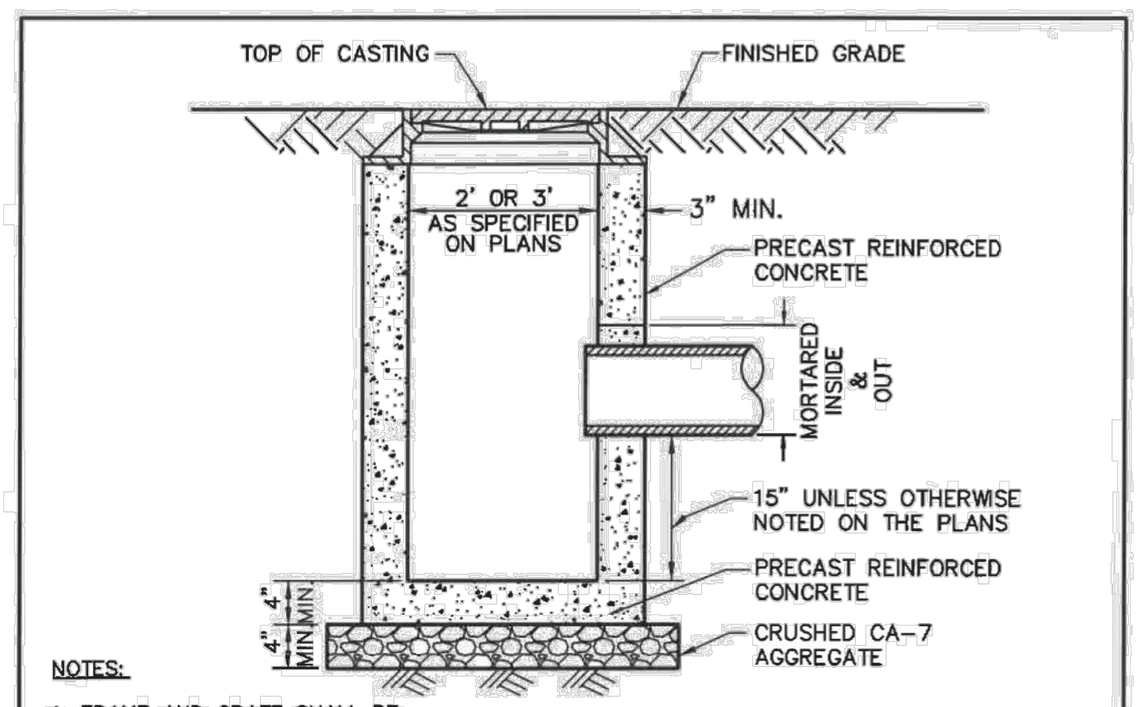
Illustrating type D cover – flat

A-22

STANDARD CASTINGS

Village of Sugar Grove
10 Municipal Drive
Sugar Grove, Illinois 60554
Phone: (630) 391–7200

SCALE: N.T.S. | DATE: 4/2/24 | FOLDER: SG-ST | DRAWING NUMBER: 07 | DRAWN BY: CLN | REVISED:



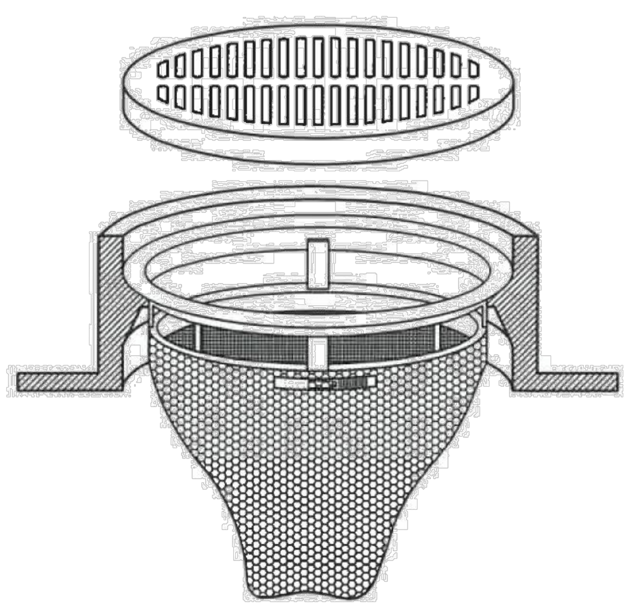
NOTES:

1. FRAME AND GRATE SHALL BE:
   A. IN PAVED AREAS:
      I. M–3.12 CURB & GUTTER (UNDER PONDING OR CONTINUOUS GRADE CONDITIONS): NEENAH R–3501–P, EJIW 7525, OR APPROVED EQUAL.
      II. B–6.12 CURB AND GUTTER (UNDER PONDING CONDITIONS): NEENAH R–3281–A, EJIW 7210 W/TYPE M2 GRATE AND T1 BACK, OR APPROVED EQUAL.
      III. B–6.12 CURB AND GUTTER (UNDER CONTINOUS GRADE CONDITIONS): NEENAH R–3281–AL, EJIW 7210 W/TYPE M4 VANE GRATE AND T1 BACK, OR APPROVED EQUAL.
   B. IN NON–PAVED AREAS: NEENAH R–1713 WITH TYPE D COVER, EJIW 1050 WITH TYPE M1 RADIAL FLAT GRATE, OR APPROVED EQUAL.
2. ROADSIDE DITCH DRAINAGE STRUCTURES SHALL BE EVALUATED ON A CASE–BY–CASE BASIS.
3. A MAXIMUM OF 8" OF ADJUSTING RINGS SHALL BE USED FOR ALL CATCH BASINS. NO MORE THAN 2 PRECAST ADJUSTING RINGS, TOTALING NO MORE THAN 8" SHALL BE USED. BETWEEN EACH SECTION JOINT, ADJUSTING RING AND FRAME, APPLY A CONTINUOUS LAYER OF NON–HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL.
4. ALL CURB INLET FRAMES SHALL BE SEALED WITH A HYDRAULIC CEMENT FILLET BETWEEN THE FRAME AND TOP ADJUSTING RING OR CONE.
5. ALL CLOSED STRUCTURE LIDS SHALL HAVE "VILLAGE OF SUGAR GROVE" AND "STORM" CAST INTO TOP AND SHALL BE THE CONCEALED PICK HOLE TYPE.

CATCH BASIN - TYPE C

Village of Sugar Grove
10 Municipal Drive
Sugar Grove, Illinois 60554
Phone: (630) 391–7200

SCALE: N.T.S. | DATE: 4/2/24 | FOLDER: SG-ST | DRAWING NUMBER: 03 | DRAWN BY: CLN | REVISED:



NOTES:

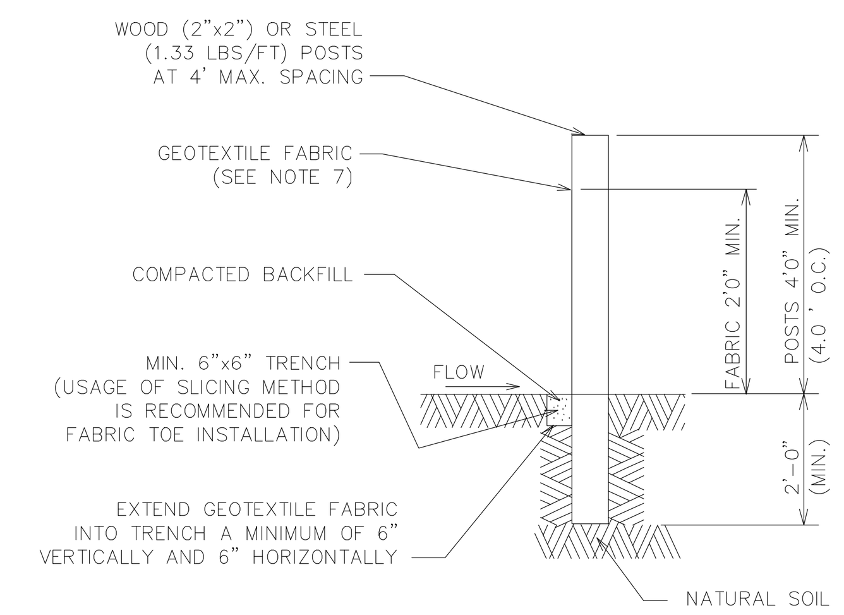
1. INLET FILTER SYSTEM SHALL CONSIST OF A REPLACEABLE REINFORCED FILTER BAG SUSPENDED FROM A RETAINER RING OR FRAME.
2. INLET FILTER SYSTEMS SHALL BE THE CATCH–ALL "HR", WITH OVERFLOW, AS FURNISHED BY MARATHON MATERIALS, INC., IPP INLET FILTER ASSEMBLY, OR PRE–APPROVED EQUAL.
3. THE FILTER BAG SHALL BE CONSTRUCTED OF A NON–WOVEN POLYPROPYLENE FILTER GEOTEXTILE FABRIC WITH A MINIMUM WEIGHT OF 4 OZ./SQ.YD., A MINIMUM FLOW RATE OF 145 GAL./MIN./SQ.FT., AND DESIGNED FOR A MINIMUM SILT AND DEBRIS CAPACITY OF 2 CU. FT. THE FILTER BAG SHALL BE REINFORCED WITH A POLYESTER MESH FABRIC WITH A MINIMUM WEIGHT OF 4 OZ./SQ.YD.
4. THE FILTER BAG SHALL BE SUSPENDED FROM A GALVANIZED STEEL RING OR FRAME, CONFORMING TO ASTM–A36, UTILIZING A STAINLESS STEEL BAND AND LOCKING CLAMP. THE FRAME SHALL BE DESIGNED WITH AN OVERFLOW FEATURE TO PREVENT ANY PONDING DURING HEAVY RAINFALL.
5. FILTER BAG MUST BE INSPECTED ONCE PER WEEK AND AFTER 1/2" RAINS.

INLET FILTER

Village of Sugar Grove
10 Municipal Drive
Sugar Grove, Illinois 60554
Phone: (630) 391–7200

SCALE: N.T.S. | DATE: 4/2/24 | FOLDER: SG-SE | DRAWING NUMBER: 02 | DRAWN BY: BLM | REVISED:

ER–3



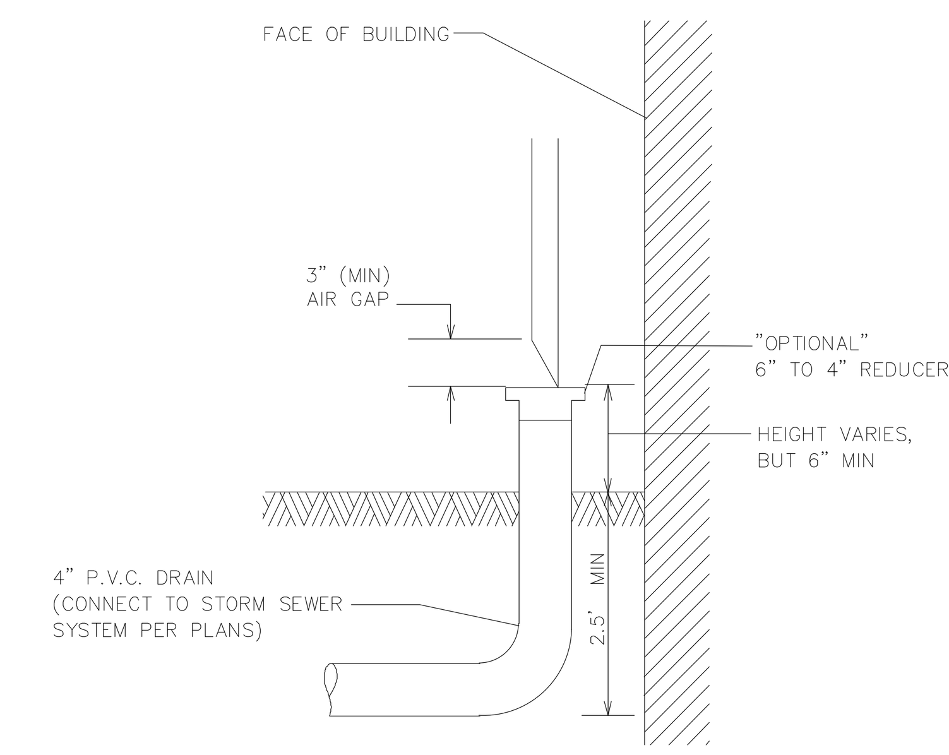
NOTES:

1. SILT FENCE SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS AND WHERE INDICATED BY VILLAGE ENGINEERING.
2. ATTACH GEOTEXTILE FABRIC TO WIRE MESH WITH HOG RINGS, TO WOOD POSTS WITH NAILS, AND TO STEEL POSTS WITH TIE–WIRES AT TOP AND MID–SECTION.
3. OVERLAP GEOTEXTILE FABRIC BY 6" AND FOLD WHERE 2 SECTIONS ADJOIN.
4. INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF HALF INCH (½") PER DAY OR EQUAL SNOW MELT. REPAIR OR REPLACEMENT OF SILT FENCE SHALL BE MADE PROMPTLY AS NEEDED.
5. SEDIMENT TRAPPED BY THE SILT FENCE SHALL BE REMOVED (AND PROMPTLY DISPOSED OF) WHENEVER SEDIMENT ACCUMULATION DEPTH AT THE SILT FENCE IS APPROXIMATELY EQUAL TO TWELVE (12) INCHES (ONE–HALF OF SILT FENCE HEIGHT).
6. MATERIAL (GEOTEXTILE & POST) INSTALLATION, MAINTENANCE, AND SILT FENCE REMOVAL SHALL COMPLY WITH AASHTO, M 288 REQUIREMENTS.
7. THE FABRIC FOR SILT FENCE SHALL BE A WOVEN FABRIC MEETING THE REQUIREMENTS OF AASHTO M 288 (TABLE 7) FOR UNSUPPORTED SILT FENCE WITH LESS THAN 50 PERCENT GEOTEXTILE ELONGATION.
8. SILT FENCE SHALL BE MAINTAINED IN PLACE UNTIL COMPLETION OF CONSTRUCTION AND THE UPSLOPE AREA HAS BEEN STABILIZED, AND SHALL BE REMOVED ONLY WHEN DIRECTED BY VILLAGE ENGINEERING.

NOT TO SCALE

REVISED: 01–01–14

SILT FENCE DETAIL



NOTES:

1. CONNECT DOWNSPOUTS TO THE STORM SEWER SYSTEM PER APPROVED PLANS.
2. DOWN SPOUTS SHALL BE DESIGNED WITH A MINIMUM 3" AIR GAP.
3. A RIGID FOUR–INCH (4") DIAMETER PVC PIPE CAN BE USED TO CONNECT THE INDIVIDUAL DOWNSPOUT TO THE STORM SEWER.
4. IN NO EVENT SHALL THE DOWNSPOUT DISCHARGE INTO THE SANITARY SEWER SYSTEM.

NOT TO SCALE

REVISIONS: 09–23–19 RC

BONO CONSULTING, INC.

DOWNSPOUT CONNECTION DETAIL

PROJECT STAFF		ISSUE	REVISIONS	DATE
PROJECT MANAGER:	M. OPLAWSKI P.E.	1	ISSUED FOR PERMIT	06-04-2025
ENGINEER:				
ENGINEER:				
TECHNICIAN:	E. KALCHIK			

BONO CONSULTING CIVIL ENGINEERS
A Sevee & Maher Engineers company
1018 BUSSE HIGHWAY
PARK RIDGE, IL 60068
847-823-3300
bbono@bonoconsulting.com
4234 MERIDIAN PKWY, STE 116
AURORA, IL 60504
331-229-3512
rwalker@bonoconsulting.com
DESIGN FIRM NO. 184.008857-0002

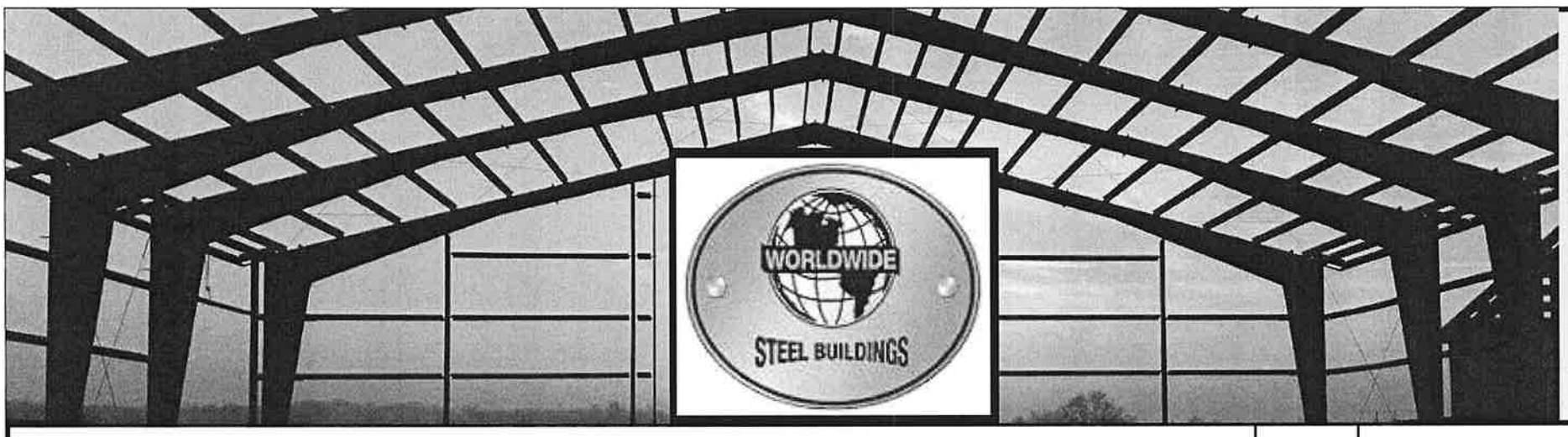
SME SEVEE & MAHER ENGINEERS
ENVIRONMENTAL • CIVIL • GEOTECHNICAL • WATER • COMPLIANCE
4 Blanchard Road, PO Box 85A, Cumberland, Maine 04021
Phone 207.829.5016 • Fax 207.829.5692 • sme-engineers.com

CONSTRUCTION DETAILS

NEW STORAGE BUILDING
70 1ST ST, SUGAR GROVE, IL 60554

PROJECT NO.:	250728
BASE FILE:	
SHEET FILE:	
ISSUE DATE:	JUNE 4, 2025
SCALE:	NA

SHEET NUMBER
C-4.0



Rigid Frame Building

Date 5/1/2025

Name	Mike Stoffa
Street	
City	Sugar Grove
State	IL
Zip	60554
Phone	

Building Consultant:	David Norton
Consultant Phone:	(816) 779-7519
Consultant Email:	dnorton@worldwidesteelbuildings.com

Building Dimension	
Width	40
Length	40
Eave Height	16
Roof Pitch	2:12

Loads	
Wind Speed	115
Ground Snow	25
Collateral Load	1
Building Code	IBC-18

Stamped Engineered Plans	
Building	YES
Foundation	YES
Building Type	Rigid Frame
Truss Type	Red Iron

Steel Sheeting Color	
Walls	Color TBD
Wainscot	N/A
Roof	Color TBD
Trim	Color TBD
Soffit	Color TBD

Package Includes:
Pre-Cut 80,000 PSI Sheet Metal, Fasteners, Deluxe Trim Package
Columns and Roof Beams as described below.
Engineered Stamped Drawings, Elevation & Pier Placement
Z Purlins and Girts per plans
Delivery to Jobsite

Building Inclusions:

BASE BUILDING BID:	QTY	Size	OPTIONAL ITEMS:	QTY	
40x40 Rigid Frame structure					
26 gage Painted Std Color Roof Panels			ADD: Foundation Engineering	1	[redacted]
26 gage Painted Std Color Wall Panels					
Building bay spacing of 20/20					
Endwall section spacing 10/20/10					

Warranty Info	
Steel Sheeting	25 Years

Sales Tax is estimated and may be removed with proper docs.
Sales Tax is not included in calculations to determine deposit amt.

MADE IN THE USA WITH 100% AMERICAN STEEL

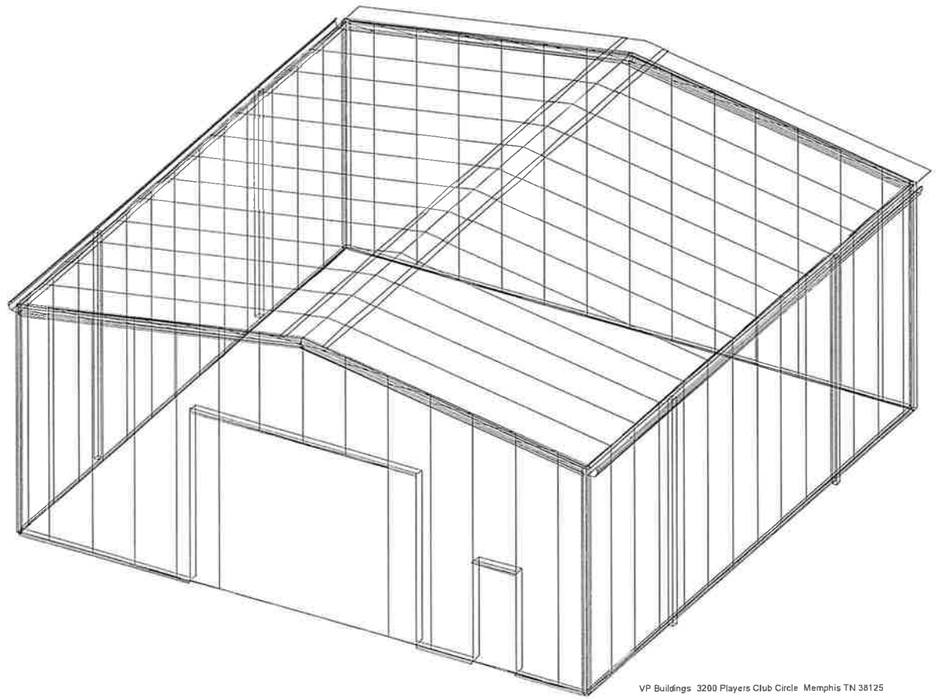
Base Building Price:	[redacted]
Quote Expires:	25-May-25
Initial Payment Due	[redacted]

Quote excludes any items not listed above

10606 State Route YY
Peculiar MO 64078

BASIC ERECTION GUIDE 4001

BASIC PANELS AND ACCESSORIES ERECTION GUIDE 4003



VP Buildings 3200 Players Club Circle Memphis TN 38125

General Notes

Materials

	ASTM Designation	
3 Plate Welded Sections	A529, A572, A1011, A1018	Grade 55
Cold Formed Light Gage Shapes	A653, A1011	Grade 60
Brace Rods	A572, A510	Grade 50
Hot Rolled Mill Shapes	A36, A529, A572, A588, A992	Grade 36 or 50
Hot Rolled Angles	A529, A572, A588, A992	Grade 50
Hollow Structural Section (HSS)	A500	Grade B
Cladding	A653, A792	Grade 50 or Grade 80

High Strength Bolt Tightening Requirements

It is the responsibility of the erector to ensure proper bolt tightness in accordance with applicable regulations. See RCSC specification for structural joints using high strength bolts for more information. See erection guide for bolt tightening instructions. The following criteria may be used to determine the bolt tightness (i.e.-snug tight or pre-tension) unless required otherwise by local jurisdiction or contract.

