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## CODE REQUIREMENTS

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

# MISSOURI DEPARTMENT OF TRANSPORTATION

NEW POLE BARNs IN SOUTHEAST DISTRICT FOR:

CHARLESTON, MISSOURI 63834  
 6712 North 325th Road  
 MISSISSIPPI COUNTY

SILVA, MISSOURI 63964  
 301 Main Street  
 WAYNE COUNTY

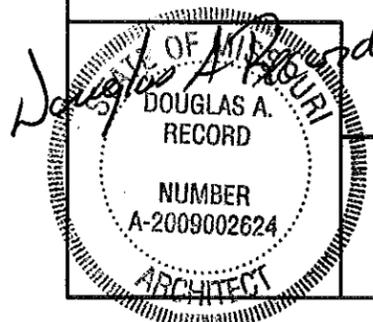
DEXTER, MISSOURI 63841  
 1111 Hickory Log Drive  
 STODDARD COUNTY

## REQUIRED BUILDING ELEMENTS:

- 2 x 6 WALL GIRTS - #2 SYP OR EQUAL.
- FINISH COAT ON 26 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

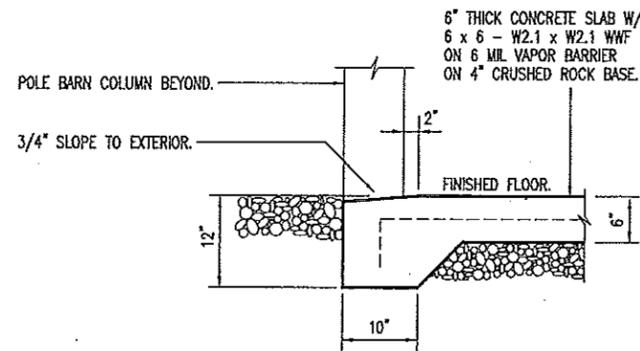
MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

New Pole Barnes in Southeast District for:  
 CHARLESTON, SILVA & DEXTER, MISSOURI  
 Mississippi, Wayne & Stoddard Counties

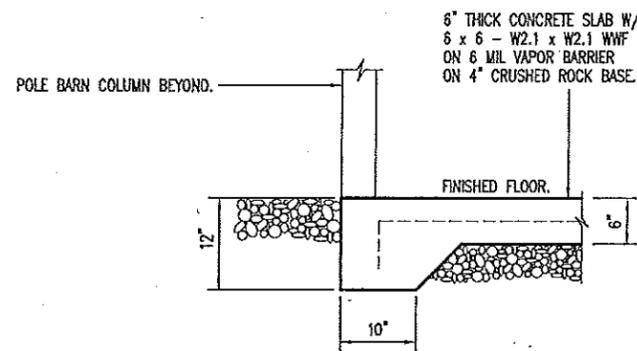
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 Sheet  
 1 of 19

### CONCRETE NOTES

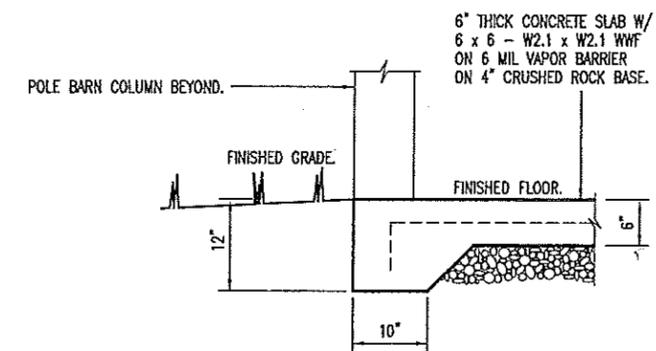
1. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
2. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER 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 WITH 4" SLUMP.
5. CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 6% +/- 2%.
6. DEFORMED STEEL REINFORCING BARS SHALL BE #4 AND LARGER ASTM A615 GRADE 60.
7. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.
8. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.



GARAGE DOOR  
**A**  
**2** EXTERIOR SLAB  
SCALE: 1/2" = 1'-0"



**B**  
**2** FLOOR SLAB EDGE  
SCALE: 1/2" = 1'-0"



**C**  
**2** FLOOR SLAB EDGE  
SCALE: 1/2" = 1'-0"

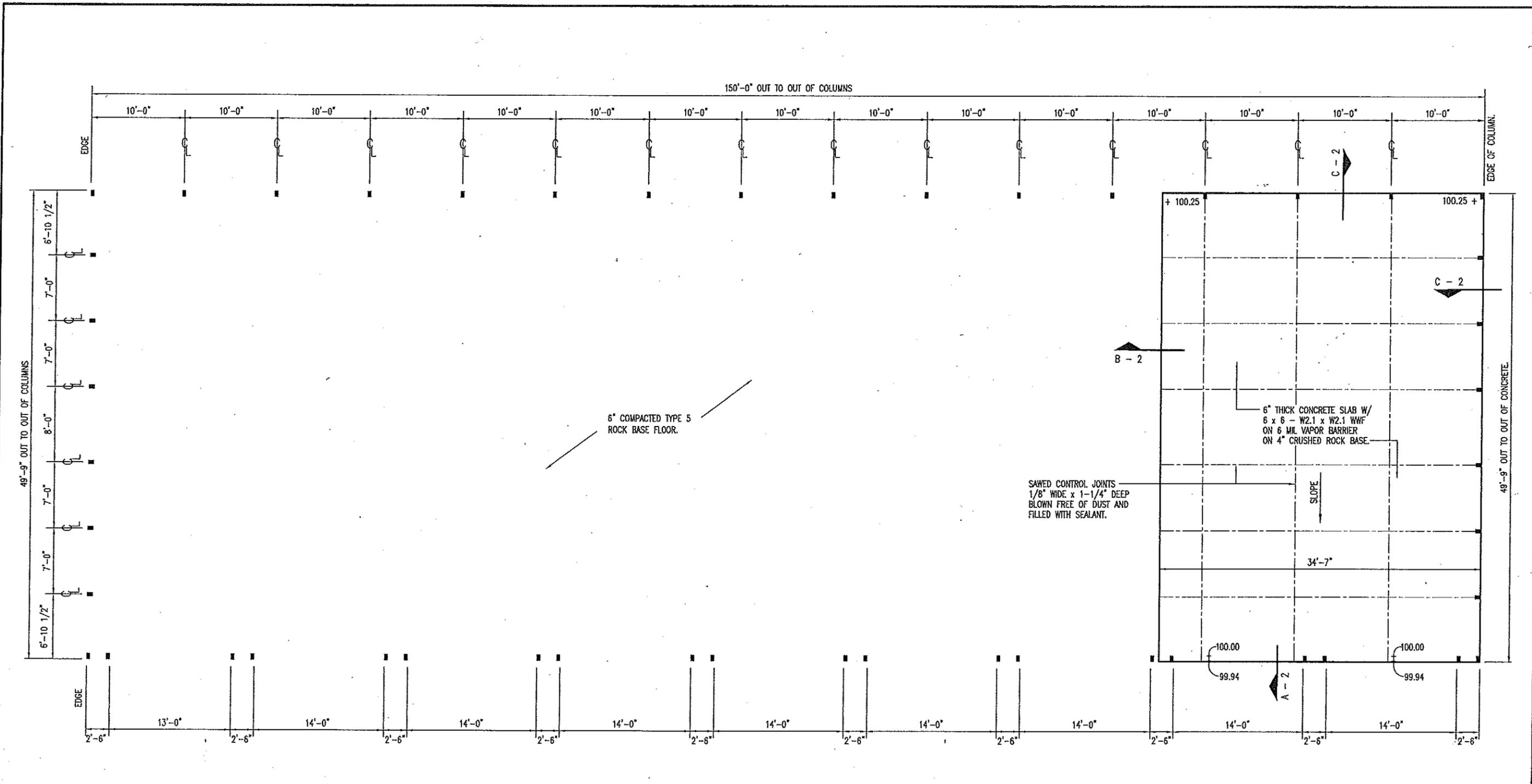
*Record*  
DOUGLAS A.  
RECORD  
NUMBER  
A-2009002624  
ARCHITECT  
5/2/13

## CONCRETE DETAILS

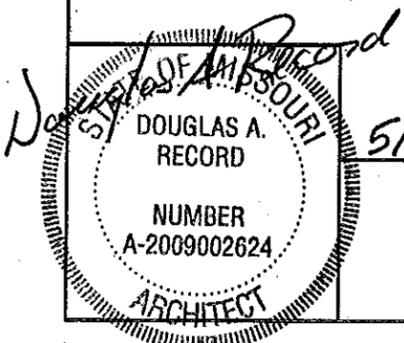
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New Pole Barns in Southeast District for:  
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CHARLESTON & DEXTER  
**A**  
**3** CONCRETE SLAB PLAN  
 SCALE: 3/32" = 1'-0"  
 NORTH

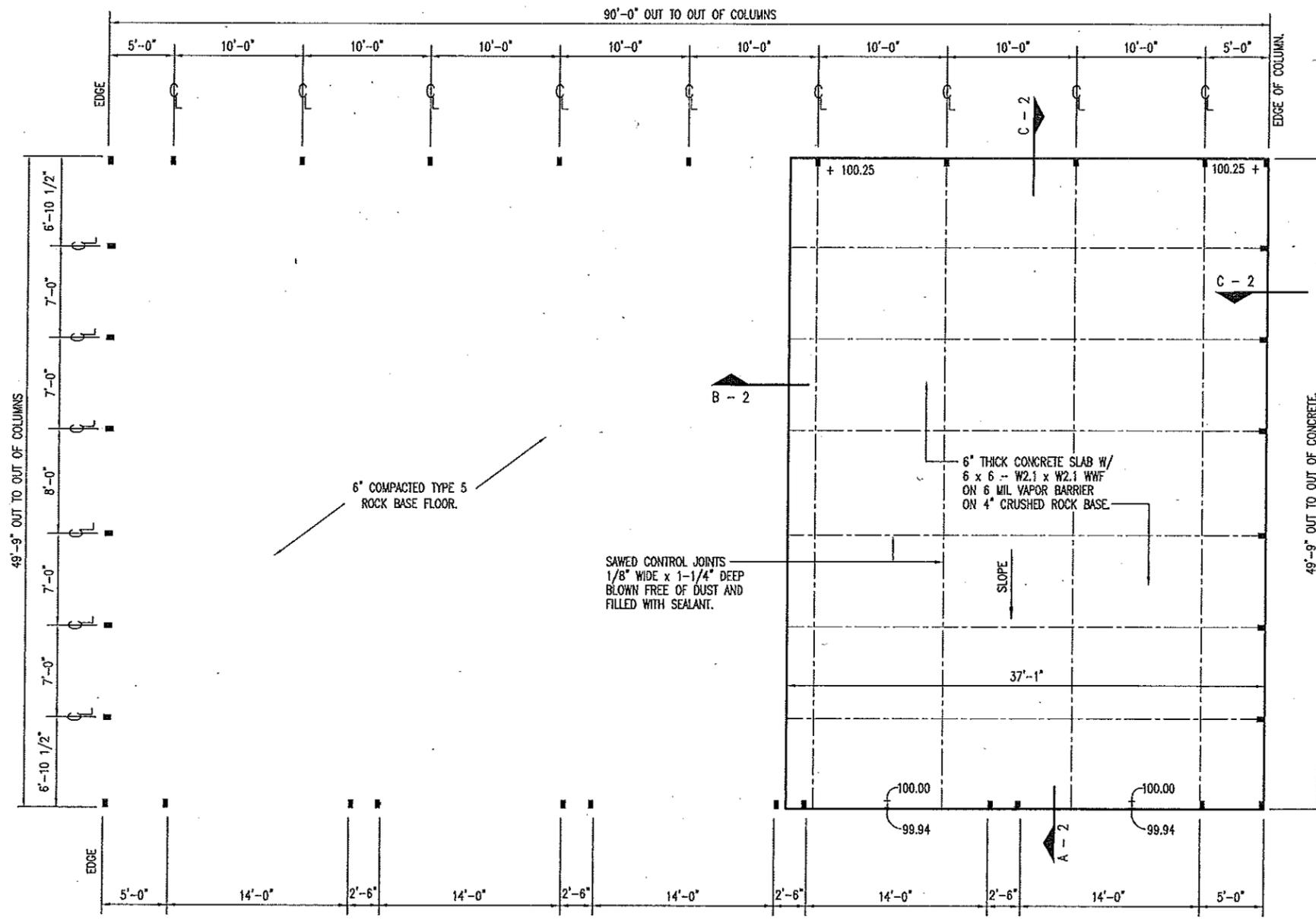


**Charleston & Dexter Concrete Slab Plan**

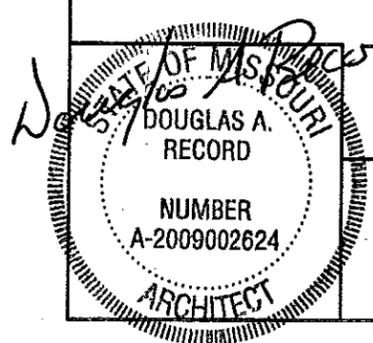
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SILVA  
**A**  
**4** CONCRETE SLAB PLAN  
 SCALE: 3/32" = 1'-0"

