WTA ARCHITECTS

100 S. Jefferson Ave, Suite 601
Saginaw, Michigan, 48607
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ADDENDUM NO. 2

BELLE ISLE STATE PARK
NEW STORAGE BUILDING
11 PLEASURE DRIVE
DETROIT, MICHIGAN

FILE NO: 751/19193.SMD
WTA Project No. 2019131
DATE: November 3, 2026

The following clarifications, modifications and/or revisions to the above project shall be considered a part of the original drawings and specifications.

It shall be the responsibility of the contractor to notify their subcontractors and/or suppliers of the clarifications, modifications, and/or revisions included herein.

GENERAL

Item G1: Refer to attached RFI response form.

Item G2: Clarification: Contractors arriving late at the mandatory pre-bid meeting are disqualified from consideration.

Item G3: Refer to Bid Summary (attached)
- A. Revised Bid Opening Date.
- B. Added Bid Allowances.

Item G4: Refer to Bid Schedule (attached)
- A. Revised Bid Schedule descriptions.
- B. Added Bid Allowances.
- C. Added Unit Cost.

Item G5: Refer to Non-Collusion Affadavit (attached)
- A. Added to project requirements.

Item G6: Refer to Asbestos Abatement Attestation (attached)
- A. Added to project requirements.

Item G7: Refer to Specification 01 21 00 Allowances (attached)
- A. Added Bid Allowances.

Item G8: Refer to Specification 01 22 00 Unit Prices (attached)
- A. Added Unit Prices.

Item G9: Refer to Specification Section 01 45 16.01 Concrete Testing (Not Reissued)

CIVIL

Item C1: Refer to Sheet C5 (Attached)
- A. TP/TM info was added plus second BM and TP points

Item C2: Refer to Sheet C7 (Attached)
- A. TP/TM info was added plus second BM and TP points
- B. Grading table was shifted
- C. Compactor slab elevation was adjusted.
- D. Adjusted 2 slabs that were under 2% for a LL to be completely flat.

ARCHITECTURAL

Item A1: Refer to Sheet TS (Attached)
- A. Added Unit Price for contaminated soil.

Item A2: Refer to Sheet A1.01 (Attached)
- A. Revised project work limits.
- B. Revised fuel dispensing system scope of work notes.
- C. Revised trash compactor scope of work notes.
- D. Added location for Trash Compactor power supply.

Item A3: Refer to Sheet A2.21 (Attached)
- A. Revised foundation design intent notes.

Item A4: Refer to Sheet A5.11 (Attached)
- A. Revised keynote 17.

Item A5: Refer to Sheet A5.21 (Attached)
- A. Revised keynote 17.

Item A6: Refer to Sheet A6.21 (Attached)
- A. Added rain diverter detail 7/A6.21.
- B. Revised roof plan for ice and water shield locations.
- C. Revised notes on details 4/A6.21, 5/A6.21, 6/A6.21, 7A6.21,

Item A7: Refer to Specification 07 31 13 Asphalt Shingles (Attached)
- A. Added rain diverter specification.

STRUCTURAL

Item S1: Refer to Sheet S3.01 (Not Reissued)

A. Footing Schedule revised as follows:
   a. F5 footing width = 5'-0"
   b. F6 footing width = 7'-0"

END OF ADDENDUM NO. 2

WTA ARCHITECTS

Randy G. Sova II, Assoc. AIA
Project Manager

Cc: WTA Architects
Department of Natural Resources (DNR)
Department of Technology, Management & Budget (DTMB)

REQUEST FOR INFORMATION

WTA Architects
100 South Jefferson Avenue, Suite 601
Saginaw, Michigan 48607
E-mail: design@wtaarch.com
Telephone: (989)752-8107

Project: Belle Isle State Park
New Storage Building

Project No: 2019131

To: All Bidders

Date: 11/2/2026

Prepared By: Randy G. Sova II

1. The bid documents state that the project contract time is 60 calendar days and that the first day of these 60 calendar days is when the Notice to Proceed (NTP) is rendered by the Owner to the contractor. The project bid date is on 04 November 2026. Is it the intention of the Owner to process the NTP on a date such that the Contract Time as noted in the Bid Summary document – specifically 27 August 2027 - can be accomplished without any requirement for Liquidated Damages?

RESPONSE:

The owner's intent is to issue a notice to proceed in the spring of 2027.

2. The contract documents indicate on drawing A1.01 and in the specifications, that the cost for the Trash Compactor Scope of Work is the responsibility of the successful contractor. This seems to include the unknown cost of the services of Reaction Distributing of Ajax, Ontario. We request that a designated allowance be established for the services of the Owner's delegated contractor Reaction Distributing to ensure that all contractors are provided the same cost quotation for the work of Reaction Distributing.

RESPONSE:

Trash compactor relocation costs will be by Owner's separate contractor under designated allowance. Refer to Addendum 2.

3. The contract documents indicate on drawing A1.01 and in the specifications that the cost for the Fuel Dispensing System be borne by the successful contractor. Please provide technical specifications for the required new double walled tank, the AST pumps, Clock Gage Alarms and other appurtenances for a complete fuel dispensing system. Additionally, clarify the scope of work regarding the dis-assembly of any pump or device connections to the existing fuel storage tanks to be relocated and a confirmation that the owner (MDNR) is responsible to remove 100% of the fuel in the existing tanks prior to being relocated.

RESPONSE:

Fuel dispensing systems will be by Owner's separate contractor under designated allowance. Refer to Addendum 2.

4. The specifications include verbiage about asbestos and related abatement. We have not found any environmental investigation information in the specifications nor in the drawings. Please advise if an environmental investigation was performed by the Owner or the PSC and where such document can be obtained.

RESPONSE:

Owner does not anticipate any asbestos abatement to be required for project.

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Project No: 2019131

To: All Bidders

Date: 11/2/2026

Prepared By: Randy G. Sova II

5. The project drawings and specifications are unclear whether there are any environmental concerns with volatile organics in the vicinity of the existing fuel storage tanks. If there is suspicion of any environmental contamination that would require removal of the contaminated soil an environmental allowance should be established for all contractors to apply to their bid.

RESPONSE:

Owner is not aware of any environmental concerns at this time. Contractor shall provide a unit price for disposal of contaminated soils if discovered during work. Refer to Addendum 2.

6. Please provide more information on the Rain Guard Diverter System designated at item 31 in the Materials Keynote on drawing A5.21 on the New Storage Building Project for the MDNR on Belle Isle. It would be helpful to understand the design specifics: length, cross-section, gauge, preferred location and fastening mechanism for these 4 items.

RESPONSE:

Refer to Addendum 2 for revised spec Section 073113 - Asphalt Shingles.

7. Please provide a corrected Grading Table for points 131 through 159 for the New Storage Building on Belle Isle. The last several digits are not readable as they are presented on drawing 7 of 8. See the attached image.

RESPONSE:

Refer to Addendum 2.

8. Please provide the elevation and point description for BM 10 shown on drawings 5 of 8 and 7 of 8.

RESPONSE:

Refer to Addendum 2.

9. Who is responsible for the permit fee?

RESPONSE:

Permit fees will be paid by Contractor via permit allowance. Refer to Addendum 2

10. Who is responsible for testing?

RESPONSE:

Required testing and inspections will be paid via the testing allowance. Refer to Addendum 2.

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Project No: 2019131
To: All Bidders
Date: 11/2/2026
Prepared By: Randy G. Sova II

11. Who is the fuel provider that DNR uses?

RESPONSE:
See response #3.

12. Does the geotechnical report from 2022 coincide with what exists currently regarding water levels?

RESPONSE:
It is unknown if the 2022 report conicides with current water levels.

13. Should the existing trash compactor disconnect be removed back to panel?

RESPONSE:
Yes.

14. Can you confirm a contact with Crystal Flash to discuss options for relocation and replacement of the existing tanks? If this coordination is to be handled by you and the Owner, please provide any costs that should be carried in the proposal we submit

RESPONSE:
See response #3.

15. Can you confirm a contact with Reaction Distribution Inc to obtain the costs to be carried for the compactor relocation?

RESPONSE:
See response #2.

16. It was mentioned that the building permit allowance was to be provided by the Owner to be carried in the proposal. Please provide when available

RESPONSE:
See response #9.

17. Fuel tanks. Please provide the size and capacity of the existing tanks and the new double wall tank. Please also confirm who is responsible for emptying the existing tanks, disposing of the product and the existing single wall tank, and obtaining the LARA Storage Tank Division plan review and inspections.

RESPONSE:
See response #3.

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18. Appendix II references USACE permit sections and a boating access site, and neither appears in the bid documents. Please confirm these requirements do not apply to this project.

RESPONSE:
These do not apply to this project.

19. Sheet C7 notes hazardous flammable material underground near the existing tanks. Please identify the material and its location, and confirm whether any removal or remediation is part of this contract.

RESPONSE:
Note is in reference to an existing buried natural gas line.

20. Testing. The "Paid by Owner" list in Section 01400 is blank. Please confirm whether the Owner or the Contractor pays for concrete testing and soil density testing.

RESPONSE:
See response #10.

21. Is the current unit being utilized on site requiring the 240V service?
The T400 unit is advertised for only required 208V, which would eliminate the need for a transformer.

RESPONSE:
The existing trash compactor runs on 240V 3ph and is only operable at 240V.

22. Contract duration: Which controls—60 calendar days from Notice to Proceed or August 30, 2027, substantial completion?

RESPONSE:
Owner wishes to complete the project as soon as possible, with August 30, 2027 the latest acceptable date for substantial completion.

23. Foundation design: Has the structural engineer accepted the shallow footing/pier design with the 2022 geotechnical recommendations? What bearing conditions and fill replacement quantities are assumed?

RESPONSE:
The design intent is based on a shallow footing/pier design as recommended in the geotechnical report. Refer to Sheet A2.21 for design assumptions.

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24. Soils and groundwater: How should unforeseen unsuitable soils, contaminated materials and groundwater dewatering be handled and paid?

RESPONSE:

Contractor shall include in Base Bid amount costs for removal and disposal of unsuitable soils and dewatering as required to achieve design intent. If contaminated materials are encountered the costs for removal and disposal will be handled via change order in accordance with unit cost procedures. Refer to Addendum 2 for additional unit cost for contaminated soils.

25. Unit prices: Confirm how excavation, engineered fill, coarse stone and fencing unit prices will adjust the contract, including documentation and measurement procedures.

RESPONSE:

Base Bid amount should include sufficient quantity of excavation work and engineered fill to achieve the design intent. Contract amount will be adjusted based on actual quantities installed in accordance with allowance and unit cost procedures.

26. Fuel tanks: Provide existing tank sizes, fuel types, as-built details, testing records, tank registration information and any design/permitting already completed. Also, who will be responsible for temporary tanks.

RESPONSE:

See response #3.

27. Permits: Identify approvals already secured by DTMB, those pending and those the GC must obtain, particularly any applicable environmental or waterfront-related approvals.

RESPONSE:

No project approvals have been obtained at this time. Application for plan review requirements will be submitted by the Owner and/or Architect. The Contractor shall be responsible for obtaining all permits and paying any necessary fees.

28. Utilities: Confirm electrical service availability, utility company responsibilities, planned shutdowns and what the $25,000 utility allowance is intended to cover.

RESPONSE:

Final utility company requirements will be confirmed with DTE after bid award. Specified utility allowance is for any costs from utility for new service to building. Shutdowns should be coordinated with Owner and Architect per project requirements.

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29. Access and staging: Confirm acceptable laydown and equipment-storage areas, disposal/spoils locations, traffic-control requirements and work-hour restrictions.

RESPONSE:

Refer to Drawing A1.01 for Project Work Limits for areas available for staging and laydown. All spoils shall be properly disposed of offsite. Refer to Specification project working restrictions and requirements.

30. Precast blocks: Confirm the V-wedge block configuration, specified supplier or accepted equivalents and whether any engineered retaining arrangement is required.

RESPONSE:

Block configuration as shown on drawings. Refer to spec Section 012500 Substitution Procedures for supplier information.

31. Please confirm that the statement below in the specs is correct (SECTION 01 45 16.01 – PAGE 2. "Blended cement meeting the requirements of ASTM C595 Type IL is permitted". We recently completed a DTMB project on Belle Isle and DTMB STRONGLY requested that this product NOT be used on the project due to numerous DTMB projects with concrete failures and required re-work.

RESPONSE:

ASTM C595 Type IL blended cement is prohibited.

32. Several foundation contractors have expressed concern over the foundation design. The exterior grade beam is 1.0' wide x 1.5' deep. The grade beam reinforcing steel is required to run through the piers for column foundations. This is problematic in that the grade beam may move with frost whereas the column foundations may not heave with frost action. See detail 1/S2.01 for grade beam note.

RESPONSE:

Provide void forms of 2" depth at bottom face of concrete grade beams to mitigate potential damage to grade beam from frost heave at building perimeter.

33. Note 9 on drawing S3.01 states that "casings will be required for all drilled piers". Verify that the casings are to be removed once the concrete is in place in the foundation.

RESPONSE:

Casing removal is at the Contractor's discretion as it is not a critical part of the structural design.

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34. The Foundations Intent note on drawing A2.21 states 'Excavate all footings and foundations to a depth of 9'6" below grade'. Please clarify if this includes the interior foundation system as well as the frost slab foundations.

RESPONSE:

Yes.

35. Please confirm the elevation for TP 139 at the compactor slab. The elevation for TP 138 just 26 feet away on the same slab is 3.13 lower.

RESPONSE:

Refer to Addendum 2.

36. We have tried to contact Reaction Distributing several times but have not received any response regarding the Trash Compactor Scope of Work (SOW) and related costs. We request that an allowance be designated for this work.

RESPONSE:

See response #2.

37. Please provide the location of the power source and the distance to the existing Trash Compactor disconnect.

RESPONSE:

Refer to Addendum 2.

38. Please confirm that all aggregate testing, concrete testing and soil testing is the responsibility of the contractor. It is our understanding that the frequency of testing and other QA/QC metrics will be points of discussion during contractor interviews to ensure adequate consideration have been given to these matters by the bidders.

RESPONSE:

See response #10.

39. During the pre-bid meeting, it was mentioned in passing that Pleasure Drive is going to be paved. Please confirm that is part of another project or identify which drawing indicates this scope of work.

RESPONSE:

Work does not include any paving work for Pleasure Drive

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40. We learned from one of our subcontractors that the existing fuel tanks that are to be relocated are owned by a Petroleum distribution company and that due to liability issues, only they can move the tanks. Please advise if an allowance will be provided for this work or if the MDNR will contract this outside of this contract.

RESPONSE:

See response #3.

41. During the pre-bid meeting it was discuss that the number of contract days may be expanded to 120 days from the 60 day amount in the contract documents and that the tentative start date is mid-to-late March. Please confirm.

RESPONSE:

See response #22.

42. Please confirm that there will be an allowance for the removal of any contaminated material from either site location.

RESPONSE:

Owner is not aware of any environmental concerns at this time. Contractor shall provide a unit price for disposal of contaminated soils if discovered during work. Refer to Addendum 2.

43. Is there a location on the island where spoil material can be disposed or is it the intent of the Owner that all excess excavated material be removed from the site. It is our understanding that there are very, very few disposal sites within close proximity to the project site.

RESPONSE:

All spoils shall be removed from site and properly disposed.

44. Please advise how the terminology LL = Level Landing applies to the two 8's x 20' concrete slabs with variable elevations on the corners. See drawing 7 of 8.

RESPONSE:

Refer to Addendum 2.

45. Another item that was discussed at the pre-bid meeting for the New Storage Building by Scott the DTMB PM. He suggested that there will be established an allowance for the permit fees. My notes indicate he mentioned that a sum of $1,000 or $2,000 would be established.

RESPONSE:

Refer to Addendum 2.

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46. For the submission, the pages for Performance Bond and Payment Bond are listed in the sheets for the upload, but the specifications list them as submitted once awarded. Can you confirm if for the upload next Wednesday these two sheets can be left blank?

RESPONSE:

Submit after notice of award per bid instructions.

47. For the Bid Bond itself, the specifications list a 5% requirement, and the Bid Bond Sheet references a signed bond statement, however there is not a page included for the base bid bond to be filled out by the surety agency. Can you confirm that the single page listed in the bid form package as "BID BOND" does not require any supplemental documents at time of submission? Or if it does, can you please provide that document for our surety agency to sign?

RESPONSE:

Bid Guarantee can be in the form of a certified check or a bid bond from an authorized surety company in accordance with bid instructions.

48. The Footing Schedule does not list width details for foundation marks F5 or F6. Additionally, the depth to bottom of footing is not listed --- unless the intent is to excavate down to 9' 6". Please advise.

RESPONSE:

Refer to Addendum 2. Bottom of footing elevation is indicated on Foundation plans.

49. The Footing Schedule lists "Depth" in the third column. It would be more correctly be listed as "Thickness".

RESPONSE:

Contractor shall assume "Depth" to mean "Thickness".