All A490 bolts shall be "pre-tensioned". A325 bolts in primary framing and bracing connections may be "snug-tight" except as follows:

Pre-tension A325 bolts if building supports a crane greater than 5 ton capacity.

Pre-tension A325 bolts if building supports machinery that creates vibration, impact, or stress reversals on connections.

Pre-tension A325 bolts if located in high seismic areas. For IBC based codes; high seismic is design category D, E or F. See codes and loads section below for details.

Pre-tension any connection with designation A325-SC. Slip critical (SC) connections must be free of paint, oil or other materials that reduce friction at contact surfaces. Galvanized or lightly rusted surfaces are acceptable.

In Canada, all A325 and A490 bolts shall be "pre-tensioned", except for secondary members and flange braces.

Secondary members and flange brace connections are always "snug tight", unless indicated otherwise in erection drawing details.

Inspection and Testing

Special inspections and testing required by Authority Having Jurisdiction (AHJ) during construction and/or steel fabrication is the responsibility of the owner or owners authorized agent. When required, the owner shall employ a Quality Assurance Agency (QAA) approved by the AHJ. The builder is responsible to coordinate between the QAA firm and BBNA Fabrication Facilities. The type and extent of special inspections and NDT weld testing must be specifically stipulated in contract documents or BBNA will assume special inspections and/or NDT testing are waived as permitted by the building code based on BBNA facilities IAS AC472 accreditation.

B **COVER SHEET**

Builder			Job #
Customer			Date 5/1/2025
Location	Sugar Grove, Illinois	VP BUILDINGS	Drawn / Check
Project	Mike Stoffa	VPC Version: 25.1.1	Page
Builders PO#			

5/1/2025 12:52:15 Filename: Mike Stoff

Codes and Loads
WHEN MULTIPLE BUILDINGS ARE INVOLVED, SPECIFIC LOAD FACTORS FOR DIFFERING OCCUPANCIES, BUILDING DIMENSIONS,
HEIGHTS, FRAMING SYSTEMS, ROOF SLOPES, ETC., MAY RESULT IN DIFFERENT LOAD APPLICATION FACTORS THAN
INDICATED BELOW. SEE CALCULATIONS FOR FURTHER DETAILS. WIND LOADS ARE APPLIED TO OVERALL BUILDING ENVELOPE.
COMMON WALLS BETWEEN CONNECTED SHAPES ARE NOT SUBJECT TO EXTERNAL WIND LOADS.
City: Sugar Grove County: Kane State: Illinois Country: United States

Building Code
Building Code: 2018 International Building Code
Building Risk/Occupancy Category: II (Standard Occupancy Structure)
Structural: 16AISC - ASD Rainfall: I: 7.00 inches per hour
Cold Form: 16AISI - ASD f'c: 3000.00 psi Concrete

Dead and Collateral Loads
Collateral Gravity: 1.00 psf
Collateral Uplift: 0.00 psf

Material Dead Weight
Roof Covering + Second. Dead Load: 2.25 psf
Frame Weight (assumed for seismic):2.50 psf

Roof Live Load
Roof Live Load: 20.00 psf Reducible

Wind Load
Wind Speed: Vult: 115.00 (Vasd: 89.08) mph
The 'Envelope Procedure' is Used
Primaries Wind Exposure: C - Kz: 0.860
Parts Wind Exposure Factor: 0.860
Wind Enclosure: Enclosed
Topographic Factor: Kzt: 1.0000
Ground Elevation Factor: Ke: 1.0000

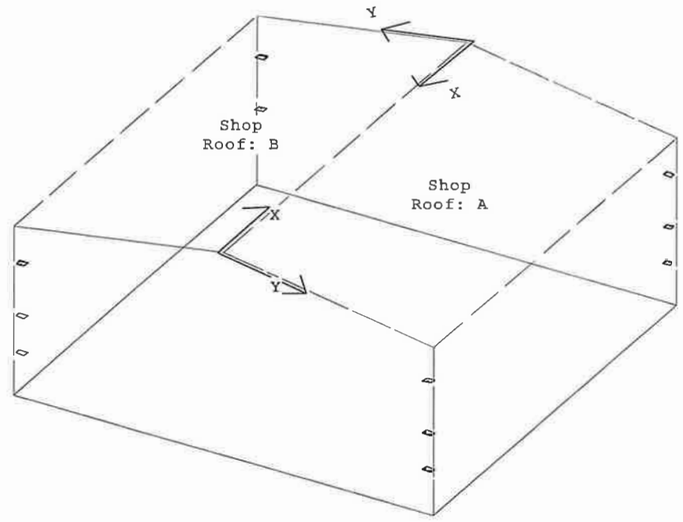
NOT Windborne Debris Region
Base Elevation: 0/0/0
Site Elevation: 0.0 ft
Primary Zone Strip Width: 2a: 8/0/0
Parts / Portions Zone Strip Width: a: 4/0/0
Velocity Pressure: qz: 24.76, (C&C) 24.76 psf

Snow Load
Ground Snow Load: pg: 25.00 psf
Flat Roof Snow: pf: 17.32 psf
Design Snow (Sloped): ps: 17.32 psf
Rain Surcharge: 0.00 psf
Specified Minimum Roof Snow: 20.00 psf (Code)
Exposure Factor: 1 Fully Exposed - Ce: 0.90
Snow Importance: Is: 1.000
Thermal Factor: Kept just above freezing - Ct: 1.
Ground / Roof Conversion: 0.70
Unobstructed, Slippery

Seismic Load
Lateral Force Resisting Systems using Equivalent Force Procedure
Mapped MCE Acceleration: Ss: 14.00 %g
Mapped MCE Acceleration: S1: 6.70 %g
Site Class: Stiff soil (D) - Default
Seismic Importance: Ie: 1.0000
Design Acceleration Parameter: Sds: 0.1493
Design Acceleration Parameter: Sd1: 0.1072
Seismic Design Category: A
Seismic Snow Load: 0.00 psf
% Snow Used in Seismic: 0.00
Diaphragm Condition: Flexible
Fundamental Period Height Used: 17/8/0

Transverse Direction Parameters
System NOT detailed for Seismic
Redundancy Factor: Rho: 1.00
Fundamental Period: Ta: 0.2785
R-Factor: 3.00
Overstrength Factor: Omega: 2.50
Deflection Amplification Factor: Cd: 3.00
Base Shear: V: 0.0100 x W

Longitudinal Direction Parameters
System NOT detailed for Seismic
Redundancy Factor: Rho: 1.00
Fundamental Period: Ta: 0.1723
R-Factor: 3.00
Overstrength Factor: Omega: 2.50
Deflection Amplification Factor: Cd: 3.00
Base Shear: V: 0.0100 x W



Snow Buildup

Shape	Surface	Description
Shop	Roof: A	Unbalanced Snow Load 1, Shifted Left : Roof: A
Shop	Roof: B	Unbalanced Snow Load 1, Shifted Right : Roof: B

X Location	Y Location	Magnitude
0.0 ft	8.7 ft	9.4 psf
0.0 ft	0.0 ft	9.4 psf
40.0 ft	0.0 ft	9.4 psf
40.0 ft	8.7 ft	9.4 psf
0.0 ft	8.7 ft	9.4 psf
0.0 ft	0.0 ft	9.4 psf
40.0 ft	0.0 ft	9.4 psf
40.0 ft	8.7 ft	9.4 psf

1. The Snow Buildup loading shown is in addition to the flat or sloped roof snow.
2. The X and Y Location dimensions are from the point of origin of each surface.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS
5/1/2025 12:52:15

CODES AND LOADS

Builder
Customer
Location Sugar Grove, Illinois
Project Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS

VPC Version 25.1.1

Job #
Date 5/1/2025
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BUILDER/CONTRACTOR RESPONSIBILITIES

VP Buildings follows the guidelines as outlined in the AISC and MBMA Codes of Standard Practice. VP Buildings standard product specifications, design, fabrication, quality criteria shall govern all work unless stipulated otherwise in the contract documents. In case of discrepancies between VP Buildings structural plans and plans for other trades, VP Buildings structural plans shall govern.

It is the responsibility of the Builder to obtain approvals and permits from all governing agencies and jurisdictions as required. Approval of VP Buildings drawings constitutes the builders acceptance of VP interpretation of the contract purchase order. Unless specific design criteria concerning interface design and details are furnished as part of the contract, VP Buildings design assumptions shall govern.

VP engineers are not Project Engineers or Engineer of Record for the overall project. VP engineering supply sealed engineering design data and drawings for VP supplied material as part of the overall project for use by others to obtain permits, approvals, and coordinate with other trades. All interface and/or compatibility of any materials not furnished by VP are to be considered and coordinated by the builder or A/E firm.

CONSTRUCTION & ERECTION RESPONSIBILITY

The Builder is responsible for construction in strict accordance with VP Buildings "FOR CONSTRUCTION" drawings and all applicable product installation guides. VP is not responsible for work done from any other VP drawings that are not marked "FOR CONSTRUCTION", nor any drawings prepared by others.

As erected field assemblies of members shall be as specified in MBMA Code of Standard Practice (in Canada - CSA S16), which require L/500 tolerance of installed members. Occasional field work including shimming, cutting, coping, and drilling for final fit-up are considered part of erection. Specified field work and field welding conditions indicated on these drawings shall also be included in the erectors scope of work. See Erection Guide for shimming procedure. For building with top riding bridge cranes see Crane Data drawing for column plumb tolerance.

The building erector shall be properly licensed and experienced in erecting metal building systems. The Builder is responsible for having knowledge of, and shall comply with, all OSHA requirements and all other governing site safety criteria. The builder is responsible for designing, supplying, locating and installing temporary supports and bracing during erection of the building. VP bracing is designed for code required loads after building completion and shall not be considered as adequate erection bracing. See Erection Guide.

Shimming of steel buildings during erection may be required to accomodate allowable tolerances during fabrication and erection. Special care should be taken by the building erector to shim connections where key dimensions must be maintained for building performance as even small tolerances can have a significant impact on critical dimensions such as height, clearances and plumbness, especially as the size of the member or building increases. Conditions where shimming should be expected can include but are not limited to large door openings, critical clear height requirements, cranes, buildings greater than 45 feet in height, clear spans greater than 125 feet and adjacent frames with different characteristics (like clear span frames adjacent to an endwall or modular frame). Shims are normally provided by the erector, but may be ordered upon request by contacting your Project Manager.

EXISTING STRUCTURES

VP must be advised of any structure that is within 20 ft. of VP's building. Load effects from snow drifting, wind effects, and seismic separation must be considered for both the new and existing structures. VP has designed the new VP building for these effects. The owner/builder are responsible for employing a Professional Engineer to review and verify the existing structure for all load effects from the adjacent VP building.

BRACING

Tension brace rods work in pairs to balance forces caused by initial tensioning. Care must be taken while tightening brace rods so as not to cause accidental or misalignment of components. All rods must be installed loose and then tightened. Rods should not exhibit excessive sag. For long or heavy rods, or angles it may be necessary to support the rods at mid-bay by suspending them from secondary members.

Bracing for seismic or wind loading of objects or equipment that are not a part of the VP structure must be designed by a qualified professional to deliver lateral loads to primary frames and rod bracing struts. Equipment bracing and suspension connections must not impose torsion or minor axis loads, or cause local distortion in any VP components. VP accepts no responsibility for design or installation of bracing systems not furnished by VP.

FIELD WELDING

All field welding shall be done at the direction of a design professional, and done in accordance with governing requirements (AWS in USA, CWB in Canada) by welders qualified to perform the welding as directed by the applicable welding procedure specification (WPS). A WPS shall be prepared by the contractor for each welding variation specified. The contractor is responsible for any special welding inspection as required by local jurisdiction. Filler metal shall be 70 ksi (480 MPa) tensile strength. For welds in high seismic force resisting system (Seismic Cat D, E or F), minimum Charpy V-Notch toughness shall meet AISC-341 criteria (20 ft-lbs min @ 0Deg F). Interpass temperatures shall not exceed 550Deg F (300Deg C).

DELIVERIES

It is the responsibility of the builder to have adequate equipment available at the job site to unload trucks in a safe and timely manner. The Builder will be responsible for all retention charges from carriers as a result of job site unloading delays.

SIGNAGE

The Builder is responsible for furnishing signs as required by Code and the Building Department, including but not limited to, exits, occupancy limits, floor loading limits, and bulk storage limits. Floor loading signs shall clearly indicate maximum floor live load permitted. Bulk storage facilities shall have signs clearly posted on all loaded walls indicating the type of commodity stored and the maximum storage height. Signs shall be clearly visible when building is fully loaded to design level. Overloading of floors or walls may result in failure.

Claims for damage or shorts MUST be noted on the Bill-of-Lading or delivery receipt and filed against the carrier by the consignee as per VP's Terms of Sales (F.O.B. Plant) under the Uniform Commercial Code. It is critical that damages or shorts be noted on the Bill-of-Lading or you have little recourse with the carrier. Immediately upon delivery of material, material quantities are verified by the Builder against quantities billed on the shipping document. Neither the Manufacturer nor the carrier is responsible for material shortages against quantities billed on the shipping document if such shortages are not noted on the shipping documents upon delivery of material and acknowledged by the carriers agent. For materials concealed in bundles, boxes, or crates, shortages must be reported immediately upon unpacking. Should products get wet, bundled and crated materials must be unpacked and unbundled immediately to provide drainage of trapped moisture. See Erection Guide for proper job site storage procedure.

SEALANTS

Sealants shall be applied in strict accordance with VP details or weather tightness will be compromised. Sealant must be applied in temperatures and weather conditions consistent with labeling.

INDEPENDENT MEZZANINES

Independent mezzanines must be designed by a professional engineer. The engineer must ensure that proper isolation from the VP building has been provided to avoid structural damage due to differential movements, or inadvertently apply loads to the VP structure. VP accepts no responsibility for the design of the independent mezzanine.

FIRE CODE COMPLIANCE

It is the responsibility of the project design professional and builder to comply with local fire code regulations including consideration of, but not limited to, building use and occupancy, all building construction materials, separation requirements, egress requirements, fire protection systems, etc. Builder shall advise VP of any special requirements to be furnished by VP.

FIELD MODIFICATIONS

Modifications to this building from details and instructions contained on these drawings must be approved in writing by VP Buildings engineers, or other licensed structural engineer. This includes, but is not limited to, removal of roof or wall cladding, removing or moving any flange braces or rod braces, cutting of openings for doors, windows or RTU's, correction of fabrication errors, etc. The owner shall not impose loads to this structure beyond what is specified for this building in the contract documents. VP Buildings accepts no responsibility for the consequences of any unauthorized additions, alterations, or added loads to this structure.

If the builder intends to invoice VP Buildings for modifications in excess of $1000, The builder must notify VP Buildings immediately, and obtain a Work Authorization from VP Buildings prior to proceeding. All final claims must be submitted to VP Buildings with all supporting documentation within 30 days of the building completion. Claims submitted without work authorizations, or after 30 days will not be accepted. Correction of minor misfits, shimming and plumbing, moderate amount of reaming, drilling, chipping / cutting and minor welding are considered by Code of Standard Practice to be part of erection are not subject to claim reimbursement.

CONCRETE/MASONRY/CONVENTIONAL STUD WALLS

The engineer responsible for the design of the wall system is responsible for coordinating with, or specifying to VP Buildings, any wall to steel compatibility issues such as drift and deflection compatibility, special base details, and wall to VP steel connections. All fasteners, sealant and counter flashing of wall systems are to be provided by contractor. The engineer responsible for the wall shall design the anchorage to VP supporting elements consistent with Code required forces.

PANELS

Oil canning is an inherent characteristic of cold formed steel panels. It is the result of several factors that include induced stresses in the raw material delivered to VP, fabrication methods, installation procedures, and post installation thermal forces. Thru fastened panels will exhibit some dimpling when installed, especially when insulation is installed between panels and secondary supports. Dimpling can be minimized by careful installation, taking care not to over drive fasteners.

Roof rumble is a phenomenon that is caused by wind gusts lifting up on the roof panels and then springing back into place. All panels experience this action to some degree, especially with concealed clip Standing Seam panels. Roof rumble noise may be minimized by providing a layer of blanket insulation between the panels and any hard support surface such as steel secondary members, substrates such as plywood, steel decking, or rigid board insulation. A minimum of 3 inch thick blanket is recommended over steel secondary members, or 2 inch over substrates.

Oil canning, dimpling, and roof rumble do not affect the structural integrity or weather lightness of the panels and is not grounds for rejection of panels.

The Standing Seam joint detail is designed with an interlocking feature for ease of installation. However, it is imperative that installed Standing Seam panels be secured to the secondary structural members and properly seamed prior to departure from the job site each day.

SKYLIGHTS

Local building departments may require added fall restraint due to conditions that may affect the skylight structural integrity. It is the responsibility of the builder to determine and provide any added fall restraint under the skylight as may be required by your building department.

RAIN WATER RUNOFF

Drainage systems must be designed by the project professional to comply with code requirements. VP is not responsible for drainage designs, overflow scuppers, down piping, etc. The project professional and contractor are responsible to ensure that primary drains and overflow devices such as scuppers and auxiliary drains are provided as required for the required rain intensity at the building perimeter and at valley conditions to prevent ponding.

STEEL SHOP COAT

The purpose of VP's shop coat is to provide protection for the steel members during transportation, during temporary job site storage and during erection. Standard shop formulation is not designed to perform as a finish coat when exposed to environmental conditions. Members shall be kept free of the ground and properly drained during job site storage. It is the Builder's responsibility to ensure that if a finish coat is being applied over VP shop coat that the painting contractor verifies compatibility between his finish coat and VP's shop coat.

VP BUILDINGS ACCREDITATIONS AND APPROVALS

Fabricator Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal-building-inspection)
Listed under BlueScope Buildings North America, Inc.
City of Los Angeles, CA #FB00031; City of Houston, TX 767 & 429;
City of Phoenix, AZ C19-02008; Clark County, NV 43 & 833, San Bernardino County, CA 289
State of Utah, City of Richmond, CA.

Design Approvals

IAS AC472 Approvals: (www.iasonline.org/services/metal-building-inspection)
Listed under Varco Pruden Buildings, a Division of BlueScope Buildings North America, Inc.

Canadian CSA A660 Certifications

(www.cwbgroup.org)
Listed under BlueScope Buildings North America, Inc.

Engineering Certifications of Authorization

USA--AL#CA-5589-E; AZ#22225-0; AR#576; FL#30427; GA#PEF007551; ID#C-2470; IL#184-002649; KS#E-29; KY#4490; LA#EF6722; MS#E-0592; MO#E-2010007736; NC#F-0998; ND#1579PE; NJ#24GA28318800; NV#20437; OH#05898; OK#CA4170PE; RI#8838; SC#6206; SD#C-1787; TX#F4828; VA#0411001520; VA#0411001518; WA#4119; WV#C03059-00
CAN--AB#P08900; NB#F0951; NL#D0044; NS#30123; NT#P062; ON#100148796; and YT#PP134

ICC Evaluation Reports (www.icc-es.org)

SSR Roof System - #ESR-2527

State of Florida Product Approvals (www.floridabuilding.org)

Approved Products Listed Under VP Buildings, Inc.
VP TextureClad - See Transamerican Structuroc, Inc.

Dade Co. Product Approval (www.miamidade.gov/buildingcode)

Approved Products Listed Under Varco Pruden Buildings, Inc.
VP TextureClad - See Transamerican Structuroc, Inc.

Underwriter's Laboratory Approvals (Available only when specified in contract)

SSR Roof-UL#TGKX-113; SSR Composite Roof Class 90-UL#TGKX-113A;
SSR Roof w/Super Block; Class 90-UL#TGKX-328;
Panel Rib Roof UL Class 60-UL#TGKX-60; Panel Rib Roof UL Class 90-UL#TGKX-64;
VP SLR II Roof Class 90-UL#TGKX-90, -180, -435, -435A, -176, -238, -238A, -238B

Factory Mutual Approved Assemblies (Available only when specified in contract)

SSR Roof Systems are approved in various type applications and listed in FM Approval Guide.
24 Ga SSR (0.0227" Nominal), is available in Class 1-60, 1-75, 1-90. 22Ga SSR (0.0277" Nominal), is available in Class 1-75, 1-90-, 1-120.
SLR II Roof Systems are approved in various type applications and listed in FM Approval Guide.
24 Ga SLR II (0.0227" Nominal), is available in Class 1-75 and 1-120.