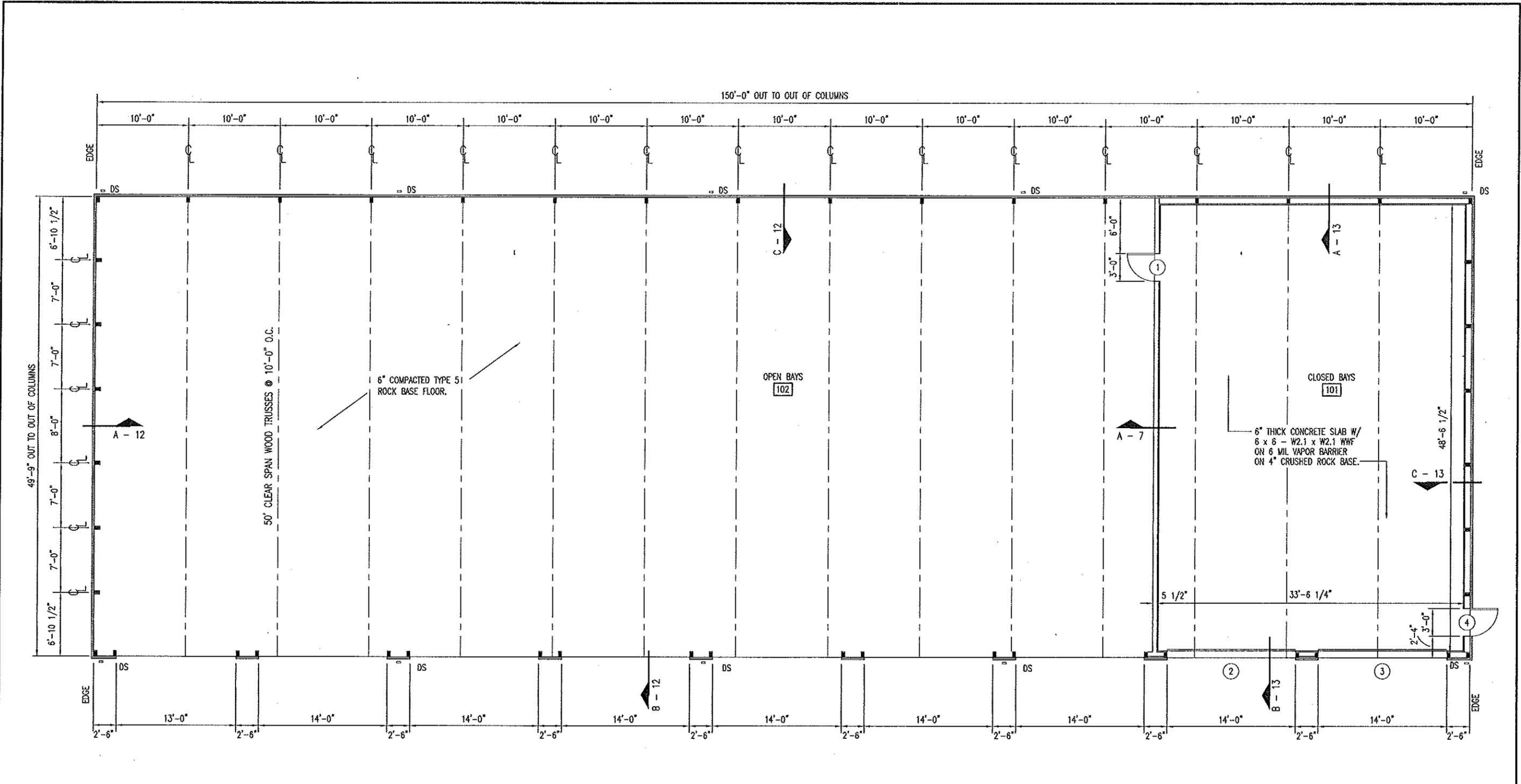


SILVA CONCRETE SLAB PLAN

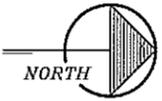
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CHARLESTON & DEXTER  
**A**  
**FLOOR PLAN**  
**5**  
 SCALE: 3/32" = 1'-0"



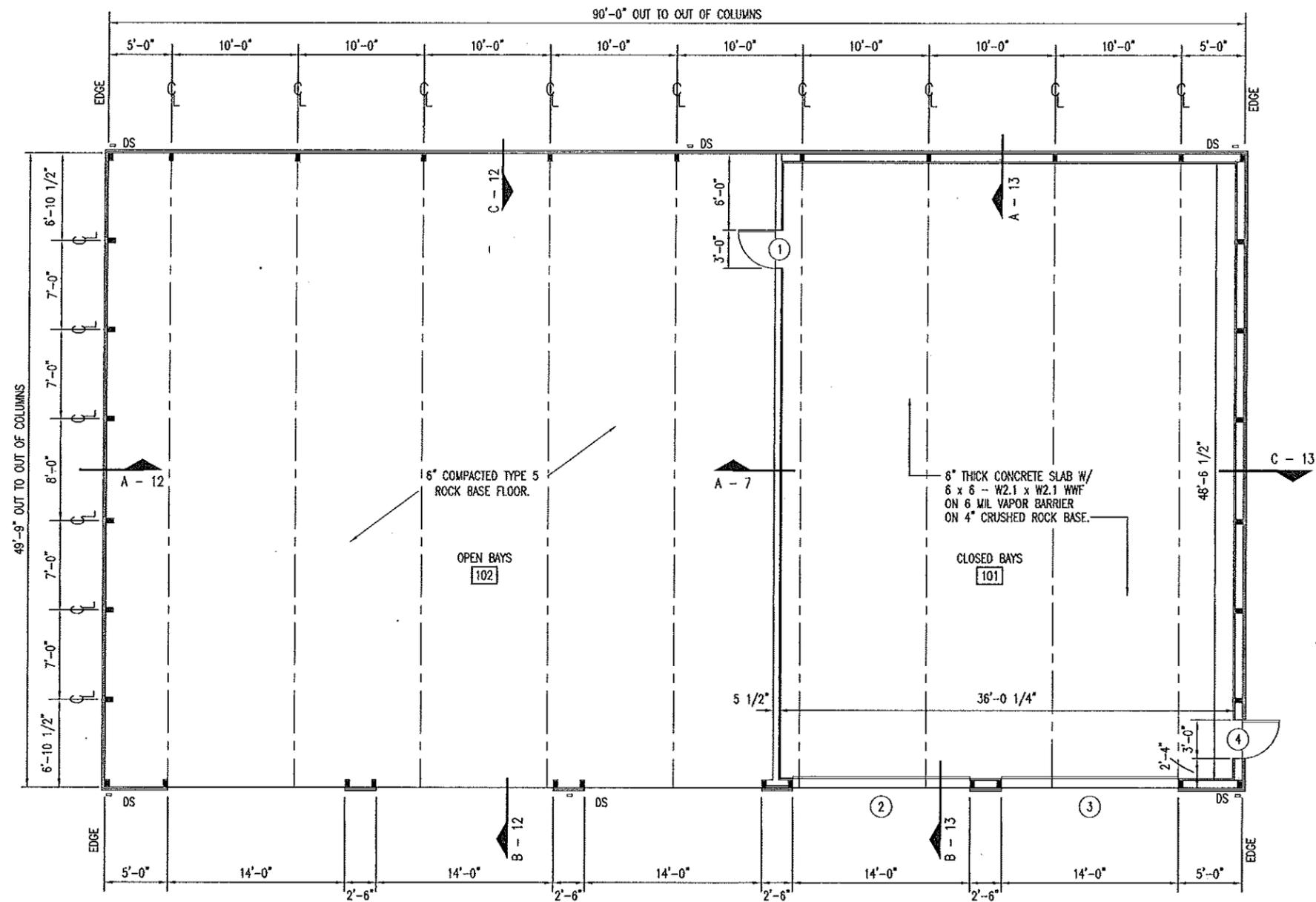
*Douglas A. Record*  
 MISSOURI  
 DOUGLAS A. RECORD  
 NUMBER  
 A-2009002624  
 ARCHITECT  
 5/2/13

**CHARLESTON & DEXTER FLOOR PLAN**

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 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

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SILVA  
**A FLOOR PLAN**  
 6  
 SCALE: 3/32" = 1'-0"



*Handwritten:* 5/2/13  
 MISSOURI ARCHITECT  
 DOUGLAS A. RECORD  
 NUMBER A-2009002624

**SILVA FLOOR PLAN**

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

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**DOOR SCHEDULE – CHARLESTON**

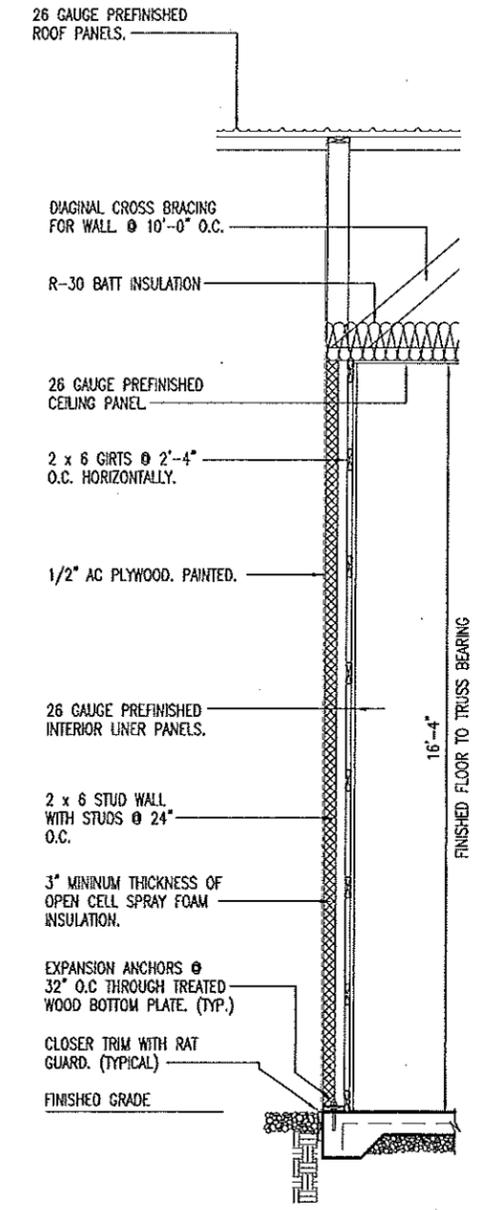
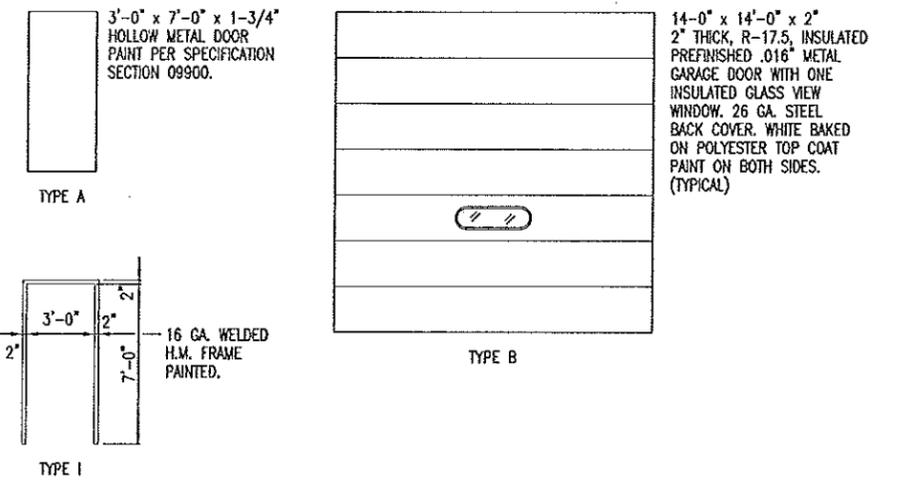
NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HDWR. GRP.
1	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	C-11	6-1/2"	1
2	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
3	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
4	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	F-11	6-1/2"	1

