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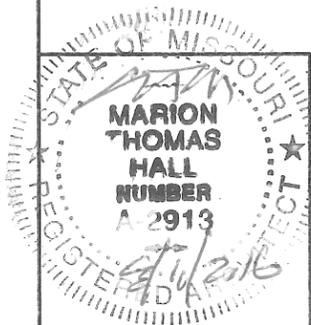
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MISSOURI DEPARTMENT OF TRANSPORTATION

Linn Cold Storage Building
Central District
143 Commercial Drive, Linn, MO 65051
Osage County

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC
ELECTRICAL CODE - CURRENT N.E.C.



COVER SHEET

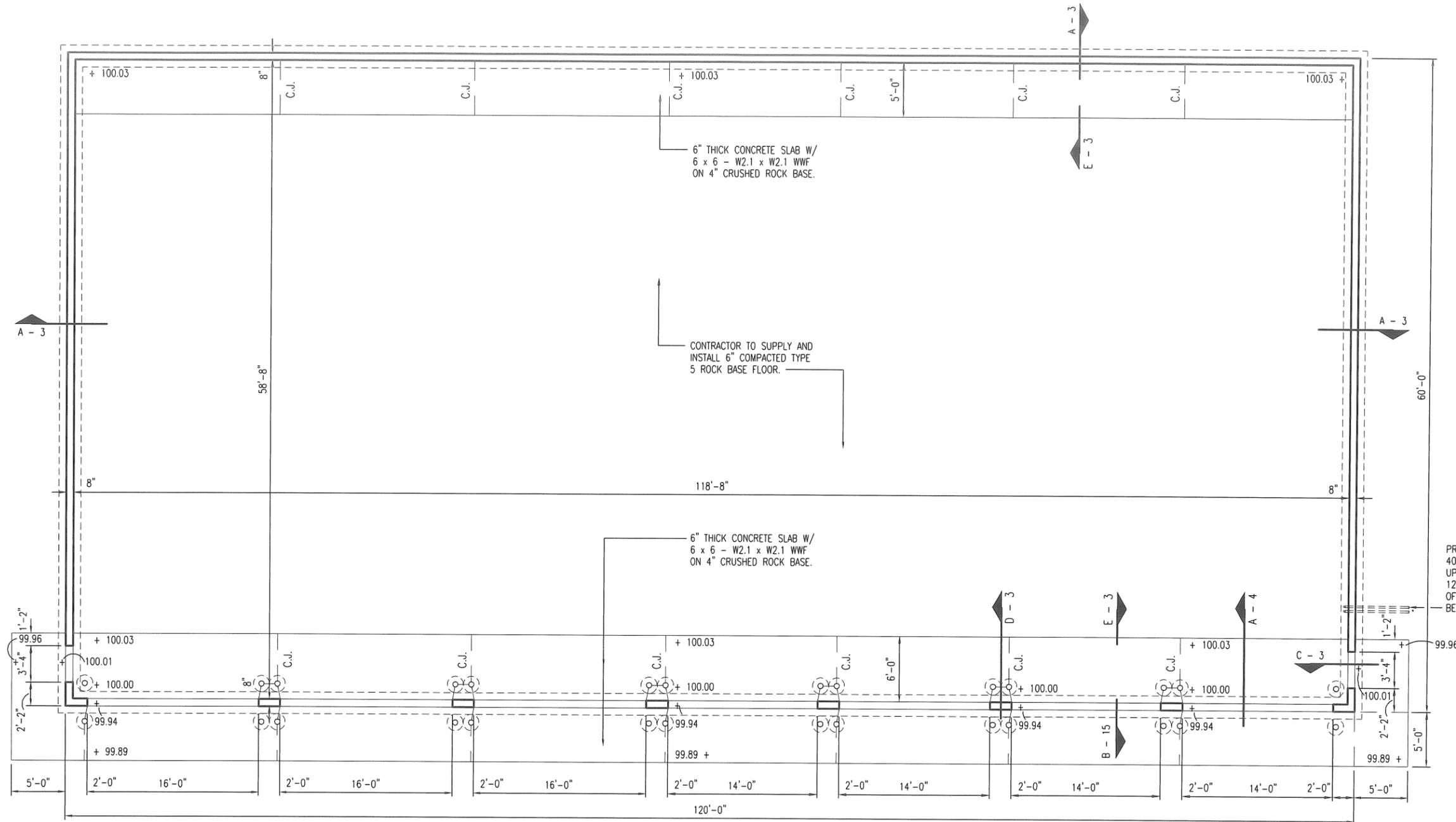
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Linn Cold Storage Building
Central District - Osage County
143 Commercial Drive, Linn, MO 65051

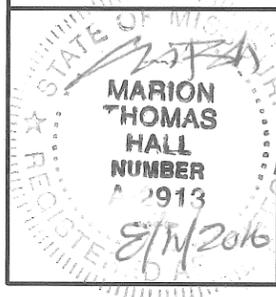
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DATE: 8-10-15

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A
2 FOUNDATION PLAN
SCALE: 3/32" = 1'-0"



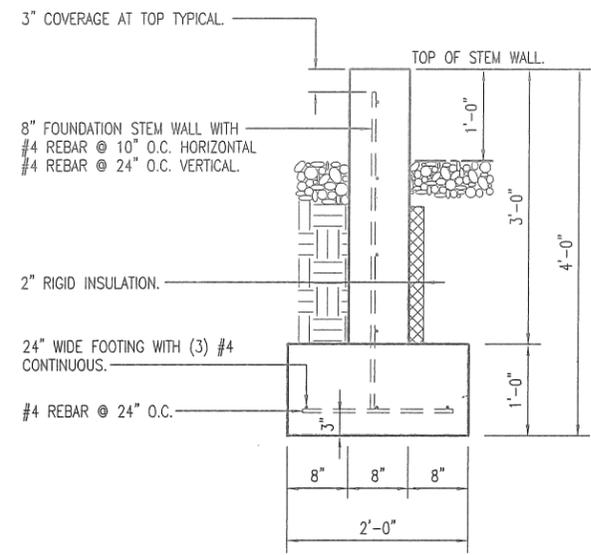
FOUNDATION PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Linn Cold Storage Building
Central District - Osage County
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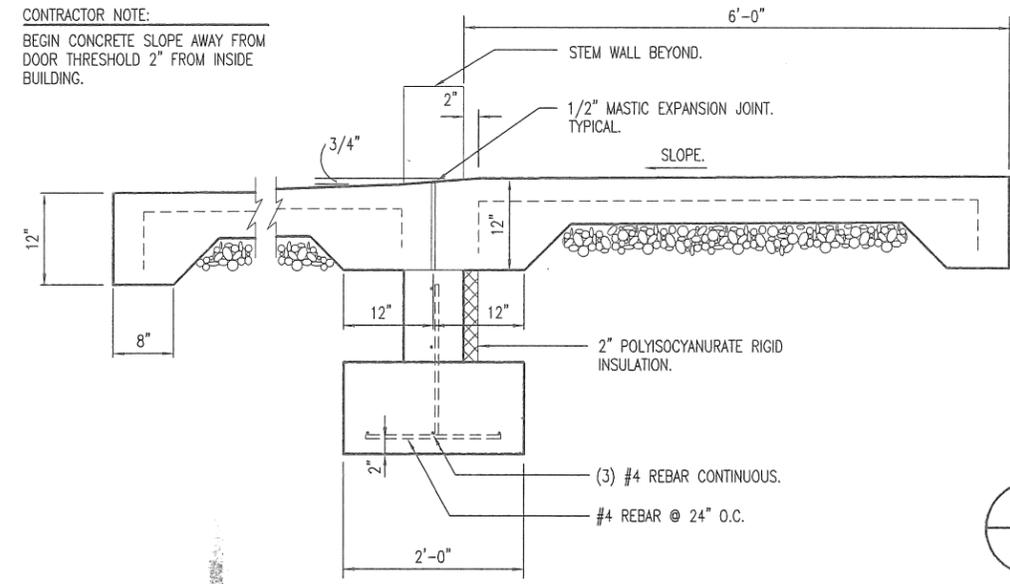
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B STEM WALL
4 SCALE: 1/2" = 1'-0"

CONTRACTOR NOTE:
BEGIN CONCRETE SLOPE AWAY FROM
DOOR THRESHOLD 2" FROM INSIDE
BUILDING.



