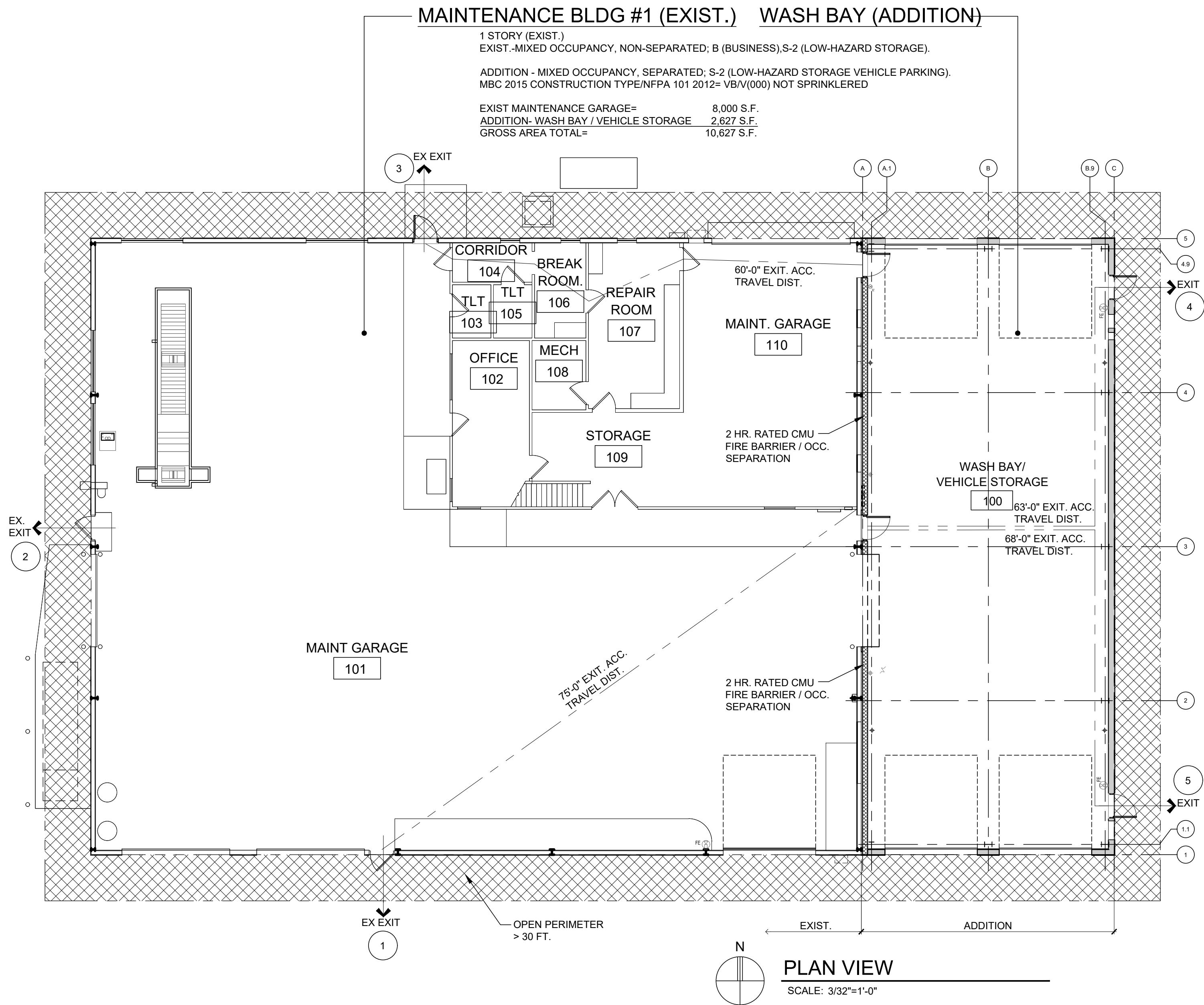




FIRE RESISTANCE RATING REQUIREMENTS	
MBC/NFPA CONSTRUCTION TYPE - IIB	
BUILDING ELEMENT	FIRE RATINGS (MBC TABLE 601/602)
PRIMARY STRUCTURAL FRAME	0 HOUR
BEARING WALLS:	
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NON-BEARING WALLS AND PARTITIONS:	
EXTERIOR	X < 5 (1 HOUR), 5 < X < 10 (1 HOUR), 10 ≤ X < 30 (0 HOUR), X ≥ 30 (0 HOUR)
INTERIOR	0 HOUR
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0 HOUR
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0 HOUR
WALL REQUIREMENTS	FIRE RATING REQUIREMENTS
FURNACE ROOM W/ ANY PIECE OF EQUIP. OVER 400,000 BTU/HR INPUT	ONE HOUR* (MBC TABLE 509)
ROOMS W/ BOILERS WHERE LARGEST PIECE OF EQUIP. IS OVER 15 PSI AND 10 HP	ONE HOUR* (MBC TABLE 509)
