

NOTES:

- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.
- Refer to Sheet 22.2 for General Notes, Conditions, Formwork, and Foundation Details.

VEGETATION

- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.

CONSTRUCTION LIMITS

- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.
- Contractor shall remove all vegetation and stumps within the limits of the project.

Table 1. Lower County Elevation

Range	Topography
100%	Topography
90% - 99%	Topography
80% - 89%	Topography
70% - 79%	Topography
60% - 69%	Topography
50% - 59%	Topography
40% - 49%	Topography
30% - 39%	Topography
20% - 29%	Topography
10% - 19%	Topography
0% - 9%	Topography

LOCKED LOON STORAGE EXPANSION
COLOGNE, MN

ODAT HOLDINGS, LLC
5904 OAKLAWN AVENUE
EDINA, MN 55424
612-758-0882



DESIGNER'S NOTES

DATE: 06/13/2025
DESIGNER: CITY OF WATERLOO
PROJECT: EXCAVATION & ELEVATION
PROJECT NUMBER: 2002

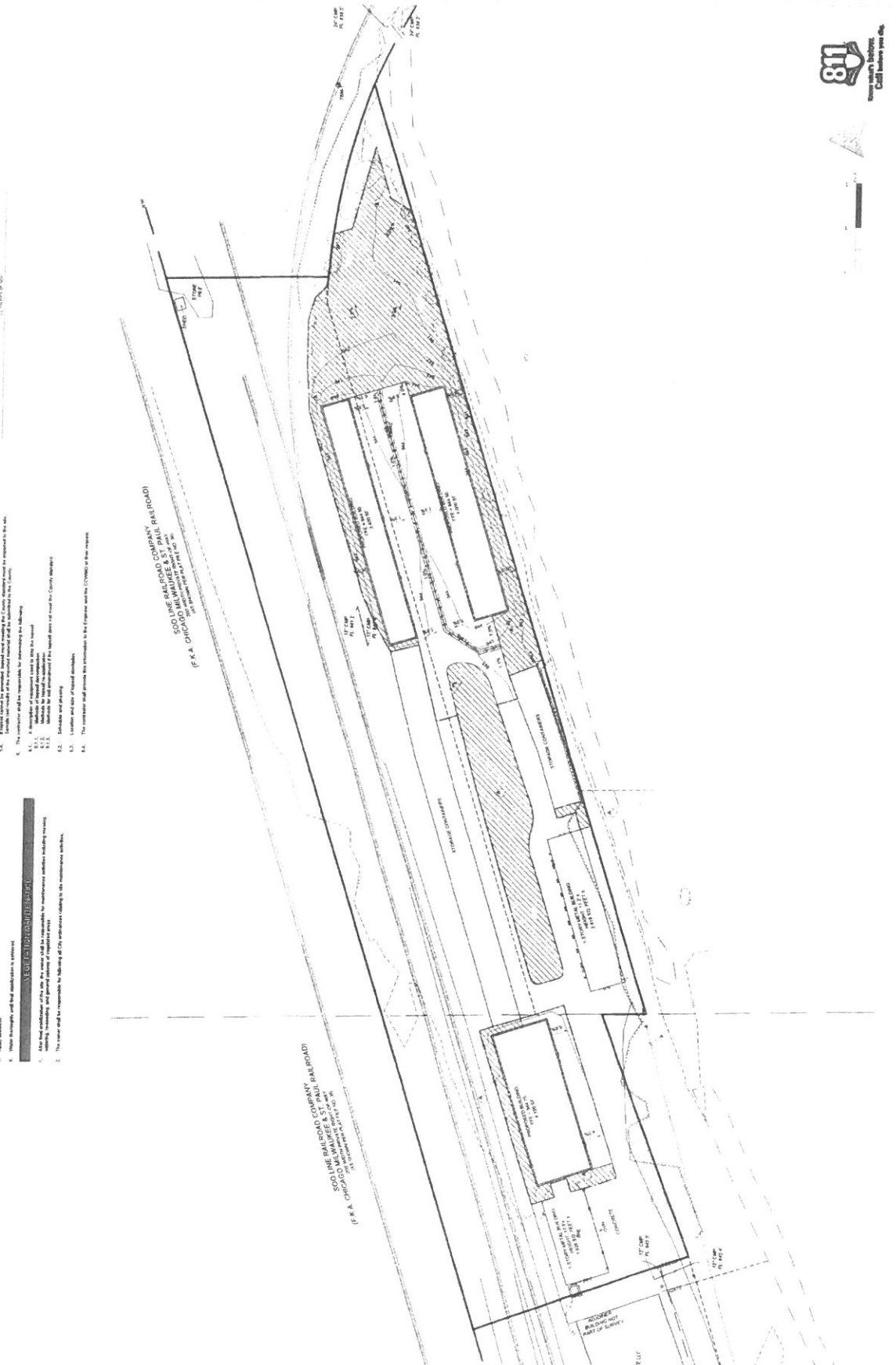
EXCAVATE & ELEVATE
612-758-0882
PROJECT NUMBER: 2002