A APPROACH APRON
4 SCALE: 1/2" = 1'-0"

CONCRETE NOTES

1. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
2. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
3. IF CONDITIONS REQUIRING ROCK EXCAVATION ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
4. ALL CONCRETE SHALL BE TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS AND NOT TO EXCEED 4" SLUMP.
5. FOUNDATION PIERS AND FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL AND 36 INCHES MINIMUM BELOW FINISH GRADE.
6. DEFORMED STEEL REINFORCING BARS SHALL BE: #4 AND LARGER ASTM A615 GRADE 60.
7. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.
8. CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 6% +/- 2%.
9. PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
10. EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.
11. COORDINATE WORK OF OTHER TRADES REQUIRED TO BE INSTALLED IN, UNDER, OR THROUGH CONCRETE PRIOR TO PLACEMENT OF CONCRETE. INSTALL ALL ANCHORAGES AND SLEEVES REQUIRED FOR THE INSTALLATION OF WORK BY OTHER TRADES.
12. ENTIRE PERIMETER OF BUILDING TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.
13. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.
14. ALL EXTERIOR & INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03346.



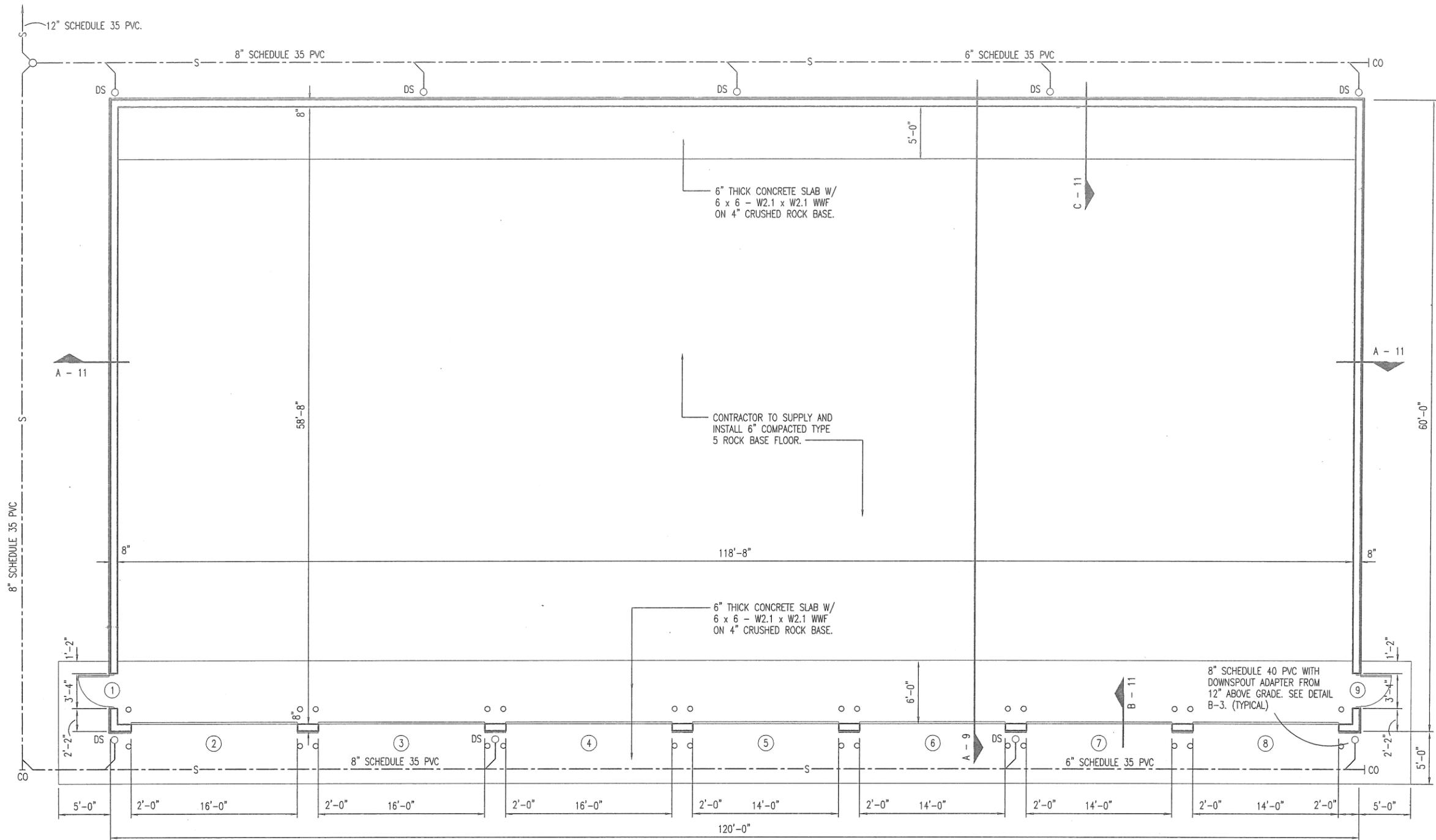
FOUNDATION DETAILS

MISSOURI DEPARTMENT
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FACILITIES MANAGEMENT

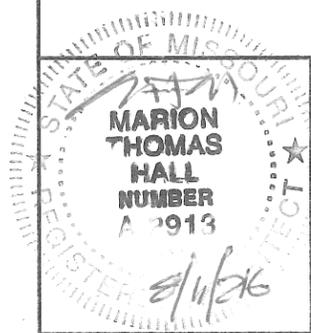
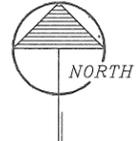
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SEE SITE PLAN. CONTRACTOR TO PROVIDE 20'-0" LONG x 5'-0" x 12" DEEP RIP-RAP. 3" DIAMETER ROCK. CHANGE TO SCH. 40 PVC, 10' BEFORE DAY LIGHTING.



