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MISSOURI DEPARTMENT OF TRANSPORTATION

NEW MAINTENANCE COMPLEX STORAGE BUILDING (POLE BARN)

CLAY COUNTY

KANSAS CITY DISTRICT - KANSAS CITY, MISSOURI 64161
3800 North Skiles Avenue

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC

ELECTRICAL CODE - CURRENT N.E.C.

ALTERNATE CONDITIONS:

THE VARYING MAKEUP OF SOILS AND OCCURRENCE OF ROCK IN MANY MODOT DISTRICTS MAY REQUIRE CONSIDERABLE REDESIGN OF THE POST PLACEMENT BELOW GRADE FROM THAT SHOWN IN THESE DRAWINGS. THE BIDDER WILL BE RESPONSIBLE FOR OBTAINING ACCURATE INFORMATION FROM THE DISTRICTS FACILITIES MANAGER (I.E. DRILLINGS OR BORINGS INFORMATION 5'-0" DEEP AT EACH BUILDING CORNER AND AT LEAST ONE INTERMEDIATE SAMPLE TO THIS DEPTH ON THE LONG SIDES OF THE PROPOSED STRUCTURE) SO THAT THE BID WILL REFLECT ANY FOUNDATION REQUIREMENTS BEYOND THOSE SHOWN HERE. INFORMATION COULD INCLUDE PREVIOUS EXCAVATIONS THAT VERIFY FOOTING CONDITIONS THAT WILL BE ENCOUNTERED BY THIS CONTRACTOR.

REQUIRED BUILDING ELEMENTS:

2 x 6 WALL GIRTS - #2 SYP OR EQUAL.

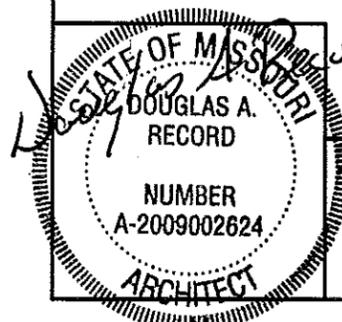
FINISH COAT ON 29 GAUGE METAL SIDING TO BE FLOUROPOLYMER (KYNAR 500 OR EQUAL. POLYESTER IS NOT ACCEPTABLE.

CONNECTION OF ROOF TRUSS TO POST OR HEADER TO BE EQUAL TO SIMPSON TIE #HD-1 OR HD2A.

POSTS TO BE A MINIMUM OF 4'-0" BELOW GRADE IN COMPACTED SOIL.

FABRICATOR NOTES:

THESE DRAWINGS ARE FURNISHED AS A GUIDE TO BIDDERS IN SUBMITTING COMPLETE DETAILED DRAWINGS OF THEIR PROPOSED STRUCTURE TO BE SEALED BY AN ARCHITECT/ENGINEER. WHERE "AS REQUIRED" IS USED THE BIDDER MUST FURNISH A DETAILED DESCRIPTION OF THE BUILDING ELEMENT TO BE FURNISHED.

