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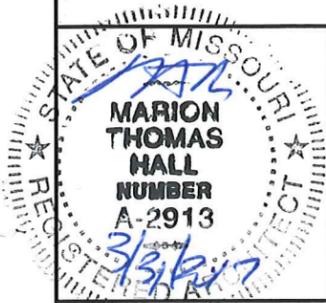
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MISSOURI DEPARTMENT  
OF TRANSPORTATION

Watson  
Truck Inspection Building  
Northwest District  
124181, I-29 South, Watson, MO 64496  
Atchison County

CODE REQUIREMENTS

BUILDING CODE: ANALYSIS BASED ON 2013 INTERNATIONAL BUILDING CODE  
2013 INTERNATIONAL PLUMBING CODE  
2013 INTERNATIONAL MECHANICAL CODE  
2013 NATIONAL ELECTRICAL CODE



COVER SHEET

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
124181, I-29 South, 64496

DESIGN BY: LARRY CARVER  
DATE: 3-31-17

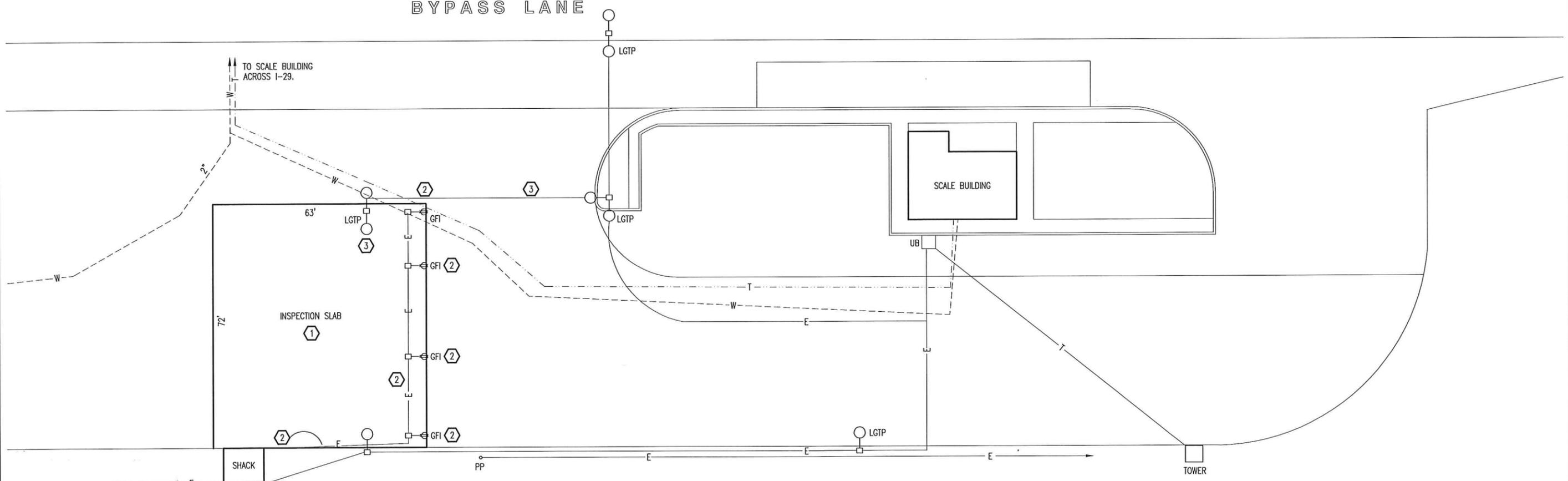
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SOUTHBOUND I-29

LEGEND (EXISTING)

- TELEPHONE/DATA ----- T -----
- ELECTRIC 1 PHASE ----- E -----
- WATER ----- W -----
- POWER POLE - PP
- UTILITY BOX - UB
- LIGHT POLE - LHPT

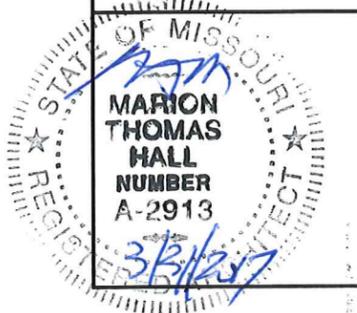
BYPASS LANE



A  
2  
DEMOLITION PLAN  
SCALE: 1" = 30'-0"



FOR SITE PLAN NOTES SEE SHEET 4.



DEMOLITION PLAN

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
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SOUTHBOUND I-29

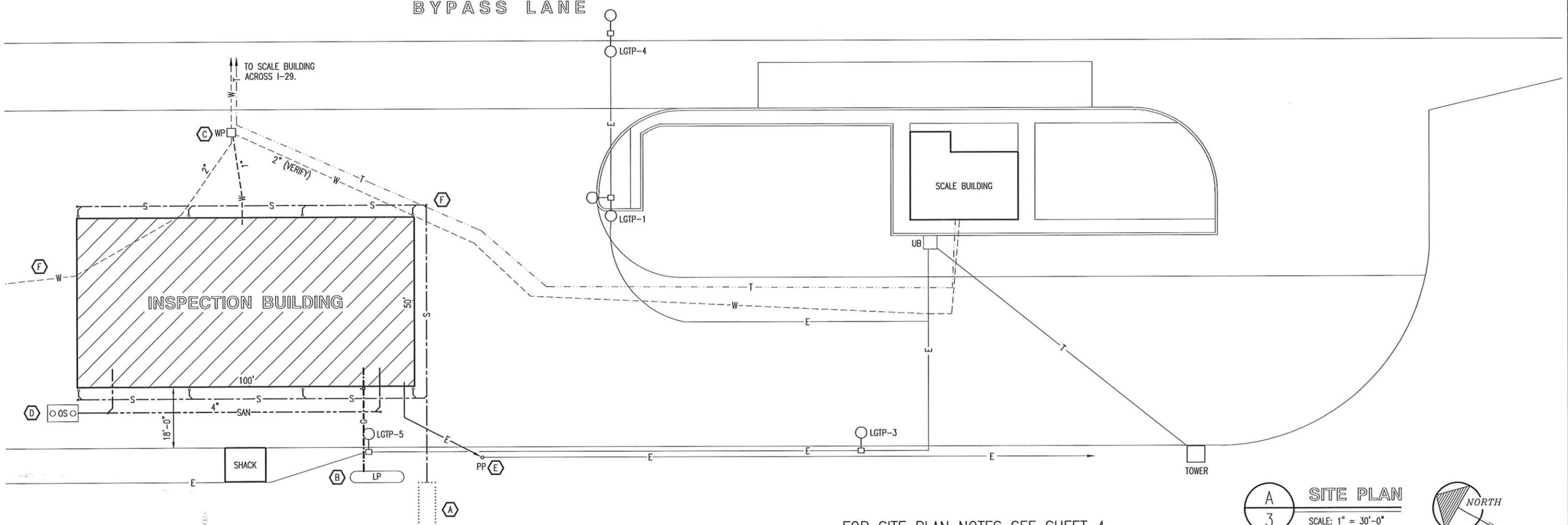
LEGEND (EXISTING)

- TELEPHONE/DATA ----- T -----
- ELECTRIC 1 PHASE ----- E -----
- WATER ----- W -----
- POWER POLE - PP
- UTILITY BOX - UB
- LIGHT POLE - LGTP
- 1,000 GALLON LP TANK - LP

LEGEND (NEW)

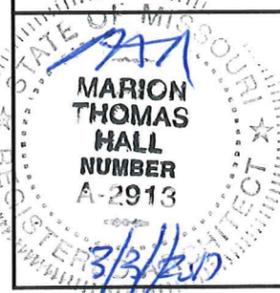
- NATURAL GAS ----- G -----
- WATER ----- W -----
- ELECTRIC 1 PHASE ----- E -----
- STORM SEWER ----- S -----
- SANITARY SEWER ----- SAN -----
- 1,200 GAL. OIL SEPARATOR - OS
- WATER PIT - WP

BYPASS LANE



FOR SITE PLAN NOTES SEE SHEET 4.

A 3 SITE PLAN SCALE: 1" = 30'-0"



SITE PLAN

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
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FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
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DATE: 3-31-17  
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**DEMOLITION NOTES**

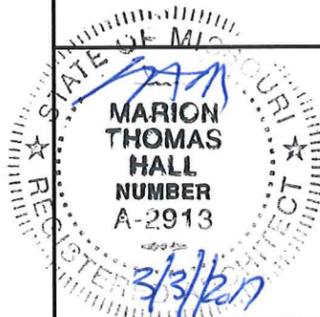
- ① CONTRACTOR TO REMOVE 63' x 72' x 6" CONCRETE INSPECTION SLAB AS REQUIRED WITH IN-SLAB DRAIN & PIPE. DISCARD OFF-SITE. PROTECT ALL EXISTING UTILITIES.
- ② CONTRACTOR TO REMOVE AND DISCARD OFF-SITE ELECTRICAL CONDUCTORS WITH CONDUIT AND FOUR GFI OUTLETS MOUNTED ON PIPES. SEVER AT EXISTING 50 AMP PANEL BOARD IN SHACK. PANEL BOARD TO REMAIN.
- ③ CONTRACTOR TO SEVER CONDUCTORS FROM LIGHT POLE (LGTP-1) TO EXISTING LIGHT POLE (LGTP-2). REMOVE LIGHT POLE (LGTP-2) & RETURN TO OWNER.

