

INDEX OF DRAWINGS

- 1 - 15 COVER SHEET
- 2 - 15 SITE PLAN
- 3 - 15 FOUNDATION / FLOOR PLAN
- 4 - 15 FOUNDATION DETAILS
- 5 - 15 FOUNDATION DETAILS
- 6 - 15 SCHEDULES
- 7 - 15 EAST & WEST ELEVATIONS
- 8 - 15 NORTH & SOUTH ELEVATIONS
- 9 - 15 BUILDING SECTION
- 10 - 15 BUILDING SECTION
- 11 - 15 DETAILS
- 12 - 15 DETAILS
- 13 - 15 MECHANICAL PLAN
- 14 - 15 ELECTRICAL PLAN
- 15 - 15 ELECTRICAL PANEL & SCHEDULES

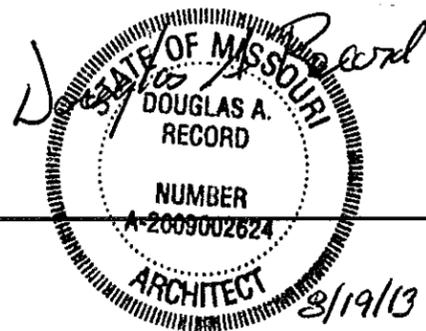
MISSOURI DEPARTMENT
OF TRANSPORTATION

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT
TARKIO, MISSOURI

Route 136, 1 Mile East of Tarkio
Atchison County

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC
PLUMBING CODE - CURRENT IBC
MECHANICAL CODE - CURRENT IBC
ELECTRICAL CODE - CURRENT IBC

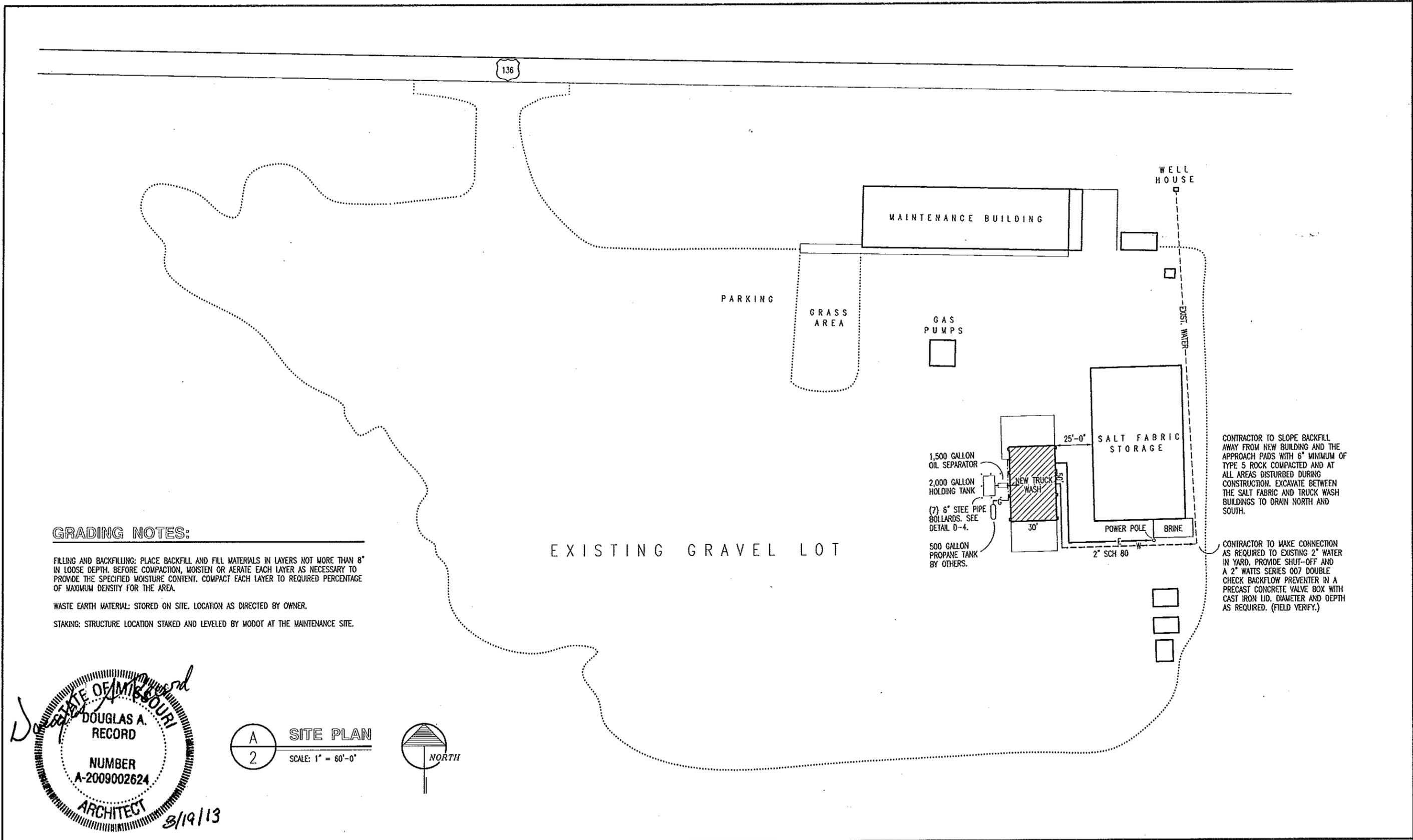


8/19/13 COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 5-17-13
Sheet
1 of 15



GRADING NOTES:

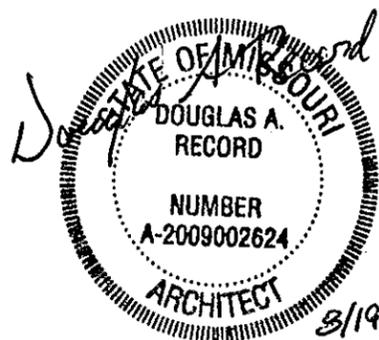
FILLING AND BACKFILLING: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH. BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE THE SPECIFIED MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DENSITY FOR THE AREA.

WASTE EARTH MATERIAL: STORED ON SITE. LOCATION AS DIRECTED BY OWNER.

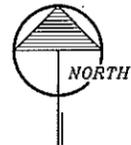
STAKING: STRUCTURE LOCATION STAKED AND LEVELED BY MODOT AT THE MAINTENANCE SITE.

CONTRACTOR TO SLOPE BACKFILL AWAY FROM NEW BUILDING AND THE APPROACH PADS WITH 6" MINIMUM OF TYPE 5 ROCK COMPACTED AND AT ALL AREAS DISTURBED DURING CONSTRUCTION. EXCAVATE BETWEEN THE SALT FABRIC AND TRUCK WASH BUILDINGS TO DRAIN NORTH AND SOUTH.

CONTRACTOR TO MAKE CONNECTION AS REQUIRED TO EXISTING 2" WATER IN YARD. PROVIDE SHUT-OFF AND A 2" WATTS SERIES 007 DOUBLE CHECK BACKFLOW PREVENTER IN A PRECAST CONCRETE VALVE BOX WITH CAST IRON LID. DIAMETER AND DEPTH AS REQUIRED. (FIELD VERIFY.)



