Estimate of Manhours for Lump Sum Portion

Construction Plans (Roadway & Storm Sewer)
Limits =10th Street to 6th Street (~1593 ft.)

Date: 9/14/15
Route: Poplar Street
Municipality: Mascoutah
County: St. Clair
Consultant: Thouvenot, Wade & Moerchen, Inc.
Funding: 100% Local

		CONSULTANT HOURS											TOTAL
	PRIN	PROJ MGR	PROJ ENG	STR ENG	CIVIL ENG	SR TECH	CADD TECH	SURV COOR	REG SURV	1-man CREW		WP & ACCN	CONSULTANT HOURS
Roadway Plans, Specs & Estimates													
Prefinal Plans only													
~~Site Visit~~													0
Adjust Profiles					1		1						2
Drainage analysis (storm sewer & culverts)		1			6		2						9
Lift Station Analysis		1			6								7
~~Prepare Draft Cross Sections for Prel Constr Limits~~													0
~~Identify potential ROW & Easement Requirements~~													0
Cover Sheet 1					1		1						2
General Notes 1					1		1						2
~~Summary of Quantities~~													0
Typicals 1		1			2		2						5
~~Ties & Benchmarks~~													0
Removal Plans 2					2		4						6
Plan & Profile Sheets 3		1			9		10						20
Include ties & BMs on P&P sheets													
Erosion Control Plan 2					2								2
Staged Construction Sheets 2		1			4		4						9
~~Traffic Control/Detour Signing Sheet~~													0
Drainage/Storm Sewer Plans 3		1			12		6						19
Pavement Marking & Signage Sheets 2					2		2						4
Intersection Geometric Sheets 2					4		5						9
Misc. Detail Sheets 2					4		4						8
Cross Sections 10					16		12						28
Plan field check					4		4						8
Quantity Calculations, Schedule of Prices for Bidding					8		8						16
~~Schedules~~													0
Cost Estimate		1			3								4
Estimate of Time		1			3								4
Check Sheets & Spec Provs		1			4							1	6
Bidding Documents (Contract, Bonds, etc)		4			1								5
QAQC, Print, Submit Prefinal Plans		4			4		2					4	14
Submit Plans to City		1					1					1	3
~~Pavement Design (HMA) - use same design as Fuesser Rd~~													0
~~Permitting (Corps, IEPA, IDNR, IDOT, etc. as required)~~													0
~~ESR & exhibits~~													0
~~Public Meeting (incl group letter, exhibits, attendance, etc.)~~													0
~~Utility Coordination~~													0
31 Sheets Total													
Final PS&E Package													
Review City comments		2			2								4
Address comments					4		8						12
Adjust Quantities / tabulate in Schedule of Prices for bidding					2		2						4
Finalize Construction Estimate		1			2								3
QA/QC, printing, sealing, filing & delivery		4			2		2					1	9
Sub-Total	0	25	0	0	111	0	81	0	0	0	0	7	224
													224
Project Management and Coordination													
Attend Meetings with City		4			4								8
In-house Project Management		2			2		1						5
Project administration (contract, billing, etc.)		4			1							2	7
Sub-Total	0	10	0	0	7	0	1	0	0	0	0	2	20
													20
Total TWM	0	35	0	0	118	0	82	0	0	0	0	9	244
													244
Appr. Ave. Hourly Rates (2015)		$146			$109		$81	$90	$110	$129		$66	244
Total Labor Cost	$0	$5,110	$0	$0	$12,862	$0	$6,642	$0	$0	$0	$0	$594	$25,208

$103.31 Ave Rate

Misc Direct Costs (Printing, Mileage, etc.)	$94
Total	$25,302
Use for Lump Sum Fee	$25,400