**SITE NOTES**

- Ⓐ RUN STORM SEWER TO DAYLIGHT. CONTRACTOR TO PROVIDE 15'-0" LONG x 5'-0" x 12" DEEP RIP-RAP (3" DIAMETER ROCK) OVER 4.1 OUNCE, 30 MIL. WEED BARRIER. SEE PLUMBING PLAN FOR THE STORM SCHEDULE 35 PVC SIZE(S). CHANGE TO SCHEDULE 40 PVC 3'-0" FROM DAY-LIGHTING INTO RIP-RAP. SEE DETAIL C-7. 28'± TO RIP-RAP.
- Ⓑ CONTRACTOR TO MAKE CONNECTION AS REQUIRED FOR AN OPERABLE GAS SERVICE FROM MODOT PROVIDED 1,000 GALLON PROPANE TANK. CONTRACTOR TO PROVIDE CORRECTLY SIZED 4" THICK CONCRETE PAD.
- Ⓒ CONTRACTOR TO MAKE CONNECTION AS REQUIRED AT AN EXISTING 2" WATER LINE IN YARD. ADD FIBERGLASS/CONCRETE PIT WITH HEAVY DUTY LID SIZED AS REQUIRED. IN THE PIT ADD 2" (VERIFY) SHUT-OFF TO NORTHBOUND SCALE BUILDING ACROSS I-29, 2" (VERIFY) SHUT-OFF TO THE SOUTHBOUND SCALE BUILDING & 1" SHUT-OFF TO NEW SERVICE INTO INSPECTION BUILDING. CHANGE TO COPPER THROUGH WALL AND INTO INSPECTION BUILDING FOR A FUNCTIONAL SERVICE.
- Ⓓ CONTRACTOR TO PROVIDE AND INSTALL A 1,200 GALLON OIL SEPARATOR ACTING AS HOLDING TANK FOR SANITARY SERVICE AS REQUIRED FOR A FUNCTIONAL SYSTEM 5'-0" FROM WESTERN WALL OF NEW INSPECTION BUILDING. SEE PLUMBING PLAN.
- Ⓔ CONTRACTOR TO PROVIDE CONDUCTORS IN CONDUIT AS REQUIRED FROM AN EXISTING METER AND DISCONNECT ON AN EXISTING POWER POLE APPROXIMATELY 35'-0"± IN YARD THROUGH WEST WALL TO LPA FOR A FUNCTIONAL SERVICE.
- Ⓕ CONTRACTOR TO MAINTAIN WATER AND DATA SERVICE TO NORTHBOUND SCALE BUILDING DURING CONSTRUCTION. REROUTE WATER AND DATA IF THEY INTERFERE WITH NEW CONSTRUCTION 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.
  - PROVIDE 6" OF COMPACTED 1" MINUS ROCK UP TO 15'-0" OUTSIDE OF EITHER NEW BUILDING AND INCLUDING APPROACH PAD(S). CONTOUR TO DRAIN AWAY FROM NEW CONSTRUCTION.
  - VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION.
  - MODOT TO HAVE THE FOUR CORNERS OF INSPECTION BUILDING STAKED.
  - EXCAVATED SOIL AND ROCK NOT USED CAN BE PLACED ON SITE. AREA TO BE DESIGNATED BY OWNER.
  - CONTRACTOR TO INSTALL TRACER WIRE ON ALL WATER AND SEWER SYSTEMS AND AN ACCESS POINT WITHIN A PROTECTIVE ENCLOSURE IN THE PUBLIC RIGHT OF WAY FOR ANY NEWLY INSTALLED OR FULLY REPLACED FACILITIES.
  - CONTRACTOR TO PROVIDE AND INSTALL ADEQUATE AMOUNT OF TOPSOIL, STARTER FERTILIZER, TRIPLE "T" SEED AND STRAW FOR ANY LAWN AREAS TO REMAIN AS SAME BUT DISTURBED DURING CONSTRUCTION.
  - CONTRACTOR TO REMOVE OFF-SITE ALL THE DEMOLITION MATERIAL OF THE CONCRETE INSPECTION SLAB.
  - CONTRACTOR TO COMPACT AND LEVEL THE FOOTPRINT OF THE NEW INSPECTION BUILDING AND APPROACH SLAB TO THE SAME ELEVATION OF THE DEMOLISHED INSPECTION SLAB AS REQUIRED.



NOTES

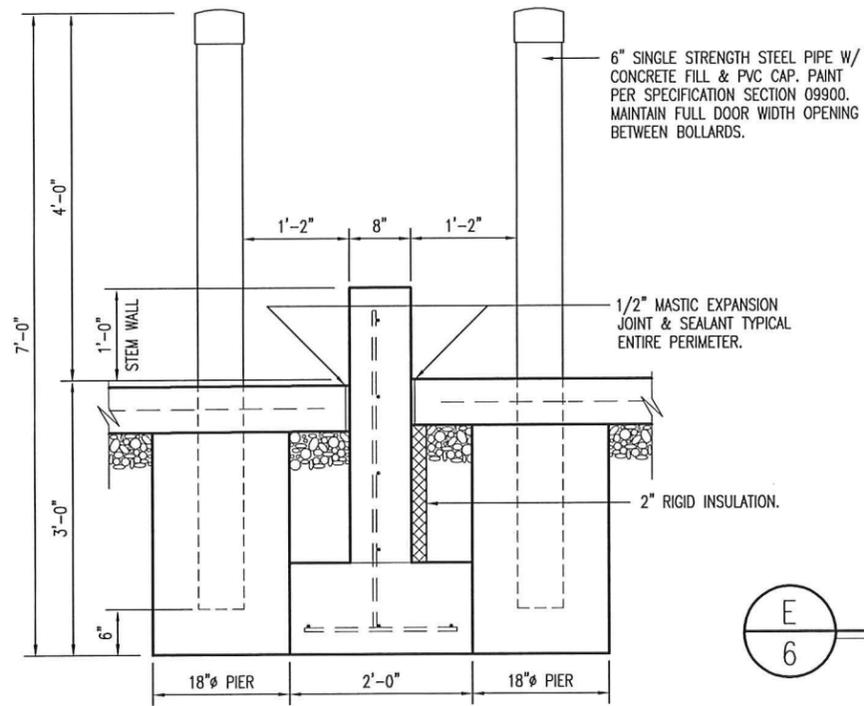
MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
124181, I-29 South, 64496

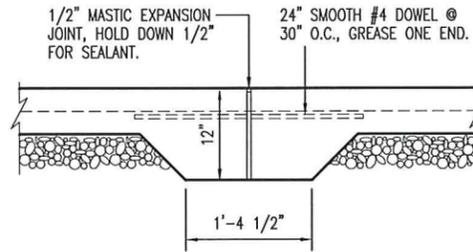
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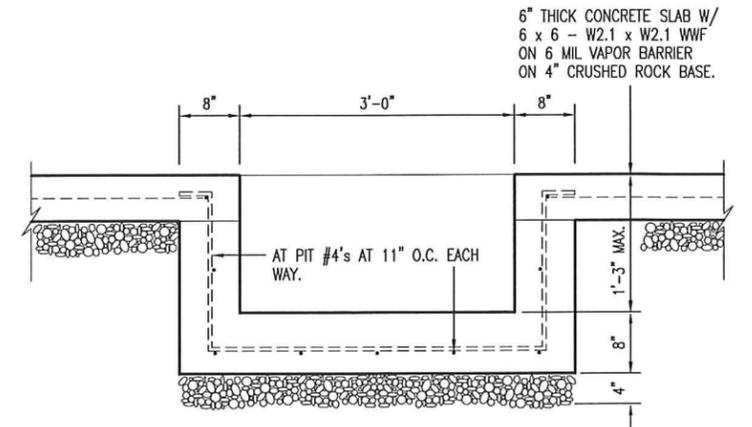




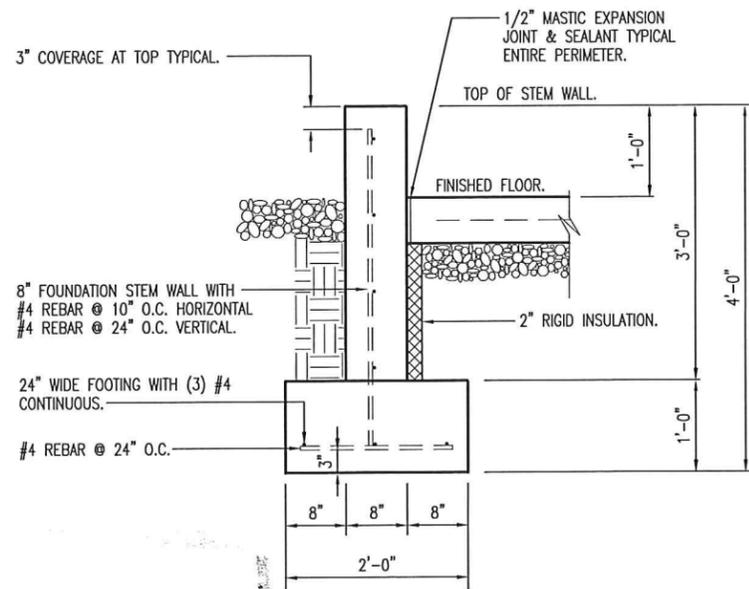
**E**  
6 BOLLARD @ FOOTING DETAIL  
SCALE: 1/2" = 1'-0"



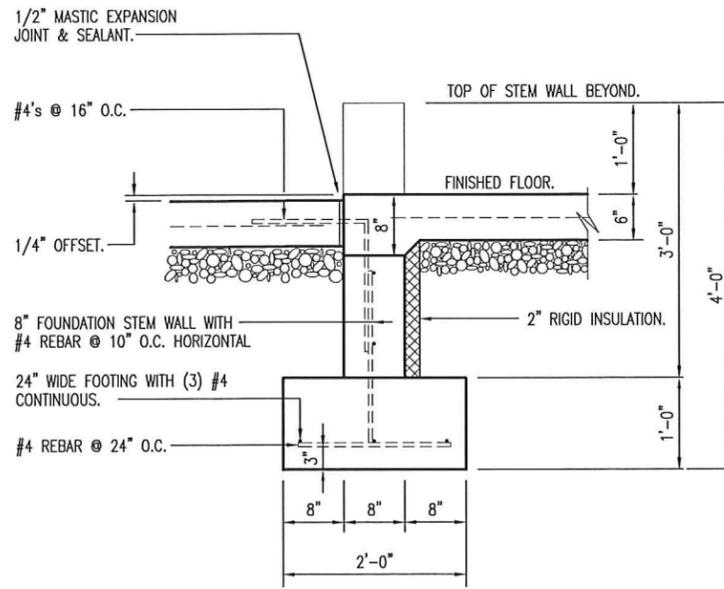
**F**  
6 EXPANSION JOINT  
SCALE: 1/2" = 1'-0"



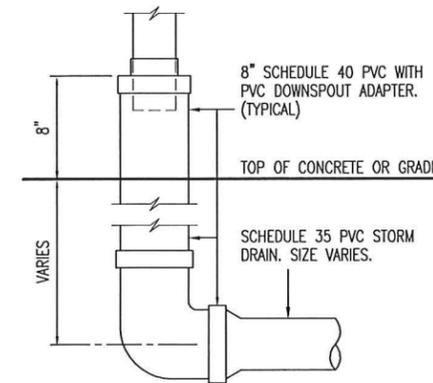
**G**  
6 PIT DETAIL  
SCALE: 1/2" = 1'-0"