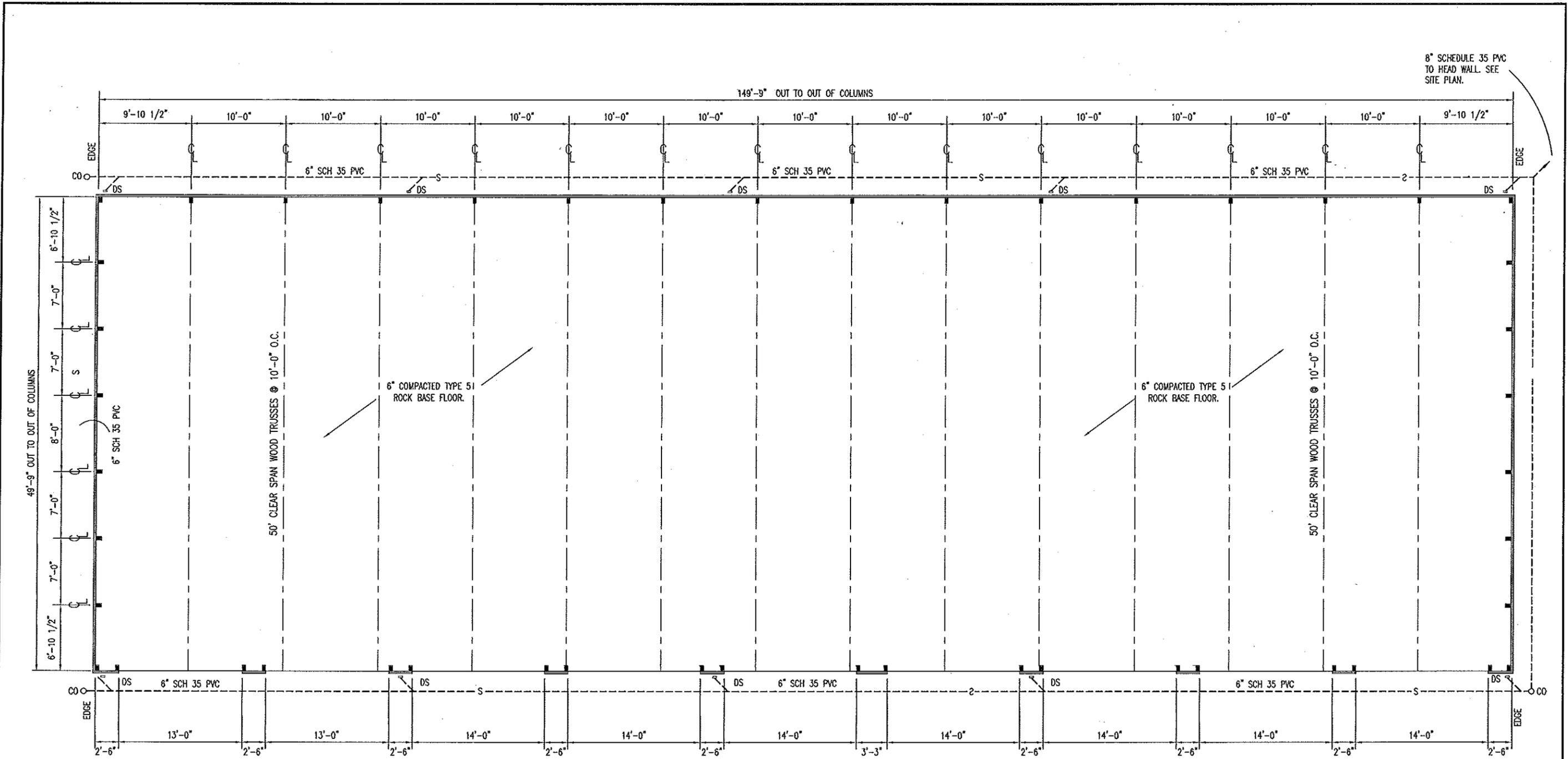


COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

New Maintenance Complex - Storage Building
Kansas City District - Clay County, Kansas City, MO 64161
3800 North Skiles Avenue

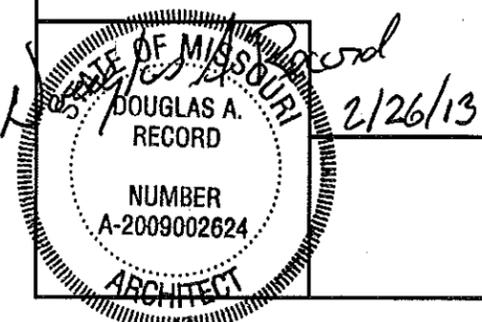
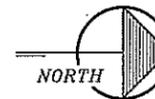
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CONTRACTOR NOTE:

FOR DOWNSPOUT ADAPTERS
SEE DETAIL D-6 ON THE
MAINTENANCE BUILDING
PLANS. (TYPICAL)

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

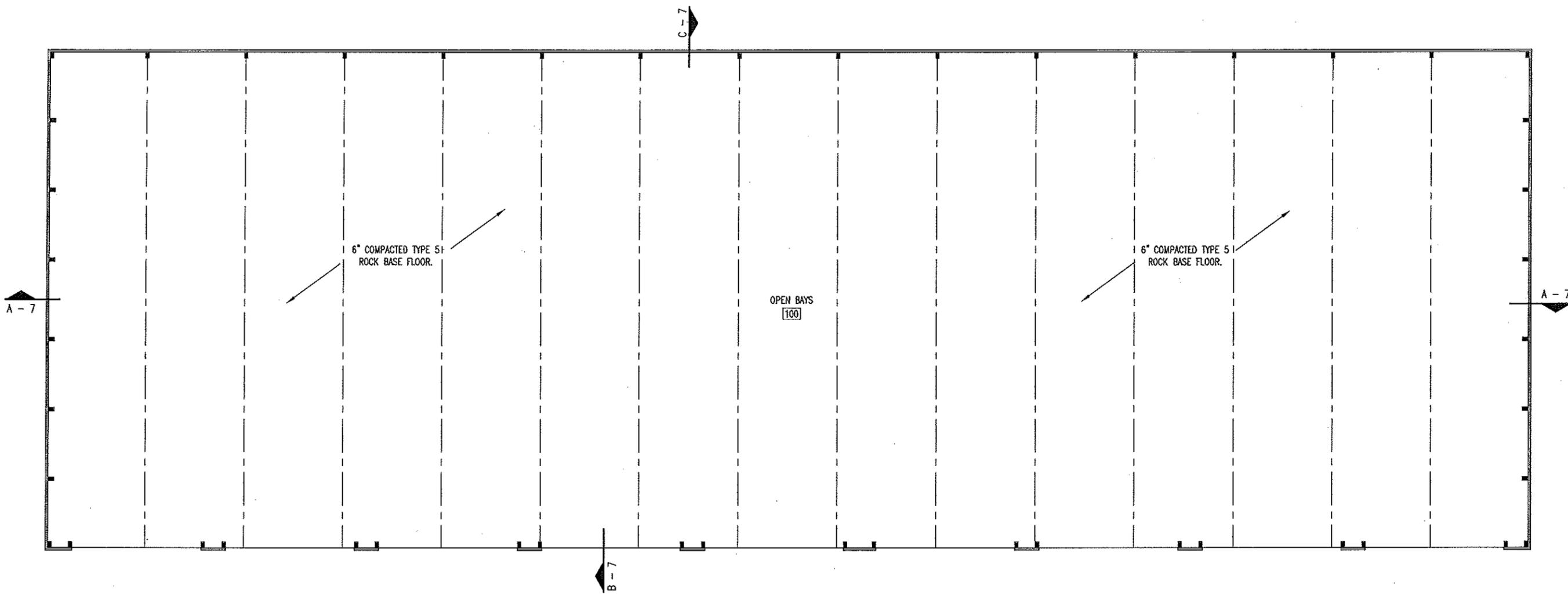


DIMENSIONAL FLOOR PLAN

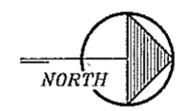
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DIVISION OF GENERAL SERVICES
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A
3
ARCHITECTURAL FLOOR PLAN
 SCALE: 3/32" = 1'-0"