CORRIDOR WALLS (FIRE PARTITION)	0 HOUR* (PER MBC TABLE 1020.1) W/ < 30 OCC.
CORRIDOR WALLS (FIRE PARTITION)	ONE HOUR* (PER MBC TABLE 1020.1) W/ > 30 OCC.
FIRE BARRIERS (OTHER)	(PER MBC SEC. 707.3)
INCIDENTAL USES	ONE HOUR* (PER MBC TABLE 509)
OCCUPANCY SEPARATION	TWO HR. (NON-SPRINKLERED)
* ZERO HOUR WHEN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED WHEN PERMITTED PER CODE.	

DEFERRED DOCUMENTS STATEMENT	
PLAN REVIEW ITEM NO. AND/OR SPECIFICATION SECTION NO.	DESCRIPTION OF DEFERRED ITEMS THAT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CONTRACTOR TO THE JURISDICTION HAVING AUTHORITY.
DIVISION 07 83 00-	FIRESTOPPING SYSTEMS (JOINTS AND PENETRATIONS) SHOP DRAWINGS
DIVISION 13 34 00-	PREENGINEERED METAL BUILDING SYSTEM SHOP DRAWINGS
DIVISION 26 00 00-	FIRE ALARM SYSTEM SHOP DRAWINGS