A
5
FLOOR PLAN
SCALE: 3/32" = 1'-0"



FLOOR PLAN

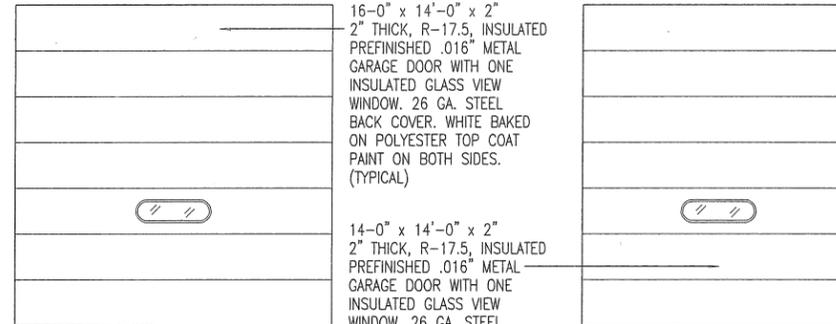
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DOOR SCHEDULE

NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HDWR. GRP.
1	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	C-10	5-3/4"	1
2	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-
3	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-
4	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-
5	14'-0" x 14'-0" x 2"	-	C	-	A & B-10	-	-
6	14'-0" x 14'-0" x 2"	-	C	-	A & B-10	-	-
7	14'-0" x 14'-0" x 2"	-	C	-	A & B-10	-	-
8	14'-0" x 14'-0" x 2"	-	C	-	A & B-10	-	-
9	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	C-10	5-3/4"	1



16'-0" x 14'-0" x 2"
2" THICK, R-17.5, INSULATED
PREFINISHED .016" METAL
GARAGE DOOR WITH ONE
INSULATED GLASS VIEW
WINDOW. 26 GA. STEEL
BACK COVER. WHITE BAKED
ON POLYESTER TOP COAT
PAINT ON BOTH SIDES.
(TYPICAL)

14'-0" x 14'-0" x 2"
2" THICK, R-17.5, INSULATED
PREFINISHED .016" METAL
GARAGE DOOR WITH ONE
INSULATED GLASS VIEW
WINDOW. 26 GA. STEEL
BACK COVER. WHITE BAKED
ON POLYESTER TOP COAT
PAINT ON BOTH SIDES.
(TYPICAL)

TYPE B

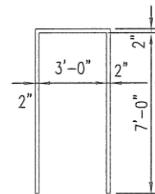
TYPE C

3'-0" x 7'-0" x 1-3/4"
INSULATED HOLLOW METAL
DOOR W/11" x 11" x 3/4"
INSUL. TEMPERED GLASS.
REINFORCED FOR CLOSER.

PRIMED AND PAINTED.

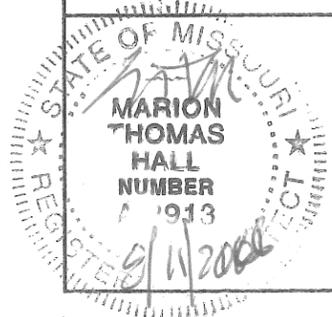


TYPE A



TYPE I

16 GA. WELDED
H.M. FRAME
PRIMED & PAINTED.



SCHEDULES

**MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

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Central District - Osage County
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CONTINUOUS VENTED RIDGE CAP.

26 GAUGE PREFINISHED ROOF PANELS WITH CONDENSATION CONTROL.

PREFINISHED ALUMINUM DOWNSPOUTS & GUTTERS.

PHOTOELECTRIC CONTROLLED LIGHTING FIXTURE.

26 GAUGE PREFINISHED EXTERIOR WALL PANELS.

FOAM CLOSURE WITH RAT GUARD TRIM. (TYPICAL)

FINISHED FLOOR EL. 100.00

BOTTOM OF FTG. EL. 97.00

16'-4" TRUSS BEARING

DOWNSPOUT ADAPTERS ARE TYPICAL AT EACH. SEE DETAIL B-3 AND SITE PLAN.

B NORTH ELEVATION
7 SCALE: 3/32" = 1'-0"

CONTINUOUS VENTED RIDGE CAP.

26 GAUGE PREFINISHED ROOF PANELS WITH CONDENSATION CONTROL.

PROVIDE CONTINUOUS SNOWGUARDS BOTH SIDES OF BUILDING.

PREFINISHED ALUMINUM DOWNSPOUTS & GUTTERS.

PHOTOELECTRIC CONTROLLED LIGHTING FIXTURE.

26 GAUGE PREFINISHED EXTERIOR WALL PANELS.

FOAM CLOSURE WITH RAT GUARD TRIM. (TYPICAL)

FINISHED FLOOR EL. 100.00

BOTTOM OF FTG. EL. 97.00

16'-4" TRUSS BEARING

DOWNSPOUT ADAPTERS ARE TYPICAL AT EACH. SEE DETAIL B-3 AND SITE PLAN.

A SOUTH ELEVATION
7 SCALE: 3/32" = 1'-0"