CITY OF WATERLOO
RESUBMITTAL
06/13/2025

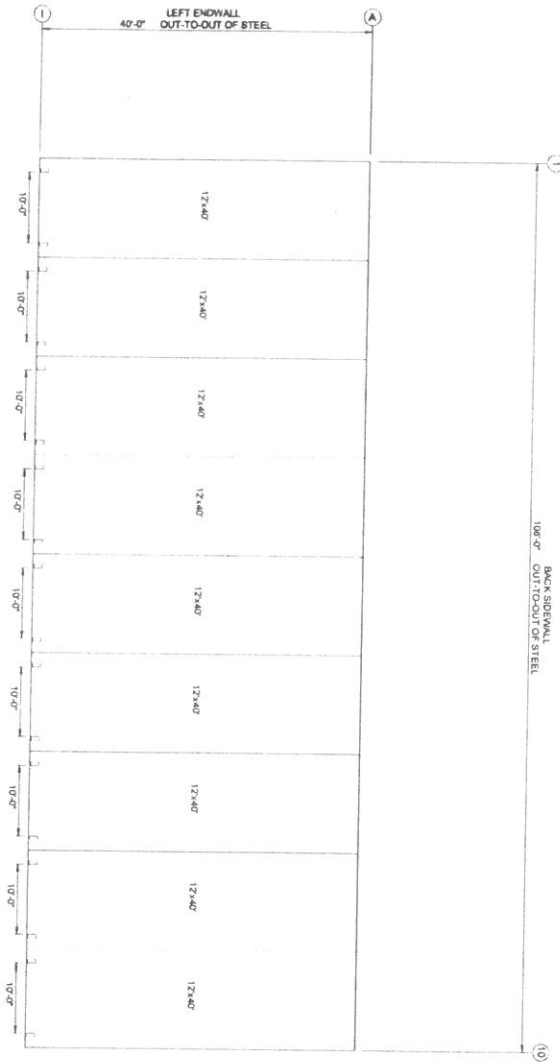
PRELIMINARY
(NOT FOR CONSTRUCTION)

811
Call before you dig.
www.811.org

C4.1



UNIT LAYOUT PLAN



RIGHT ENDWALL

Sheet
12

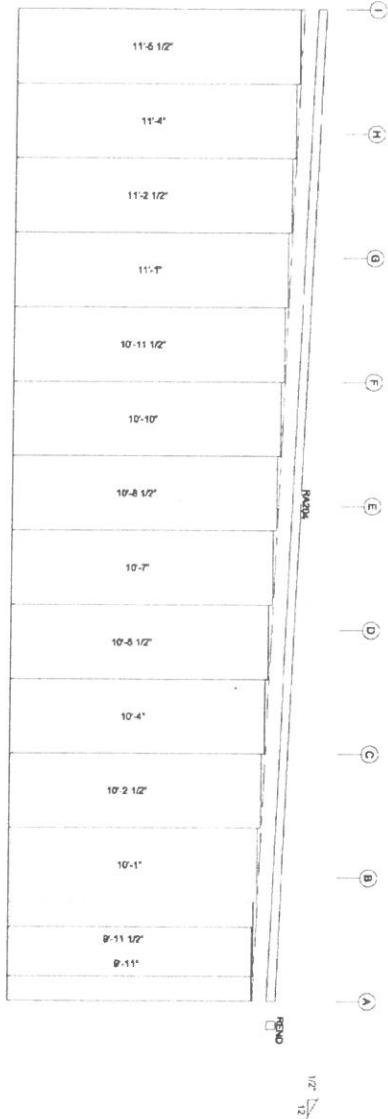
Wilshar
STEEL
124 Mt. Hebron Rd
Lowell, AR 72745
Phone: 479-686-0311

Locked_Loon_1
PROJECT: 40 x 108 x 9.8 x 11.5
LOCATION: Cologne, MN 55332
Locked Loon Expansion

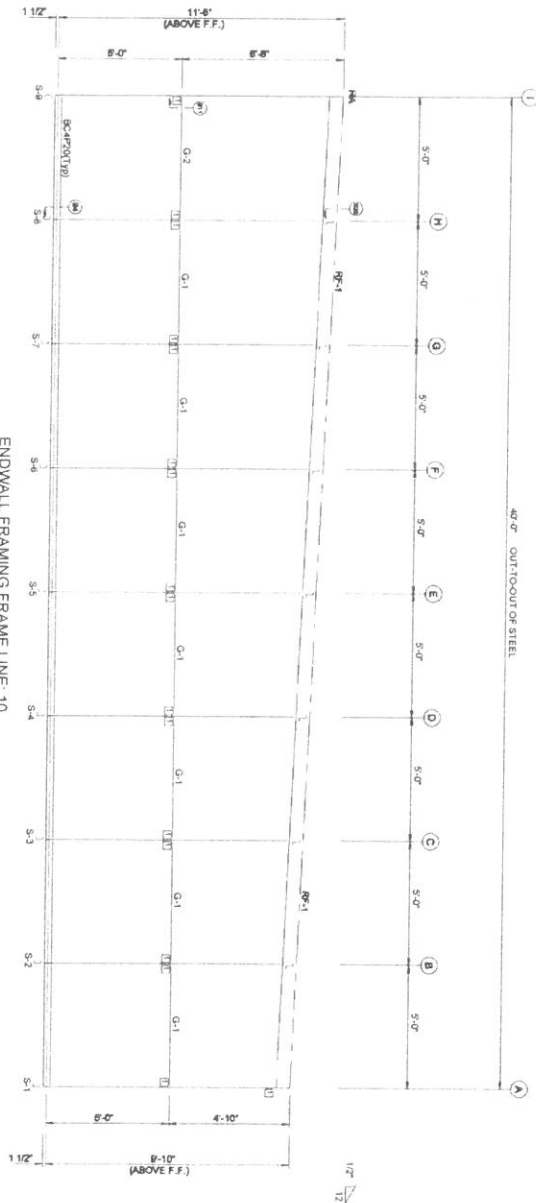
CONFIDENTIAL AND PROPRIETARY INFORMATION
THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. NO PART OF THESE DRAWINGS MAY BE USED FOR RE-RENDERING THE ENCLOSURE OF THESE DRAWINGS TO UNAUTHORIZED PERSONS IS STRICTLY PROHIBITED. THESE DRAWINGS MAY NOT BE USED TO CONSTRUCT ANY PROJECTS WITHOUT WRITTEN PERMISSION FROM WILSHAR STEEL. THIS DOCUMENT AND ALL COPIES MUST BE RETURNED UPON DEMAND.