CODE DATA	
JURISDICTION:	MICHIGAN DEPARTMENT OF TRANSPORTATION GLADWIN COUNTY
BUILDING CODE:	MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS INCORPORATING MICHIGAN BUILDING CODE - 2015 AND NFPA 101- 2012 (AS APPLICABLE), ADDITION
MBC CONSTRUCTION TYPE: OCC. GROUP:	IIB MIXED OCCUPANCY SEPARATED (B)(S-1, S-2)
RISK CATEGORY:	II
PLUMBING CODE:	MICHIGAN PLUMBING CODE - 2021
MECHANICAL CODE:	MICHIGAN MECHANICAL CODE - 2021
ELECTRICAL CODE:	MICHIGAN ELECTRICAL CODE - 2023, INCORPORATING THE 2023 NEC W/ MICHIGAN PART 8 RULES
FIRE CODE:	INTERNATIONAL FIRE CODE- 2021
ENERGY CODE:	ASHRAE STANDARD 90.1-2019 W/ 2021 MICHIGAN ENERGY CODE (COMMERCIAL) W/ PART 10A AMENDMENTS
FIRE SUPPRESSION:	N/A
FIRE ALARM:	NFPA 72-2019
FIRE EXTINGUISHERS:	NFPA 10-2019
ACCESSIBILITY:	N/A PER MBC. SEC. 1103.2.2
SPACES WITH ONE EXIT: (MBC TABLE 1006.2.1)	MAX. OCC. LOAD S-2 OCC. ≤ 29 MAX. ≤ 29 MAX.
MAX. EXIT ACCESS TRAVEL DIST.	MAX. EXIT ACCESS TRAVEL DIST. S-2 OCC. 100 FT. (≤ 30 OCC., NOT SPRINKLERED) 75 FT. (> 30 OCC., NOT SPRINKLERED)
NUMBER OF EXITS (STORY): (MBC TABLE 1006.3.1)	2 PER STORY 1-500 OCC.
STORIES WITH ONE EXIT/EXIT ACCESS: (MBC. TABLE 1006.3.2(2))	MAX. OCC. LOAD S-2 OCC. 29 MAX.
MAX. EXIT ACCESS TRAVEL DIST.:	MAX. COMM. PATH EGRESS/EXIT ACCESS TRAVEL DIST. (WHEN SINGLE EXIT) S-2 OCC. 75 FT. (NOT SPRINKLERED)
MAX. EXIT ACCESS TRAVEL DIST.:	(MBC TABLE 1017.2) S-2 OCC. (NOT SPRINKLERED) = 300 FT.
CORRIDOR WIDTH:	(MBC SECTION 1020.2, MBC TABLE 1020.2) OCC. LOAD < 50 = 36 INCHES ALL OTHER = 44 INCHES
DEAD END CORRIDOR:	(MBC SECTION 1020.4) 20 FT. (NOT SPRINKLERED)
REQUIRED EXIT WIDTH (STAIRS / OTHER): (MBC SECTION 1011 OR PER MIN. PER 1005.3.1 AND 1009)	STAIRS = N/A OTHER = 0.2 INCH/OCC. (NOT SPRINKLERED, REFER TO OCC. LOAD CALCULATIONS)
FIRE AREA SEPARATION	MBC SECTION 903.2.10.1.5 5,000 S.F. (NON-SPRINKLERED) FOR COMMERCIAL PARKING GARAGES

DESIGN OCCUPANT LOAD CALCULATIONS				
ROOM NO.	ROOM NAME	ACTUAL FLOOR AREA (GROSS, U.N.O.)	FLOOR AREA PER OCC. (GROSS, U.N.O.)	OCC. LOAD
100	WASH BAY	2,453 S.F.	200 S.F.	13
101	MAINTENANCE GARAGE	5964 S.F.	200 S.F.	30
102	OFFICE	216 S.F.	100 S.F.	3
103	TOILET	35 S.F.	50 S.F.	1
104	CORRIDOR	53 S.F.	100 S.F.	1
105	TOILET	35 S.F.	50 S.F.	1
106	BREAK ROOM	82 S.F.	15 S.F.	6
107	REPAIR ROOM	254 S.F.	100 S.F.	3
108	MECHANICAL	63 S.F.	300 S.F.	1
109	STORAGE	215 S.F.	300 S.F.	1
110	MAINTENANCE GARAGE	254 S.F.	200 S.F.	2
SUBTOTAL OCCUPANTS =				62
EGRESS WIDTH PER OCCUPANT SERVED (PER MBC TABLE 1005.1) STAIRWAYS: N/A OTHER EGRESS COMPONENTS: 0.2 INCHES PER OCCUPANT (NOT SUPPRESSED)				

DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE	
SIDOCK GROUP , INC. TIMOTHY J. MILLER, AIA, NCARB STATE OF MICHIGAN LICENSE NUMBER #1301071719/ EXP. 10/1/2025	

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE MICHIGAN CONSTRUCTION CODES AND GUIDELINES IN EFFECT AT THE TIME OF PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES, ISSUED AND APPROVED CODE MODIFICATIONS AND/OR LOCAL JURISDICTION CONSTRUCTION BOARDS OF APPEALS RULINGS AND, WHENEVER REQUIRED, SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.