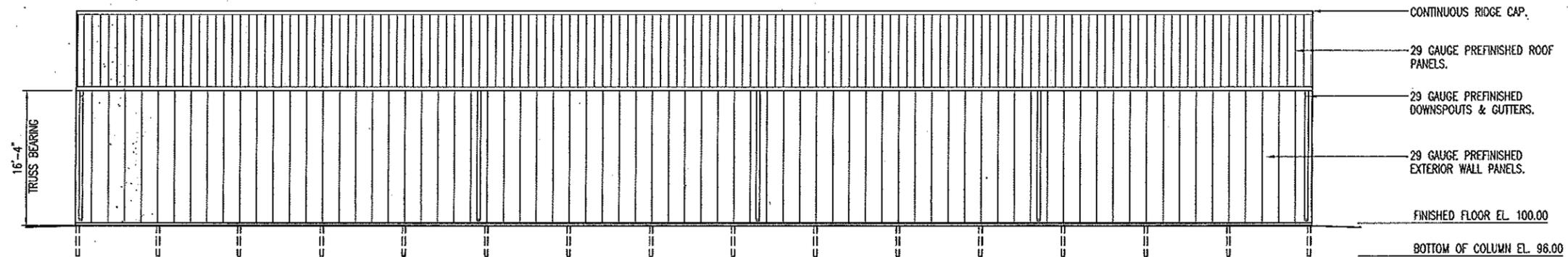
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 DOUGLAS A. RECORD
 NUMBER
 A-2009002624
 ARCHITECT
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ARCHITECTURAL FLOOR PLAN

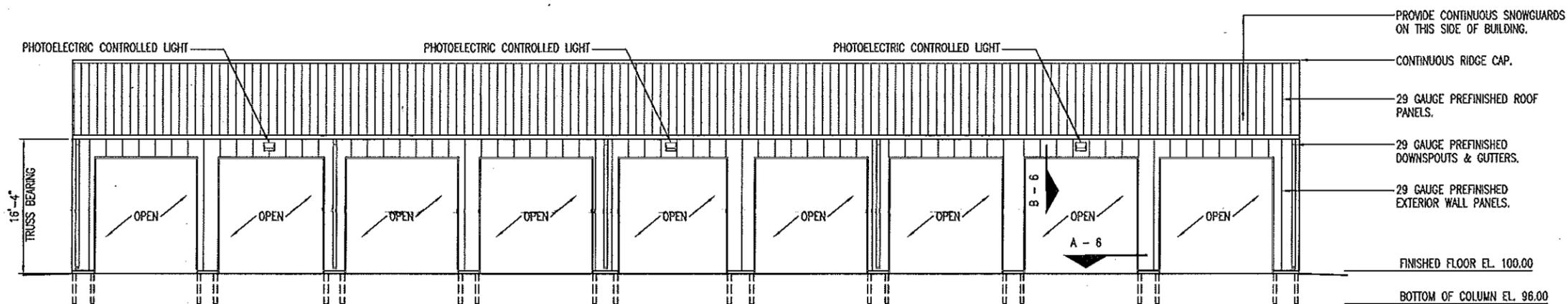
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B REAR ELEVATION
4 SCALE: 1/16" = 1'-0"



A FRONT ELEVATION
4 SCALE: 1/16" = 1'-0"

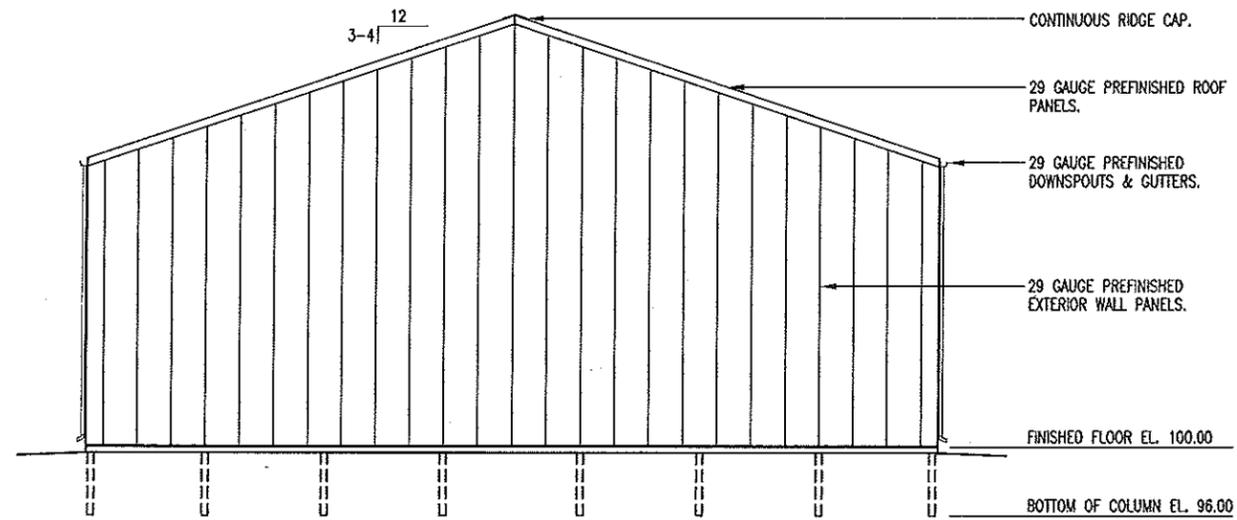
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FRONT & REAR ELEVATIONS