NORTH & SOUTH ELEVATIONS

MISSOURI DEPARTMENT OF TRANSPORTATION

DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

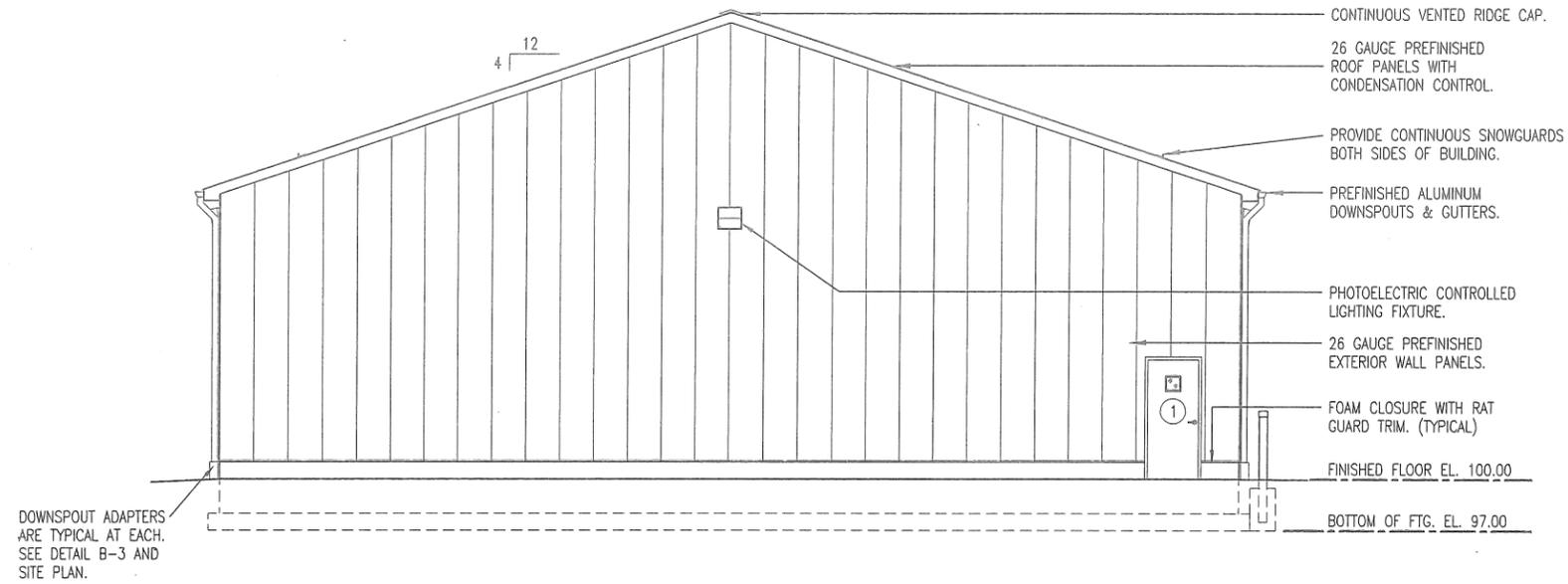
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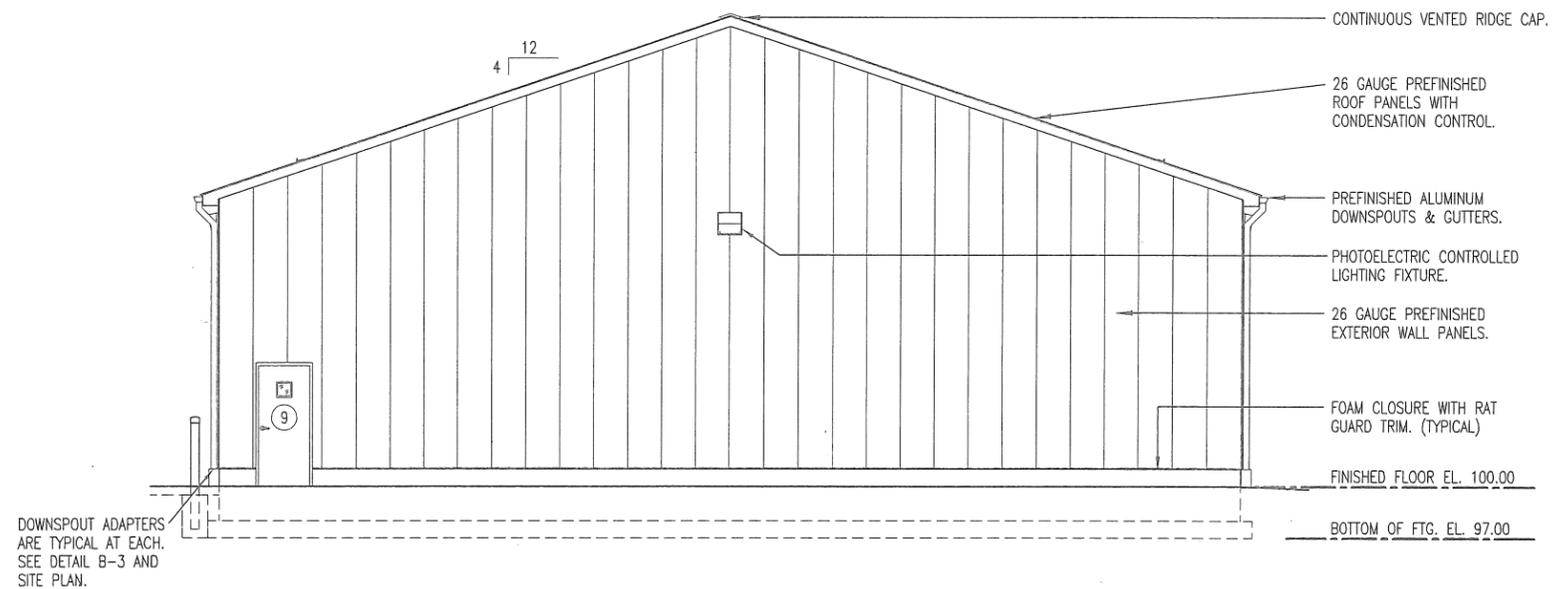
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B WEST ELEVATION
 SCALE: 3/32" = 1'-0"



A EAST ELEVATION
 SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
 MARION THOMAS
 HALL
 NUMBER
 1913
 E(11)/2010

EAST & WEST ELEVATIONS

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

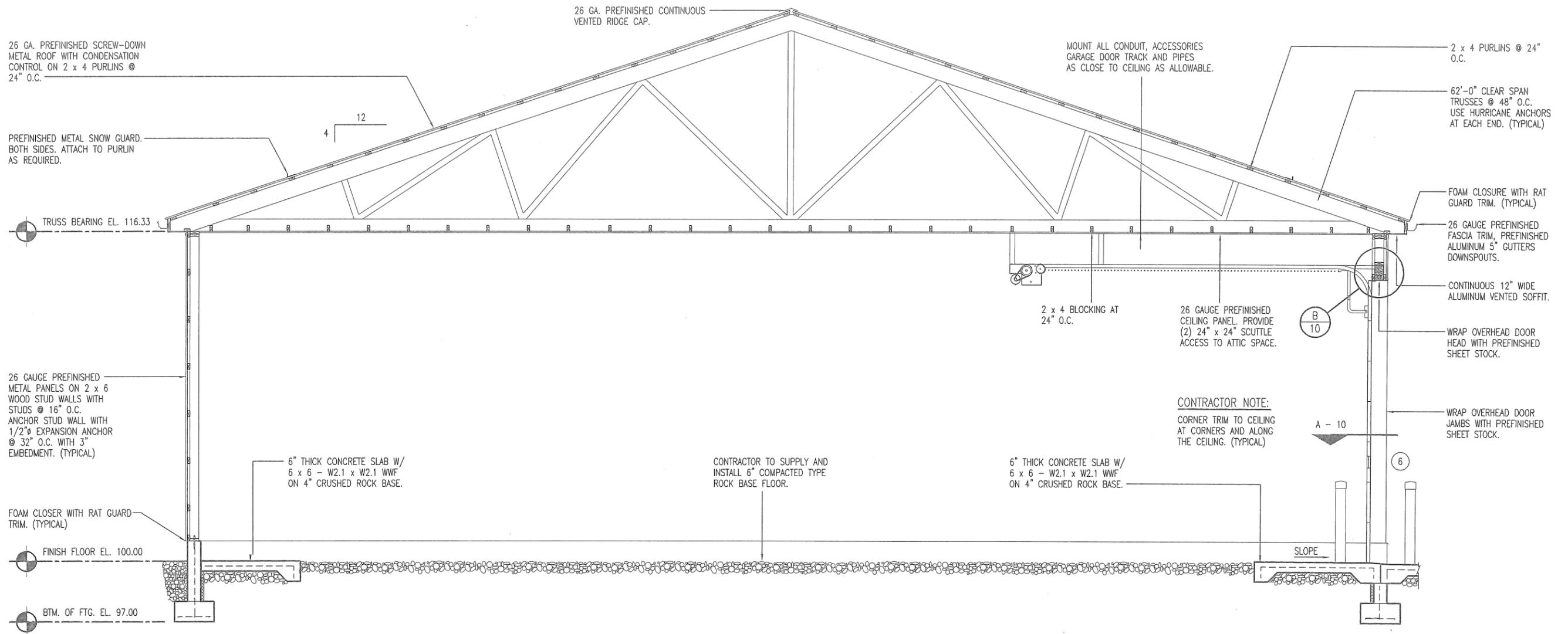
Linn Cold Storage Building
 Central District - Osage County
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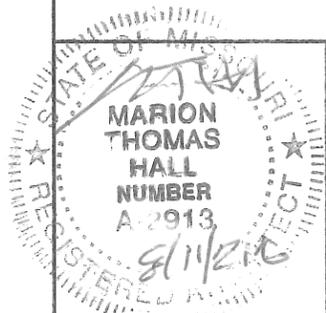
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A
9 BUILDING SECTION
SCALE: 3/16" = 1'-0"