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

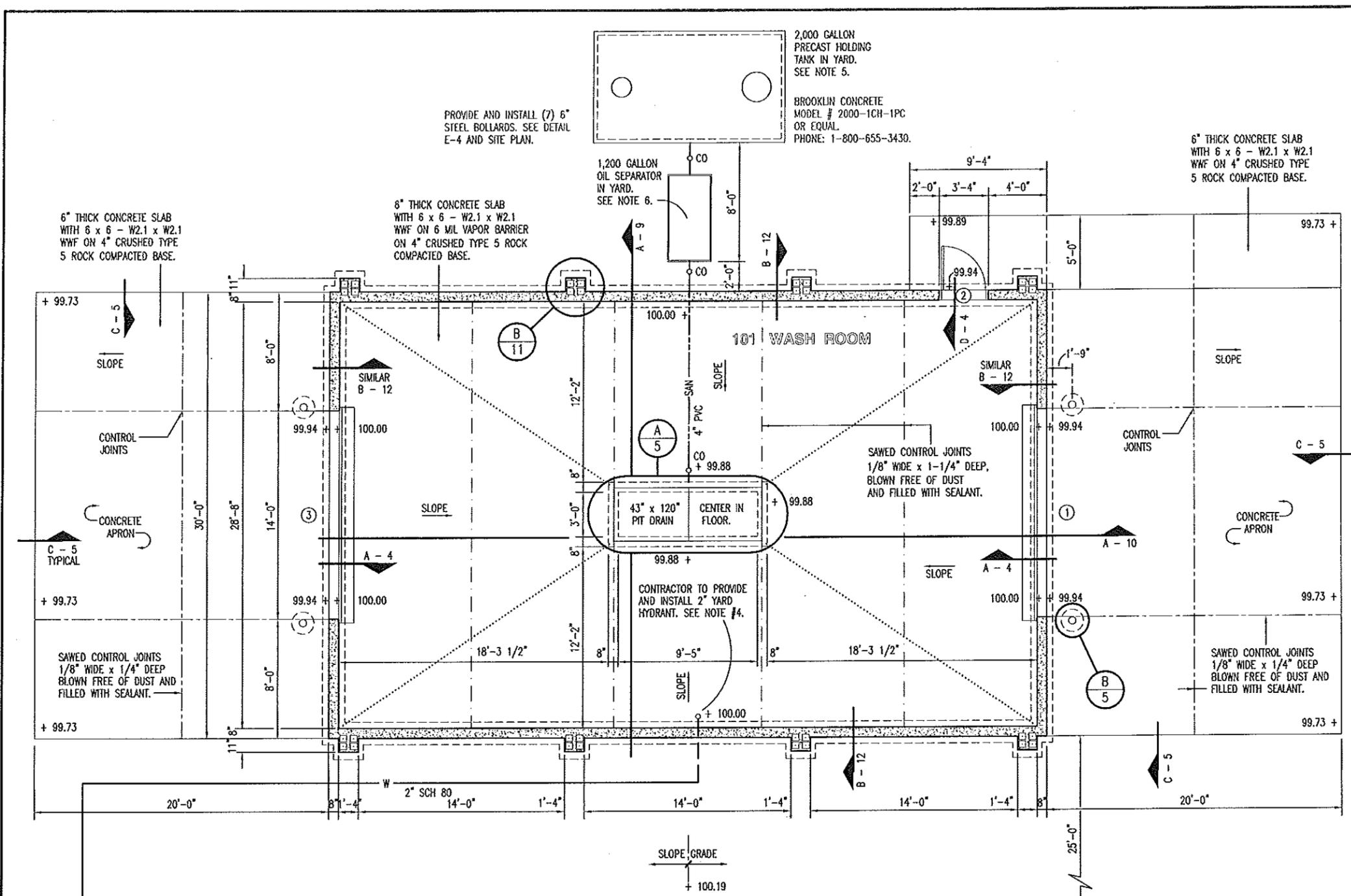


SITE PLAN

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

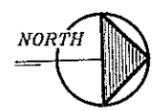
CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

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Sheet
2 of 15



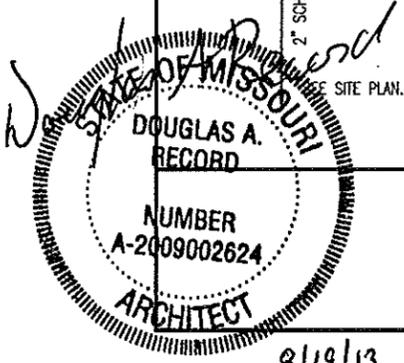
PLUMBING NOTES:

1. PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE IBC PLUMBING CODE.
2. 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.
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. 2" YARD HYDRANT: EQUAL TO #71 NATIONAL TYPE "A" COMPRESSION HYDRANT. ANTI-FREEZING AUTOMATIC DRAIN. ALL BRONZE WITH 2" VALVE OPENING & 10" WHEEL TOP. 36" BURY LENGTH.
5. HOLDING TANK TO HAVE H-20 TRAFFIC LOADING TOP, 16" DIAMETER TUFF-TITE RISER & 24" DIAMETER POLYLOK RISER WITH HEIGHTS AND VENTS AS REQUIRED. MEETS 4,500 PSI, CSA-B66 AND REINFORCING MEETS G30.14-M1983. DIMENSIONS: 156" L x 90" W x 58" D. BURY DEPTH AS REQUIRED.
6. EQUAL TO CHAMPION PRECAST INC. 1,200 GALLON OIL & GREASE INTERCEPTOR STOCK STANDARD NO. 140-00218D. HEAVY DUTY PRECAST CONCRETE. PH: (573)384-5855.



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

EXISTING SALT FABRIC STORAGE

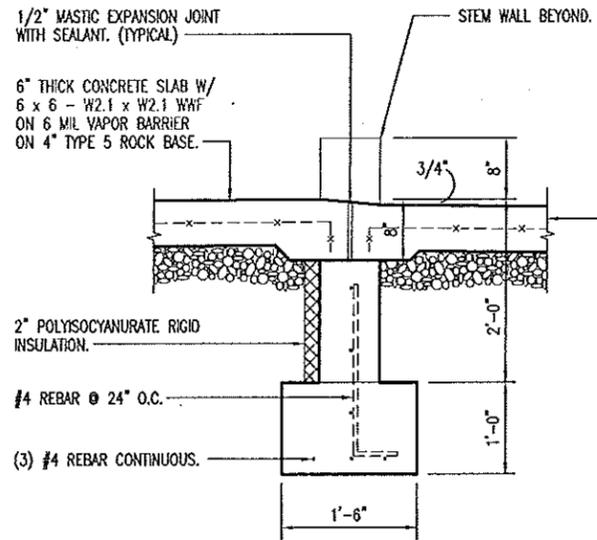


FOUNDATION FLOOR PLAN

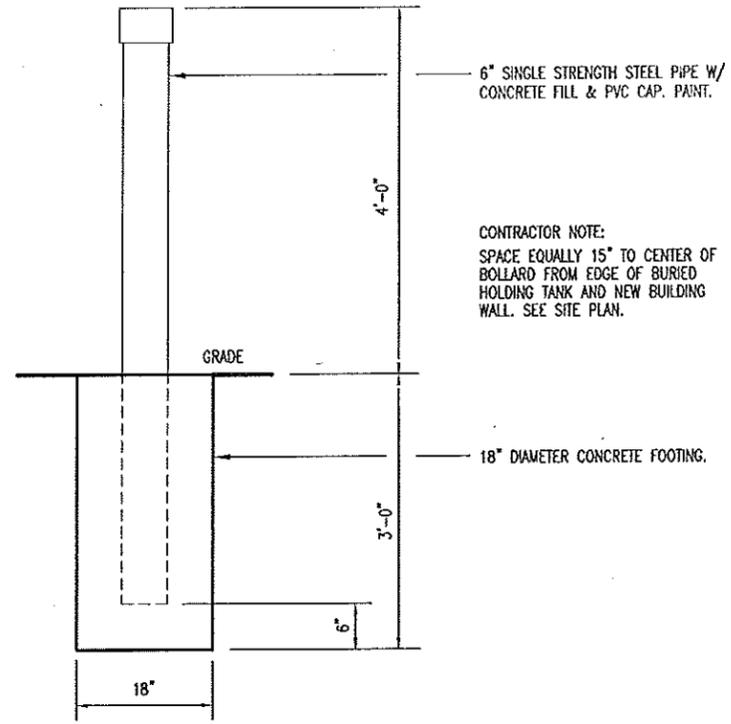
MISSOURI DEPARTMENT
OF TRANSPORTATION
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FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

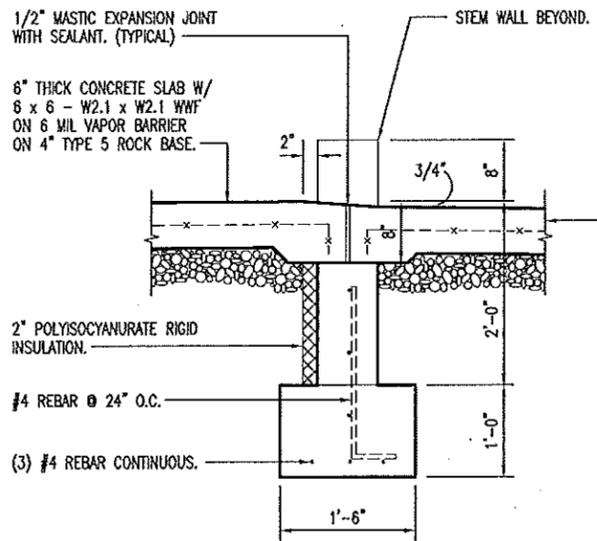
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Sheet
3 of 15



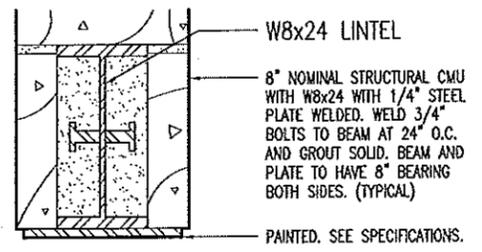
D
4
PASSAGE DOOR THRESHOLD
SCALE: 1/2" = 1'-0"



E
4
(7 REQUIRED)
BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



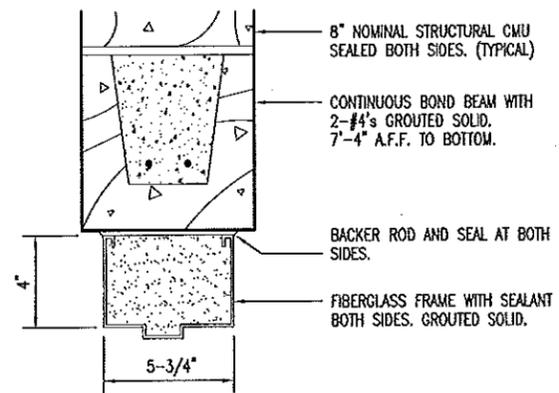
A
4
GARAGE DOOR THRESHOLD
SCALE: 1/2" = 1'-0"



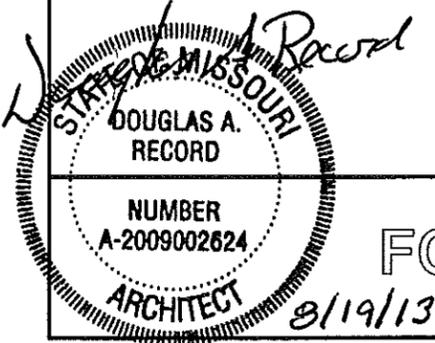
B
4
GARAGE DOOR HEAD
SCALE: 1-1/2" = 1'-0"

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 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. FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL AND 36" MINIMUM BELOW FINISH GRADE.
7. DEFORMED STEEL REINFORCING BARS SHALL BE #4 AND LARGER, ASTM A615 GRADE 60.
8. PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
9. EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.
10. 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.
11. ENTIRE PERIMETER OF BUILDING TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.
12. 1-1/2" DEEP SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH SEALANT. SEE SECTION 07900.
13. ALL EXPOSED INTERIOR CONCRETE FLOORS SHALL RECEIVE A CURING/SEALING FINISH PER SPECIFICATION SECTION 03346.
14. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.