Rev	Date	By	Description
B			

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS

5/1/2025 12:52:16

ERECTION NOTES

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS (VARCOPRUDEN)
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
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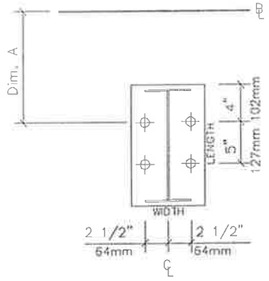
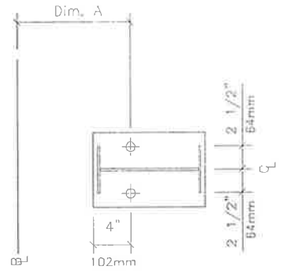
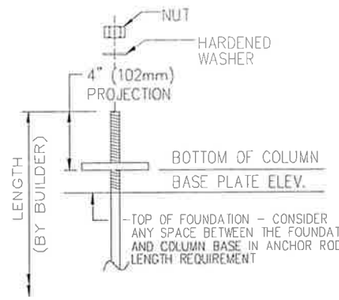


AR1 (4)3/4" Dia.
Max Plate W=8",L=1'-1", Min Thk=3/8"
Dim: A=1'-0"
Elev.=100'-0"



AR61 (2)3/4" Dia.
Max Plate W=8",L=10", Min Thk=3/8"
Dim: A=1'-0"
Elev.=100'-0"

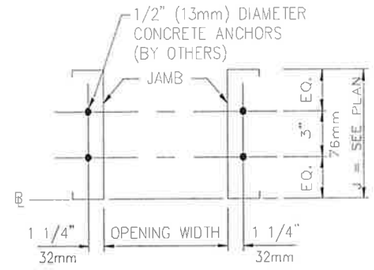


THE 4" PROJECTION ABOVE THE BOTTOM OF THE BASE PLATE IS A SUGGESTED MINIMUM TO ENSURE ADEQUATE ANCHOR ROD LENGTH. A DIFFERENT PROJECTION MAY BE REQUIRED BY THE FOUNDATION DESIGNER.

THE ANCHOR ROD PROJECTION MAY NEED TO BE CUT OFF IF THERE IS INTERFERENCE WITH OTHER PARTS.

SUGGESTED ANCHOR ROD PROJECTION

1



NOTE: 1" (25mm) PROJECTION ABOVE BOTTOM OF JAMB CLIP

SEE PLAN FOR JAMB SIZES : J = SIZE

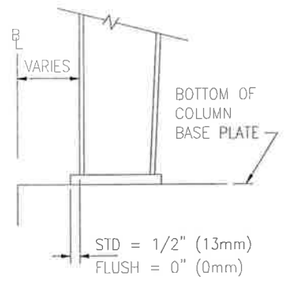
JAMB 'EQ.' VALUES:

7 EQ = 2" 51mm, 8.5 EQ = 2 3/4" 70mm

10 EQ = 3 1/2" 89mm, 11.5 EQ = 4 1/4" 108mm

FRAMED OPENING DETAIL

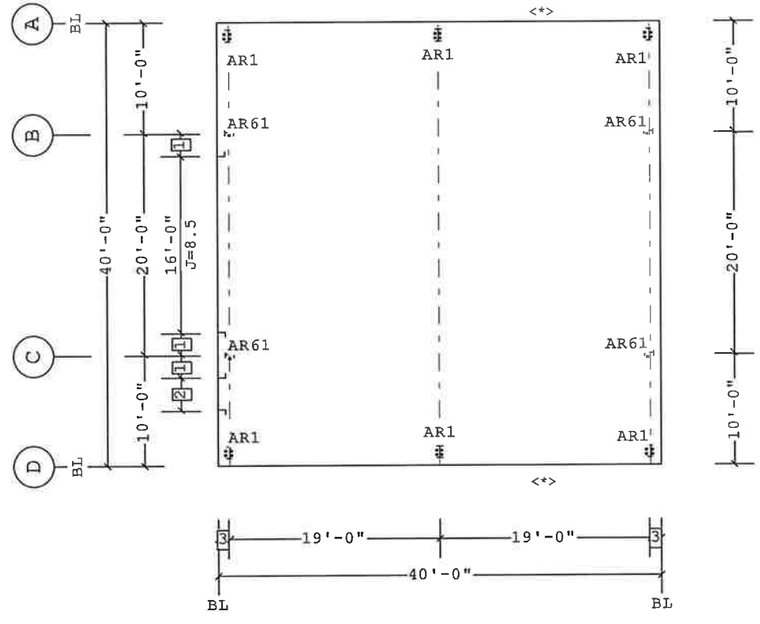
2



TYPICAL COLUMN BASE PLATE DETAIL

3

1. ANCHOR RODS, NUTS, HARDENED WASHERS AND ANY OTHER EMBEDDED ITEMS ARE TO BE FURNISHED BY CONTRACTOR.
2. ANCHOR ROD DIAMETERS WERE DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC SPECIFICATIONS (FY=36KSI), (ASTM F1554 GRADE 36) ANCHOR ROD LENGTH, EFFECTS OF EMBEDDED ANCHOR ROD EDGE DIMENSIONS AND METHOD OF TRANSFERRING FORCES FROM ANCHOR RODS TO FOOTINGS ARE TO BE DETERMINED BY OTHERS.
3. UNLESS OTHERWISE SPECIFIED, ANCHOR RODS ARE DESIGNED AND DETAILED AS "CAST-IN-PLACE" ANCHOR RODS WITH "SNUG TIGHT" CONNECTIONS.
4. FOUNDATION MUST BE LEVEL, SQUARE AND SMOOTH. ANCHOR RODS MUST BE ACCURATELY PLACED AS SHOWN ON THIS DRAWING OR STEEL WILL NOT FIT. THE BUILDER IS RESPONSIBLE FOR ACCURATE SETTING OF ANCHOR RODS PER AISC CODE OF STANDARD PRACTICE, SEC 7.5
   VARIATIONS ARE SUMMARIZED BELOW:
   a. CENTERS OF ANY TWO AR'S WITHIN A COLUMN BASE GROUP; +-1/8"
   b. CENTERS OF ADJACENT AR GROUPS; +-1/4"
   c. TOPS OF AR'S; +-1/2"
   d. ACCUMULATED DIM BETWEEN CENTERS OF AR GROUPS ALONG COLUMN LINE; +-1/4" PER 100FT., NOT TO EXCEED 1" TOTAL.
   e. DIM FROM CENTER OF ANY AR GROUP FROM COLUMN LINE; +-1/4"
5. DESIGN LOADS AND REACTIONS ARE FURNISHED IN THE REACTIONS REPORT.



ANCHOR ROD PLAN

Anchor Bolt Qty

Qty	Bolt Diam
32	3/4"

3 1'-0"
2 3'-0" J=8.5
1 2'-0"
☐ Dimension Key

Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

<*> The building is designed with bracing diagonals in the designated bays. Column base reactions, base plates and anchor rods are affected by this bracing and diagonals may not be relocated without consulting the building suppliers engineer.

The VP Engineer's seal applies only to the work product of VP and design and performance requirements specified by VP. The VP Engineer's seal does not apply to the performance or design of any other product or component furnished by VP except to any design or performance requirements specified by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

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5/1/2025 12:52:17

ANCHOR ROD PLAN

Builder
Customer
Location Sugar Grove, Illinois
Project Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VPC Version 25.1.1
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Job #
Date 5/1/2025
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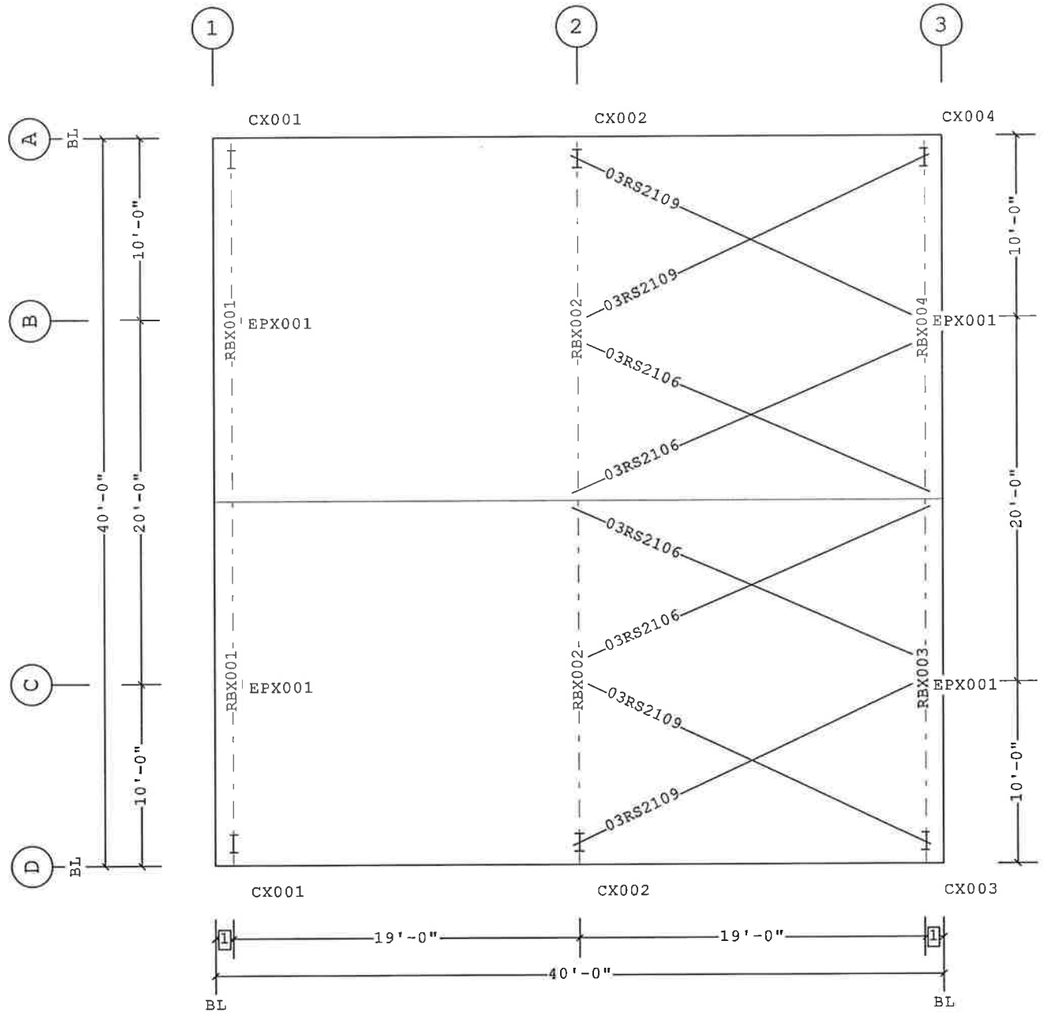

PRIMARY AND ROOF BRACING PLAN

Bracing Part Schedule

Part	Qty	Length	Detail
03RS2106	4	21'-6"	BR01G2
03RS2109	4	21'-9"	BR01G2

1 1'-0"

Dimension Key

1. Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

The VP Engineer's seal applies only to the work product of VP and design and performance requirements specified by VP. The VP Engineer's seal does not apply to the performance or design of any other product or component furnished by VP except to any design or performance requirements specified by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

Shape Name = Shop

Rev	Date	By	Description
B			

NTS

5/1/2025 12:52:18

VP Buildings
3200 Players Club Circle Memphis TN 38125

PRIMARY AND ROOF BRACING PLAN

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDEN

VPC Version 25.1.1

Job #
Date 5/1/2025
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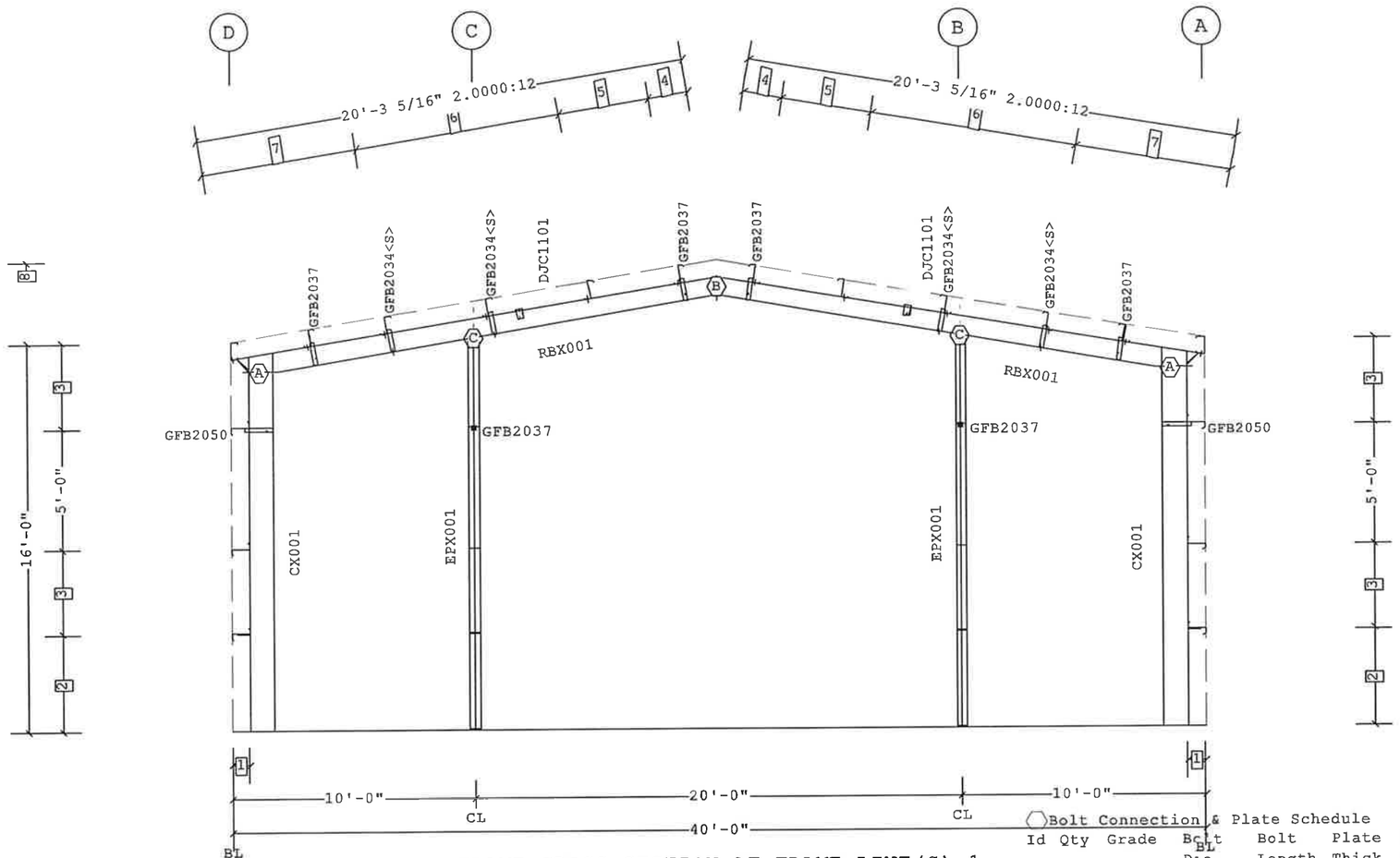
Frame Member Schedule

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CX001	1	5.0000	.1875	.1345	1'-0"	1'-0"	14'-9 1/2"	198#	
RBX001	2	5.0000	.1875	.1345	9"	9"	20'-3"	236#	
RBX001	3	5.0000	.1875	.1345	9"	9"	20'-3"	236#	
CX001	4	5.0000	.1875	.1345	1'-0"	1'-0"	14'-9 1/2"	198#	
EPX001	5	5.0000	.1345	.1345	9"	9"	16'-0 1/2"	149#	BR25CA
EPX001	6	5.0000	.1345	.1345	9"	9"	16'-0 1/2"	149#	BR25CA

Frame Clearances
Horiz. Clearance between members 1(CX001) and 4(CX001): 36'-7"
Vert. Clearance at member 1(CX001): 14'-9 1/2"
Vert. Clearance at member 4(CX001): 14'-9 1/2"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 1

8 19'-4" Ridge Ht.
7 2 @ 3'-2 7/16"
6 2 @ 4'-3"
5 3'-9"
4 1'-7 7/16"
3 3'-6"
2 4'-0"
1 8 1/2"
☐ Dimension Key

⬡ Bolt Connection & Plate Schedule

Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo
A	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284
B	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284
C	2	A325	3/4"	2 1/2"	-	-	-	0097284

<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.

Shape Name = Shop Wall 4, Frame 1

1. Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

Rev	Date	By	Description
B			

VP Buildings
3200 Players Club Circle Memphis TN 38125

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5/1/2025 12:52:20

FRAME CROSS SECTION AT FRAME LINE(S) 1

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

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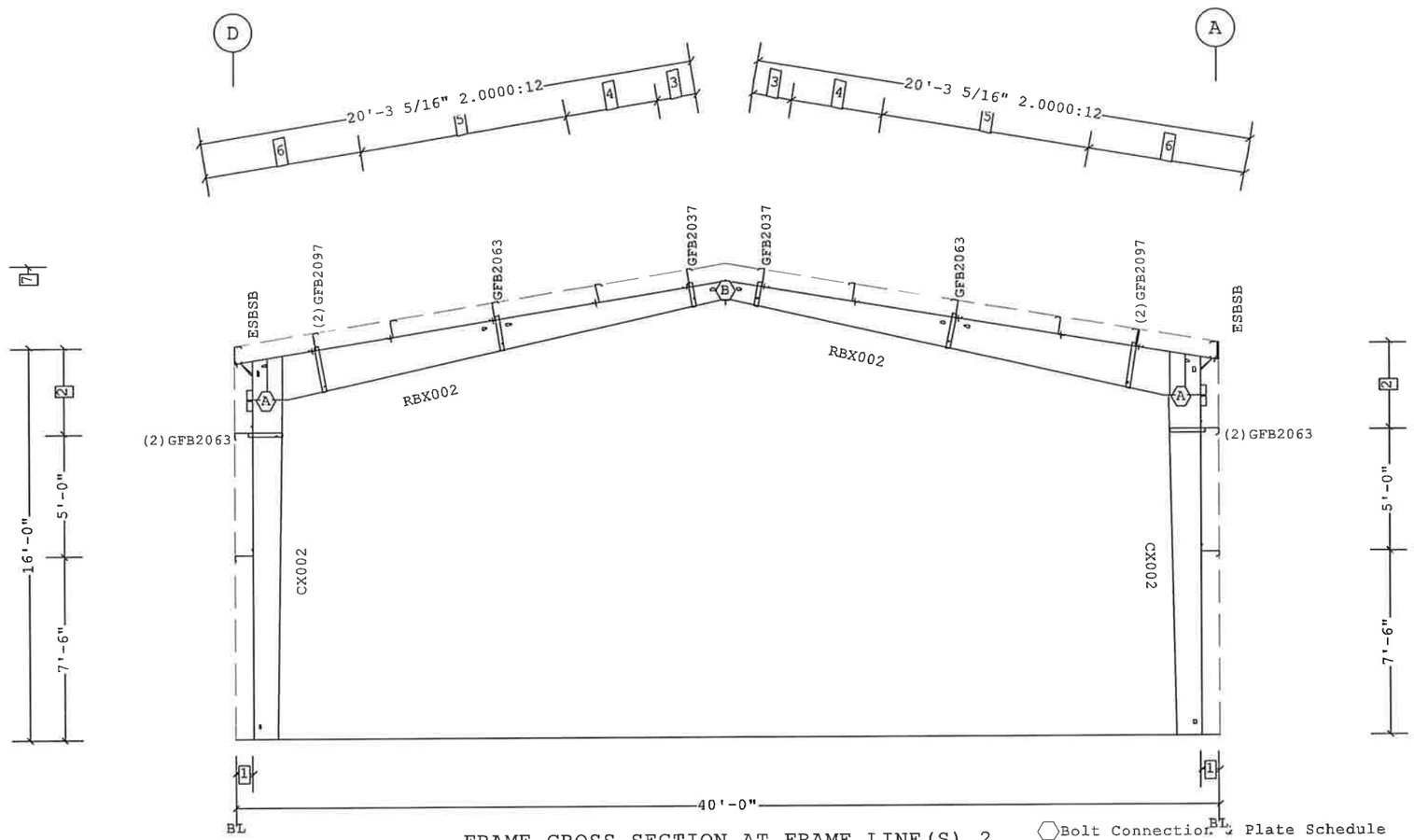
Frame Member Schedule

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight
CX002	1	6.0000	.2500	.1345	1'-0"	1'-3"	13'-9 13/16"	249#
RBX002	2	5.0000	.1875	.1345	1'-9"	9"	20'-3"	303#
RBX002	3	5.0000	.1875	.1345	9"	1'-9"	20'-3"	303#
CX002	4	6.0000	.2500	.1345	1'-0"	1'-3"	13'-9 13/16"	249#

Frame Clearances
Horiz. Clearance between members 1(CX002) and 4(CX002): 36'-1"
Vert. Clearance at member 1(CX002): 13'-9 13/16"
Vert. Clearance at member 4(CX002): 13'-9 13/16"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 2

◯Bolt Connection & Plate Schedule

Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo
A	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284
B	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284

7 19'-4" Ridge Ht.
6 2 @ 3'-2 7/16"
5 2 @ 4'-3"
4 3'-9"
3 1'-7 7/16"
2 3'-6"
1 8 1/2"
☐ Dimension Key

Shape Name = Shop Wall 4, Frame 2

1. Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

The VP Engineer's seal applies only to the work product of VP and design and performance requirements specified by VP. The VP Engineer's seal does not apply to the performance or design of any other product or component furnished by VP except to any design or performance requirements specified by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