APPROVAL	PRINTS ISSUED FOR	BY	DATE
			6/2/25

ENDWALL SHEETING & TRIM FRAME LINE: 10
PANELS 26 GA. RL. CHG 40" x 10"



ENDWALL FRAMING FRAME LINE: 10



MARK	PART	LENGTH
S-1	C218	9'-10"
S-2	C218	10'-5 1/2"
S-3	C218	10'-5 1/2"
S-4	C218	10'-5 1/2"
S-5	C218	10'-5 1/2"
S-6	C218	10'-5 1/2"
S-7	C218	10'-5 1/2"
S-8	C218	10'-5 1/2"
S-9	C218	10'-5 1/2"
S-10	C218	10'-5 1/2"
S-11	C218	10'-5 1/2"
S-12	C218	10'-5 1/2"
S-13	C218	10'-5 1/2"
S-14	C218	10'-5 1/2"
S-15	C218	10'-5 1/2"
S-16	C218	10'-5 1/2"
S-17	C218	10'-5 1/2"
S-18	C218	10'-5 1/2"
S-19	C218	10'-5 1/2"
S-20	C218	10'-5 1/2"
S-21	C218	10'-5 1/2"
S-22	C218	10'-5 1/2"
S-23	C218	10'-5 1/2"
S-24	C218	10'-5 1/2"
S-25	C218	10'-5 1/2"
S-26	C218	10'-5 1/2"
S-27	C218	10'-5 1/2"
S-28	C218	10'-5 1/2"
S-29	C218	10'-5 1/2"
S-30	C218	10'-5 1/2"
S-31	C218	10'-5 1/2"
S-32	C218	10'-5 1/2"
S-33	C218	10'-5 1/2"
S-34	C218	10'-5 1/2"
S-35	C218	10'-5 1/2"
S-36	C218	10'-5 1/2"
S-37	C218	10'-5 1/2"
S-38	C218	10'-5 1/2"
S-39	C218	10'-5 1/2"
S-40	C218	10'-5 1/2"
S-41	C218	10'-5 1/2"
S-42	C218	10'-5 1/2"
S-43	C218	10'-5 1/2"
S-44	C218	10'-5 1/2"
S-45	C218	10'-5 1/2"
S-46	C218	10'-5 1/2"
S-47	C218	10'-5 1/2"
S-48	C218	10'-5 1/2"
S-49	C218	10'-5 1/2"
S-50	C218	10'-5 1/2"
S-51	C218	10'-5 1/2"
S-52	C218	10'-5 1/2"
S-53	C218	10'-5 1/2"
S-54	C218	10'-5 1/2"
S-55	C218	10'-5 1/2"
S-56	C218	10'-5 1/2"
S-57	C218	10'-5 1/2"
S-58	C218	10'-5 1/2"
S-59	C218	10'-5 1/2"
S-60	C218	10'-5 1/2"
S-61	C218	10'-5 1/2"
S-62	C218	10'-5 1/2"
S-63	C218	10'-5 1/2"
S-64	C218	10'-5 1/2"
S-65	C218	10'-5 1/2"
S-66	C218	10'-5 1/2"
S-67	C218	10'-5 1/2"
S-68	C218	10'-5 1/2"
S-69	C218	10'-5 1/2"
S-70	C218	10'-5 1/2"
S-71	C218	10'-5 1/2"
S-72	C218	10'-5 1/2"
S-73	C218	10'-5 1/2"
S-74	C218	10'-5 1/2"
S-75	C218	10'-5 1/2"
S-76	C218	10'-5 1/2"
S-77	C218	10'-5 1/2"
S-78	C218	10'-5 1/2"
S-79	C218	10'-5 1/2"
S-80	C218	10'-5 1/2"
S-81	C218	10'-5 1/2"
S-82	C218	10'-5 1/2"
S-83	C218	10'-5 1/2"
S-84	C218	10'-5 1/2"
S-85	C218	10'-5 1/2"
S-86	C218	10'-5 1/2"
S-87	C218	10'-5 1/2"
S-88	C218	10'-5 1/2"
S-89	C218	10'-5 1/2"
S-90	C218	10'-5 1/2"
S-91	C218	10'-5 1/2"
S-92	C218	10'-5 1/2"
S-93	C218	10'-5 1/2"
S-94	C218	10'-5 1/2"
S-95	C218	10'-5 1/2"
S-96	C218	10'-5 1/2"
S-97	C218	10'-5 1/2"
S-98	C218	10'-5 1/2"
S-99	C218	10'-5 1/2"
S-100	C218	10'-5 1/2"