**DOOR SCHEDULE – DEXTER**

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-11	6-1/2"	1
2	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
3	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
4	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	F-11	6-1/2"	1

**DOOR SCHEDULE – SILVA**

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-11	6-1/2"	1
2	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
3	14'-0" x 14'-0" x 2"	-	B	-	A & B-11	-	-
4	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	F-11	6-1/2"	1



**GENERAL NOTES:**

BUILDING MANUFACTURER TO FURNISH ALL NECESSARY FLASHING AND TRIM TO PROVIDE A NEAT, WEATHERPROOF FIT AT ALL DOORS, COLUMNS AND ANY LOCATION WHERE THE METAL PANELS MAY BE CUT.

**FINISH SCHEDULE**

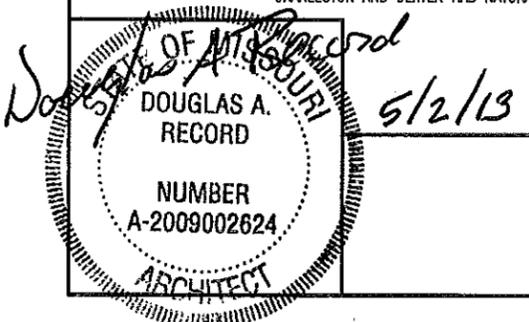
NO.	ROOM	FLOOR		WALLS		BASE	CEILING	
		CURE AND SEALER ON CONCRETE.	6" COMPACTED TYPE 5 ROCK.	26 GA INTERIOR PANELS	1/2" AC PLYWOOD, PAINTED.	NONE	26 GA. CEILING PANELS.	NONE
101	CLOSED BAYS	•		•		•	•	
102	OPEN BAYS WALL @ CLOSED BAYS		•	•	•	•	•	•

**HVAC SCHEDULE**

SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
A	18" DIA. SHUTTER MOUNT EXHAUST FAN W/WEATHERHOOD	DAYTON 1HLA5 & 3FKF2 OR EQUAL 5.4 AMPS	2,190 CFM	ELECTRIC	115	COMMERCIAL TYPEWALL EXHAUST FAN INCLUDES OSHA GUARD & SHUTTER. INCLUDE BIRD SCREEN AND GALVANIZED WEATHERHOOD.
B	GAS FIRED UNIT HEATER	REZNOR MODEL UDAP 100 OR EQUAL	88,200	*	115	SINGLE BURNER COMBUSTION, DIRECT SPARK IGNITION, 100% LOCK-OUT & CL-1 STANDARD HEATING ONLY THERMOSTAT.

\* CHARLESTON AND DEXTER HAS NATURAL GAS AND SILVA HAS PROPANE.

**A**  
**7** MID-WALL SECTION  
SCALE: 1/4" = 1'-0"

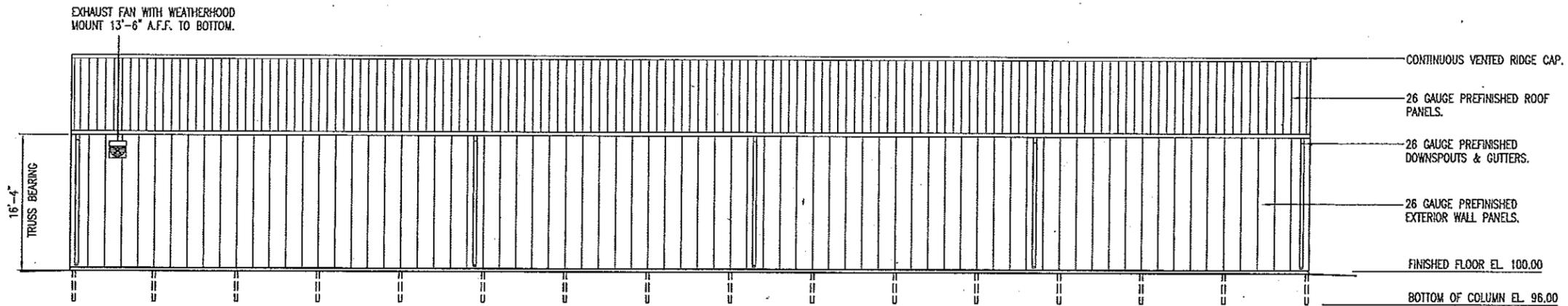


**SCHEDULES**

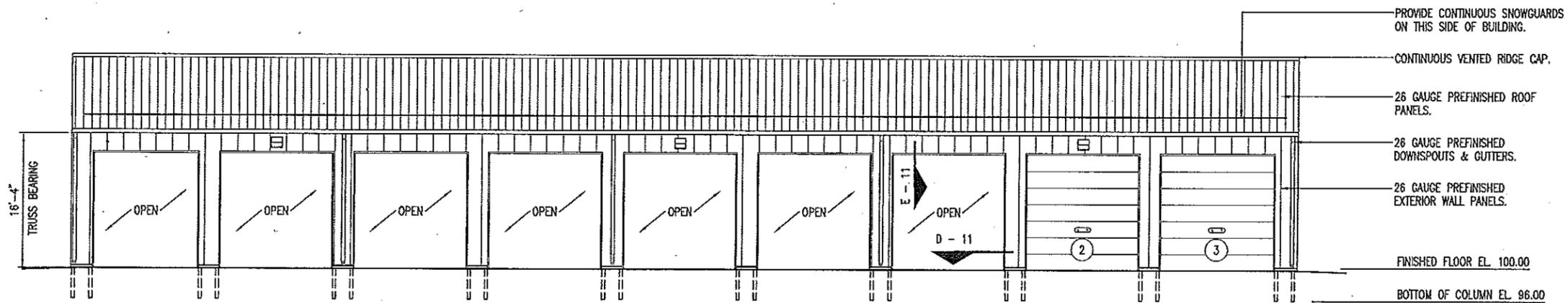
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New Pole Barnes in Southeast District for:  
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Mississippi, Wayne & Stoddard Counties

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CHARLESTON & DEXTER  
**B** REAR ELEVATION  
 8 SCALE: 1/16" = 1'-0"



CHARLESTON & DEXTER  
**A** FRONT ELEVATION  
 8 SCALE: 1/16" = 1'-0"

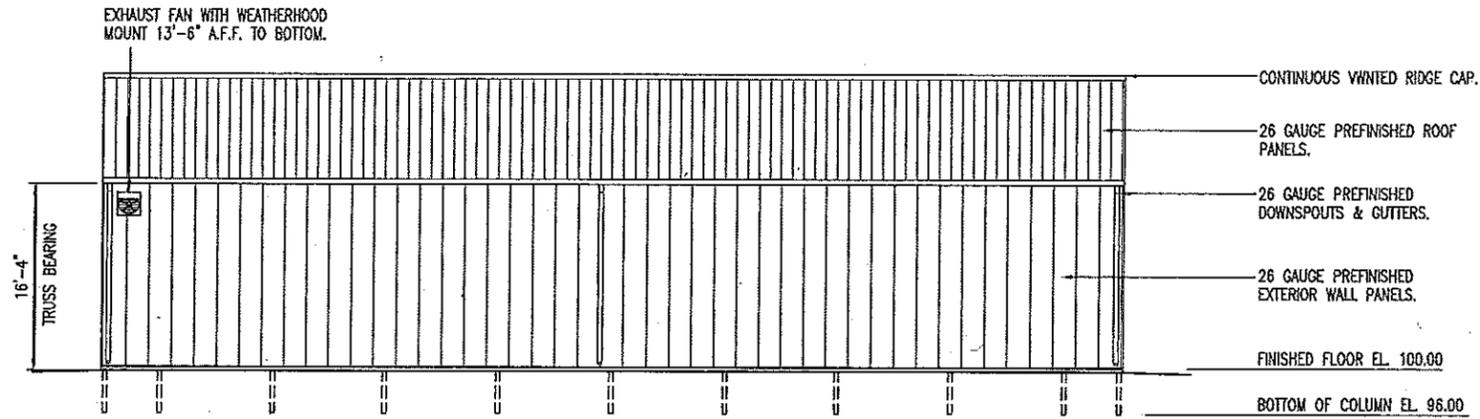
*Douglas A. Record*  
 MISSOURI ARCHITECTS ASSOCIATION  
 DOUGLAS A. RECORD  
 NUMBER A-2009002624  
 ARCHITECT  
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CHARLESTON & DEXTER ELEVATIONS

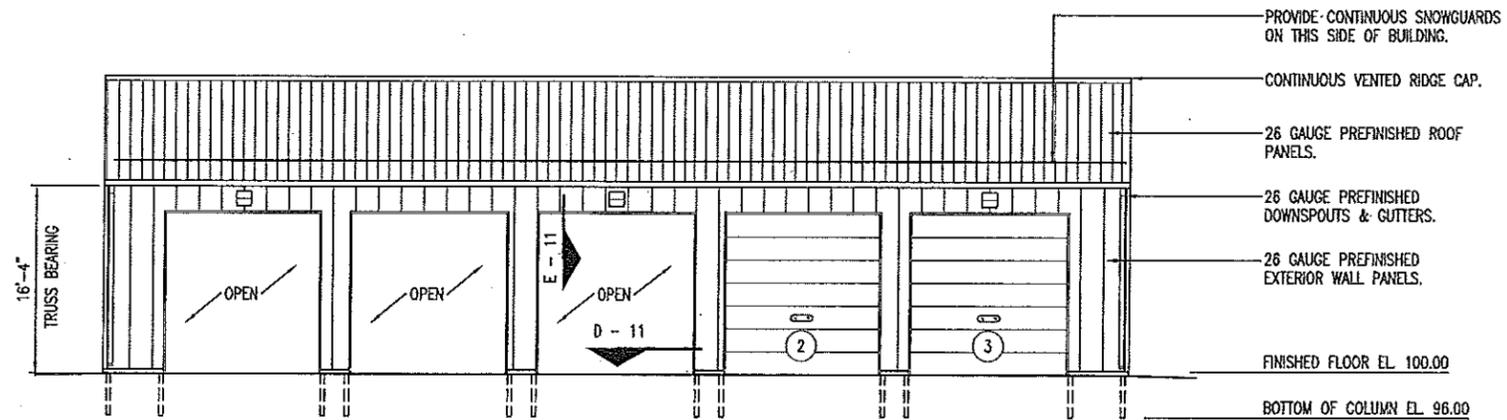
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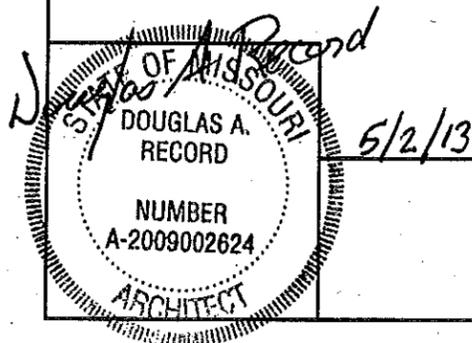
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SILVA  
 B REAR ELEVATION  
 9 SCALE: 1/16" = 1'-0"