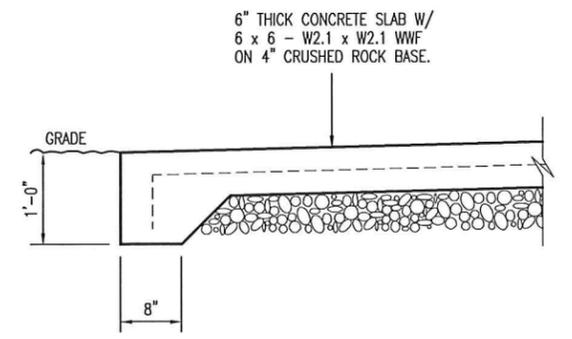
**A**  
6 STEM WALL  
SCALE: 1/2" = 1'-0"



**B**  
6 EXTERIOR STEM WALL @ DOOR  
SCALE: 1/2" = 1'-0"



**C**  
6 DOWNSPOUT ADAPTER  
SCALE: N.T.S.



**D**  
6 SIDEWALK SECTION  
SCALE: 1/2" = 1'-0"



FOUNDATION DETAILS

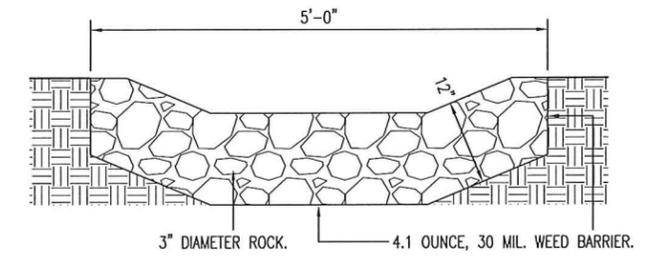
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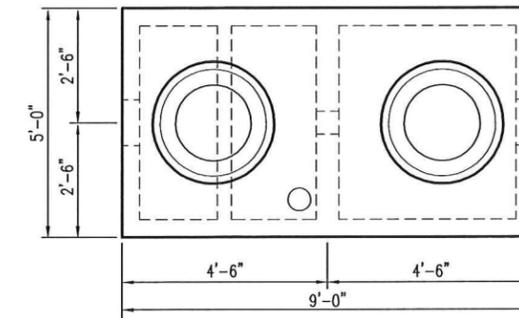
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## CONCRETE NOTES

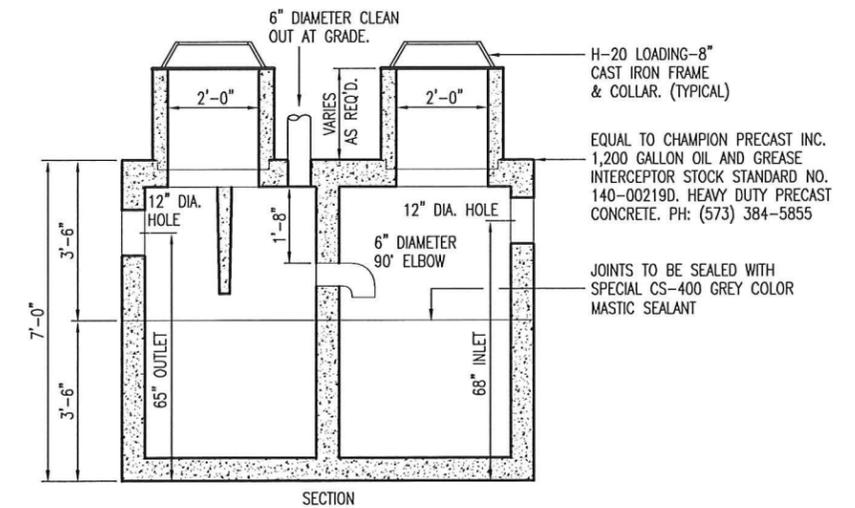
- CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
- FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
- IF CONDITIONS REQUIRING ROCK EXCAVATION ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
- ALL CONCRETE SHALL BE TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS AND NOT TO EXCEED 4" SLUMP.
- FOUNDATION PIERS AND FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL AND 36 INCHES MINIMUM BELOW FINISH GRADE.
- DEFORMED STEEL REINFORCING BARS SHALL BE: #4 AND LARGER ASTM A615 GRADE 60.
- SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.
- CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 6% +/- 2%.
- PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
- EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.
- 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.
- ENTIRE PERIMETER OF BUILDING TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.
- SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.
- ALL EXPOSED INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03346.
- COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.
- PROVIDE PRECAST TRENCH DRAIN & CATCH BASIN AS SPECIFIED. INSTALL AS RECOMMENDED BY THE MANUFACTURER. ACTUAL CONSTRUCTION AND INSTALLATION MAY REQUIRE SOME FIELD MODIFICATIONS. ANY DEVIATION FROM THE DRAWINGS AND SPECIFICATIONS SHALL HAVE PRIOR APPROVAL FROM THE ARCHITECT OR BUILDING INSPECTOR.



**C**  
7  
RIP - RAP SECTION  
SCALE: 1/2" = 1'-0"



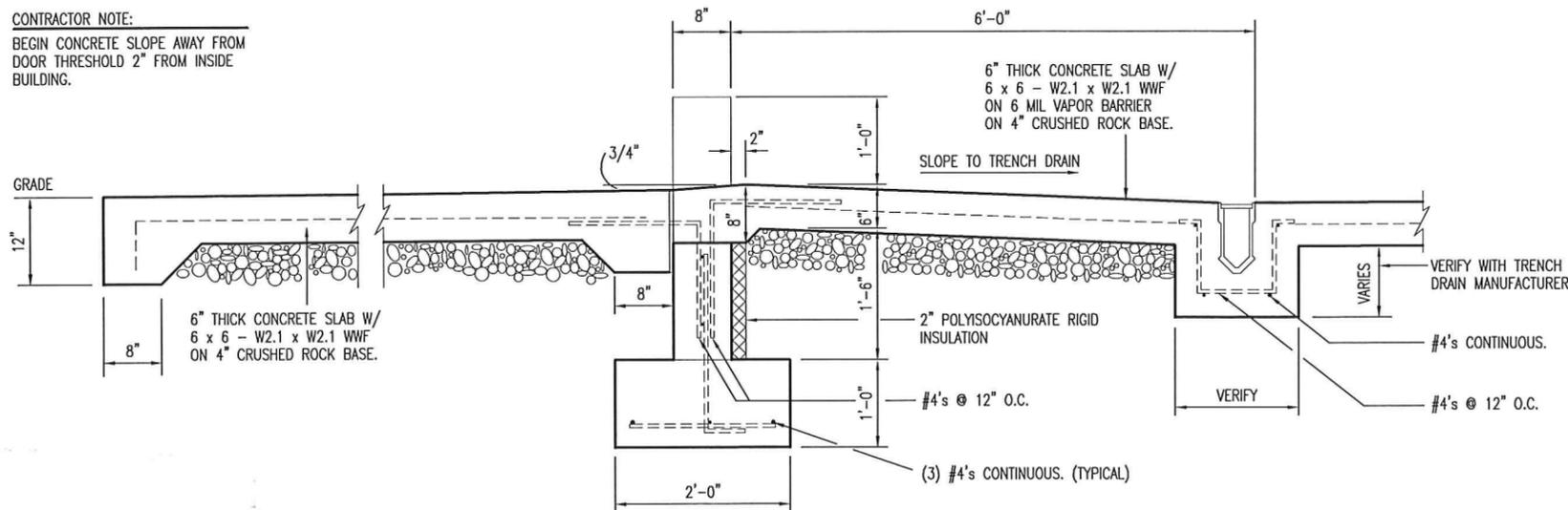
PLAN VIEW



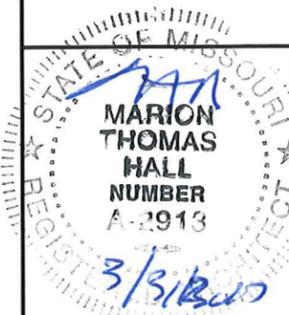
**B**  
7  
1,200 GALLON  
OIL SEPARATOR  
SCALE: 1/4" = 1'-0"

