GENERAL NOTES:

1. MATERIALS

	ASTM DESCRIPTION
STRUCTURAL STEEL PLATE	A529 / A572 / A1011
HOT ROLLED MILL SHAPES	A36 / A529 / A500
HHS ROUND	A500
HHS RECTANGULAR	A500
COLD FORM SHAPES	A653 / A1011
ROOF AND WALL SHEETING	A653 / A792
BOLTS	A307 / A325 / A490
CABLE	A475
RODS	A529 / A572

2. STRUCTURAL PRIMER NOTE:

SHOP COAT PRIMER IS INTENDED TO PROTECT THE STEEL FRAMING FOR A SHORT PERIOD OF TIME. STORAGE IN EXTREME COLD TEMPERATURES OR WINTER SNOW CONDITIONS, INCLUDING TRANSPORTATION ON SALTED OR CHEMICALLY TREATED ROADS WILL ADVERSELY AFFECT THE DURABILITY AND LONGEVITY OF THE PRIMER. THE COAT OF SHOP PRIMER DOES NOT PROVIDE THE UNIFORMITY OF APPEARANCE, OR THE DURABILITY AND CORROSION RESISTANCE OF A FIELD APPLIED FINISH COAT OF PAINT OVER A SHOP PRIMER. MINOR ABRASIONS TO THE SHOP COAT PRIMER CAUSED BY HANDLING, LOADING, SHIPPING, UNLOADING AND ERECTION ARE UNAVOIDABLE AND ARE NOT THE RESPONSIBILITY OF THE METAL BUILDING MANUFACTURER. METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DETERIORATION OF THE PRIMER OR CORROSION THAT MAY RESULT FROM ATMOSPHERIC AND ENVIRONMENTAL CONDITIONS NOR THE COMPATIBILITY OF THE PRIMER TO ANY FIELD APPLIED COATING.

3. BUILDING ERECTION NOTES:

THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND EITHER MBMA OR CSA S16 STANDARDS PERTAINING TO PROPER ERECTION. TEMPORARY SUPPORTS SUCH AS GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS FOR ERECTION ARE TO BE DETERMINED, FURNISHED AND INSTALLED BY THE ERECTOR. THESE SUPPORTS MUST SECURE THE STEEL FRAMING, OR PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED IN ADDITION TO LOADS RESULTING FROM THE ERECTION OPERATION. SECONDARY WALL AND ROOF FRAMING (PURLINS, GIRTS AND/OR JOIST) ARE NOT DESIGNED TO FUNCTION AS A WORKING PLATFORM OR TO PROVIDE AS AN ANCHORAGE POINT FOR A FALL ARREST /SAFETY TIE OFF.

4. SPECIAL INSPECTION:

SPECIAL INSPECTIONS AND TESTING THAT MAY BE REQUIRED BY GOVERNMENTAL OR OTHER AUTHORITY DURING CONSTRUCTION AND/OR STEEL FABRICATION (COLLECTIVELY, "INSPECTIONS") ARE NOT THE RESPONSIBILITY OF THE PEMB MANUFACTURER, AND TO THE EXTENT REQUIRED IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND/OR THE OWNER'S REPRESENTITIVE. IN THE EVENT INSPECTIONS ARE REQUIRED, THE OWNER AND/OR THE OWNER'S REPRESENTITIVE SHALL EMPLOY A THIRD PARTY QUALITY ASSURANCE TESTING AGENCY APPROVED BY THE RELEVANT AUTHORITY. IF SUCH REQUIREMENTS ARE NOT SPECIFICALLY INCLUDED IN THE PEMB MANUFACTURER'S SALES DOCUMENTS, NO INSPECTIONS BY THE PEMB MANUFACTURER OR AT THE PEMB MANUFACTURER'S FACILITY SHALL BE MADE. THE PEMB MANUFACTURER'S FACILITIES ARE ACCREDITED BY IAS AC472.

5. A325 & A490 BOLT TIGHTENING REQUIREMENTS:

IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE REGULATIONS. FOR PROJECTS IN THE UNITED STATES, SEE THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS OR FOR PROJECTS IN CANADA, SEE THE CAN/CSA S16 LIMIT STATES DESIGN OF STEEL STRUCTURES FOR MORE INFORMATION.