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To:	All Bidders	Date:	11/2/2026
		Prepared By:	Randy G. Sova II

50. The Foundation Design Intent located on A2.21 (which would have been more helpful if located on sheet S2.01 or S3.01) states that the design is based on using conventional foundations with piers. Also states that all footings and foundations are to be excavated to a depth of 9' 6" below grade. The instructions go on to state that the contractor is to provide engineered fill per soils investigations to bottom of foundation bearing elevation. The bottom of the foundation bearing elevations are not clearly identified in the specs, the soils report nor on the drawings. If the design is to install engineered fill in the 9' 6" foundations to an unknown depth until 2000 psf (note 1 Foundation Notes dwg S3.01) is obtained, that should be clearly spelled out.

RESPONSE:

Bottom of foundation elevations are indicated on Drawings. Refer to Foundation Plan on Sheet S2.01 and Site Plan Sheet 7 of 8. The design intent describes the assumptions to be used for determining Base Bid amount.

51. One of the options presented in the soils report is to excavate the entire building footprint plus 1' horizontal for each 1' of depth removed and to provide engineered fill over this entire area. Please advise if this is an acceptable option. It will be costly, but potentially more definable than the unknown depth of the conventional piers and foundations option.

RESPONSE:

Contractor can propose alternative approaches as voluntary alternates.

52. While reviewing the bid documents for the Belle Isle State Park – New Storage Building project (File No. 751/19193.SMD), we noticed that the following forms are listed under Section 00100 – Instructions to Bidders (Page 00-2), but are not included in the solicitation package:
•Asbestos Abatement Attestation
•Non-Collusion Affidavit
Could you please provide these forms or advise where we can obtain them? Also, please confirm whether the Asbestos Abatement Attestation is applicable to this project, considering the scope involves new construction

RESPONSE:

Refer to Addendum 2.

53. Please confirm the existing capacities (in gallons) of all three aboveground storage tanks (ASTs) and the required capacity of the new double-walled replacement tank. Are the existing ASTs owned by the Owner or leased/rented through the current fuel supplier? Please also identify the current fuel supplier.

RESPONSE:

See response #3.

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To:	All Bidders	Date:	11/2/2026
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54. Have the two existing double-walled ASTs been inspected and confirmed to be in suitable condition for relocation and reuse?

RESPONSE:
See response #3.

55. Considering the apparent condition of the existing tanks, would the Owner consider replacing all three ASTs with new double-walled tanks instead of relocating and reusing the existing two tanks?

RESPONSE:
See response #3.

56. Please clarify the complete scope of work, including tank removal, relocation, associated fuel piping, pumps, electrical connections, testing, and commissioning.

RESPONSE:
See response #3.

57. Roof underlayment: Sheet A6.21 (keynote R1) and A5.11 (keynote 17) call for 15# felt. Specification 073113, 2.4.A calls for synthetic underlayment. Please confirm which one governs.

RESPONSE:
Specification shall govern.

58. Ice and water shield extent: Specification 073113, 3.2.B requires self-adhered underlayment at eaves, rakes and ridges (36 in. each side of the ridge). The hatch on the A6.21 roof plan shows eaves only. Please confirm the required locations.

RESPONSE:
Refer to Addendum 2.

59. Fascia, rake trim and soffit: The A6.21 roof plan keynotes R4 and R7 show pre-finished aluminum fascia/rake trim and vented aluminum soffit. Section 074213.13 includes fasciae, rakes and soffits in the metal wall panel system, formed from the panel material. Please confirm which section and material govern.

RESPONSE:
Specification shall govern.

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Prepared By: Randy G. Sova II

60. Ice and water shield product: Section 073113, 2.1 requires underlayments from the shingle manufacturer (CertainTeed), but none of the products listed in 2.4.B is a CertainTeed product. Is CertainTeed WinterGuard acceptable?

RESPONSE:
CertainTeed WinterGuard products are acceptable.

61. Rain guard diverters (A6.21 keynote R8; A5.11 keynote 31): No specification section or detail is provided. Please give the product, material and length required.

RESPONSE:
See Addendum 2.

62. Is the 80' of fencing along Pleasure Drive the only requested location? The fencing extending from the neighboring building to the northeast to the water looks to have been completed previously.

RESPONSE:
Yes.

63. Does Sheet 5 of 8 of the civil plans ("Existing Conditions Sheet") reflect the existing grades that we can expect to find at the start of the work on this project?"

RESPONSE:
Yes.

64. The existing fuel tanks do not have a secondary containment system, will a secondary containment be needed for these tanks?

RESPONSE:
See response #3.

65. During the site walk, changes to the project dates and durations were discussed, will these be officially released prior to bid?

RESPONSE:
See response #22.

66. Can you clarify on what costs will be covered by the "Utility Allowance"?

RESPONSE:
The utility allowance is intended solely for costs from the utility with delivering new electrical service.

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67. Is the design intent to determine DTE service location after bid award? Plan E0.04 indicates INCOMING UTILITY on southeast corner of new building and a 10' stub but does not indicate the source of the power or how far the source is from building (i.e. how much conduit to run).

RESPONSE:

Yes. A DTE work order number has been opened (#79397461) and a Planned has been assigned (see contact info below), but DTE has not provided any information yet.

Planning Representative: Antoine McReynolds
Primary Phone: 3132354424
Email: ANTOINE.MCREYNOLDS@DTEENERGY.COM

END OF DOCUMENT

BID SUMMARY

DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
DESIGN AND CONSTRUCTION DIVISION
3111 W. St. Joseph Street
Lansing, Michigan 48917

Bids must be submitted electronically at: SIGMA VSS

FILE NUMBER 751/19193.SMD	DEPARTMENT/AGENCY Department of Natural Resources	
CONTRACT TIME(S) August 30, 2027 (Substantial Completion)	PROJECT NAME Belle Isle State Park – New Storage Building	LOCATION 11 Pleasure Drive Detroit, MI
BID OPENING DATE Wednesday, November 11, 2026 at 2:00 pm Local Time	FOR AN EXAMINATION OF THE SITE CONTACT: WTA Architects (989) 752-8107 Randy Sova II rsova@wtaarch.com	

SEE SECTION 00100 INSTRUCTIONS TO BIDDERS AND SECTION 00700 GENERAL CONDITIONS PROVIDED WITH THE BIDDING DOCUMENTS.
BID: WE PROPOSE TO FURNISH, PERFORM AND COMPLETE THE ENTIRE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS IN CONSIDERATION OF THE BID PRICE (S) STATED BELOW.

FIRM NAME AND COMPLETE ADDRESS	TELEPHONE NUMBER and E-MAIL ADDRESS
	SIGMA VENDOR NUMBER (protected information required for processing payments)
☐ Qualified Disabled Veteran	
BIDDER'S SIGNATURE AND TITLE DATE	WITNESS' SIGNATURE DATE

By signing this bid above, bidder certifies their enclosed Qualified Disabled Veteran and Michigan-Based Business Certifications.

BASE BID FROM BID SCHEDULE (Include specified Allowances):

_____ Dollars $_____
(use words) (in figures)

Allowance No. 1: Provisionary Allowance - $50,000.00

Allowance No. 2: Utility Allowance - $25,000.00

Allowance No. 3: Trash Compactor Allowance - $25,000.00

Allowance No. 4: Fuel Dispensing System Allowance - $25,000.00

Allowance No. 5: Permit Fee Allowance - $1,000.00

Allowance No. 6: Testing and Inspections Allowance - $5,000.00

A PERFORMANCE BOND AND A PAYMENT BOND ARE REQUIRED FOR ALL BIDS OVER $50,000.00. EACH BID MUST BE ACCOMPANIED BY A FIVE (5) PERCENT BID GUARANTEE. BUILDERS RISK INSURANCE IS REQUIRED TO BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE INDICATED IN THE BID DOCUMENTS.

BIDDERS ARE ALSO CAUTIONED TO FAMILIARIZE THEMSELVES WITH ALL OF THE OTHER CONDITIONS OF THE CONTRACT.

Project Scope of Work:

THIS PROJECT INCLUDES CONSTRUCTION OF A NEW STAND-ALONE COLD STORAGE POLE BUILDING FOR THE DNR HEADQUARTERS BUILDING ON BELLE ISLE. THE NEW STRUCTURE WILL NOT BE REGULARLY OCCUPIED OR STAFFED AND WILL BE USED FOR EQUIPMENT AND MATERIAL STORAGE AND WILL NOT INCLUDE ANY REPAIR, OFFICE, OR PLUMBING FACILITIES.

The Bidder must figure its Base Bid on the specified, or Addendum-approved, materials and equipment **only**. No “or equal” or substitution proposals will be permitted after Bid opening, except as provided in the General Conditions.

Addenda: Bidder acknowledges receipt of Addenda: No. ___ dated: _____, No. ___ dated: _____

BID SCHEDULE

Base Bid Schedule - The Bidder will complete the Work and accept as full payment, for the Work items listed, the following Unit Prices and/or Item Bid Prices, as applicable:

Base Bid Item No.	Bid Quantity	Description	Unit Price	Item Bid Price
1	Lump Sum	New Pole Building Structure		
2	Lump Sum	Trash Compactor Ramp, Retaining Wall, and concrete pads		
3	Lump Sum	Fuel Tank concrete pad		
4	Lump Sum	Block storage bin blocks and concrete pad		
5	Lump Sum	All remaining sitework		
		TESTING ALLOWANCE		5,000.00
		PERMIT ALLOWANCE		1,000.00
		FUEL SYSTEM ALLOWANCE		25,000.00
		TRASH COMPACTOR ALLOWANCE		25,000.00
		UTILITY ALLOWANCE		25,000.00
		ALLOWANCE AMOUNT		50,000.00
TOTAL (This amount should equal the Base Bid amount on the Bid Summary Form)				$

Base Bid (Sum of Item Bid Prices for all Base Bid Items):

_____ Dollars $_____

(use words) (in figures)

Schedule of Alternates - The Bidder will complete (or deduct from the Contract) the parts of the Work designated by the Alternates that follow and accept in full payment (or allow in full credit) for those parts of the Work the following Item Bid Prices:

Alternate Item No.	Bid Quantity	Description	Unit Price	Item Bid Price

The Bidder further acknowledges and agrees that the separate prices bid on this "Schedule of Alternates," where they are applicable and deemed acceptable by the **Owner**, will be used if incorporated into the Contract when the **Owner** issues the Notice of Award.

Schedule of Unit Prices or Contingent Change Order Prices - The Bidder shall use this "Schedule" to quote unit prices identified in the bid documents or propose other contingent Change Order prices. The proposed Unit Prices or contingent Change Order prices set forth in this schedule, at the sole discretion of the **Owner,** may, or may not be incorporated into the Contract Documents. The **Owner** reserves the right to negotiate Unit Prices or contingent Change Order prices set forth herein prior to their possible incorporation into the Contract Documents.

Item No.	Bid Quantity	Description	Unit Price	Item Bid Price
1	**Cubic Yard**	**Excavation**		
2	**Cubic Yard**	**Engineered Fill**		
3	**Cubic Yard**	**Course Stone Fill**		
4	**Ten-Foot Section**	**Chain Link Fence**		
5	**Cubic Yard**	**Contaminated Soil Disposal**		

NON-COLLUSION AFFIDAVIT

SUBMISSION REQUIRED WITH ALL BIDS

PROFESSIONAL - WTA Architects

WORK - Belle Isle State Park New Storage Building

FILE No. _751/19193.SMD____

Affiant, _____, being first duly sworn, deposes and says that:

(1) Affiant is (enter title) _____ of _____ _____, "the Bidder." Affiant has personal knowledge of the matters set forth in this Affidavit and is competent to testify about them.

(2) The Bidder has submitted to the **Owner** a "Bid" to enter into the above referenced Contract, also referred to in this Affidavit as "the Work."

(3) This Section 00320 Non-collusion Affidavit is executed by Affiant for inclusion with the submission to the **Owner** of the Bid and may be relied upon by the **Owner** in considering the Bid.

(4) Affiant is fully informed about the preparation and contents of the Bid and of all pertinent circumstances surrounding the Bid, has not entered into any contract, combination, conspiracy, or other act prohibited by federal, State or any other local Law. The Bid is genuine and is not a collusive or sham Bid.

(5) Neither the Bidder nor any of the Bidder's owners, officers, partners, directors, agents, representatives, employees or parties in interest, including this Affiant, have in any way entered or proposed to enter into any combination to prevent the making of any Bid, or to fix any prices (including overhead, profit or other costs) for the Bid; or have made any agreement, or given or promised any consideration to induce any other person not to Bid for the Work, or to Bid at a specified price; or have secured, proposed or intended to secure through any agreement an unlawful advantage against the **Owner** or any other person interested in the Work.

(6) No officer or employee of the State of Michigan is personally or financially interested, directly or indirectly, in the Bid, or any Contract which may be under it, or in the purchase or sale of any materials, equipment or supplies for the Work to which it relates, or any portion of any expected profits thereto.

(7) The Bid is not intended to secure an unfair advantage or benefit from the **Owner** or in favor of any person interested in the proposed Contract.

(8) The prices bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any other of the Bidder's owners, officers, partners, directors, agents, representatives, employees or parties in interest, including this Affiant; and neither the Bidder nor any of its owners, officers, partners, directors, agents, representatives, employees or parties in interest, including this Affiant, have divulged any information regarding the Bid or any data about the Bid to any other person.

By: _____ Title: _____

SIGMA VENDOR NUMBER_____ Telephone No. _____

VERIFICATION

STATE OF _____)
)
COUNTY OF _____)

Before me, a Notary Public commissioned, qualified and acting, personally appeared (enter name of the person signing this Affidavit) _____ to me well known to be the person described in and who signed this Section 00320 Non-collusion Affidavit, who being by me first duly sworn upon oath, says that he/she is the Attorney-in-Fact for (enter Bidder's name) _____-_____, that he/she has been authorized by (enter name of individual, partnership name, or the authorized governing body of the Bidder) _____ to execute this Section 00320 Non-collusion Affidavit on behalf of the named Bidder in favor of the STATE OF MICHIGAN, for the uses and purposes mentioned.

Subscribed and sworn to before me this _____ day of _____, 20_____.

_____

Notary Public, State of _____

My Commission expires: _____, 20 ___

ASBESTOS ABATEMENT ATTESTATION

SUBMISSION REQUIRED WITH ALL BIDS

Pursuant to the Public Entity Asbestos Removal Verification Act, PA 59 of 2024, MCL 338.3371 et seq. ("the Act"), the Owner will conduct the background investigation as required of any asbestos abatement contractor, or a general contractor that contracts with an asbestos abatement contractor, for the abatement of asbestos. Under the Act, an "Asbestos abatement contractor" means a business entity that is licensed under the asbestos abatement contractors licensing act, 1986 PA 135, MCL 338.3101 to 338.3319, and that carries on the business of asbestos abatement on the premises of another business entity and not on the asbestos abatement contractor's premises. Asbestos abatement contractor includes an individual or person with an ownership interest in a business entity described in MCL 338.3373(b).

(INSTRUCTIONS: Professional to select one of these two statements, then *delete* the not selected statement and instructions.)

☐ **THE SCOPE OF WORK TO BE COVERED UNDER THIS CONTRACT CONTAINS ASBESTOS ABATEMENT AND THIS ATTESTATION MUST BE COMPLETED.**

■ **THE SCOPE OF WORK TO BE COVERED UNDER THIS CONTRACT DOES NOT CONTAINS ASBESTOS ABATEMENT AND THIS ATTESTATION IS TO BE LEFT BANK.**

Contractor attests that: *(check one:)*

1. ☐ The Contractor will self-perform all asbestos abatement project work and attests that Contractor has not been issued 5 or more notices of violation of environmental regulations (State and/or Federal), nor has been subject to an administrative consent order or a consent judgment involving environmental regulations.

2. ☐ The Contractor will self-perform all asbestos abatement project work; however, Contractor has been issued 5 or more notices of violation of environmental regulations (State and/or Federal), or has been subject to an administrative consent order or a consent judgment involving environmental regulations, requiring Owner to conduct a background investigation and a public hearing pursuant to PA 59 of 2024, MCL 338.3371 et seq.

3. ☐ The Contractor nominates the following Sub-contractor for all asbestos abatement project work and attests that the nominated Sub-contractor has not been issued 5 or more notices of violation of environmental regulations (State and/or Federal), nor has been subject to an administrative consent order or a consent judgment involving environmental regulations:

   Nominated Sub-contractor: _____

4. ☐ The Contractor nominates the following Sub-contractor for all asbestos abatement project work; however, the nominated Sub-contractor has been issued 5 or more notices of violation of environmental regulations (State and/or Federal), or has been subject to an administrative consent order or a consent judgment involving environmental regulations, requiring Owner to conduct a background investigation and a public hearing pursuant to PA 59 of 2024, MCL 338.3371 et seq.