B

Rev	Date	By	Description

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS
5/1/2025 12:52:21

FRAME CROSS SECTION AT FRAME LINE(S) 2

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VPC Version: 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
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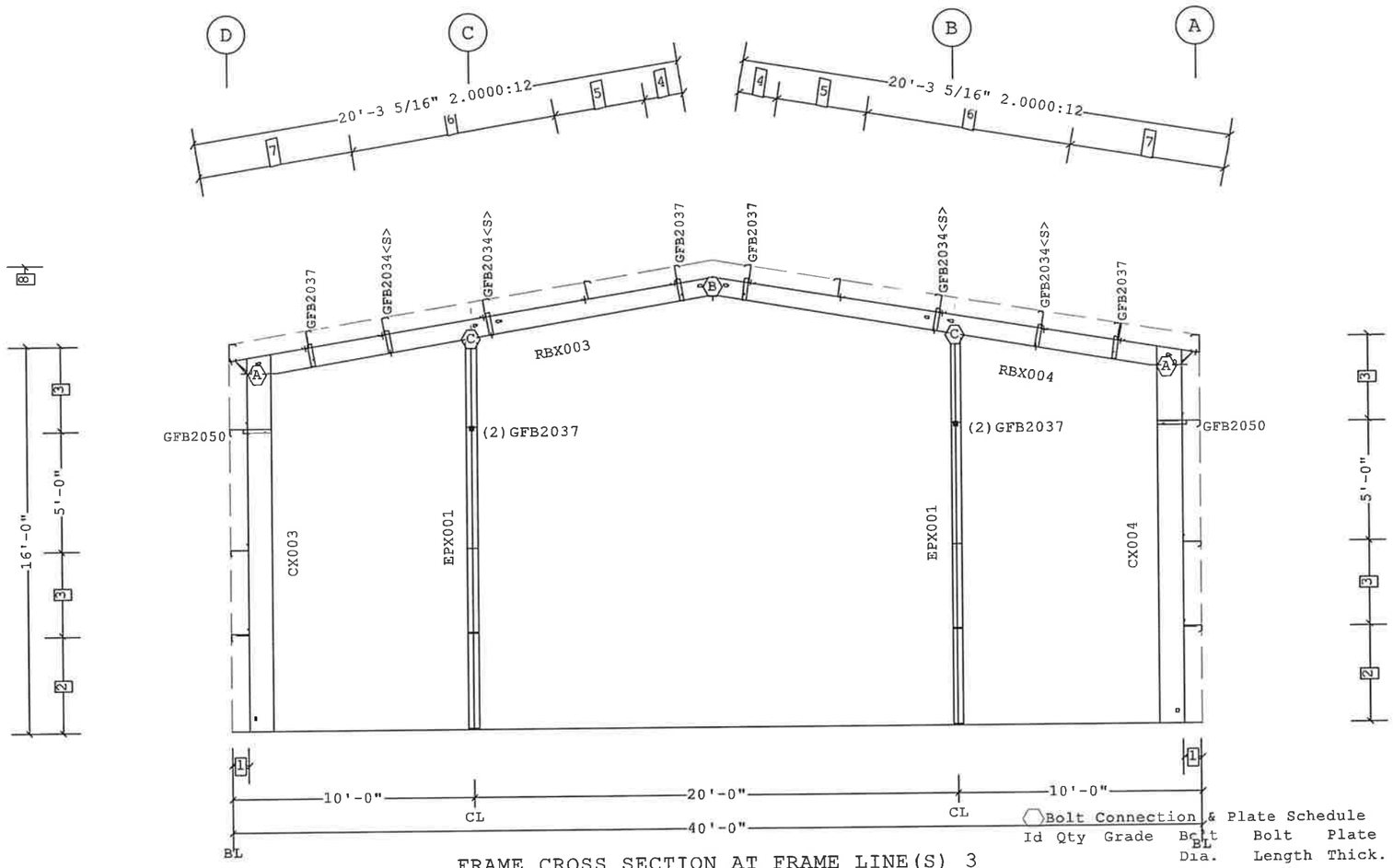
Page

Frame Member Schedule

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx.Lgth	Approx.Weight	Detail
CX003	1	5.0000	.1875	.1345	1'-0"	1'-0"	14'-9 1/2"	198#	
RBX003	2	5.0000	.1875	.1345	9"	9"	20'-3"	236#	
RBX004	3	5.0000	.1875	.1345	9"	9"	20'-3"	236#	
CX004	4	5.0000	.2500	.1345	1'-0"	1'-0"	14'-9 1/2"	228#	
EPX001	5	5.0000	.1345	.1345	9"	9"	16'-0 1/2"	149#	BR25CA
EPX001	6	5.0000	.1345	.1345	9"	9"	16'-0 1/2"	149#	BR25CA

Frame Clearances
Horiz. Clearance between members 1(CX003) and 4(CX004): 36'-7"
Vert. Clearance at member 1(CX003): 14'-9 1/2"
Vert. Clearance at member 4(CX004): 14'-9 1/2"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 3

8 19'-4" Ridge Ht.
7 2 @ 3'-2 7/16"
6 2 @ 4'-3"
5 3'-9"
4 1'-7 7/16"
3 3'-6"
2 4'-0"
1 8 1/2"
☐ Dimension Key

Bolt Connection & Plate Schedule

Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	PartNo
A	8	A325	3/4"	2 1/2"	3/8"	2	2	0097284
B	6	A325	3/4"	2 1/2"	3/8"	1	2	0097284
C	2	A325	3/4"	2 1/2"	-	-	-	0097284

<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.

1. Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

Shape Name = Shop Wall 4, Frame 3

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 12:52:23

FRAME CROSS SECTION AT FRAME LINE(S) 3

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
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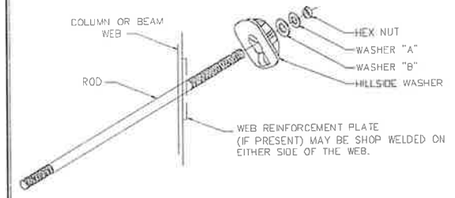
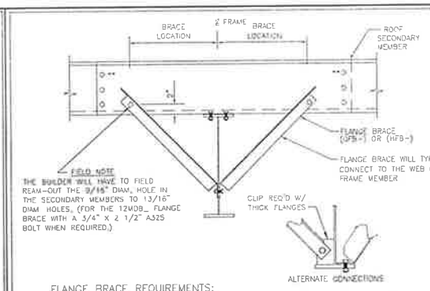


DESCRIPTION/PART NO				
ROD DIAM	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95321	3/8" FLAT WASHER (91408)	1/2" BEVEL SQUARE WASHER (46040)	543334
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	
5/8"	95233	5/8" FLAT WASHER (95945)		
3/4"	95235	3/4" FLAT WASHER (95846)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95847)		
1"	95238	1" FLAT WASHER (95259)	1 1/8" FLAT ROUND WASHER (95949)	543336
1 1/8"	95239	1 1/8" FLAT WASHER (95948)		

REV. DATE 08/02/17 | REV. NO 04

BR01G2 — ROD BRACE
WEB SLOT ASSEMBLY



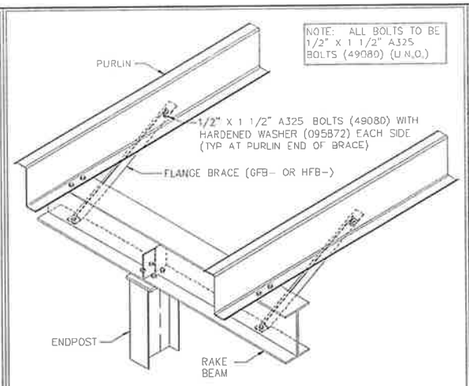
FLANGE BRACE REQUIREMENTS:

RULE#1– ALL FLANGE BRACES ON CROSS SECTIONS MUST BE INSTALLED.
RULE#2– SINGLE FLANGE BRACES ARE REQUIRED WHEN PART MARK ON CROSS SECTION IS NOT ACCOMPANIED BY (2).
RULE#3– FLANGE BRACES ARE REQUIRED BOTH SIDES OF THE FRAME WEB WHEN PART MARK IS ACCOMPANIED BY (2).
RULE#4– WHENEVER POSSIBLE, PLACE SINGLE BRACES TOWARD THE CENTER OF THE BUILDING.
RULE#5– WHENEVER POSSIBLE, PLACE ALL SINGLE BRACES ON THE SAME SIDE OF THE FRAME WEB.

** 10" & 11 1/2" PURLINS REQUIRE 3 BOLTS AT EACH END OF PURLIN LAP.

REV. DATE 05/08/18 | REV. NO. 02

BR06AE — TYPICAL FLANGE BRACE CONNECTIONS
CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN



REV. DATE 11/15/13 | REV. NO. 03

BR25CA — ENDPOST TOP BETWEEN PURLINS
NO CAP CHANNEL – BRACED TO PURLINS ONLY

F = FEET G = GAGE
I = INCHES O = OPERATION
E = EIGHTHS C = FIN/COLOR

PANEL/COVERING
W 1 3 1 1 7 2 6 1 K T D
* F F I I E G G O C C C
LENGTH CODE

INSULATION
I B 1 3 0 1 0 3 6 0 3 0 W V
* * F F I I I I I I E C C
LENGTH WIDTH THK CODE

SECONDARY (STANDARD)
0 B Z 1 9 1 1 4 1 7 – – – – –
* * * F F I I E C C * * * * *
DEPTH LENGTH SHAPE GAGE ADJUST.CODES

SECONDARY (SPECIAL)
0 0 1 0 8 Z 1 9 1 1 4 1 7 – – –
* – – – – – F F I I E G G * * *
COUNTER DEPTH & SHAPE LENGTH GAGE ADJUST CODES

ROD BRACING
0 3 R S 2 5 1 D
I E * * F F I I
DIA LENGTH

CX*** = COLUMN (PLATE)
CGX*** = COLUMN (GAGE)
WCX*** = COLUMN (HOTROLL)

RBX*** = RAFTER (PLATE)
RGX*** = RAFTER (GAGE)
WRX*** = RAFTER (HOTROLL)
TRX*** = TRUSS RAFTER

ICX*** = INTERIOR COLUMN
PCX*** = PIPE COLUMN
TCX*** = TUBE COLUMN

EPX*** = ENDPOST (PLATE)
EGX*** = ENDPOST (GAGE)

CBX*** = CANOPY (PLATE)
CBX*** = PIGGYBACK CANOPY

DCC*** = 8 1/2" GAGE POST
DCE*** = 10" GAGE POST

RS = THREADS BOTH ENDS
RT = THREADS ONE END – CLEVIS ONE END
RU = CLEVIS BOTH ENDS
RP = THREAD BOTH ENDS – NO HILLSIDES

REV. DATE 04/29/13 | REV. NO 01

EN50B1 — MARK NUMBER KEY
COMMON GENERATED MARK NUMBERS

BASIC ERECTION GUIDE REQUIRED FOR THIS PROJECT:

REFER TO:

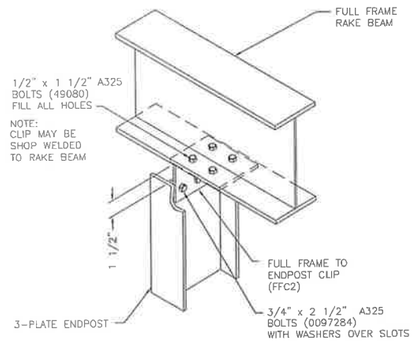
VARCO PRUDEN BUILDINGS
BASIC ERECTION GUIDE

The Field Guide for correctly storing and erecting Varco Pruden Metal Building Systems

BACK COVER: 4001 BASIC ERECTION GUIDE

REV. DATE 01/20/14 | REV. NO 00

ENV002 — BASIC ERECTION GUIDE – STRUCTURAL



REV. DATE 04/04/23 | REV. NO. 02

PF10CA — 3-PLATE ENDPOST TO FULL FRAME
FULL FRAME ENDWALL

1. Use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections, secondary clip connections, and flange brace connections, unless noted otherwise.
2. Slot reinforcement plates need not be located on the same side of the web as the hillside washer.

The VP Engineer's seal applies only to the work product of VP and design and performance requirements specified by VP. The VP Engineer's seal does not apply to the performance or design of any other product or component furnished by VP except to any design or performance requirements specified by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

B

Rev	Date	By	Description

NTS
5/1/2025 SEDSheet 12:52:23

VP Buildings
3200 Players Club Circle Memphis TN 38125

PRIMARY BRACING SED'S

Builder
Customer
Location Sugar Grove, Illinois
Project Mike Stoffa
Builder's PO#
Filename Mike Stoff

VP BUILDINGS VARCOPRUDEN
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date 5/1/2025
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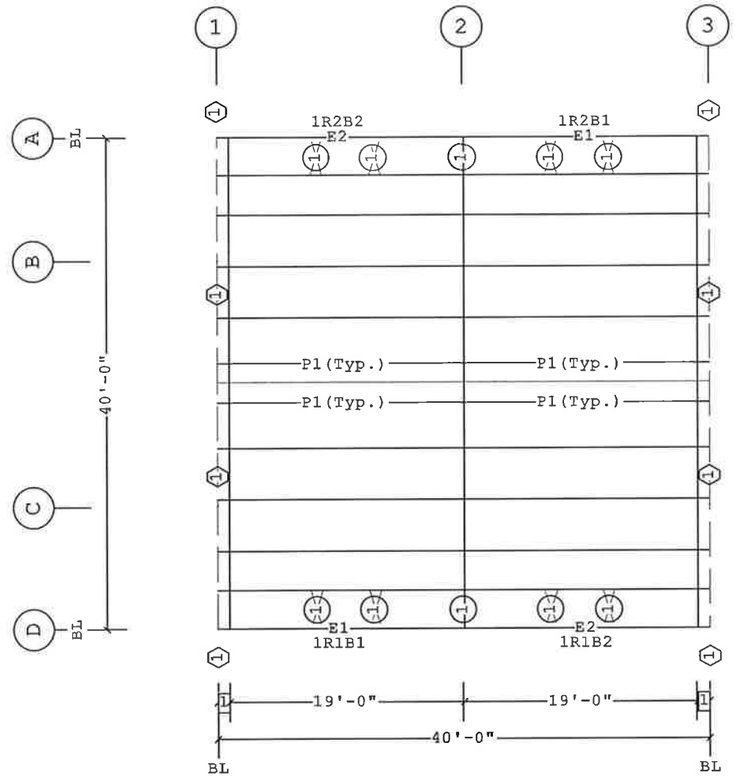
Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
E1	00108ES1911417B02	0.0600	8 1/2"		RS12PH,RS12PA
E2	00208ES1911417B02	0.0600	8 1/2"		RS12PH,RS12PA
P1	08Z2011417A1B0	0.0600	8 1/2"	10 1/2"	RS02T1,RS01T1



ROOF SECONDARY PLAN

◯ Secondary Bracing Schedule

Id	Qty	Mark No	Spacing
1	18	PBA0306	3'-2 7/16"

See SED:
BR09K5, BR09JG, BR09RY, BR09RZ, BR09K2

⬡ Part Mark Key

1	RCHB15

1 1'-0"
☐ Dimension Key

Shape Name = Shop

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
3. Removal or alteration of any component is prohibited.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 12:52:26

ROOF SECONDARY PLAN

Builder
Customer
Location Sugar Grove, Illinois
Project Mike Stoffa
Builder's PO#
Filename Mike Stoff

VP BUILDINGS
UNICO/NUCOR

VPC Version 25.1.1

a division of BlueScope Buildings North America, Inc.

Job #
Date 5/1/2025
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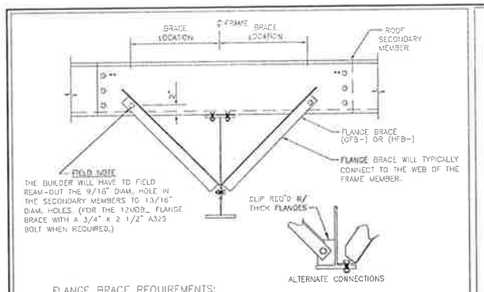


FLANGE BRACE REQUIREMENTS:

RULE#1- ALL FLANGE BRACES ON CROSS SECTIONS MUST BE INSTALLED.

RULE#2- SINGLE FLANGE BRACES ARE REQUIRED WHEN PART MARK ON CROSS SECTION IS NOT ACCOMPANIED BY (2).

RULE#3- FLANGE BRACES ARE REQUIRED BOTH SIDES OF THE FRAME WEB WHEN PART MARK IS ACCOMPANIED BY (2).

RULE#4- WHENEVER POSSIBLE, PLACE SINGLE BRACES TOWARD THE CENTER OF THE BUILDING.

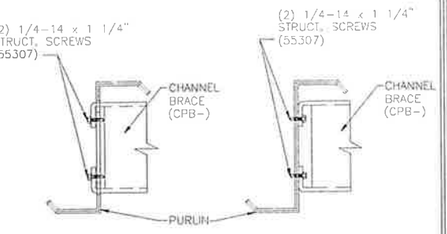
RULE#5- WHENEVER POSSIBLE, PLACE ALL SINGLE BRACES ON THE SAME SIDE OF THE FRAME WEB.

** 10" & 11 1/2" PURLINS REQUIRE 3 BOLTS AT EACH END OF PURLIN LAP.

REV. DATE: 02/06/18 | REV. NO. 02 | BR06AE | TYPICAL FLANGE BRACE CONNECTIONS — CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN

ERECTION NOTE:

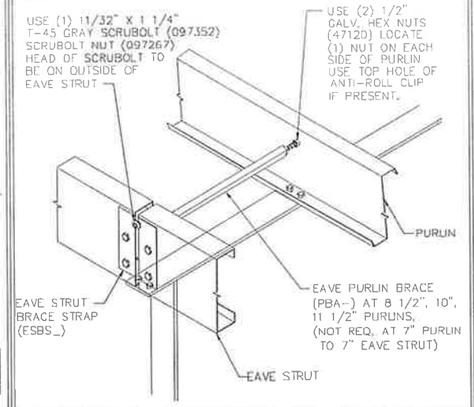
WHEN A CHANNEL BRACE DOES NOT LINE UP WITH ANOTHER CHANNEL BRACE OR THE SLOTS IN THE PURLIN WEB FOR A DROP PIN CONNECTION BEND THE CHANNEL TABS TOWARD THE PURLIN WEB AND USE A SELF-DRILLER (55307) TO ATTACH.



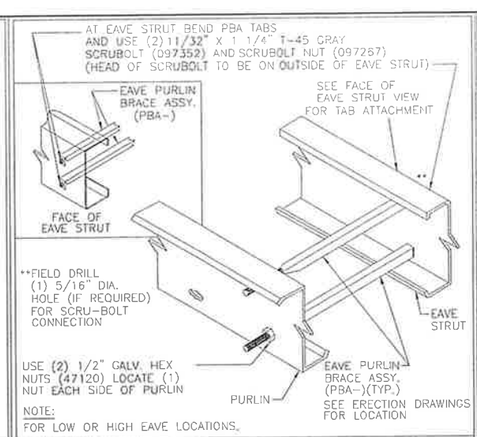
USE WHEN CHANNEL BRACE DOES LINE UP WITH THE SLOTS IN THE PURLIN WEB.

USE WHEN CHANNEL BRACE DOES NOT LINE UP WITH THE SLOTS IN THE PURLIN WEB.

REV. DATE: 02/05/24 | REV. NO. 02 | BR09JC | CHANNEL BRACE ENDING AT PURLIN WEB — SELF-DRILLER WITH BENT TABS

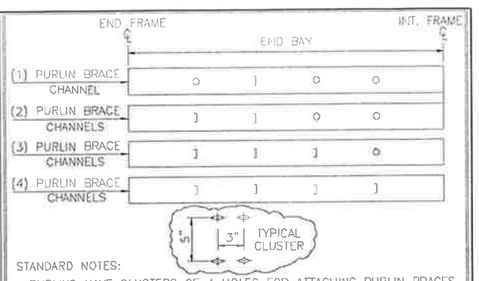


REV. DATE: 07/22/16 | REV. NO. 03 | BR09K2 | EAVE BRACE STRAP AND EAVE PURLIN BRACE LOCATED AT EAVE – CENTERLINE OF FRAME



NOTE:
FOR LOW OR HIGH EAVE LOCATIONS.

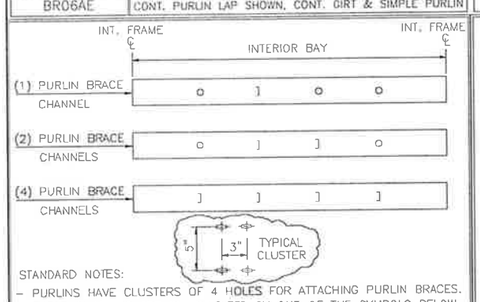
REV. DATE: 03/23/22 | REV. NO. 05 | BR09K5 | EAVE STRUT BRACE



STANDARD NOTES:

- PURLINS HAVE CLUSTERS OF 4 HOLES FOR ATTACHING PURLIN BRACES. THESE CLUSTERS ARE REPRESENTED BY ONE OF THE SYMBOLS BELOW:
  - O – DO NOT INSTALL PURLIN BRACES AT THIS CLUSTER LOCATION.
  -] – INSTALL PURLIN BRACES AT THIS CLUSTER LOCATION. SEE SECONDARY ROOF DRAWING FOR BRACE REQUIREMENTS.
- INSTALL PURLIN BRACES AT THE RIDGE AND WORK TOWARD THE EAVE.
- CHANNEL BRACE MAY BE LOCATED IN EITHER SET OF SLOTS IN CLUSTER PROVIDED THEY ARE ALIGNED FROM EAVE TO EAVE IN A GIVEN BAY.

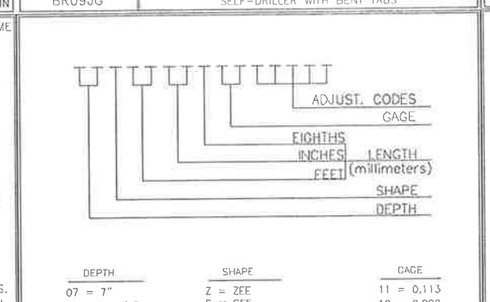
REV. DATE: 03/29/24 | REV. NO. 02 | BR09RY | PURLIN BRACE CLUSTER LOCATION — END BAY CHANNEL LOCATION



STANDARD NOTES:

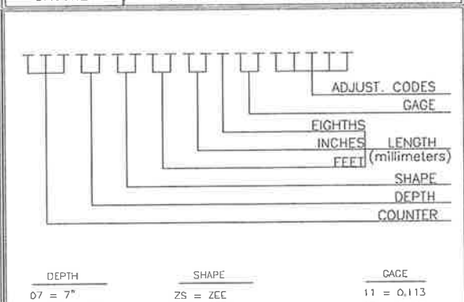
- PURLINS HAVE CLUSTERS OF 4 HOLES FOR ATTACHING PURLIN BRACES. THESE CLUSTERS ARE REPRESENTED BY ONE OF THE SYMBOLS BELOW:
  - O – DO NOT INSTALL PURLIN BRACES AT THIS CLUSTER LOCATION.
  -] – INSTALL PURLIN BRACES AT THIS CLUSTER LOCATION. SEE SECONDARY ROOF DRAWING FOR BRACE REQUIREMENTS.
- INSTALL PURLIN BRACES AT THE RIDGE AND WORK TOWARD THE EAVE.
- CHANNEL BRACE MAY BE LOCATED IN EITHER SET OF SLOTS IN CLUSTER PROVIDED THEY ARE ALIGNED FROM EAVE TO EAVE IN A GIVEN BAY.