### CONTRACTOR NOTE:

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



**A**  
7  
TRENCH DRAIN WITH  
APPROACH APRON  
SCALE: 1/2" = 1'-0"



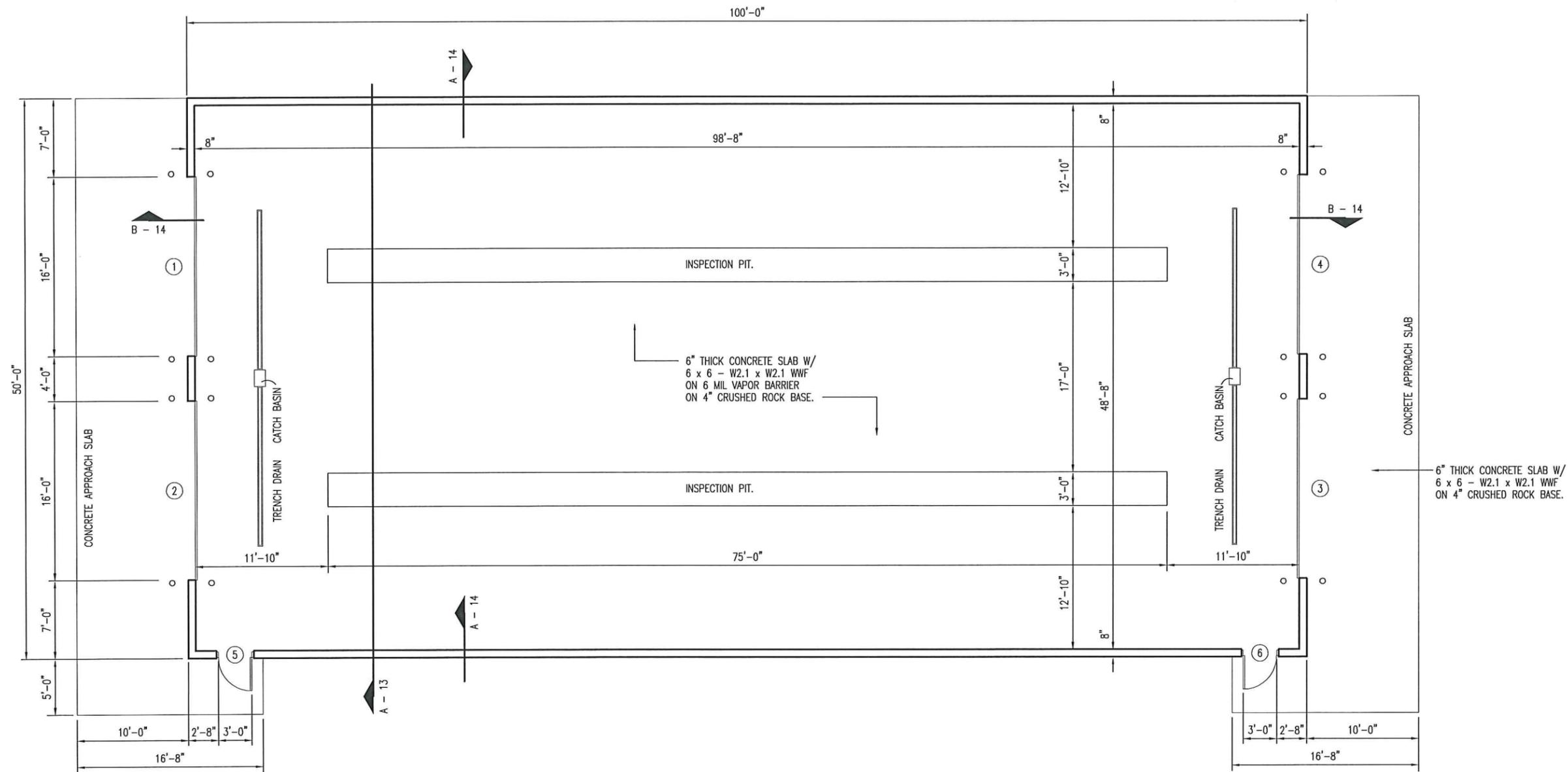
## FOUNDATION DETAILS

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
124181, I-29 South, 64496

DESIGN BY: LARRY CARVER  
DATE: 3-31-17

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



FLOOR PLAN

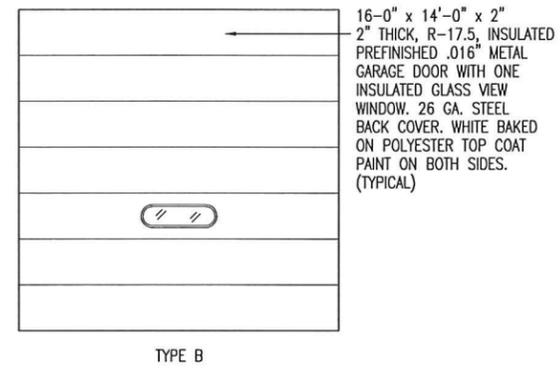
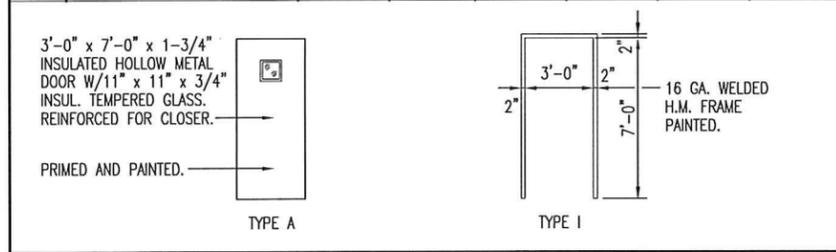
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DOOR SCHEDULE							
NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	DEPTH	HDWR. GRP.
1	16'-0" x 14'-0" x 2"	-	B	-	A & B-12	-	-
2	16'-0" x 14'-0" x 2"	-	B	-	A & B-12	-	-
3	16'-0" x 14'-0" x 2"	-	B	-	A & B-12	-	-
4	16'-0" x 14'-0" x 2"	-	B	-	A & B-12	-	-
5	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	C-12	6-1/2"	1
6	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	C-12	6-1/2"	1



### PLUMBING NOTES

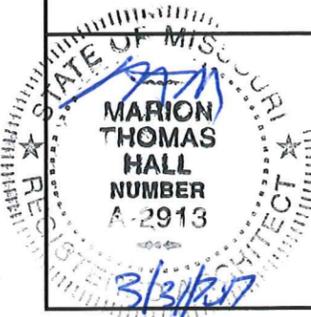
- DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
- PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE INTERNATIONAL PLUMBING CODE.
- PLUMBING SHALL BE LOCATED AND PLACED UNDER THE SLAB PRIOR TO POURING OF CONCRETE. PIPING SHALL BE RUN IN SAND FILLED TRENCH UNDER THE BASE ROCK AND SLEEVED WITH PVC WHENEVER RUN THROUGH CONCRETE.
- PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
- PLUMBING VENTS ARE NOT SHOWN ON THE PLANS. ALL FIXTURES SHALL BE PROPERLY VENTED AS PER IBC PLUMBING CODE.
- SEE MECHANICAL PLAN FOR GAS PIPING AND MECHANICAL REQUIREMENTS.

### GENERAL NOTES:

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

HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
A	50' LONG INFRARED TUBE HEATER	SUNSTAR SPS 100-50 OR EQUAL	100,000	LP GAS	115	HEAVY DUTY CAST IRON BURNER. DIRECT SPARK IGNITION. OUTSIDE COMBUSTION AIR INTAKE. SIDEWALL VENTING. 4" VENT CAP #30297040 FOR ONE TUBE HEATER VENTED THROUGH NORTH WALL & 6" VENT #30297060 FOR COMBINING TWO TUBE HEATERS VENTING THROUGH NORTH WALL. PROVIDE CHAIN KIT #41690350.
B	36" X 36" SHUTTER MOUNT EXHAUST FAN W/WEATHERHOOD	DAYTON 1HLB6 & 1WBW2 OR EQUAL 6.4 AMPS	6,480 CFM	ELECTRIC	120	COMMERCIAL TYPE BELT DRIVE WALL EXHAUST FAN INCLUDING OSHA GUARD AND SHUTTER.
C	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.
T	NIGHT SETBACK THERMOSTAT	SUNSTAR 43240500 OR EQUAL	--	--	--	5/2 DAY PROGRAMMING, LIQUID CRYSTAL DISPLAY. TEMPERATURE RANGE 45'-90'.

PLUMBING SCHEDULE						
SYM.	FIXTURE	PIPE CONNECTION				REMARKS
		CW	HW	S&W	VENT	
CO	CLEAN OUT					INTERIOR APPLICATIONS: BRASS WITH ADAPTER AND CAP EQUAL TO PIPE SIZE SHOWN. EXTERIOR APPLICATIONS USE PVC.
TD	TRENCH DRAIN			4"		EQUAL TO ACO K100 CHANNEL SLOPE TRENCH DRAIN SYSTEM WITH TYPE 461Q DUCTILE QUICKLOC CAST IRON GRATE.
CB	CATCH BASIN			4"		EQUAL TO ACO K900 CATCH BASIN, WITH PLASTIC TRASH BUCKET WITH TYPE 461Q DUCTILE QUICKLOC CAST IRON GRATE FOR LID.
OS	OIL SEPARATOR			4"		EQUAL TO CHAMPION PRECAST INC. 1,200 GALLON OIL & GREASE INTERCEPTOR STOCK STANDARD NO. 140-00219D. HEAVY DUTY PRECAST CONCRETE. H-20 LOADING, 8" CAST IRON FRAME, LID AND COLLAR. PH: (573)384-5855.
YH	YARD HYDRANT	1"				EQUAL TO A PRIER P-260-03 ANTI-SIPHON, FREEZELESS YARD HYDRANT.
FD	FLOOR DRAIN			4"		EQUAL TO 12" JOSAM 37820 SERIES COATED CAST IRON DRAIN WITH TWO-PIECE DEEP BODY WITH DOUBLE DRAINAGE FLANGE, NON-PUNCTURING FLASHING FRAME, WEEPHOLES, BOTTOM OUTLET, SQUARE TOP, HEAVY-DUTY LOOSE GRATE & REMOVABLE SEDIMENT BUCKET.



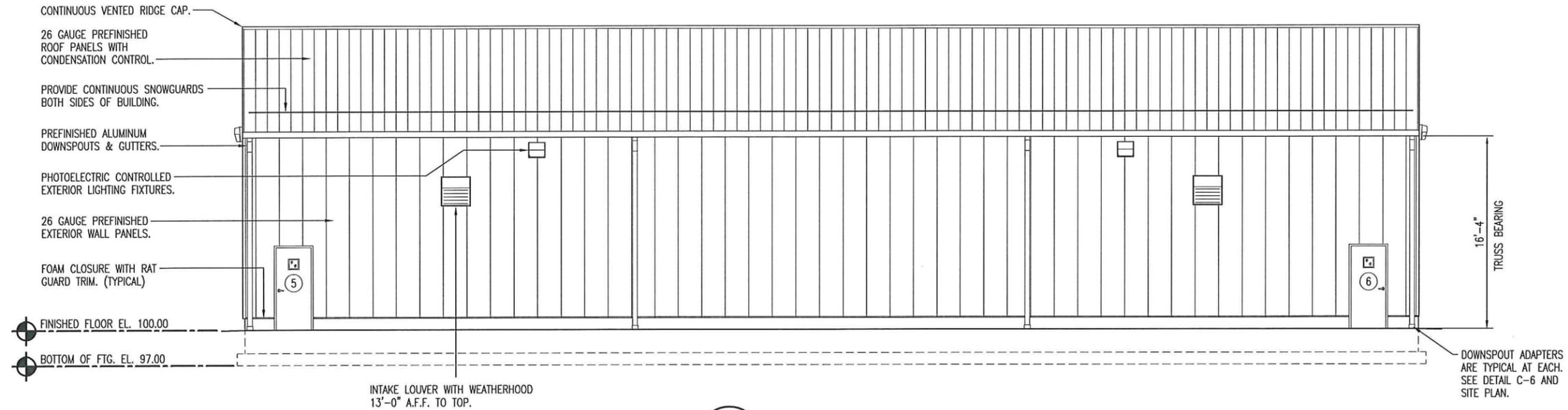
# SCHEDULES

MISSOURI DEPARTMENT  
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FACILITIES MANAGEMENT

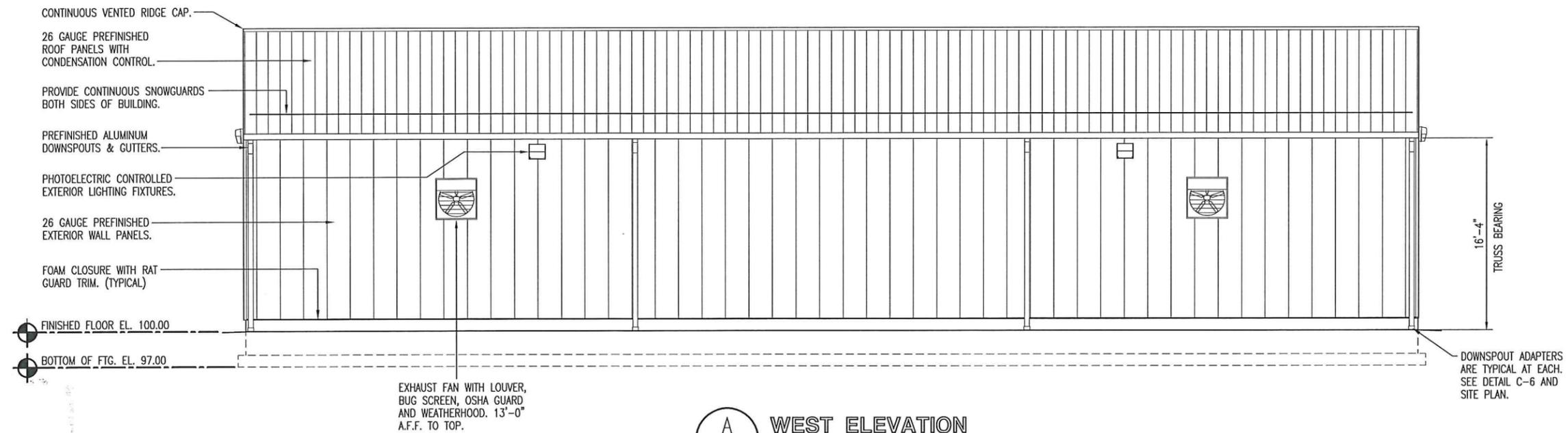
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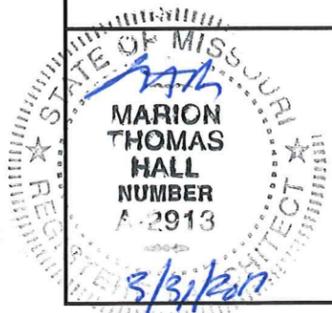
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**B**  
10 **EAST ELEVATION**  
SCALE: 3/32" = 1'-0"