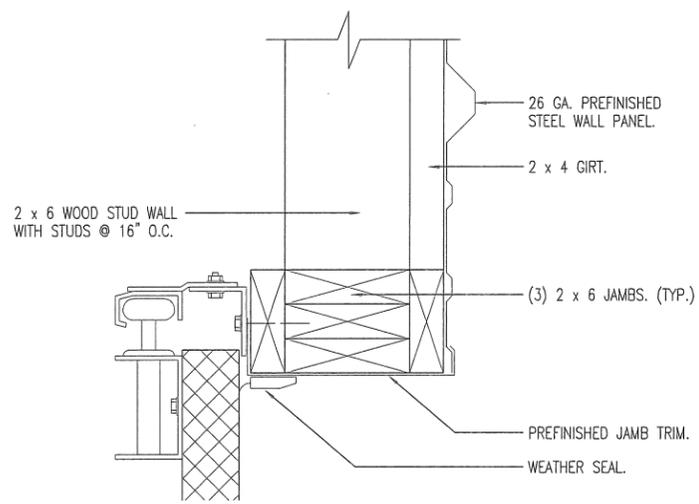
BUILDING SECTION

MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

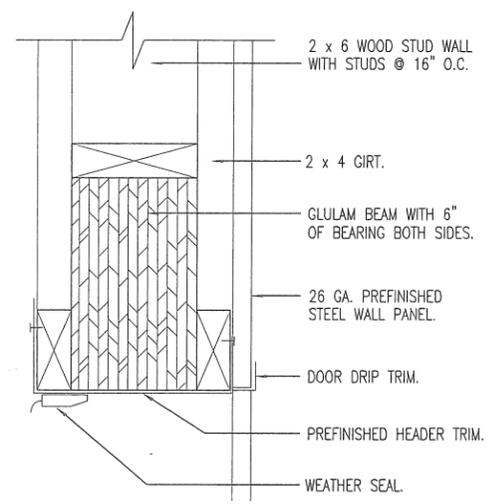
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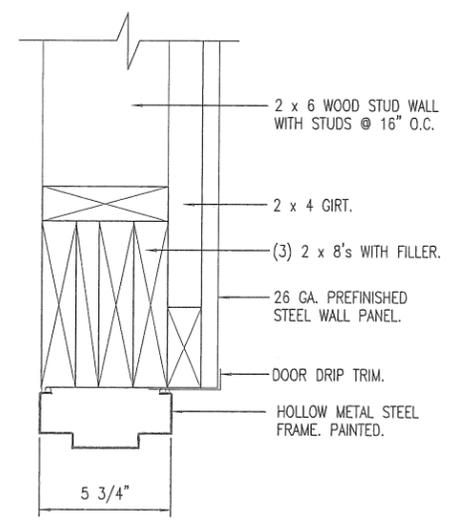
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A GARAGE DOOR JAMB
 10 SCALE: 1-1/2" = 1'-0"



B GARAGE DOOR HEAD
 10 SCALE: 1-1/2" = 1'-0"



C DOOR HEADER/JAMB
 10 SCALE: 1-1/2" = 1'-0"

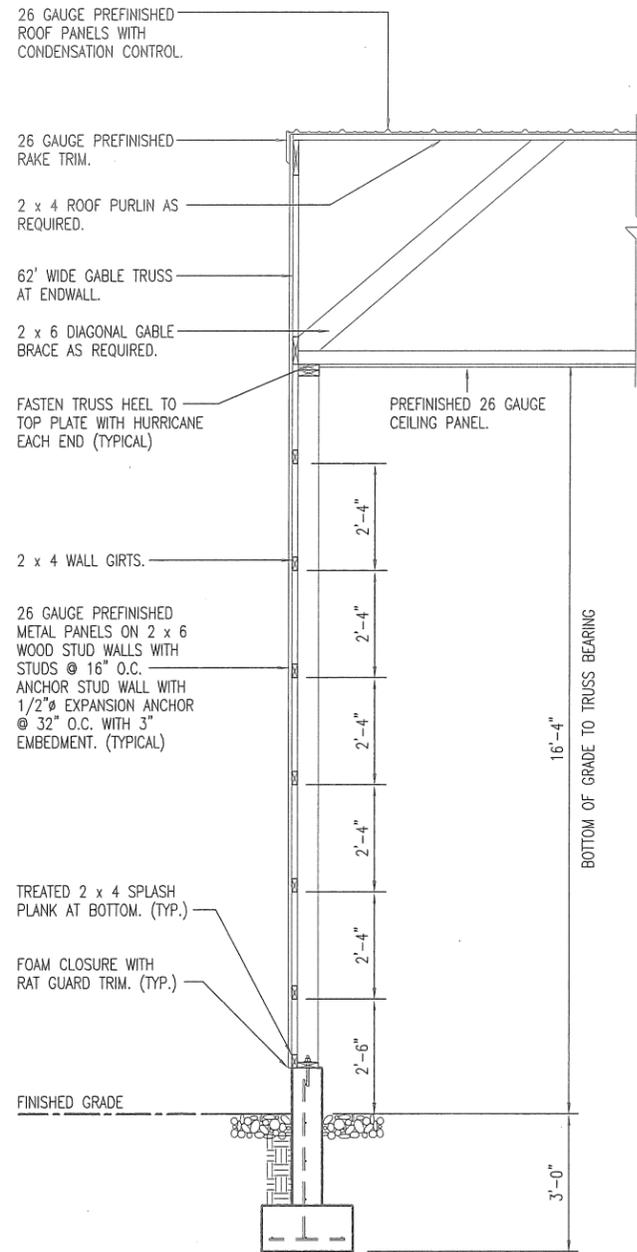


HEAD & JAMB DETAILS

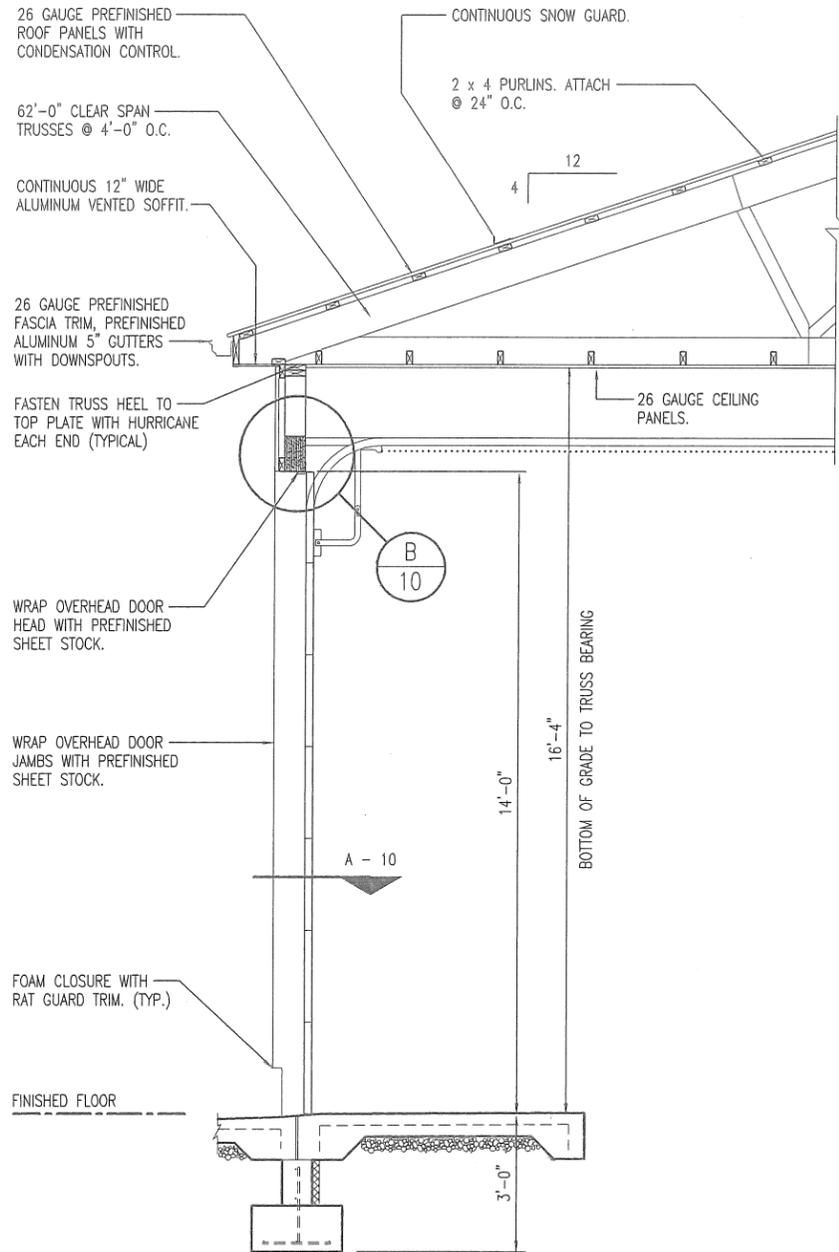
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 FACILITIES MANAGEMENT

