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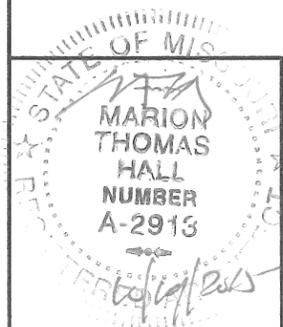
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MISSOURI DEPARTMENT OF TRANSPORTATION

FREDERICKTOWN
Working Bays/Cold Storage Building
Southeast District
1001, Madison 200, Fredericktown, MO 63645
Madison County

CODE REQUIREMENTS

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



COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

FREDERICKTOWN
Working Bays/Cold Storage Building
1001, Madison 200, Fredericktown, MO 63645
Southeast District - Madison County

DESIGN BY: LARRY CARVER

DATE: 10-15-15

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LEGEND (EXISTING)

WATER ----- W -----
 ELECTRIC 1 PHASE ----- E -----
 YARD WATER HYDRANT - YH
 POWER POLE - PP
 PROPANE TANK - PT

LEGEND (NEW)

ELECTRIC 1 PHASE ----- E -----
 PROPANE GAS ----- G -----

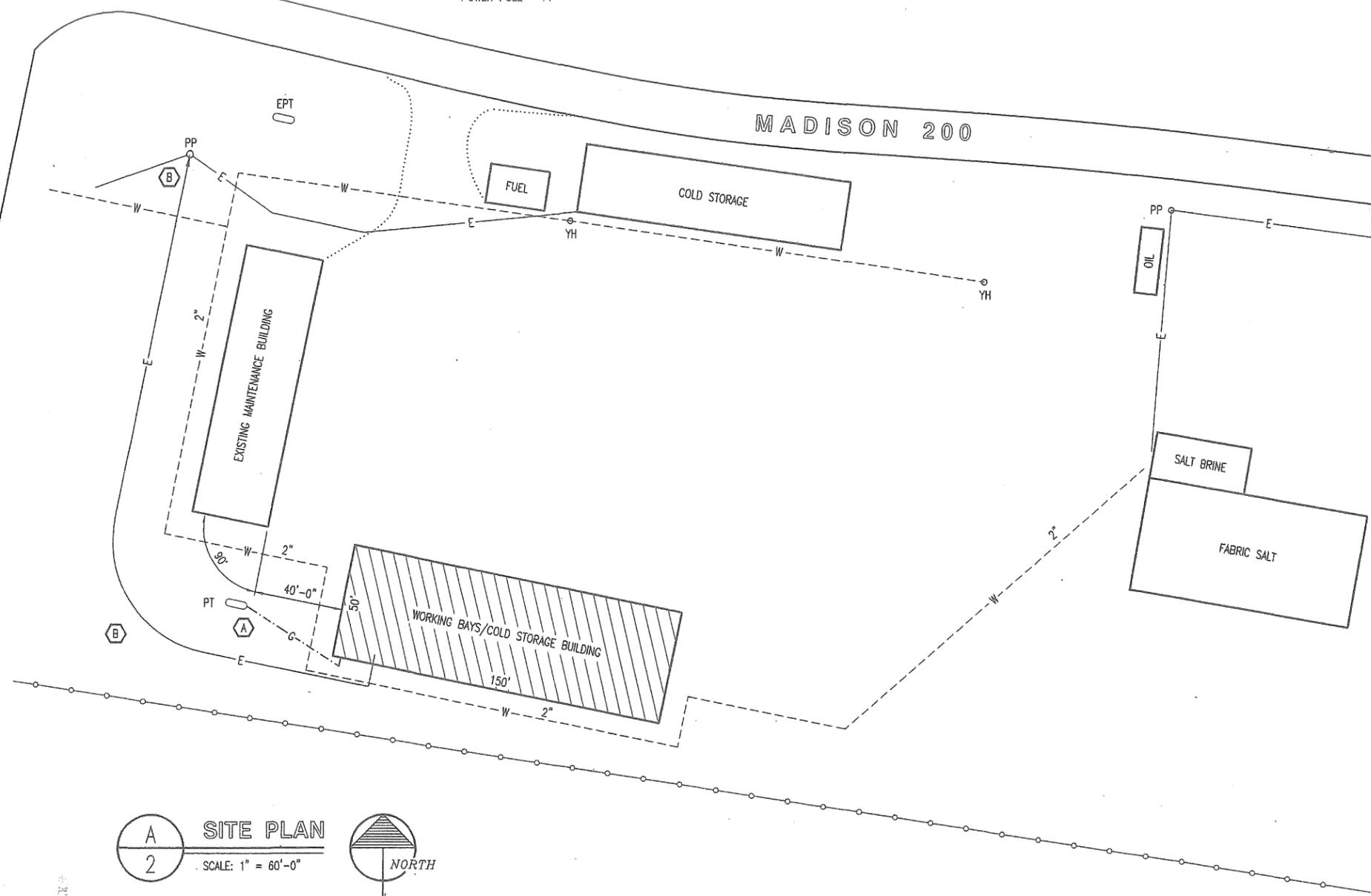
SITE NOTES

- (A) CONTRACTOR TO MAKE CONNECTION TO A MODOT PROVIDED 500 PROPANE TANK IN YARD. MAKE CONNECTION INTO BUILDING WITH SERVICE LINE AS REQUIRED FOR A FUNCTIONAL SERVICE.
- (B) CONTRACTOR TO START AT EXISTING NEMA 3 DISCONNECT ON POLE. PROVIDE (2)-4/0 AND (1) 3/0 CONDUCTORS IN 2-1/2 CONDUIT APPROXIMATELY 290' TO LPA INSIDE NEW BUILDING AS REQUIRED FOR AN OPERABLE SERVICE.

GRADING NOTES:

CONTRACTOR WILL BE RESPONSIBLE FOR:

- EXCAVATION OF THE SUB GRADE.
- EXCAVATING OF FOOTINGS.
- ALL BACK FILL MATERIAL INSIDE AND OUTSIDE NEW BUILDING.
- CRUSHED ROCK BASE UNDER BUILDING & APPROACH SLAB.
- BACK FILL ALONG APPROACH SLAB A MINIMUM OF 6" BELOW TOP OF SLAB AND SIDEWALK.
- FINISHED GRADE TO DRAIN AWAY FROM BUILDING.
- PROVIDE FINISHED GRADE MATERIAL DISTURBED DURING CONSTRUCTION TO MATCH EXISTING.
- VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION.
- MODOT TO HAVE THE FOUR CORNERS STAKED AND BUILDING FOOTPRINT & EXTERIOR APPROACH SLAB LEVELED.
- EXCAVATED SOIL NOT USED CAN BE PLACED ON SITE. AREA TO BE DESIGNATED BY OWNER.



A SITE PLAN
 2 SCALE: 1" = 60'-0"



MARION THOMAS HALL NUMBER A-2913
 REGISTERED ARCHITECT
 11/9/25

SITE PLAN

MISSOURI DEPARTMENT OF TRANSPORTATION

DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

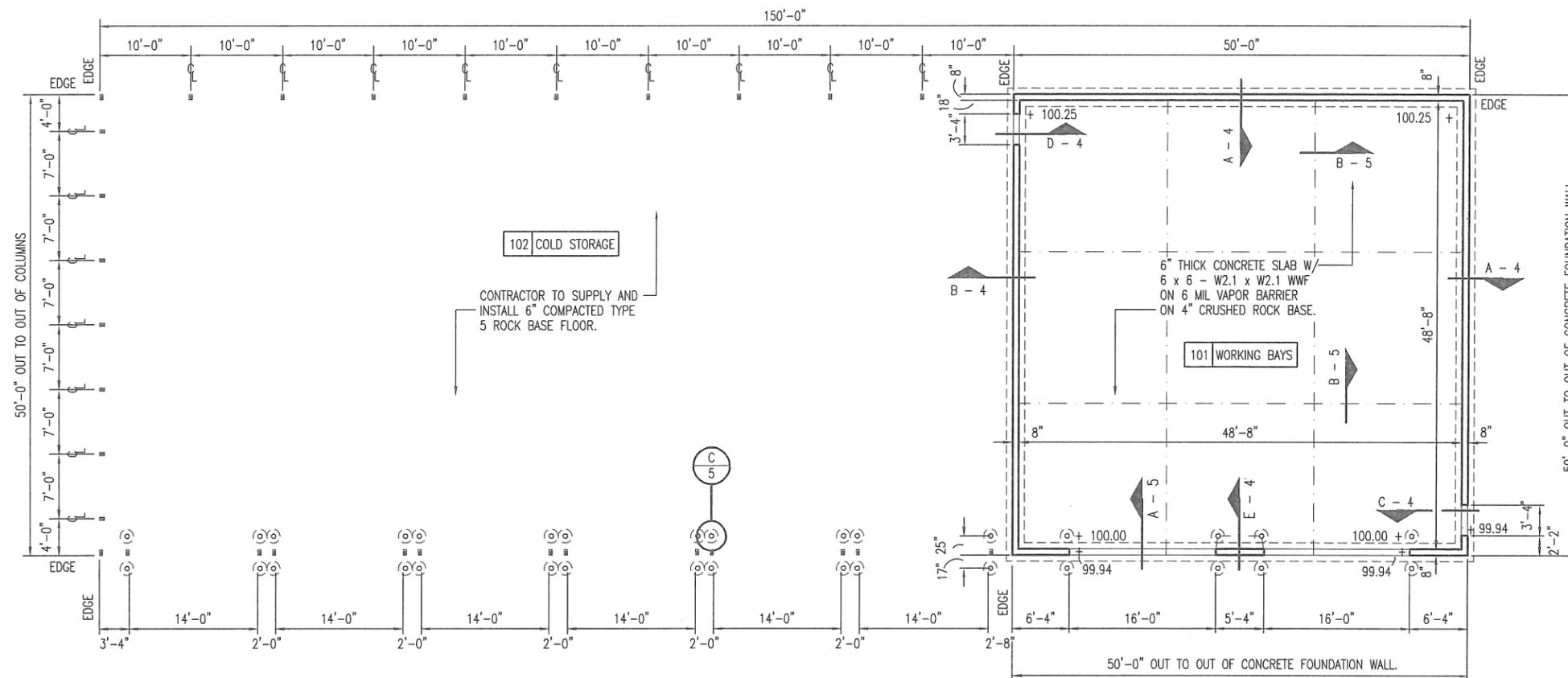
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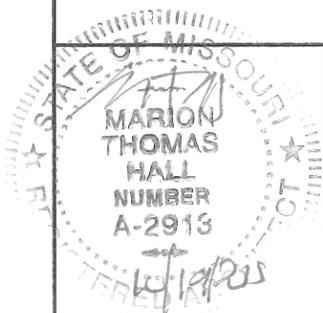
DATE: 11-3-15

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A
3 FOUNDATION PLAN
SCALE: 1/16" = 1'-0"