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

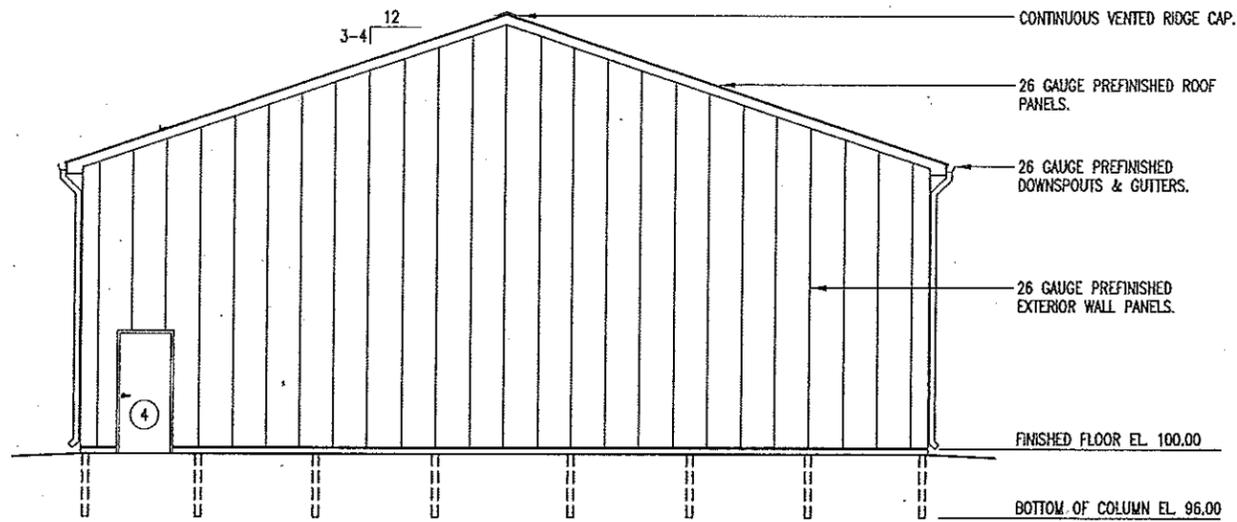


SILVA ELEVATIONS

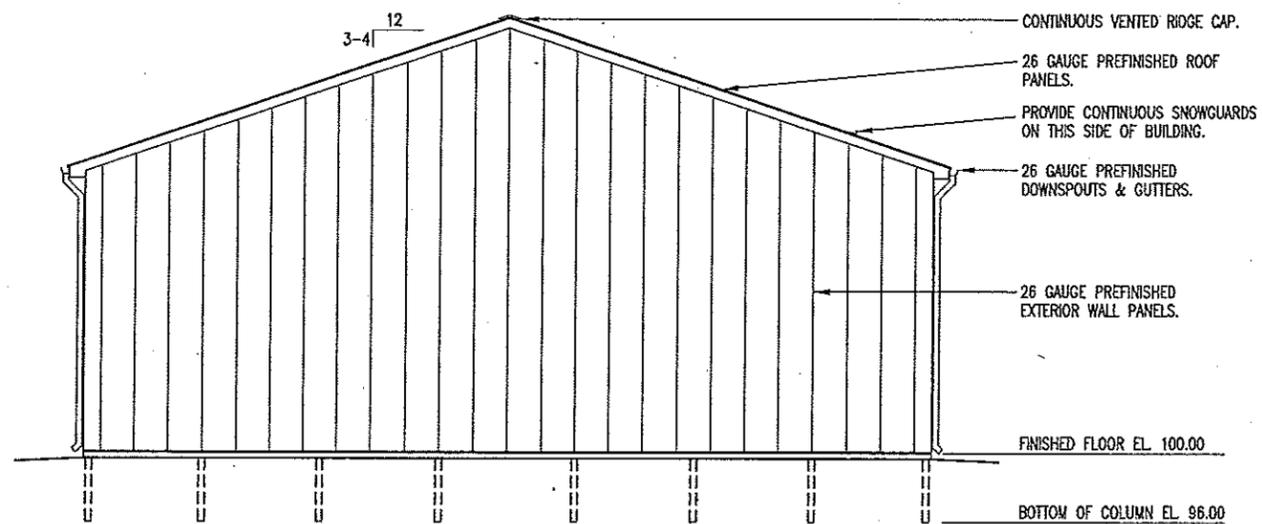
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**B** RIGHT ELEVATION  
10 SCALE: 3/32" = 1'-0"



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

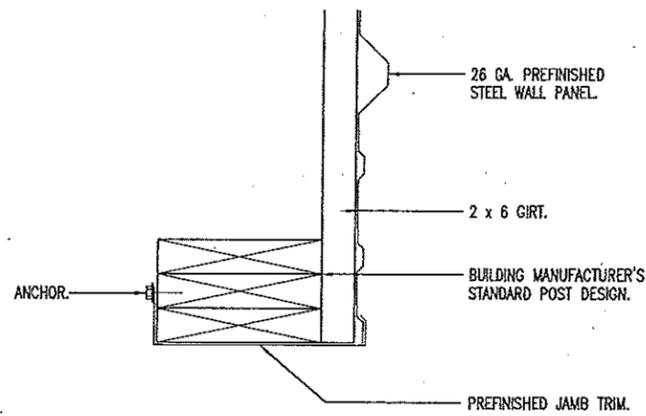
*John A. Record*  
 MISSOURI  
 DOUGLAS A. RECORD  
 NUMBER A-2009002624  
 ARCHITECT  
 5/2/13

LEFT & RIGHT ELEVATIONS

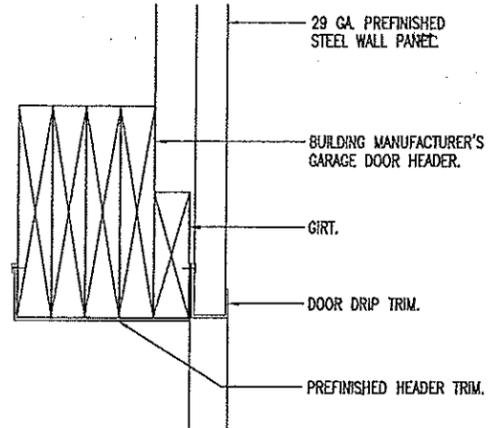
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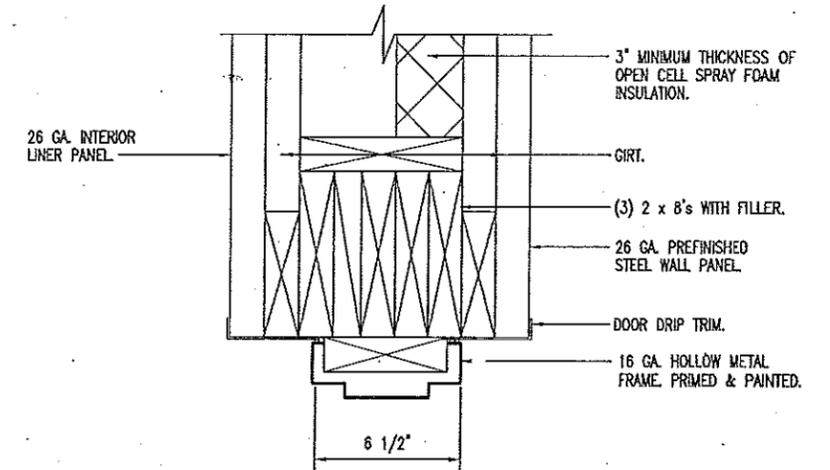
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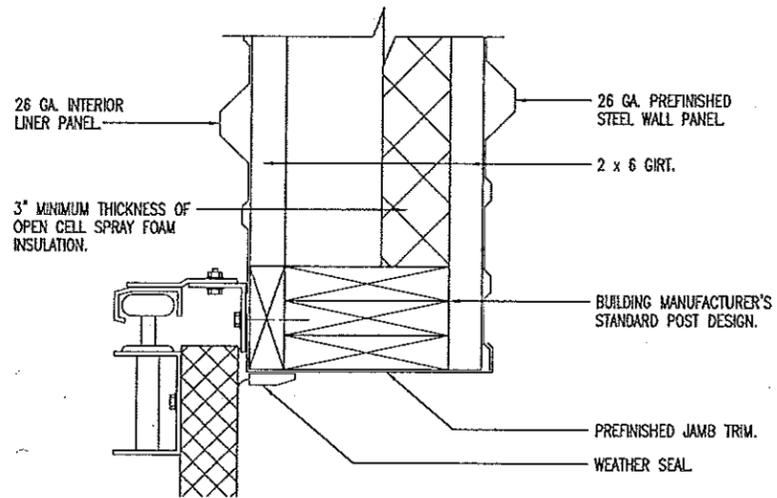
**D** GARAGE DOOR JAMB  
11 SCALE: 1-1/2" = 1'-0"



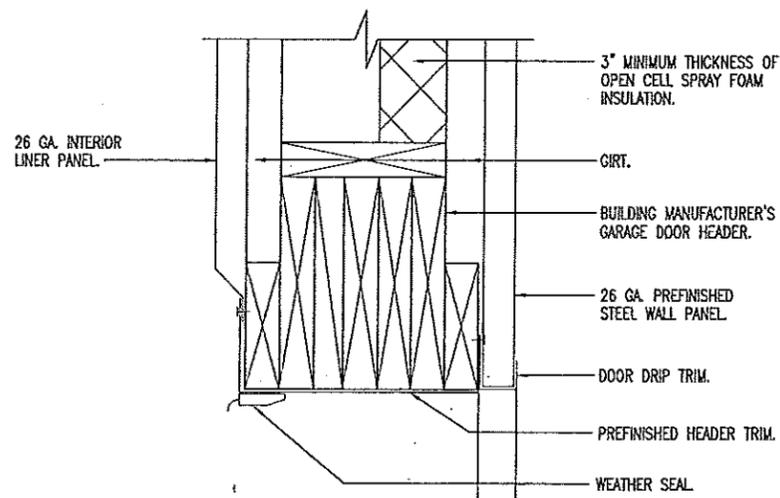
**E** GARAGE DOOR HEAD  
11 SCALE: 1-1/2" = 1'-0"



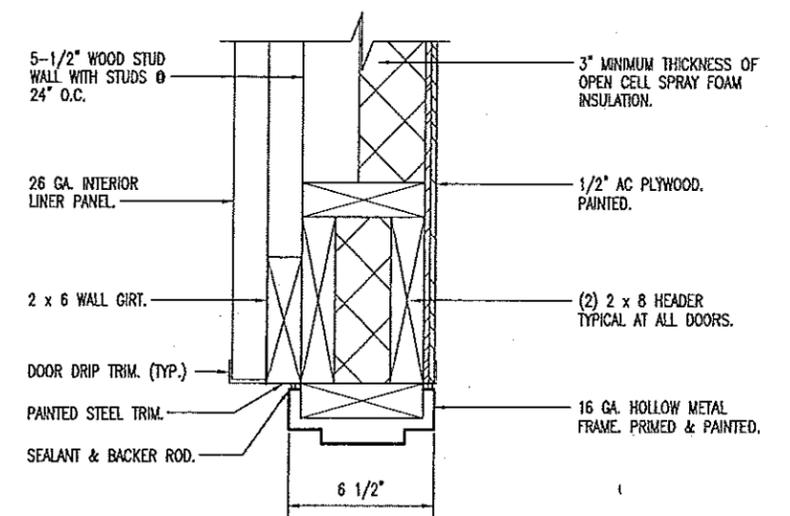
**F** DOOR HEADER/JAMB  
11 SCALE: 1-1/2" = 1'-0"