Sidock Group

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Lansing • Gaylord • Sault Ste. Marie
Wellsboro, PA • Tampa, FLA

www.sidockgroup.com

Key Plan: No Scale

Client:

**GLADWIN CITY
COUNTY TRANSIT**

Project:

**GLADWIN
TRANSPORTATION
MAINTENANCE
BLDG. ADDITION**

621 WEAVER CT
GLADWIN, MI

Seal:



Date: 4/28/25

Issued For: BIDS/PERMITS

Drawn: AM

Checked: TM

Approved: TM

Sheet Title:

**CODE ANALYSIS /
LIFE SAFETY**

Project Number: 521558

Sheet Number: **CS-001**

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WATER AND SEWER SYMBOLS	UNDERGROUND UTILITY LINSTYLES		PLAN SHEET PATTERNS		DESIGN CRITERIA						
	OVERHEAD UTILITY LINSTYLES		TYPICAL SECTION PATTERNS		UTILITY CONTACT LIST						
MISCELLANEOUS SYMBOLS	ROW AND PROPERTY LINSTYLES		REMOVAL / DEMOLITION PATTERNS		SPECIAL LEGEND THIS PROJECT						
	OTHER LINSTYLES		REAL ESTATE & SURVEY SYMBOLS								
NOTE: PROPOSED LINSTYLES AND SYMBOLS ARE THE SAME AS EXISTING EXCEPT BOLD											
UTILITY SYMBOLS											
LEGEND											

SA

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CB

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MAILBOX

SIGN WITH ONE POST

SIGN WITH TWO POSTS

RIPRAP

CONIFER TREE

DECIDUOUS TREE

SHRUB

ABANDON

BULKHEAD

CLEARING

REMOVAL

ADJUST

RELOCATE

SALVAGE

TRAFFIC FLOW ARROW

TEST HOLE NUMBER

UTILITY SYMBOLS

ELECTRICAL, GUY OR TELEPHONE POLE

ELECTRICAL MANHOLE

ELECTRICAL HANDHOLE

ELECTRICAL TRANSFORMER BOX

ELECTRIC & LIGHT POLE

LIGHT POLE

LIGHT STANDARD

GENERIC UTILITY MANHOLE

TELEPHONE MANHOLE

TELEPHONE PEDESTAL

GAS LINE, PETROLEUM OR FIBER OPTIC MARKER

GAS VALVE

GUY ANCHOR

E

E

GAS

GAS

OIL

OIL

T

T

CTV

CTV

FO

FO

WM

WM

OH-E

OH-E

OH-TEL

OH-TEL

OH-CTV

OH-CTV

ROW

CITY LIMITS LINE

HEDGE LINE

TREE LINE

FENCE

GUARDRAIL

DRAINAGE COURSE

CULVERT/STORM SEWER

SANITARY SEWER

SWAMP AREA

REM CURB OR CURB & GUTTER

ELECTRIC LINE

NATURAL GAS LINE

OIL PIPELINE

TELEPHONE LINE

CABLE TV LINE

FIBER OPTICS LINE

WATER MAIN

ELECTRIC LINE OVERHEAD

TELEPHONE LINE OVERHEAD

CABLE TV LINE OVERHEAD

CONCRETE PAVEMENT

HMA PAVEMENT (ALL)

AGGREGATE BASE

CLASS II SUB-BASE

REMOVING SIDEWALK

REMOVING PAVEMENT

SECTION CORNER

QUARTER CORNER

QUARTER QUARTER CORNER

HALF SECTION CORNER

HALF QUARTER CORNER

PROPERTY CORNER

REFERENCE MARKER

CONTROL POINT

BENCH MARK

PRESERVE MONUMENT BOX

PROTECT MONUMENT CORNERS

PROPERTY OWNERSHIP ARROW

CONTIGUOUS PROPERTY SYMBOL

PARCEL NUMBER BOX

ADT (YEAR)

ADT PROJECTED (YEAR + 20)

POSTED SPEED

DESIGN SPEED

X,XXX

X,XXX

XX MPH

XX MPH

APPLICABLE STANDARDS

R-28-I SIDEWALK RAMP AND DETECTABLE WARNING DETAILS

R-29-I DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK

R-30-G CONCRETE CURB AND CONCRETE CURB & GUTTER

UTILITY CONTACT LIST

THE UTILITIES LISTED BELOW AND SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO BE SATISFIED AS TO IT'S ACCURACY AND THE LOCATION OF EXISTING UTILITIES.