Nominated Sub-contractor: _____

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements governing allowances.
B. Types of allowances include the following:
   1. Lump-sum allowances.
   2. Unit-cost allowances.
   3. Quantity allowances.
   4. Provisionary allowances.
   5. Testing and inspecting allowances.
C. Related Requirements:
   1. Section 012200 "Unit Prices" for procedures for using unit prices, including adjustment of quantity allowances when applicable.
   2. Section 012600 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
   3. Section 014000 "Quality Requirements" for procedures governing the use of allowances for field testing by an independent testing agency.

1.2 SELECTION AND PURCHASE

A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 LUMP-SUM ALLOWANCES

A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials

ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.6 UNIT-COST ALLOWANCES

A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.7 QUANTITY ALLOWANCES

A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.8 PROVISIONARY ALLOWANCES

A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.
C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.
D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.9 TESTING AND INSPECTING ALLOWANCES

A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
C. Costs of testing and inspection services not specifically required by the Contract Documents are Contractor responsibilities and are not included in the allowance.
D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.10 ADJUSTMENT OF ALLOWANCES

A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
   1. Include installation costs in purchase amount only where indicated as part of the allowance.
   2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
   3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
   4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.

B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
   1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
   2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

A. Allowance No. 1: Provisionary Allowance: Include the sum of $50,000.00 for project related additions, as outlined in the contract.

B. Allowance No. 2: Utility Lump Sum Allowance: Include the sum of $25,000.00 for project related utility costs including costs related to DTE service connection.
   1. Allowance shall be used exclusively for costs from utility company to provide new service to building.

C. Allowance No. 3: Trash Compactor Lump Sum Allowance: Include the sum of $25,000.00 for Owner costs related to relocation of existing trash compactor equipment.

1. Allowance shall be used exclusively for costs from Owner's separate contractor for disconnecting, moving and reconnection of existing trash compactor equipment.

D. Allowance No. 4: Fuel Dispensing System Lump Sum Allowance: Include the sum of $25,000.00 for Owner costs related to existing and new fuel dispensing systems.
1. Allowance shall be used exclusively for costs from Owner's separate contractor for fuel dispensing equipment and systems, including fuel storage tanks, pumps, gauges, and underground electrical service from building to tank location.

E. Allowance No. 5: Permit Fee Lump Sum Allowance: Include the sum of $1,000.00 for project permit fees.

F. Allowance No. 6: Testing and Inspections Allowance: Include the sum of $5,000.00 for testing and inspection services to be provided by Owner.

G. Allowance No. 7: Excavation Quantity Allowance: Include in Base Bid amount a quantity of unsuitable soil excavation, removal, and disposal sufficient to meet the design intent on Drawings.
1. Coordinate quantity allowance adjustment with unit-price requirements in Section 012200 "Unit Prices".

H. Allowance No. 8: Engineered Fill Quantity Allowance: Include in Base Bid amount a quantity of engineered fill sufficient to meet the design intent on Drawings.
1. Coordinate quantity allowance adjustment with unit-price requirements in Section 012200 "Unit Prices".

I. Allowance No. 9: Chain Link Fencing Quantity Allowance: Provide a total quantity of 80 ln. ft. of chain link fencing as indicated on Drawings.
1. Coordinate quantity allowance adjustment with unit-price requirements in Section 012200 "Unit Prices".

END OF SECTION 012100

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for unit prices.
B. Related Requirements:
   1. Section 012100 "Allowances" for procedures for using unit prices to adjust allowances.

1.2 DEFINITIONS

A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.3 PROCEDURES

A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

A. Unit Price No. 1 – Excavation:
   1. Description: Provide excavation work to remove unsuitable soils in accordance with Soils Investigation report. Include excavation and any associated costs such as shoring or dewatering. Include cost for removal and proper disposal of soil off-site. Base Bid amount shall be adjusted based on unit pricing for actual quantities.
   2. Unit of Measurements: Cubic Yard.
   3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."

B. Unit Price No. 2 – Engineered Fill:
   1. Description: Provide engineered fill to support foundations in accordance with Soils Investigation report, compacted bank run sand consisting of MDOT Type I or II granular soils and geotextile fabric. Place engineered fill per soils report requirements. Base Bid amount shall be adjusted based on unit pricing for actual quantities.

2. Unit of Measurements: Cubic Yard.

3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."

C. Unit Price No. 3 – Coarse Stone Fill:
1. Description: Provide coarse stone fill at bottom of foundation excavations for stabilizations in accordance with Soils Investigation report, MDOT 6AA or equivalent. Include costs for stone, geotextile fabric, and any other associated costs. Base Bid amount shall be adjusted based on unit pricing for actual quantities.

2. Unit of Measurements: Cubic Yard.

D. Unit Price No. 4 – Chain Link Fencing:
1. Description: Provide chain link fencing as indicated in Civil Engineering Drawings. Base Bid shall include quantity indicated on Drawings. Base Bid amount shall be adjusted based on unit pricing for total quantity installed.

2. Unit of Measurements: Ten-foot Section.

3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."

E. Unit Price No. 5 – Contaminated Soil Disposal:
1. Description: Provide cost for proper disposal of soil contaminated with petroleum or other hazardous substances.

2. Unit of Measurements: Cubic Yard.

END OF SECTION 012200

SECTION 073113 - ASPHALT SHINGLES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
   1. Asphalt shingles.
   2. Underlayment materials.
   3. Ridge vents.
   4. Metal flashing and trim.
   5. Water-Rain Diverter Roof Flashing

1.2 SUBMITTALS

A. Product Data: For each product indicated.
B. Samples: For asphalt shingles, ridge and hip cap shingles, ridge vent, exposed valley lining.
C. Qualification Data: For installer.
D. Maintenance Data: For asphalt shingles to include in maintenance manuals.
E. Materials warranties.
F. Roofing Installer's warranty.

1.3 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Asphalt Shingles: 100 sq. ft. (9.3 sq. m) of each type and in each color and blend, in unbroken bundles.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Engage an experienced roofing contractor to perform work of this Section. Contractor shall have minimum ten years of experience performing work similar in material, design, and extent, including custom metal flashings and specialties, to that indicated for this Project with a record of successful in-service performance.
   1. Field Supervision: Contractor shall maintain experienced full-time supervisors on Project site during times that roofing work is in progress. Supervisors shall not be changed during Project except for causes beyond the control of Contractor.
   2. Worker Qualifications: Persons who are experienced and specialize in roofing work of types they will be performing.
B. Preinstallation Conference: Conduct conference at Project site.
   1. Meet with Owner, Architect, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, air barrier Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
   2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
   3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
   4. Examine deck substrate conditions and finishes for compliance with requirements.
   5. Review structural loading limitations of roof deck during and after roofing.

6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store roofing materials in a dry, well-ventilated location protected from weather, sunlight, and moisture in accordance with manufacturer's written instructions.
B. Store underlayment rolls on end, on pallets or other raised surfaces. Do not double-stack rolls.
C. Protect unused roofing materials from weather, sunlight, and moisture when left overnight or when roofing Work is not in progress.
D. Handle, store, and place roofing materials in a manner to prevent damage to roof deck or structural supporting members.

1.6 FIELD CONDITIONS

A. Environmental Limitations: Proceed with installation only when existing and forecasted weather conditions permit product installation and related Work to be performed in accordance with manufacturer's written instructions and warranty requirements.
   1. Install self-adhering, polymer-modified bitumen sheet underlayment within the range of ambient and substrate temperatures recommended in writing by manufacturer.

1.7 WARRANTY

A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace asphalt shingles that fail in materials within specified warranty period.
   1. Material Warranty Period: 50years from date of Substantial Completion, prorated, with first 5 years nonprorated.
   2. Refer to manufacturer’s warranty for adjustments for commercial applications.
   3. Provide Upgraded Wind Warranty from 110 to 130 mph on shingles by complying with all manufacturers’ conditions and instructions
B. Special Project Warranty: Submit roofing Installer’s warranty, on warranty form at end of this Section, signed by Installer, covering Work of the Section, for the following warranty period.
   1. Warranty Period: 5 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

A. Obtain ridge and hip cap shingles ridge vents felt underlayment and self-adhering sheet underlayment through one source from a single asphalt shingle manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: Provide asphalt shingle and related roofing materials with the fire-test-response characteristics indicated, as determined by testing identical products per test method below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify materials with appropriate markings of applicable testing and inspecting agency.
   1. Exterior Fire-Test Exposure: Class C; ASTM E 108 or UL 790, for application and roof slopes indicated.
B. Wind Resistance: Provide asphalt shingles that comply with requirements of ASTM D3161/D3161M, Class F, and with ASTM D7158/D7158M, Class H.

2.3 GLASS-FIBER-REINFORCED ASPHALT SHINGLES

A. Laminated-Strip Asphalt Shingles: ASTM D 3462, laminated, multi-ply overlay construction, glass-fiber reinforced, mineral-granule surfaced, and self-sealing.
   1. Manufacturer: Subject to compliance with requirements, provide the following:
      a. CertainTeed Corporation, Landmark Pro.
   2. Strip Size: Manufacturer's standard.
   3. Algae Resistance: Granules treated to resist algae discoloration.
   4. Color and Blends: To be selected from Manufacturer’s full range.
B. Hip and Ridge Shingles: Manufacturer's standard units to match asphalt shingles.
C. Starter Strip Shingles: Manufacturer’s standard starter units as required for warranty.

2.4 UNDERLAYMENT MATERIALS

A. Synthetic Underlayment: UV-resistant polypropylene, polyolefin, or polyethylene polymer fabric with surface coatings or treatments to improve traction underfoot and abrasion resistance; evaluated and documented to be suitable for use as a roof underlayment under applicable codes by a testing and inspecting agency acceptable to authorities having jurisdiction.
B. Self-Adhering Sheet Underlayment, Polyethylene Faced: ASTM D 1970, minimum of 40-mil-(1.0- mm-) thick, slip-resisting, polyethylene-film-reinforced top surface laminated to SBS-modified asphalt adhesive, with release paper backing; cold applied.
   1. Available Products:
      a. Carlisle Coatings & Waterproofing, Div. of Carlisle Companies Inc.; Dri-Start "A."
      b. Grace, W. R. & Co.; Grace Ice and Water Shield.
      c. Johns Manville International, Inc.; Roof Defender.
      d. Owens Corning; WeatherLock M.
      e. Polyguard Products, Inc.; Polyguard Deck Guard.

2.5 RIDGE VENTS

A. Rigid Ridge Vent: Manufacturer's standard rigid section high-density polypropylene or other UV-stabilized plastic ridge vent with nonwoven geotextile filter strips and with external deflector baffles; for use under ridge shingles.

2.6 ACCESSORIES

A. Asphalt Roofing Cement: ASTM D 4586, Type II, asbestos free.
B. Elastomeric Flashing Sealant: ASTM C920, Type S, Grade NS, one-part, non-sag, elastomeric polymer sealant; of class and use classifications required to seal joints and remain watertight; recommended in writing by manufacturer for installation of flashing systems.

C. Roofing Nails: ASTM F 1667; aluminum, stainless-steel, copper, or hot-dip galvanized steel wire shingle nails, minimum 0.120-inch- (3-mm-) diameter, barbed shank, sharp-pointed, with a minimum 3/8-inch- (9.5-mm-) diameter flat head and of sufficient length to penetrate 3/4 inch (19 mm) into solid wood decking or extend at least 1/8 inch (3 mm) through OSB or plywood sheathing.
   1. Where nails are in contact with metal flashing, use nails made from same metal as flashing.

D. Underlayment Nails: Aluminum, stainless steel, or hot-dip galvanized-steel wire nails with low-profile metal or plastic caps, 1-inch- (25-mm-) minimum diameter.

2.7 METAL FLASHING AND TRIM

A. Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
   1. Sheet Metal: Anodized aluminum.

B. Fabricate sheet metal flashing and trim to comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of the item unless otherwise specified in this Section or indicated on Drawings.
   1. Apron Flashings: Fabricate with lower flange a minimum of 4 inches (102 mm) over and 4 inches (102 mm) beyond each side of downslope asphalt shingles and 6 inches (152 mm) up the vertical surface.
   2. Step Flashings: Fabricate with a headlap of 2 inches (51 mm) and a minimum extension of 4 inches (102 mm) over the underlying asphalt shingle and up the vertical surface.
   3. Cricket and Backer Flashings: Fabricate with concealed flange extending a minimum of 18 inches (457 mm) beneath upslope asphalt shingles and 6 inches (152 mm) beyond each side of chimney or skylight and 6 inches (152 mm) above the roof plane.
   4. Counterflashings: Fabricate to cover 4 inches (102 mm) of base flashing measured vertically; and in lengths required so that no step exceeds 8 inches (203 mm) and overall length is no more than 10 feet (3 m).
      a. Provide metal reglets for installation.
   5. Drip Edges: Fabricate in lengths not exceeding 10 feet (3 m) with minimum 2-inch (51-mm) roof-deck flange and 1-1/2-inch (38-mm) fascia flange with 3/8-inch (10-mm) drip at lower edge.
   6. Vent-Pipe Flashings: ASTM B749, Type L51121, at least 1/16 inch (1.6 mm) thick. Provide lead sleeve sized to slip over and turn down into pipe, soldered to skirt at slope of roof, and extending at least 4 inches (102 mm) from pipe onto roof.

2.8 WATER-RAIN DIVERTER ROOF FLASHING

A. Comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
   1. Sheet Metal: Anodized aluminum.

B. Basis-of-Design Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:
   1. Gibraltar Building Products
      a. Model number: 17690
      b. Material: 30-Gauge galvanized steel
      c. Dimensions: 7.5 inches wide by 10 feet lengths
      d. Location: As indicated on drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
   1. Examine roof sheathing to verify that sheathing joints are supported by framing and blocking or metal clips and that installation is within flatness tolerances.
   2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and completely anchored and that provisions have been made for flashings and penetrations through asphalt shingles.
   3. Verify that vent stacks and other penetrations through roofing are installed and securely fastened.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 UNDERLAYMENT INSTALLATION

A. Synthetic Underlayment:
   1. Install on roof deck parallel with and starting at the eaves.
      a. Lap sides and ends as recommended in writing by manufacturer, but not less than 2 inches (51 mm) for side laps and 6 inches (152 mm) for end laps.
      b. Stagger end laps between succeeding courses at interval recommended in writing by manufacturer, but not less than 72 inches (1829 mm).
      c. Fasten with underlayment nails in accordance with manufacturer's written instructions.
      d. Cover underlayment within period recommended in writing by manufacturer.
   2. Install in single layer on roofs sloped at 4:12 and greater.
   3. Install in double layer on roofs sloped at less than 4:12.
   4. Install synthetic underlayment on roof deck not covered by self-adhering, polymer-modified bitumen sheet unless otherwise specified in this Section or indicated on Drawings.
      a. Lap sides of underlayment over self-adhering sheet not less than 4 inches (102 mm) in direction to shed water.
      b. Lap ends of underlayment not less than 6 inches (152 mm) over self-adhering sheet.
   5. Install fasteners in a grid pattern of 12 inches (305 mm) between side laps with 6-inch (152-mm) spacing at side and end laps.
   6. Terminate synthetic underlayment flush against sidewalls, curbs, chimneys, and other roof projections.

B. Self-Adhering, Polymer-Modified Bitumen Sheet: Install, wrinkle free, on roof deck.
   1. Comply with low-temperature installation restrictions of underlayment manufacturer.
   2. Install lapped in direction that sheds water.
      a. Lap sides not less than 4 inches (102 mm).
      b. Lap ends not less than 6 inches (152 mm), staggered 24 inches (610 mm) between succeeding courses.
      c. Roll laps with roller.
   3. Prime concrete, masonry, and metal surfaces to receive self-adhering sheet.
   4. Eaves: Extend behind fascia board, from bottom edge of fascia up to bottom edge of roof plane, and from edges of eaves 36 inches (914 mm) beyond interior face of exterior wall.
   5. Rakes: Extend from edges of rakes 36 inches (914 mm) beyond interior face of exterior wall.
   6. Valleys: Extend from lowest to highest point 18 inches (457 mm) on each side of centerline.

7. Hips: Extend 18 inches (457 mm) on each side.
8. Ridges: Extend 36 inches (914 mm) on each side without obstructing continuous ridge vent slot.
9. Sidewalls: Extend 18 inches (457 mm) beyond sidewalls and return vertically against sidewalls not less than 4 inches (102 mm).
10. Dormers, Chimneys, Skylights, and Other Roof-Penetrating Elements: Extend 18 inches (457 mm) beyond penetrating elements and return vertically against penetrating elements not less than 4 inches (102 mm).
11. Roof-Slope Transitions: Extend 18 inches (457 mm) on each roof slope.
12. Cover underlayment within seven days.