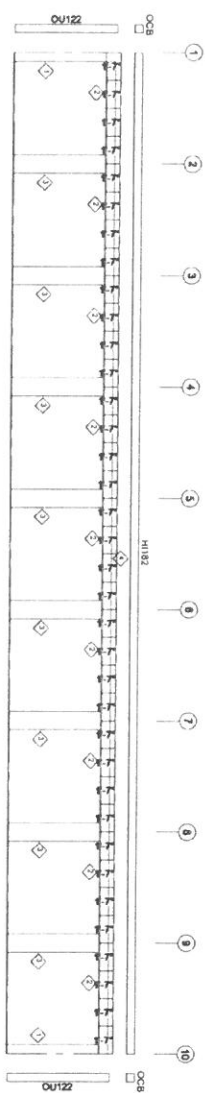
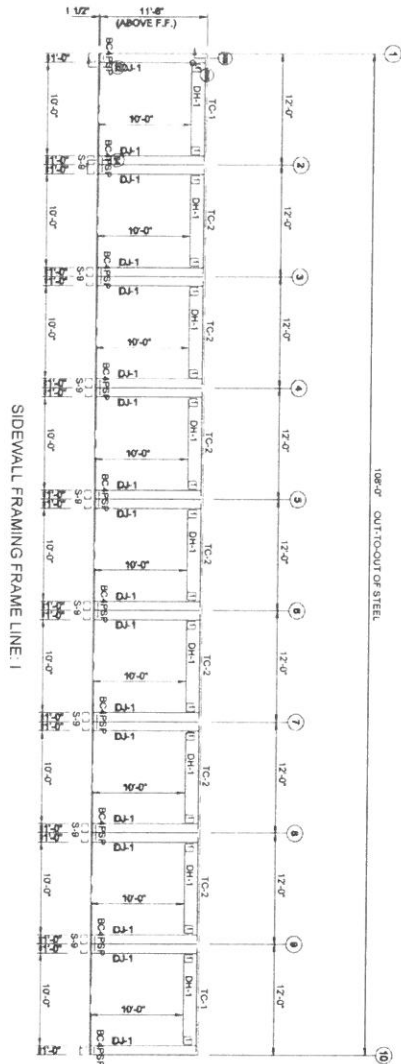
CONNECTION PLATES
1 MINICUP

Wilshar
STEEL
124 Mt. Hebron Rd.
Lowell, AR 72745
Phone: 479-866-0311

Locked_Loon_1
PROJECT: 40 x 108 x 9.8 x 11.5
LOCATION: Cologne, MN 55332
Locked Loon Expansion

CONFIDENTIAL AND PROPRIETARY INFORMATION
THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL COPIES MUST BE RETURNED UPON DEMAND.

APPROVAL
PRINTS ISSUED FOR BY DATE
5/2/25



MEMBER	TABLE	LENGTH
MAX	108'-0"	108'-0"
MIN	108'-0"	108'-0"
TC-1	11'-7 1/2"	11'-7 1/2"
TC-2	11'-11 3/4"	11'-11 3/4"
DM-1	10'-0"	10'-0"

TABLE	LENGTH
1 C-100	108'-0"
2 C-100	108'-0"
2 C-100	108'-0"
2 C-100	108'-0"

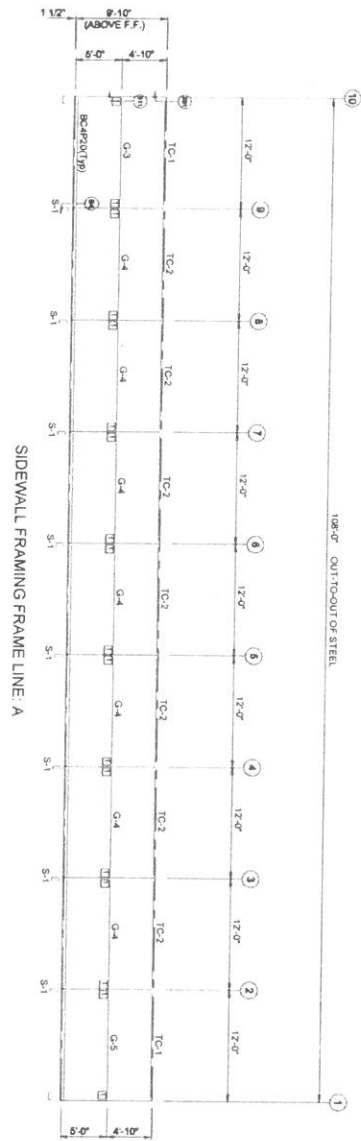
CONNECTION PLATES
1 WELSHAR
1 WELSHAR

CONFIDENTIAL AND PROPRIETARY INFORMATION
 THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL CONTENTS MUST BE RETURNED UPON DEMAND.