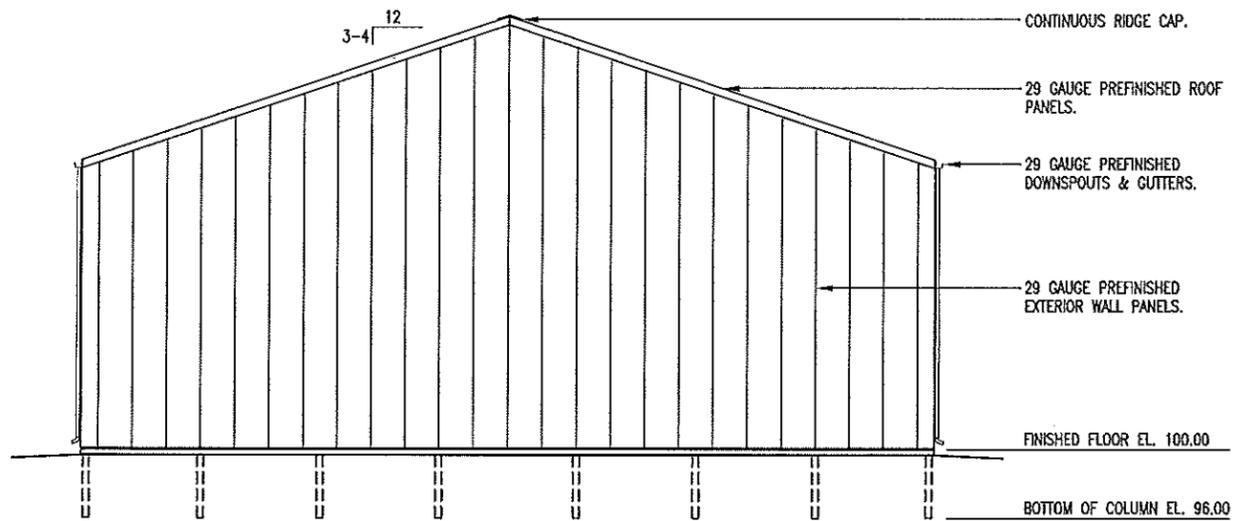
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B RIGHT ELEVATION
 5 SCALE: 3/32" = 1'-0"



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

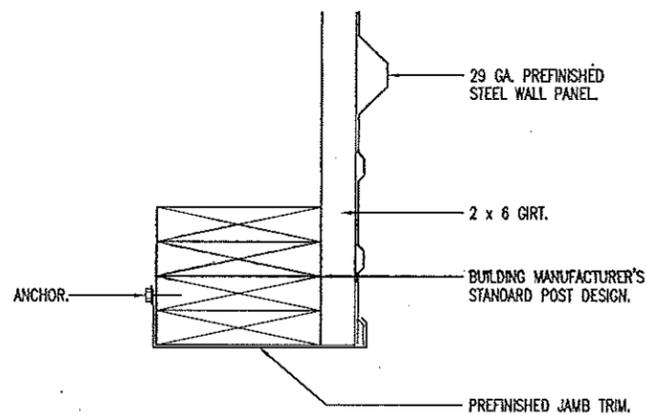
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LEFT & RIGHT ELEVATIONS

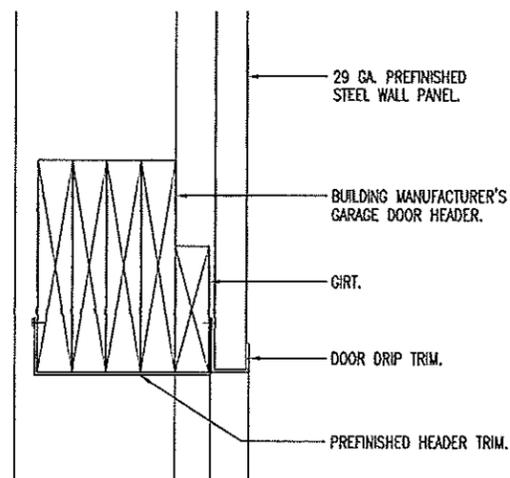
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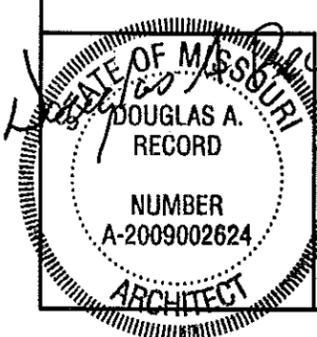
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A GARAGE DOOR JAMB
6 SCALE: 1-1/2" = 1'-0"