3.3 METAL FLASHING INSTALLATION

A. Install metal flashings and trim to comply with requirements in Section 076200 "Sheet Metal Flashing and Trim."
   1. Install metal flashings in accordance with recommendations in NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
   2. Bed flanges of metal flashings using asphalt roofing cement or elastomeric flashing sealant.
B. Apron Flashings: Extend lower flange over and beyond each side of downslope asphalt shingles and up the vertical surface.
C. Step Flashings: Install with a headlap of 2 inches (51 mm) and extend over underlying shingle and up the vertical face.
   1. Install with lower edge of flashing just upslope of, and concealed by, butt of overlying shingle.
   2. Fasten to roof deck only.
D. Cricket and Backer Flashings: Install against roof-penetrating elements extending concealed flange beneath upslope asphalt shingles and beyond each side.
E. Counterflashings: Coordinate with installation of base flashing and fit tightly to base flashing. Lap joints a minimum of 4 inches (102 mm) secured in a waterproof manner.
   1. Install in reglets or receivers.
F. Rake Drip Edges: Install over underlayment materials and fasten to roof deck.
G. Eave Drip Edges: Install below underlayment materials and fasten to roof deck.
H. Pipe Flashings: Form flashing around pipe penetrations and asphalt shingles. Fasten and seal to asphalt shingles as recommended by manufacturer.

3.4 ASPHALT SHINGLE INSTALLATION

A. Install asphalt shingles in accordance with manufacturer's written instructions and recommendations in NRCA's "NRCA Guidelines for Asphalt Shingle Roof Systems."
B. Install starter strip along lowest roof edge, consisting of asphalt shingle manufacturer’s recommended starter strip shingles.
   1. Extend asphalt shingles 1/2 inch (13 mm) over fasciae at eaves and rakes.
   2. Install starter strip along rake edge.
C. Install first and remaining courses of laminated asphalt shingles stair-stepping diagonally across roof deck with manufacturer's recommended offset pattern at succeeding courses, maintaining uniform exposure.
D. Fasten asphalt shingle strips with a minimum of four roofing nails, but not less than the number indicated in manufacturer's written instructions for roof slope and design wind speed indicated on Drawings and for warranty requirements specified in this Section.
   1. Locate fasteners in accordance with manufacturer's written instructions.

2. Where roof slope exceeds 18:12, hand seal self-sealing asphalt shingles to improve the shingles' positive bond by applying asphalt roofing cement spots between course overlaps after nailing the upper course.
3. Where roof slope is less than 4:12, hand seal self-sealing asphalt shingles to improve the shingles' positive bond by applying asphalt roofing cement spots between course overlaps after nailing the upper course.
4. When ambient temperature during installation is below 50 deg F (10 deg C), hand seal self-sealing asphalt shingles by applying asphalt roofing cement spots between course overlaps after nailing the upper course.

E. Closed-Cut Valleys: Extend asphalt-shingle strips from one side of valley 12 inches (300 mm) beyond center of valley. Use one-piece shingle strips without joints in valley. Fasten with extra nail in upper end of shingle. Install asphalt-shingle courses from other side of valley and cut back to a straight line 2 inches (50 mm) short of valley centerline. Trim upper concealed corners of cut-back shingle strips.
1. Do not nail asphalt shingles within 6 inches (150 mm) of valley center.
2. Set trimmed, concealed-corner asphalt shingles in a 3-inch- (75-mm-) wide bed of asphalt roofing cement.

F. Ridge Vents: Install continuous ridge vents over asphalt shingles in accordance with manufacturer's written instructions, where indicated on Drawings. Fasten with roofing nails of sufficient length to penetrate sheathing.

G. Hip and Ridge Shingles: Maintain same exposure of cap shingles as roofing-shingle exposure. Lap cap shingles at ridges to shed water away from direction of prevailing winds.
1. Fasten with roofing nails of sufficient length to penetrate sheathing.
2. Fasten ridge cap asphalt shingles to cover ridge vent without obstructing airflow.
3. Install continuous zinc strips at ridge and hip caps and ridge vent locations in accordance with Manufacturer’s requirements.

PART 4 – INSTALLER'S WARRANTY

4.1 ROOFING INSTALLER'S WARRANTY

A. WHEREAS_____of_____, herein called the "Roofing Installer," has performed roofing and associated work ("work") on the following project:

4. Owner:___MDNR – Parks & Recreation Division_____.

5. Address: __99 Pleasure Drive, Detroit, Michigan, 48207_____.

6. Building Name/Type: _Admin Storage Barn_____.

7. Address: _99 Pleasure Drive, Belle Isle Park, Detroit, Michigan, 48207.

8. Area of Work: Asphalt Shingles and associated materials installation_.

9. Acceptance Date: _____.

10. Warranty Period: __Five (5) Years_____.

11. Expiration Date: _____.

B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,

C. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period he will, at his own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.

D. This Warranty is made subject to the following terms and conditions:
   1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
      a. lightning;
      b. peak gust wind speed exceeding___130_____mph;
      c. fire;
      d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
      e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
      f. vapor condensation on bottom of roofing; and
      g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.
   2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.

3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

E. IN WITNESS THEREOF, this instrument has been duly executed this_____day of_____, 20____.

1. Authorized Signature: _____.

2. Name: _____.

3. Title: _____.

END OF SECTION 073113

NEW STORAGE BUILDING FOR:

BELLE ISLE STATE PARK

DETROIT, MICHIGAN

CONTACTS:

PROJECT LOCATION:

11 PLEASURE DRIVE
BELLE ISLE PARK
DETROIT, MICHIGAN 48207

AGENCY:

DEPARTMENT OF NATURAL RESOURCES (DNR)
PARKS & RECREATION DIVISION
99 PLEASURE DRIVE
BELLE ISLE PARK
DETROIT, MICHIGAN 48207

OWNER:

MICHIGAN DEPARTMENT OF TECHNOLOGY, MANAGEMENT & BUDGET (DTMB)
3111 W. ST. JOSEPH ST.
BUILDING 100
LANSING, MI 48917

OFFICE OF THE ARCHITECT:

WTA ARCHITECTS
100 S. JEFFERSON AVENUE, SUITE 601
SAGINAW, MICHIGAN 48607
PHONE: (989) 752-8107
EMAIL: DESIGN@WTAARCH.COM

CIVIL ENGINEER:

ROWE PROFESSIONAL SERVICES COMPANY
27280 HAGGERTY ROAD, SUITE C-2
FARMINGTON HILLS, MICHIGAN 48331
PHONE: (248) 675-1096
FAX: (800) 974-1704

STRUCTURAL ENGINEER:

MACMILLAN ASSOCIATES, INC.
714 E. MIDLAND STREET
BAY CITY, MICHIGAN 48706
PHONE: (989) 894-4300
FAX: (989) 864-9930

ELECTRICAL ENGINEER:

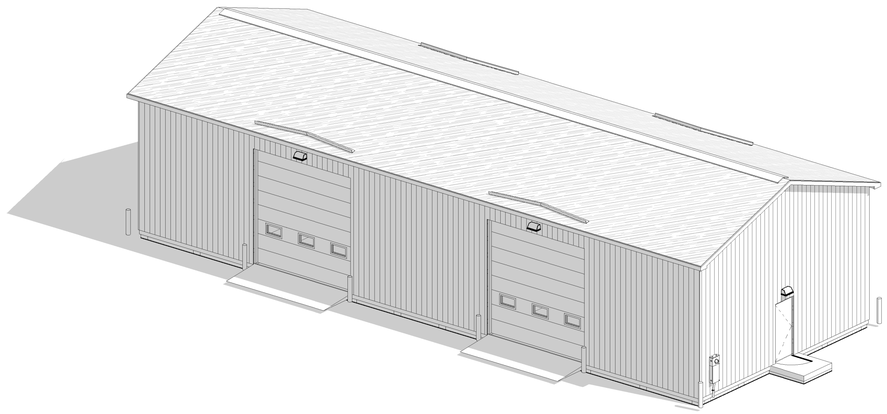
PETER BASSO ASSOCIATES
5145 LIVERNOIS, SUITE 100
TROY, MICHIGAN 48098
PHONE: (866) 950-9760
FAX: (248) 879-0007

INDEX OF DRAWINGS:

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C2	LEGEND SHEET
C3	NOTE SHEET
C4	DETAIL SHEET
C5	EXISTING CONDITIONS SHEET
C6	EXISTING CONDITIONS SHEET CONT.
C7	SITE PLAN SHEET
C8	SESC KEY SHEET
ARCHITECTURAL	
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A2.21	FIRST FLOOR & PARTIAL MEZZANINE FLOOR PLANS
A5.11	EXTERIOR ELEVATIONS & BUILDING SECTIONS
A5.21	WALL SECTIONS, DETAILS & SCHEDULES
A6.21	ROOF PLAN, CEILING PLANS & DETAILS
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S3.01	NOTES AND SCHEDULES
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E0.02	ELECTRICAL STANDARD SCHEDULES
E0.04	ELECTRICAL SITE PLAN
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E5.01	ONE LINE DIAGRAM

PROJECT DESCRIPTION

THIS PROJECT INCLUDES CONSTRUCTION OF A NEW STAND-ALONE COLD STORAGE POLE BUILDING FOR THE DNR HEADQUARTERS BUILDING ON BELLE ISLE. THE NEW STRUCTURE WILL NOT BE REGULARLY OCCUPIED OR STAFFED AND WILL BE USED FOR EQUIPMENT AND MATERIAL STORAGE AND WILL NOT INCLUDE ANY REPAIR, OFFICE, OR PLUMBING FACILITIES.



CODE INFORMATION:

- 2021 MICHIGAN BUILDING CODE (MBC)
- 2012 NFPA 101 LIFE SAFETY CODE
- NFPA 70 NATIONAL ELECTRICAL CODE WITH PART 8 RULES (2023)

1. PROPOSED USE: UTILITY (U) - BARN (312)
2. CONSTRUCTION TYPE: V-B (601)
3. ALLOWABLE BUILDING HEIGHT: 40 FT (504.3)
4. ALLOWABLE BUILDING AREA: 5,500 SQ.FT. (506.2)
   A. PROPOSED:
      FIRST FLOOR: 3,000 SQ.FT.
      MEZZANINE FLOOR: 246 SQ.FT.
      TOTAL: 3,246 SQ.FT.
5. NO SPRINKLER SYSTEM REQUIRED (903)
   A. NOT PROVIDED
6. NO FIRE ALARM REQUIRED (907)
   A. NOT PROVIDED
7. SPACE HEATING SYSTEMS (MMC 309.1)
   A. NO HEATING FACILITIES AS PRIMARY PURPOSE IS NOT ASSOCIATED WITH HUMAN COMFORT.
8. TOILET FACILITIES (MPC TABLE 403.1)
   A. STAFF WILL HAVE ACCESS TO TOILET FACILITIES AT ADJACENT DNR HEADQUARTERS BUILDING.

SCHEDULE OF UNIT PRICES:

UNIT PRICE NO. 1: EXCAVATION
1. DESCRIPTION: PROVIDE EXCAVATION WORK TO REMOVE UNSUITABLE SOILS IN ACCORDANCE WITH SOILS INVESTIGATION REPORT.
2. UNIT MEASUREMENTS: CUBIC YARD

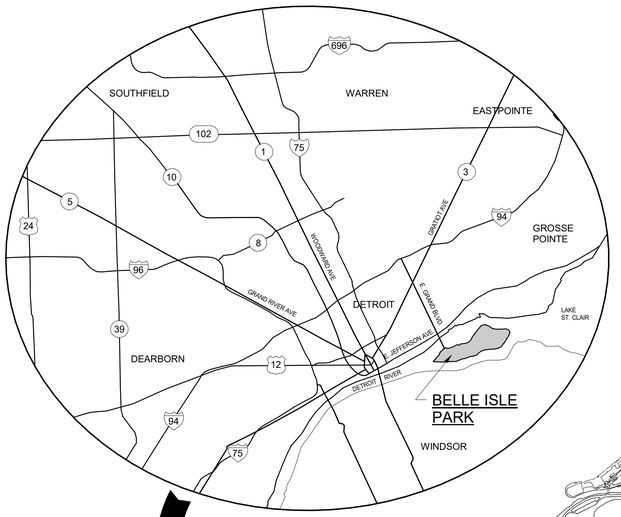
UNIT PRICE NO. 2: ENGINEERED FILL
1. DESCRIPTION: PROVIDE ENGINEERED FILL TO SUPPORT FOUNDATIONS IN ACCORDANCE WITH SOILS INVESTIGATION REPORT.
2. UNIT MEASUREMENTS: CUBIC YARD

UNIT PRICE NO. 3: COURSE STONE FILL
1. DESCRIPTION: PROVIDE COARSE STONE FILL AT BOTTOM OF FOUNDATION EXCAVATIONS FOR STABILIZATIONS IN ACCORDANCE WITH SOILS INVESTIGATION REPORT.
2. UNIT MEASUREMENTS: CUBIC YARD

UNIT PRICE NO. 4: CHAIN LINK FENCE
1. DESCRIPTION: PROVIDE CHAIN LINK FENCING AS INDICATED IN CIVIL ENGINEERING DRAWINGS.
2. UNIT MEASUREMENTS: IN FOOT SECTION

A2

UNIT PRICE NO. 5: CONTAMINATED SOIL DISPOSAL
1. DESCRIPTION: PROVIDE COST FOR PROPER DISPOSAL OF SOIL CONTAMINATED WITH PETROLEUM OR OTHER HAZARDOUS SUBSTANCES.
2. UNIT MEASUREMENTS: CUBIC YARD





NORTH LOCATION MAP SCALE: N.T.S.

NO.	REVISION	DATE
	ISSUED FOR BIDS	10/09/26
A2	ADDENDUM 2	11/2/26

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
DESIGN AND CONSTRUCTION DIVISION
ADAM P. LACH, RA, DIRECTOR

FILE NO.
751/19193.SMD

INDEX NO.
5603

CONTRACT NO.
Y22166

WTAARCH.COM

WTA ARCHITECTS
100 S Jefferson Ave, Suite 601
Saginaw, Michigan 48607
989 752 8107

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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
TITLE SHEET

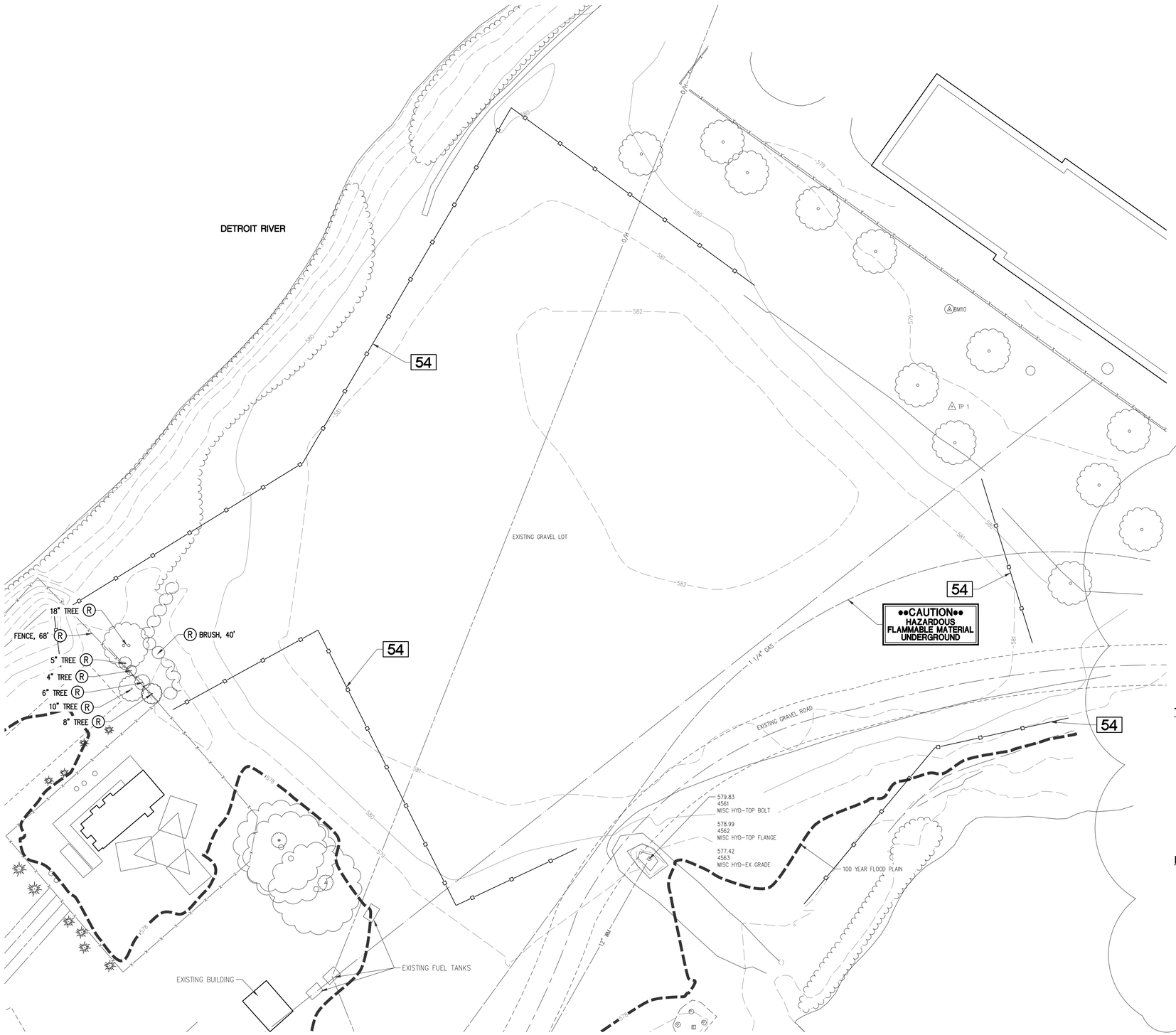
PROJECT NUMBER
2019131

PROJECT DATE
OCTOBER 9, 2026

CHECKED BY
J.R.G.