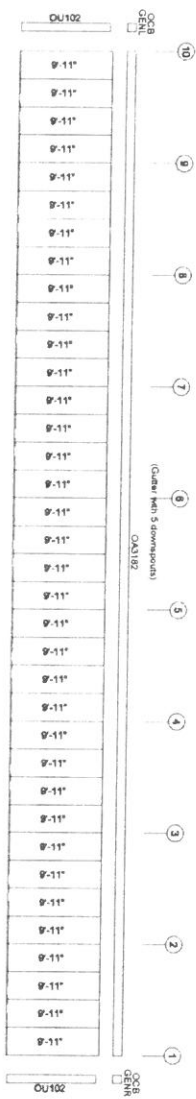
Locked_Loon_1
 PROJECT: 40 x 108 x 9.8 x 11.5
 LOCATION: Cologne, MN 55332
 Locked Loon Expansion

Wilshar STEEL
 124 Mt. Hebron Rd.
 Lowell, AR 72745
 Phone: 479-988-0311

Sheet 1 of 1



SIDEWALL FRAMING FRAME LINE: A



SIDEWALL SHEETING & TRIM FRAME LINE: A

REVISION TABLE

MARK	PART	LENGTH
S-1	C4218	8'10"
TC-1	C4218	12'0"
TC-2	C4218	12'0"
G-3	C4214	11'0"
G-4	C4214	11'0"
G-5	C4214	11'0"

CONNECTION PLATES

MARK	PART
1	MANICUP

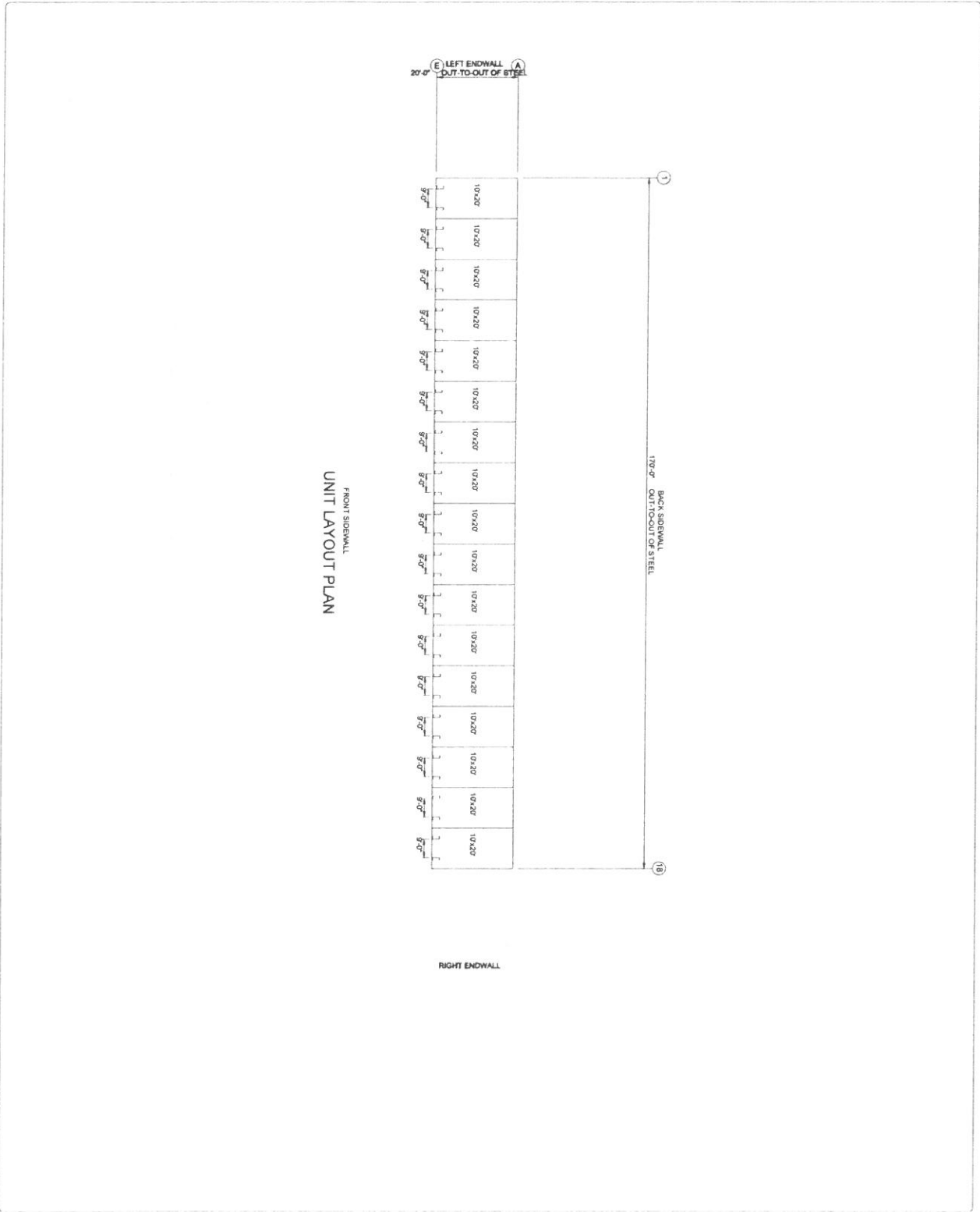
APPROVAL		DATE
BY		6/2/25
PRINTS ISSUED FOR		

CONFIDENTIAL AND PROPRIETARY INFORMATION

THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. NO REPRODUCTION, IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, IS PERMITTED WITHOUT THE WRITTEN PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL COPIES MUST BE RETURNED UPON DEMAND.