Linn Cold Storage Building
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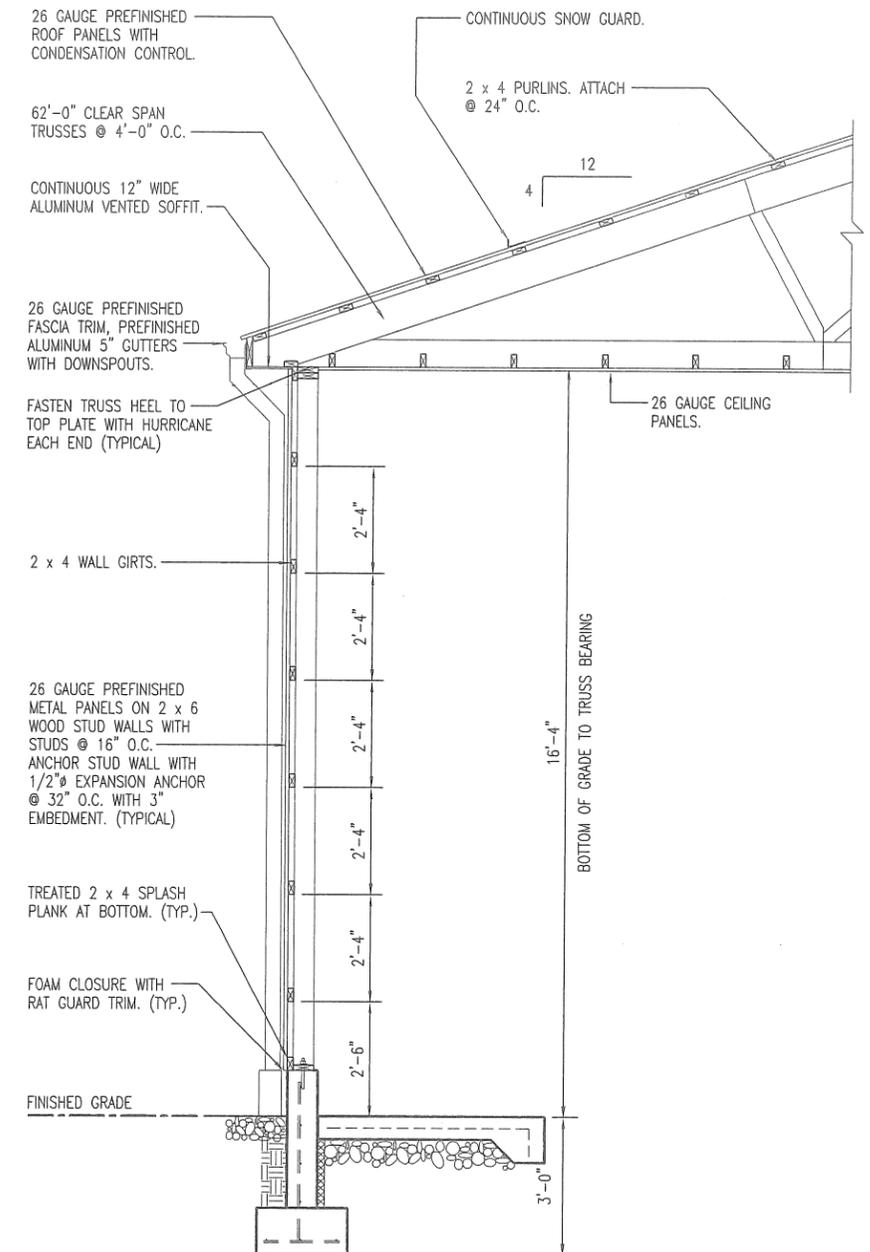
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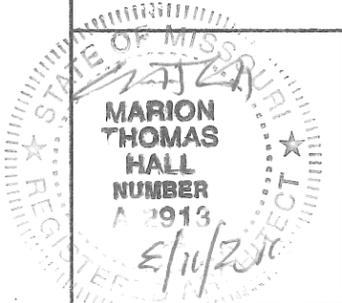
A ENDWALL SECTION
11 SCALE: 1/4" = 1'-0"



B OVERHEAD DOOR SECTION
11 SCALE: 1/4" = 1'-0"



C SIDEWALL SECTION
11 SCALE: 1/4" = 1'-0"