SHEET NUMBER
TS

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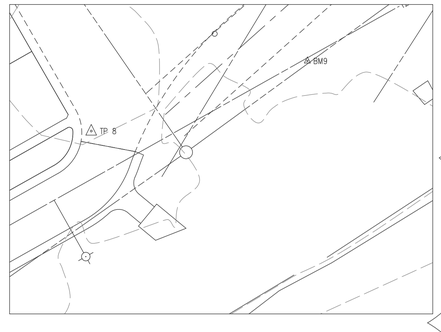
0 20 ft 40 ft

SOIL EROSION CONTROL NOTES

1. LIMITS OF EARTH CHANGE IS 1.08± ACRES – SEE SITE SHEET FOR SURFACE WATER FLOW. A NPDES NOTICE OF COVERAGE IS NOT REQUIRED.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING WORK ON THE PROJECT. THE CONTRACTOR SHALL APPLY FOR AND SECURE A SESC PERMIT AND ABIDE BY ALL REQUIREMENTS OF THE PERMIT.
3. ALL CATCH BASINS WITHIN PROJECT LIMITS AND ADJACENT DOWN GRADIENT CATCH BASINS SHALL HAVE SESC MEASURE #36 (SILT SACK INLET PROTECTION) INSTALLED UNTIL RESTORATION IS COMPLETE.
4. ALL DISTURBED AREAS SHALL BE TOP SOILED (4" MIN), SEEDED, FERTILIZED AND MULCHED TO ESTABLISH TURF.
5. THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY THE CONTRACTOR.
6. SEE SESC KEY SHEET FOR MORE SESC INFORMATION.

REMOVAL NOTES

1. NO WORK SHALL TAKE PLACE UNTIL ALL APPLICABLE PERMITS HAVE BEEN OBTAINED.
2. SEE SITE PLAN SHEET FOR LIMITS OF REMOVALS FOR PROPOSED WORK.
3. ALL PAVEMENT REMOVALS SHALL BE SAWCUT. THE CONTRACTOR SHALL COORDINATE ALL PAVEMENT REMOVALS WITH THE OWNER.
4. THE EXISTING UTILITY INFORMATION SHOWN ON THE PLANS IS BASED ON THE BEST AVAILABLE RECORDS. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY LOCATIONS AND NOTIFYING MISS DIG PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER AND RECORD THEM ON THE AS–BUILT DRAWINGS.
5. CONTRACTOR SHALL NOTIFY / SCHEDULE WITH OWNER IN ADVANCE FOR ALL ITEMS LABELED "AS DIRECTED" (IF ANY).
6. ACCESS SHALL BE MAINTAINED FROM MAIN ENTRY ROAD ALONG PLEASURE DRIVE TO THE PARK HQ. MAINTAIN ACCESS AS MUCH AS POSSIBLE, AT ALL TIMES FOR THE DSWD AND DPD HARBOR FACILITIES. ROAD CLOSURES TO PLEASURE DRIVE BETWEEN DWSD AND PARK HQ ARE LIMITED AS MUCH AS POSSIBLE IN DURATION AND ONLY HAPPEN WITH A 48 HOUR NOTICE TO DNR.



TRAVERSE POINTS:

TP #1
SET 1/2" IRON WITH ROWE TRAVERSE CAP, 12'± NORTHEAST OF CONCRETE BARRIER WALL, 35'± NORTHWEST OF CENTERLINE OF GRAVEL DRIVE
NORTHING = 308660.692
EASTING = 13493420.491

TP #8
SET MAG NAIL IN ASPHALT, 40'± NORTHEASTERLY OF SOUTHEAST CORNER OF DNR BUILDING, 63'± NORTHWEST OF EDGE OF WATER
NORTHING = 308247.221
EASTING = 13493078.515

ALL COORDINATE VALUES ARE GRID.

BENCHMARKS:

BM #9
TOP OF ARROW ON HYDRANT, 103'± NORTHEAST OF SOUTHEAST CORNER OF DNR BUILDING, 50'± NORTHWEST OF EDGE OF WATER
NORTHING = 308267
EASTING = 13493139
ELEV=579.301

BM #10
RIM OF CATCH BASIN, 10'± SOUTHWEST OF FENCE, 39'± NORTHWEST OF MANHOLE
NORTHING = 308699
EASTING = 13493420
ELEV=578.289

ALL COORDINATE VALUES ARE GRID

811 Know what's **below.** **Call** before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
10/09/26	ISSUED FOR BIDS

PLAN DATE: OCTOBER 2026
PROJECT MGR: DRS
REVIEWER: DAS
SCALE: 1" = 20'

ROWE PROFESSIONAL SERVICES COMPANY
The Rowe Building
540 S. Saginaw St., Suite 200
Flint, MI 48502
O: (810) 341-7500
www.rowepsc.com

PREPARED FOR
WTA ARCHITECTS
BELLE ISLE STORAGE BARN

EXISTING CONDITIONS SHEET

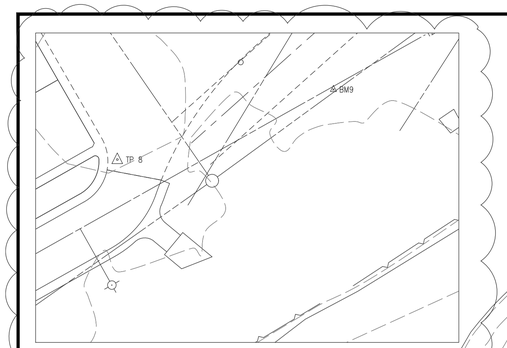
REV:

SHT# 5 OF 8

JOB No: 22F0018

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CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL MAKE MODIFICATIONS TO THE LOCATION OF THE PROPOSED IMPROVEMENTS AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES AND LANDSCAPING. ALL MODIFICATIONS SHALL BE REVIEWED WITH THE OWNER PRIOR TO PERFORMING THE WORK.
2. ALL WORK SHALL BE COORDINATED WITH THE OWNER PRIOR TO THE START OF THE PROJECT. THE CONTRACTOR SHALL PROVIDE A DETAILED CONSTRUCTION SEQUENCE FOR APPROVAL PRIOR TO STARTING.
6. ACCESS SHALL BE MAINTAINED FROM MAIN ENTRY ROAD ALONG PLEASURE DRIVE TO THE PARK HQ. MAINTAIN ACCESS AS MUCH AS POSSIBLE, AT ALL TIMES FOR THE DSWD AND DPD HARBOR FACILITIES. ROAD CLOSURES TO PLEASURE DRIVE BETWEEN DWSD AND PARK HQ ARE LIMITED AS MUCH AS POSSIBLE IN DURATION AND ONLY HAPPEN WITH A 48 HOUR NOTICE TO DNR.
7. ALL DISTURBED AREAS SHALL BE RESTORED AND ESTABLISHED WITH TURF.
8. ANY DAMAGED VEGETATION OR OTHER FEATURES NOT IDENTIFIED FOR REMOVAL WILL BE REPLACED IN-KIND AS APPROVED BY OWNER AT NO ADDITIONAL COST TO THE OWNER.
9. MATCH PROPOSED PAVEMENT AREAS FLUSH WITH EXISTING PAVEMENT.
10. SEE SESC SHEET 8 FOR SESC MEASURES AND OTHER INFORMATION.
11. REFER TO ELECTRICAL PLAN FOR SERVICE FOR THE TRASH COMPACTOR.
12. REFER TO ARCHITECTURAL SHEETS FOR POLE BUILDING INFO.
13. COMPACT EXISTING AGGREGATE SURFACE TO 95% MAX DENSITY, TYP WITHIN PROJECT LIMITS.
14. CONFIRM ALL UTILITY LOCATIONS ONSITE. CAUTION OF OVERHEAD LINES.

N

0 20 ft 40 ft

GRADING TABLE

POINT	ELEVATION	DESCRIPTION	NORTHING	EASTING
101	TP=578.08	MATCH EXISTING	308545.01	13493094.05
102	TP=578.23	MATCH EXISTING	308559.93	13493080.72
103	FG=579.35		308600.55	13493126.24
104	FG=580.22		308585.63	13493139.56
105	FG=581.60		308596.12	13493197.21
106	FG=581.41		308582.97	13493182.14
107	FG=581.60		308596.12	13493197.21
108	FG=581.87		308591.36	13493227.91
109	TP=580.97		308514.12	13493242.20
110	TP=580.97		308493.74	13493218.84
111	TP=580.97		308483.95	13493227.39
112	TP=580.97		308504.32	13493250.75
113	FG=581.42		308532.55	13493283.10
114	FG=581.33		308531.76	13493301.03
115	FG=581.25		308528.63	13493303.80
116	FG=580.99	MATCH EXISTING	308509.96	13493300.19
117	FG=581.06	MATCH EXISTING	308537.92	13493342.73
118	FG=581.33		308542.10	13493318.82
119	FG=581.38		308544.02	13493316.98
120	FG=581.60		308562.82	13493317.81
121	FG=581.92		308590.23	13493349.22
122	FG=582.56		308650.97	13493296.24
123	TP=581.70		308559.45	13493381.77
124	TP=581.70		308565.48	13493376.51
125	TP=581.70		308572.60	13493396.84
126	TP=581.70		308578.62	13493391.58
127	TP=581.70		308573.01	13493369.93
128	TP=581.70		308579.04	13493364.67
129	TP=581.70		308586.16	13493385.00
130	TP=581.70		308592.19	13493379.75

GRADING TABLE

POINT	ELEVATION	DESCRIPTION	NORTHING	EASTING
131	FG=581.14	MATCH EXISTING	308561.36	13493432.90
132	FG=580.89	MATCH EXISTING	308563.27	13493445.83
133	TP=586.34		308608.66	13493391.65
134	TP=586.34		308615.89	13493399.93
135	TP=581.94		308619.21	13493382.44
136	TP=581.83		308626.44	13493390.73
137	TP=582.05		308600.21	13493340.52
138	TP=581.62		308640.73	13493386.97
139	TP=581.77		308630.75	13493395.68
140	TP=582.50		308638.56	13493345.18
141	TP=583.00		308675.97	13493371.95
142	TP=582.50		308666.49	13493306.15
143	TP=583.00		308703.90	13493332.91
144	TP=582.50		308693.84	13493267.92
145	TP=583.00		308731.25	13493294.69
146	TW=591.00	TOP OF WALL	308734.04	13493294.23
147	TW=591.00	TOP OF WALL	308676.43	13493374.74
148	FG=579.71	MATCH EXISTING	308676.45	13493374.88
149	FG=580.25	MATCH EXISTING	308734.18	13493294.20
150	TW=581.98	END OF WALL	308606.34	13493369.23
151	TW=586.58		308618.44	13493383.11
152	TW=586.58		308625.70	13493391.38
153	TW=579.72	END OF WALL	308644.12	13493411.79
154	FF=582.50	BUILDING FINISHED FLOOR	308539.60	13493253.15
155	FF=582.50	BUILDING FINISHED FLOOR	308562.58	13493233.10
156	FF=582.50	BUILDING FINISHED FLOOR	308615.64	13493293.93
157	FF=582.50	BUILDING FINISHED FLOOR	308592.66	13493313.98
158	FG=582.33		308630.74	13493273.05
159	FG=581.86		308660.82	13493241.77

••CAUTION••
HAZARDOUS FLAMMABLE MATERIAL UNDERGROUND

GRADING LEGEND

FF – FINISH FLOOR ELEVATION
FG – FINISH GRADE
TP – TOP OF PAVEMENT
TW – TOP OF WALL
LL – LEVEL LANDING
~~~ FLOW DIRECTION

RADIUS POINTS

POINT	DESCRIPTION	NORTHING	EASTING
201	RADIUS 20'	308606.43	13493214.76
202	RADIUS 30'	308563.25	13493159.54
203	RADIUS 15'	308521.36	13493290.46
204	RADIUS 13'	308553.03	13493326.35
205	RADIUS 30'	308566.26	13493335.36

TRAVERSE POINTS:

TP #1
SET 1/2" IRON WITH ROWE TRAVERSE CAP, 12'± NORTHEAST OF CONCRETE BARRIER WALL, 35'± NORTHWEST OF CENTERLINE OF GRAVEL DRIVE
NORTHING = 308660.692
EASTING = 13493420.491

TP #8
SET MAG NAIL IN ASPHALT, 40'± NORTHEASTERLY OF SOUTHEAST CORNER OF DNR BUILDING, 63'± NORTHWEST OF EDGE OF WATER
NORTHING = 308247.221
EASTING = 13493078.515

ALL COORDINATE VALUES ARE GRID.

BENCHMARKS:

BM #9
TOP OF ARROW ON HYDRANT, 103'± NORTHEAST OF SOUTHEAST CORNER OF DNR BUILDING, 50'± NORTHWEST OF EDGE OF WATER
NORTHING = 308267
EASTING = 13493139
ELEV=579.301

BM #10
RIM OF CATCH BASIN, 10'± SOUTHWEST OF FENCE, 39'± NORTHWEST OF MANHOLE
NORTHING = 308699
EASTING = 13493420
ELEV=578.289

ALL COORDINATE VALUES ARE GRID

811
Know what's **below.**
Call before you dig.

PLAN SUBMITTALS AND CHANGES

BIDDING DOCUMENTS

DATE	DESCRIPTION
10/09/26	ISSUED FOR BIDS
10/29/26	ADJUST COMPACTOR AND SLAB GRADING POINTS

PLAN DATE: OCTOBER 2026
PROJECT MGR: DRS
REVIEWER: DAS
SCALE: 1" = 20'

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PREPARED FOR
WTA ARCHITECTS
BELLE ISLE STORAGE BARN

SITE PLAN SHEET

REV:

SHT# 7 OF 8
JOB No: 22F0018

PLOTTED: 10/29/2026 1:59 PM L:\CAD\Projects\22F0018\Dwg\Construction Drawings\SH-22F0018-SITE.dwg
~~~



FUEL DISPENSING SYSTEM SCOPE OF WORK:

THE DESIGN INTENT IS TO RELOCATE TWO EXISTING DOUBLE-WALLED FUEL STORAGE TANKS TO NEW CONCRETE FUELING PAD. A THIRD EXISTING SINGLE-WALLED FUEL STORAGE TANK IS TO BE REPLACED WITH A NEW DOUBLE-WALLED TANK OF MATCHING SIZE AND CAPACITY. PROVIDE NEW AST PUMPS WITH CLOCK GAUGE ALARM FOR EACH TANK AND ALL NECESSARY ACCESSORIES FOR A FULLY OPERATIONAL AND COMPLIANT SYSTEM.

EXISTING AND NEW FUEL DISPENSING EQUIPMENT WILL BE PROVIDED AND INSTALLED BY OWNER UNDER SEPARATE CONTRACT. CONTRACTOR SHALL COORDINATE WITH OWNER AND OWNER'S FUEL SYSTEM CONTRACTOR AS REQUIRED. REFER TO ALLOWANCE NO. 3.

A2

TRASH COMPACTOR SCOPE OF WORK:

THE DESIGN INTENT IS TO RELOCATE AN EXISTING TRASH COMPACTOR FROM ITS CURRENT LOCATION TO A NEW PAD ADJACENT TO THE NEW POLE BUILDING.

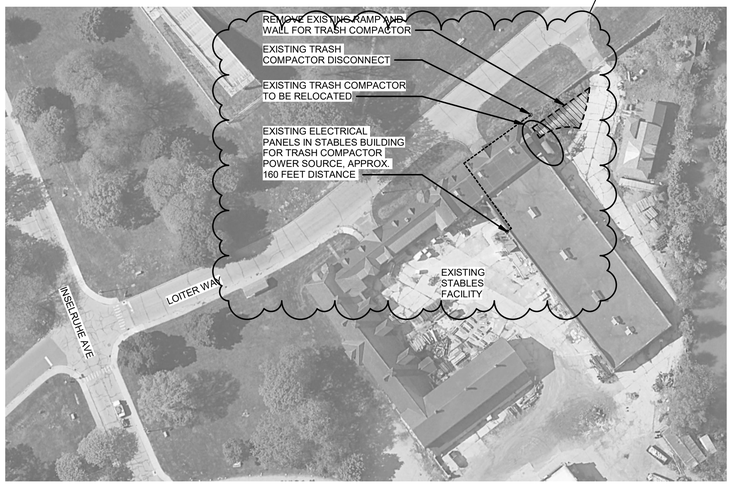
EXISTING TRASH COMPACTOR WILL BE RELOCATED BY OWNER UNDER SEPARATE CONTRACT. CONTRACTOR SHALL COORDINATE WITH OWNER AND OWNER'S SEPARATE CONTRACTOR AS REQUIRED. REFER TO ALLOWANCE NO. 2.

CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THE NEW PAD LOCATION AND INFRASTRUCTURE INDICATED ON THE DRAWINGS. MOVING THE EXISTING UNIT, INCLUDING DISCONNECTING AND RECONNECTION OF POWER TO BE PERFORMED BY:

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(905) 426-6442 EXT 1001
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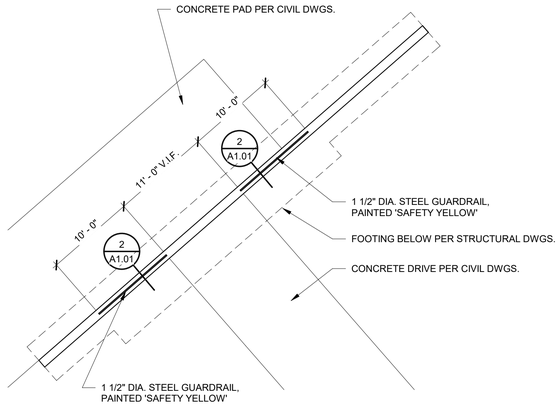
CONTRACTOR SHALL REMOVE EXISTING INFRASTRUCTURE AT CURRENT COMPACTOR LOCATION AFTER RELOCATION, INCLUDING REMOVAL OF RAMP, WALL, AND CUTTING AND CAPPING ELECTRICAL POWER. PROVIDE LAWN RESTORATION AT AREA OF RAMP REMOVAL AS REQUIRED.

A2



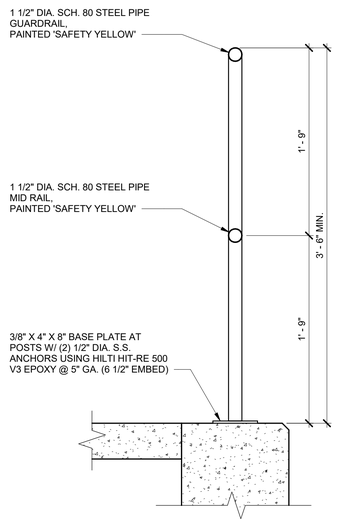
GENERAL SITE PLAN NOTES:

1. ARCHITECTURAL SITE PLAN INDICATED ON THIS SHEET IS FOR DIAGRAMMATIC PURPOSES ONLY.
2. REFER TO CIVIL DOCUMENTS FOR BENCHMARKS, BOUNDARIES, EASEMENTS, ETC.

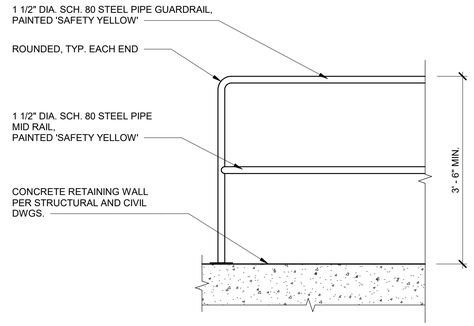


NORTH

1 A1.01 RETAINING WALL GUARDRAIL PLAN
SCALE: 1/8" = 1'-0"



2 A1.01 RETAINING WALL GUARDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



3 A1.01 PARTIAL RETAINING WALL GUARDRAIL ELEVATION
SCALE: 3/4" = 1'-0"

NO.	REVISION	DATE
A2	ADDENDUM 2	11/2/26
	ISSUED FOR BIDS	10/09/26

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
DESIGN AND CONSTRUCTION DIVISION
ADAM P. LACH, RA, DIRECTOR

FILE NO.
751/19193.SMD

INDEX NO.
5603

CONTRACT NO.
Y22166

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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
ARCHITECTURAL SITE PLAN

PROJECT NUMBER
2019131

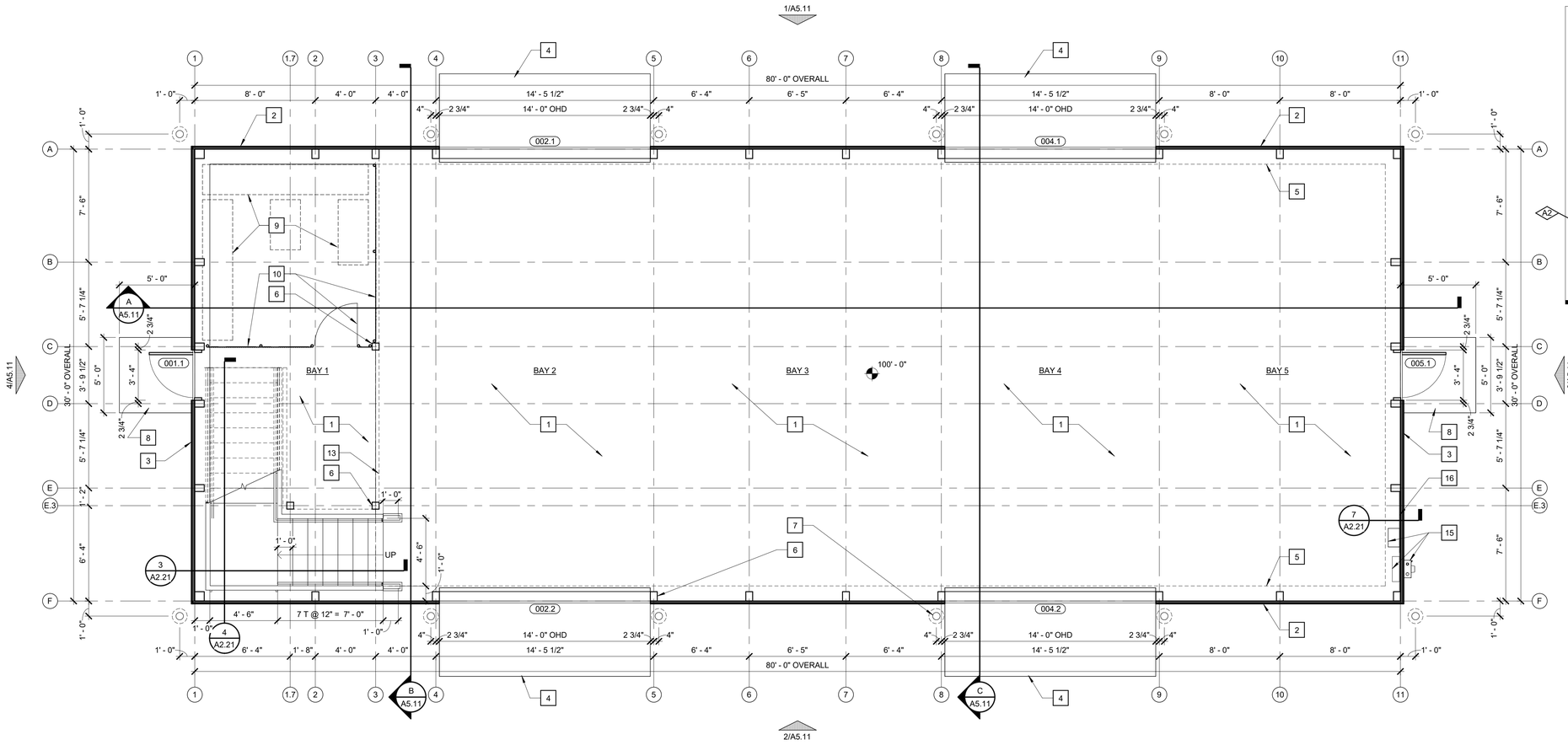
PROJECT DATE
OCTOBER 9, 2026

CHECKED BY
J.R.G.

SHEET NUMBER
A1.01

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FIRST FLOOR CONSTRUCTION PLAN

NORTH

1 A2.21 SCALE: 1/4" = 1'-0"

FOUNDATION DESIGN INTENT

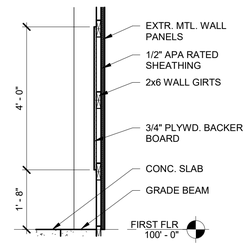
THE DESIGN INTENT IS TO CONSTRUCT THIS BUILDING USING CONVENTIONAL PIERS AND FOOTINGS RESTING ON NATIVE, NON-ORGANIC SOILS, AS DESCRIBED IN THE SOILS INVESTIGATION REPORT PREPARED BY MCDOWELL & ASSOCIATES. ALL NON-ENGINEERED FILL SOILS, ORGANIC SUBSTANCES, OR EXCESSIVELY WEAK SOILS SHOULD BE REMOVED IN ACCORDANCE WITH THEIR REPORT AND REPLACED WITH ENGINEERED FILL. CONTRACTOR SHALL BE RESPONSIBLE FOR ENGAGING THE SOILS ENGINEER DURING EXCAVATION AND CONSTRUCTION TO MONITOR OPERATIONS AND VERIFY SOIL SUITABILITY AND BEARING CAPACITY.

FOR BIDDING PURPOSES, THE CONTRACTOR SHALL INCLUDE THE FOLLOWING IN BASE BID AMOUNT:

- EXCAVATE FOR ALL FOOTINGS AND FOUNDATIONS TO A DEPTH OF 9'-6" BELOW GRADE
- PROVIDE ENGINEERED FILL PER SOILS INVESTIGATION RECOMMENDATIONS TO BOTTOM OF FOUNDATION BEARING ELEVATION
- BACKFILL FOUNDATIONS USING NATIVE SOILS; ALL SPOILS SHALL BE REMOVED FROM SITE AND PROPERLY DISPOSED.
- PROVIDE DEWATERING FOR EXCAVATIONS AS REQUIRED.

CONTRACT AMOUNTS WILL BE ADJUSTED BASED ON THE ACTUAL WORK PERFORMED USING UNIT COST PRICING. REFER TO UNIT COSTS FOR ADDITIONAL INFORMATION.

NOTE:
PROVIDE AND INSTALL ALL EQUIPMENT BACKING BOARDS IN STRICT ACCORDANCE WITH THE ELECTRICAL SPECIFICATIONS, LOCAL BUILDING CODES, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).



WALL BACKING SECTION

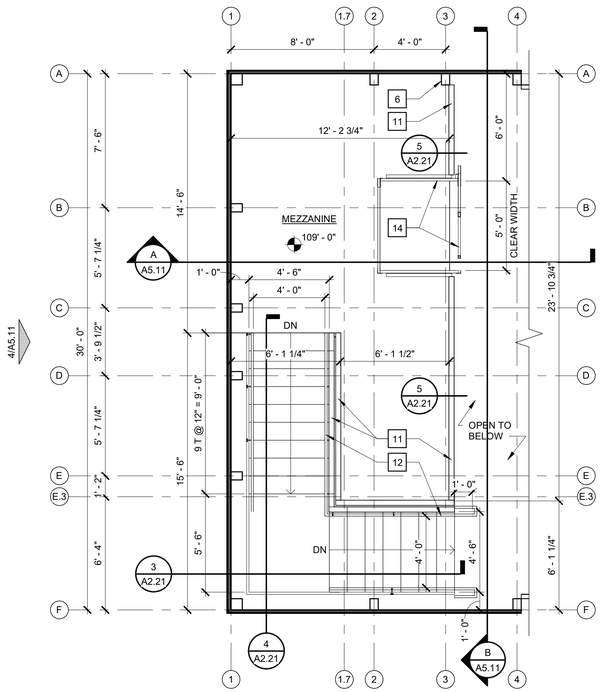
7 A2.21 SCALE: 1/2" = 1'-0"

GENERAL PLAN NOTES:

1. COLUMN LINES ARE DIMENSIONED FROM INSIDE FACE OF HORIZONTAL 2X WALL GIRTS TO THE CENTER OF THE COLUMN, EXCEPT FOR CORNER COLUMNS, UNLESS NOTED OTHERWISE.
2. REFER TO ALL ARCHITECTURAL, CIVIL, STRUCTURAL AND ELECTRICAL FOR RELATED WORK.
3. CONTRACTOR IS RESPONSIBLE TO ENSURE ALL WORK CONFORMS WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.

PLAN KEYNOTES

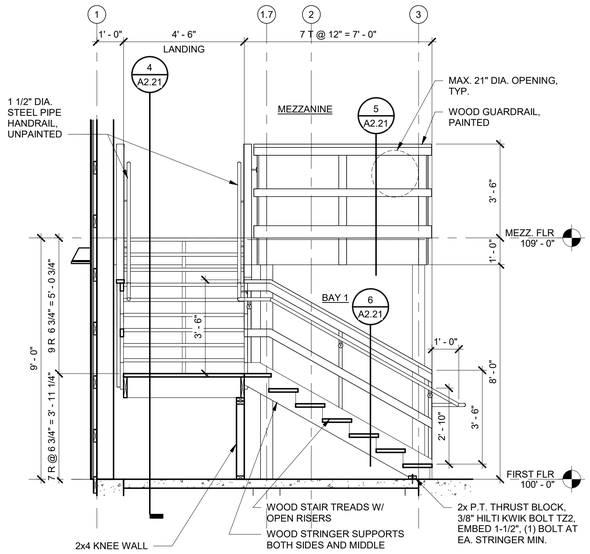
1 CONCRETE FLOOR SLAB ON VAPOR BARRIER PER STRUCT. DWGS.
2 PRE-FINISHED FORMED METAL WALL PANELS (RE: SPEC.), ON 2x6 WALL GIRTS PER STRUCT. DWGS.
3 PRE-FINISHED FORMED METAL WALL PANELS (RE: SPEC.), ON 1/2" APA RATED SHEATHING ON 2x6 WALL GIRTS PER STRUCT. DWGS.
4 CONCRETE APRON PER CIVIL DWGS.
5 LINE OF CONTINUOUS REINFORCED CONCRETE GRADE BEAM PER STRUCT. DWGS.
6 PRESSURE TREATED TIMBER WOOD COLUMN PER STRUCT. DWGS.
7 6" DIA. BOLLARD, TYP. PER CIVIL DWGS.
8 CONCRETE SUPPORTED ENTRY SLAB PER STRUCT. DWGS.
9 24" WIDE STORAGE SHELVING UNITS, BY OWNER.
10 FENCING & GATE ENCLOSURE SYSTEM. PROVIDE LATCH AND HOLD SWING IN FOR GATE DOOR.
11 WOOD GUARDRAIL SYSTEM, UNPAINTED.
12 1 1/2" DIAMETER STEEL PIPE HANDRAIL, UNPAINTED.
13 LINE OF MEZZANINE ABOVE.
14 SAFETY SWING GATE SYSTEM WITH SIDE RAILS. SPEC: FABENCO MZ CH-SERIES, MODEL #CH15-64PC.
15 ELECTRICAL EQUIPMENT PER ELEC. DWGS.
16 PROVIDE 3/4" X 4' X 8' PLYWOOD BACKER BOARD FOR ELECTRICAL EQUIPMENT (RE: DETAIL THIS SHEET).



NORTH

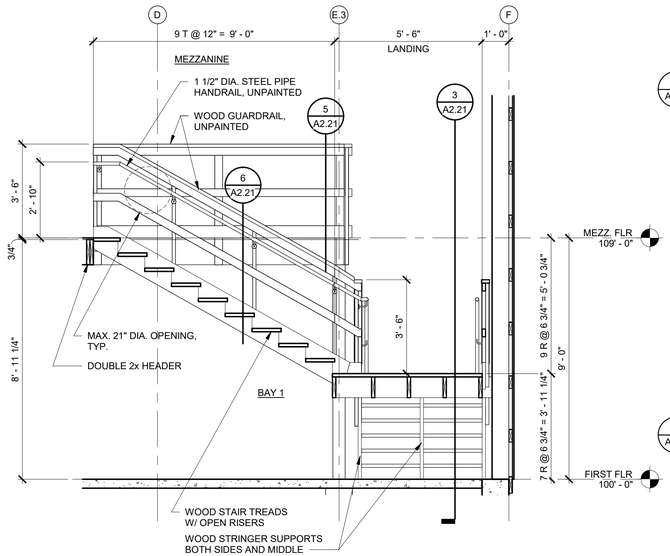
2 A2.21 SCALE: 1/4" = 1'-0"

PARTIAL MEZZANINE CONSTRUCTION PLAN



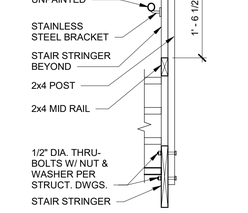
STAIR SECTION

3 A2.21 SCALE: 3/8" = 1'-0"



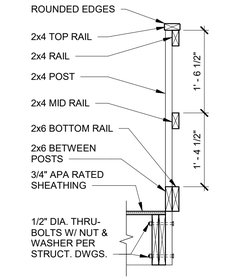
STAIR SECTION

4 A2.21 SCALE: 3/8" = 1'-0"



WOOD GUARDRAIL @ STAIR

6 A2.21 SCALE: 3/4" = 1'-0"



WOOD GUARDRAIL @ MEZZ.