THE FOLLOWING CRITERIA MAY BE USED TO DETERMINE THE BOLT TIGHTNESS (I.E., "SNUG-TIGHT" OR "FULLY-PRETENSIONED"), UNLESS REQUIRED OTHERWISE BY LOCAL JURISDICTION OR CONTRACT REQUIREMENTS:

A) ALL A490 BOLTS SHALL BE "FULLY-PRETENSIONED".
B) ALL A325 BOLTS IN PRIMARY FRAMING (RIGID FRAMES AND BRACING) MAY BE "SNUG-TIGHT", EXCEPT AS FOLLOWS: "FULLY-PRETENSION" A325 BOLTS IF:
   a) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5 TONS.
   b) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT, OR STRESS-REVERSALS ON THE CONNECTIONS. THE ENGINEER-OF-RECORD FOR THE PROJECT SHOULD BE CONSULTED TO EVALUATE FOR THIS CONDITION.
   c) THE PROJECT SITE IS LOCATED IN A HIGH SEISMIC AREA. FOR IBC-BASED CODES, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF 'D', 'E', OR 'F'. SEE THE "BUILDING LOADS" SECTION ON THIS PAGE FOR THE DEFINED SEISMIC DESIGN CATEGORY FOR THIS PROJECT.
   d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A325-SC". "SLIP-CRITICAL (SC)" CONNECTIONS MUST BE FREE OF PAINT, OIL, OR OTHER MATERIALS THAT REDUCE FRICTION AT CONTACT SURFACES. GALVANIZED OR LIGHTLY-RUSTED SURFACES ARE ACCEPTABLE.
C) IN CANADA, ALL A325 AND A490 BOLTS SHALL BE "FULLY-PRETENSIONED", EXCEPT FOR SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACES.

SECONDARY MEMBERS (PURLINS, GIRTS, OPENING FRAMING, ETC.) AND FLANGE BRACE CONNECTIONS MAY ALWAYS BE "SNUG-TIGHT", UNLESS INDICATED OTHERWISE IN THESE DRAWINGS.

6. GENERAL DESIGN NOTES:

1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" OR THE CAN/CSA S16 "LIMIT STATES DESIGN OF STEEL STRUCTURES", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON EITHER AWS D1.1 "STRUCTURAL WELDING CODE – STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH ANSI/AISI S100 OR CAN/CSA S136 "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE – SHEET STEEL" OR CAN/CSA W59 "WELDED STEEL CONSTRUCTION (METAL ARC WELDING)", AS REQUIRED BY THE SPECIFIED BUILDING CODE.
5) ALL NUCOR BUILDING GROUP FACILITIES ARE IAS AC-472 ACCREDITED FOR DESIGN AND FABRICATION OF METAL BUILDING SYSTEMS. FOR PROJECTS IN CANADA, DESIGN AND FABRICATION ARE DONE ONLY IN FACILITIES THAT ARE ALSO CAN/CSA A660 AND W47.1 CERTIFIED.
6) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARDS FOR STEEL ERECTION, DATED JANUARY 18, 2001.
7) COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED THE ALLOWABLE BEARING STRESS OF CONCRETE THAT HAS A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT 28 DAYS.

BUILDING INFORMATION

PRIMER COLORS

PRIMARY PRIMER COLOR: GRAY SECONDARY PRIMER COLOR: GRAY

ROOF SHEETING

TYPE: SS3 GAUGE: 24 FINISH: Royal Blue PVDF CLIP TYPE: Short
THERMAL BLOCKS: No EPS FOAM SPACER: No ROOF LINE TRIM, PAINTED: Royal Blue PVDF
YES☒ NO☐ DOWNSPOUTS PAINTED: Royal Blue PVDF GUTTERS PAINTED: Royal Blue PVDF
YES☒ NO☐ INSULATION 3.75 INCH (NOT BY MBS)
YES☐ NO☒ PIPE JACKS, SIZE: ______ QUANTITY: ______
YES☐ NO☒ RIDGE VENTS, 10'-0" LONG X 9" THROAT. QUANTITY: ______
YES☐ NO☒ ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
YES☐ NO☒ COMPOSITE SS3 DECK, TYPE: ______ GAUGE: ______ FINISH: ______

WALL SHEETING

TYPE: RPW GAUGE: 26 FINISH: Pearl Gray PVDF
CORNER TRIM, PAINTED: Pearl Gray PVDF BASE TRIM, PAINTED: Pearl Gray PVDF
YES☐ NO☒ WALKDOORS, QUANTITY: ______ PAINTED: ______
YES☐ NO☒ WINDOWS, QUANTITY: ______ PAINTED: ______
YES☐ NO☒ INSULATION ___ INCH (NOT BY MBS)

WALL FRAMED OPENINGS

YES☐ NO☒ FRAMED OPENING TRIM, PAINTED: ______
SIZES: FSW: ______
BSW: ______
LEW: ______
REW: ______

BUILDING OPTIONS

YES☐ NO☒ LINER PANELS
FRAMED OPENING TRIM, PAINTED: ______
WALL: TYPE: ______ GAUGE: ______ FINISH: ______ WALL TRIM, PAINTED: ______
CEILING: TYPE: ______ GAUGE: ______ FINISH: ______