Roadway Pre-Final Direct Costs

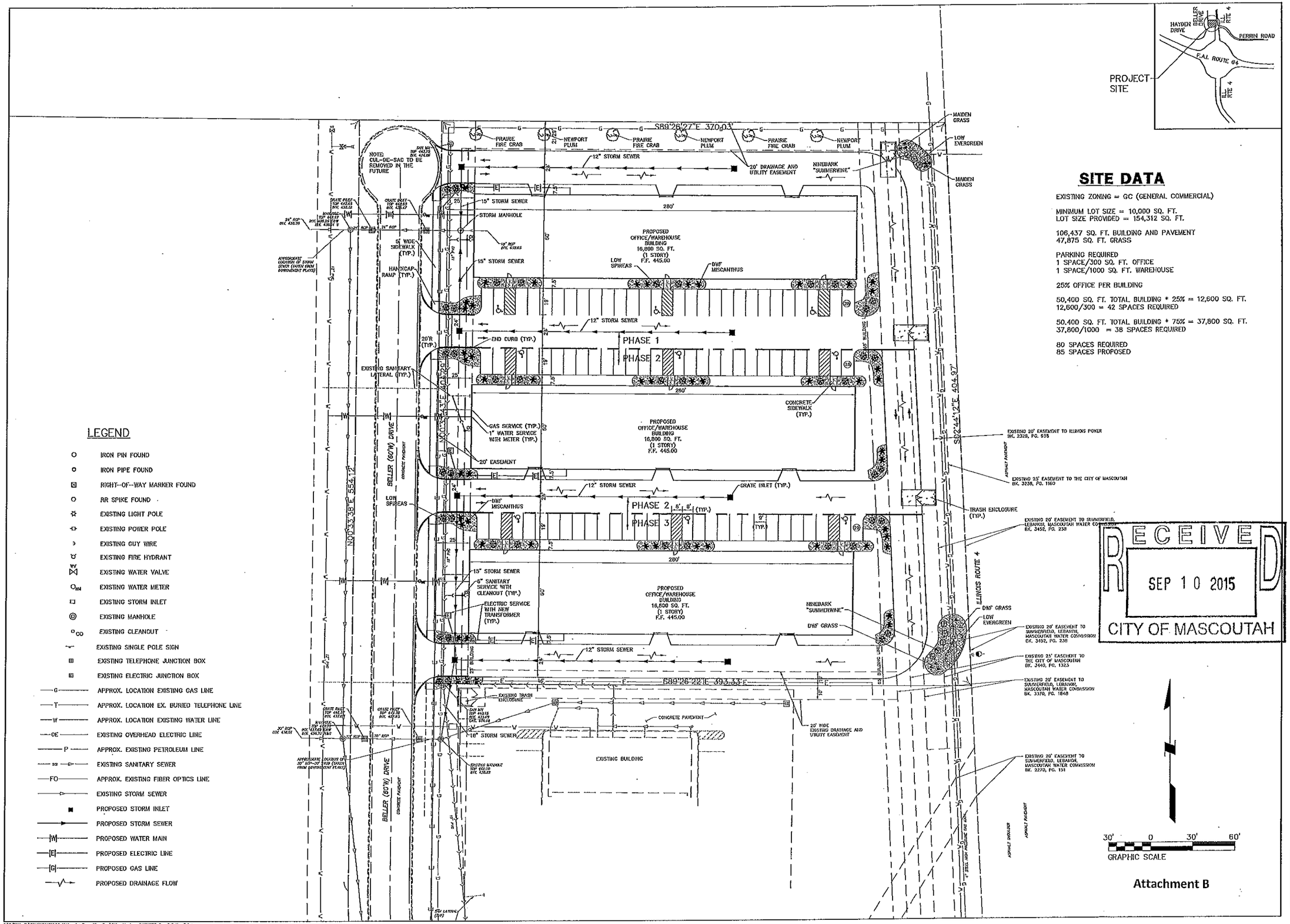
Mileage (approx 26 miles roundtrip)		$14.69
11x17 (31 plan sheets - City)	$0.36/sheet	$11.16
8 1/2 x 11 (45 front end x 2)	$0.15/sheet	$13.50
Total		$39.35

Roadway Final Direct Costs

8 1/2 x 11 (45 front end x 2)	$0.15/sheet	$13.50
11x17 (31 plan sheets x City)	$0.36/sheet	$11.16
8 1/2 x 11 (100 quantity sheets)	0.15/sheet	$15.00
Total		**$39.66**

Project Management Direct Costs

Mileage (approx 26 miles roundtrip) (assume 1 meeting)	$0.565/mile	14.69
Total		14.69



SITE DATA

EXISTING ZONING = GC (GENERAL COMMERCIAL)

MINIMUM LOT SIZE = 10,000 SQ. FT.
LOT SIZE PROVIDED = 154,312 SQ. FT.