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



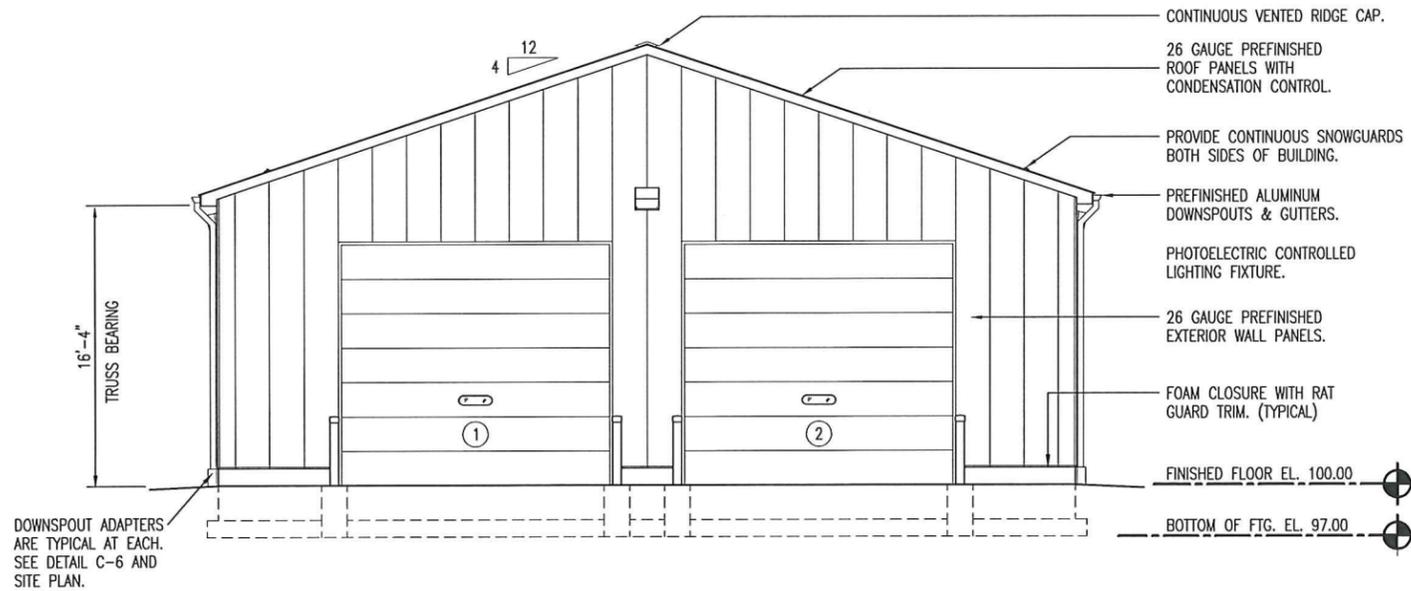
**EAST & WEST ELEVATIONS**

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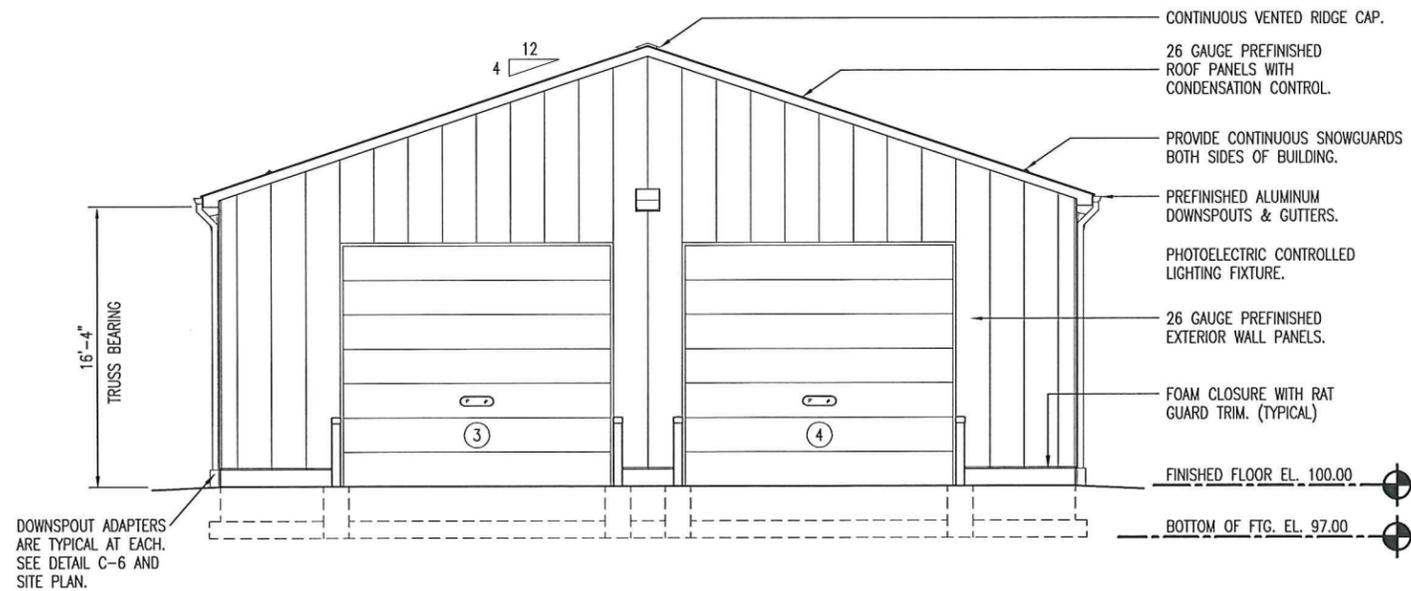
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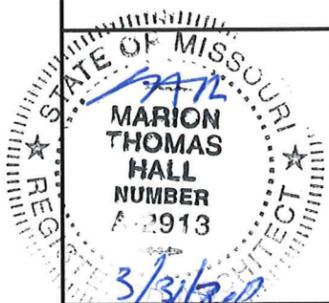
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**B SOUTH ELEVATION**  
 11 SCALE: 3/32" = 1'-0"



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



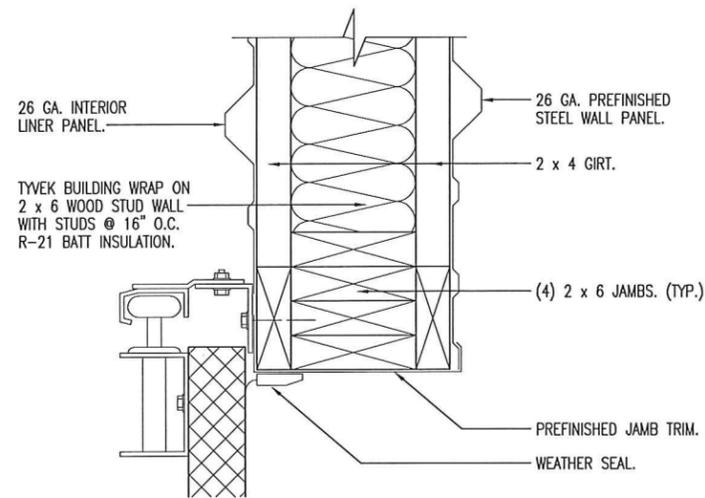
**NORTH & SOUTH ELEVATIONS**

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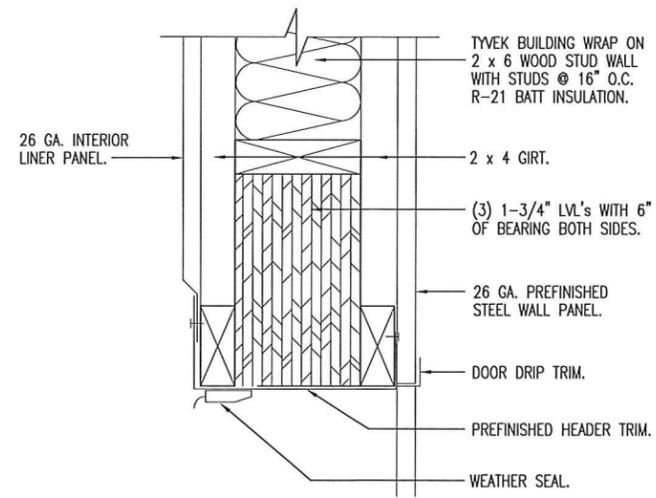
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 124181, I-29 South, 64496