FOUNDATION PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

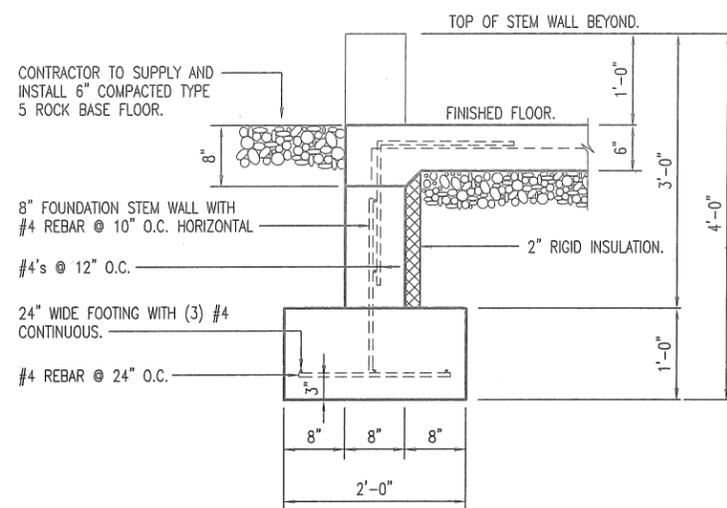
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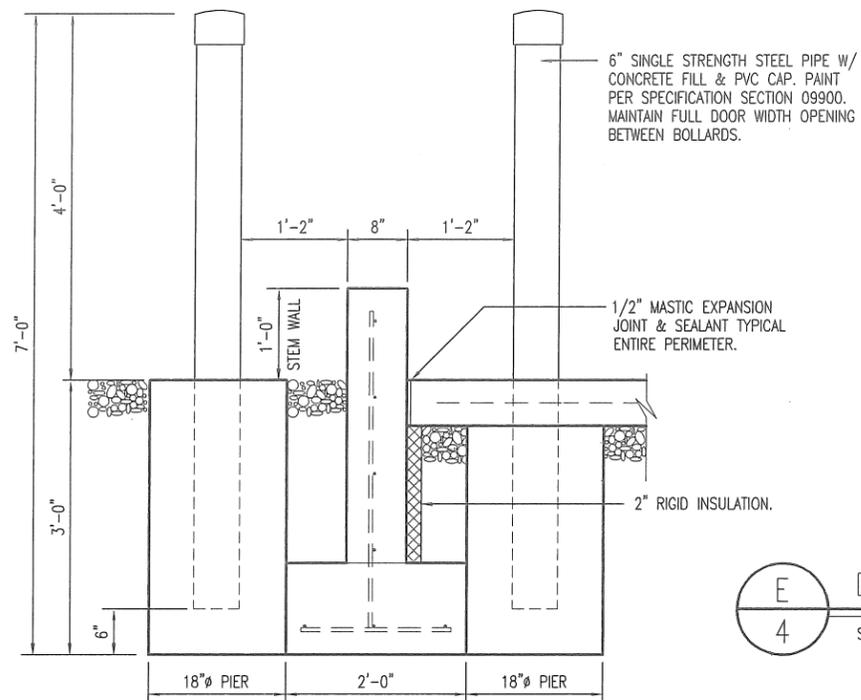
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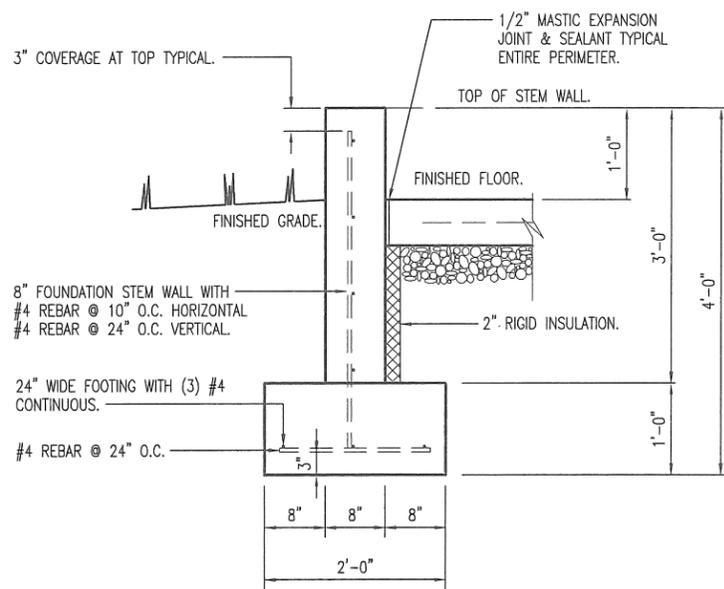
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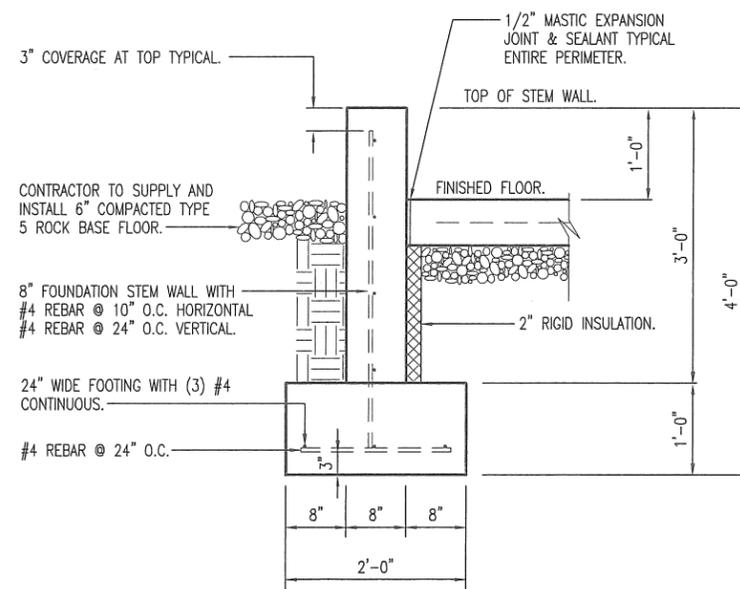
D
4
PASSAGE DOOR
EXTERIOR STEM WALL
SCALE: 1/2" = 1'-0"



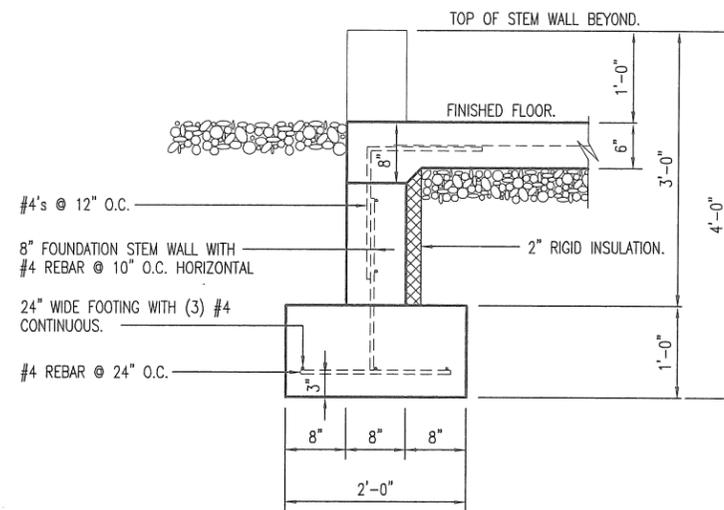
E
4
BOLLARD @ FOOTING DETAIL
SCALE: 1/2" = 1'-0"



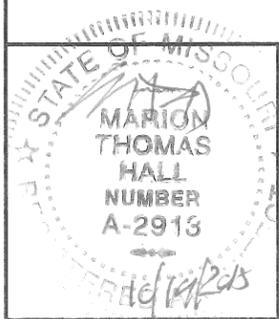
A
4
STEM WALL
SCALE: 1/2" = 1'-0"



B
4
STEM WALL
SCALE: 1/2" = 1'-0"



C
4
EXTERIOR STEM WALL @ DOOR
SCALE: 1/2" = 1'-0"

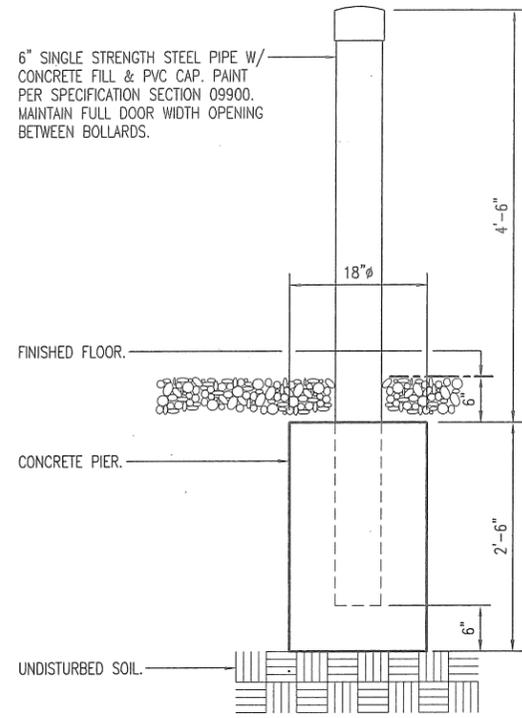


FOUNDATION DETAILS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

FREDERICKTOWN
Working Bays/Cold Storage Building
1001, Madison 200, Fredericktown, MO 63645
Southeast District - Madison County

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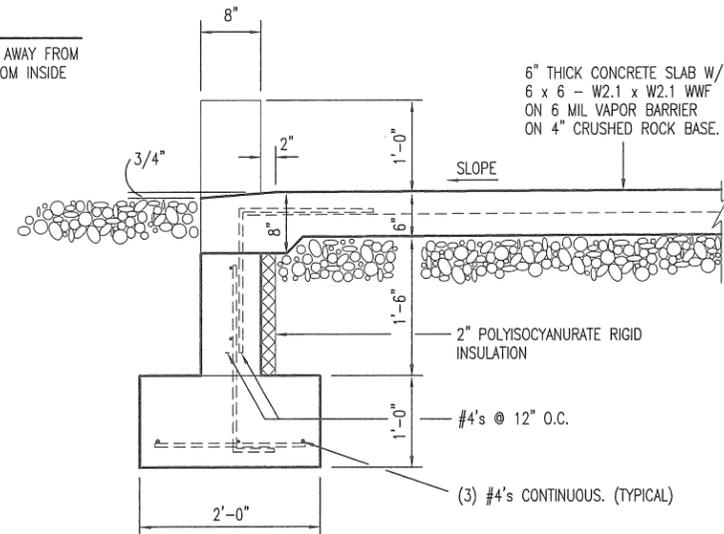


6" SINGLE STRENGTH STEEL PIPE W/
CONCRETE FILL & PVC CAP. PAINT
PER SPECIFICATION SECTION 09900.
MAINTAIN FULL DOOR WIDTH OPENING
BETWEEN BOLLARDS.

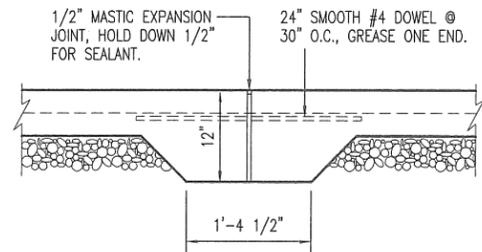
C
5
COLD STORAGE - 24 TOTAL
BOLLARD ELEVATION
SCALE: 1/2" = 1'-0"

CONTRACTOR NOTE:

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



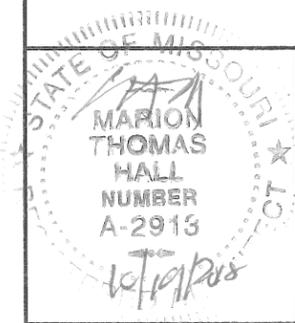
A
5
APPROACH APRON
SCALE: 1/2" = 1'-0"



B
5
EXPANSION JOINT
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. (N.I.C.)
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 INTERIOR PERIMETER OF CONCRETE STEM WALL TO RECEIVE 2" POLYSOCYANURATE RIGID INSULATION BOARD.
13. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.
14. ALL EXPOSED INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03346.
15. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.
16. ALL CONCRETE STEM WALLS TO MONOLITHICALLY POURED.