C
4
FIBERGLASS DOOR HEAD/JAMB @ 2"
SCALE: 1-1/2" = 1'-0"

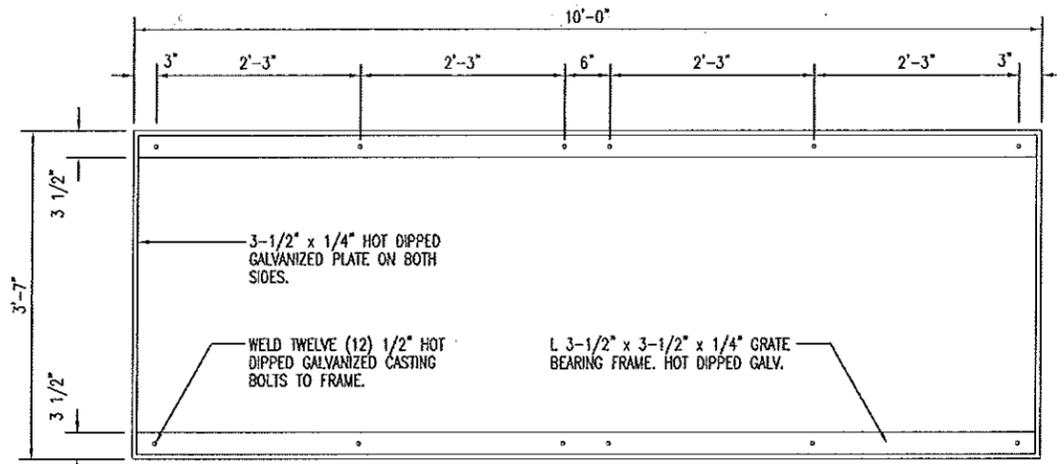


FOUNDATION DETAILS

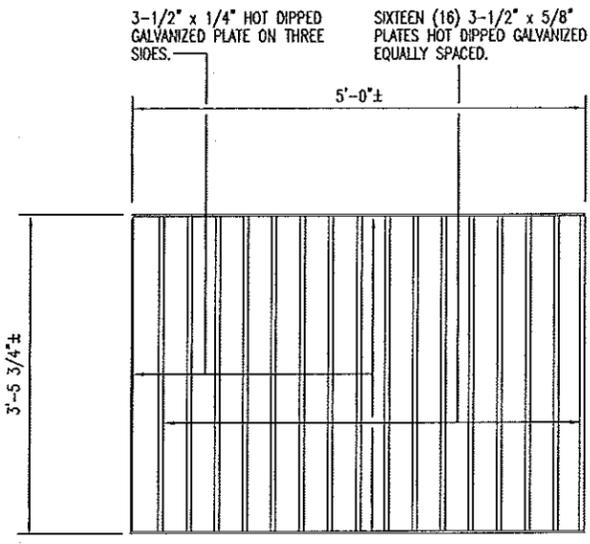
MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

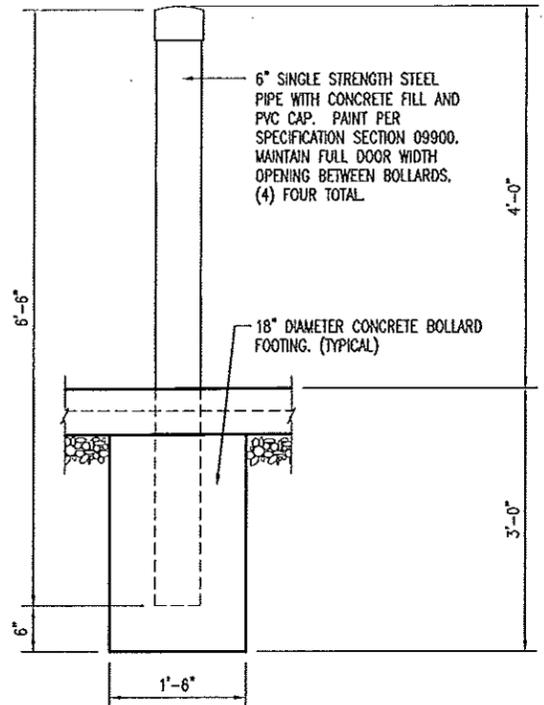
DESIGN BY: LARRY CARYER
DRAWN BY: LARRY CARYER
DATE: 5-17-13
Sheet
4 of 15



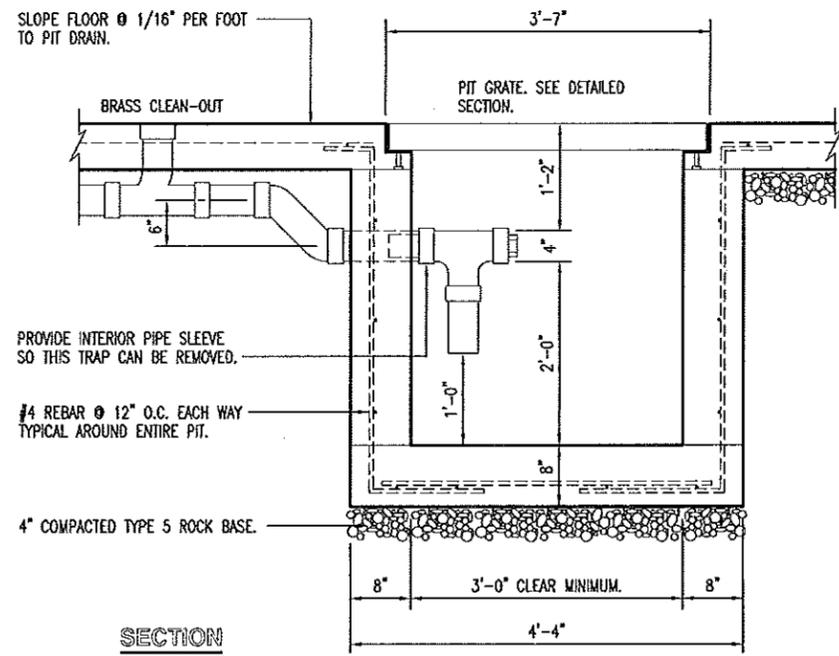
BEARING FRAME PLAN



PROVIDE TWO (2) GRATE PLAN

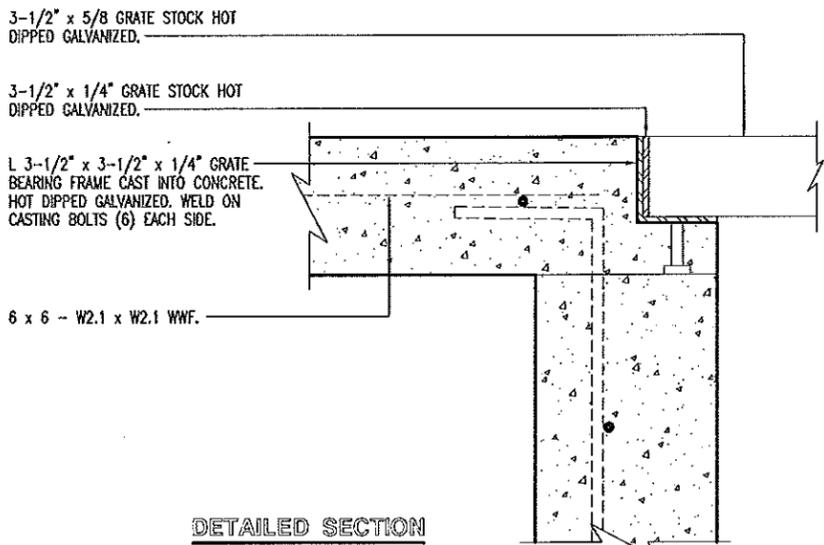


B
5 **BOLLARD @ PIER DETAIL**
SCALE: 1/2" = 1'-0"

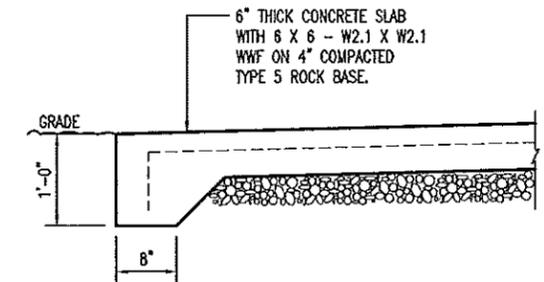


SECTION

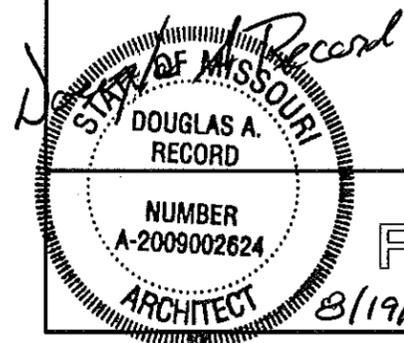
A
5 **PIT DRAIN**
SCALE: 1/2" = 1'-0"



DETAILED SECTION
SCALE: 1-1/2" = 1'-0"



C
5 **SLAB SECTION**
SCALE: 1/2" = 1'-0"



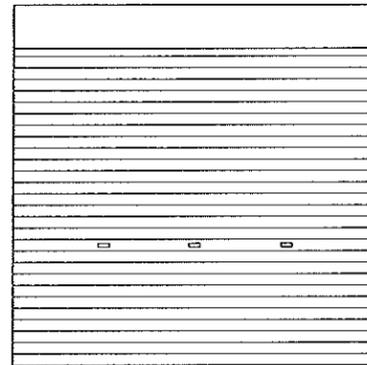
FOUNDATION DETAILS

MISSOURI DEPARTMENT
OF TRANSPORTATION
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FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

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DATE: 5-17-13
Sheet 5 of 15

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



COILING DOOR HOOD, MOTORIZED OPERATOR WITH A CHAIN HOIST. (PROVIDE CAR MODIFICATION KIT) PROVIDE GALVANIZED TRACK AND BIRD BRUSH.