REV. DATE: 07/01/08 | REV. NO. 00 | BR09RZ | PURLIN BRACE CLUSTER LOCATION — INTERIOR BAY CHANNEL LOCATION



DEPTH	SHAPE	GAGE
07 = 7"	Z = ZEE	11 = 0.113
08 = 8 1/2"	C = CEE	12 = 0.098
10 = 10"	E = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	H = HIGH EAVE STRUT	14 = 0.079
		15 = 0.073
		16 = 0.068
		17 = 0.060

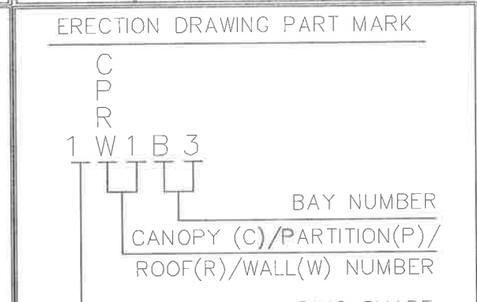
REV. DATE: 07/01/08 | REV. NO. 00 | EN51B1 | SECONDARY PART MARK NUMBER — COMMON GENERATED MARK NUMBERS



DEPTH	SHAPE	GAGE
07 = 7"	ZS = ZEE	11 = 0.113
08 = 8 1/2"	CS = CEE	12 = 0.098
10 = 10"	ES = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	HS = HIGH EAVE STRUT	14 = 0.079
	BB = BACK TO BACK CEE	15 = 0.073
	FB = FACE TO BACK CEE	16 = 0.068
	FF = FACE TO FACE CEE	17 = 0.060

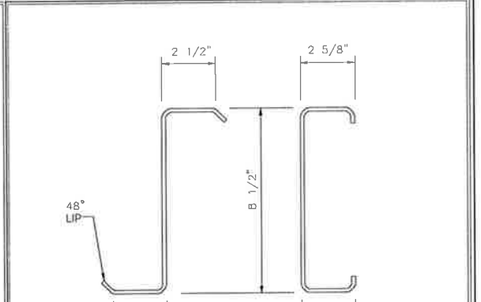
REV. DATE: 07/21/09 | REV. NO. 00 | EN51B2 | SPECIAL SECONDARY PART MARK KEY — COMMON GENERATED MARK NUMBERS

ERECTION DRAWING PART MARK

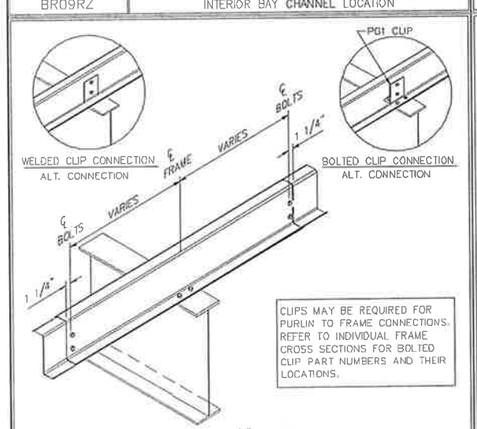


THE BAY/BUNDLE CODE IDENTIFIES THE BUILDING CANOPY/PARTITION/ ROOF/WALL PLANE AND BAY

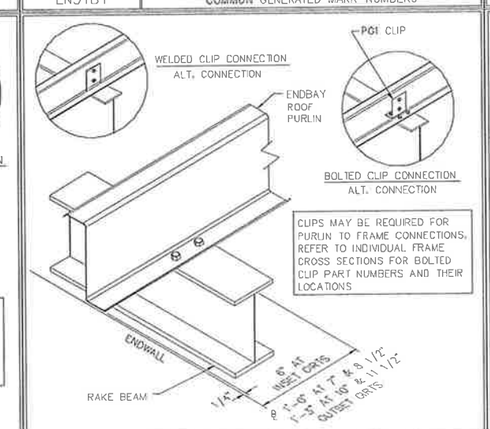
REV. DATE: 01/31/13 | REV. NO. 01 | EN51B3 | SECONDARY BUNDLE LOCATION KEY — ALL SECONDARY DEPTHS



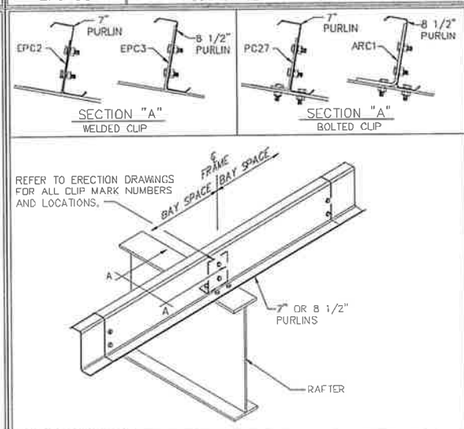
REV. DATE: 01/01/09 | REV. NO. 00 | EN53F1 | PURLIN AND GIRT SIZES — 8 1/2" 216mm



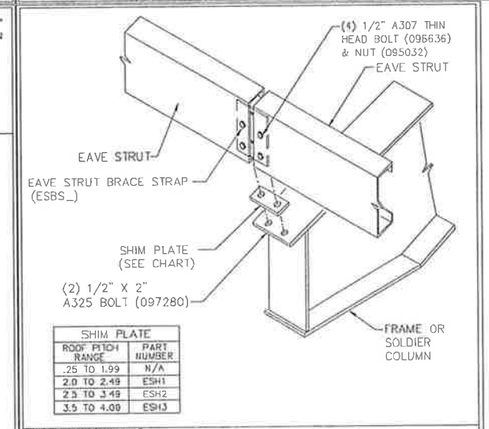
REV. DATE: 06/17/13 | REV. NO. 02 | RS01T1 | PURLIN CONNECTION AT INTERIOR FRAME — CONTINUOUS PURLINS



REV. DATE: 06/17/13 | REV. NO. 02 | RS02T1 | PURLIN CONNECTION TO END FRAME — CONTINUOUS PURLINS



REV. DATE: 06/11/14 | REV. NO. 04 | RS03J1 | ANTI-ROLL PURLIN CLIPS — WHEN REQUIRED BY DESIGN



SHIM PLATE	
ROOF PITCH RANGE	PART NUMBER
.25 TO 1.99	N/A
2.0 TO 2.49	ESH1
2.5 TO 3.49	ESH2
3.5 TO 4.00	ESH3

REV. DATE: 07/20/16 | REV. NO. 03 | RS12PA | EAVE STRUT CONNECTION AT INTERIOR FRAME

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
3. Removal or alteration of any component is prohibited.

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B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 SEDSheet 12:52:26

ROOF SECONDARY SED'S (a)

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS VARCOPRUDDY

VPC Version 25.1.1

a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
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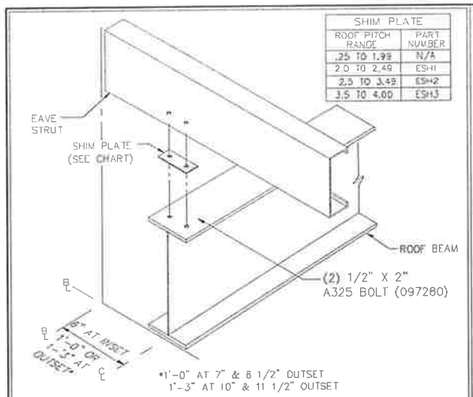
Page



SHIM PLATE	
ROOF PITCH RANGE	PART NUMBER
.25 TO 1.99	N/A
2.0 TO 2.49	ESH1
2.5 TO 3.49	ESH2
3.5 TO 4.00	ESH3

LOW EAVE STRUT SHOWN – HIGH EAVE STRUT SIMILAR

REV. DATE: 03/28/25 | REV. NO. 01

RS12PH

EAVE STRUT CONNECTION AT END FRAME

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
3. Removal or alteration of any component is prohibited.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 SEDSheet 12:52:27

ROOF SECONDARY SED'S (b)

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDEN

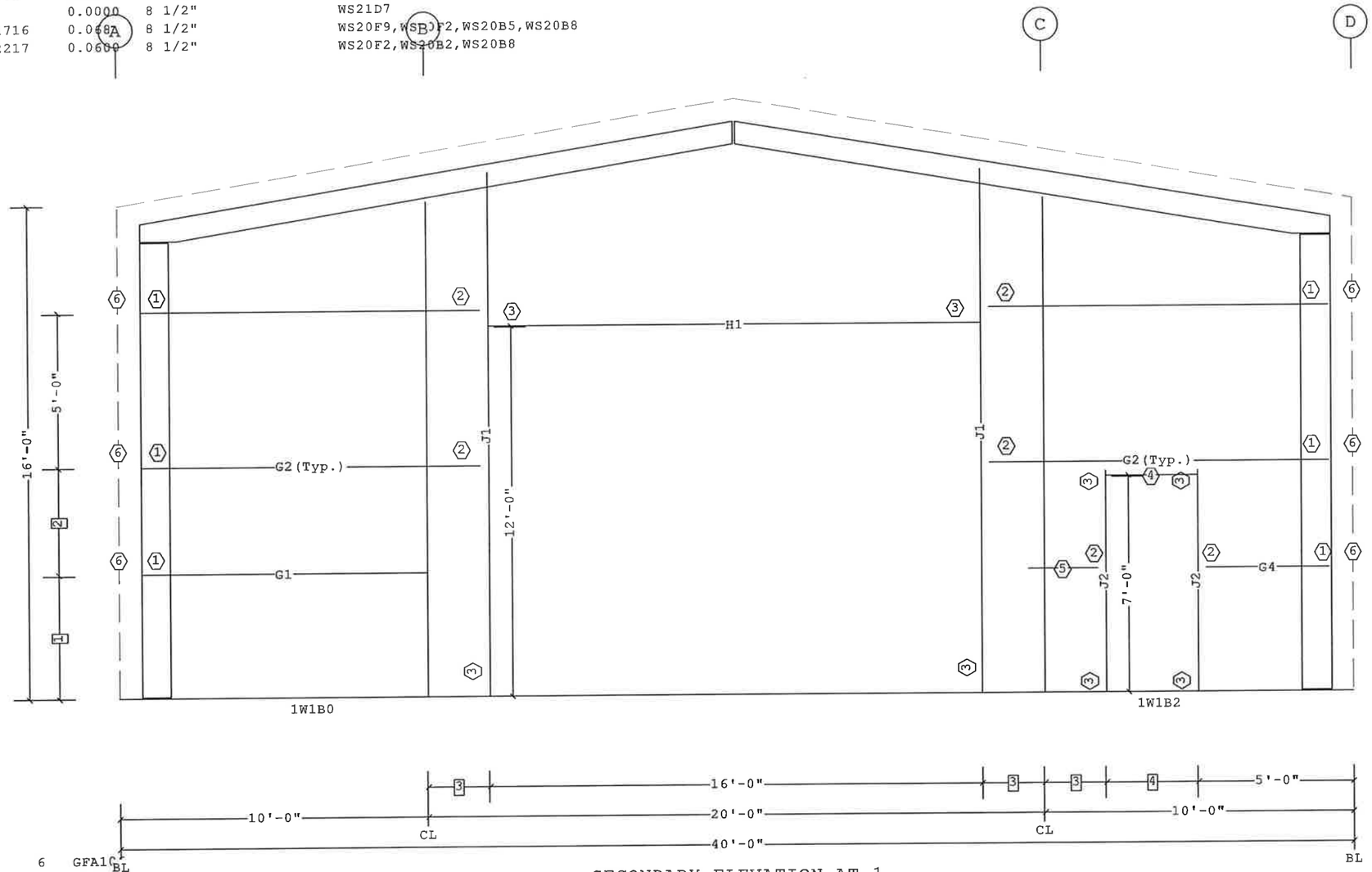
VPC Version 25.1.1

a division of BlueScope Buildings North America, Inc.

Job #
Date 5/1/2025
Drawn/Check
Page

Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G1	08Z0902417DQ00	0.0600	8 1/2"		WS12A2,WSR065,WS01G2
G2	00108ZS101141700	0.0600	8 1/2"		WS12A2,WS20F2
G3	08Z0202417BG00	0.0600	8 1/2"		WS12A2,WS20F2,WSR065,WS01M3
G4	08Z0311417GQ00	0.0600	8 1/2"		WS12A2,WS20F2
H1	00108JS1600017	0.0600	8 1/2"		WS20F9
H2	DHC0300017	0.0000	8 1/2"		WS21D7
J1	00208JS1611716	0.0688	8 1/2"		WS20F9,WS20F2,WS20B5,WS20B8
J2	00308JS0702217	0.0600	8 1/2"		WS20F2,WS20B2,WS20B8



SECONDARY ELEVATION AT 1

4	3'-0"
3	2'-0"
2	3'-6"
1	4'-0"

Dimension Key

6	GFA1C
5	G3
4	H2
3	PG1
2	JTG1
1	VCC07003090

Part Mark Key

Shape Name = Shop, Wall = 1

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
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Rev	Date	By	Description
B			

NTS

5/1/2025 12:52:30

VP Buildings
3200 Players Club Circle Memphis TN 38125

SECONDARY ELEVATION AT 1

Builder:
Customer:
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#:
Filename: Mike Stoff

VP BUILDINGS

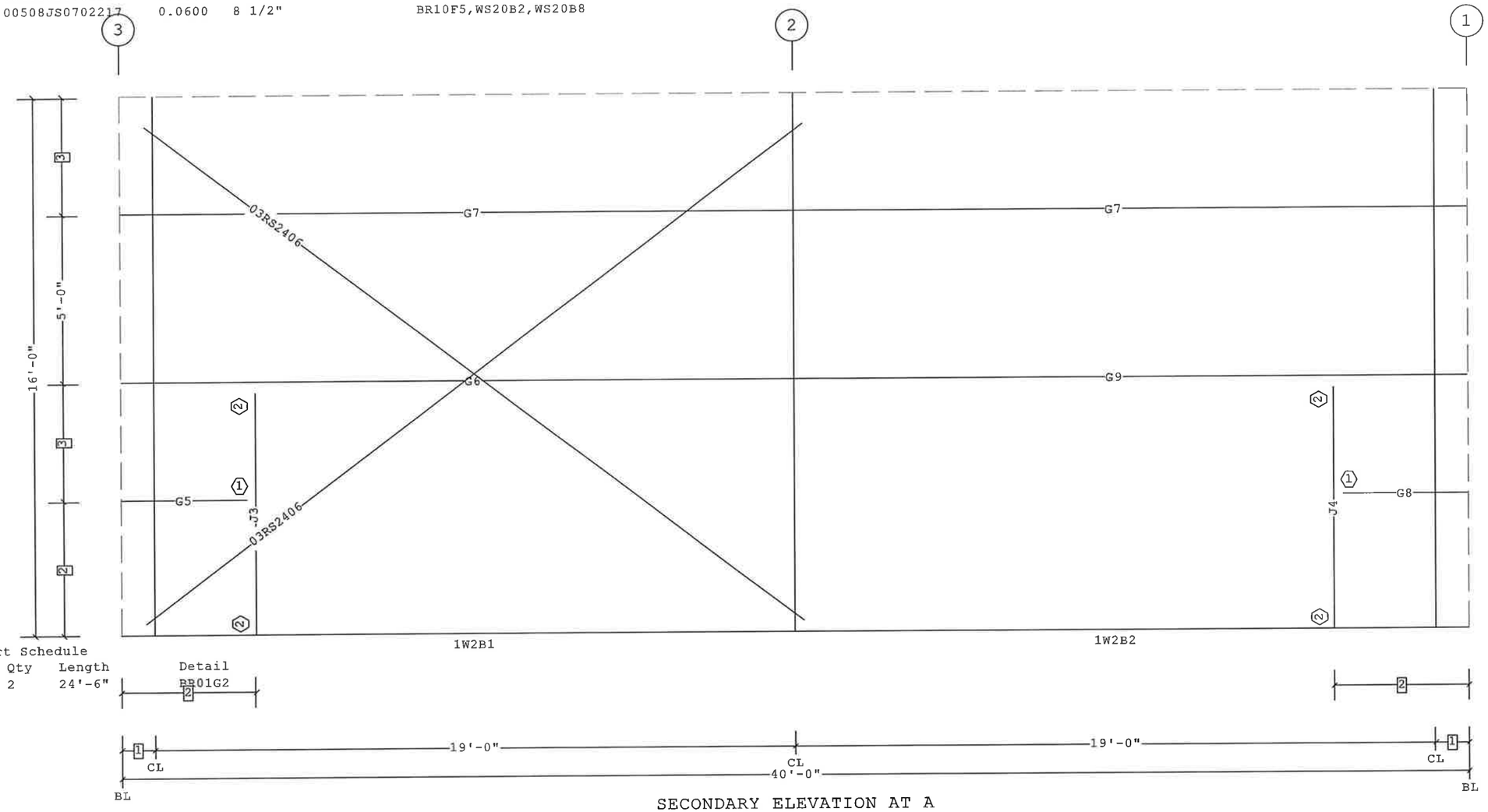
VPC Version 25.1.1

a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
Drawn/Check
Page

Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G5	00208ZS030841700	0.0600	8 1/2"		WS12A2,BR10F5,WS20F2
G6	00308ZS201141700	0.0600	8 1/2"	10 1/2"	WS12A2,WSR065,WS01G3
G7	08Z2011417A100	0.0600	8 1/2"	10 1/2"	WS12A2,WSR065,WS01G3
G8	00408ZS030841700	0.0600	8 1/2"		WS12A2,BR10F5,WS20F2
G9	00508ZS201141700	0.0600	8 1/2"	10 1/2"	WS12A2,BR10F5,WSR065,WS01G3
J3	00408JS0702217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8
J4	00508JS0702217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8



SECONDARY ELEVATION AT A

Bracing Part Schedule

Part	Qty	Length	Detail
03RS2406	2	24'-6"	BR01G2

3 3'-6"
2 4'-0"
1 1'-0"
Dimension Key

2 PG1
1 JTG1
Part Mark Key

Shape Name = Shop, Wall = 2

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
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B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 12:52:31

SECONDARY ELEVATION AT A

Builder:
Customer:
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#:
Filename: Mike Stoff

VP BUILDINGS

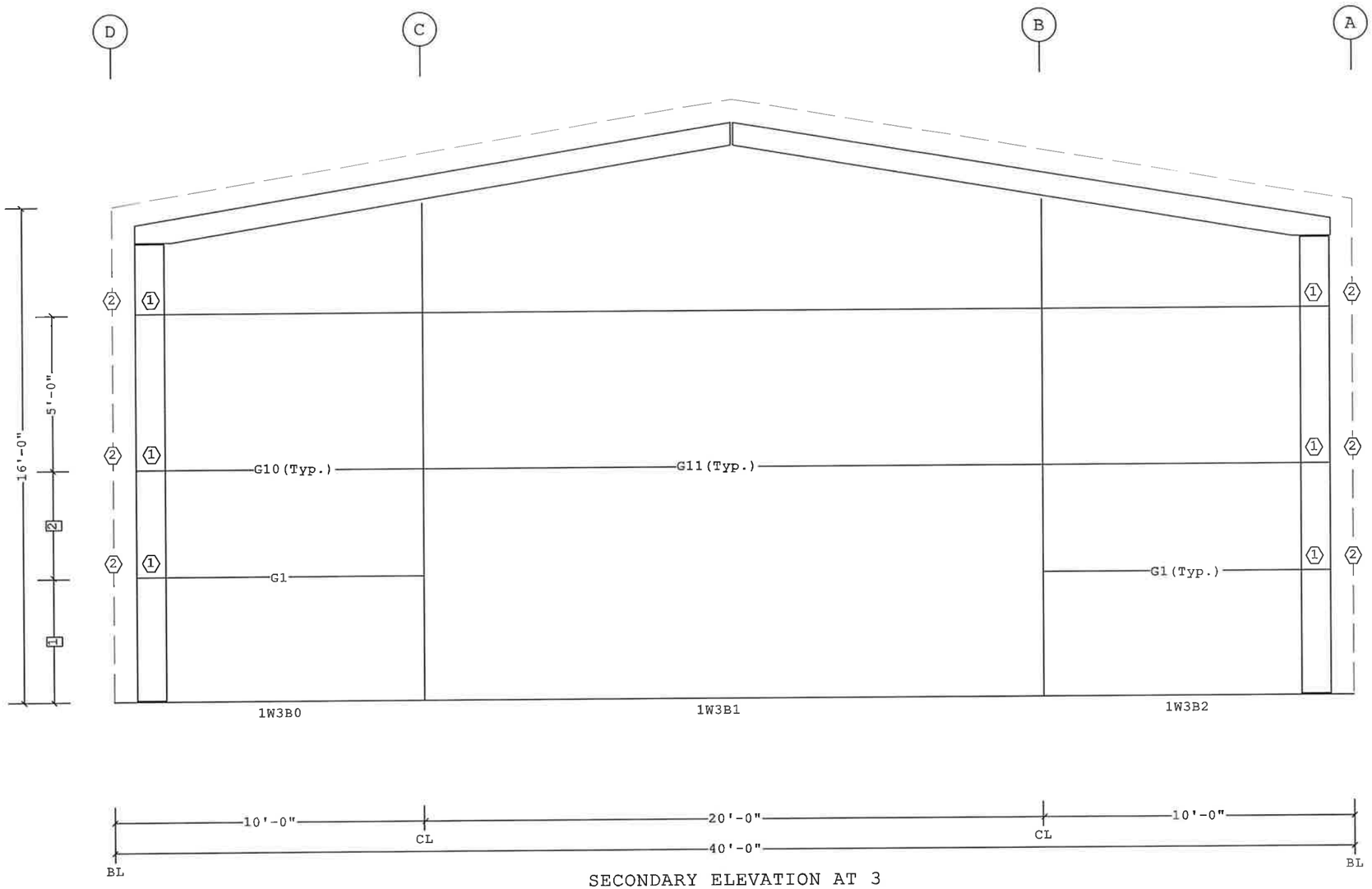
VPC Version: 25.1.1

Job #:
Date: 5/1/2025
Drawn/Check:
Page:

a division of BlueScope Buildings North America, Inc.

Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G1	08Z0902417DQ00	0.0600	8 1/2"		WS12A2,WSR065,WS01G2
G10	08Z1002417Q100	0.0600	8 1/2"	10 1/2"	WS12A2,WSR065,WS01G3
G11	08Z2011417D100	0.0600	8 1/2"	10 1/2"	WS01G2,WSR065,WS01G3



SECONDARY ELEVATION AT 3

2	3'-6"	2	GFA106
1	4'-0"	1	VCC07003090
☐	Dimension Key	⬡	Part Mark Key

Shape Name = Shop, Wall = 3

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
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B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 12:52:32

SECONDARY ELEVATION AT 3

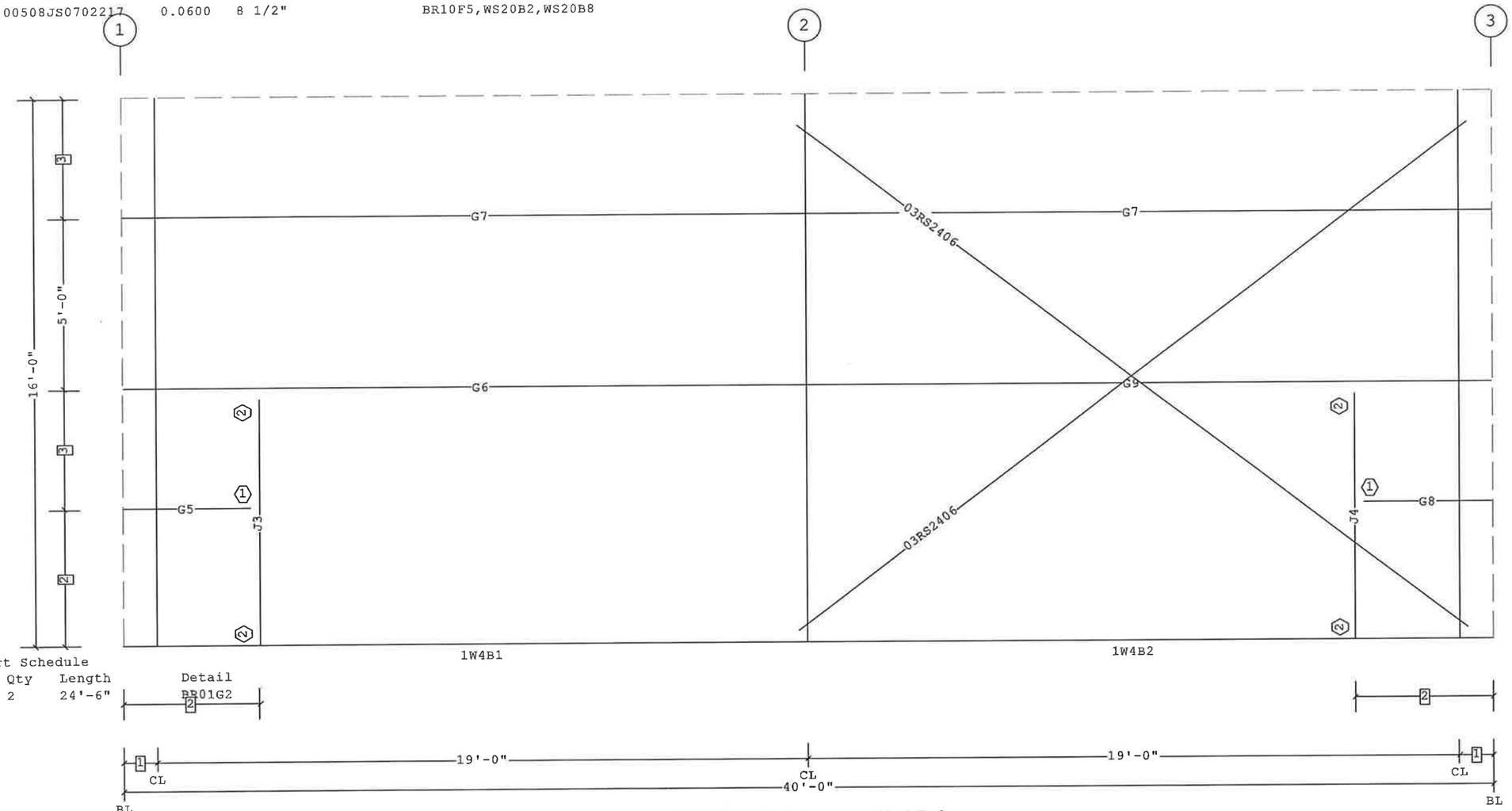
Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDEN
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
Drawn/Check
Page

Secondary Part Schedule

Mark	Part	Thick.	Depth	Lap	Detail
G5	00208ZS030841700	0.0600	8 1/2"		WS12A2,BR10F5,WS20F2
G6	00308ZS201141700	0.0600	8 1/2"	10 1/2"	WS12A2,WSR065,WS01G3
G7	08Z2011417A100	0.0600	8 1/2"	10 1/2"	WS12A2,WSR065,WS01G3
G8	00408ZS030841700	0.0600	8 1/2"		WS12A2,BR10F5,WS20F2
G9	00508ZS201141700	0.0600	8 1/2"	10 1/2"	WS12A2,BR10F5,WSR065,WS01G3
J3	00408JS0702217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8
J4	00508JS0702217	0.0600	8 1/2"		BR10F5,WS20B2,WS20B8



Bracing Part Schedule

Part	Qty	Length	Detail
03RS2406	2	24'-6"	BR01G2

3 3'-6"
2 4'-0"
1 1'-0"
Dimension Key

2 PG1
1 JTG1
Part Mark Key

SECONDARY ELEVATION AT D

Shape Name = Shop, Wall = 4

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
3. Removal or alteration of any component is prohibited.

B

Rev	Date	By	Description

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS

5/1/2025 12:52:33

SECONDARY ELEVATION AT D

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
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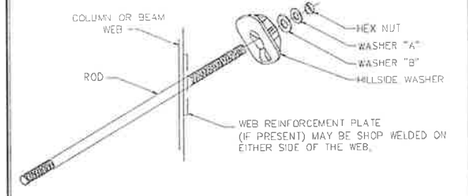
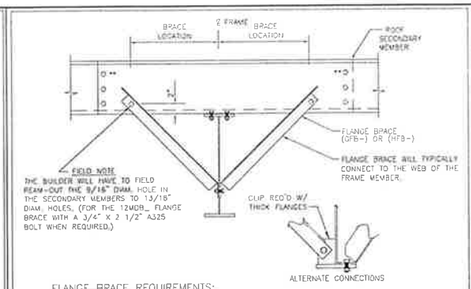


DESCRIPTION/PART NO				
ROD DIAM	NUT	HARD STEEL ROUND WASHER A	HARD STEEL WASHER B	HILLSIDE WASHER
3/8"	95331	3/8" FLAT WASHER (96408)	1/2" BEVEL SQUARE WASHER (46040)	543334
1/2"	95230	1/2" FLAT WASHER (95872)	3/4" FLAT ROUND WASHER (95946)	
5/8"	95233	5/8" FLAT WASHER (95845)		
3/4"	95235	3/4" FLAT WASHER (95846)	1" FLAT ROUND WASHER (95948)	543335
7/8"	95237	7/8" FLAT WASHER (95847)		
1"	95238	1" FLAT WASHER (95916)	1 1/8" FLAT ROUND WASHER (95949)	543336
1 1/8"	95239	1 1/8" FLAT WASHER (95949)		

REV. DATE:08/02/17 | REV. NO.04 — BR01G2 — ROD BRACE WEB SLOT ASSEMBLY

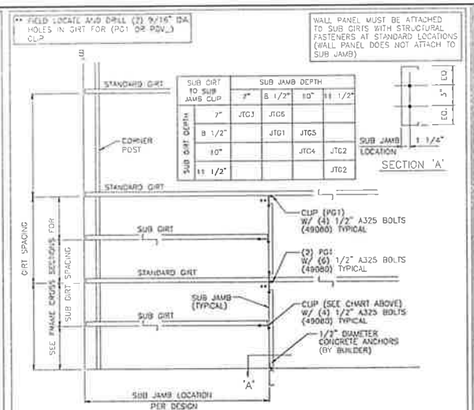


FLANGE BRACE REQUIREMENTS:

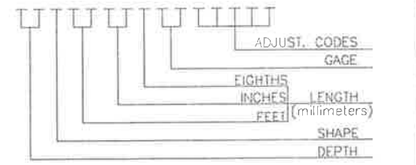
RULE#1– ALL FLANGE BRACES ON CROSS SECTIONS MUST BE INSTALLED.
RULE#2– SINGLE FLANGE BRACES ARE REQUIRED WHEN PART MARK ON CROSS SECTION IS NOT ACCOMPANIED BY (2).
RULE#3– FLANGE BRACES ARE REQUIRED BOTH SIDES OF THE FRAME WEB WHEN PART MARK IS ACCOMPANIED BY (2).
RULE#4– WHENEVER POSSIBLE, PLACE SINGLE BRACES TOWARD THE CENTER OF THE BUILDING.
RULE#5– WHENEVER POSSIBLE, PLACE ALL SINGLE BRACES ON THE SAME SIDE OF THE FRAME WEB.

** 10" & 11 1/2" PURLINS REQUIRE 3 BOLTS AT EACH END OF PURLIN LAP.

REV. DATE:05/02/16 | REV. NO.02 — BR06AE — TYPICAL FLANGE BRACE CONNECTIONS CONT. PURLIN LAP SHOWN, CONT. GIRT & SIMPLE PURLIN

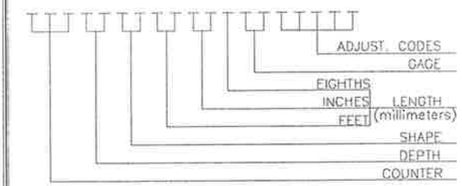


REV. DATE:07/10/24 | REV. NO.03 — BR10F5 — CORNER ZONE BRACING WALL PLAN VIEW (JAMB SUPPORT)



DEPTH	SHAPE	GAGE
07 = 7"	Z = ZEE	11 = 0.113
08 = 8 1/2"	C = CEE	12 = 0.098
10 = 10"	E = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	H = HIGH EAVE STRUT	14 = 0.079
		15 = 0.073
		16 = 0.068
		17 = 0.060

REV. DATE:07/01/08 | REV. NO.00 — EN51B1 — SECONDARY PART MARK NUMBER COMMON GENERATED MARK NUMBERS



DEPTH	SHAPE	GAGE
07 = 7"	ZS = ZEE	11 = 0.113
08 = 8 1/2"	CS = CEE	12 = 0.098
10 = 10"	ES = LOW EAVE STRUT	13 = 0.088
11 = 11 1/2"	HS = HIGH EAVE STRUT	14 = 0.079
	BB = BACK TO BACK CEE	15 = 0.073
	FB = FACE TO BACK CEE	16 = 0.068
	FF = FACE TO FACE CEE	17 = 0.060

REV. DATE:07/01/08 | REV. NO.00 — EN51B2 — SPECIAL SECONDARY PART MARK KEY COMMON GENERATED MARK NUMBERS

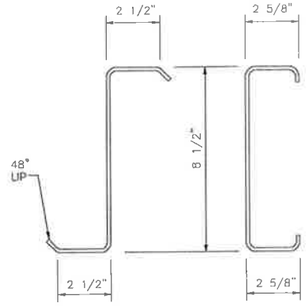
ERECTION DRAWING PART MARK

C
P
R
1 W 1 B 3

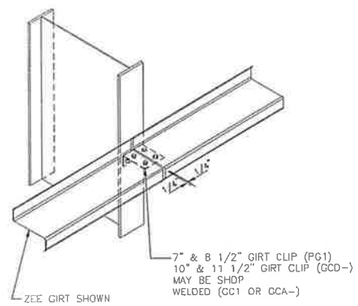
- 3 — BAY NUMBER
- B — BUILDING SHAPE
- 1 — CANOPY (C)/PARTITION(P)/ ROOF(R)/WALL(W) NUMBER
- W — CANOPY (C)/PARTITION(P)/ ROOF(R)/WALL(W) NUMBER
- 1 — CANOPY (C)/PARTITION(P)/ ROOF(R)/WALL(W) NUMBER
- P — CANOPY (C)/PARTITION(P)/ ROOF(R)/WALL(W) NUMBER
- C — CANOPY (C)/PARTITION(P)/ ROOF(R)/WALL(W) NUMBER

THE BAY/BUNDLE CODE IDENTIFIES THE BUILDING CANOPY/PARTITION/ ROOF/WALL PLANE AND BAY

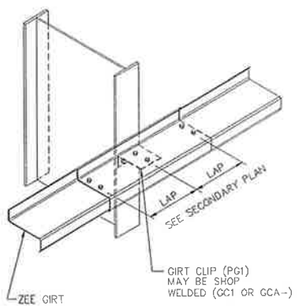
REV. DATE:01/31/13 | REV. NO.01 — EN51B3 — SECONDARY BUNDLE LOCATION KEY ALL SECONDARY DEPTHS



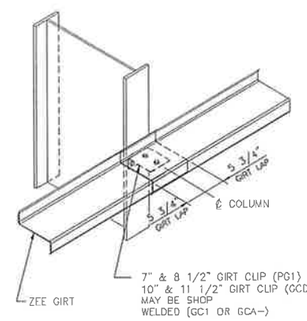
REV. DATE:01/01/08 | REV. NO.02 — EN53F1 — PURLIN AND GIRT SIZES 8 1/2" 216mm



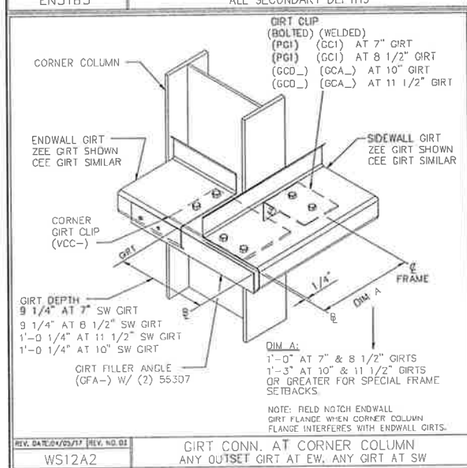
REV. DATE:01/01/09 | REV. NO.03 — WS01G2 — GIRT CONN. AT COLUMN OUTSET SIMPLE GIRTS



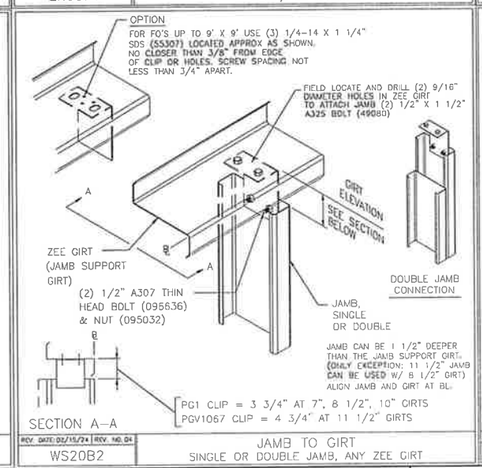
REV. DATE:01/22/11 | REV. NO.01 — WS01G3 — GIRT CONN. AT COLUMN OUTSET CONTINUOUS GIRT



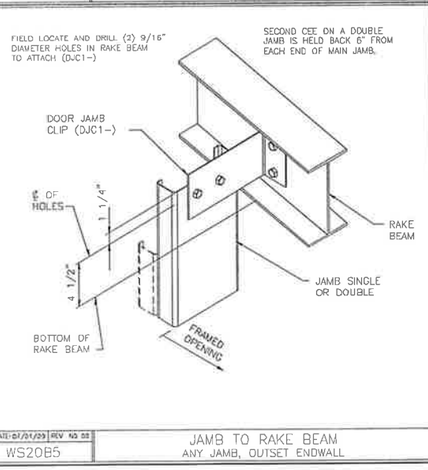
REV. DATE:01/01/09 | REV. NO.03 — WS01M3 — GIRT CONN. AT COLUMN OUTSET GIRTS (CONT. TO SIMPLE)



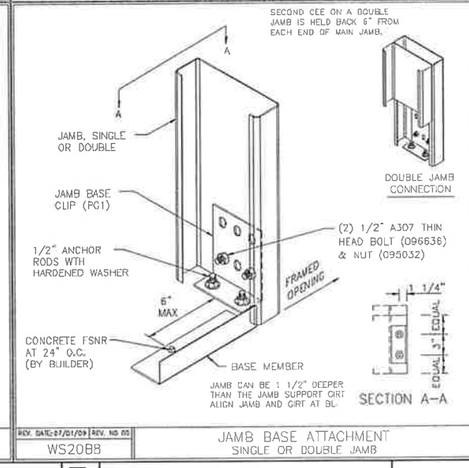
REV. DATE:04/05/17 | REV. NO.03 — WS12A2 — GIRT CONN. AT CORNER COLUMN ANY OUTSET GIRT AT EW, ANY GIRT AT SW



REV. DATE:02/15/24 | REV. NO.04 — WS20B2 — JAMB TO GIRT SINGLE OR DOUBLE JAMB, ANY ZEE GIRT



REV. DATE:07/01/09 | REV. NO.03 — WS20B5 — JAMB TO RAKE BEAM ANY JAMB, OUTSET ENDWALL



REV. DATE:07/01/09 | REV. NO.03 — WS20B8 — JAMB BASE ATTACHMENT SINGLE OR DOUBLE JAMB

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
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B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 SEDSheet 12:52:33

WALL SECONDARY SED'S (a)

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Sloffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS VARIED-PRUDEN

VPC Version 25.1.1

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Job #
Date 5/1/2025
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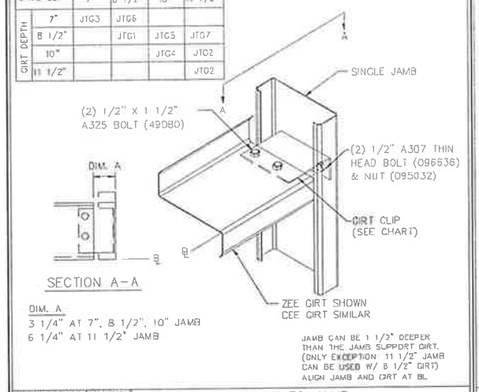
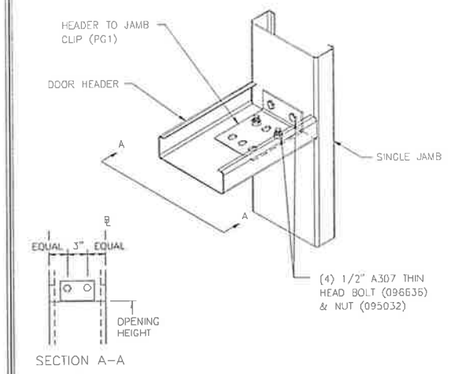
GIRT TO JAMB CLIP	JAMB DEPTH			
GIRT DEPTH	7"	8 1/2"	10"	11 1/2"
7"	JTG3	JTG6		
8 1/2"		JTG1	JTG5	JTG7
10"			JTG4	JTG2
11 1/2"				JTG2



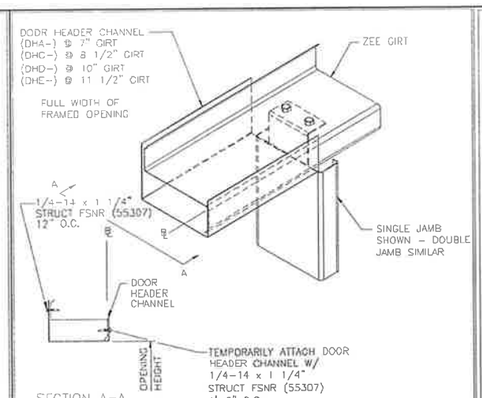
DIM. A
3 1/4" AT 7", 8 1/2", 10" JAMB
6 1/4" AT 11 1/2" JAMB

JAMB CAN BE 1 1/2" DEEPER THAN THE JAMB SUPPORT GIRT. (ONLY EXCEPTION 11 1/2" JAMB CAN BE USED W/ 8 1/2" GIRT) ALIGN JAMB AND GIRT AT BL.

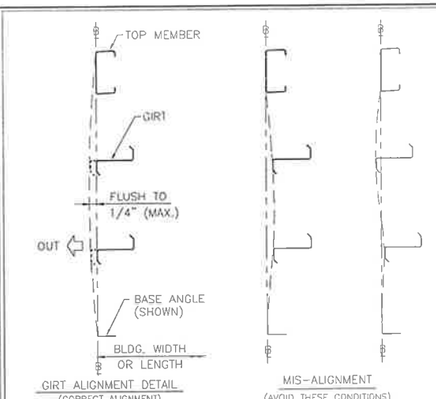
REV. DATE:07/27/15 | REV. NO.04 | WS20F2 | GIRT TO JAMB SINGLE JAMB



REV. DATE:07/27/09 | REV. NO.00 | WS20F9 | HEADER TO JAMB ANY HEADER, ANY SINGLE JAMB



REV. DATE:07/01/09 | REV. NO.03 | WS21D7 | DOOR HEADER CHANNEL CONN. ANY ZEE GIRT, ANY JAMB



(Z-GIRTS SHOWN, ALSO APPLICABLE FOR C-GIRTS)

REV. DATE:04/23/22 | REV. NO.00 | WSR065 | WALL SECONDARY FRAMING ALIGNMENT

1. Unless noted, use 1/2 x 1 1/2 A325T Bolt (49080) and Nut (47120) w/o washers. Snug tighten bolts for all secondary connections.
2. Flange Braces are an integral part of the stability of the structural system and must be properly installed prior to erection of wall and roof sheets.
3. Removal or alteration of any component is prohibited.