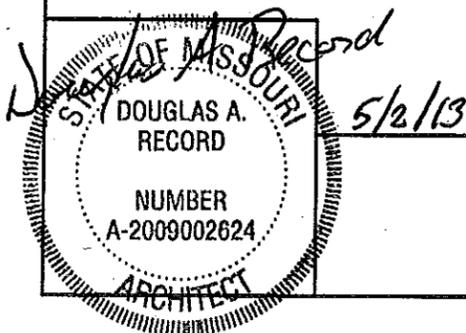
**A** GARAGE DOOR JAMB  
11 SCALE: 1-1/2" = 1'-0"



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



**C** DOOR HEADER/JAMB TYPE A  
11 SCALE: 1-1/2" = 1'-0"

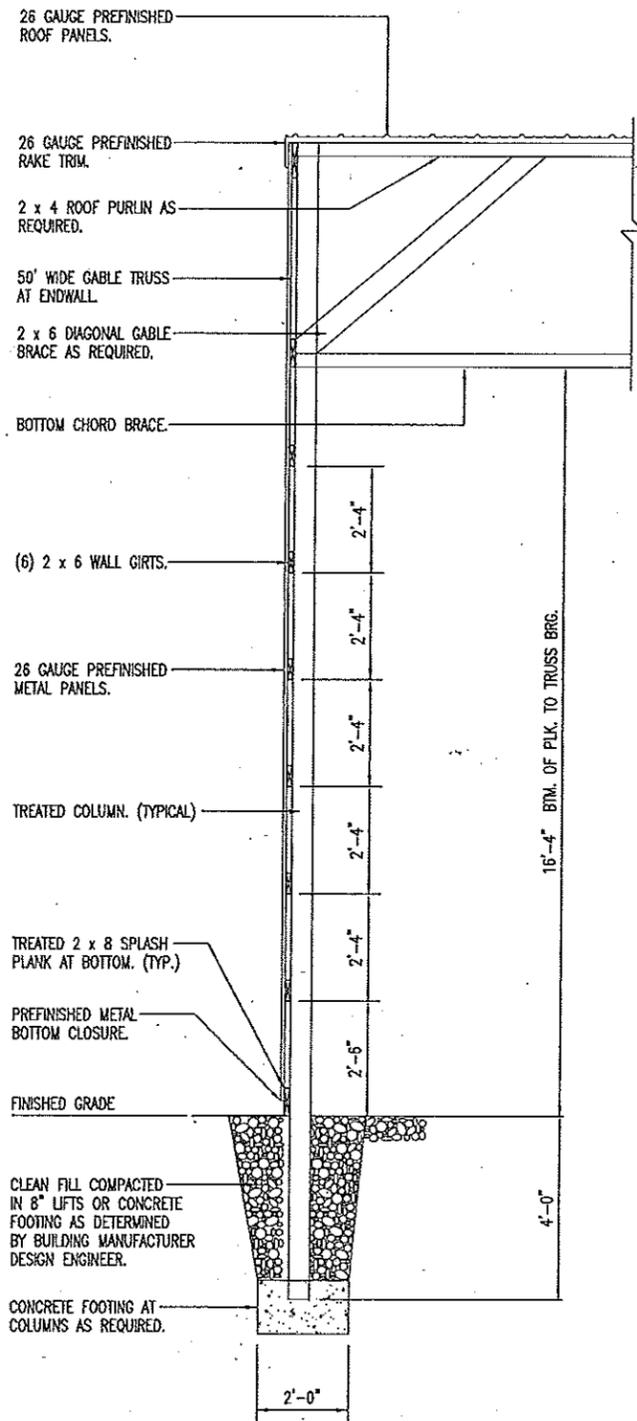


HEAD & JAMB DETAILS

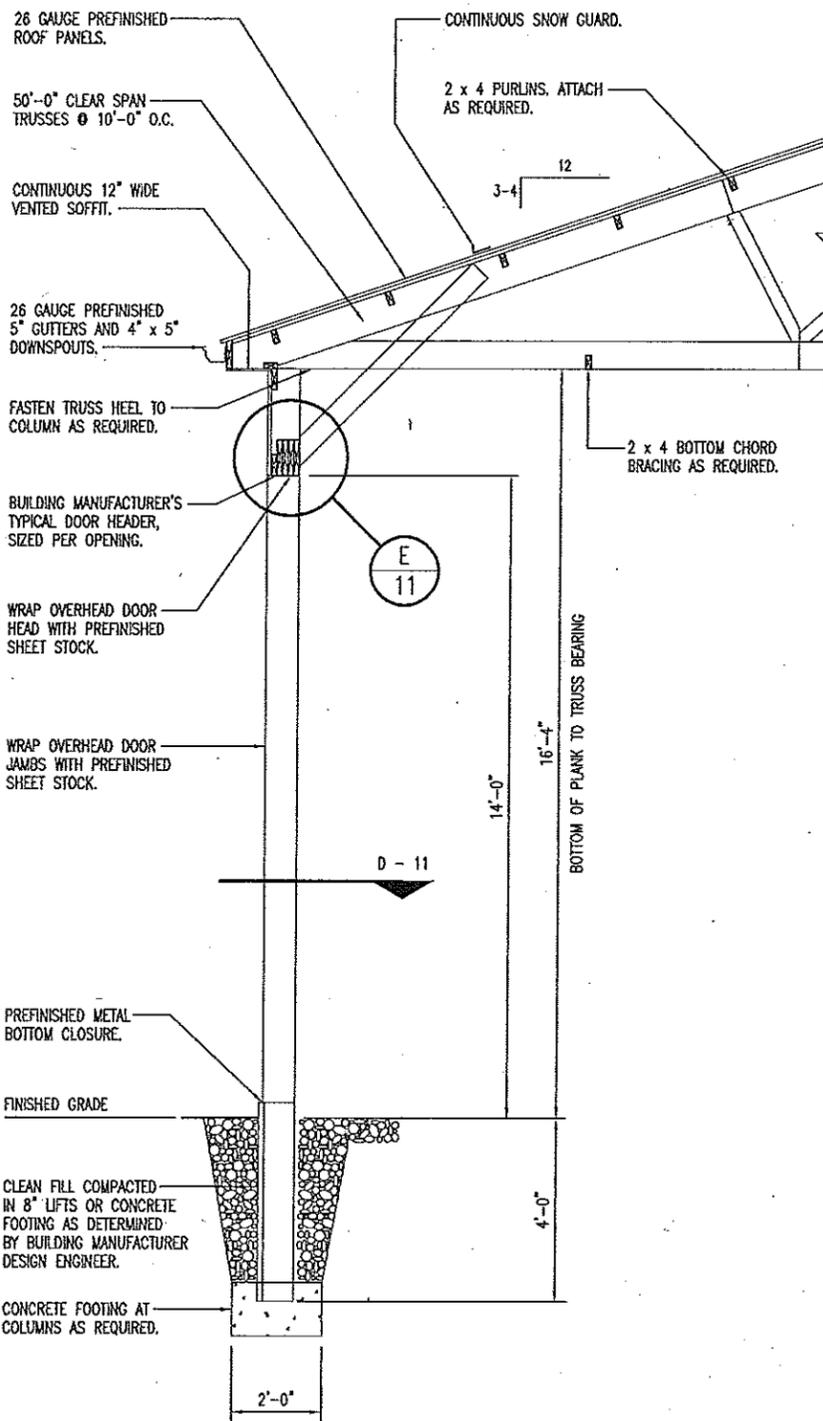
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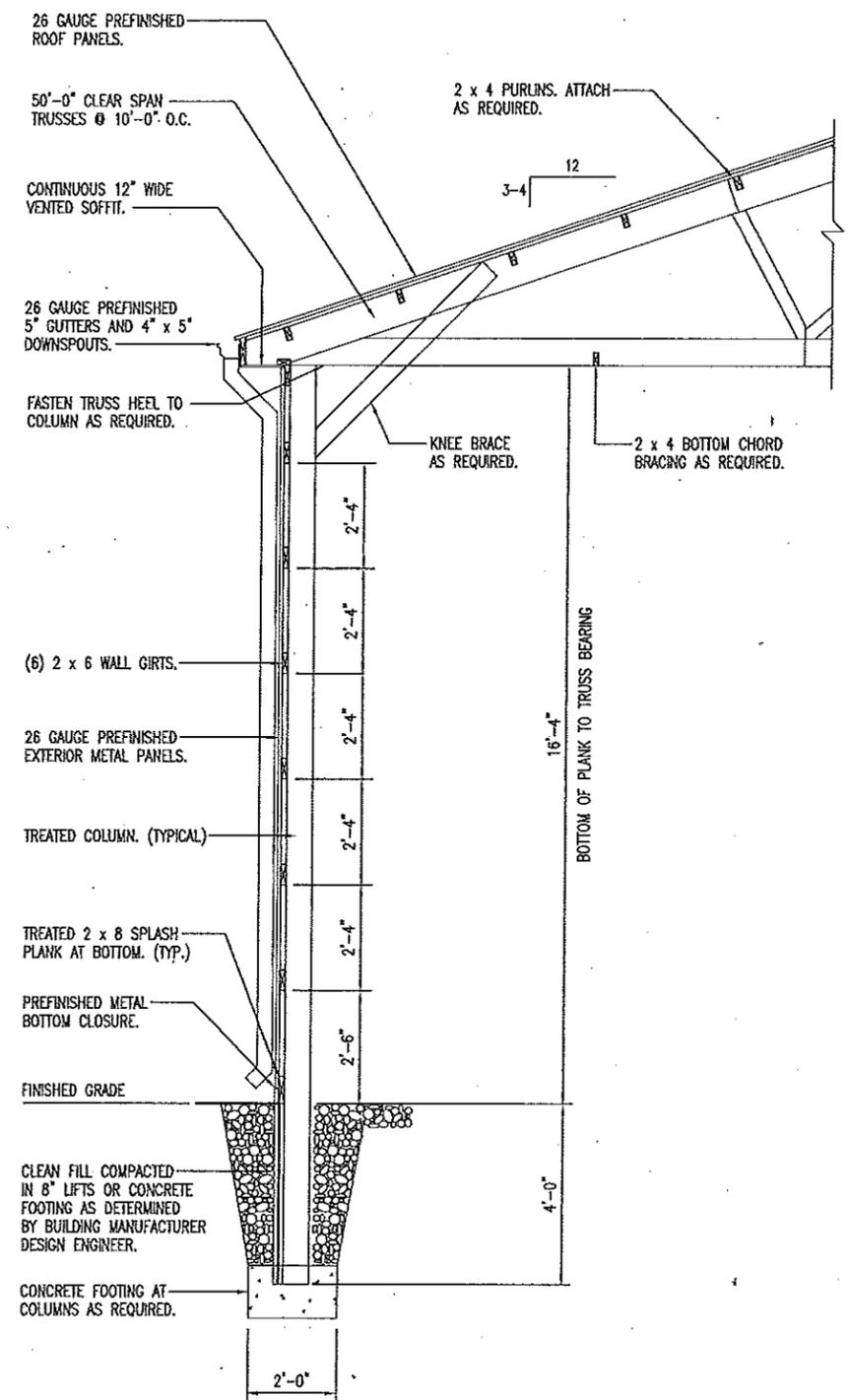
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**A** ENDWALL SECTION  
 12 SCALE: 1/4" = 1'-0"



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



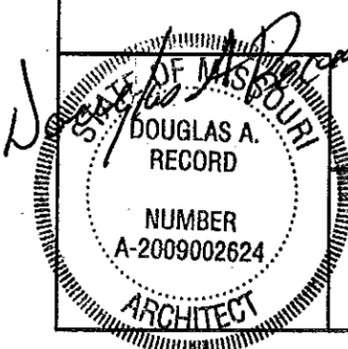
**C** SIDEWALL SECTION  
 12 SCALE: 1/4" = 1'-0"