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

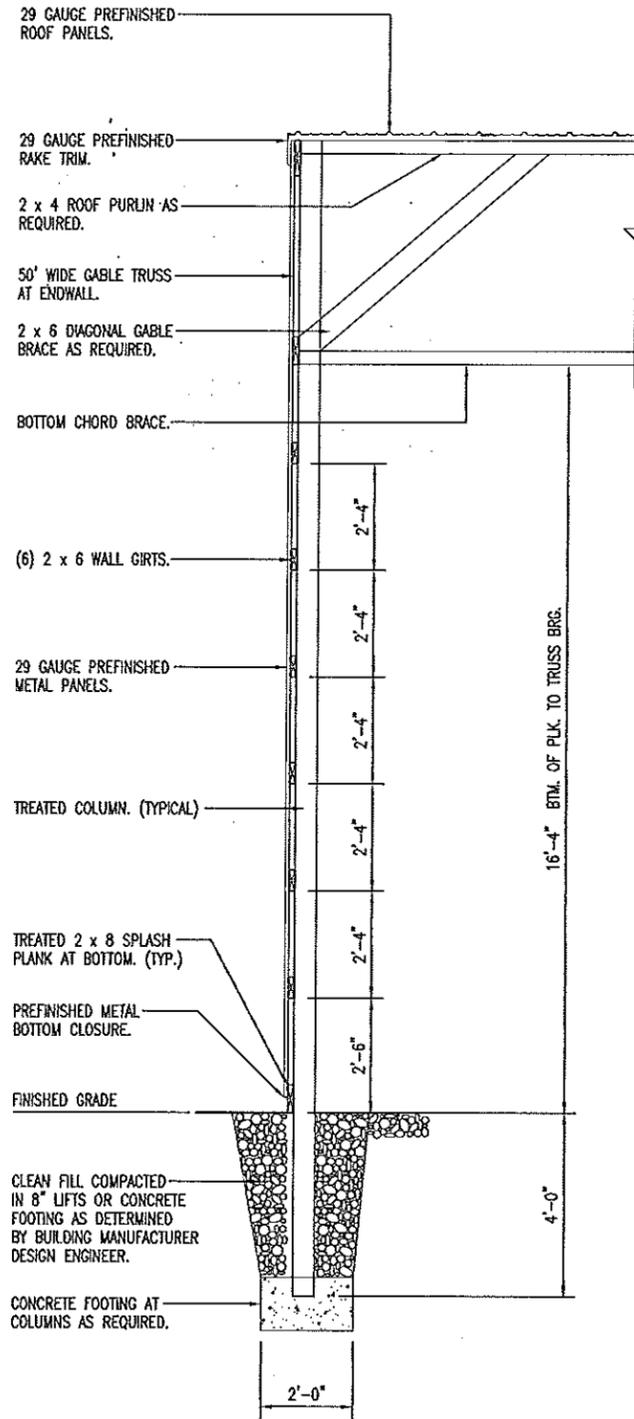


HEAD & JAMBS

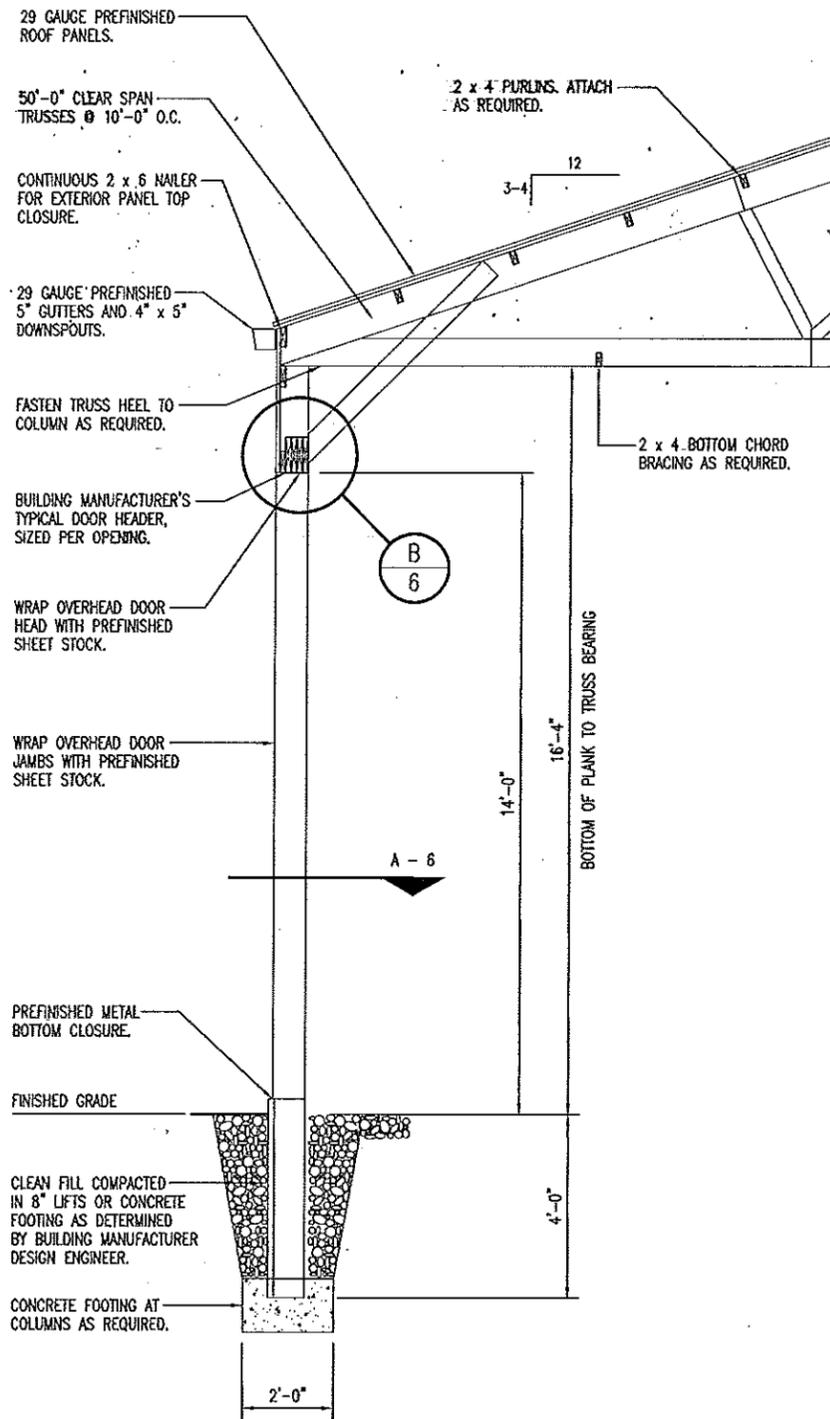
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