Rev	Date	By	Description

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS

5/1/2025 SEDSheet 12:52:34

WALL SECONDARY SED'S (b)

Builder	
Customer	
Location	Sugar Grove, Illinois
Project	Mike Stoffa
Builder's PO#	
Filename	Mike Stoff

VP BUILDINGS

VPC Version 25.1.1

a division of Blue Scope Buildings North America, Inc.

Job #	
Date	5/1/2025
Drawn/Check	
Page	

Covering Schedule

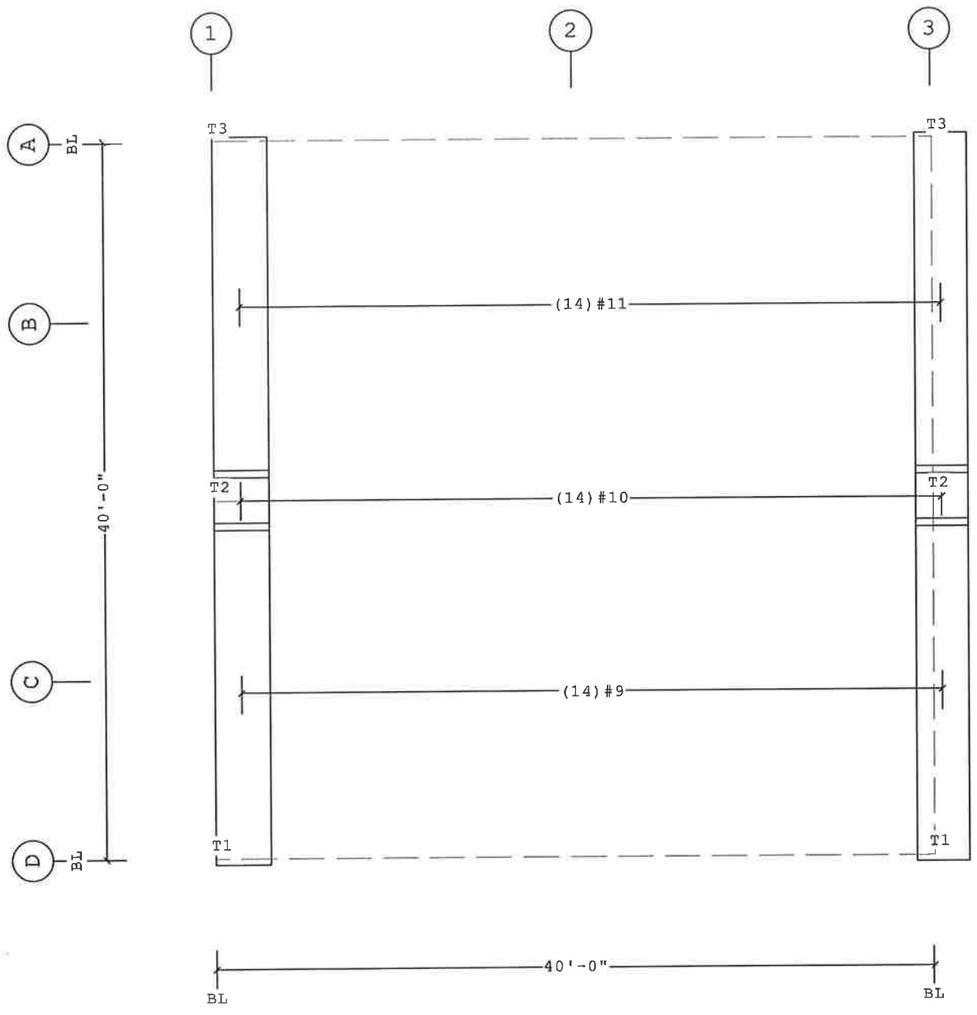
Id	Qty	Length	Type	Gage	OP	Fin.	Color	Direction
#9	14	19'-3 3/8"	PR	26	1	K	TD	Left to Right
#10	14	3'-4"	PR	26	3	K	TD	Left to Right
#11	14	19'-3 3/8"	PR	26	1	K	TD	Right to Left

Oper. Code:1=SQ,SQ
Oper. Code:3=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

Trim Schedule

Id	Parts
T1	BS1,FPRF1,GGC2,MCC1
T2	PRC,SPC20
T3	BS1,FPRF1,GGC2,MCC1

Color	Details
Cool Dark Bronze	RC38N1
Cool Dark Bronze	RC38C4
Cool Dark Bronze	RC38N1



ROOF COVERING PLAN

Roof Covering Notes
Ice Damming Conditions Exist

Fastener Schedule

Part	Description
Roof Struct 1 1/4	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
0097584-105	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 SS	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Shop

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners to structural beams
2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.
3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths.
4. See job details for covering and trim fastener specification.

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The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 12:52:37

ROOF COVERING PLAN

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDDEN

VPC Version 25.1.1

Job #
Date: 5/1/2025
Drawn/Check
Page

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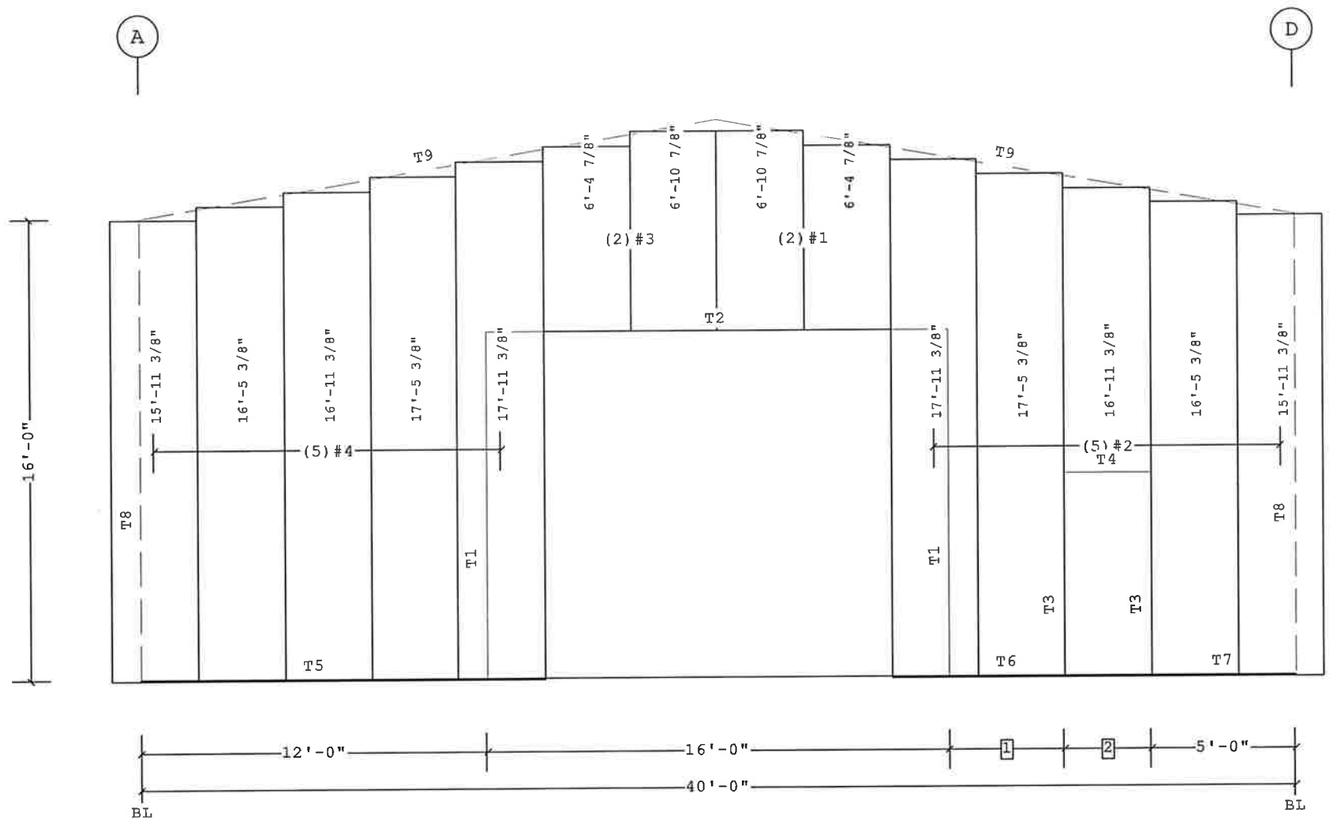
Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#1	2	PR	6'-10 7/8"	26	1	K	TD	-6"	Left to Right
#2	5	PR	17'-11 3/8"	26	1	K	TD	-6"	Left to Right
#3	2	PR	6'-10 7/8"	26	1	K	TD	-6"	Right to Left
#4	5	PR	17'-11 3/8"	26	1	K	TD	-6"	Right to Left

Oper. Code:1=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

Trim Schedule

Id	Parts	Color	Details
T1	DFT12,JT12	Cool Dark Bronze	WC24A1
T2	DFT12,DFT05,HTS14,HTS03	Cool Dark Bronze	WC24A2
T3	DFT10,JT07	Cool Dark Bronze	WC24A1
T4	DFT05,HTS03	Cool Dark Bronze	WC24A2
T5	(0.5)BA125,(2)BT10	Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB,WC04G1,WSR065
T6	(0.2)BA125,BT10	Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB,WC04G1,WSR065
T7	(0.2)BA125,BT10	Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB,WC04G1,WSR065
T8	CT16	Match Wall Color	WC20A1
T9	RKF16,RKF10	Cool Dark Bronze	RC30B1,RS10R1



2 3'-0"
1 4'-0"
Dimension Key

COVERING ELEVATION AT 1

Fastener Schedule

Part	Description
Roof Struct 1 1/4	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
0097584-105	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 S	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Shop, Wall = 1

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners to structural beams
2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.
3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths.
4. See job details for covering and trim fastener specification.

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Rev	Date	By	Description
B			

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS
5/1/2025 12:52:39

COVERING ELEVATION AT 1

Builder:
Customer:
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#:
Filename: Mike Stoff

VP BUILDINGS
VPC Version: 25.1.1
a division of Blue Scope Buildings North America, Inc.

Job #:
Date: 5/1/2025
Drawn/Check:
Page:

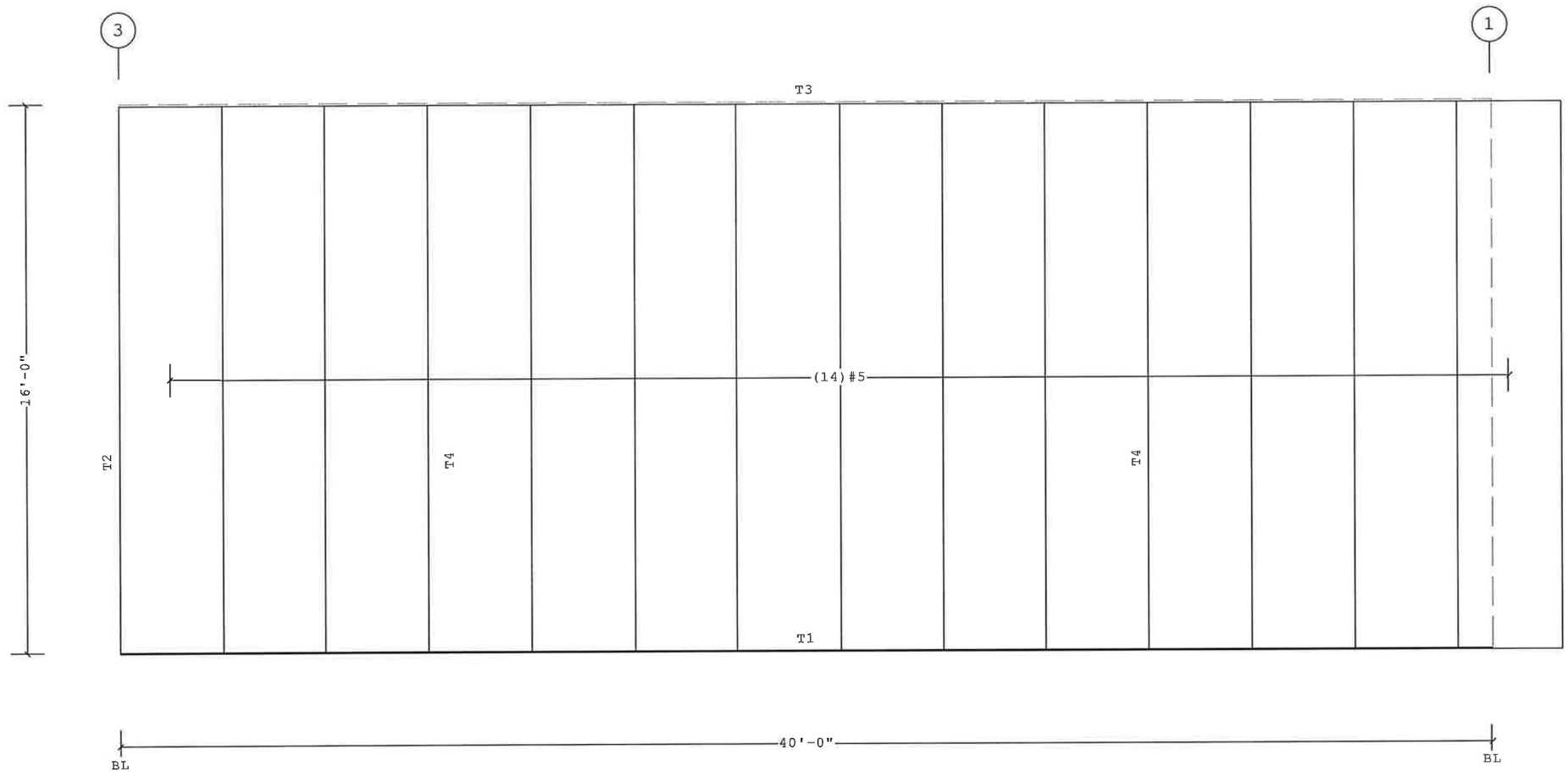
Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#5	14	PR	15'-11 3/4"	26	1	K	TD	Left to Right

Oper. Code:1=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

Trim Schedule

Id	Parts	Color	Details
T1	(1.6)BA125,(4)BT10	Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB, WC04G1,WSR065
T2	CT16	Match Wall Color	WC20A1
T3	(2)EG202,(4)GRA10,(4)PCA10A,(15)STR2	Cool Dark Bronze	RC03B1,RC04B2,RC32B1,RC39A3, RC61B6,RCV324,WC04G1,WC11F1
T4	5CE75,(2)CP510,DN1,(4)DST1	Match Wall Color	RC38P1



COVERING ELEVATION AT A

Fastener Schedule

Part	Description
Roof Struct 1 1/4	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 SS	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Shop, Wall = 2

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners to structural beams
2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.
3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths.
4. See job details for covering and trim fastener specification.

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B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS
5/1/2025 12:52:40

COVERING ELEVATION AT A

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDEN
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

Job #
Date: 5/1/2025
Drawn/Check
Page

Covering Schedule

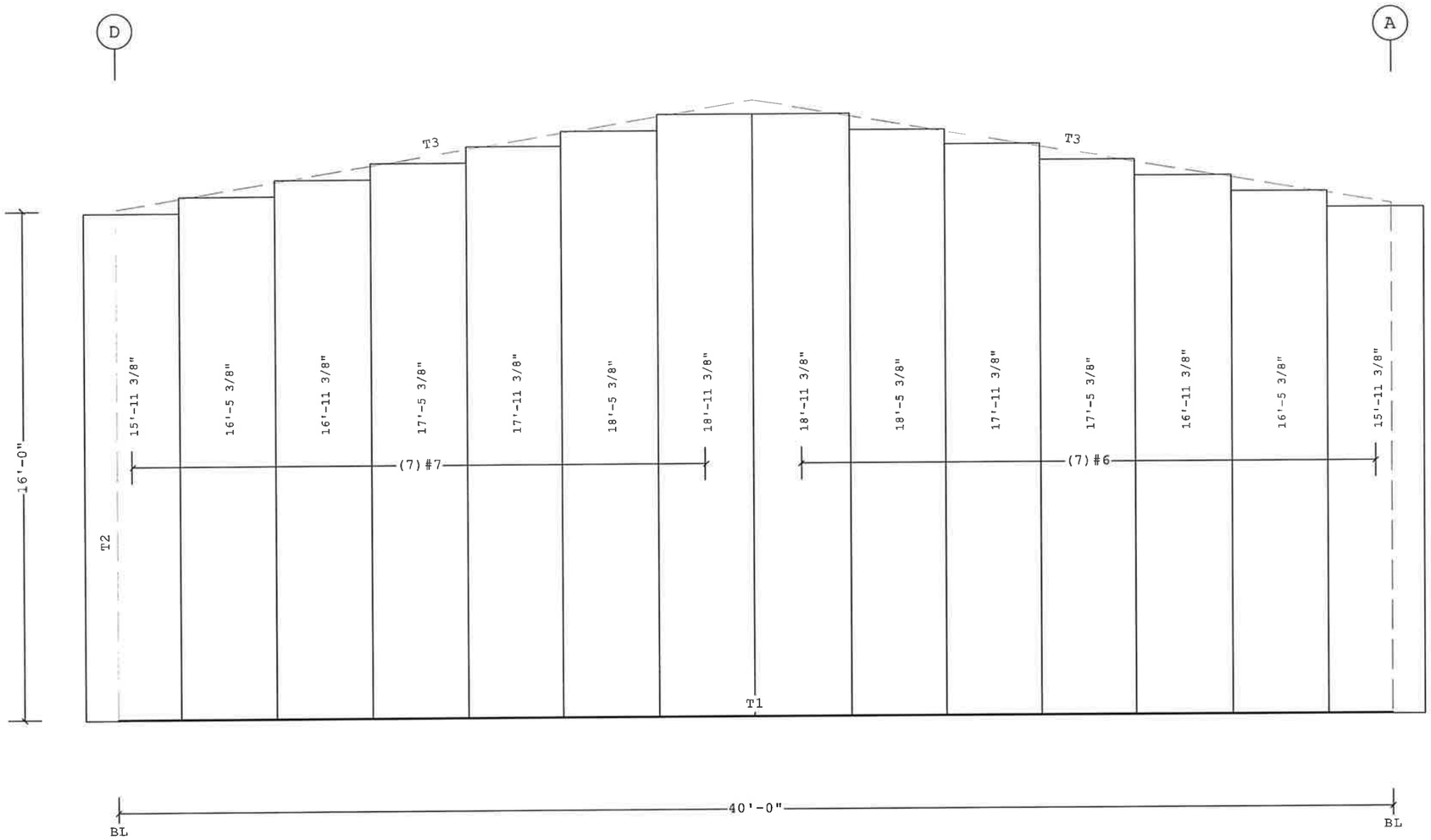
Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Increment	Direction
#6	7	PR	18'-11 3/8"	26	1	K	TD	-6"	Left to Right
#7	7	PR	18'-11 3/8"	26	1	K	TD	-6"	Right to Left

Oper. Code:1=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

Trim Schedule

Id	Parts
T1	(1.6)BA125,(4)BT10
T2	CT16
T3	RKF16,RKF10

Color	Details
Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB, WC04G1,WSR065
Match Wall Color	WC20A1
Cool Dark Bronze	RC30B1,RS10R1



COVERING ELEVATION AT 3

Fastener Schedule

Part	Description
Roof Struct 1 1/4	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
0097584-105	(T-2) #12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 SS	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Shop, Wall = 3

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners to structural beams
2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.
3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths.
4. See job details for covering and trim fastener specification.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS
5/1/2025 12:52:41

COVERING ELEVATION AT 3

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Sloffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS
VARCO PRUDEN

VPC Version 25.1.1

Job #
Date: 5/1/2025
Drawn/Check
Page

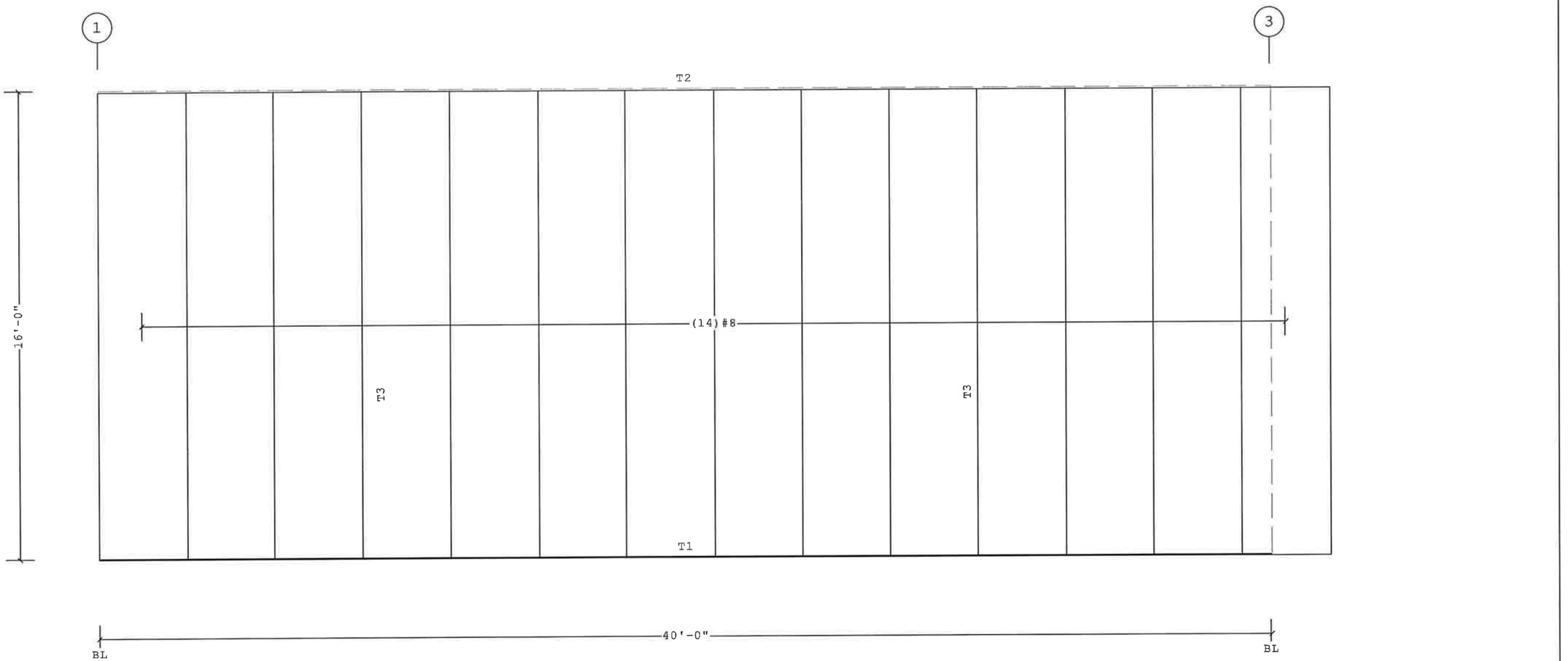
Covering Schedule

Id	Qty	Type	Start Length	Gage	OP	Fin.	Color	Direction
#8	14	PR	15'-11 3/4"	26	1	K	TD	Left to Right

Oper. Code:1=SQ,SQ
Finish:K=KXL (Kynar)
Color:TD=Standard Color

Trim Schedule

Id	Parts	Color	Details
T1	(1.6)BA125,(4)BT10	Cool Dark Bronze	EN52A1,ENV003,RC00A1,WC01AB, WC04G1,WSR065
T2	(2)EG202,(4)GRA10,(4)PCA10A,(15)STR2	Cool Dark Bronze	RC03B1,RC04B2,RC32B1,RC39A3, RC61B6,RCV324,WC04G1,WC11F1
T3	5CE75,(2)CP510,DN1,(4)DST1	Match Wall Color	RC38P1



COVERING ELEVATION AT D

Fastener Schedule

Part	Description
Roof Struct 1 1/4 (T-2)	#12-14 x 1 1/4", 5/16" Hex Hd, SS Cap w/Washer
Roof Stitch 7/8 SS	(T-1) 1/4-14 x 7/8", 5/16" Hex Hd, SS Cap w/Washer

Shape Name = Shop, Wall = 4

1. Pre-drilling 1/8 diameter holes for structural fasteners may be required for heavy gage nested zee's and/or fasteners to structural beams
2. Steel panels are an integral part of the structural system. removal or alteration without prior authorization is prohibited.
3. Due to manufacturing limitations short panels may require field cutting, see the covering schedule for cut lengths.
4. See job details for covering and trim fastener specification.