5 A2.21 SCALE: 3/4" = 1'-0"

NO.	REVISION	DATE
A2	ADDENDUM 2	11/2/26
	ISSUED FOR BIDS	10/09/26

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
DESIGN AND CONSTRUCTION DIVISION
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FILE NO.
751/19193.SMD

INDEX NO.
5603

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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
FIRST FLOOR & PARTIAL MEZZANINE FLOOR PLANS

PROJECT NUMBER
2019131

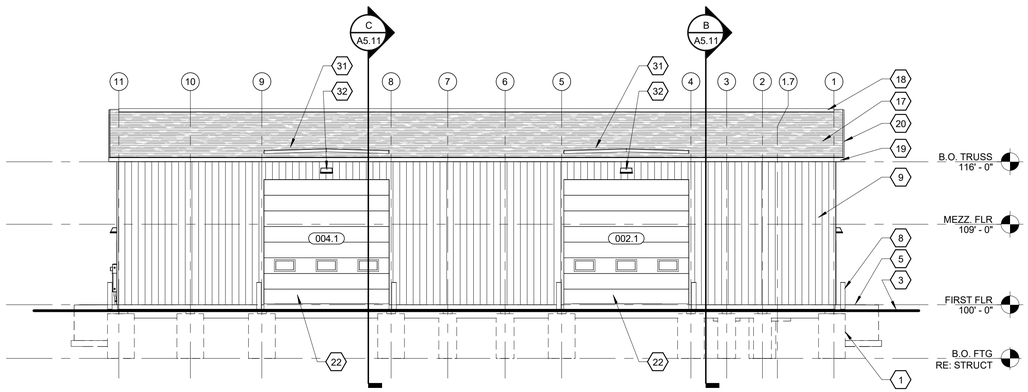
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PROJECT DATE
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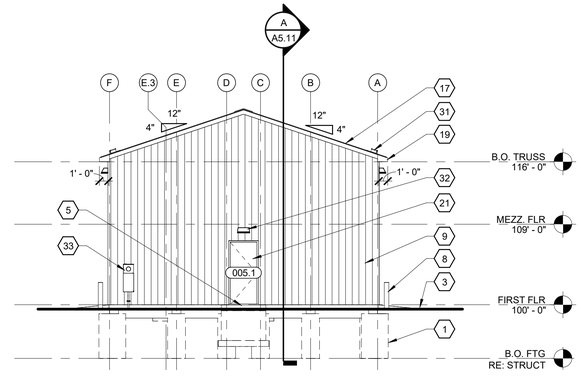
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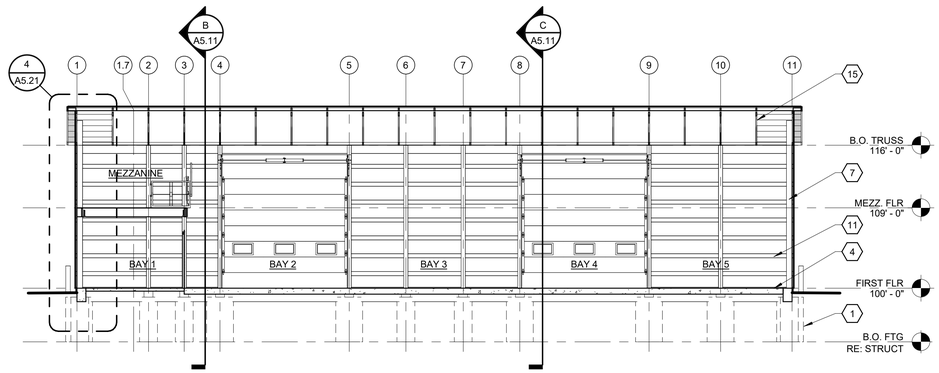
NORTH ELEVATION
1/A5.11 SCALE: 1/8" = 1'-0"



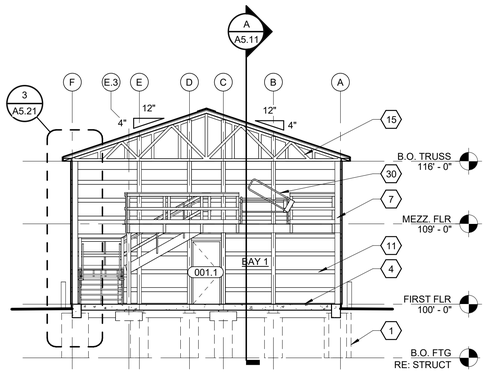
EAST ELEVATION
3/A5.11 SCALE: 1/8" = 1'-0"

SOUTH ELEVATION
2/A5.11 SCALE: 1/8" = 1'-0"

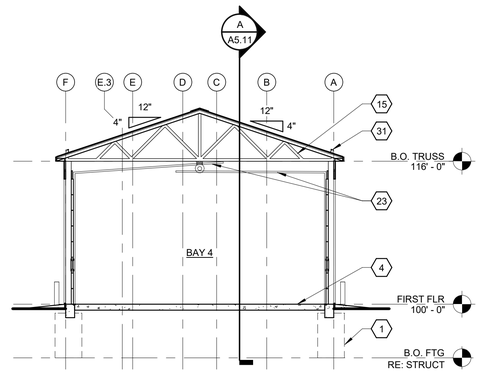
WEST ELEVATION
4/A5.11 SCALE: 1/8" = 1'-0"



A A5.11 BUILDING SECTION
SCALE: 1/8" = 1'-0"



B A5.11 BUILDING SECTION
SCALE: 1/8" = 1'-0"



C A5.11 BUILDING SECTION
SCALE: 1/8" = 1'-0"

MATERIAL KEYNOTE

1 POURED CONCRETE FOOTING PER STRUCT. DWGS.
2 COMPACTED GRANULAR FILL PER CIVIL DWGS.
3 FINISH GRADE. SLOPE AWAY FROM BUILDING PER CIVIL DWGS.
4 CONCRETE FLOOR SLAB ON VAPOR BARRIER PER STRUCT. DWGS.
5 SUPPORTED CONCRETE ENTRY SLAB PER STRUCT. DWGS.
6 PRESSURED TREATED 2x8 SKIRT BOARD.
7 PRESSURE TREATED TIMBER WOOD COLUMN PER STRUCT. DWGS.
8 CONCRETE FILLED PIPE BOLLARD PER CIVIL DWGS.
9 PRE-FINISHED FORMED METAL WALL PANELS (RE: SPEC.).
10 1/2" APA RATED WALL SHEATHING.
11 2x6 WOOD WALL GIRTS LAID FLAT @ 24" O.C.
12 HEADER PER STRUCT. DWGS.
13 VENTED ALUMIMUM SOFFIT SYSTEM.
14 PRE-ENGINEERED GABLE END TRUSS.
15 PRE-ENGINEERED WOOD TRUSSES @ 48" O.C.
16 1/2" APA RATED ROOF SHEATHING.
17 ASPHALT ROOF SHINGLES ON SHEET UNDERLAYMENT (RE: SPEC).
18 CONTINUOUS RIDGE VENT.
19 METAL WRAPPED FASCIA TRIM ON 2x6 CONTINUOUS FASCIA BOARD.
20 METAL WRAPPED RAKE TRIM ON 2x6 CONTINUOUS RAKE BOARD.
21 HOLLOW METAL DOOR AND FRAME, PAINT.
22 SECTIONAL OVERHEAD DOOR.
23 OFFSET MOTOR OPERATOR AND DRAW ARMS ATTACHED TO SECTIONAL DOOR PANEL. INSTALL HORIZONTAL TRACKS AS REQUIRED TO CLEAR EACH OTHER AT 14 FEET AT OHD LOCATIONS.
24 2x4 WOOD ROOF PURLINS @ 24" O.C. PERPENDICULAR TO TRUSSES PER STRUCT. DWGS.
25 SIMPSON TIE DOWN PER STRUCT. DWGS.
26 WOOD STAIR TREADS WITH OPEN RISERS AND STRINGER SUPPORTS ON BOTH SIDES AND MIDDLE.
27 WOOD GUARDRAIL SYSTEM, UNPAINTED.
28 1 1/2" DIAMETER HANDRAIL, UNPAINTED.
29 3/4" UNPAINTED APA RATED FLOOR SHEATHING ON 2x12 FLOOR JOISTS PER STRUCT. DWGS.
30 SAFETY SWING GATE SYSTEM WITH SIDE RAILS.
31 RAIN GUARD DIVERTER SYSTEM.
32 LIGHT FIXTURE PER ELEC. DWGS.
33 ELECTRICAL EQUIPMENT PER ELEC. DWGS.

NO.	REVISION	DATE
A2	ADDENDUM 2	11/2/26
	ISSUED FOR BIDS	10/09/26

STATE OF MICHIGAN
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DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
EXTERIOR ELEVATIONS & BUILDING SECTIONS

PROJECT NUMBER
2019131

SHEET NUMBER
A5.11

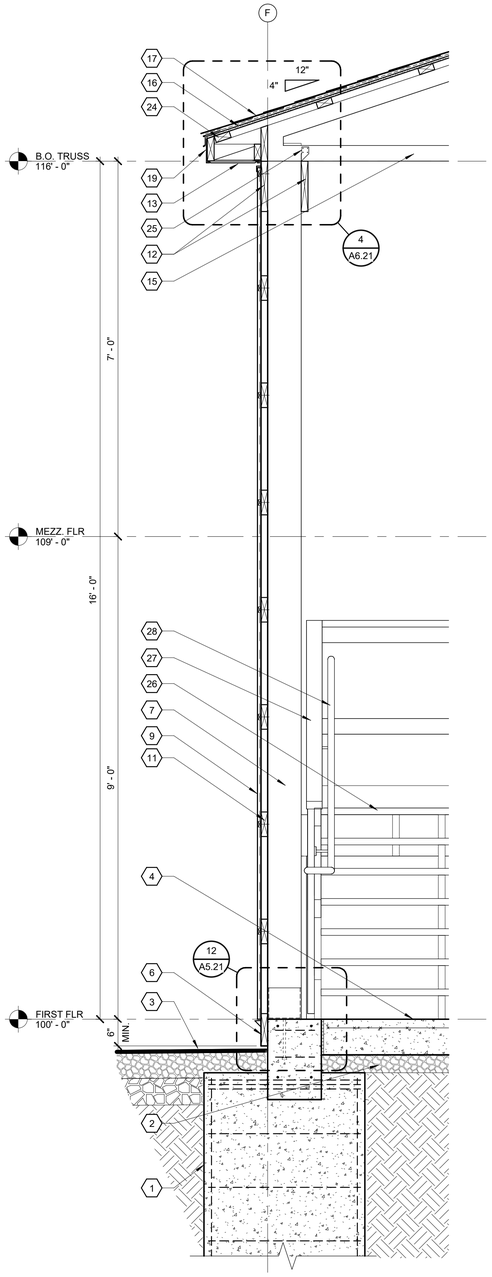
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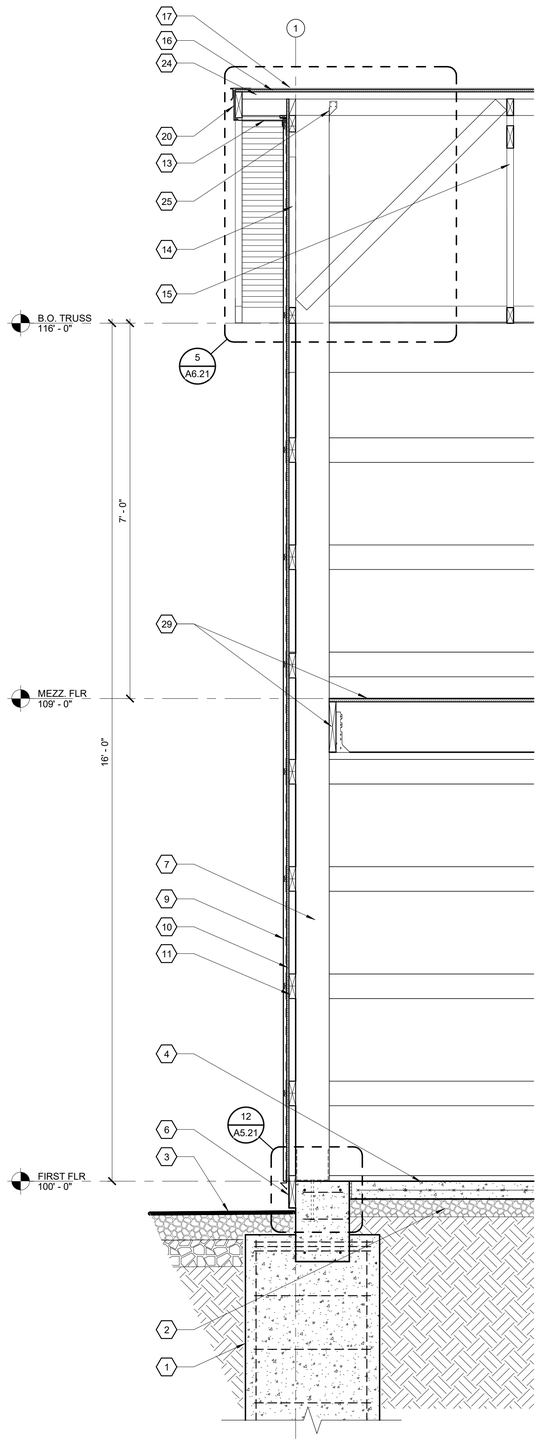
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DOOR SCHEDULE

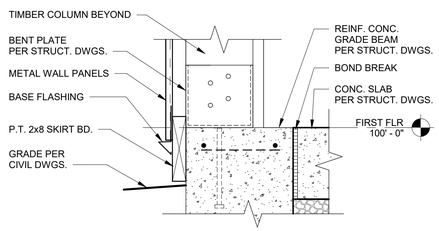
DOOR NUMBER		WIDTH	HEIGHT	THK.	DOOR PANEL TYPE	DOOR PANEL MAT.	DOOR PANEL FINISH	DOOR FRAME TYPE	DOOR FRAME MAT.	DOOR FRAME FINISH	DETAILS *=SIM. HEAD	DETAILS *=SIM. JAMB	DETAILS *=SIM. SILL	FIRE RATING LABEL	FIRE RATING MIN.	REMARKS	HW SET
FIRST FLR																	
001.1		3' - 0"	7' - 0"	1 3/4"	D1	H.M.	PT-1	F1	H.M.	PT-1	6/A5.21	8/A5.21	10/A5.21			PAINT DOOR & FRAME, PUNCH CODE KEY LOCK	01
002.1		14' - 0"	14' - 0"	3"	D2			-			5/A5.21	7/A5.21	9/A5.21			SECTIONAL OVERHEAD DOOR	02
002.2		14' - 0"	14' - 0"	3"	D2			-			5/A5.21	7/A5.21	9/A5.21			SECTIONAL OVERHEAD DOOR	02
004.1		14' - 0"	14' - 0"	3"	D2			-			5/A5.21	7/A5.21	9/A5.21			SECTIONAL OVERHEAD DOOR	02
004.2		14' - 0"	14' - 0"	3"	D2			-			5/A5.21	7/A5.21	9/A5.21			SECTIONAL OVERHEAD DOOR	02
005.1		3' - 0"	7' - 0"	1 3/4"	D1	H.M.	PT-1	F1	H.M.	PT-1	6/A5.21	8/A5.21	10/A5.21			PAINT DOOR & FRAME, PUNCH CODE KEY LOCK	01



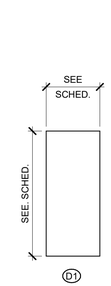
3 A5.21 WALL SECTION
SCALE: 3/4" = 1'-0"

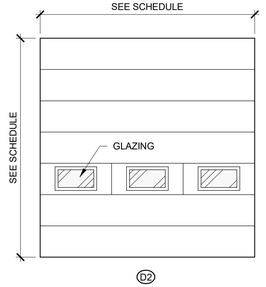


4 A5.21 WALL SECTION
SCALE: 3/4" = 1'-0"

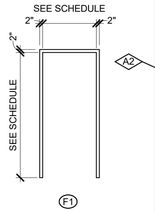


12 A5.21 TYP. BASE DETAIL
SCALE: 1 1/2" = 1'-0"

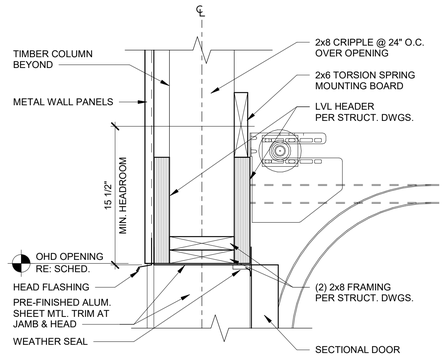




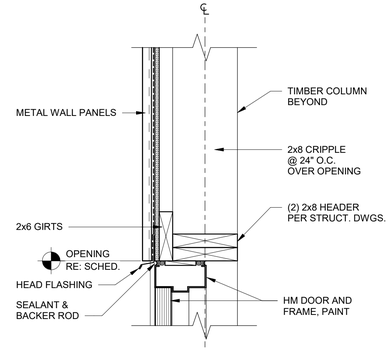
DOOR TYPES
1/4" = 1'-0"