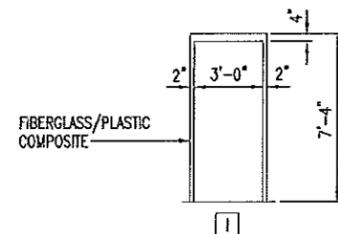
14'-0" x 14'-0" x 2" PREFINISHED INSULATED COILING GARAGE DOOR WITH (3) VIEW WINDOWS WHITE BAKED ON POLYESTER TOP COAT PAINT BOTH SIDES. (TYPICAL)

(A)



FIBERGLASS/PLASTIC COMPOSITE R-12 DOOR

(B)

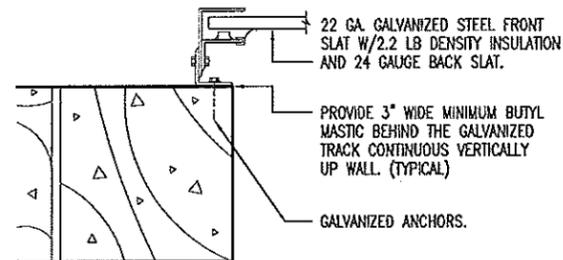


FIBERGLASS/PLASTIC COMPOSITE

(I)

HVAC SCHEDULE						
SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
(A)	GAS FIRED UNIT HEATER	REZNOR MODEL UDAS 150 OR EQUAL	124,500	PROPANE GAS	115	409 STAINLESS STEEL HEAT EXCHANGERS, TOTALLY ENCLOSED FAN MOTOR, HORIZONTAL COMBUSTION AIR/VENT KIT INCLUDING CONCENTRIC ADAPTER.
(B)	16" DIA. CORROSION RESISTANT SHUTTER FAN	DAYTON 1BLJ1 OSHA GUARD OR EQUAL	2,005 CFM	ELECTRIC	115	FIBERGLASS SHUTTER & BLADES. 2.1 AMPS.
(C)	MOTORIZED DAMPER WITH WEATHERHOOD	DAYTON MODEL 4C560 OR EQUAL 60 HERTZ	--	ELECTRIC	115	16" CENTER-PYOTING, MOTORIZED, GALV. STEEL DAMPER. WIRE TO OPEN WHEN THE EXHAUST FAN IS TURNED ON. HOOD EQUAL TO NATIONAL FAN CO. Ph: 1-877-389-3131 16" GALVANIZED WEATHER HOOD. MODEL# NFC-GH-XF16.
(T)	THERMOSTAT	AS REQUIRED.	--	--	--	AS RECOMMENDED BY THE GAS FIRED UNIT HEATER MANUFACTURER.

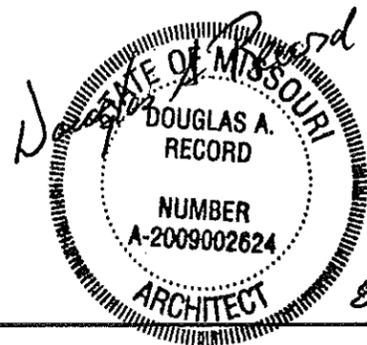
FINISH SCHEDULE				
NO.	ROOM	FLOOR	WALLS	CEILING
		CURE AND SEAL ON ON CONCRETE	SEALER ON CMU WALLS.	PREFINISHED 29 GAUGE STEEL CEILING PANELS.
101	WASH ROOM	•	•	•



(A)
6

COILING GARAGE DOOR JAMB

SCALE: 1-1/2" = 1'-0"



8/19/13

SCHEDULES

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
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CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

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DATE: 5-17-13
Sheet
6 of 15

PREFINISHED STEEL SNOW GUARD BOTH SIDES.

CONTINUOUS VENTED RIDGE CAP.

PREFINISHED 26 GAUGE SHEET METAL ROOFING OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 24" O.C. (TYPICAL)

CLOSED ENDS AT ROOF EDGE. RAT-GUARD. (TYPICAL)

TRUSS BEARING HEIGHT EL. 116.25'

8" STRUCTURAL CMU W/HORIZONTAL JOINT REINFORCING AT 24" O.C. CMU WALL TO BE SEALED ON ALL SIDES.

PREFINISHED 5" SEAMLESS ALUMINUM GUTTERS AND DOWNSPOUTS. SPLASHBLOCKS BELOW EACH. (TYP.)

EXPANSION JOINT WITH BACKER ROD AND SEALANT. EXPANSION JOINT (E.J.) VERTICALLY FLANKING 8" FROM OPENINGS. (TYPICAL)

PILASTER BLOCK WITH (4) #5's CONTINUOUS VERTICALLY, EQUALLY SPACED. GROUT SOLID. (TYPICAL)

6" SINGLE STRENGTH STEEL PIPE WITH CONCRETE FILL AND PVC CAP. PAINT PER SPECIFICATION SECTION 09900. MAINTAIN FULL GARAGE DOOR WIDTH OPENING BETWEEN BOLLARDS.

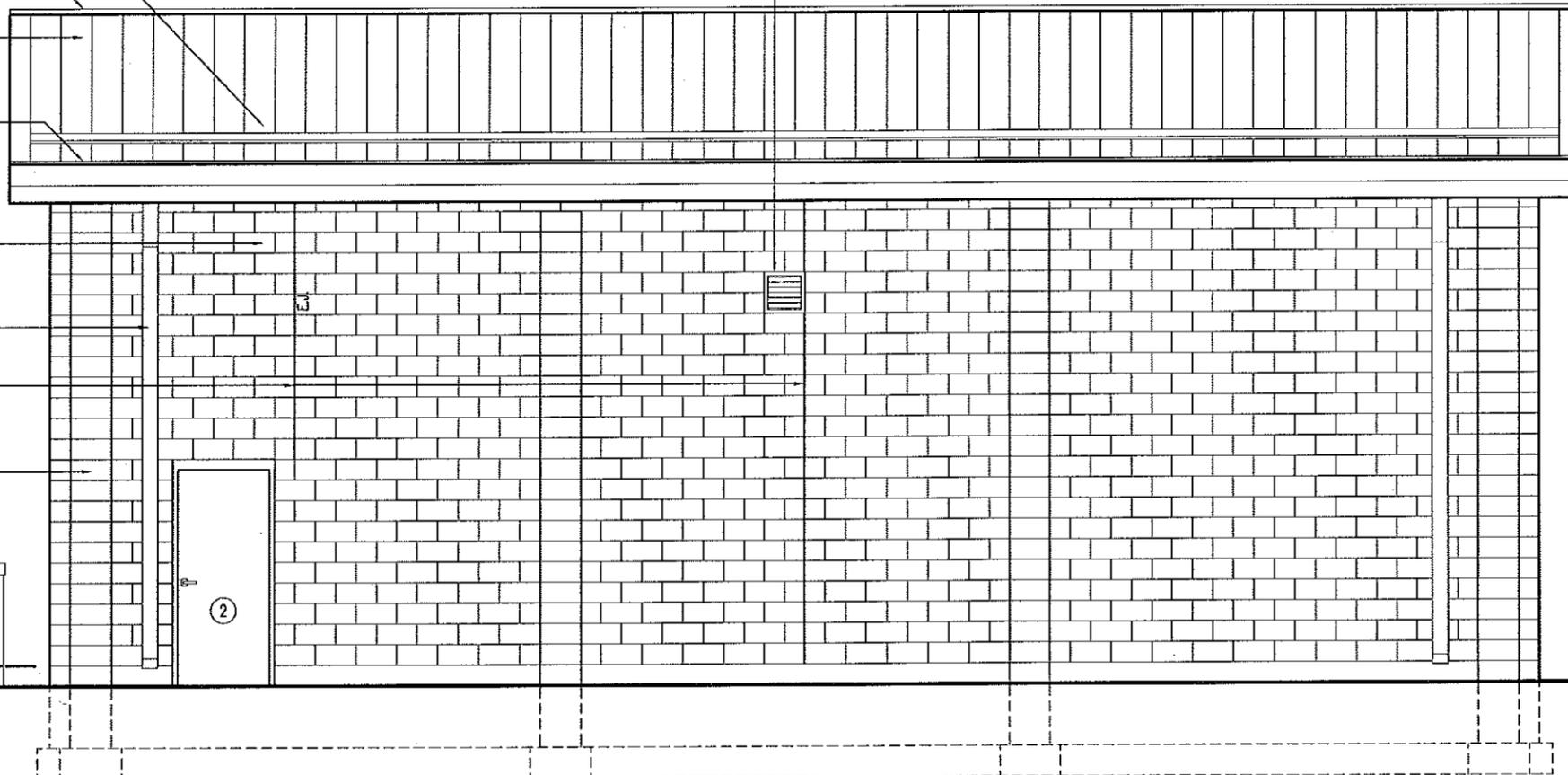
TOP OF CONCRETE STEM WALL EL. 100.67'

FINISHED FLOOR EL. 100.00'

BOTTOM OF FOOTING EL. 97.00'

PROVIDE AND INSTALL 16" DIAMETER CORROSION RESISTANT SHUTTER FAN WITHIN 16" x 16" x 8" STAINLESS STEEL WALL SLEEVE THAT HAS MITERED INSIDE CORNERS. (VERIFY WALL SLEEVE SIZE.)