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Rev	Date	By	Description
B			

VP Buildings
3200 Players Club Circle Memphis TN 38125

NTS
5/1/2025 12:52:42

COVERING ELEVATION AT D

Builder:
Customer:
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#:
Filename: Mike Stoff

VP BUILDINGS
VPC Version 25.1.1
a division of BlueScope Buildings North America, Inc.

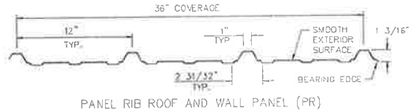
Job #:
Date: 5/1/2025
Drawn/Check:
Page:

PR WALL PANEL MARK NO.: W F F I I E G G O C C C
LENGTH CODE

PR ROOF PANEL MARK NO.: R F F I I E G G O C C C
LENGTH CODE

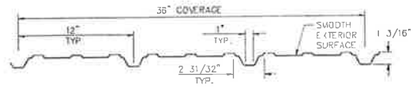
PR RIDGE PANEL MARK NO.: P F F I I E G G O C C C
LENGTH CODE

F = FEET
I = INCHES
E = EIGHTHS
G = GAGE
O = OPERATION
C = FIN/COLOR



PANEL RIB ROOF AND WALL PANEL (PR)

RPR WALL PANEL MARK NO.: R R F F I I E G G O C C C
LENGTH CODE



RPR WALL PANEL

REV. DATE: 11/17/17 | REV. NO. 01
EN52A1
PR ROOF & PR/RPR WALL PANELS

PANEL ERECTION GUIDE REQUIRED FOR THIS PROJECT:

REFER TO:

VARCO PRUDEN BUILDINGS

BASIC PANELS & ACCESSORIES

The field guide for correct installation of Varco Pruden's Wall and Roof Systems, Tuff-Lites, Wallites, Doors, Windows, Gutters and Trim.

BACK COVER: 4003 BASIC PANELS AND ACCESSORIES

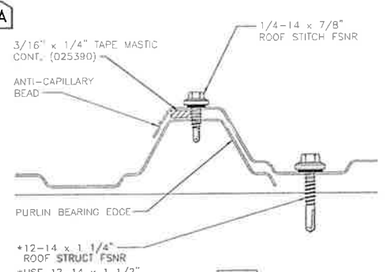
REV. DATE: 01/30/24 | REV. NO. 00
ENV003
BASIC PANEL AND ACCESSORIES
CONTAINS: PR ROOF – WALLS: PR, RPR, VR

1. STANDARD ERECTION DETAILS (SED) SUPERSEDE SIMILAR DETAILS FOUND IN THE ERECTION GUIDES. REFER TO THE ERECTION GUIDES FOR OTHER DETAILS, INSTALLATION PROCEDURES AND ACCESSORIES NOT DESCRIBED IN THE SED'S.

2. ALL PANEL AND TRIM SURFACES MUST BE FREE OF DIRT AND OIL AT MASTIC AND SEALANT LOCATIONS.

REV. DATE: 07/01/09 | REV. NO. 05
RC00A1
NOTES

FLA

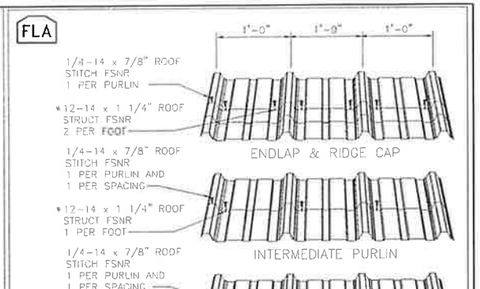


SEE RC04B1 FOR STD FASTENER PATTERN
SEE RC04B3 FOR UL90 FASTENER PATTERN
SEE RC04B2 FOR ICE DAMMING FASTENER PATTERN
SEE RC04B4 FOR UL90/ICE DAMMING FASTENER PATTERN

DETAILS QUALIFY FOR AIR INFILTRATION/WATER PENETRATION RATED ASSEMBLIES.

REV. DATE: 08/28/18 | REV. NO. 05
RC03B1
PANEL RIB ROOF–STANDARD
PANEL SIDELAP

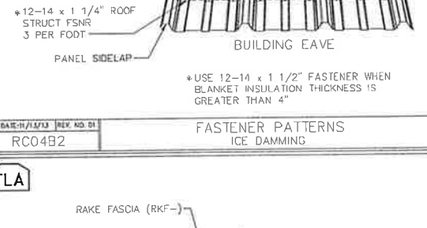
FLA



*USE 12-14 x 1 1/2" FASTENER WHEN BLANKET INSULATION THICKNESS IS GREATER THAN 4"

REV. DATE: 09/13/23 | REV. NO. 02
RC04B1
PANEL RIB ROOF FSNR PATTERNS
STANDARD

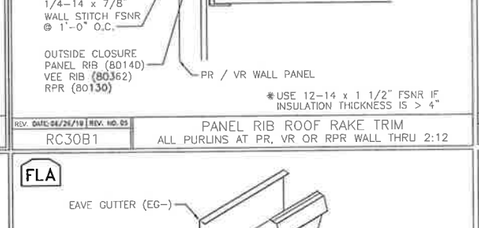
FLA



*USE 12-14 x 1 1/2" FASTENER WHEN BLANKET INSULATION THICKNESS IS GREATER THAN 4"

REV. DATE: 11/13/13 | REV. NO. 01
RC04B2
FASTENER PATTERNS
ICE DAMMING

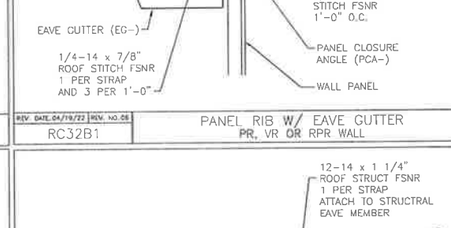
FLA



*USE 12-14 x 1 1/2" FSNR IF INSULATION THICKNESS IS > 4"

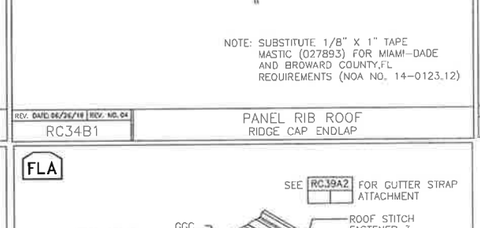
REV. DATE: 06/26/19 | REV. NO. 05
RC30B1
PANEL RIB ROOF RAKE TRIM
ALL PURLINS AT PR, VR OR RPR WALL THRU 2:12

FLA



REV. DATE: 04/19/22 | REV. NO. 06
RC32B1
PANEL RIB W/ EAVE GUTTER
PR, VR OR RPR WALL

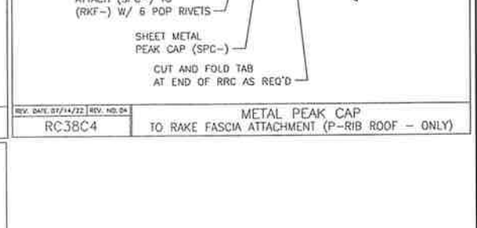
FLA



NOTE: SUBSTITUTE 1/8" X 1" TAPE MASTIC (027893) FOR MIAMI-DADE AND BROWARD COUNTY,FL REQUIREMENTS (NOA NO. 14-0123.12)

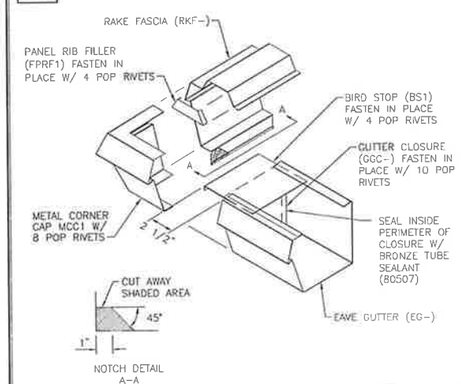
REV. DATE: 06/26/18 | REV. NO. 04
RC34B1
PANEL RIB ROOF
RIDGE CAP ENDLAP

FLA



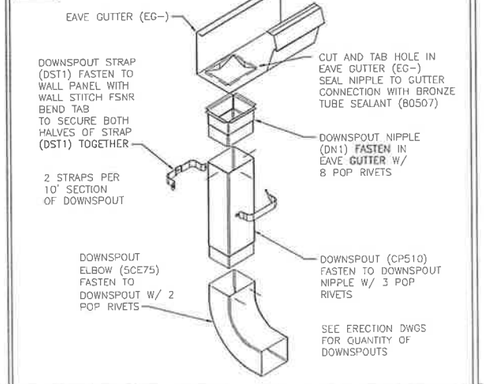
REV. DATE: 07/14/22 | REV. NO. 04
RC38C4
METAL PEAK CAP
TO RAKE FASCIA ATTACHMENT (P-RIB ROOF – ONLY)

FLA

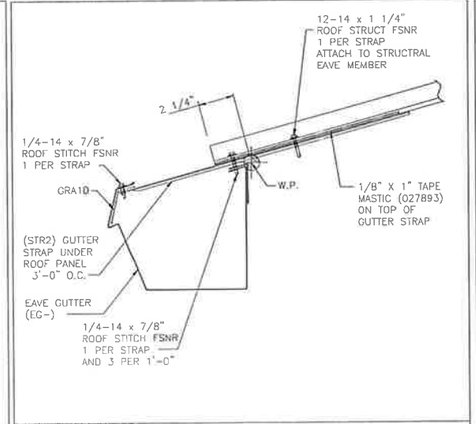


REV. DATE: 06/26/19 | REV. NO. 04
RC38N1
EAVE GUTTER CORNER ASSEMBLY
ALL SYSTEMS

FLA

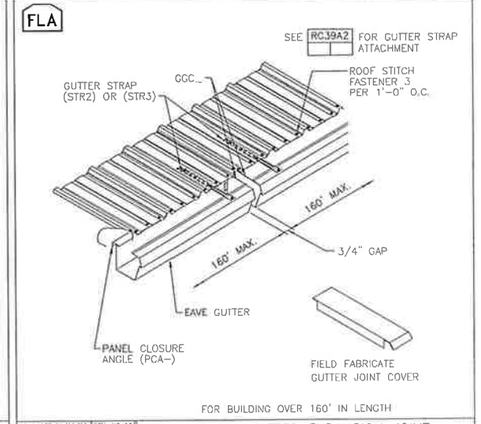


REV. DATE: 06/26/19 | REV. NO. 04
RC38P1
DOWNSPOUT ASSEMBLY
ALL SYSTEMS



REV. DATE: 03/27/24 | REV. NO. 00
RC39A3
PANEL RIB GUTTER
STRAP ATTACHMENT (WITH ICE DAMMING)

FLA



FOR BUILDING OVER 160' IN LENGTH

REV. DATE: 04/19/22 | REV. NO. 03
RC61B6
PR EAVE GUTTER EXPANSION JOINT
FOR BUILDING OVER 160' IN LENGTH

The VP Engineer's seal applies only to the work product of VP and design and performance requirements specified by VP. The VP Engineer's seal does not apply to the performance or design of any other product or component furnished by VP except to any design or performance requirements specified by VP.

The general contractor and/or erector is solely responsible for accurate good quality workmanship in erecting this building in accordance with this drawing, details referenced in this drawing, all applicable VP Buildings erection guides, and industry standards pertaining to proper erection, including the correct use of temporary bracing.

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS

5/1/2025 SEDSheet 12:52:46

COVERING & TRIM SED'S (a)

Builder
Customer
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#
Filename: Mike Stoff

VP BUILDINGS VARCO PRUDEN

VPC Version 25.1.1

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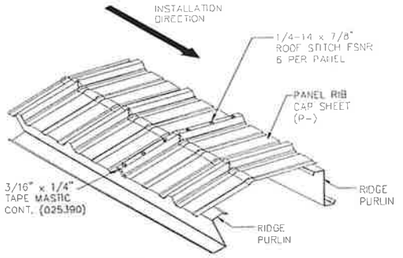
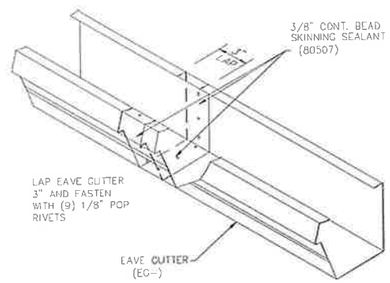
Job #
Date: 5/1/2025
Drawn/Check
Page



ROOF PANELS INTENTIONALLY NOT SHOWN

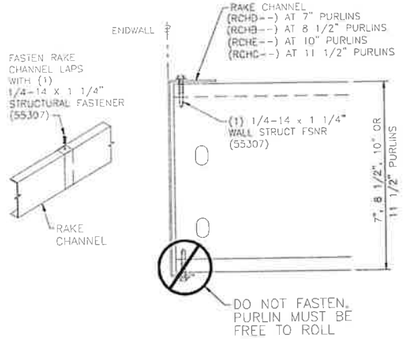
REV. DATE:06/25/14 | REV. NO. 05

RCV307 — PANEL RIB ROOF
RIDGE CAP SIDELAP (1/2:12 THRU 2:12)



REV. DATE:01/03/15 | REV. NO. 00

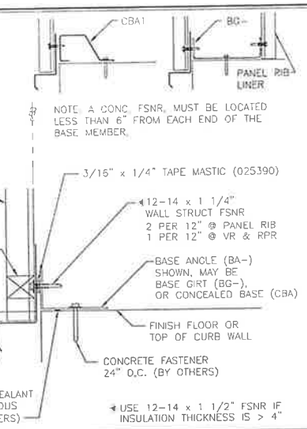
RCV324 — TRIM SPLICES
EAVE GUTTER SPLICE



REV. DATE:08/17/23 | REV. NO. 01

RS10R1 — PR ROOF RAKE CHANNEL TO PURLIN
ALL PURLIN DEPTHS (ALL WALL PANEL)

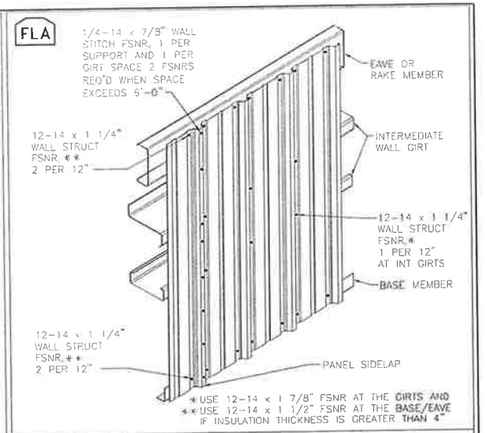
FLA



REV. DATE:09/26/19 | REV. NO. 04

WC01AB — BASE OF WALL ATTACHMENT
PR, VR OR RPR W/ BASE TRIM

FLA

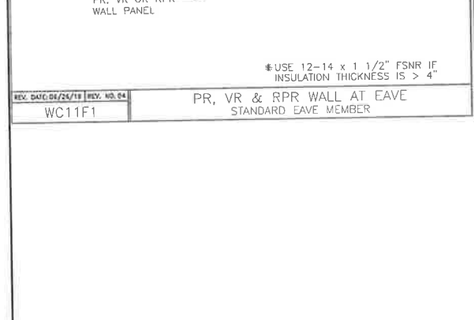


* USE 12-14 x 1 7/8" FSNR AT THE GIRTS AND
** USE 12-14 x 1 1/2" FSNR AT THE BASE/EAVE IF INSULATION THICKNESS IS GREATER THAN 4"

REV. DATE:08/28/19 | REV. NO. 04

WC04G1 — PANEL RIB WALL
FASTENER PATTERNS

FLA

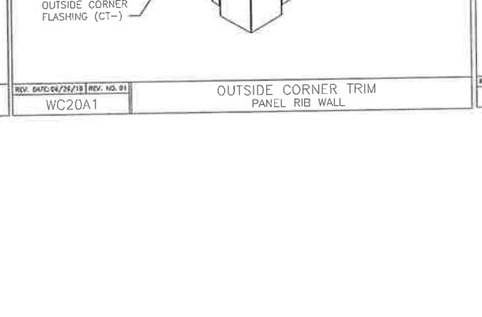


* USE 12-14 x 1 1/2" FSNR IF INSULATION THICKNESS IS > 4"

REV. DATE:08/28/19 | REV. NO. 04

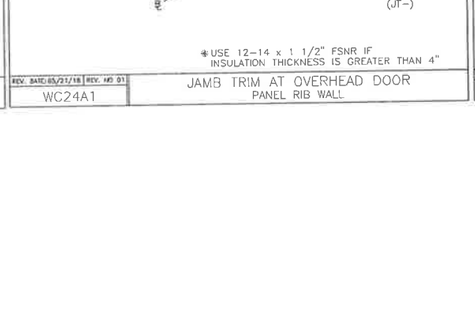
WC11F1 — PR, VR & RPR WALL AT EAVE
STANDARD EAVE MEMBER

FLA



REV. DATE:04/26/18 | REV. NO. 01

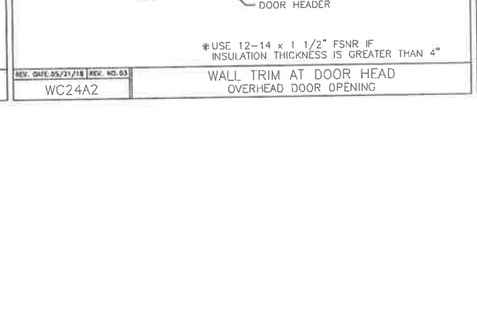
WC20A1 — OUTSIDE CORNER TRIM
PANEL RIB WALL



* USE 12-14 x 1 1/2" FSNR IF INSULATION THICKNESS IS GREATER THAN 4"

REV. DATE:05/21/18 | REV. NO. 01

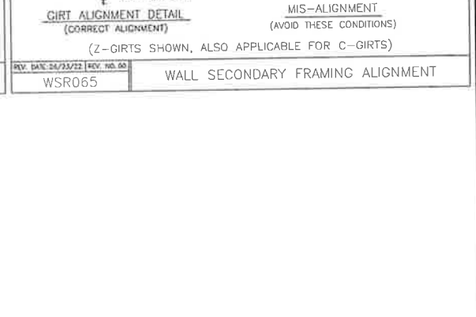
WC24A1 — JAMB TRIM AT OVERHEAD DOOR
PANEL RIB WALL



* USE 12-14 x 1 1/2" FSNR IF INSULATION THICKNESS IS GREATER THAN 4"

REV. DATE:05/31/18 | REV. NO. 03

WC24A2 — WALL TRIM AT DOOR HEAD
OVERHEAD DOOR OPENING



(Z-GIRTS SHOWN, ALSO APPLICABLE FOR C-GIRTS)

REV. DATE:04/22/22 | REV. NO. 00

WSR065 — WALL SECONDARY FRAMING ALIGNMENT

B

VP Buildings
3200 Players Club Circle Memphis TN 38125

Rev	Date	By	Description

NTS
5/1/2025 SEDSheet 12:52:48

COVERING & TRIM SED'S (b)

Builder:
Customer:
Location: Sugar Grove, Illinois
Project: Mike Stoffa
Builder's PO#:
Filename: Mike Stoff

VP BUILDINGS
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Date: 5/1/2025
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