YES☐ NO☒ TRANSLUCENT PANELS
WALL: ______
ROOF: ______
INSULATED PANELS? YES☐ NO☐

YES☒ NO☐ EAVE EXTENSION
PROJ.: 3'-0" TYPE: NONE GAUGE: N/A FINISH: N/A SOFFIT TRIM AT BUILDING LINE PAINTED: N/A

YES☐ NO☒ RAKE EXTENSION
PROJ.: ______ TYPE: ______ GAUGE: ______ FINISH: ______ SOFFIT TRIM AT BUILDING LINE PAINTED: ______

YES☐ NO☒ CANOPY
AT EAVE LINE ☐ BELOW EAVE ☐ PROJECTION: ______ CLEAR UNDER CANOPY BEAM: ______
ROOF PANEL: TYPE: ______ GAUGE, FINISH: ______
SOFFIT PANEL: TYPE: ______ GAUGE, FINISH: ______ SOFFIT TRIM AT BUILDING LINE PAINTED: ______

YES☐ NO☒ PARTITION WALLS
WALL PANEL: TYPE: ______ GAUGE, FINISH: ______ TRIM PAINTED: ______

YES☐ NO☒ WAINSCOT
WALL PANEL: TYPE: ______ GAUGE, FINISH: ______
BASE TRIM PAINTED: ______ JAMB TRIM PAINTED: ______ TRANSITION TRIM PAINTED: ______

YES☐ NO☒ FASCIA
PROJ.: ______ TOP OF FASCIA HEIGHT: ______
FACE PANEL, TYPE: ______ GAUGE, FINISH: ______ CAP TRIM PAINTED: ______
BACK PANEL, TYPE: ______ GAUGE, FINISH: ______ BASE TRIM PAINTED: ______
☐ CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: ______
SOFFIT PANEL, TYPE: ______ GAUGE, FINISH: ______ SOFFIT TRIM AT BUILDING LINE PAINTED: ______
☐ OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER SOFFIT TRIM: ______

YES☐ NO☒ PARAPET
☐ STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET TOP OF PARAPET HEIGHT: ______
BACK PANEL, TYPE: ______ GAUGE, FINISH: ______

YES☐ NO☒ CRANES (SEE CRANE PLAN FOR ADDITIONAL INFORMATION)
YES☐ NO☒ MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL INFORMATION)

THE DRAWINGS AND THE METAL BUILDING THEY REPRESENT ARE THE PRODUCT OF THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL PERTAINS ONLY TO THE REQUIREMENTS LISTED HEREIN FOR THE MATERIALS DESIGNED AND SUPPLIED BY THE METAL BUILDING MANUFACTURER. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED OR ENGAGED BY THE METAL BUILDING MANUFACTURER AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

7. GLOSSARY OF ABBREVIATIONS:

A.B. = ANCHOR BOLTS	MAX = MAXIMUM	REQ'D = REQUIRED
BS = BOTH SIDES	M.B. = MACHINE BOLTS	REV. = REVISION
B.U. = BUILT-UP	MBS = METAL BUILDING SUPPLIER	SIM = SIMILAR
DIA = DIAMETER	TBD = TO BE DETERMINED	SL = STEEL LINE
FLG = FLANGE	N/A = NOT APPLICABLE	N.S. = NEAR SIDE
F.S = FAR SIDE	NIC = NOT IN CONTRACT	MIN = MINIMUM
GA. = GAUGE	SSV = SHORT LEG VERTICAL	TYP = TYPICAL
H.S.B. = HIGH STRENGTH BOLTS	O.A.L. = OVERALL LENGTH	PL = PLATE
HT. = HEIGHT	O.C. = ON CENTER	
LLV = LONG LEG VERTICAL	U.N.O. = UNLESS NOTED OTHERWISE	

PEMB = PRE-ENGINEERED METAL BUILDING MANUFACTURER
?? = PART MARK TO BE DETERMINED AND WILL BE UPDATED ON CONSTRUCTION DRAWINGS

FOR OCCUPANCY (RISK) CATEGORY I OR II, IBC PROVISIONS INDICATE THAT SINGLE-STORY BUILDINGS SHALL HAVE "NO DRIFT LIMIT" PROVIDED THAT INTERIOR WALLS, PARTITIONS, CEILINGS, AND EXTERIOR WALL SYSTEMS HAVE BEEN DESIGNED TO ACCOMMODATE THE SEISMIC STORY DRIFTS. INTERIOR WALLS, PARTITIONS, CEILINGS, OR EXTERIOR WALL SYSTEMS NOT PROVIDED BY THE METAL BUILDING MANUFACTURER SHALL BE DESIGNED AND DETAILED BY OTHERS TO ACCOMMODATE THE SEISMIC STORY DRIFTS. SEISMIC DRIFT VALUES MAY BE OBTAINED FROM THE METAL BUILDING MANUFACTURER.