DESIGN BY: LARRY CARVER  
 DATE: 3-31-17

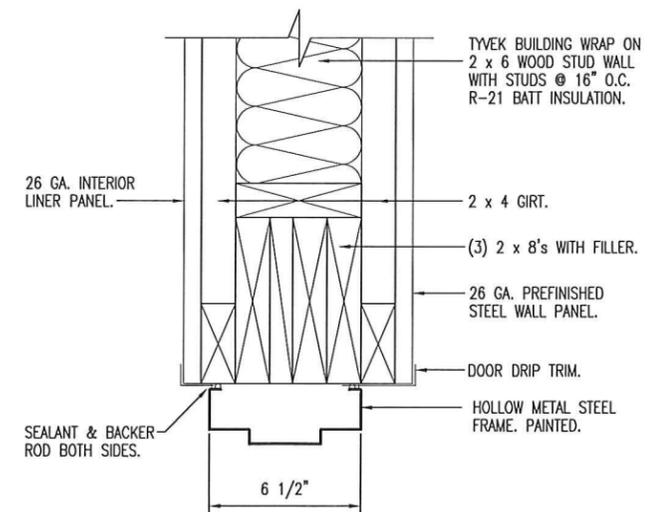
Sheet  
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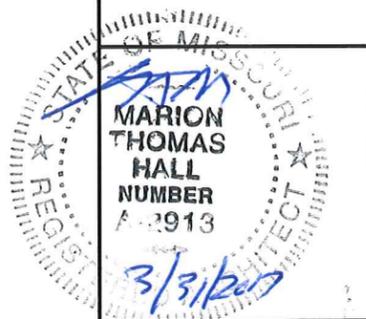
**A** GARAGE DOOR JAMB  
12 SCALE: 1-1/2" = 1'-0"



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



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



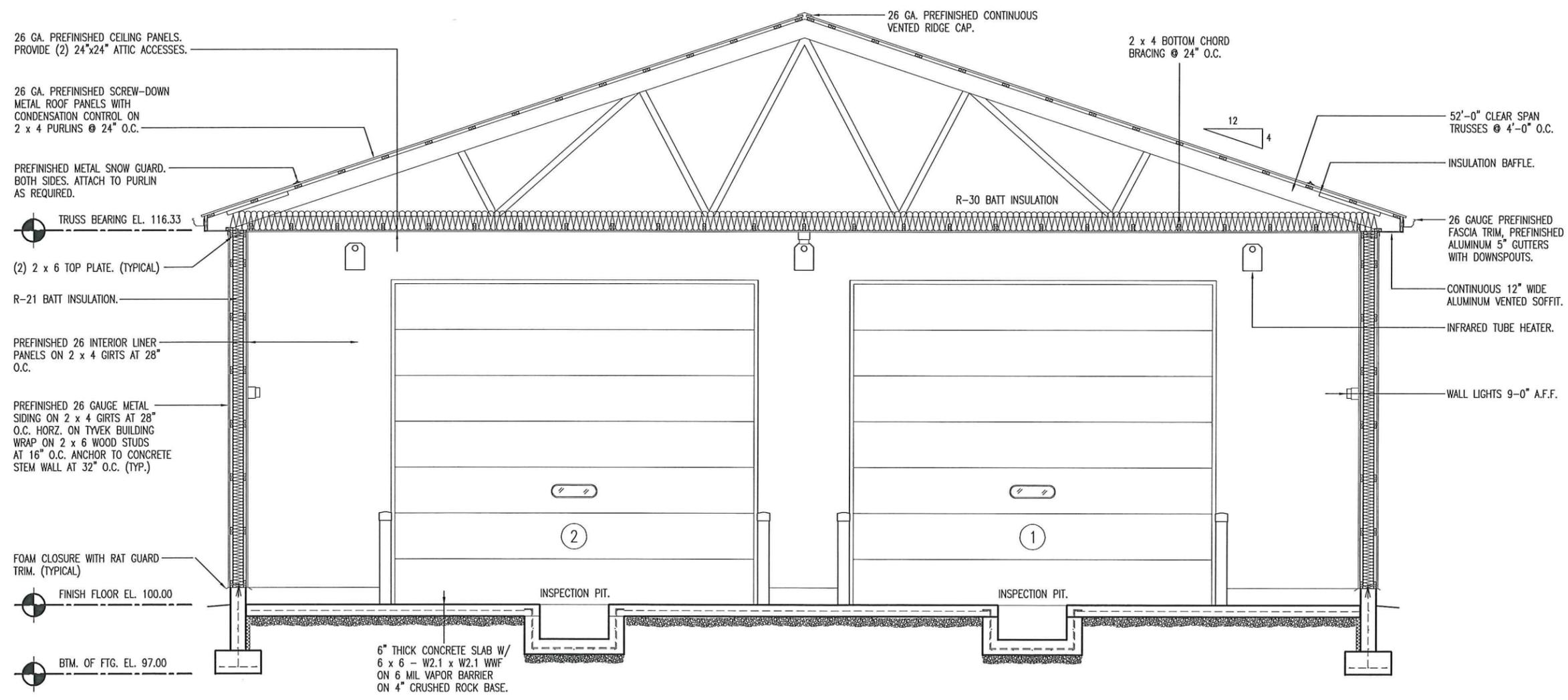
# HEAD & JAMB DETAILS

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OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

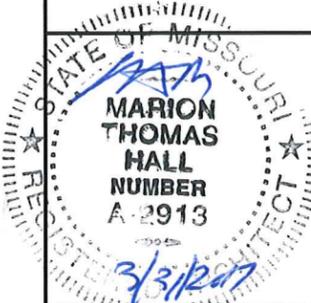
WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
124181, I-29 South, 64496

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DATE: 3-31-17

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A
13
**BUILDING SECTION**  
 SCALE: 3/16" = 1'-0"

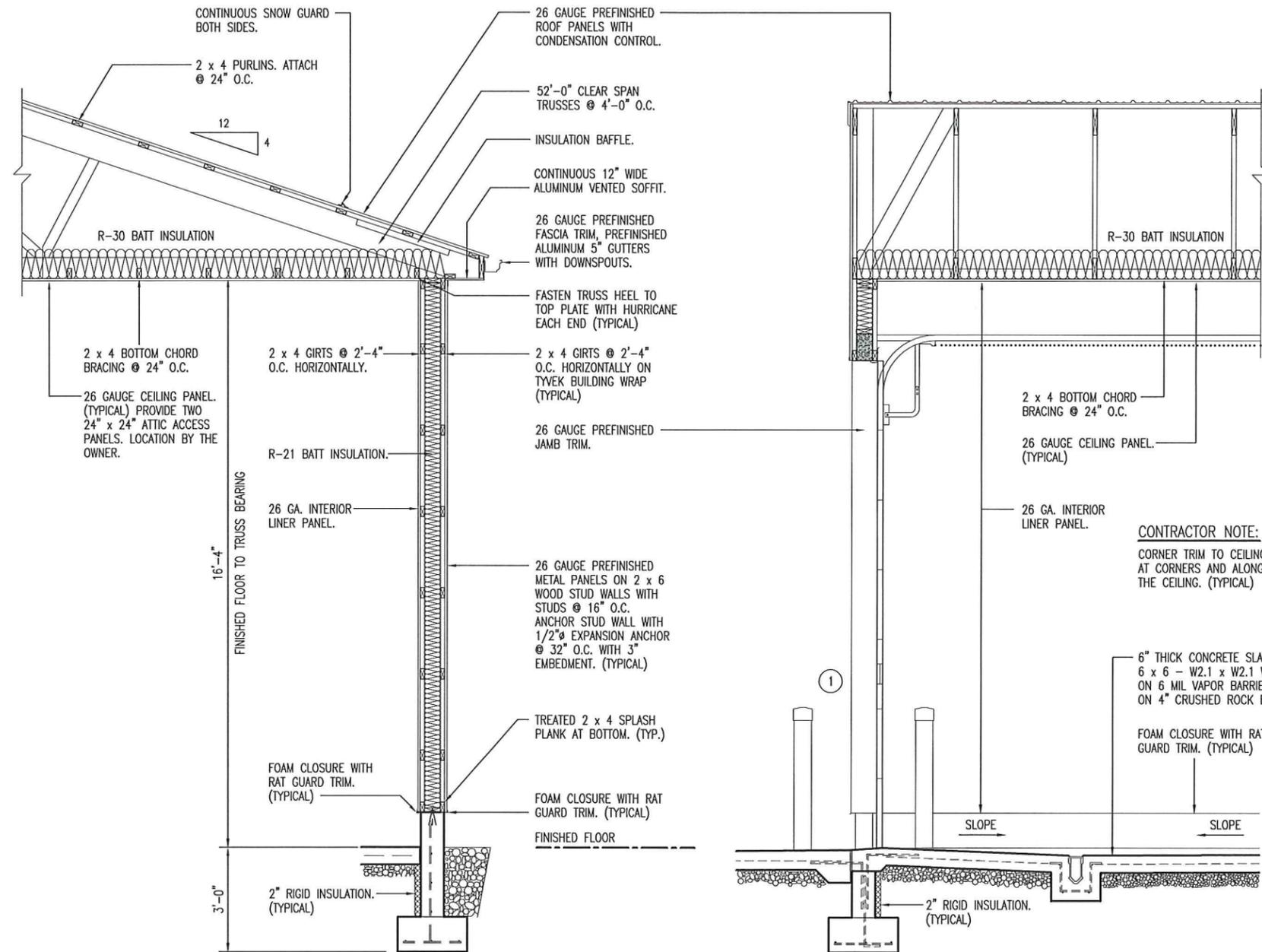


# BUILDING SECTION

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

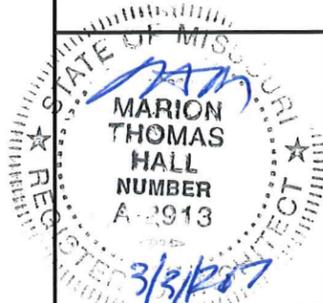
**WATSON TRUCK INSPECTION BUILDING**  
 Northwest District - Atchison County  
 124181, I-29 South, 64496

DESIGN BY: LARRY CARVER  
 DATE: 3-31-17  
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**A** SIDEWALL SECTION  
14 SCALE: 1/4" = 1'-0"