106,437 SQ. FT. BUILDING AND PAVEMENT
47,875 SQ. FT. GRASS

PARKING REQUIRED
1 SPACE/300 SQ. FT. OFFICE
1 SPACE/1000 SQ. FT. WAREHOUSE

25% OFFICE PER BUILDING

50,400 SQ. FT. TOTAL BUILDING * 25% = 12,600 SQ. FT.
12,600/300 = 42 SPACES REQUIRED

50,400 SQ. FT. TOTAL BUILDING * 75% = 37,800 SQ. FT.
37,800/1000 = 38 SPACES REQUIRED

80 SPACES REQUIRED
85 SPACES PROPOSED

LEGEND

- IRON PIN FOUND
- IRON PIPE FOUND
- RIGHT-OF-WAY MARKER FOUND
- RR SPIKE FOUND
- EXISTING LIGHT POLE
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING FIRE HYDRANT
- EXISTING WATER VALVE
- O_{WM} EXISTING WATER METER
- EXISTING STORM INLET
- EXISTING MANHOLE
- O_{CO} EXISTING CLEANOUT
- EXISTING SINGLE POLE SIGN
- EXISTING TELEPHONE JUNCTION BOX
- EXISTING ELECTRIC JUNCTION BOX
- G APPROX. LOCATION EXISTING GAS LINE
- T APPROX. LOCATION EX. BURIED TELEPHONE LINE
- W APPROX. LOCATION EXISTING WATER LINE
- OE EXISTING OVERHEAD ELECTRIC LINE
- P APPROX. EXISTING PETROLEUM LINE
- SS EXISTING SANITARY SEWER
- FO APPROX. EXISTING FIBER OPTICS LINE
- EXISTING STORM SEWER
- PROPOSED STORM INLET
- PROPOSED STORM SEWER
- W PROPOSED WATER MAIN
- E PROPOSED ELECTRIC LINE
- G PROPOSED GAS LINE
- PROPOSED DRAINAGE FLOW

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Attachment B

Seal:

DATE: ___/___/___
ERIC R. OLSON, P.E.
EXPIRES 11/30/15

Drawing Issue

9/9/2015	Staff Review Comments

P.M. E. OLSON
L.T. S. JUDISCAK
QA/QC: M. ROSBORG
Job Number: ME14058

Millennia Professional Services
11 Executive Drive, Suite 12
Fairview Heights, Illinois 62208
618.624.8610
FAX: 618.624.8611

MILLENNIA PROFESSIONAL SERVICES

OFFICE - WAREHOUSE
Mascoutah, Illinois

Hayden Properties
136 Lincoln Place Court, Suite 102
Belleville, Illinois 62221

Sheet Title:
SITE PLAN SUBMITTAL

Sheet
1 of 1

HAYDEN CONSTRUCTION
ROAD
MASCOUTAH, IL 62258

Drawings Prepared By:

Brian T. Nickas
452 Micah's Way
Columbia, IL 62236
ph. 618.531.0107
batnickas@charter.net

GENERAL NOTES:

1. PRIOR TO THE BEGINNING OF WORK, THE GENERAL CONTRACTOR SHALL REVIEW ALL ELEVATIONS, RESTRICTIONS AND SITE CONDITIONS AT THE JOB SITE AND NOTIFY THE OWNER OF ANY DRAWING ERRORS OR INCONSISTENCIES.
2. DO NOT SCALE DRAWINGS FOLLOW WRITTEN DIMENSIONS ONLY. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY OWNER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
3. GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL BUILDING PERMITS, WATER TAP FEES, SEWER TAP FEES AND ETC...
4. CHANGES TO THIS WORK ARE ONLY AUTHORIZED IF IN WRITING FROM THE OWNER. THE DESIGN DRAWINGS CONTEMPLATE A FINISHED PIECE OF WORK OF SUCH CHARACTER AND QUALITY AS IS DESCRIBED IN AN IS REASONABLY INFERABLE FROM THEM; AND THE CONTRACTOR, RECOGNIZING THE IMPOSSIBILITY OF PRODUCING DRAWINGS AND SPECIFICATIONS WITH PERFECT ACCURACY, AGREES THAT HIS SUBMITTED BID FOR THE WORK HERE UNDER INCLUDES SUFFICIENT MONEY ALLOWANCE TO MAKE HIS WORK COMPLETE AND OPERABLE, AND IN COMPLIANCE WITH GOOD PRACTICE AND THE ORDINANCES, CODES AND REGULATIONS OF ALL BODIES OR PERSONS HAVING GOVERNMENTAL AUTHORITY OVER IT.

NOTE:
THIS SET OF ARCHITECTURAL DESIGN DRAWINGS DEPICTS ONLY THE DESIGN INTENT OF THE OWNER(S). CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE CODES. DESIGN AND CONSTRUCTION OF ALL OTHER DISCIPLINES, INCLUDING BUT NOT LIMITED TO, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL ENGINEERING TO BE BY OTHERS.

ALL CIVIL ENGINEERING BY OTHERS.
ALL STRUCTURAL CALCS AND DESIGN BY OTHERS.
MECHANICAL, ELECTRICAL, PLUMBING TO BE OF DESIGN-BUILD TYPE BY OTHERS, COORDINATED AND RESPONSIBILITY OF THE CONTRACTOR/ OWNER.

PROJECT NUMBER: 2013-40

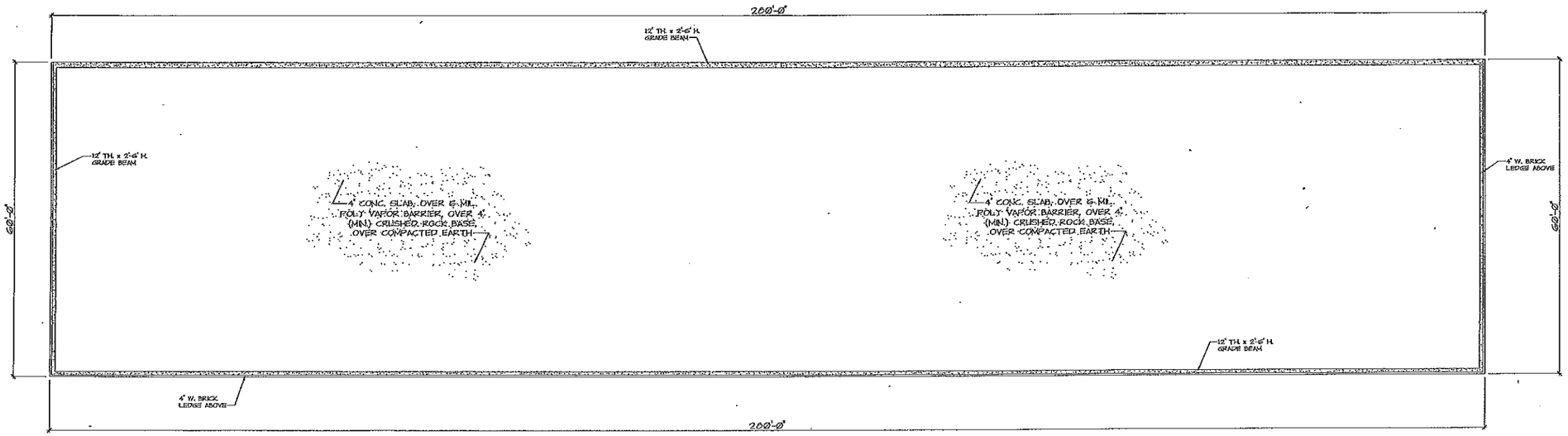
SHEET INDEX:

COVER SHEET
A.100 FOUNDATION PLAN
A.200 OVERALL FLOOR PLAN
A.300 EXTERIOR ELEVATIONS

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COMPLETED DRAWINGS: DECEMBER 19, 2013

Attachment C



BUILDING FOOTPRINT & GROSS SQUARE FEET = 16,000 SQ. FT.