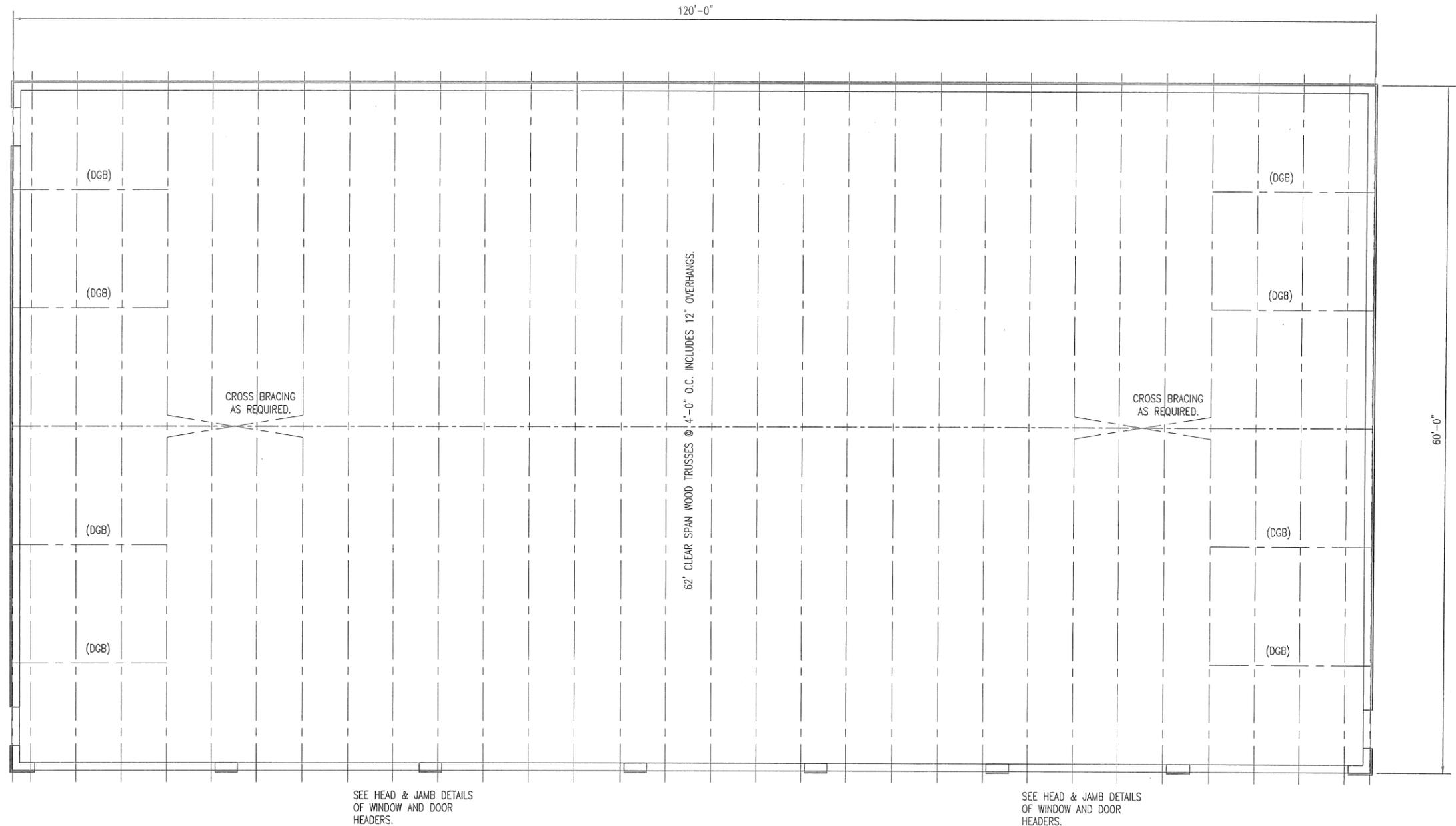


WALL SECTIONS

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

Linn Cold Storage Building
Central District - Osage County
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ROOF FRAMING NOTES

DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

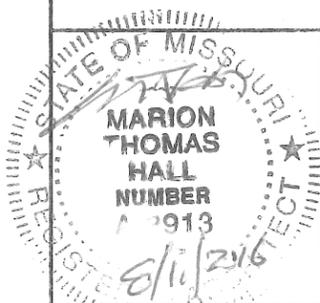
ROOF LIVE LOAD	25 PSF
ROOF DEAD LOAD	4 PSF
BOTTOM CORD DEAD LOAD	5 PSF
EARTHQUAKE	ZONE 1, LATEST EDITION IBC
WIND	90 MPH, EXPOSURE B
DEFLECTION	L/360
SPACING	48" O.C. MAXIMUM

TRUSS DESIGN SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI.

ROOF TRUSSES AND RAFTERS SHALL BE ANCHORED TO THE TOP PLATE OF LOAD BEARING WALLS WITH SEISMIC AND HURRICANE ANCHORS EQUAL TO SIMPSON STRONG-TIE LUS24Z ANCHORS.

PROVIDE (2) 24" x 24" SCUTTLE ACCESS TO ATTIC SPACE. LOCATION BY THE OWNER IN FIELD DURING CONSTRUCTION.

A
12
ROOF FRAMING PLAN
 SCALE: 3/32" = 1'-0"



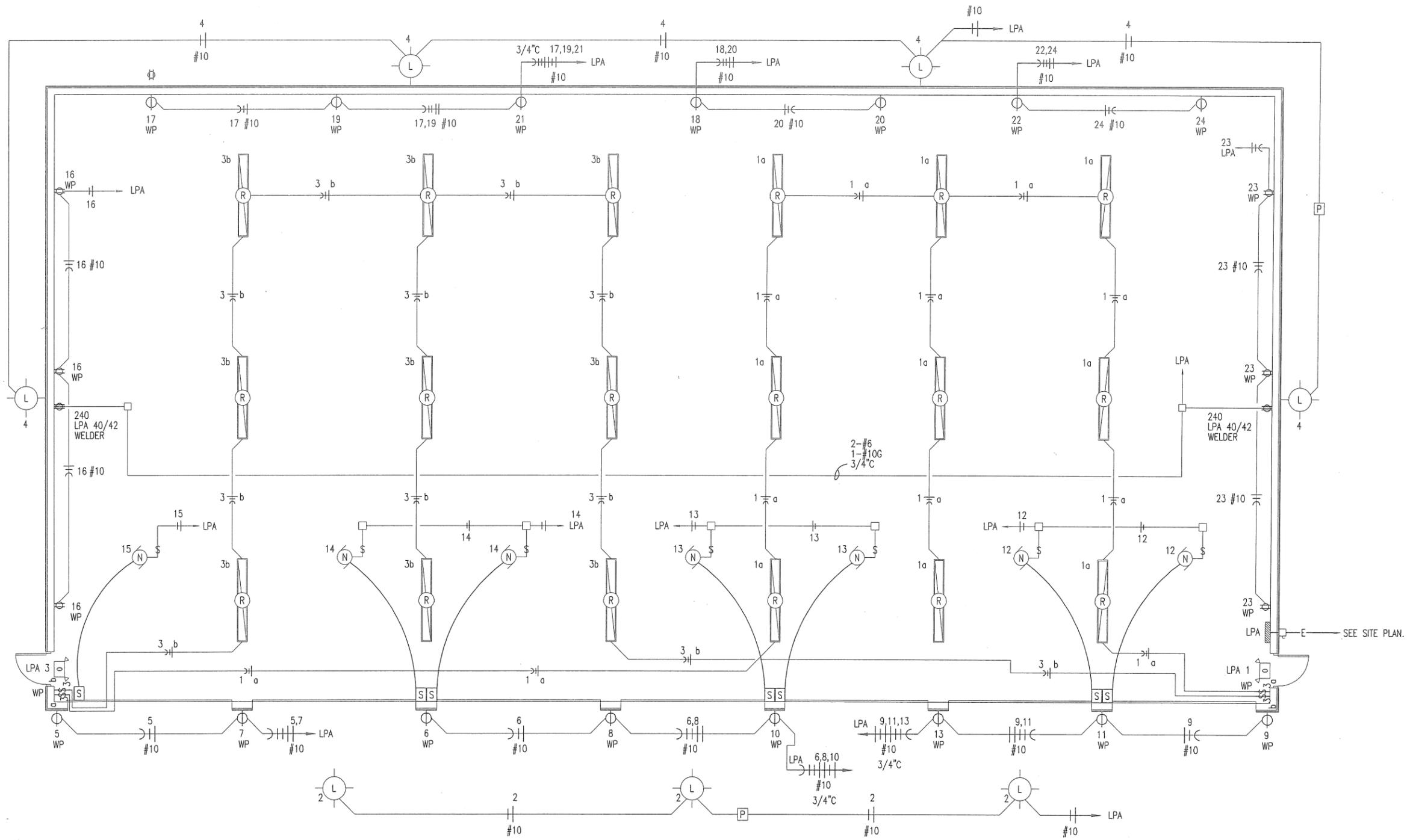
ROOF FRAMING PLAN

**MISSOURI DEPARTMENT
OF TRANSPORTATION**
 DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Linn Cold Storage Building
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DATE: 7-15-16

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A
13 **ELECTRICAL PLAN**
SCALE: 3/32" = 1'-0"



SEE ELECTRICAL SCHEDULE
& NOTES SHEET 14.