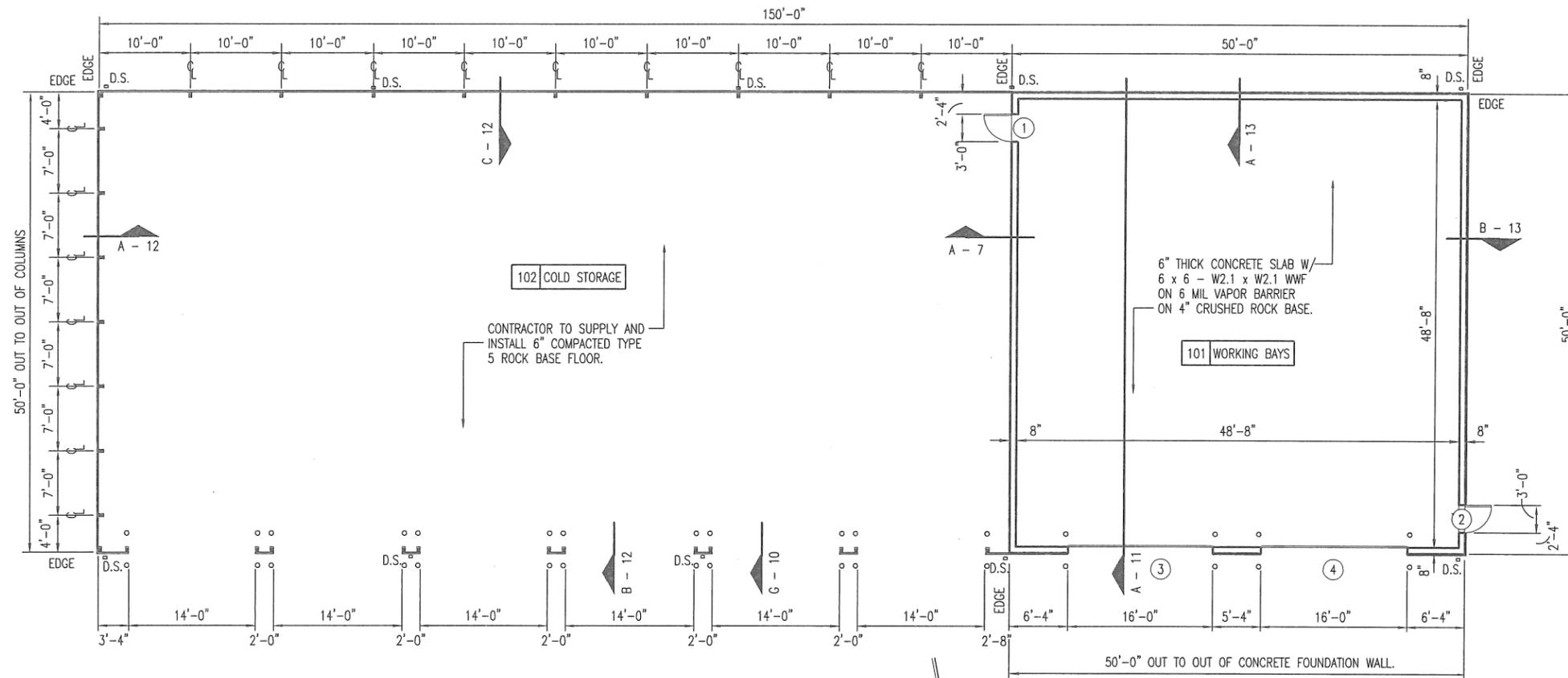


FOUNDATION DETAILS

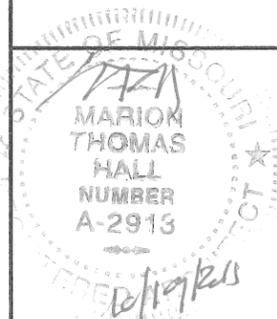
MISSOURI DEPARTMENT
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

FREDERICKTOWN
Working Bays/Cold Storage Building
1001, Madison 200, Fredericktown, MO 63645
Southeast District - Madison County

DESIGN BY: LARRY CARVER
DATE: 9-24-15
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A FLOOR PLAN
6 SCALE: 1/16" = 1'-0"



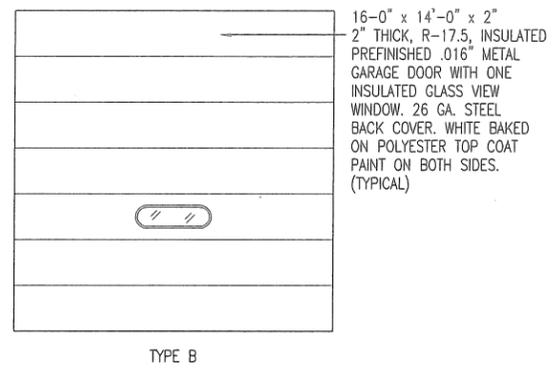
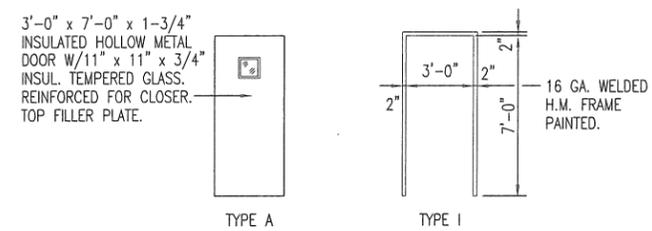
FLOOR PLAN

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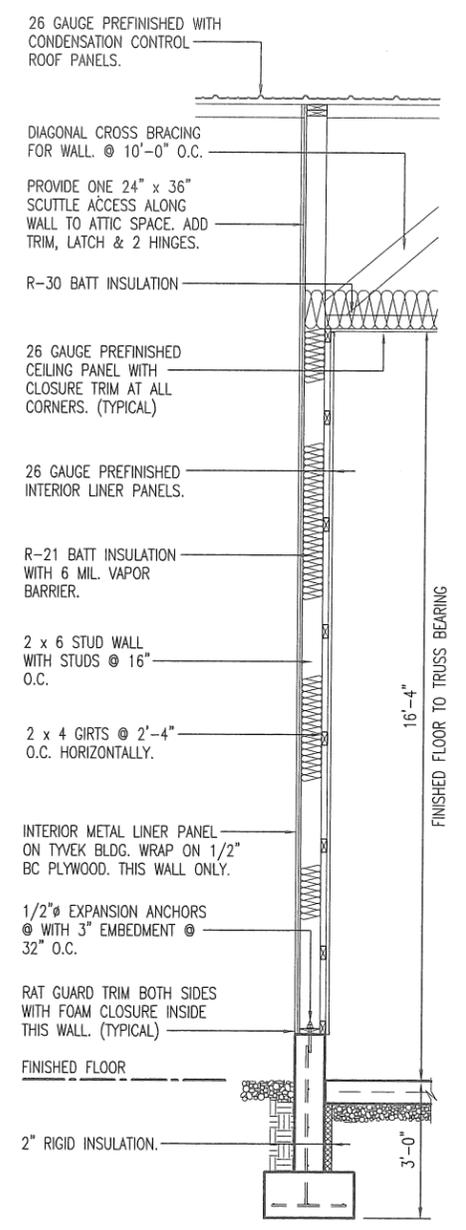
DESIGN BY: LARRY CARVER
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DOOR SCHEDULE							
NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HDWR. GRP.
1	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	D-10	6-1/2"	1
2	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	C-10	6-1/2"	1
3	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-
4	16'-0" x 14'-0" x 2"	-	B	-	A & B-10	-	-



FINISH SCHEDULE								
NO.	ROOM	FLOOR	WALLS	BASE	CEILING			
		CURE AND SEALER ON CONCRETE.	6" COMPACTED TYPE 5 ROCK.	26 GA. INTERIOR PANELS	26 GA. INTERIOR PANELS SOUTH WALL.	NONE	26 GA. CEILING PANELS.	NONE
101	WORKING BAYS	●	●	●	●			
102	COLD STORAGE		●	●	●			●

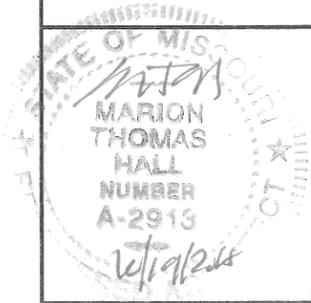
HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
A	36" x 36" SHUTTER MOUNT EXHAUST FAN WITH WEATHERHOOD	DAYTON 1HLB6 & 1WBW2 OR EQUAL 6.4 AMPS	6,480 CFM	ELECTRIC	115	COMMERCIAL TYPE BELT DRIVE WALL EXHAUST FAN INCLUDING OSHA GUARD AND SHUTTER.
B	MOTORIZED DAMPER WITH WEATHERHOOD	DAYTON MODEL 3C728 & 1WBW1 OR EQUAL .37 AMPS	--	ELECTRIC	115	30" MEDIUM GRADE, MOTORIZED, GALVANIZED STEEL DAMPER WITH 1HP MOTOR. WIRE TO OPEN WHEN EXHAUST FAN IS TURNED ON.
C	GAS FIRED UNIT HEATER	REZNOR MODEL UDAP 225 OR EQUAL	186,750	LP GAS	115	TWO STAGE, SINGLE BURNER COMBUSTION, DIRECT SPARK IGNITION, 100% LOCK-OUT & CL-1 STANDARD HEATING ONLY THERMOSTAT.



GENERAL NOTES:

CONTRACTOR 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.

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



SCHEDULES

MISSOURI DEPARTMENT OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

FREDERICKTOWN
 Working Bays/Cold Storage Building
 1001, Madison 200, Fredericktown, MO 63645
 Southeast District - Madison County

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26 GAUGE PREFINISHED WITH
CONDENSATION CONTROL
ROOF PANELS.

EXHAUST FAN WITH LOUVER,
BUG SCREEN, OSHA GUARD
AND WEATHERHOOD.

PREFINISHED ALUMINUM
DOWNSPOUTS & GUTTERS.