Locked_Loon_1
 PROJECT: 40 x 108 x 9.8 x 11.5
 LOCATION: Cologne, MN 55332
 Locked Loon Expansion

Wilshar Steel
 124 Mt. Hebron Rd.
 Lowell, AR 72745
 Phone: 479-966-0311



15

Sheet

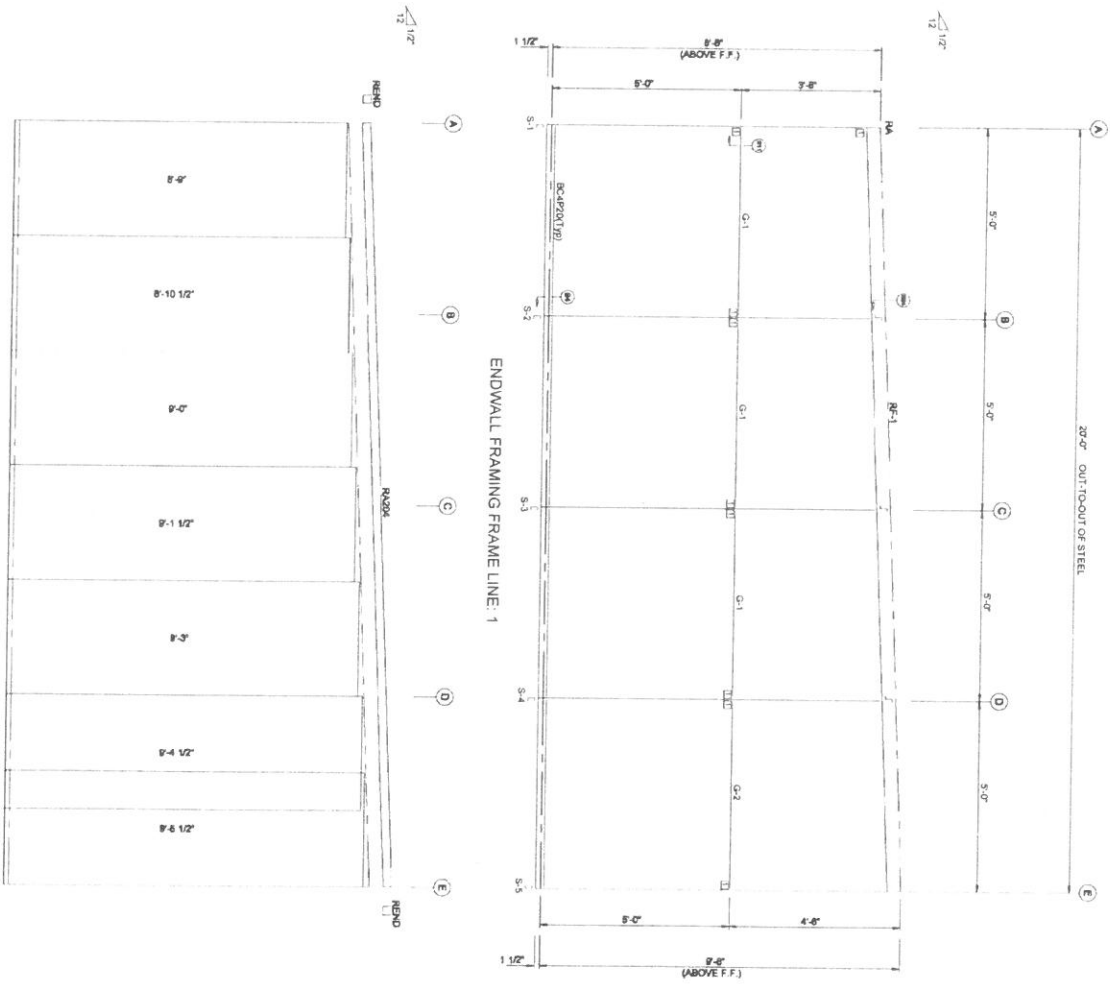
15

Wilshar
STEEL
124 Mt. Hebron Rd
Lowell, AR 72745
Phone: 479-886-0311

Locked_Loon_2
PROJECT: 20 x 170 x 8.7 x 9.5
LOCATION: Cologne, MN 55332
Locked Loon Expansion

CONFIDENTIAL AND PROPRIETARY INFORMATION
THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE
PROPERTY OF WILSHAR STEEL. NO PART
HEREOF OR ANY INFORMATION CONTAINED
HEREIN SHALL BE DISCLOSED OR REPRODUCED
IN ANY MANNER WITHOUT THE WRITTEN
PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL
COPIES MUST BE RETURNED UPON DEMAND.