OWNER

CONSUMERS ENERGY
2400 WEISS STREET
SAGINAW, MI 48602
PHONE: 989-791-5869

SPECTRUM
5815 BAY ROAD
SAGINAW, MI 48604
PHONE: 989-874-2389

GLADWIN COUNTY ROAD COMMISSION
301 S. STATE STREET
GLADWIN, MI 48624
ATTENTION: DAVE PETERSCH
PHONE: 989-426-7441

CITY OF GLADWIN
1000 W. CEDAR AVENUE
GLADWIN, MI 48624
ATTENTION: TOM MOLSKI
PHONE: 989-426-6943

UTILITY

GAS & ELECTRIC

CATV & TELEPHONE

COUNTY ROADS

SEWER, WATER & STORM

SG

Sidock Group

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Novi • Wyandotte • Muskegon
Lansing • Gaylord • Sault Ste. Marie
Wellsboro, PA • Tampa, FLA

www.sidockgroup.com

Key Plan: No Scale

Client:

GLADWIN CITY AND COUNTY TRANSIT

Project:

GLADWIN TRANSPORTATION MAINTENANCE ADDITION

621 WEAVER CT
GLADWIN, MI

Seal:

STATE OF MICHIGAN

JEFFREY MARTIN

REGISTERED PROFESSIONAL ENGINEER

6201039173

Date

4/28/25

Issued For

BIDS/PERMITS

Drawn:

TJR

Checked:

JMM

Approved:

JMM

Sheet Title:

LEGEND

Project Number:

521558

Sheet Number:

C-101

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Client:
**GLADWIN CITY
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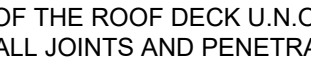
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Checked: TM
Approved: TM

Sheet Title:
ROOF PLAN

Project Number: 521558

Sheet Number: **A-109**

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ROOF PLAN LEGEND	
	D.S.
	GUTTER W/ DOWNSPOUT
	H.P. / L.P.
	HIGH POINT (H.P.) / LOW POINT (L.P.)
ROOF PLAN WALL LEGEND	
	OUTLINE OF EXTERIOR WALL SEE FLOOR PLAN
	2 HR. RATED FIRE BARRIER
NOTE: EXTEND 2 HR. RATED ASSEMBLY TO THE UNDERSIDE OF THE ROOF DECK U.N.O. (REFER TO SECTIONS), FIRE STOP ALL JOINTS AND PENETRATIONS W/ LISTED ASSEMBLY.	

- | ROOF NOTES | |
|------------|---|
| 1. | CONTRACTOR TO COORDINATE LOCATION OF ALL EXHAUST AND INTAKE LOUVERS INCLUDING BATHROOM/ TOILET ROOM EXHAUST FANS, ETC. W/ MECHANICAL DRAWINGS. |
| 2. | NO MEP PENETRATIONS OF THE ROOF SYSTEM. ALL MEP PENETRATIONS TO TERMINATE THROUGH THE PEMB EXTERIOR WALLS. |
| 3. | ALL EXTERIOR METAL TO BE GALVANIZED, FACTORY PRIMED AND PAINTED PER THE PAINTING SCHEDULE. |
| 4. | SNOW/ ICE RETENTION AT METAL ROOF AREAS INDICATED FOR GENERAL DESIGN INTENT. CONTRACTOR RESPONSIBLE FOR COORDINATION AND VERIFICATION OF LOCATION AND QUANTITY W/ ROOFING MANUFACTURER. |