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



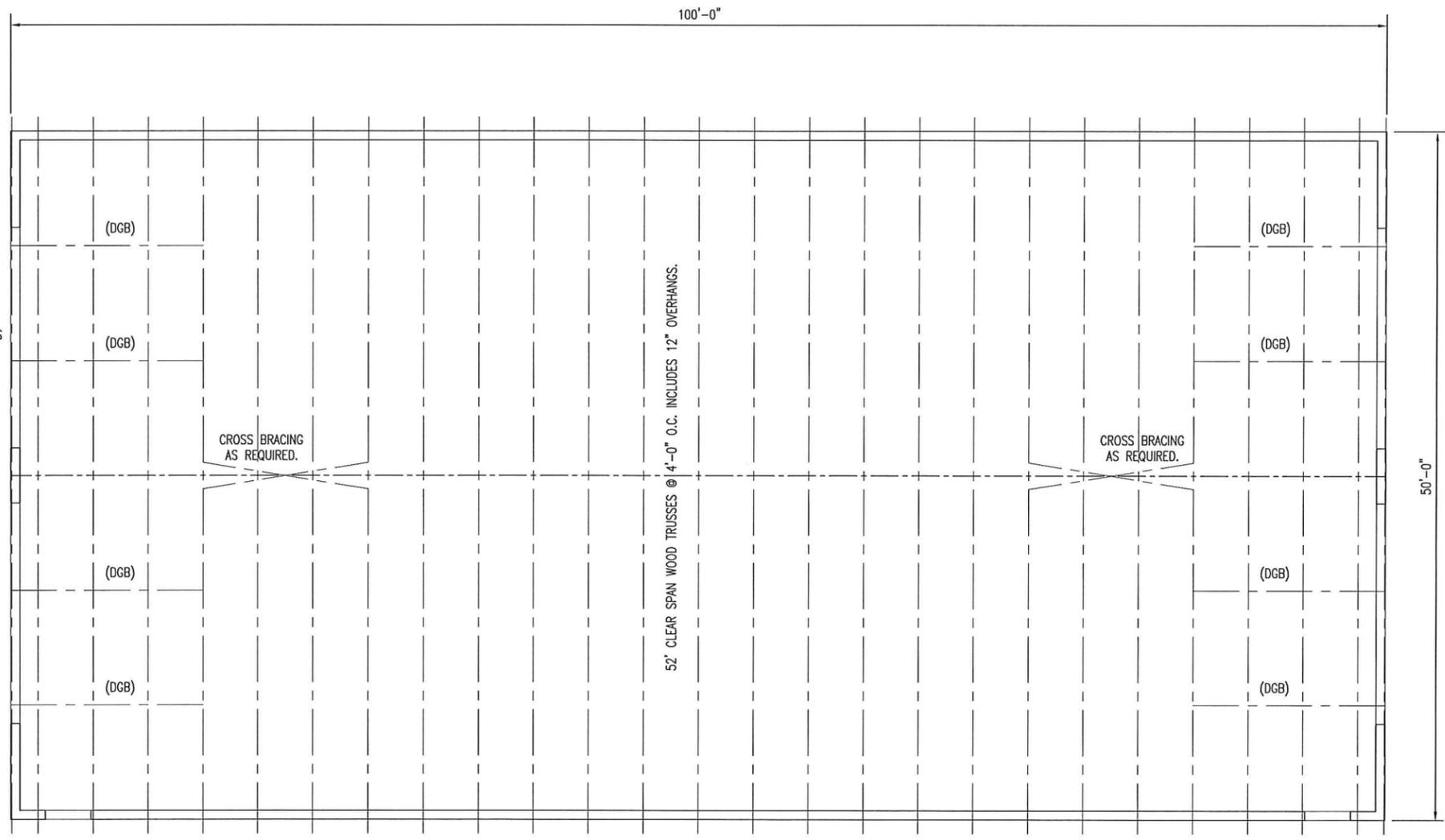
# WALL SECTIONS

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
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FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
Northwest District - Atchison County  
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SEE HEAD & JAMB DETAILS OF WINDOW AND DOOR HEADERS.

(DGB) DIAGONAL GABLE BRACING AS REQUIRED.

SEE HEAD & JAMB DETAILS OF WINDOW AND DOOR HEADERS.

CROSS BRACING AS REQUIRED.

52' CLEAR SPAN WOOD TRUSSES @ 4'-0" O.C. INCLUDES 12" OVERHANGS.

CROSS BRACING AS REQUIRED.

### ROOF FRAMING NOTES

DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

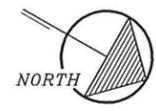
ROOF LIVE LOAD	25 PSF
ROOF DEAD LOAD	4 PSF
BOTTOM CORD DEAD LOAD	5 PSF
EARTHQUAKE	ZONE 1, LATEST EDITION IBC
WIND	90 MPH, EXPOSURE B
DEFLECTION	L/360
SPACING	48" O.C. MAXIMUM

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.

A  
15

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



# ROOF FRAMING PLAN

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

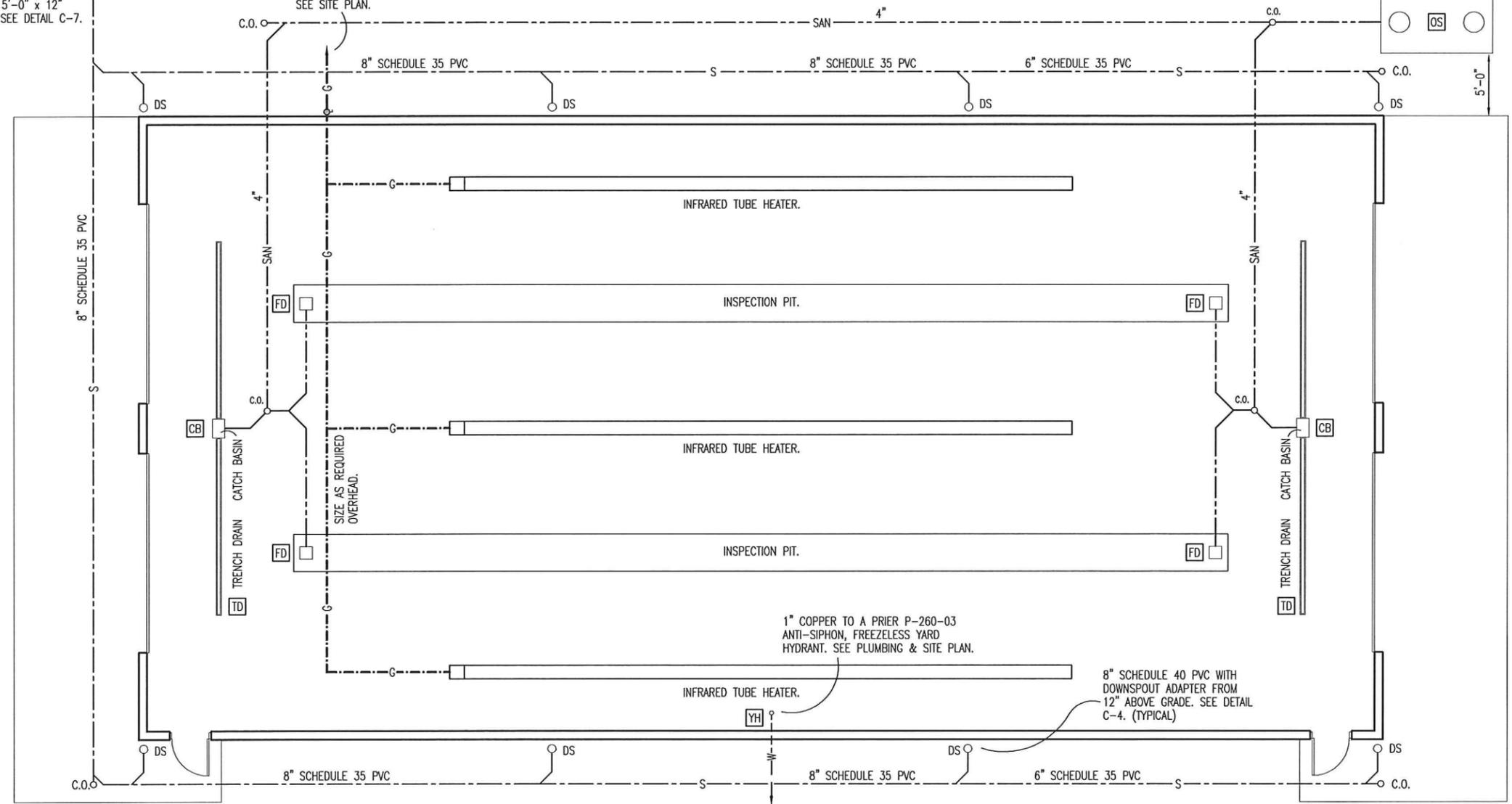
**WATSON TRUCK INSPECTION BUILDING**  
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 DATE: 3-31-17  
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12" SCHEDULE 35 PVC  
TO DAYLIGHT. SEE SITE PLAN.  
CONTRACTOR TO PROVIDE  
15'-0" LONG x 5'-0" x 12"  
DEEP RIP-RAP. SEE DETAIL C-7.

CONNECT TO MODOT PROVIDED 1000  
GALLON LP TANK IN YARD. 4" CONCRETE  
PAD SIZED AND INSTALLED BY GENERAL  
CONTRACTOR 25'-0" FROM BUILDING.  
SEE SITE PLAN.

1,200 GALLON  
OIL SEPARATOR  
SEE DETAIL B-7.



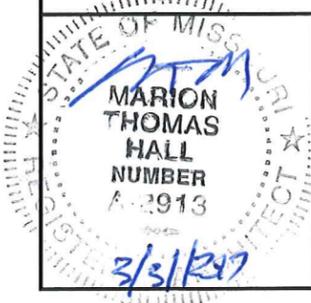
**A**  
16  
**PLUMBING PLAN**  
SCALE: 3/32" = 1'-0"



**LEGEND**

WATER	---	W	---
SANITARY SEWER	---	SAN	---
PROPANE GAS	---	G	---
STORM SEWER	---	S	---
CLEANOUT	C.O.		

SEE SHEET 7 FOR PLUMBING  
SCHEDULES & NOTES.