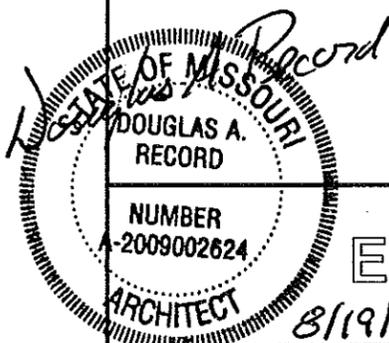
PROVIDE AND INSTALL MOTORIZED DAMPER WITH WEATHERHOOD IN STAINLESS STEEL WALL SLEEVE THAT HAS MITERED INSIDE CORNERS ON THE EAST ELEVATION. (VERIFY WALL SLEEVE SIZE.)



A
7

EAST ELEVATION SIMILAR
WEST ELEVATION

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

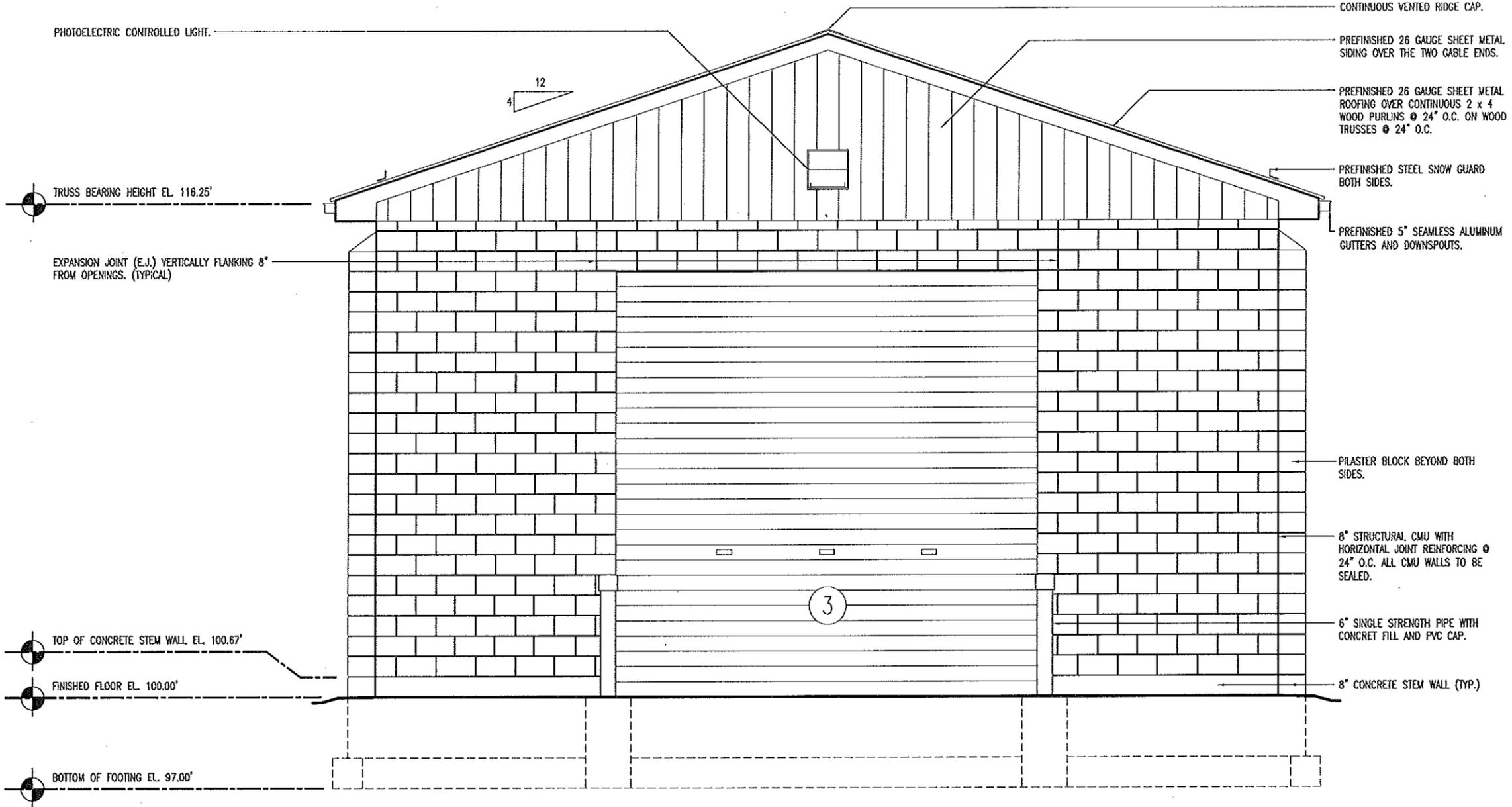


EAST & WEST ELEVATIONS

MISSOURI DEPARTMENT
OF TRANSPORTATION
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FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

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DATE: 5-17-13
Sheet
7 of 15



NORTH ELEVATION SIMILAR
SOUTH ELEVATION
 SCALE: 1/4" = 1'-0"

STATE OF MISSOURI
 DOUGLAS A. RECORD
 ARCHITECT
 NUMBER A-2009002624
 8/19/13

NORTH & SOUTH ELEVATIONS

MISSOURI DEPARTMENT
 OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

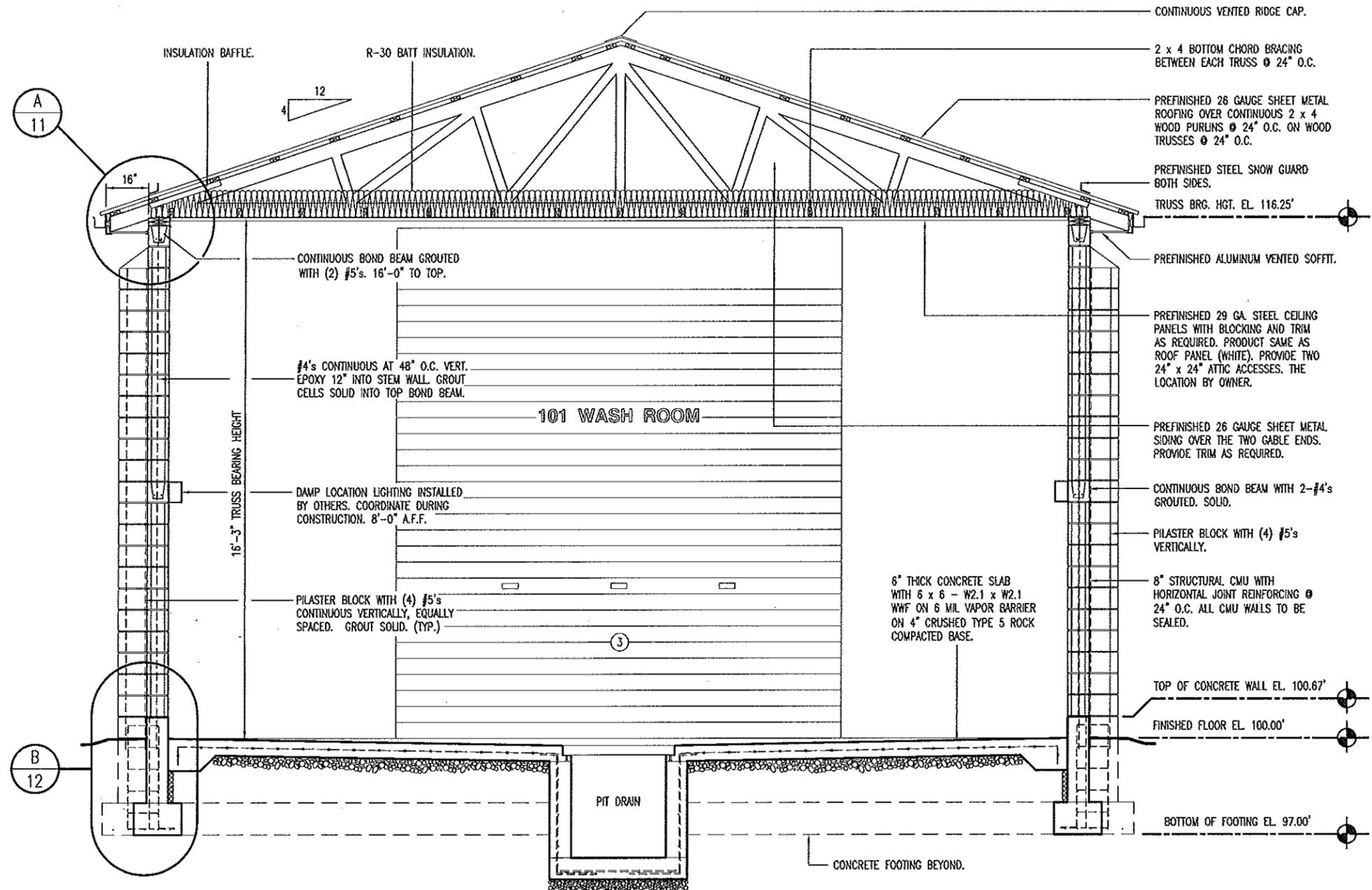
CONCRETE BLOCK TRUCK WASH
 NORTHWEST DISTRICT, TARKIO, MISSOURI

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 Sheet 8 of 15

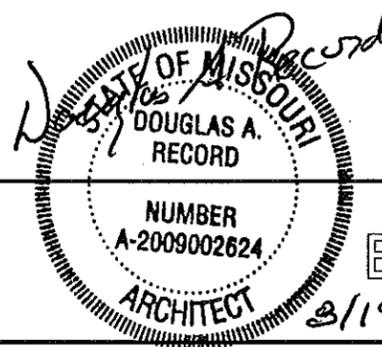
ENGINEERING DESIGN AND SHOP DRAWINGS:

1. PROFESSIONAL ENGINEER: ALL TRUSS DESIGNS SHALL BEAR THE NAME, SEAL, AND REGISTRATION NUMBER OF A LICENSED PROFESSIONAL ENGINEER.
2. TRUSS DESIGNS SHALL CONTAIN THE FOLLOWING DATA:
 - A. LOADING (UNIFORM)
 1. TOP CHORD
 - LIVE LOAD 20 PSF
 - DEAD LOAD 10 PSF
 - SNOW DRIFT - PER 2003 IBC
 2. BOTTOM CHORD
 - DEAD LOAD 5 PSF
 - TOTAL LOAD 35 PSF
 - B. METAL CONNECTORS - NOTE GAUGE SIZES OF CONNECTORS, NAME OF MANUFACTURER, AND CAPACITY OF EACH CONNECTION.
 - C. LUMBER SPECIFICATIONS
 - D. PITCH, SPAN, AND SPACING OF TRUSSES
 - E. DESIGN LOADINGS AND ALLOWABLE UNIT STRESS INCREASE, IF ANY
 - F. FORCE ANALYSIS OF BAR FORCES IN EACH MEMBER
 - G. SIZE AND LOCATION OF ALL CONNECTOR PLATES
 - H. TRUSS SUPPORTS
 - I. CAMBER, IF ANY
 - J. PERMANENT BRACING
 - K. HANDLING AND ERECTION INSTRUCTIONS
 - L. SPECIFY TRUSS TIES FOR SECURE APPLICATION TO SUBSTRATE DUE TO UPLIFT.
3. FIVE COPIES OF EACH TRUSS DESIGN AND/OR SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO THE FABRICATION OF ANY COMPONENTS.
4. STRUCTURAL ENGINEERS REVIEW OF DRAWINGS PREPARED BY THE CONTRACTORS, SUPPLIERS, ETC., ARE ONLY FOR CONFORMANCE WITH DESIGN CONCEPT. CONSTRUCTION SHALL NOT START WITHOUT SAID REVIEW.

- DESIGN CRITERIA:**
1. BUILDING CODE: CURRENT IBC
 2. SEISMIC AV = 0.125; AA = 0.13
 3. BASIC WIND SPEED 90 MPH, EXPOSURE C
 4. PITCH 4:12



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

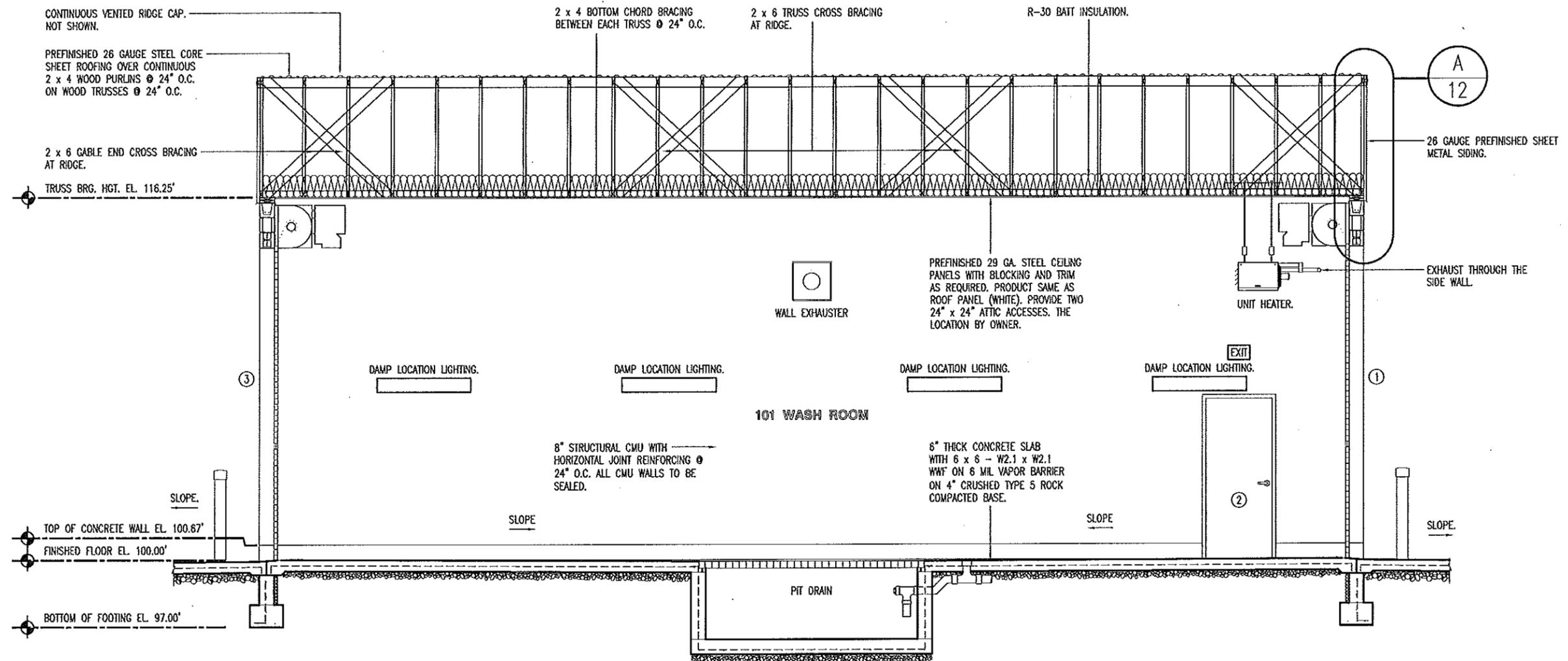


BUILDING SECTION

MISSOURI DEPARTMENT
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FACILITIES MANAGEMENT

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NORTHWEST DISTRICT, TARKIO, MISSOURI

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Sheet
9 of 15



A
10
BUILDING SECTION
SCALE: 3/16" = 1'-0"

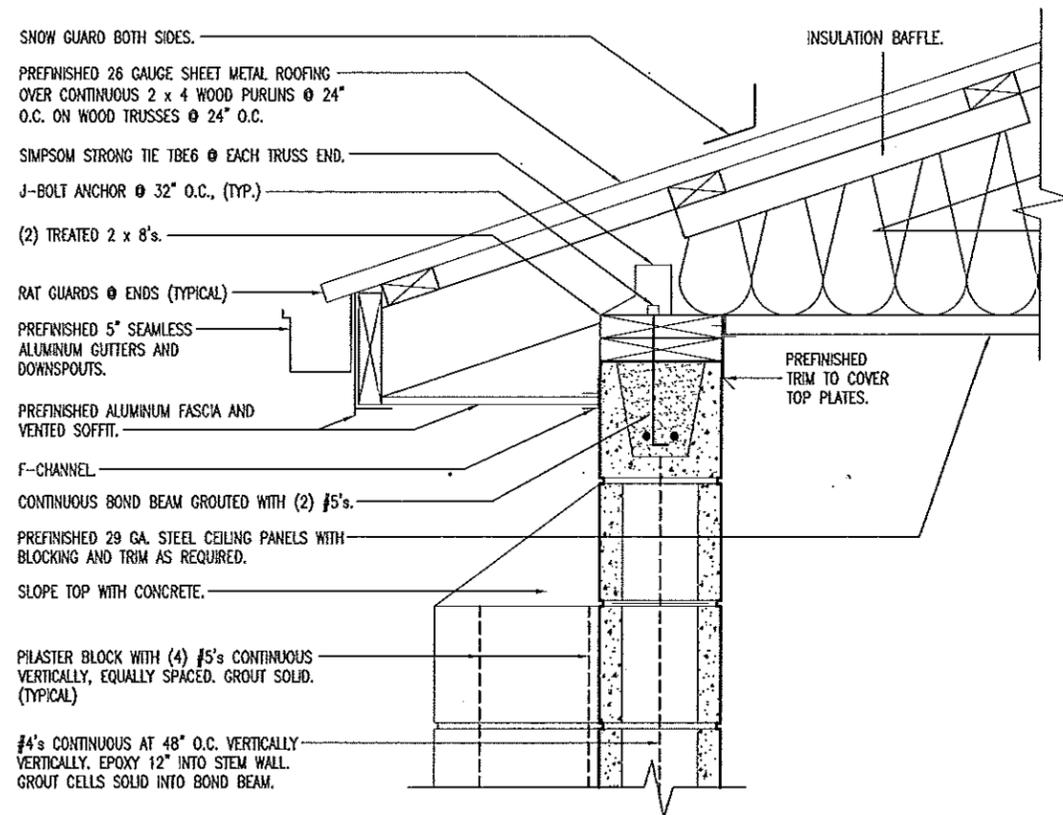
Record
STATE OF MISSOURI
DOUGLAS A.
RECORD
NUMBER
A-2009002624
ARCHITECT
8/19/13

BUILDING SECTION

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OF TRANSPORTATION
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FACILITIES MANAGEMENT

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NORTHWEST DISTRICT, TARKIO, MISSOURI

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Sheet
10 of 15



SNOW GUARD BOTH SIDES.