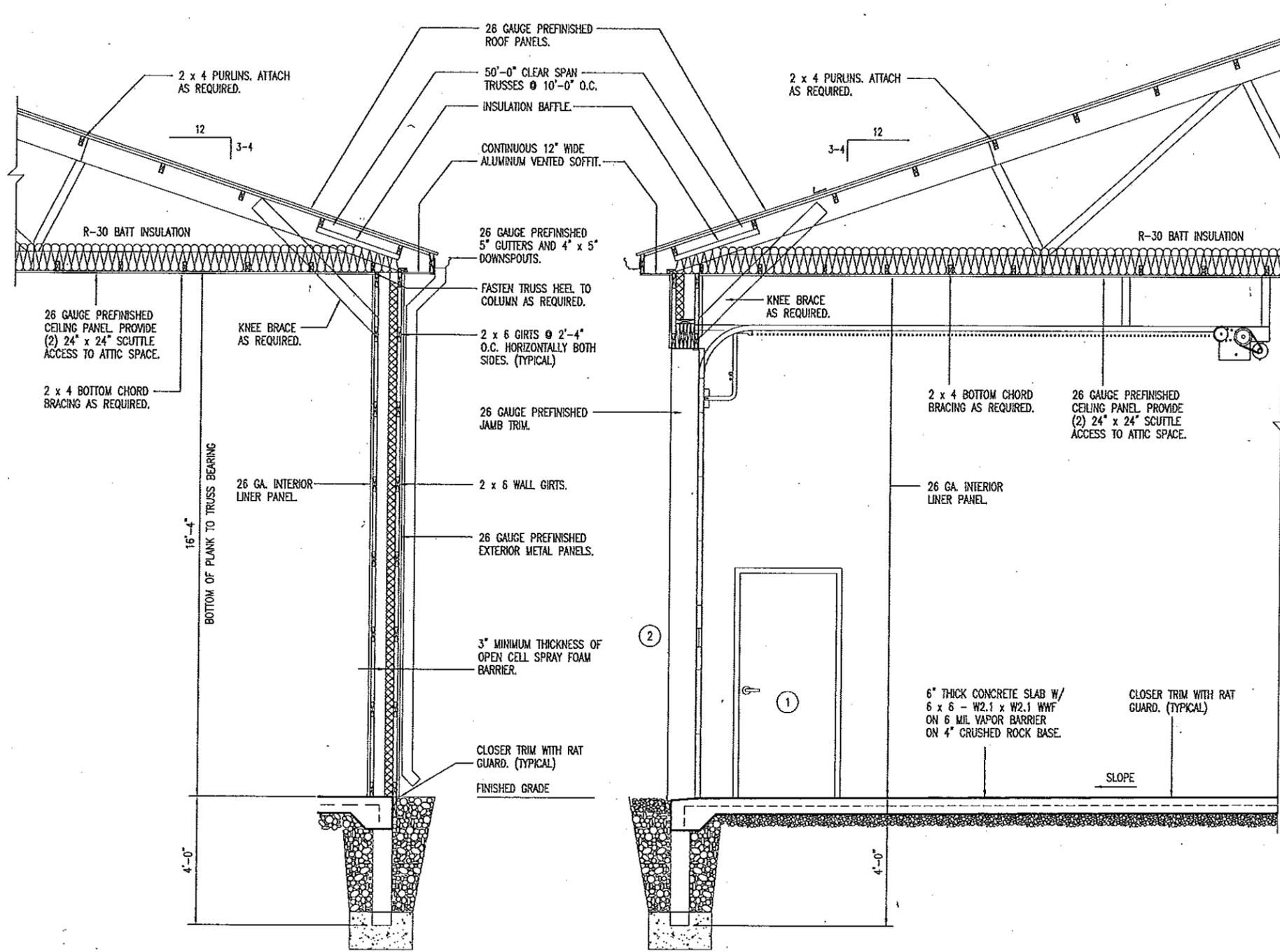
**WALL SECTIONS**

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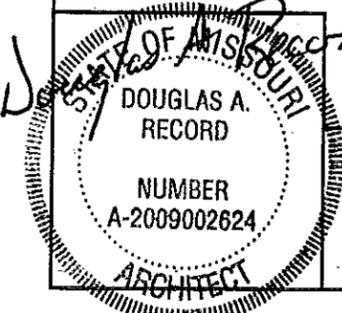




**A** SIDEWALL SECTION  
13 SCALE: 1/4" = 1'-0"

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

**C** ENDWALL SECTION  
13 SCALE: 1/4" = 1'-0"



WALL SECTIONS

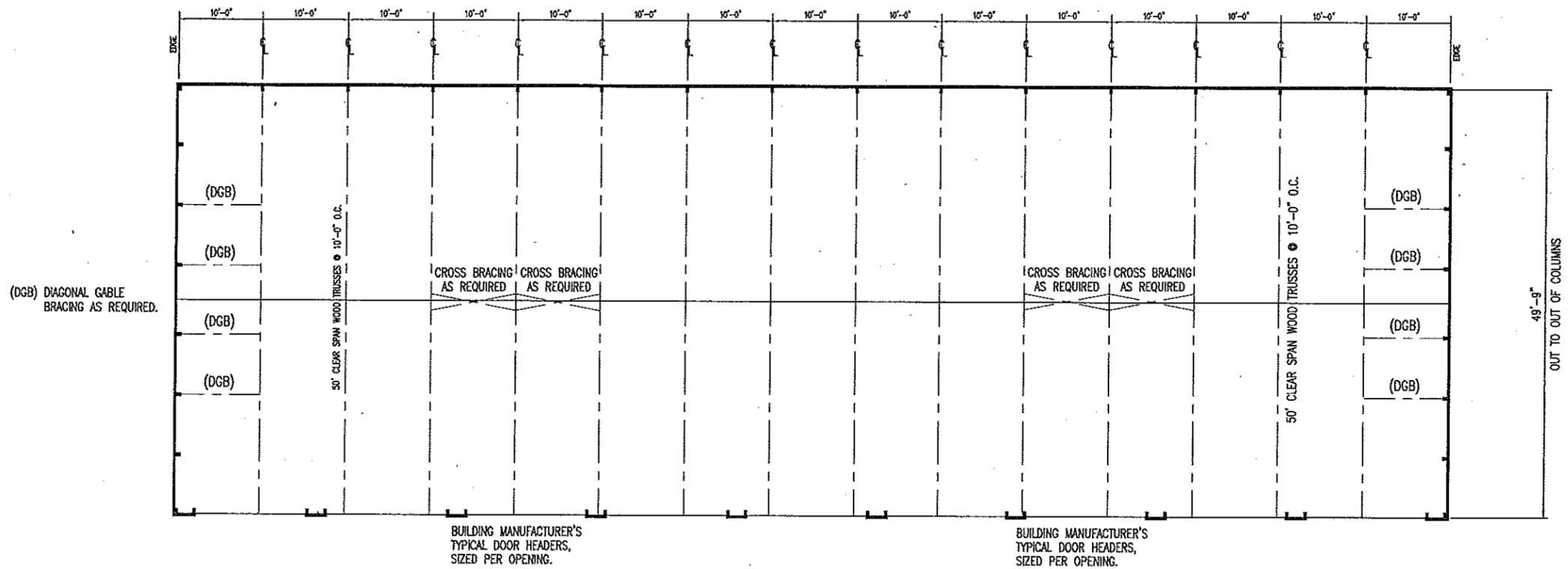
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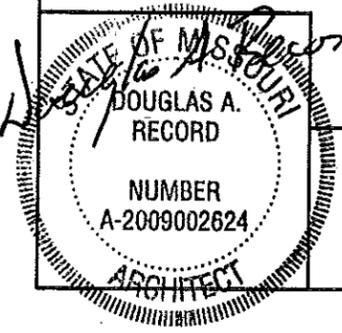
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**ROOF FRAMING NOTES**

- DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:
  - ROOF LIVE LOAD 20 PSF
  - ROOF DEAD LOAD 4 PSF
  - BOTTOM CHORD 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 #11 ANCHORS.



CHARLESTON & DEXTER  
**A**  
**14**  
**ROOF FRAMING PLAN**  
 SCALE: 1/16" = 1'-0"



*Record*  
 5/2/13

Charleston & Dexter Roof Framing Plan

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

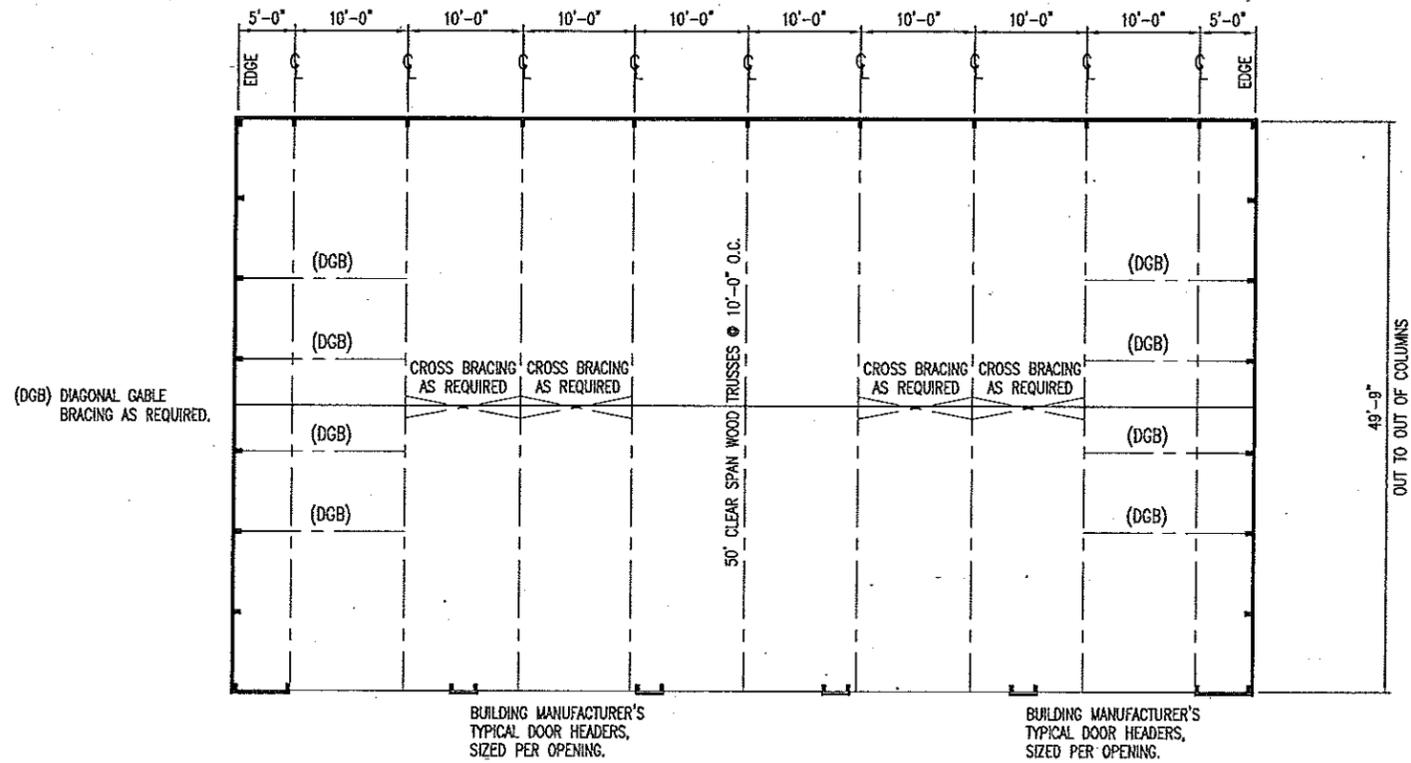
New Pole Barnes in Southeast District for:  
 CHARLESTON, SILVA & DEXTER, MISSOURI  
 Mississippi, Wayne & Stoddard Counties

DRAWN BY: LARRY CARYER  
 CHECKED BY: DOUG RECORD  
 DATE: 4-26-13  
 Sheet 14 of 19

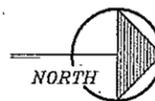
### ROOF FRAMING NOTES

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

ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD	4 PSF
BOTTOM CHORD 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.