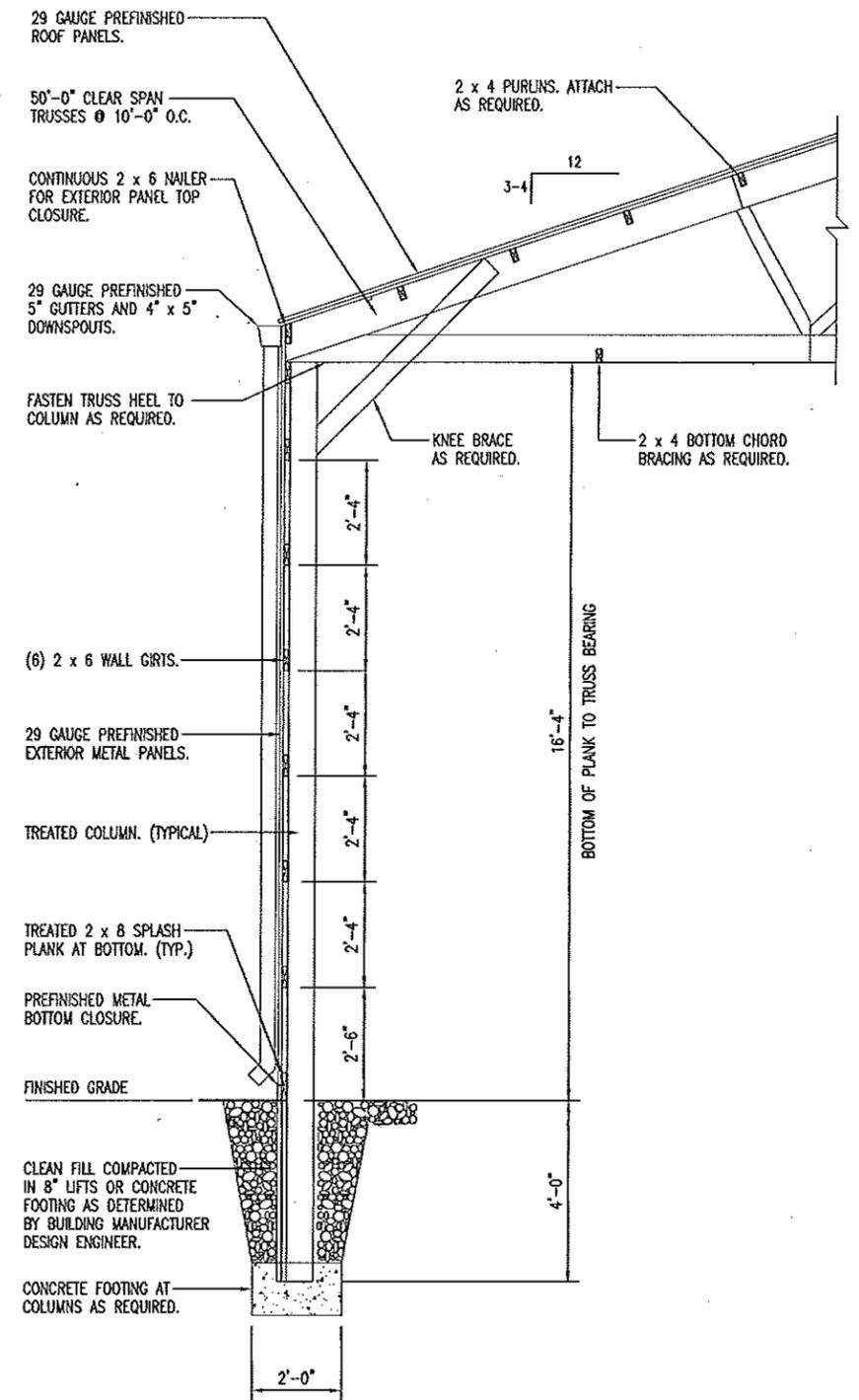
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A ENDWALL SECTION
SCALE: 1/4" = 1'-0"

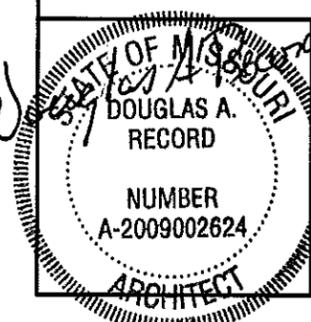


B OVERHEAD DOOR SECTION
SCALE: 1/4" = 1'-0"