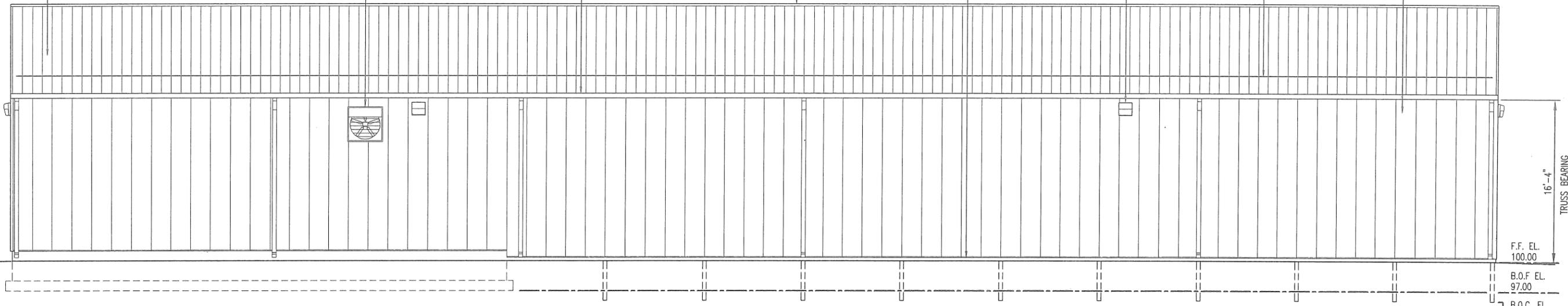
CONTINUOUS VENTED RIDGE CAP.

FOAM CLOSURE WITH RAT
GUARD TRIM. (TYPICAL)

PHOTOELECTRIC CONTROLLED
LIGHTING FIXTURES.

PROVIDE CONTINUOUS SNOWGUARDS
BOTH SIDES OF BUILDING.

26 GAUGE PREFINISHED
EXTERIOR WALL PANELS.



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

26 GAUGE PREFINISHED WITH
CONDENSATION CONTROL
ROOF PANELS.

CONTINUOUS VENTED RIDGE CAP.

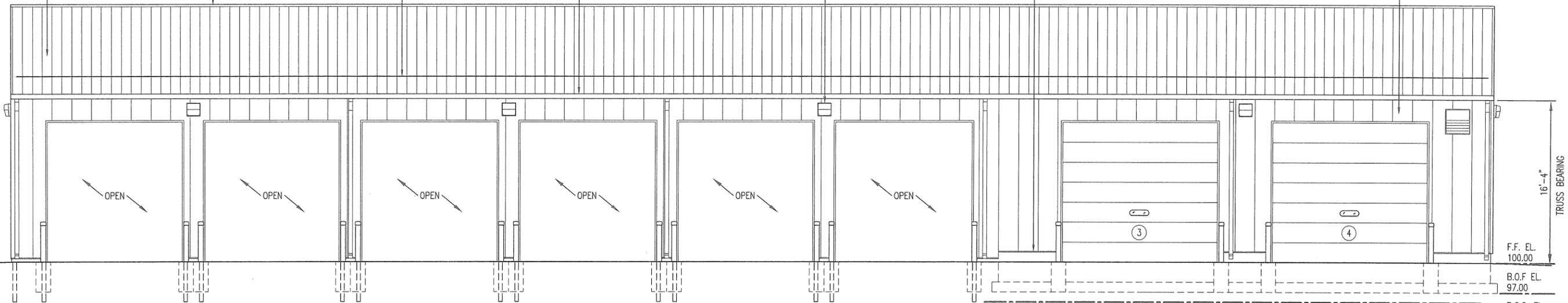
PROVIDE CONTINUOUS SNOWGUARDS
BOTH SIDES OF BUILDING.

PREFINISHED ALUMINUM
DOWNSPOUTS & GUTTERS.

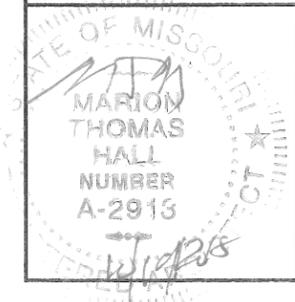
PHOTOELECTRIC CONTROLLED
LIGHTING FIXTURES.

FOAM CLOSURE WITH RAT
GUARD TRIM. (TYPICAL)

26 GAUGE PREFINISHED
EXTERIOR WALL PANELS.



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



NORTH & SOUTH ELEVATIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

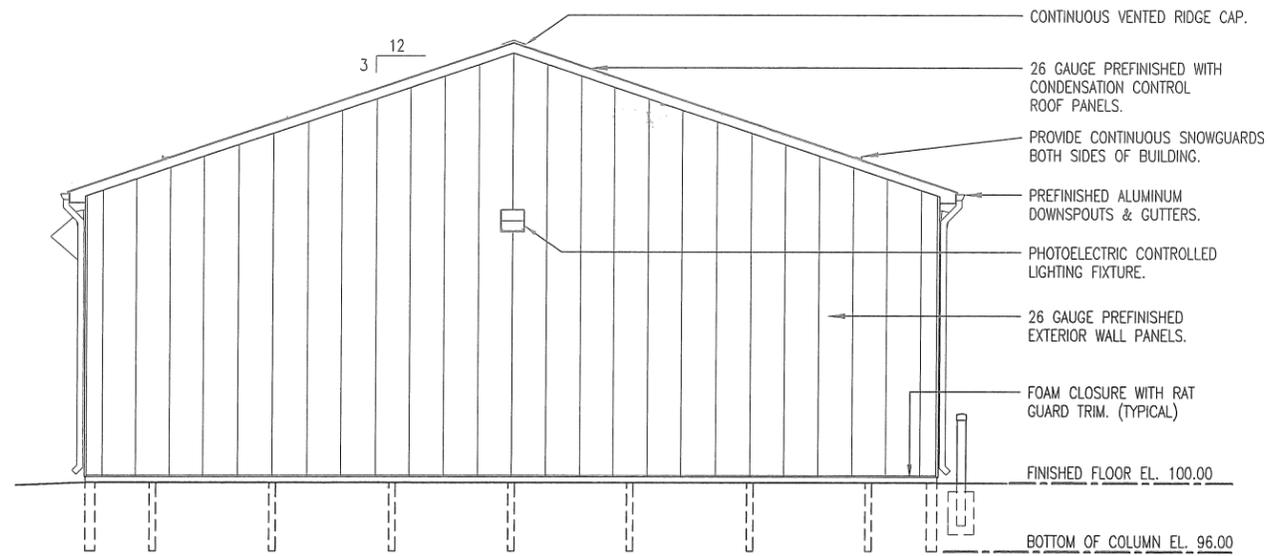
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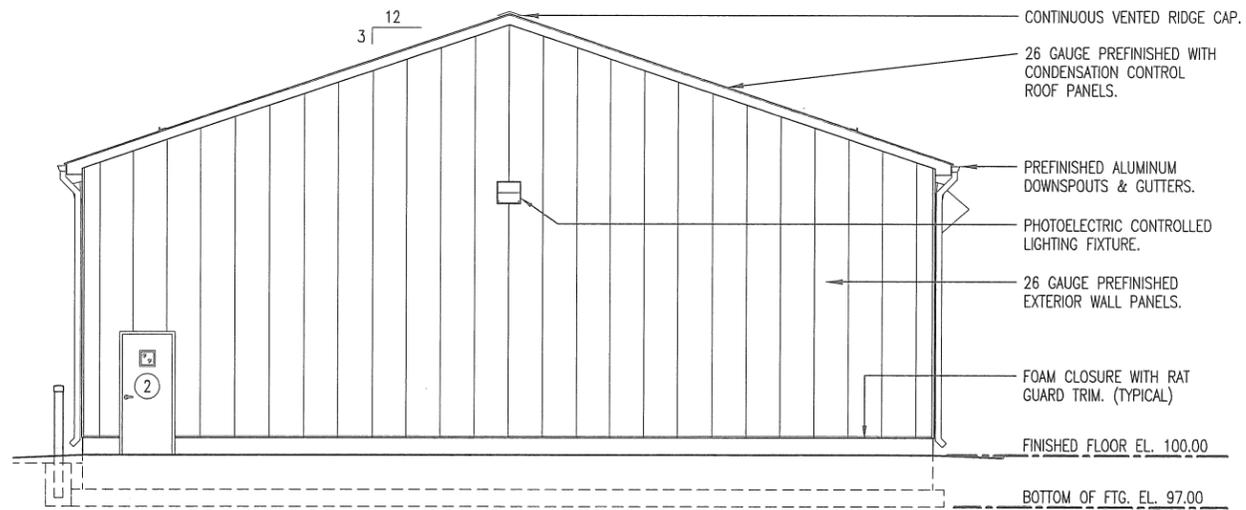
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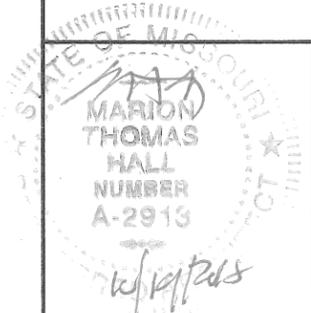
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B WEST ELEVATION
 SCALE: 3/32" = 1'-0"



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



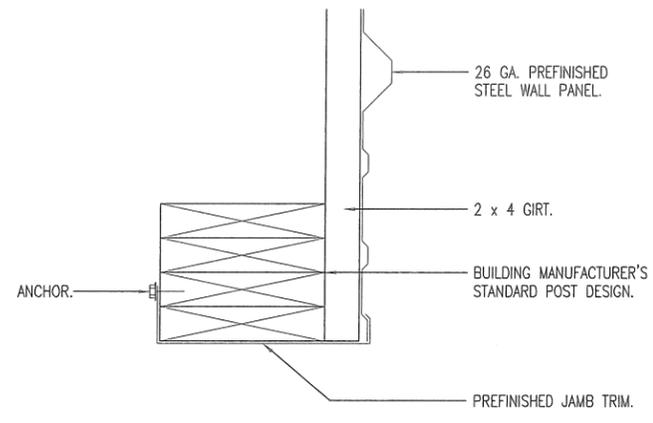
EAST & WEST ELEVATIONS

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

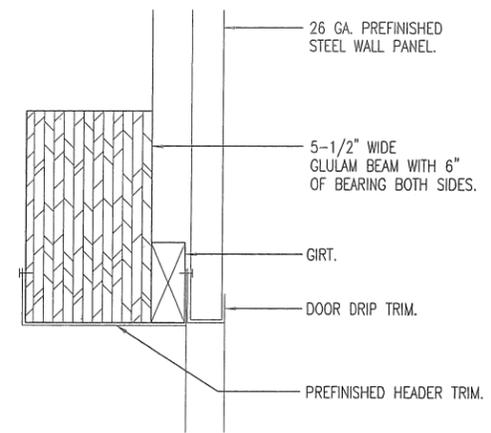
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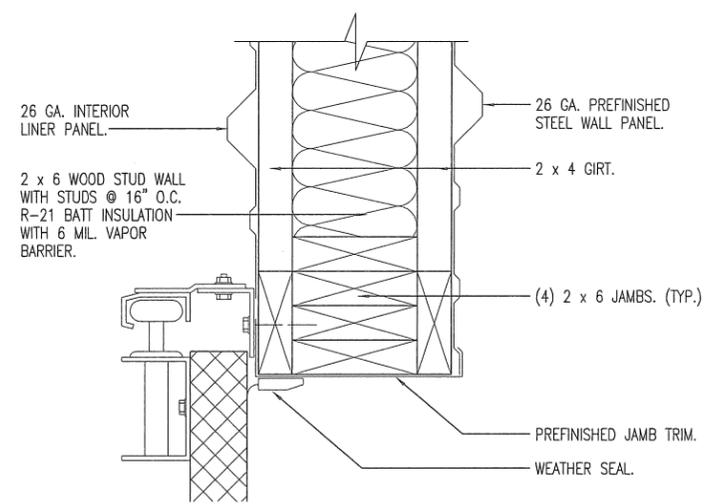
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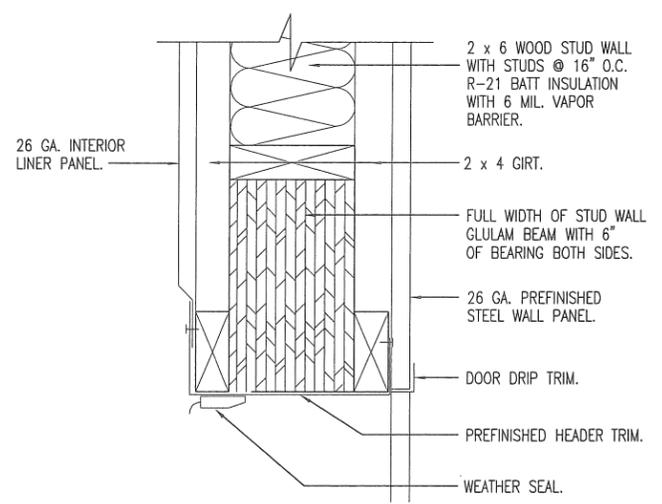
F GARAGE DOOR JAMB
10 SCALE: 1-1/2" = 1'-0"