INSULATION BAFFLE.

REFINISHED 26 GAUGE SHEET METAL ROOFING OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 24" O.C.

SIMPSON STRONG TIE TBE6 @ EACH TRUSS END.

J-BOLT ANCHOR @ 32" O.C., (TYP.)

(2) TREATED 2 x 8's.

RAT GUARDS @ ENDS (TYPICAL)

REFINISHED 5" SEAMLESS ALUMINUM GUTTERS AND DOWNSPOUTS.

REFINISHED ALUMINUM FASCIA AND VENTED SOFFIT.

F-CHANNEL

CONTINUOUS BOND BEAM GROUTED WITH (2) #5's.

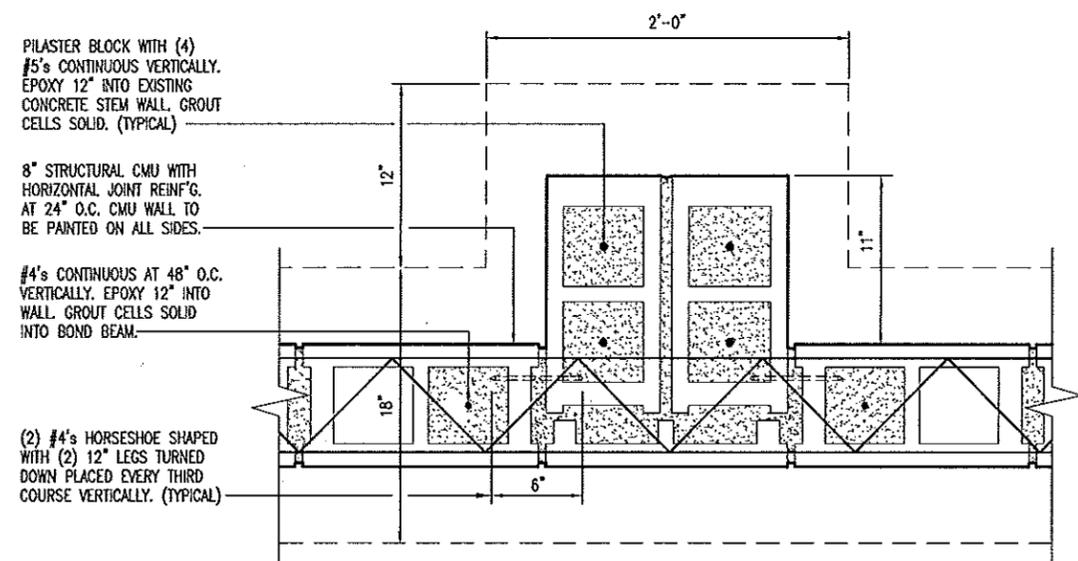
REFINISHED 29 GA. STEEL CEILING PANELS WITH BLOCKING AND TRIM AS REQUIRED.

SLOPE TOP WITH CONCRETE.

PILASTER BLOCK WITH (4) #5's CONTINUOUS VERTICALLY, EQUALLY SPACED. GROUT SOLID. (TYPICAL)

#4's CONTINUOUS AT 48" O.C. VERTICALLY. VERTICALLY, EPOXY 12" INTO STEM WALL. GROUT CELLS SOLID INTO BOND BEAM.

A WALL SECTION
11 SCALE: 1" = 1'-0"



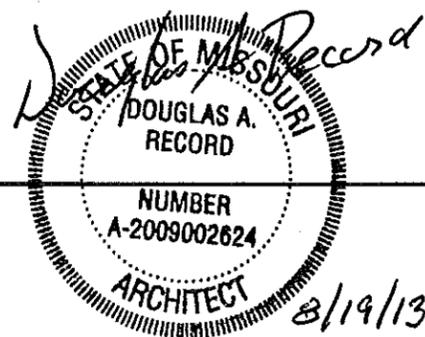
PILASTER BLOCK WITH (4) #5's CONTINUOUS VERTICALLY. EPOXY 12" INTO EXISTING CONCRETE STEM WALL, GROUT CELLS SOLID. (TYPICAL)

8" STRUCTURAL CMU WITH HORIZONTAL JOINT REINF'G. AT 24" O.C. CMU WALL TO BE PAINTED ON ALL SIDES.

#4's CONTINUOUS AT 48" O.C. VERTICALLY. EPOXY 12" INTO WALL. GROUT CELLS SOLID INTO BOND BEAM.

(2) #4's HORSESHOE SHAPED WITH (2) 12" LEGS TURNED DOWN PLACED EVERY THIRD COURSE VERTICALLY. (TYPICAL)

B PILASTER DETAIL
11 SCALE: 1" = 1'-0"

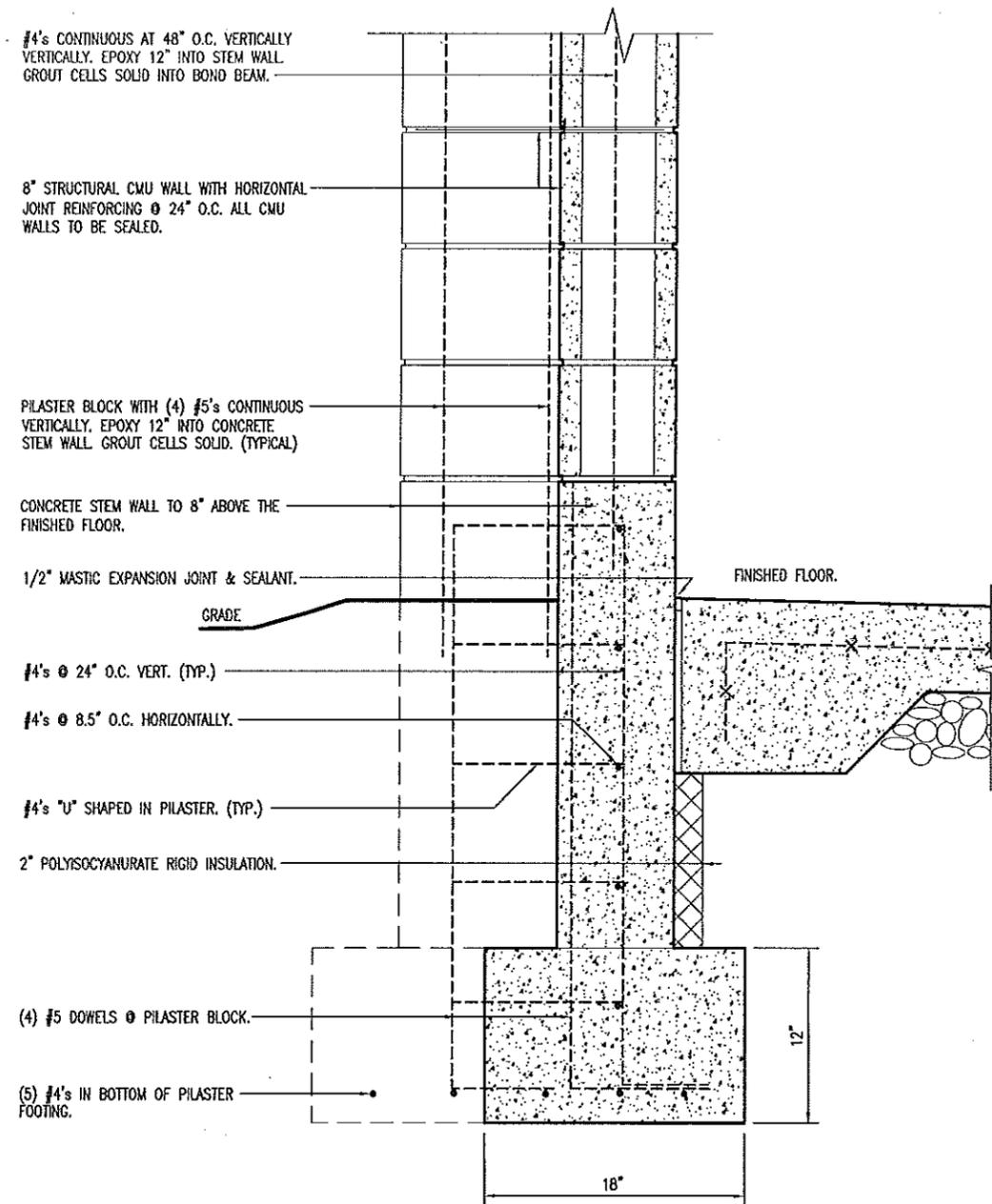
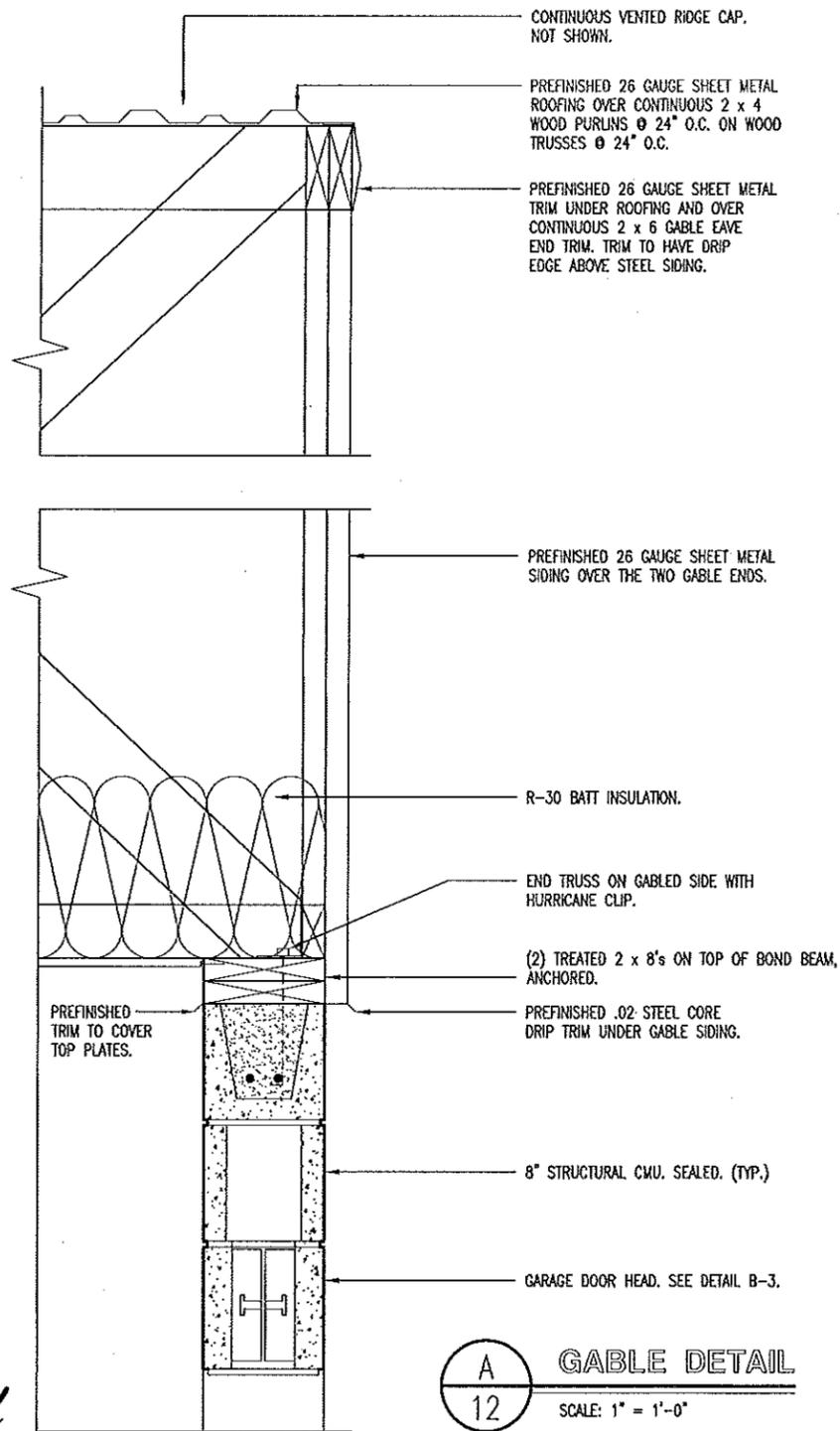