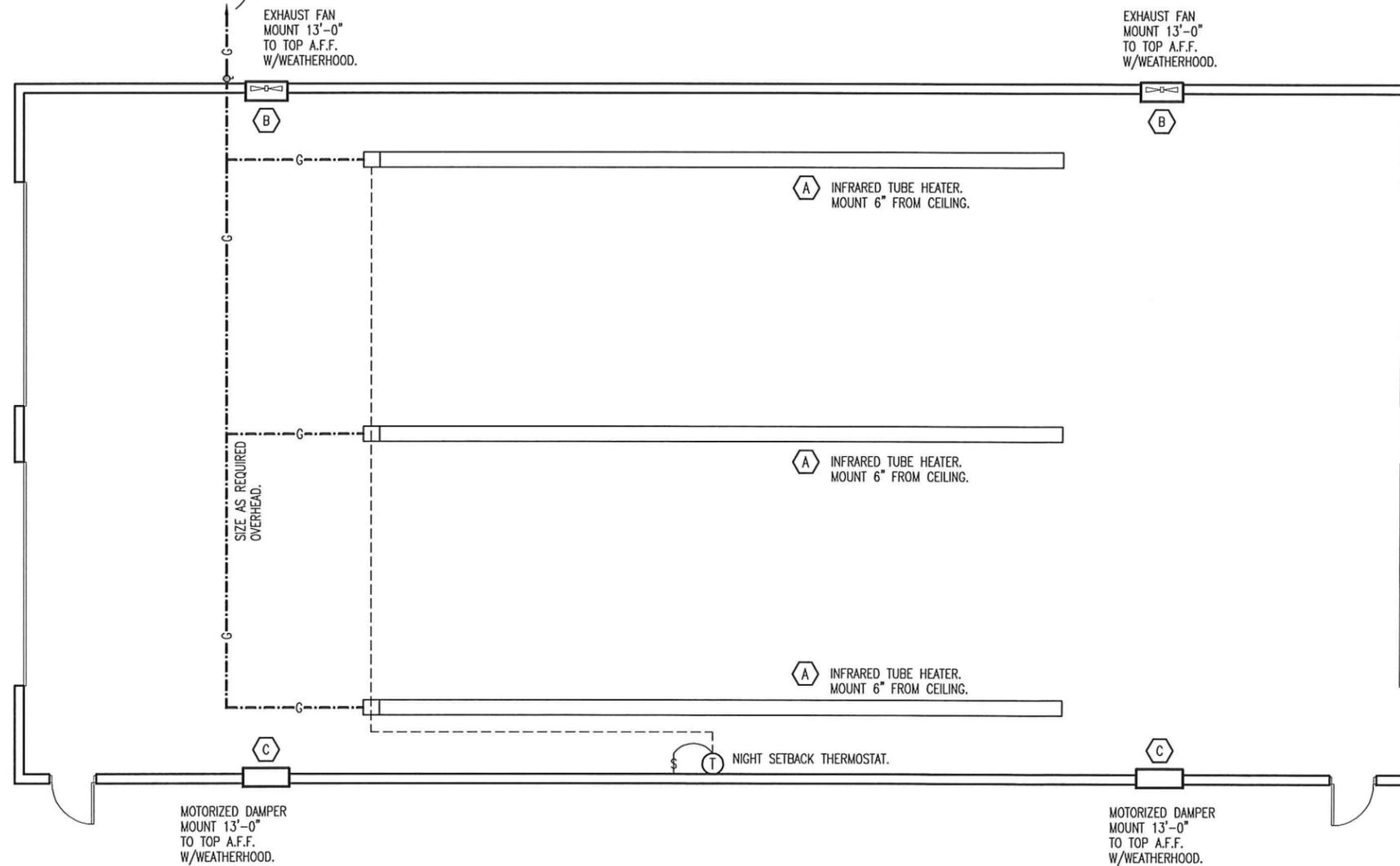
**PLUMBING PLAN**

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
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FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
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CONNECT TO MODOT PROVIDED 1000 GALLON LP TANK IN YARD. 4" CONCRETE PAD SIZED AND INSTALLED BY GENERAL CONTRACTOR 25'-0" FROM BUILDING. SEE SITE PLAN.



### 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. CONTRACTOR WORK WILL BEGIN FROM EXISTING PROPANE TANK WITH GAS LINE TO INFRARED TUBE HEATER. SIZE AS REQUIRED FOR A FUNCTIONAL SYSTEM.

**A**  
17 **MECHANICAL PLAN**  
SCALE: 3/32" = 1'-0"



SEE SHEET 9 FOR HVAC  
FIXTURE SCHEDULE.

STATE OF MISSOURI  
REGISTERED ARCHITECT  
MARION THOMAS  
HALL  
NUMBER  
A-2913  
3/3/2017

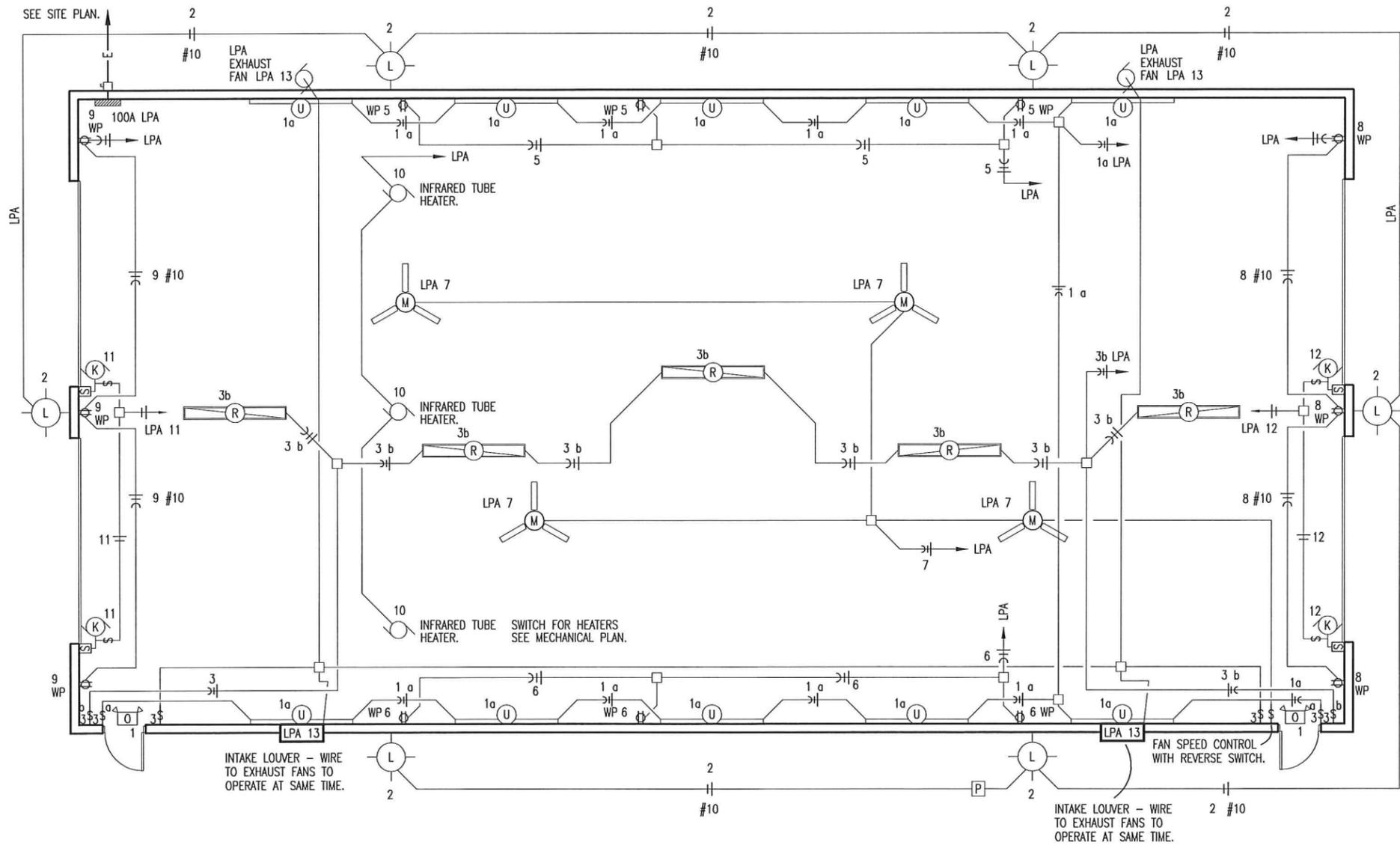
# MECHANICAL PLAN

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
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FACILITIES MANAGEMENT

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



SEE ELECTRICAL SCHEDULE  
 & LEGEND SHEET 19.



**ELECTRICAL PLAN**

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

WATSON TRUCK INSPECTION BUILDING  
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### ELECTRIC SCHEDULE

MANUF.	MODEL	#	LAMPS TYPE	W	MNT	REMARKS
(K)	OVERHEAD DOOR OPERATOR				WALL	115V, 1-PH, JACKSHAFT TYPE. SEE SPECIFICATION SECTION 08720.
LITHONIA	TWR1LED 1 40K MVOLT		LED	33	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING. PRISMATIC GLASS LENS.
DAYTON	GRAINGER #5NPZ3				CLG	SINGLE-SPEED, 48" THREE-BLADE, HEAVY DUTY COMMERCIAL CEILING FAN. ADD SPEED CONTROL WITH REVERSE SWITCH. DAYTON #5NRA4.
LITHONIA	LHQM P W3 R N		LED		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	CLG	8-11/16" x 96" FIXTURE. HEAVY 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.
WILLIAMS	96-8-L62/830-HIAFR- WET/2-DRV-120		LED	73	WALL	FILLY GASKETED POLYCARBONATE TOGGLE LATCHES, FROSTED IMPACT-RESISTANT ACRYLIC LENS. MOUNT 9'-0" A.F.F. TO BOTTOM.

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: 100A 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 4833 VA B PHASE 6333 VA TOTAL 11166 VA 46 A		
CIR	SERVICE	VA	BKR		BKR	VA	SERVICE	CIR
1	WALL LIGHTS	742	20A1P	A	20A1P	198	EXTERIOR LIGHTING	2
3	CEILING LIGHTS	855	20A1P	B	20A1P	-	SPARE	4
5	RECEPTACLE	540	20A1P	A	20A1P	540	RECEPTACLES	6
7	CEILING FANS	312	20A1P	B	30A1P	540	RECEPTACLES	8
9	RECEPTACLES	540	20A1P	A	20A1P	648	INFRARED TUB HEATERS	10
11	GARAGE DOOR OPENERS	2313	30A1P	B	30A1P	2313	GARAGE DOOR OPENERS	12
13	EXHAUST FANS & LOUVERS	1625	20A1P	A				14
15				B				16
17				A				18
19				B				20

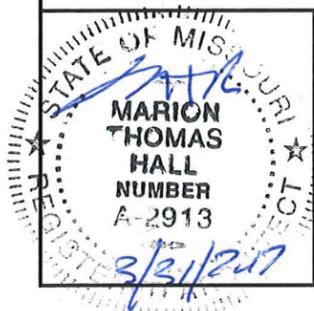
⊙ CIRCUIT BREAKER SHALL BE GFI RATED

### 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.
- SEE HVAC SCHEDULE FOR EQUIPMENT TO BE HARD WIRED, PROVIDE SERVICE DISCONNECT AT EACH.
- ALL RECEPTACLES INSIDE 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 DISCONNECT AS REQUIRED AT EXTERIOR OF BUILDING.
- PROVIDE BLOCKING FOR ELECTRICAL DEVICES AS REQUIRED FOR A SECURE APPLICATION.
- WALL SWITCH FOR TUBE HEATERS BY ELECTRICAL CONTRACTOR.

### LEGEND

- ⊕ WP DUPLEX RECEPTACLE MOUNTED IN FS BOX WITH HUBBELL HBL5221 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.
- 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.



## ELECTRICAL PANEL

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
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FACILITIES MANAGEMENT

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