ROOF AND WALL INSULATION BY OTHERS MUST WEIGH NO MORE THAN 0.5 PSF

PLYWOOD LINER BY OTHERS ON ALL THE WALLS MUST WEIGH NO MORE THAN 2.5 PSF

TOTAL WEIGHT OF GYPSUM BOARD BY OTHERS LOCATED ON THE WALL AT GRID LINE C MUST WEIGH NO MORE THAN 10 PSF

03/10/23

SPECIAL INSPECTION IS REQUIRED

Special Inspections are not a substitute for the regular City inspections. A special inspector is hired by the owner or the owner's agent, NOT the contractor. Special inspection field reports must be submitted to the contractor, principal designer, owner and the City Inspector. One copy of each field report signed by the special inspector shall be maintained at the job site available to the City Inspector. A final report must be submitted to the City inspector at the completion of each category of work inspected.

STEEL CONSTRUCTION (OSSC 1705.2)
STEEL CONSTRUCTION - SEISMIC (OSSC 1705.12.1)

BUILDING LOADS

DESIGN CODE: OSSC 19

ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS: II
LIVE LOAD REDUCIBLE Yes

GROUND SNOW LOAD: 11.0 PSF SNOW EXP. FACTOR, Ce: 1.0000
SNOW IMPORTANCE FACTOR, Is: 1.00

100 YEAR RAINFALL INTENSITY (IN/HR): 4.00
WIND: 98 / 76 MPH
(Vult) / (Vasd)

C & C PRESSURES (PSF): 27 / -34
EXPOSURE: C
UL 90 NO
R-Panel Roof-Const. No. 161 ; R-Panel Roof w/ Translucent Panel-Const. No. 167
SS3 Roof-Const. No. 552 ; SS3 Roof w/ Translucent Panel-Const. No. 590 ;
Composite CFR Roof-Const. No. 552A ; LS9 Roof-Const. No. 332 .

SEISMIC INFORMATION Ss: 0.748 S1: 0.424
Design Sds/Sd1: 0.599 / 0.530 Site Class: D
Seismic Imp. Factor: 1.00 Seismic Design Category: D
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Ordinary Steel Moment Frames &
Ordinary Steel Conc. – Braced Frames

NOTES:
1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS (USING THE WEB MOUNT DETAIL) OR 200 POUNDS (USING THE FLANGE MOUNT DETAIL), OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.

2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

3) Pm IS BASED ON THE MINIMUM ROOF SNOW LOAD CALCULATED PER BUILDING CODE OR THE CONTRACT SPECIFIED SNOW LOAD, WHICHEVER IS GREATER. THIS VALUE, Pm, IS ONLY APPLIED IN COMBINATION WITH THE DEAD AND COLLATERAL LOADS. ROOF SNOW IN OTHER LOADING CONDITIONS IS DETERMINED PER THE SPECIFIED BUILDING CODE.

	BUILDING		
ROOF DEAD (PSF):	3.75	ROOF SNOW Pm (PSF):	25.00
PRI. COL. (PSF):	3.00	WIND ENCLOSURE:	Partial
SEC. COL. (PSF):	3.00	GCpi:	+/-0.55
SNOW Ct:	1.20	SEISMIC R:	3.25
SNOW Cs:	1.00	SEISMIC Cs:	0.185
ROOF SNOW Ps (PSF):	25.00	BASE SHEAR (KIPS):	7.68

DRAWING INDEX

ISSUE	DWN	CHK	ENG	PE	DATE
Anchor Bolts for Construction	MBS	CDC	RHW		01/25/2023
Building Department Review	MBS	CDC	RHW		01/26/2023

Reviewed for Code Compliance - 08/18/2023 3:33:58 PM
Permit Number - 23-01679-01

Eugene

AMERICAN BUILDINGS a NUCOR brand
2260 TENAYA DRIVE
MODESTO, CA 95354
PHONE: (209) 236-0580
FAX: (209) 236-0588

PROJECT NAME
WILCO HAY STORAGE - EUGENE
EUGENE, OR 97402

CUSTOMER NAME
WALEN CONSTRUCTION, LLC
TUALATIN, OR 97062

JOB NUMBER
N23G0014A

SHEET TITLE

Received by City of Eugene: 16_Z_C1 HAY SHED COVER SHEET - 03/16/2023, 5:03:23 PM

REGISTERED PROFESSIONAL ENGINEER
97085PE
01/31/2023
OREGON
MAR. 9 2021
WING HONG LO
EXPIRATION DATE: 12-31-2024

This seal pertains only to the materials designed and supplied by the Metal Building Manufacturer. The drawings and the metal buildings which they represent are the product of the Metal Building Manufacturer. The registered professional engineer whose seal appears on these drawings is employed by the Metal Building Manufacturer and does not serve as or represent the project engineer of record and shall not be construed as such.

SHEET
C1 of 1