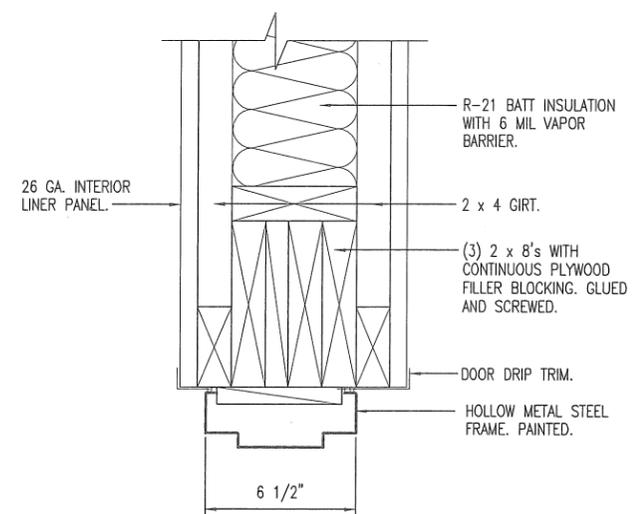
G GARAGE DOOR HEAD
10 SCALE: 1-1/2" = 1'-0"



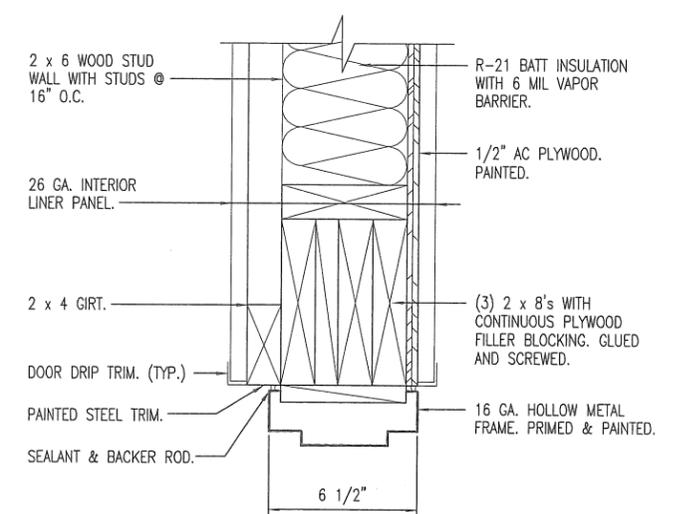
A GARAGE DOOR JAMB
10 SCALE: 1-1/2" = 1'-0"



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



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



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

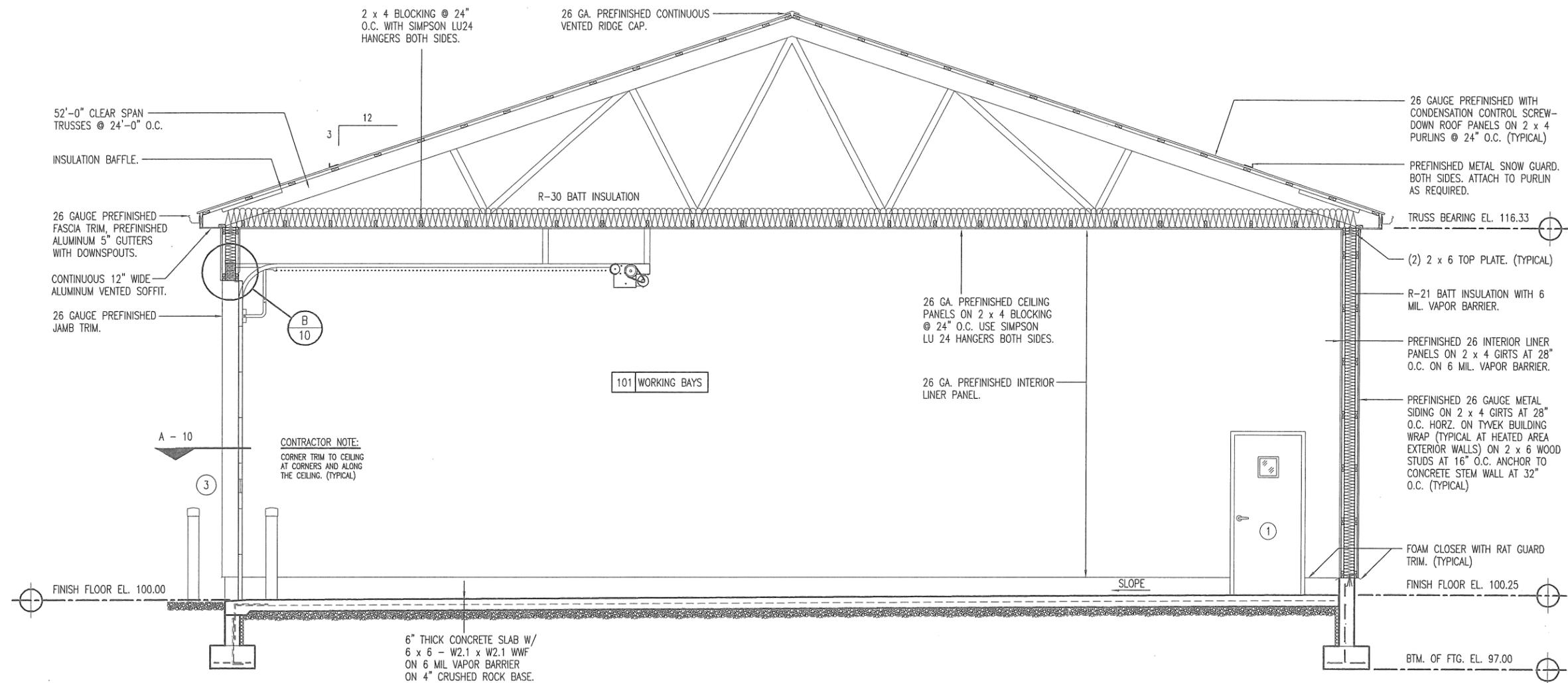
STATE OF MISSOURI
MARION THOMAS HALL
NUMBER A-2913
10/19/2015

HEAD & JAMB DETAILS

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

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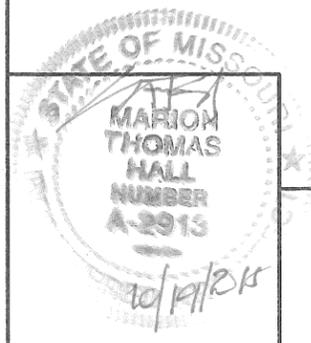
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A
11

BUILDING SECTION

SCALE: 3/16" = 1'-0"



BUILDING SECTION

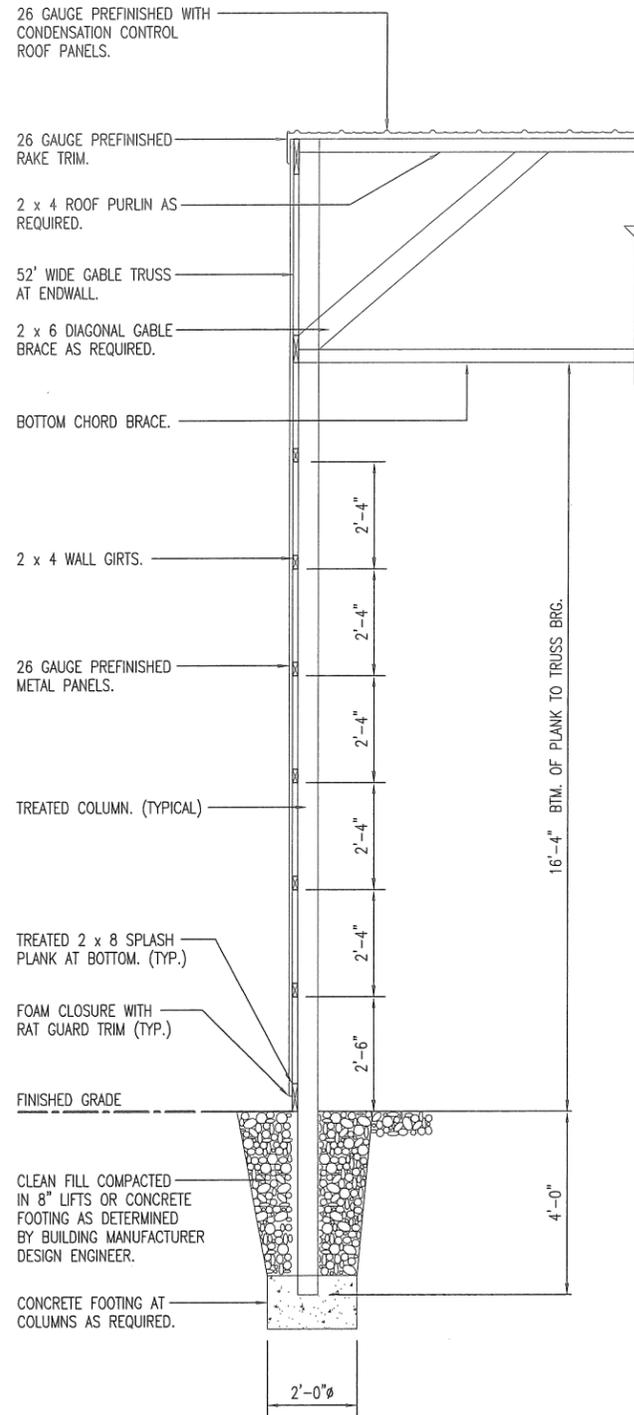
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OF TRANSPORTATION**

DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

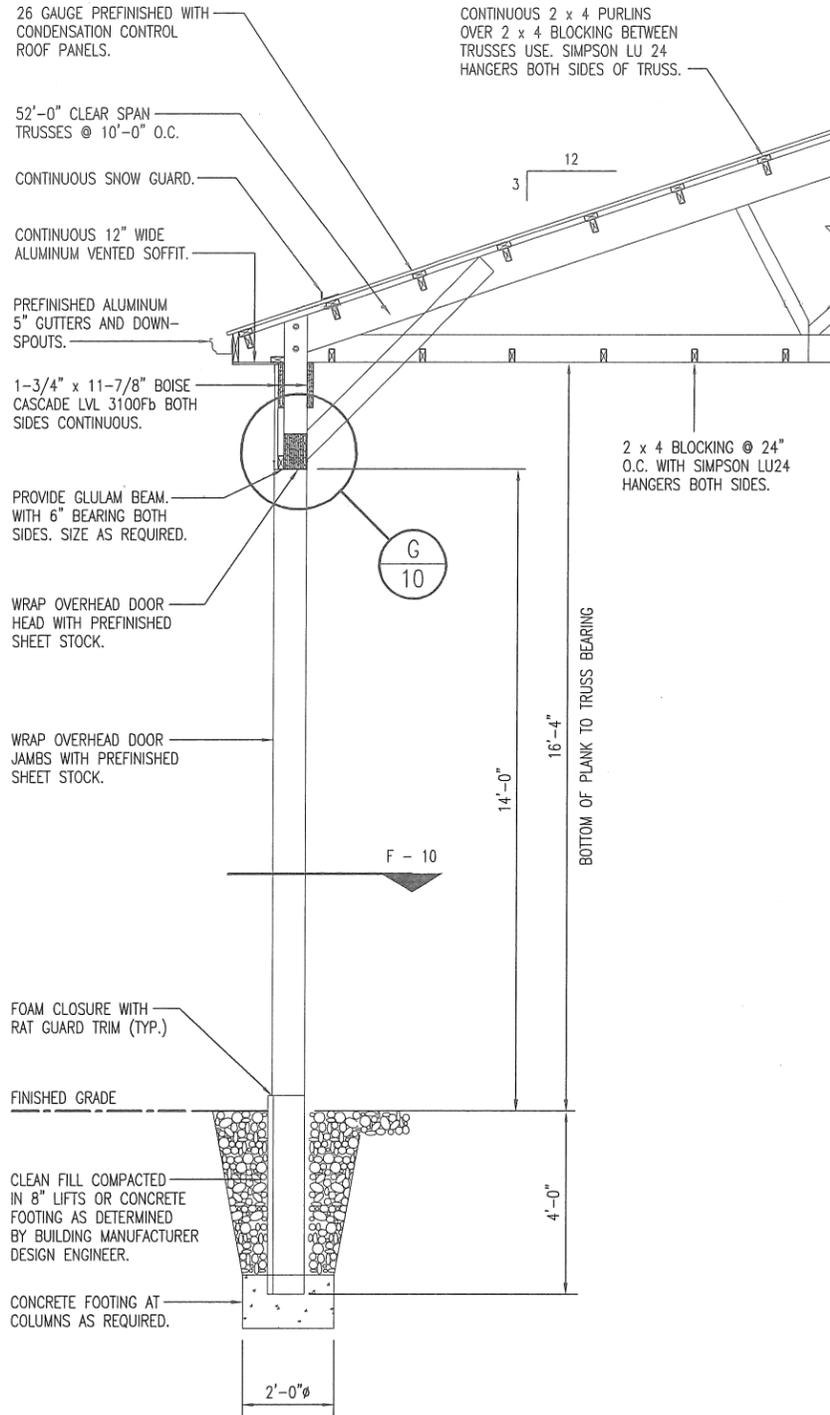
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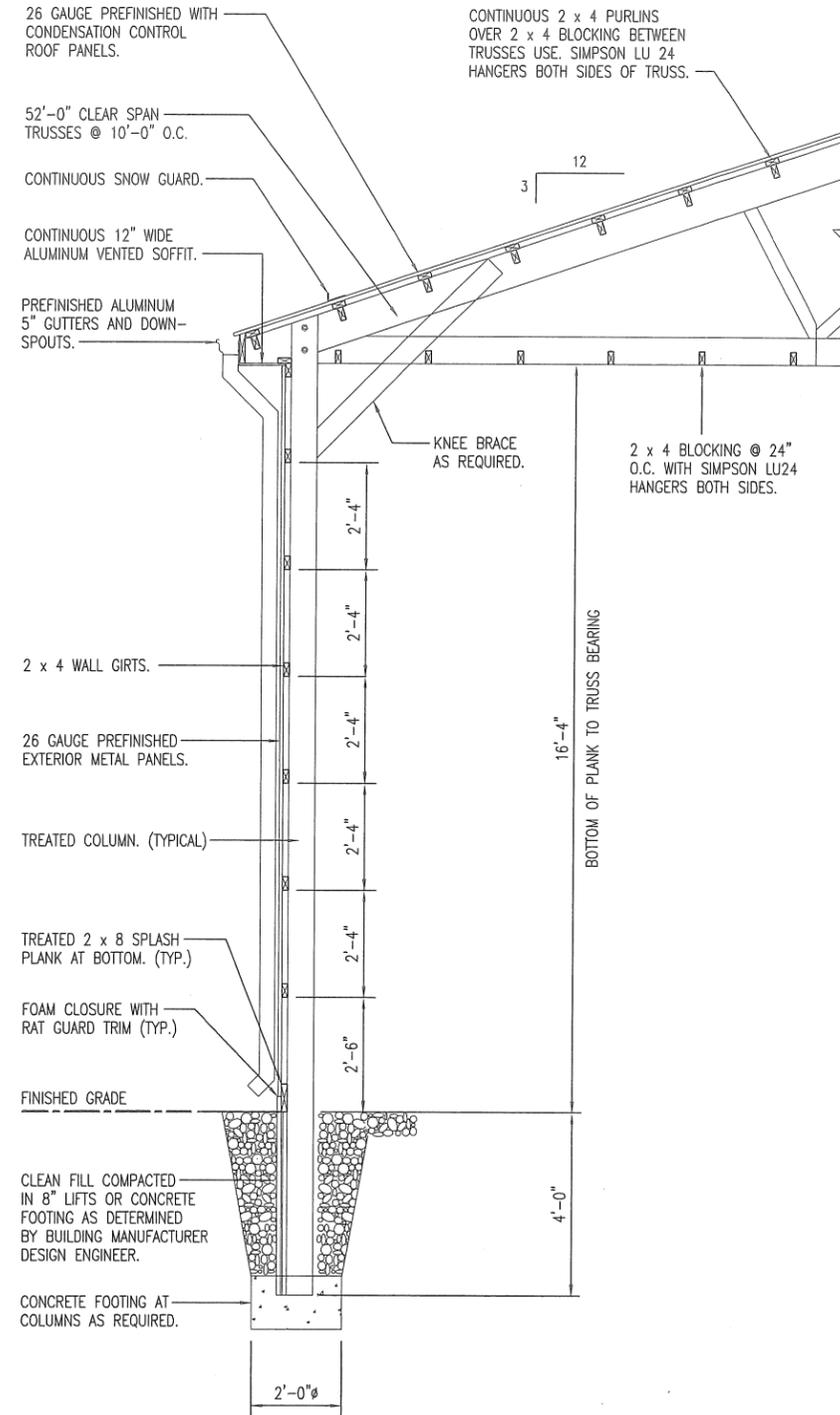
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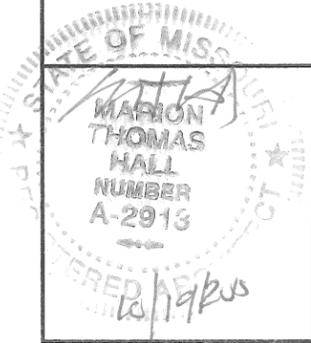
A ENDWALL SECTION
12 SCALE: 1/4" = 1'-0"



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



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



WALL SECTIONS

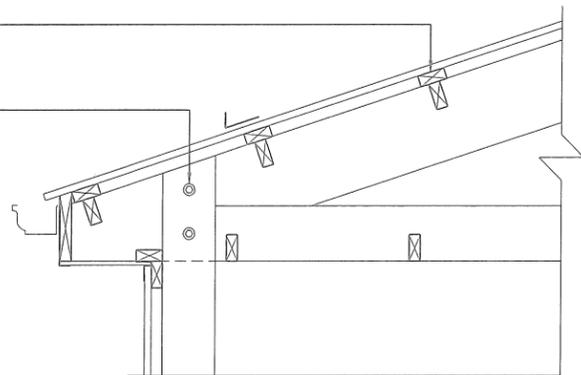
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HORIZONTAL 2 x 4 PURLINS ATTACH @ 24" O.C. OVER VERTICAL PURLINS WITH SIMPSON STRONG-TIE LUS24Z. (TYPICAL)

TRUSS SECURED IN COLUMN POCKET WITH (2) 1/2" x 5-1/2" M BOLTS & (8) 16d THS NAILS. TRUSS SITS IN CENTER OF (3) LAMINATED 2 x 6's. (8) 16d THS NAILS. TYPICAL AT BOTH ENDS OF TRUSS.

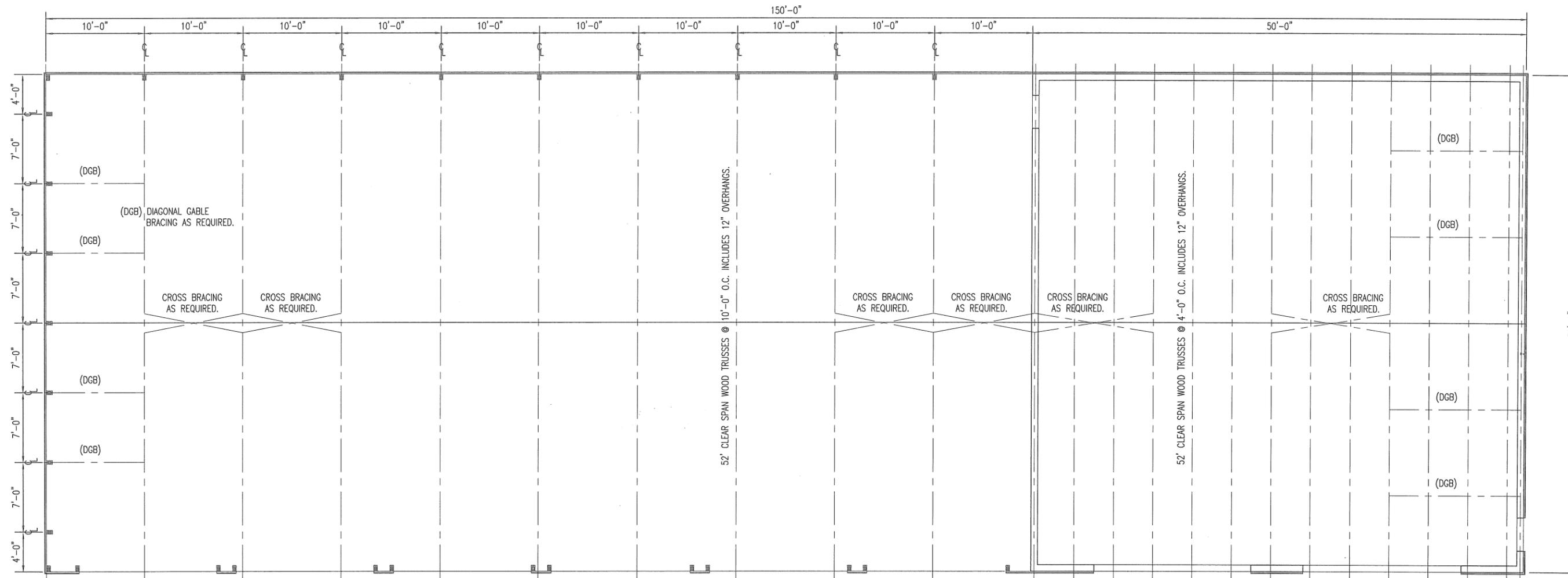


TRUSS TYPICAL AT COLD STORAGE.
B
14
 TRUSS POCKET
 SCALE: 1/2" = 1'-0"

ROOF FRAMING NOTES

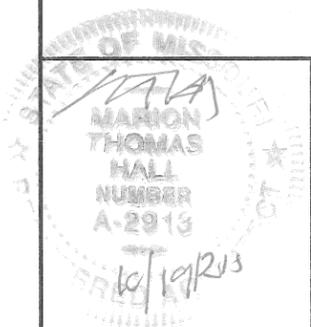
- DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

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" & 10'-0" O.C. SEE FRAMING PLAN.
- TRUSS DESIGN SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI.
- ROOF TRUSSES AND RAFTERS OVER WORKING BAY AREA SHALL BE ANCHORED TO THE TOP PLATE OF LOAD BEARING WALLS WITH SEISMIC AND HURRICANE ANCHORS EQUAL TO SIMPSON STRONG-TIE H2.5A ANCHORS.