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

WALL SECTIONS



MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

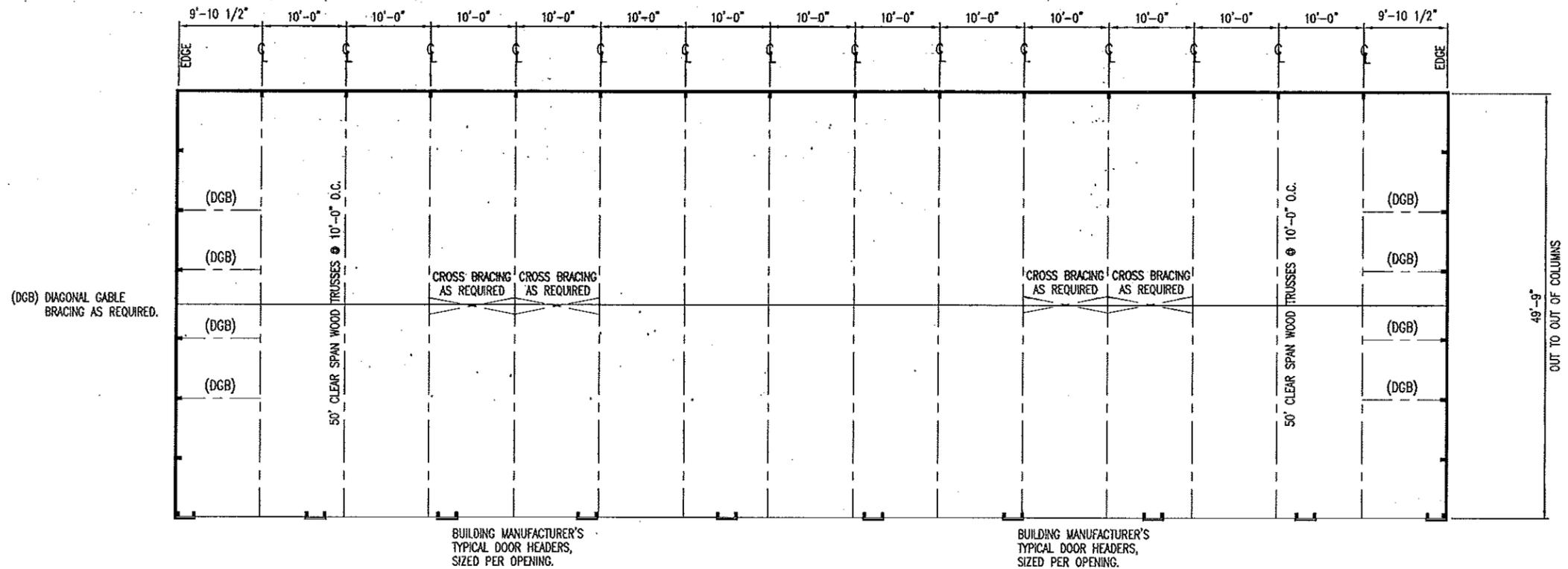
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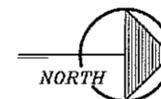
ROOF FRAMING NOTES

- DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

ROOF LIVE LOAD	20 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	AS REQUIRED.
- 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 #H1 ANCHORS.



A ROOF FRAMING PLAN
8 SCALE: 1/16" = 1'-0"



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ROOF FRAMING PLAN

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FACILITIES MANAGEMENT

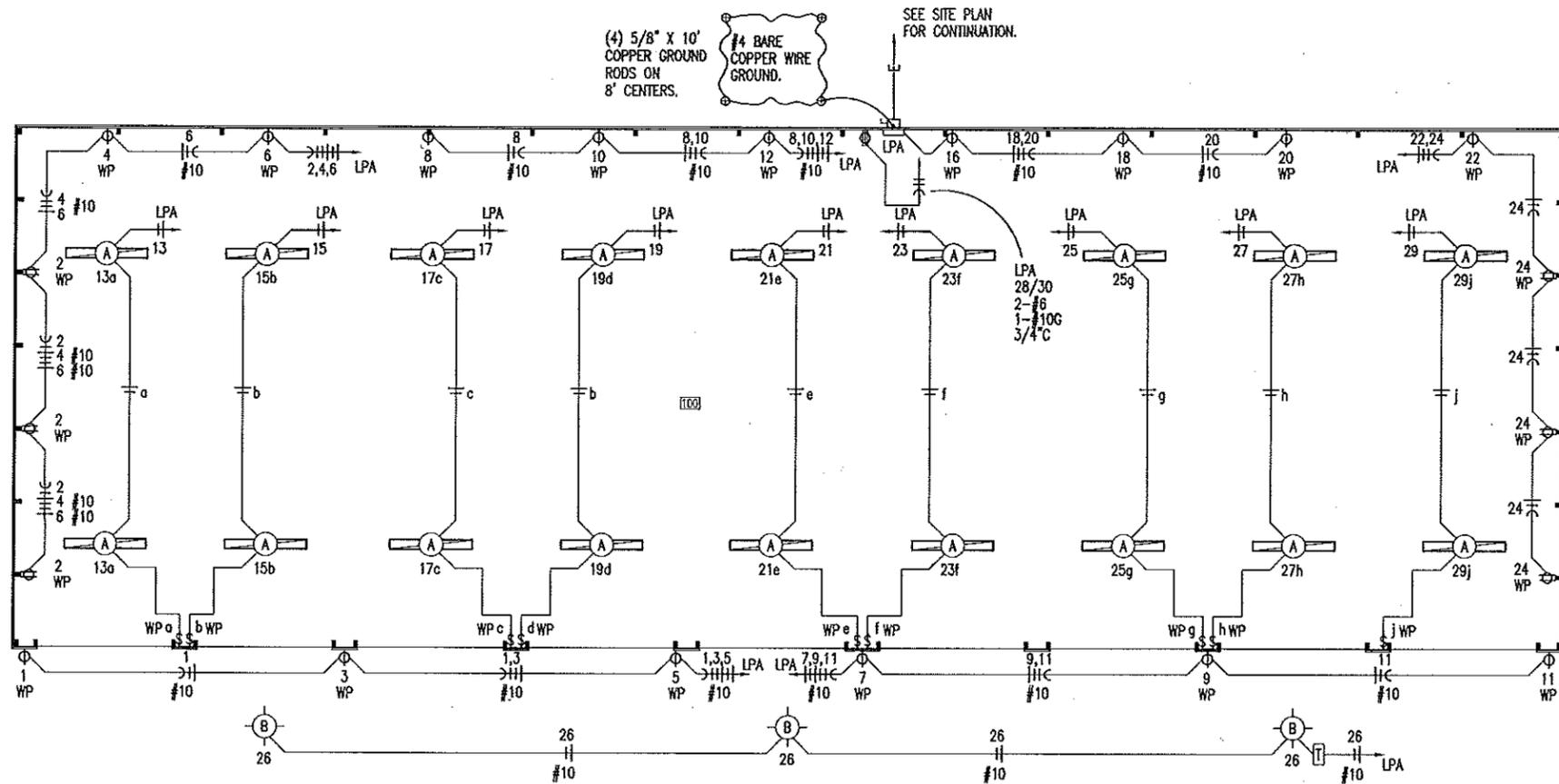
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LEGEND