APPROVAL	DATE
PRINTS ISSUED FOR	BY
6/ 2/25	



MEMBER TABLE

MARK	PART	LENGTH
S-1	C2416	8'-0 1/2"
S-2	C2416	8'-11"
S-3	C2416	8'-11"
S-4	C2416	8'-11"
S-5	C2416	8'-11"
G-1	C2416	20'-0 3/16"
G-2	C2416	4'-0"

CONNECTION PLATES

MARK	PART	LENGTH
C1	C2416	4'-0"

CONFIDENTIAL AND PROPRIETARY INFORMATION

THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. NO REUSE, REPRODUCTION, OR DISSEMINATION OF THESE DRAWINGS MAY BE MADE WITHOUT THE WRITTEN PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL COPIES MUST BE RETURNED UPON DEMAND.

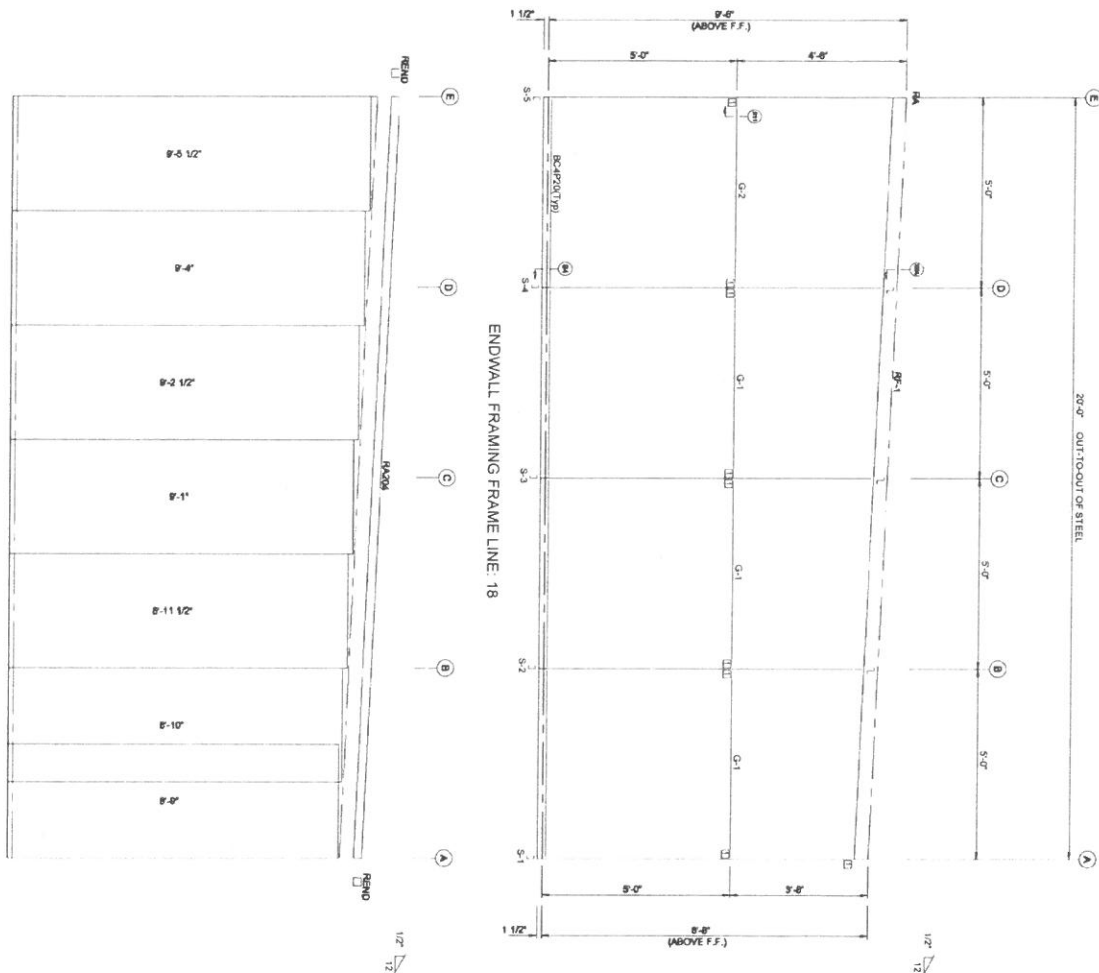
APPROVAL: _____ DATE: 6/2/25
 PRINTS ISSUED FOR: _____ BY: _____

Locked_Loon_2
 PROJECT: 20 x 170 x 8.7 x 9.5
 LOCATION: Cologne, MN 55332
 Locked Loon Expansion