SEE HEAD & JAMB DETAILS OF WINDOW AND DOOR HEADERS.

A
14
 ROOF FRAMING PLAN
 SCALE: 3/32" = 1'-0"

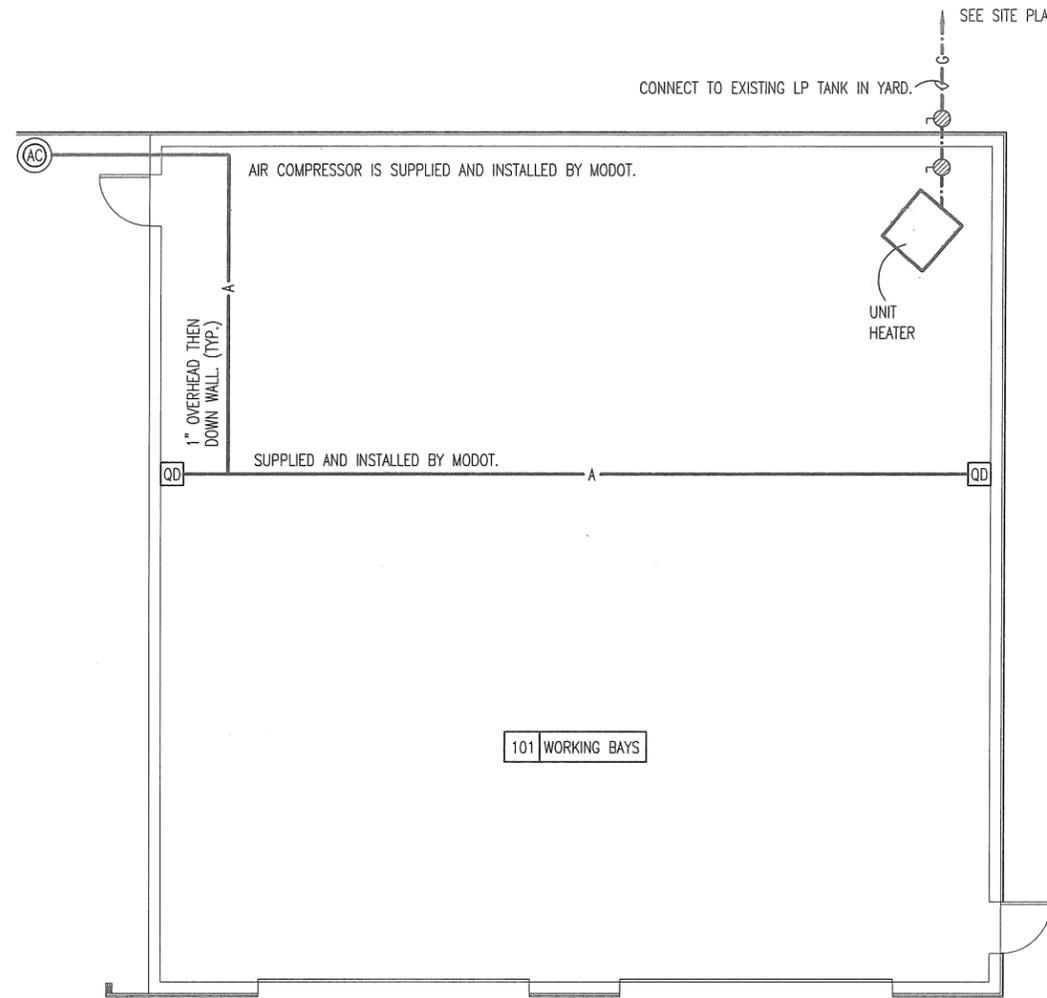


ROOF FRAMING PLAN

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 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

FREDERICKTOWN
 Working Bays/Cold Storage Building
 1001, Madison 200, Fredericktown, MO 63645
 Southeast District - Madison County

DESIGN BY: LARRY CARVER
 DATE: 9-24-15
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SEE SHEET 17 FOR PLUMBING SCHEDULE & NOTES.

LEGEND



A
15
PLUMBING PLAN
SCALE: 3/32" = 1'-0"



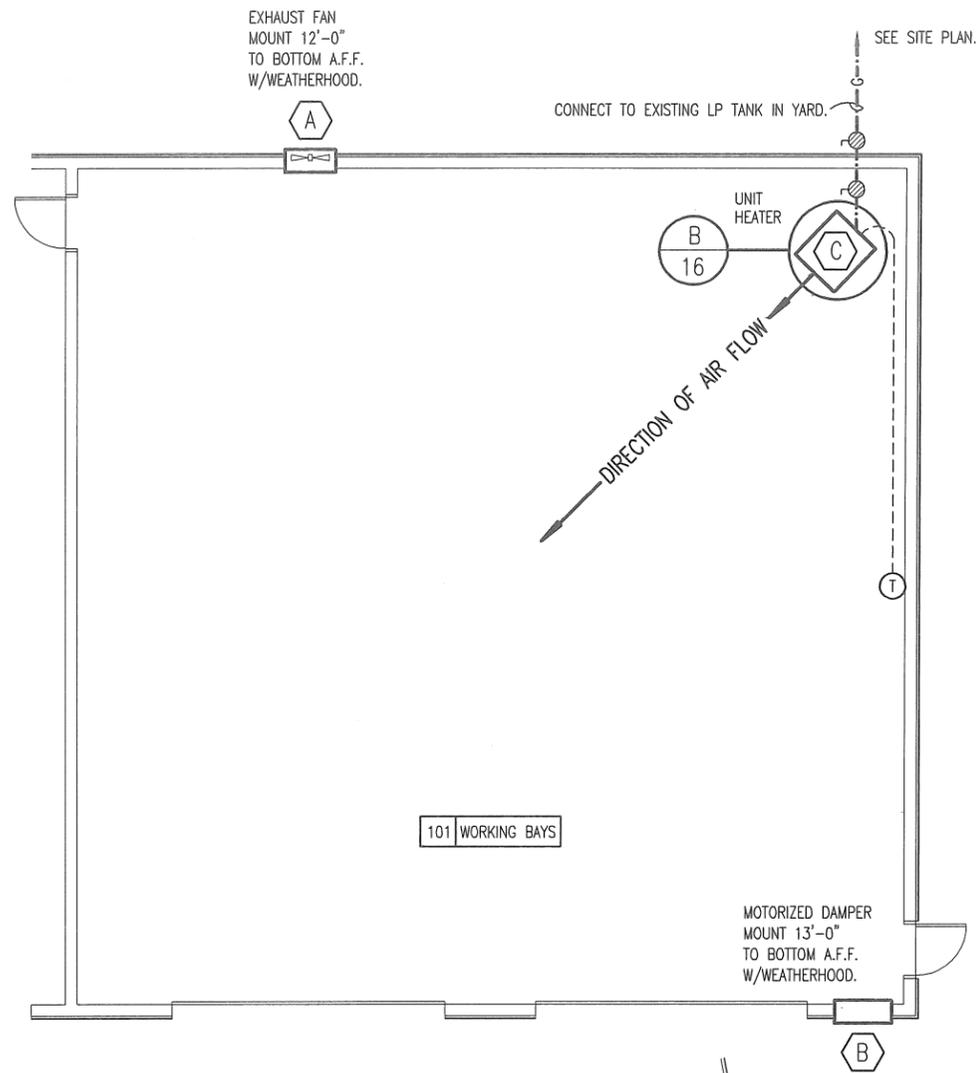
STATE OF MISSOURI
MARION THOMAS
HALL
NUMBER
A-2913
12/19/2015

PLUMBING PLAN

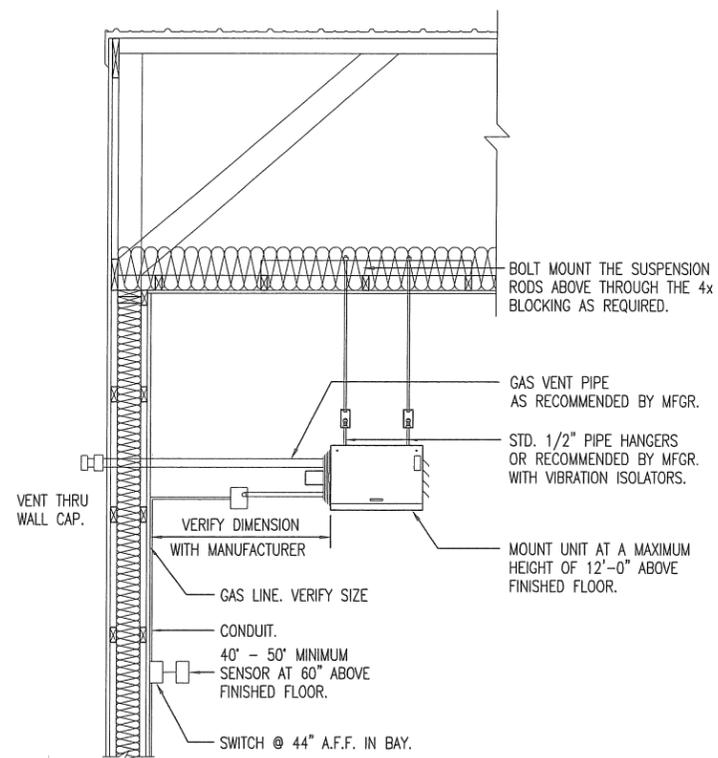
MISSOURI DEPARTMENT
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1001, Madison 200, Fredericktown, MO 63645
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DATE: 6-26-15
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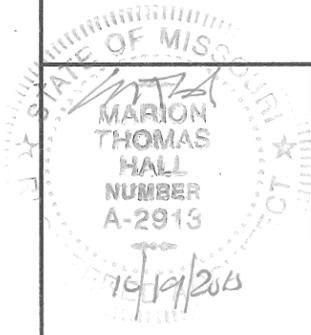
A MECHANICAL PLAN
16 SCALE: 3/32" = 1'-0"



B UNIT HEATER INSTALLATION
16 NOT TO SCALE

SEE SHEET 17 FOR THE MECHANICAL NOTES.