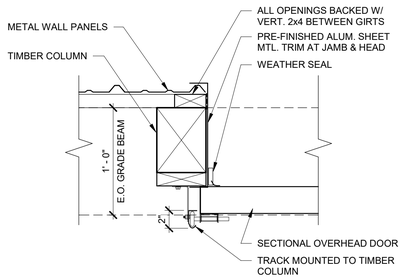
FRAME TYPES
1/4" = 1'-0"



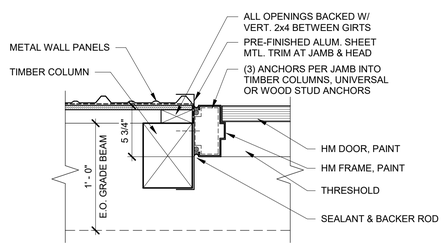
5 A5.21 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



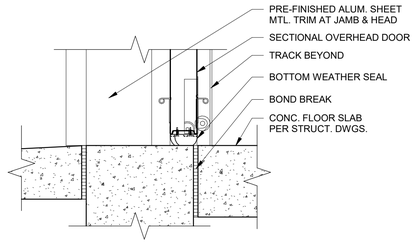
6 A5.21 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



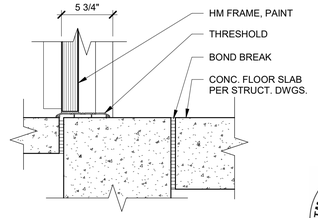
7 A5.21 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



8 A5.21 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



9 A5.21 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



10 A5.21 SILL DETAIL
SCALE: 1 1/2" = 1'-0"

MATERIAL KEYNOTE

#	
1	POURED CONCRETE FOOTING PER STRUCT. DWGS.
2	COMPACTED GRANULAR FILL PER CIVIL DWGS.
3	FINISH GRADE. SLOPE AWAY FROM BUILDING PER CIVIL DWGS.
4	CONCRETE FLOOR SLAB ON VAPOR BARRIER PER STRUCT. DWGS.
5	SUPPORTED CONCRETE ENTRY SLAB PER STRUCT. DWGS.
6	PRESSURED TREATED 2x8 SKIRT BOARD.
7	PRESSURE TREATED TIMBER WOOD COLUMN PER STRUCT. DWGS.
8	CONCRETE FILLED PIPE BOLLARD PER CIVIL DWGS.
9	PRE-FINISHED FORMED METAL WALL PANELS (RE: SPEC.).
10	1/2" APA RATED WALL SHEATHING.
11	2x6 WOOD WALL GIRTS LAID FLAT @ 24" O.C.
12	HEADER PER STRUCT. DWGS.
13	VENTED ALUMIMUM SOFFIT SYSTEM.
14	PRE-ENGINEERED GABLE END TRUSS.
15	PRE-ENGINEERED WOOD TRUSSES @ 48" O.C.
16	1/2" APA RATED ROOF SHEATHING.
17	ASPHALT ROOF SHINGLES ON SHEET UNDERLAYMENT (RE: SPEC.).
18	CONTINUOUS RIDGE VENT.
19	METAL WRAPPED FASCIA TRIM ON 2x6 CONTINUOUS FASCIA BOARD.
20	METAL WRAPPED RAKE TRIM ON 2x6 CONTINUOUS RAKE BOARD.
21	HOLLOW METAL DOOR AND FRAME, PAINT.
22	SECTIONAL OVERHEAD DOOR.
23	OFFSET MOTOR OPERATOR AND DRAW ARMS ATTACHED TO SECTIONAL DOOR PANEL. INSTALL HORIZONTAL TRACKS AS REQUIRED TO CLEAR EACH OTHER AT 14 FEET AT OHD LOCATIONS.
24	2x4 WOOD ROOF PURLINS @ 24" O.C. PERPENDICULAR TO TRUSSES PER STRUCT. DWGS.
25	SIMPSON TIE DOWN PER STRUCT. DWGS.
26	WOOD STAIR TREADS WITH OPEN RISERS AND STRINGER SUPPORTS ON BOTH SIDES AND MIDDLE.
27	WOOD GUARDRAIL SYSTEM, UNPAINTED.
28	1 1/2" DIAMETER HANDRAIL, UNPAINTED.
29	3/4" UNPAINTED APA RATED FLOOR SHEATHING ON 2x12 FLOOR JOISTS PER STRUCT. DWGS.
30	SAFETY SWING GATE SYSTEM WITH SIDE RAILS.
31	RAIN GUARD DIVERTER SYSTEM.
32	LIGHT FIXTURE PER ELEC. DWGS.
33	ELECTRICAL EQUIPMENT PER ELEC. DWGS.

NO.	REVISION	DATE
A2	ADDENDUM 2	11/2/26
	ISSUED FOR BIDS	10/09/26

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
DEPARTMENT OF TECHNOLOGY, MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION
DESIGN AND CONSTRUCTION DIVISION
ADAM P. LACH, RA, DIRECTOR

FILE NO.
751/19193.SMD

INDEX NO.
5603

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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
WALL SECTIONS, DETAILS & SCHEDULES

PROJECT NUMBER
2019131

PROJECT DATE
OCTOBER 9, 2026

CHECKED BY
J.R.G.

SHEET NUMBER
A5.21

DEPARTMENT OF NATURAL RESOURCES · DNR · MICHIGAN ·

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ATTIC VENTILATION REQUIREMENTS:

ATTIC FLOOR AREA:	80 FEET X 30 FEET = 2,400 SQ.FT.
TOTAL NET FREE AREA:	2,304 SQ.IN. (16.0 SQ.FT.)
MINIMUM INTAKE (SOFFIT):	1,152 SQ.IN.
REQUIRED INTAKE (SOFFIT):	1,152 SQ.IN. / 50 SQ.IN. PER VENT = 23 QTY
PROVIDED INTAKE (SOFFIT):	24 QTY
MINIMUM EXHAUST (RIDGE/ROOF):	1,152 SQ.IN.
REQUIRED EXHAUST (RIDGE/ROOF):	1,152 SQ.IN / 18 IN./FT. = 64 FEET REQUIRED
PROVIDED EXHAUST (RIDGE/ROOF):	80 FEET

GENERAL ROOF PLAN NOTES:

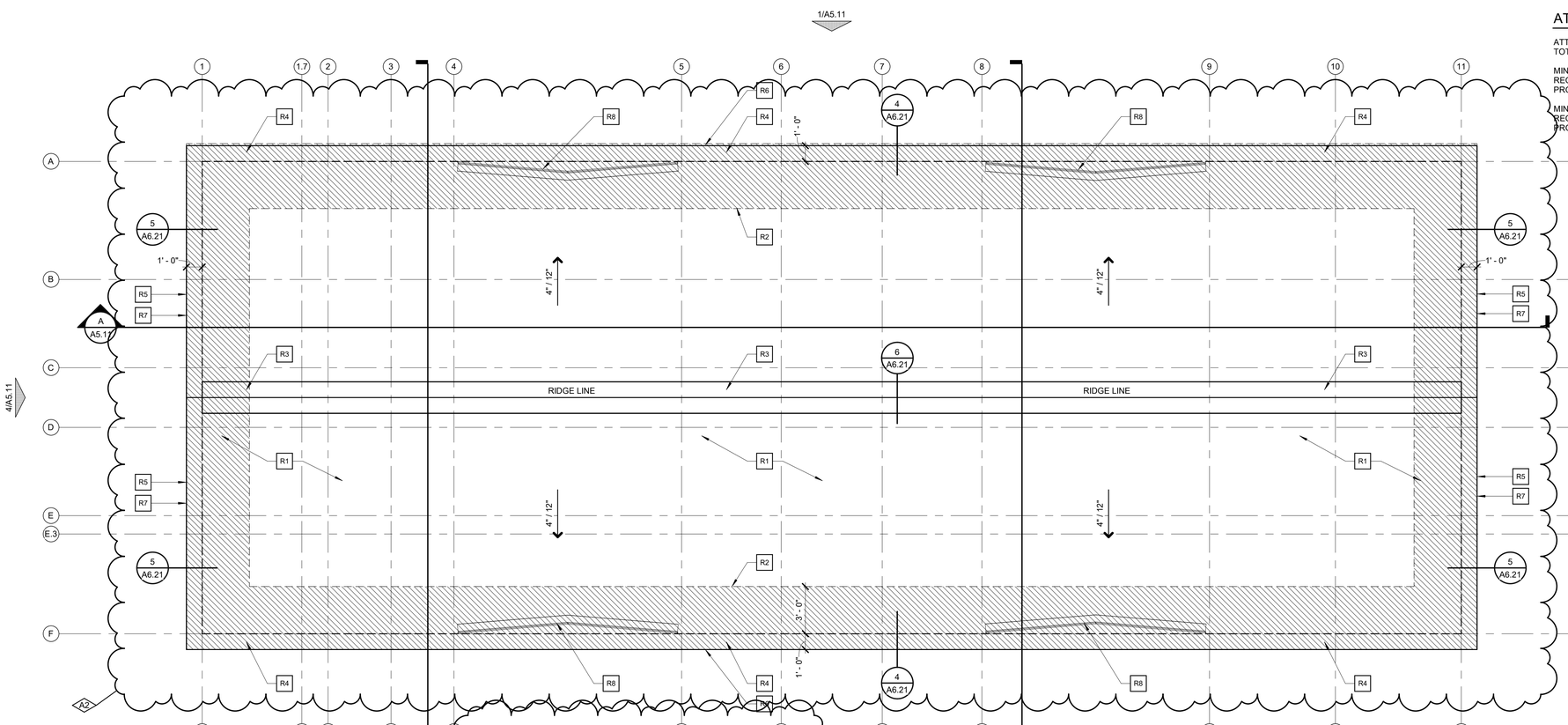
1. PROVIDE FLASHING IN ACCORDANCE WITH ROOF MANUFACTURER'S RECOMMENDATIONS AT ALL ROOF EDGES.

R# ROOF PLAN KEYNOTES

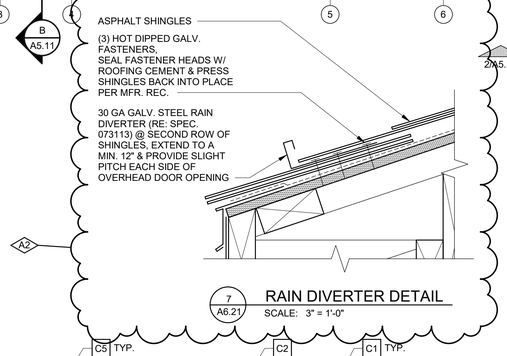
1 ASPHALT ROOF SHINGLES ON 15# FELT UNDERLAYMENT ON 1/2" APA RATED ROOF SHEATHING (RE: SPECS.).
2 SELF-ADHERED PEEL AND STICK ICE AND WATER SHIELD UNDERLAYMENT OVER SHEATHING.
3 CONTINUOUS RIDGE VENT.
4 VENTED ALUMIMUM SOFFIT SYSTEM (RE: SECTIONS).
5 RUN ICE AND WATER SHIELD AND FELT UNDERLAYMENT OVER RAKE TRIM MIN. 1/2". INSTALL DRIP EDGE ON TOP OF UNDERLAYMENT AT RAKE EDGE.
6 PRE-FINISHED METAL DRIP EDGE BELOW UNDERLAYMENT AT EAVE EDGE.
7 PRE-FINISHED ALUMINUM TRIM OVER FASCIA AND RAKE BOARDS.
8 RAIN GUARD DIVERTER SYSTEM.

C# CEILING KEYNOTES

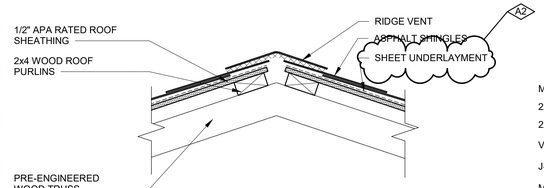
1 EXPOSED PRE-ENGINEERED WOOD TRUSSES.
2 LIGHT FIXTURE PER ELEC. DWGS.
3 EXPOSED WOOD FLOOR JOISTS PER STRUCT. DWGS.
4 CORD REEL RECEPTACLE MOUNTED TO B.O. TRUSS PER ELEC. DWGS.
5 VENTED ALUMINUM SOFFIT PANEL.



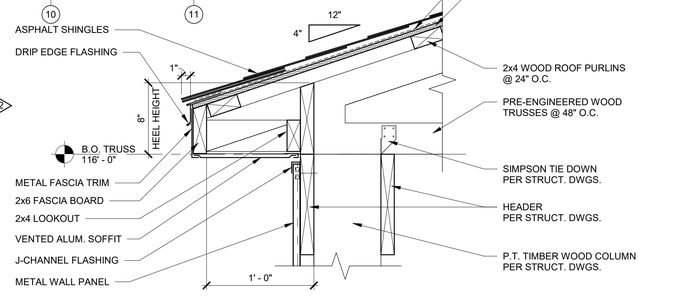
1 A6.21 ROOF PLAN
NORTH
SCALE: 1/4" = 1'-0"



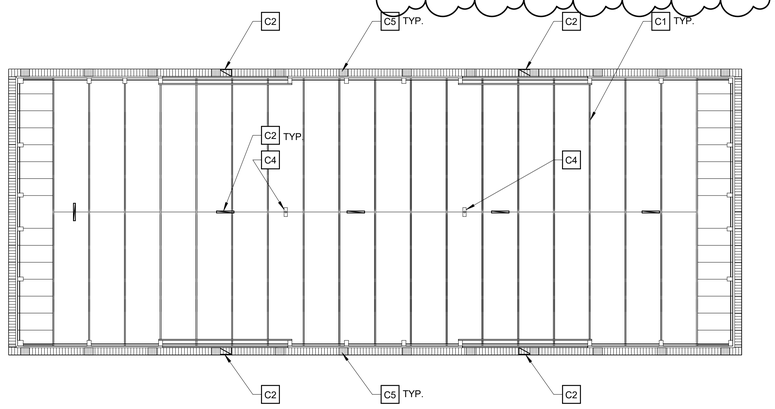
7 A6.21 RAIN DIVERTER DETAIL
SCALE: 3" = 1'-0"



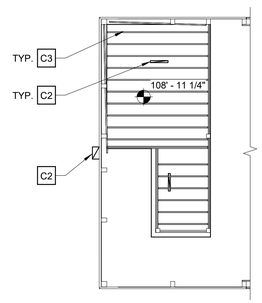
6 A6.21 RIDGE VENT DETAIL
SCALE: 1 1/2" = 1'-0"



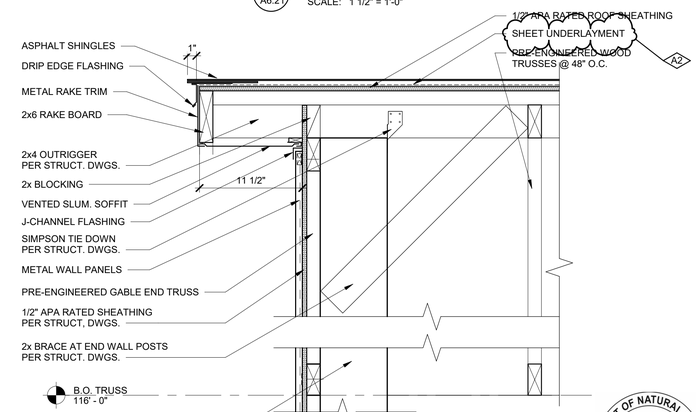
4 A6.21 EAVE DETAIL
SCALE: 1 1/2" = 1'-0"



2 A6.21 FIRST FLOOR CEILING PLAN
NORTH
SCALE: 1/8" = 1'-0"



3 A6.21 PARTIAL MEZZANINE CEILING PLAN
NORTH
SCALE: 1/8" = 1'-0"



5 A6.21 RAKE DETAIL
SCALE: 1 1/2" = 1'-0"

NO.	REVISION	DATE
A2	ADDENDUM 2	11/2/26
	ISSUED FOR BIDS	10/09/26

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PROJECT TITLE
NEW STORAGE BUILDING FOR:
BELLE ISLE STATE PARK
DETROIT, MICHIGAN

SHEET TITLE
ROOF PLAN, CEILING PLANS & DETAILS

PROJECT NUMBER
2019131

PROJECT DATE
OCTOBER 9, 2026

CHECKED BY
J.R.G.

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A6.21

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