Wilshar
 STEEL

124 Mt. Hebron Rd
 Lowell, AR 72745
 Phone: 478-968-0311

ENDWALL SHEETING & TRIM FRAME LINE: 1
 PANELS 28 GA. RL - GRAY 40 Y



ENDWALL SHEETING & TRIM FRAME LINE: 18

PANELS: 20' ON RL - 0' ON RL

WORK	DATE	LENGTH
S-1	04/18	8'10 1/2"
S-2	04/18	8'10 1/2"
S-3	04/18	8'10 1/2"
S-4	04/18	8'10 1/2"
S-5	04/18	8'10 1/2"
S-6	04/18	8'10 1/2"
S-7	04/18	8'10 1/2"
S-8	04/18	8'10 1/2"
S-9	04/18	8'10 1/2"
S-10	04/18	8'10 1/2"
S-11	04/18	8'10 1/2"
S-12	04/18	8'10 1/2"
S-13	04/18	8'10 1/2"
S-14	04/18	8'10 1/2"
S-15	04/18	8'10 1/2"
S-16	04/18	8'10 1/2"
S-17	04/18	8'10 1/2"
S-18	04/18	8'10 1/2"
S-19	04/18	8'10 1/2"
S-20	04/18	8'10 1/2"
S-21	04/18	8'10 1/2"
S-22	04/18	8'10 1/2"
S-23	04/18	8'10 1/2"
S-24	04/18	8'10 1/2"
S-25	04/18	8'10 1/2"
S-26	04/18	8'10 1/2"
S-27	04/18	8'10 1/2"
S-28	04/18	8'10 1/2"
S-29	04/18	8'10 1/2"
S-30	04/18	8'10 1/2"
S-31	04/18	8'10 1/2"
S-32	04/18	8'10 1/2"
S-33	04/18	8'10 1/2"
S-34	04/18	8'10 1/2"
S-35	04/18	8'10 1/2"
S-36	04/18	8'10 1/2"
S-37	04/18	8'10 1/2"
S-38	04/18	8'10 1/2"
S-39	04/18	8'10 1/2"
S-40	04/18	8'10 1/2"
S-41	04/18	8'10 1/2"
S-42	04/18	8'10 1/2"
S-43	04/18	8'10 1/2"
S-44	04/18	8'10 1/2"
S-45	04/18	8'10 1/2"
S-46	04/18	8'10 1/2"
S-47	04/18	8'10 1/2"
S-48	04/18	8'10 1/2"
S-49	04/18	8'10 1/2"
S-50	04/18	8'10 1/2"
S-51	04/18	8'10 1/2"
S-52	04/18	8'10 1/2"
S-53	04/18	8'10 1/2"
S-54	04/18	8'10 1/2"
S-55	04/18	8'10 1/2"
S-56	04/18	8'10 1/2"
S-57	04/18	8'10 1/2"
S-58	04/18	8'10 1/2"
S-59	04/18	8'10 1/2"
S-60	04/18	8'10 1/2"
S-61	04/18	8'10 1/2"
S-62	04/18	8'10 1/2"
S-63	04/18	8'10 1/2"
S-64	04/18	8'10 1/2"
S-65	04/18	8'10 1/2"
S-66	04/18	8'10 1/2"
S-67	04/18	8'10 1/2"
S-68	04/18	8'10 1/2"
S-69	04/18	8'10 1/2"
S-70	04/18	8'10 1/2"
S-71	04/18	8'10 1/2"
S-72	04/18	8'10 1/2"
S-73	04/18	8'10 1/2"
S-74	04/18	8'10 1/2"
S-75	04/18	8'10 1/2"
S-76	04/18	8'10 1/2"
S-77	04/18	8'10 1/2"
S-78	04/18	8'10 1/2"
S-79	04/18	8'10 1/2"
S-80	04/18	8'10 1/2"
S-81	04/18	8'10 1/2"
S-82	04/18	8'10 1/2"
S-83	04/18	8'10 1/2"
S-84	04/18	8'10 1/2"
S-85	04/18	8'10 1/2"
S-86	04/18	8'10 1/2"
S-87	04/18	8'10 1/2"
S-88	04/18	8'10 1/2"
S-89	04/18	8'10 1/2"
S-90	04/18	8'10 1/2"
S-91	04/18	8'10 1/2"
S-92	04/18	8'10 1/2"
S-93	04/18	8'10 1/2"
S-94	04/18	8'10 1/2"
S-95	04/18	8'10 1/2"
S-96	04/18	8'10 1/2"
S-97	04/18	8'10 1/2"
S-98	04/18	8'10 1/2"
S-99	04/18	8'10 1/2"
S-100	04/18	8'10 1/2"

CONNECTION PLATES
1 MINICLIP

CONFIDENTIAL AND PROPRIETARY INFORMATION
THESE DRAWINGS ARE THE SOLE AND EXCLUSIVE PROPERTY OF WILSHAR STEEL. SENSITIVE, PRIVILEGED AND CONFIDENTIAL INFORMATION CONTAINED HEREIN IS NOT TO BE DISCLOSED OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF WILSHAR STEEL. THIS DOCUMENT AND ALL COPIES MUST BE RETURNED UPON DEMAND.

APPROVAL	DATE
PRINTS ISSUED FOR	BY
	6/ 2/25

Locked_Loon_2
PROJECT: 20 x 170 x 8.7 x 9.5
LOCATION: Cologne, MN 55332
Locked Loon Expansion

Wilshar STEEL
124 Mt. Hebron Rd.
Lowell, AR 72745
Phone: 479-966-0311

03
Sheet