SILVA  
A  
15  
ROOF FRAMING PLAN  
SCALE: 1/16" = 1'-0"



*Record*  
STATE OF MISSOURI  
DOUGLAS A. RECORD  
NUMBER  
A-2009002624  
ARCHITECT  
5/2/13

SILVA ROOF FRAMING PLAN

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

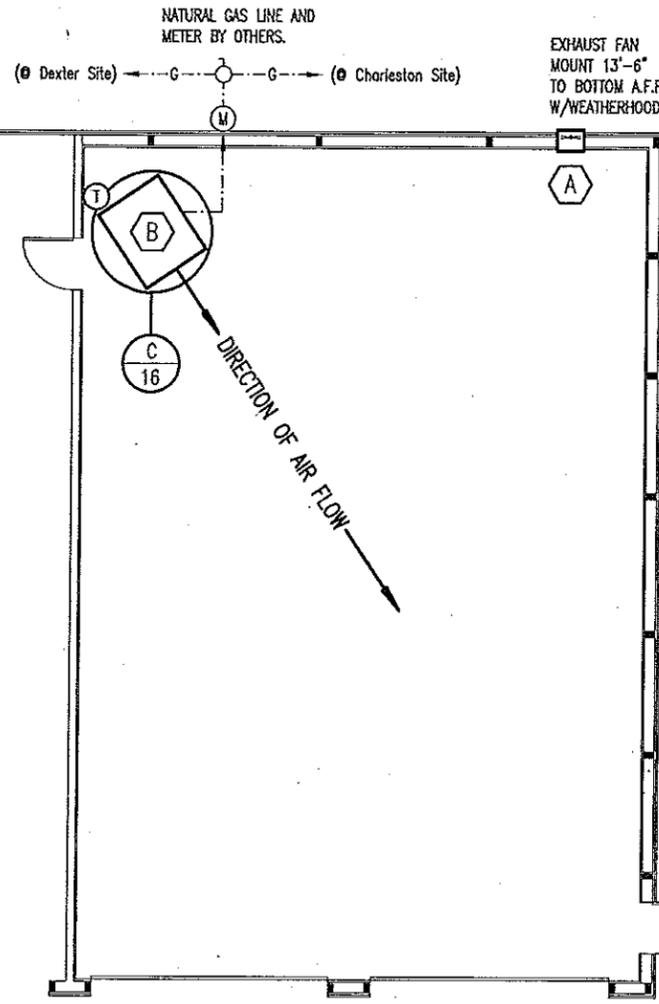
New Pole Barnes in Southeast District for:  
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Mississippi, Wayne & Stoddard Counties

DRAWN BY: LARRY CARMER  
CHECKED BY: DOUG RECORD  
DATE: 4-25-13  
Sheet  
15 of 19

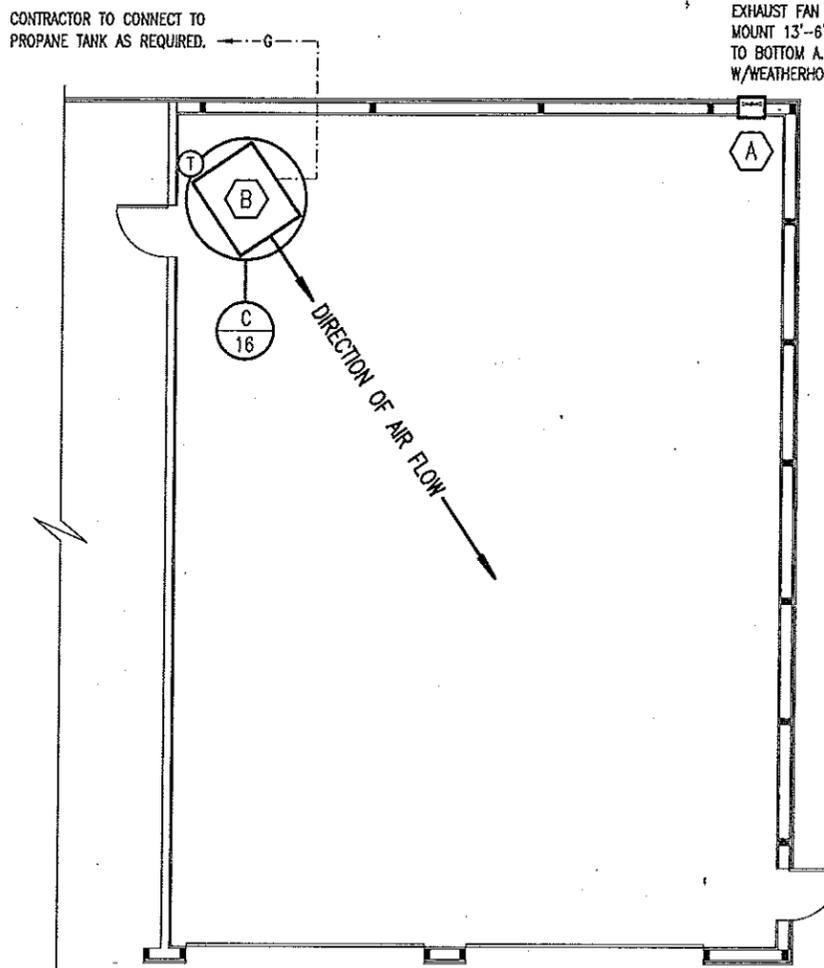
# MECHANICAL NOTES

1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. MECHANICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE IBC MECHANICAL CODE.
3. PROVIDE EQUIPMENT AND APPURTENANCES NOT NECESSARILY SHOWN OR SPECIFIED BUT NEEDED FOR COMPLETE AND PROPER INSTALLATION.
4. ALL EQUIPMENT AND MATERIALS, IN PARTICULAR VALVES, FILTERS, MOTORS, AND CONTROLS SHALL BE ARRANGED TO PROVIDE PROPER CLEARANCE FOR SERVICE, MAINTENANCE, AND INSPECTION.
5. MECHANICAL SUBCONTRACTOR SHALL FULLY COORDINATE ALL WORK WITH PLUMBING AND ELECTRICAL WORKERS PRIOR TO COMMENCING OF THE MECHANICAL INSTALLATION.
6. PROVIDE BLOCKING TO HVAC DEVICES AS REQUIRED FOR A SECURE APPLICATION.
7. GAS LINE TO UNIT HEATER BY MECHANICAL CONTRACTOR FOR A FUNCTIONAL SYSTEM FROM GAS METER OR PROPANE TANK.

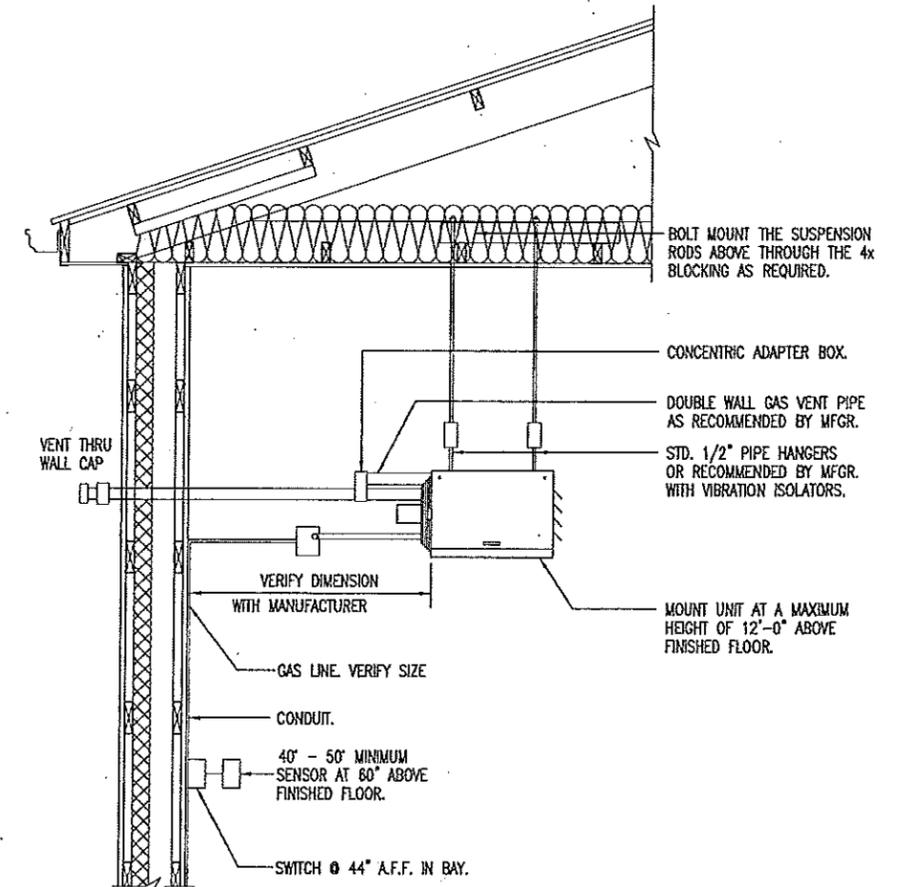
SEE HVAC SCHEDULE SHEET 7.



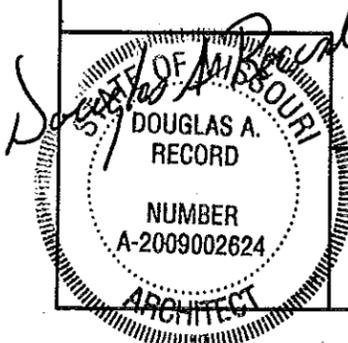
**A**  
16  
CHARLESTON & DEXTER  
MECHANICAL PLAN  
SCALE: 3/32" = 1'-0"  
NORTH