1 / A.100 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

ALL CIVIL ENGINEERING BY OTHERS.
ALL STRUCTURAL CALCS AND DESIGN BY OTHERS.
MECHANICAL, ELECTRICAL, PLUMBING TO BE OF DESIGN-BUILD TYPE BY OTHERS, COORDINATED AND RESPONSIBILITY OF THE CONTRACTOR/ OWNER.

PROJECT NUMBER: 2013-40

REVISIONS:
NO. ___ DATE: _____
DESCRIPTION:
NO. ___ DATE: _____
DESCRIPTION:

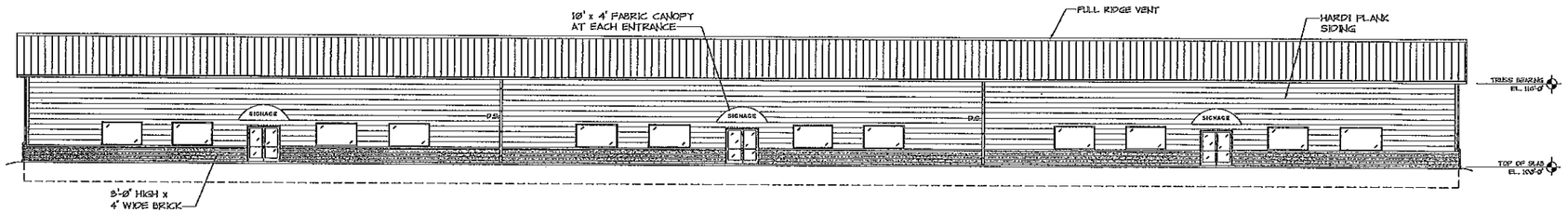
Brian T. Nickas
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452 Micah's Way
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batnickas@charter.net

PROJECT INFO:
HAYDEN CONSTRUCTION
ROAD
MASCOUTAH, ILLINOIS 62258

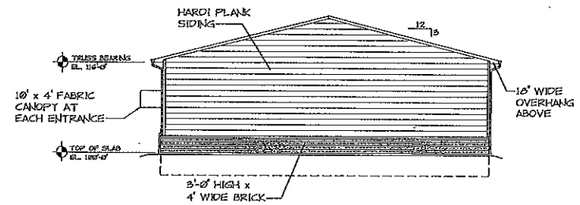
SHEET TITLE:
FOUNDATION PLAN

DATE:
DEC. 19, 2013

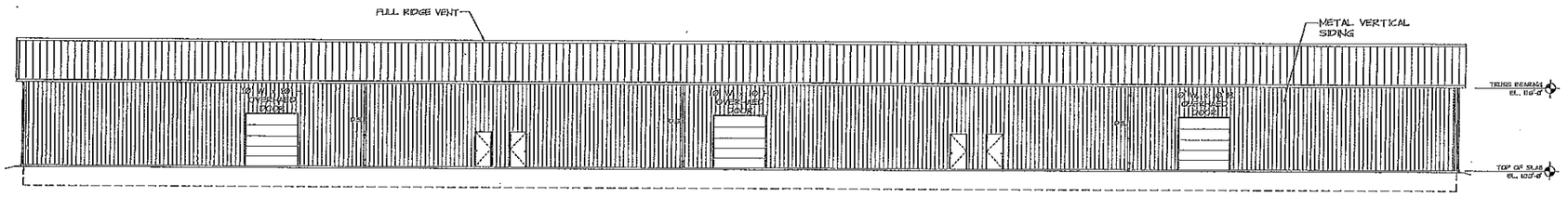
SHEET NUMBER:
A.100



1 A.300 FRONT ELEVATION
SCALE: 3/32" = 1'-0"



2 A.300 RIGHT SIDE ELEVATION
SCALE: 3/32" = 1'-0" (LEFT SIDE SIM./ MIRROR IMAGE)



3 A.300 REAR ELEVATION
SCALE: 3/32" = 1'-0"

PROJECT NUMBER: 2013-40

REVISIONS:
NO. ___ DATE: ___
DESCRIPTION:
NO. ___ DATE: ___
DESCRIPTION:

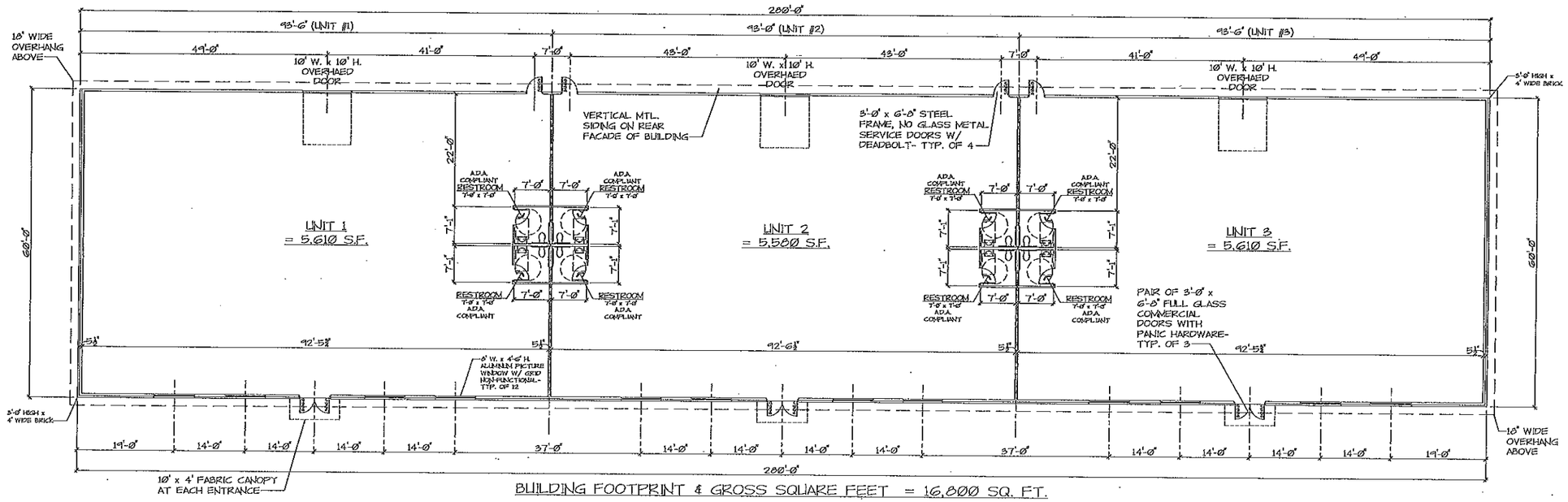
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PROJECT INFO:
HAYDEN CONSTRUCTION
ROAD
MASCOUTAH, ILLINOIS 62258

SHEET TITLE:
EXTERIOR ELEVATIONS

DATE:
DEC. 19, 2013

SHEET NUMBER:
A.300



BUILDING FOOTPRINT & GROSS SQUARE FEET = 16,800 SQ. FT.

1 / A.200 FLOOR PLAN
SCALE: 3/32" = 1'-0"

ALL CIVIL ENGINEERING BY OTHERS.
ALL STRUCTURAL CALCS AND DESIGN BY OTHERS.
MECHANICAL, ELECTRICAL, PLUMBING TO BE OF DESIGN-BUILD TYPE BY OTHERS, COORDINATED AND RESPONSIBILITY OF THE CONTRACTOR/ OWNER.

REVISIONS:

NO. ___ DATE:
DESCRIPTION:

NO. ___ DATE:
DESCRIPTION:

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PROJECT INFO:

HAYDEN CONSTRUCTION
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MASCOUTAH, ILLINOIS 62258

SHEET TITLE:

OVERALL FLOOR PLAN

DATE:
DEC. 19, 2013

SHEET NUMBER:
A.200

PROJECT NUMBER: 2013-40

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