- ⊗ WP SINGLE POLE SWITCH, MOUNT IN FS BOX W/ HUBBELL HBL 7420 COVER.
- ⊕ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
- ⊙ WP SINGLE RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL7423 COVER.

- ⊕ WELDER RECEPTACLE SURFACE MOUNTED 42" A.F.F., MOUNT IN 4" SQUARE BOX WITH RAISED COVER.
- NO FUSED DISCONNECT SWITCH.
- ⊕ 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.



A
9 ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"



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ELECTRICAL PLAN & LEGEND

MISSOURI DEPARTMENT
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ELECTRIC SCHEDULE

MANUF.	MODEL	#	LAMPS TYPE	W	MNT	REMARKS
WILLIAMS ⓐ	81-8-454T5H-WG-EB2-UNV	8	FLOURESCENT	54	CLG	96" LONG SURFACE MOUNT FLUORESCENT LIGHT FIXTURE, W/ PAINTED STEEL HOUSING, ELECTRONIC BALLAST, & WIRE GUARD.
WILLIAMS ⓑ	PGM-175H-128-2	1	METAL HALIDE	175	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, W/ ALUMINUM HOUSING, & IMPACT RESISTANT ONE-PIECE, WRAP-AROUND LENS.
TORK ⓓ	2001				WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.

ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.

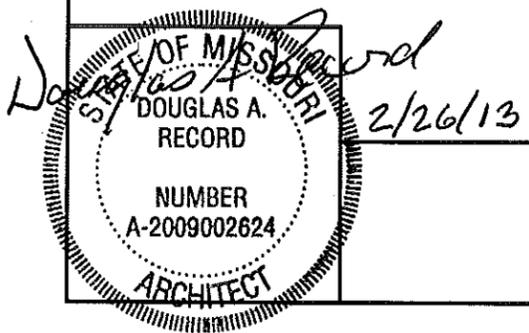
SERVICE PANEL LPA

MAIN BUS: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE		SQUARE "D" HOOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AC				CONNECTED LOAD A PHASE 16908 VA B PHASE 16856 VA TOTAL 33764 VA 141 A		
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE	CIR
1	EXTERIOR -- RECEPTACLE	1000	20A1P	A	20A1P	540	RECEPTACLES	2
3	EXTERIOR -- RECEPTACLE	1000	20A1P	B	20A1P	1000	RECEPTACLES	4
5	EXTERIOR -- RECEPTACLE	1000	20A1P	A	20A1P	1000	RECEPTACLES	6
7	EXTERIOR -- RECEPTACLE	1000	20A1P	B	20A1P	1000	RECEPTACLES	8
9	EXTERIOR -- RECEPTACLE	1000	20A1P	A	20A1P	1000	RECEPTACLES	10
11	EXTERIOR -- RECEPTACLE	1000	20A1P	B	20A1P	1000	RECEPTACLES	12
13	LIGHTS	864	20A1P	A	20A1P		SPARE	14
15	LIGHTS	864	20A1P	B	20A1P	1000	RECEPTACLES	16
17	LIGHTS	864	20A1P	A	20A1P	1000	RECEPTACLES	18
19	LIGHTS	864	20A1P	B	20A1P	1000	RECEPTACLES	20
21	LIGHTS	864	20A1P	A	20A1P	900	RECEPTACLES	22
23	LIGHTS	864	20A1P	B	20A1P	900	RECEPTACLES	24
25	LIGHTS	864	20A1P	A	30A1P	648	EXTERIOR -- LIGHTS	26
27	LIGHTS	864	20A1P	B	50A2P	4500	101 -- WELDER	28
29	LIGHTS	864	20A1P	A		4500		30
31				B				32
33				A				34
35				B				36
37				A				38
39				B				40
41				A				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 BAY 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.
- SEE SPECIFICATION SECTION 16100 - ELECTRICAL FOR ADDITIONAL REQUIREMENTS.



ELECTRICAL PANEL

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