**B**  
16  
SILVA  
MECHANICAL PLAN  
SCALE: 3/32" = 1'-0"  
NORTH



**C**  
16  
UNIT HEATER INSTALLATION  
NOT TO SCALE



MECHANICAL PLAN

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

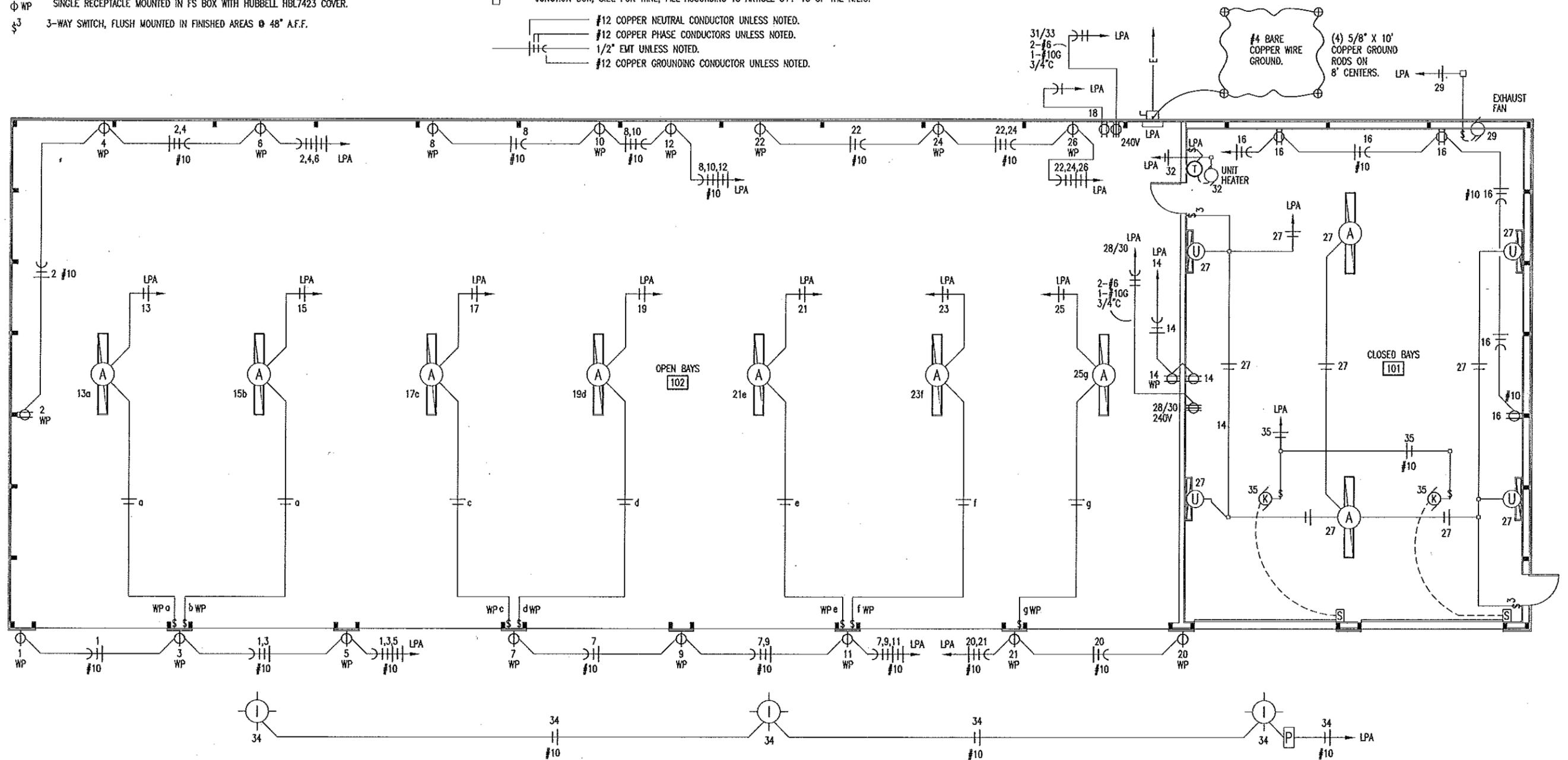
New Pole Barnes in Southeast District for:  
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Mississippi, Wayne & Stoddard Counties

DRAWN BY: LARRY CARYER  
CHECKED BY: DOUG RECORD  
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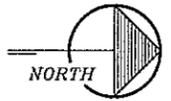
**LEGEND**

- ⊞ 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.
- ⊞ 3-WAY SWITCH, FLUSH MOUNTED IN FINISHED AREAS @ 48" A.F.F.

- ⊞ 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.



CHARLESTON & DEXTER  
**A**  
 17  
**ELECTRICAL PLAN**  
 SCALE: 3/32" = 1'-0"



SEE ELECTRIC SCHEDULE SHEET 19.

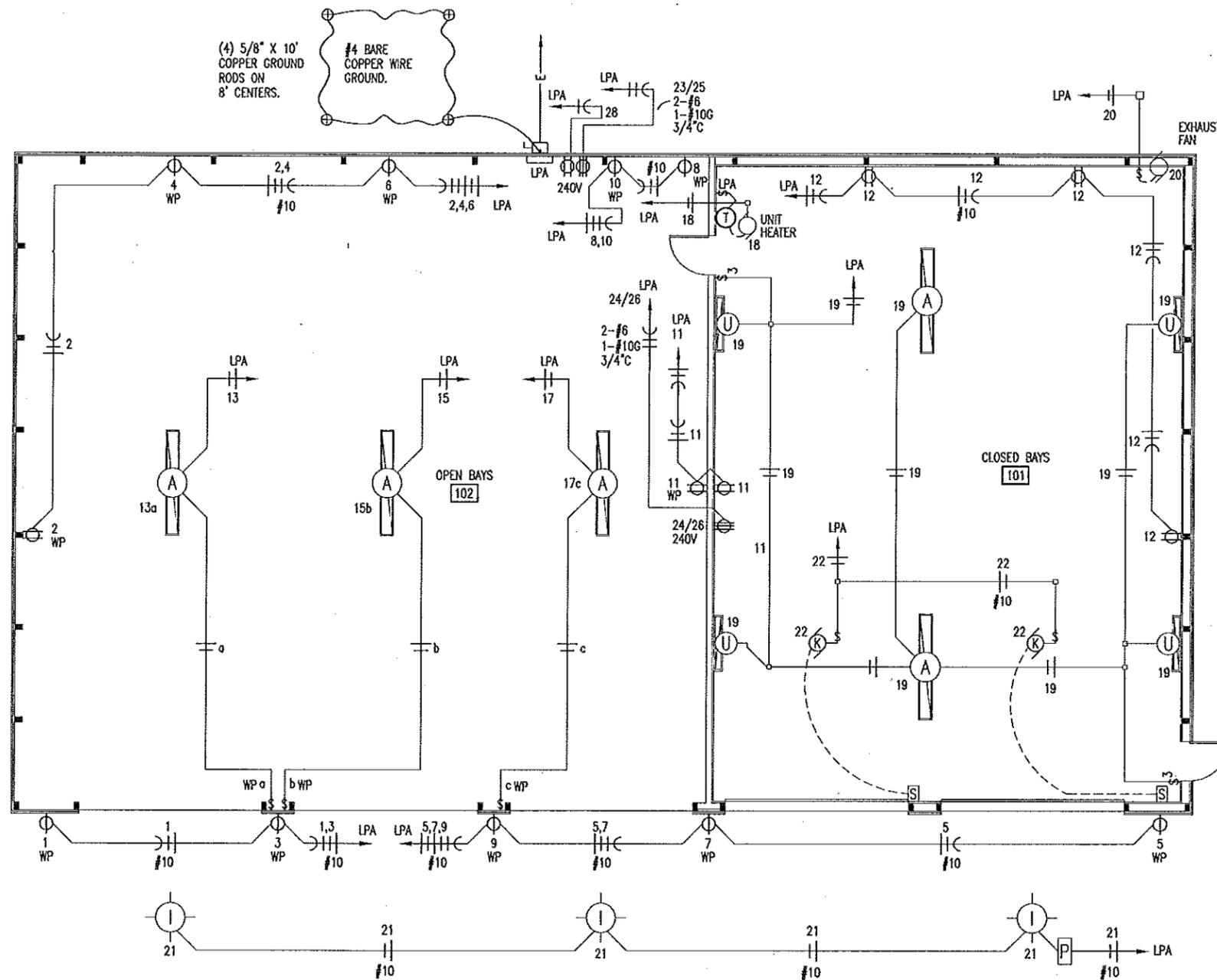
*Record*  
 MISSOURI  
 DOUGLAS A. RECORD  
 NUMBER  
 A-2009002624  
 ARCHITECT  
 5/2/13

**CHARLESTON & DEXTER ELECTRICAL PLAN**

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

New Pole Barnes in Southeast District for:  
 CHARLESTON, SILVA & DEXTER, MISSOURI  
 Mississippi, Wayne & Stoddard Counties

DRAWN BY: LARRY CARVER  
 CHECKED BY: DOUG RECORD  
 DATE: 5-3-13  
 Sheet  
 17 of 19



**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.
- ⊕ 3 3-WAY SWITCH, FLUSH MOUNTED IN FINISHED AREAS @ 48" A.F.F.
- ⊕ 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.

SEE ELECTRIC SCHEDULE SHEET 19.

SILVA  
**A ELECTRICAL PLAN**  
 18  
 SCALE: 3/32" = 1'-0"  
 NORTH

SECRETARY OF MISSOURI  
 DOUGLAS A. RECORD  
 NUMBER A-2009002624  
 ARCHITECT  
 5/2/13

**SILVA ELECTRICAL PLAN**

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

New Pole Barnes in Southeast District for:  
 CHARLESTON, SILVA & DEXTER, MISSOURI  
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ELECTRIC SCHEDULE				
MANUF.	MODEL	LAMPS TYPE	W	REMARKS
WILLIAMS 	81-8-45475H-WG-EB2-UNV	8 FLOURESCENT	54	96" LONG SURFACE MOUNT FLUORESCENT LIGHT FIXTURE, W/ PAINTED STEEL HOUSING, ELECTRONIC BALLAST, & WIRE GUARD.
WILLIAMS 	PGM-175H-128-2	1 METAL HALIDE	175	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING, & IMPACT RESISTANT ONE-PIECE, WRAPAROUND LENS.
	OVERHEAD DOOR OPERATOR			115V, 1-PH, TROLLEY TYPE. SEE SPECIFICATION SECTION 08720.
TORK 	2001			120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
	OVERHEAD DOOR CONTROL			THREE BUTTON OVERHEAD DOOR CONTROL AS SUPPLIED BY OVERHEAD DOOR MANUF. SEE SPECIFICATION SECTION 08720.
LITHONIA 	WG-2-28-A12-120-GEB10PS	2 FLUORESCENT	28	48" LENGTH x 4-5/8" WIDTH x 4-9/16" DEPTH, COMMERCIAL WALL BRACKET. PROVIDES UP/DOWN DISTRIBUTION. MOUNT 7'-0" A.F.F.

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

### 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.
- MODOT WILL INSTALL CONDUCTORS IN CONDUIT UP TO THE SERVICE DISCONNECT. ELECTRICAL CONTRACTORS WORK TO BEGIN FROM THAT POINT FOR A FUNCTIONAL SYSTEM.

SERVICE PANEL LPA - Charleston & Dexter									
MAIN BUS: 225A 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 20592 VA B PHASE 22654 VA TOTAL 43246 VA 180 A			
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE		CIR
1	EXTERIOR - RECEPTACLE	1000	20A1P	A	20A1P	180	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	432	20A1P	A	20A1P	360	RECEPTACLES		14
15	LIGHTS	432	20A1P	B	20A1P	540	RECEPTACLES		16
17	LIGHTS	432	20A1P	A	20A1P	483	COMPRESSOR DRYER		18
19	LIGHTS	432	20A1P	B	20A1P	1000	EXTERIOR - RECEPTACLE		20
21	EXTERIOR - RECEPTACLE	1000	20A1P	A	20A1P	1000	RECEPTACLES		22
23	LIGHTS	432	20A1P	B	20A1P	1000	RECEPTACLES		24
25	LIGHTS	432	20A1P	A	20A1P	1000	RECEPTACLES		26
27	LIGHTS	1088	20A1P	B	50A2P	4500	101 - WELDER		28
29	EXHAUST FAN	648	20A1P	A		4500			30
31	102 - AIR COMPRESSOR	4600	50A2P	B	15A1P	468	UNIT HEATER		32
33		4600		A	20A1P	525	EXTERIOR LIGHTS		34
35	GARAGE DOOR OPENERS	2162	30A1P	B					36
37				A					38
39				B					40
41				A					42

⊗ CIRCUIT BREAKER SHALL BE GFI RATED

SERVICE PANEL LPA - Silva									
MAIN BUS: 225A 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 18299 VA B PHASE 17371 VA TOTAL 35670 VA 149 A			
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE		CIR
1	EXTERIOR - RECEPTACLE	1000	20A1P	A	20A1P	180	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	RECEPTACLES	1080	20A1P	B	20A1P	540	RECEPTACLES		12
13	LIGHTS	432	20A1P	A			SPACE		14
15	LIGHTS	432	20A1P	B			SPACE		16
17	LIGHTS	432	20A1P	A	15A1P	468	UNIT HEATER		18
19	LIGHTS	1088	20A1P	B	20A1P	648	EXHAUST FAN		20
21	EXTERIOR LIGHTS	525	20A1P	A	30A1P	2162	GARAGE DOOR OPENERS		22
23	102 - AIR COMPRESSOR	4600	50A2P	B	50A2P	4500	101 - WELDER		24
25		4600		A		4500			26
27				B	20A1P	483	COMPRESSOR DRYER		28
29				A					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 PANELS

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

New Pole Barnes in Southeast District for:  
CHARLESTON, SILVA & DEXTER, MISSOURI  
Mississippi, Wayne & Stoddard Counties

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