STATE OF MISSOURI
REGISTERED ELECTRICIAN
MARION THOMAS
HALL NUMBER
17913
8/14/86

ELECTRICAL PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Linn Cold Storage Building
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ELECTRIC SCHEDULE					
MANUF.	MODEL	#	LAMPS TYPE W	MNT	REMARKS
COOPER L	XTOR9ARL-N		LED 82	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING. PRISMATIC GLASS LENS.
N	OVERHEAD DOOR OPERATOR			WALL	115V, 1-PH, TROLLEY TYPE. SEE SPECIFICATION SECTION 08720.
LITHONIA O	LHQM P W3 R N		LED 11	WALL	QUANTUM THERMOPLASTIC EXIT/UNIT COMBO (2) LED 5.4 KRYPTON LAMPS.
TORK P	2001			WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
WILLIAMS R	GLN-8-L210/8400 WG11-DRV-UNV		LED 171	WALL	8-11/16" x 96" FIXTURE. HEAVING GAUGE ALUMINUM HOUSING WITH WIRE GUARDS.
S	OVERHEAD DOOR CONTROL			WALL	THREE BUTTON OVERHEAD DOOR CONTROL AS SUPPLIED BY OVERHEAD DOOR MANUF. SEE SPECIFICATION SECTION 08720.
ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.					

LEGEND

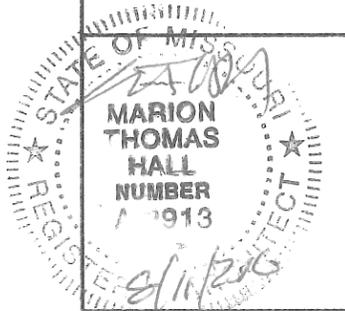
- \$ WP SINGLE POLE OR 3-WAY SWITCH, MOUNT IN FS BOX WITH HUBBELL HBL7420 COVER.
 - Φ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
 - Φ WP SINGLE RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL7423 COVER.
 - \$ SINGLE POLE SWITCH.
 - \$³ 3-WAY SWITCH, SURFACE MOUNTED IN UNFINISHED AREAS @ 48" A.F.F.
 - Φ DUPLEX RECEPTACLE FLUSH MOUNTED IN FINISHED AREAS @ 18" A.F.F. TO BOTTOM OF OUTLET.
 - Φ DUPLEX RECEPTACLE SURFACE MOUNTED IN UNFINISHED AREAS @ 42" A.F.F.
 - Φ WELDER RECEPTACLE SURFACE MOUNTED 42" A.F.F., MOUNT IN 4" SQUARE BOX WITH RAISED COVER.
 - NO FUSED DISCONNECT SWITCH.
 - JUNCTION BOX, SIZE FOR WIRE, FILL ACCORDING TO ARTICLE 314-16 OF THE N.E.C.
- _____ #12 COPPER NEUTRAL CONDUCTOR UNLESS NOTED.
 _____ #12 COPPER PHASE CONDUCTORS UNLESS NOTED.
 _____ 1/2" EMT UNLESS NOTED.
 _____ #12 COPPER GROUNDING CONDUCTOR UNLESS NOTED.

SERVICE PANEL LPA									
MAIN BUS: 200A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE			SQUARE "D" NOOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AIC				CONNECTED LOAD A PHASE 18615 VA B PHASE 16696 VA TOTAL 35311 VA 147 A		
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE	CIR	
1	LIGHTS	1545	20A1P	A	20A1P	246	EXTERIOR LIGHTING	2	
3	LIGHTS	1545	20A1P	B	20A1P	328	EXTERIOR LIGHTING	4	
5	EXTERIOR RECEPTACLE	1000	20A1P	A	20A1P	1000	EXTERIOR RECEPTACLE	6	
7	EXTERIOR RECEPTACLE	1000	20A1P	B	20A1P	1000	EXTERIOR RECEPTACLE	8	
9	EXTERIOR RECEPTACLE	1000	20A1P	A	20A1P	1000	EXTERIOR RECEPTACLE	10	
11	EXTERIOR RECEPTACLE	1000	20A1P	B	30A1P	2162	GARAGE DOOR OPENERS	12	
13	GARAGE DOOR OPENERS	2162	30A1P	A	30A1P	2162	GARAGE DOOR OPENERS	14	
15	GARAGE DOOR OPENER	1081	20A1P	B	20A1P	540	RECEPTACLES	16	
17	RECEPTACLES	1000	20A1P	A	20A1P	1000	RECEPTACLES	18	
19	RECEPTACLES	1000	20A1P	B	20A1P	1000	RECEPTACLES	20	
21	RECEPTACLES	1000	20A1P	A	20A1P	1000	RECEPTACLES	22	
23	RECEPTACLES	540	20A1P	B	20A1P	1000	RECEPTACLES	24	
25				A				26	
27				B				28	
29				A				30	
31				B				32	
33				A				34	
35				B				36	
37				A				38	
39				B	50A2P	4500	WELDER	40	
41				A		4500		42	

● CIRCUIT BREAKER SHALL BE GFI RATED

ELECTRICAL NOTES

- DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.).
- PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
- SWITCHES AND RECEPTACLES SHALL BE EQUAL TO THE AMPERE RATING SHOWN IN THE PANEL SCHEDULE. RECEPTACLES SHALL BE GROUND-FAULT INTERRUPTION TYPE WHERE SHOWN OR AS REQUIRED BY CODE.
- ALL RECEPTACLES IN GARAGE AREA TO BE MOUNTED AT 48" A.F.F.
- COORDINATE WORK WITH OTHER TRADES PRIOR TO COMMENCING WITH ELECTRICAL WORK.
- CONDUCTOR AND BREAKER SIZE MAY VARY PER MANUFACTURER ON THE EQUIPMENT SPECIFIED. ELECTRIC CONTRACTOR TO VERIFY SIZES WITH EXACT EQUIPMENT ORDERED PRIOR TO PURCHASING ELECTRICAL SUPPLIES.
- FIXTURE LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED AFTER COLLABORATION WITH THE OWNER AND OTHER TRADES.
- CONTRACTOR SHALL PROVIDE SERVICE DISCONNECTS AS REQUIRED AT EXTERIOR OF BUILDING.
- PROVIDE BLOCKING FOR ELECTRICAL DEVICES AS REQUIRED FOR A SECURE APPLICATION.
- CONTRACTOR TO PROVIDE AND INSTALL CONDUCTORS IN CONDUIT AS REQUIRED FOR A FUNCTIONAL SYSTEM FROM AN EXISTING 100KVA TRANSFORMER. CONTRACTOR TO PROVIDE A FUSIBLE DISCONNECT ON NEW BUILDING. SIZE AS REQUIRED.



ELECTRICAL PANEL

MISSOURI DEPARTMENT
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FACILITIES MANAGEMENT

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DESIGN BY: LARRY CARVER

DATE: 8-10-15

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