SEE SHEET 7 FOR HVAC FIXTURE SCHEDULE.



MECHANICAL PLAN

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PLUMBING SCHEDULE						
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
QD	QUICK DISCONNECT					SUPPLIED AND INSTALLED BY MODOT. INCLUDES THE IRON PIPE TO THEM.
AC	AIR COMPRESSOR					SUPPLIED AND INSTALLED BY MODOT.

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.

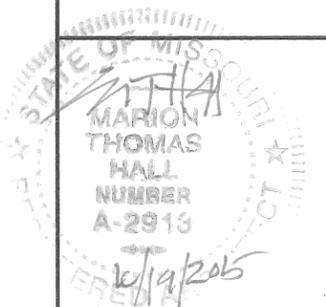
PLUMBING NOTES

1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE.
3. PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
4. SEE MECHANICAL PLAN FOR GAS PIPING AND MECHANICAL REQUIREMENTS.

A
17

PLUMBING & MECHANICAL NOTES

SCALE: NONE



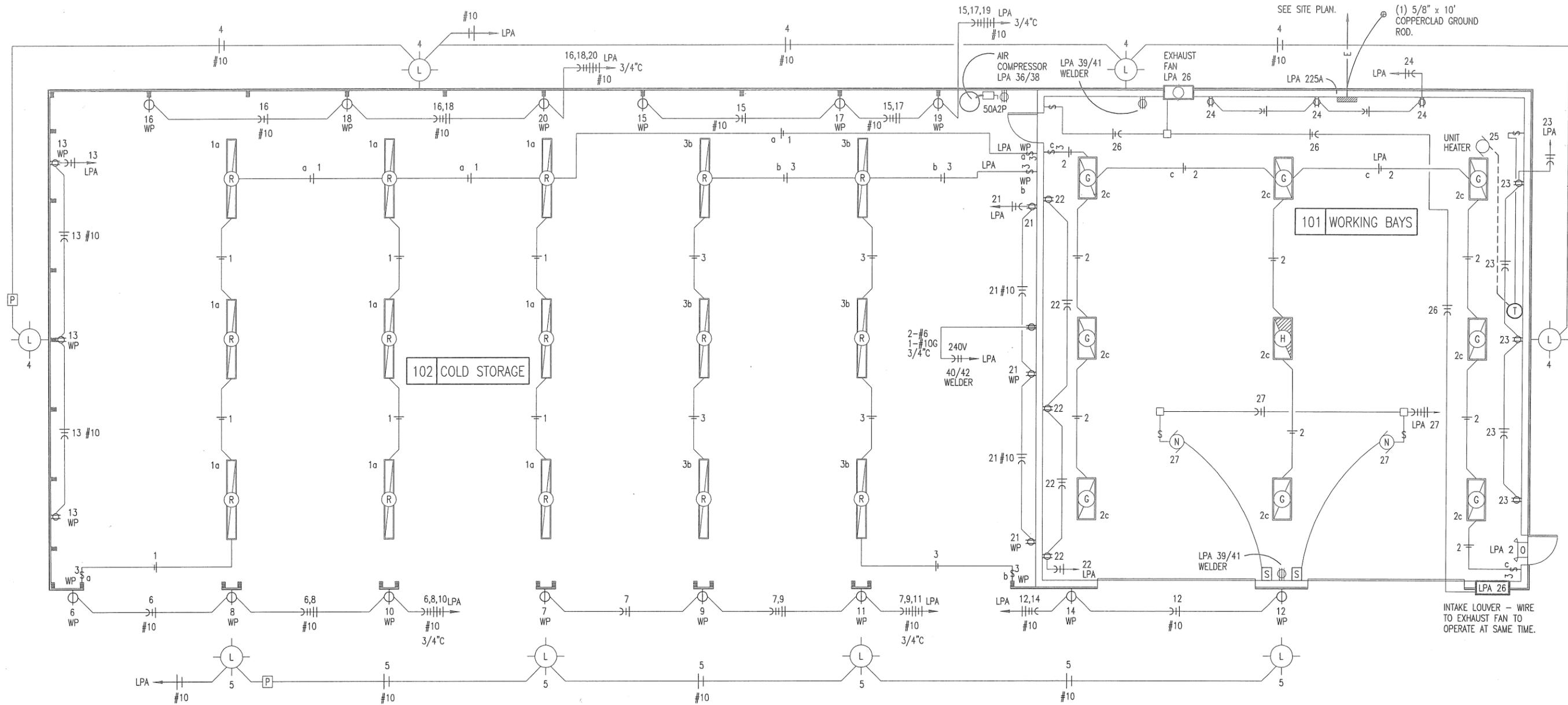
Plumbing & Mechanical Notes

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



SEE ELECTRICAL SCHEDULE,
 LEGEND & NOTES SHEET 19.

STATE OF MISSOURI
 MARION THOMAS HALL
 NUMBER A-2913
 10/19/2015

ELECTRICAL PLAN

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

FREDERICKTOWN
 Working Bays/Cold Storage Building
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ELECTRIC SCHEDULE					
MANUF.	MODEL	#	LAMPS TYPE W	MNT	REMARKS
WILLIAMS 	GL-4-L200/840-WG11- DRV-UNV		LED 174	CLG	14-3/16" x 48" DIE-FORMED ALUMINUM HOUSING WITH WIRE GUARD.
WILLIAMS 	GL-4-L200/840-EM/ BSL310-WG11-DRV-UNV		LED 174	CLG	14-3/16" x 48" DIE-FORMED ALUMINUM HOUSING WITH WIRE GUARD. BACK MOUNTED EMERGENCY LED DRIVER.
ATLAS 	WLM43LED		LED 43	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING. GLARE FREE LENS.
	OVERHEAD DOOR OPERATOR			WALL	115V, 1-PH, TROLLEY TYPE. SEE SPECIFICATION SECTION 08720.
LITHONIA 	LHQM P W3 R N		LED 11	WALL	QUANTUM THERMOPLASTIC EXIT/UNIT COMBO (2) LED 5.4 KRYPTON LAMPS.
TORK 	2001			WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.
WILLIAMS 	GLN-8-L210/8400 WG11-DRV-UNV		LED 171	WALL	8-11/16" x 96" FIXTURE. HEAVY GAUGE ALUMINUM HOUSING WITH WIRE GUARDS.
	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

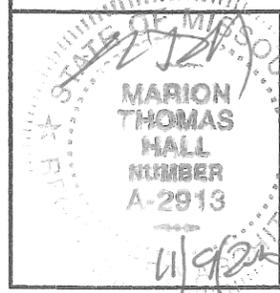
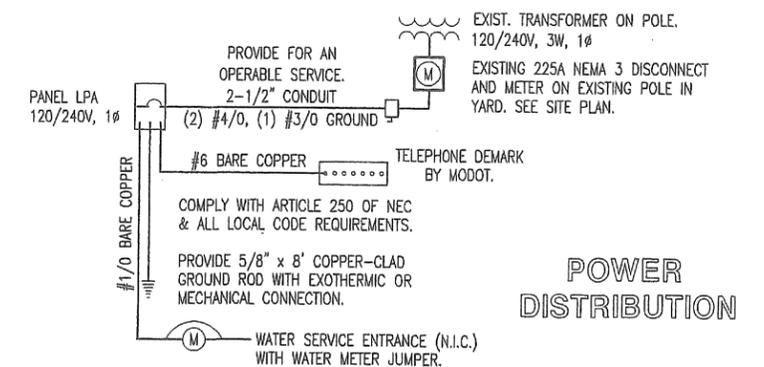
- \$ WP SINGLE POLE OR 3-WAY SWITCH, MOUNT IN FS BOX WITH HUBBELL HBL7420 COVER.
 - Φ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 COVER.
 - Φ WP SINGLE RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL7423 COVER.
 - \$ SINGLE POLE SWITCH, FLUSH MOUNTED IN FINISHED AREAS @ 48" A.F.F.
 - \$³ 3-WAY SWITCH, SURFACE MOUNTED IN UNFINISHED AREAS @ 48" A.F.F.
 - Φ DUPLEX RECEPTACLE SURFACE MOUNTED IN UNFINISHED AREAS @ 48" A.F.F.
 - Φ WELDER RECEPTACLE SURFACE MOUNTED 48" A.F.F., MOUNT IN 4" SQUARE BOX WITH RAISED COVER.
 - NO FUSED DISCONNECT SWITCH.
 - Φ GFI DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER. PROVIDE SEPARATE GROUND PER CIRCUIT. TYPICAL.
 - 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: 225A MLO VOLTS: 240/120, 1PH, 3-WIRE BUS MATERIAL: COPPER MOUNTING: SURFACE		SQUARE "D" NQOD OR EQUAL W/ NEUTRAL BUS & GROUNDING BUS CIRCUIT BREAKERS BOLT-IN 10000 AIC			CONNECTED LOAD A PHASE 24766 VA B PHASE 26040 VA TOTAL 50806 VA 212 A		
CIR	SERVICE	VA	BKR	BKR	VA	SERVICE	CIR
1	LIGHTS - 101 COLD STORAGE	539	20A1P	A	30A1P 1566	LIGHTS - 102 WORKING BAYS	2
3	LIGHTS - 101 COLD STORAGE	1026	20A1P	B	20A1P 172	EXTERIOR LIGHTING	4
5	EXTERIOR LIGHTING	172	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	20A1P 1000	EXTERIOR RECEPTACLE	12
13	RECEPTACLES - 102	540	20A1P	A	20A1P 1000	EXTERIOR RECEPTACLE	14
15	BLOCK RECEPTACLE	1000	20A1P	B	20A1P 1000	BLOCK RECEPTACLE	16
17	BLOCK RECEPTACLE	1000	20A1P	A	20A1P 1000	BLOCK RECEPTACLE	18
19	BLOCK RECEPTACLE	1000	20A1P	B	20A1P 1000	BLOCK RECEPTACLE	20
21	RECEPTACLES	540	20A1P	A	20A1P 540	RECEPTACLES	22
23	RECEPTACLES	540	20A1P	B	20A1P 540	RECEPTACLES	24
25	UNIT HEATER	456	20A1P	A	20A1P 813	EXHAUST FAN & LOUVER	26
27	GARAGE DOOR OPENERS	2162	30A1P	B			28
29				A			30
31				B			32
33				A			34
35			B	50A2P	4600	AIR COMPRESSOR	36
37			A		4600		38
39	WELDER	4500	50A2P	B	50A2P 4500	WELDER	40
41		4500		A	4500		42

● CIRCUIT BREAKER SHALL BE GFI RATED

ELECTRICAL NOTES

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- 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.
- SEE HVAC SCHEDULE FOR EQUIPMENT TO BE HARD WIRED, PROVIDE SERVICE DISCONNECT AT EACH.
- 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.
- STARTING AT NEW PANEL BOARD (LPA) PROVIDE CONDUCTORS IN NEW CONDUIT AS REQUIRED TO AN EXISTING POWER POLE, EXISTING METER AND SERVICE DISCONNECT AS REQUIRED FOR AN OPERABLE SERVICE.



ELECTRICAL PANEL

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