DETAILS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 5-17-13
Sheet
11 of 15



STATE OF MISSOURI
RECORD
DOUGLAS A.
RECORD
NUMBER
A-2009002624
ARCHITECT
8/19/13

DETAILS

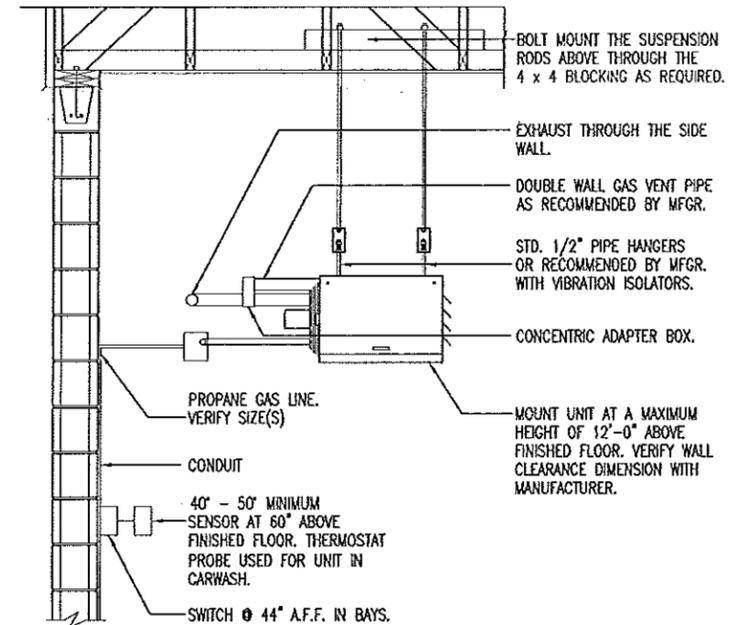
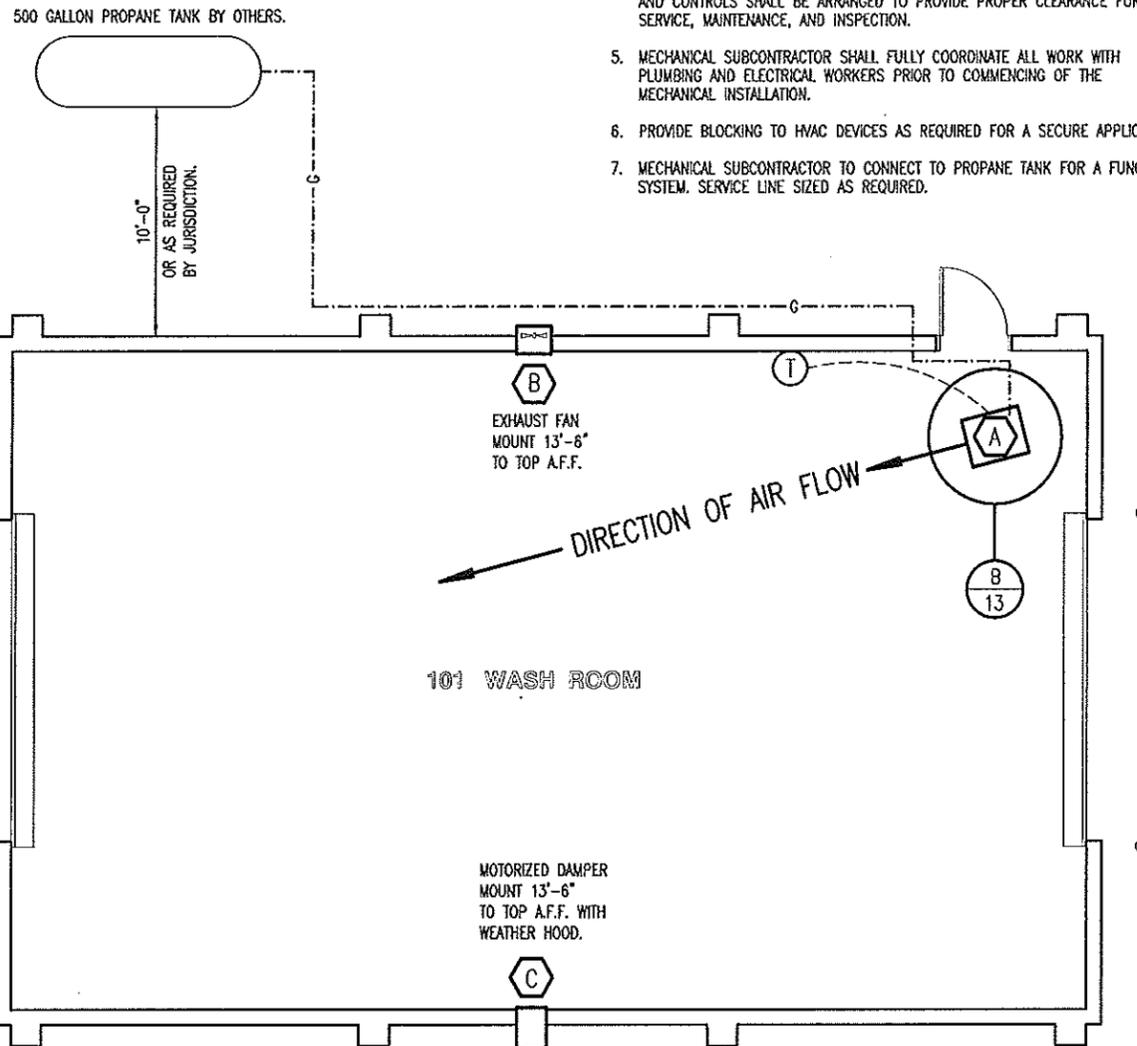
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12 of 15

MECHANICAL NOTES

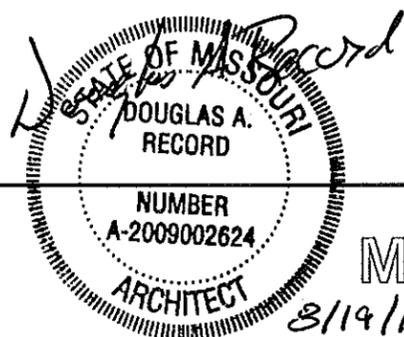
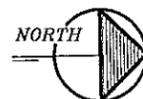
1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. MECHANICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE IBC MECHANICAL CODE.
3. PROVIDE EQUIPMENT AND APPURTENANCES NOT NECESSARILY SHOWN OR SPECIFIED BUT 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. MECHANICAL SUBCONTRACTOR TO CONNECT TO PROPANE TANK FOR A FUNCTIONAL SYSTEM. SERVICE LINE SIZED AS REQUIRED.



B UNIT HEATER INSTALLATION
13 NOT TO SCALE

SEE HVAC SCHEDULE SHEET 6.

A MECHANICAL PLAN
13 SCALE: 1/8" = 1'-0"



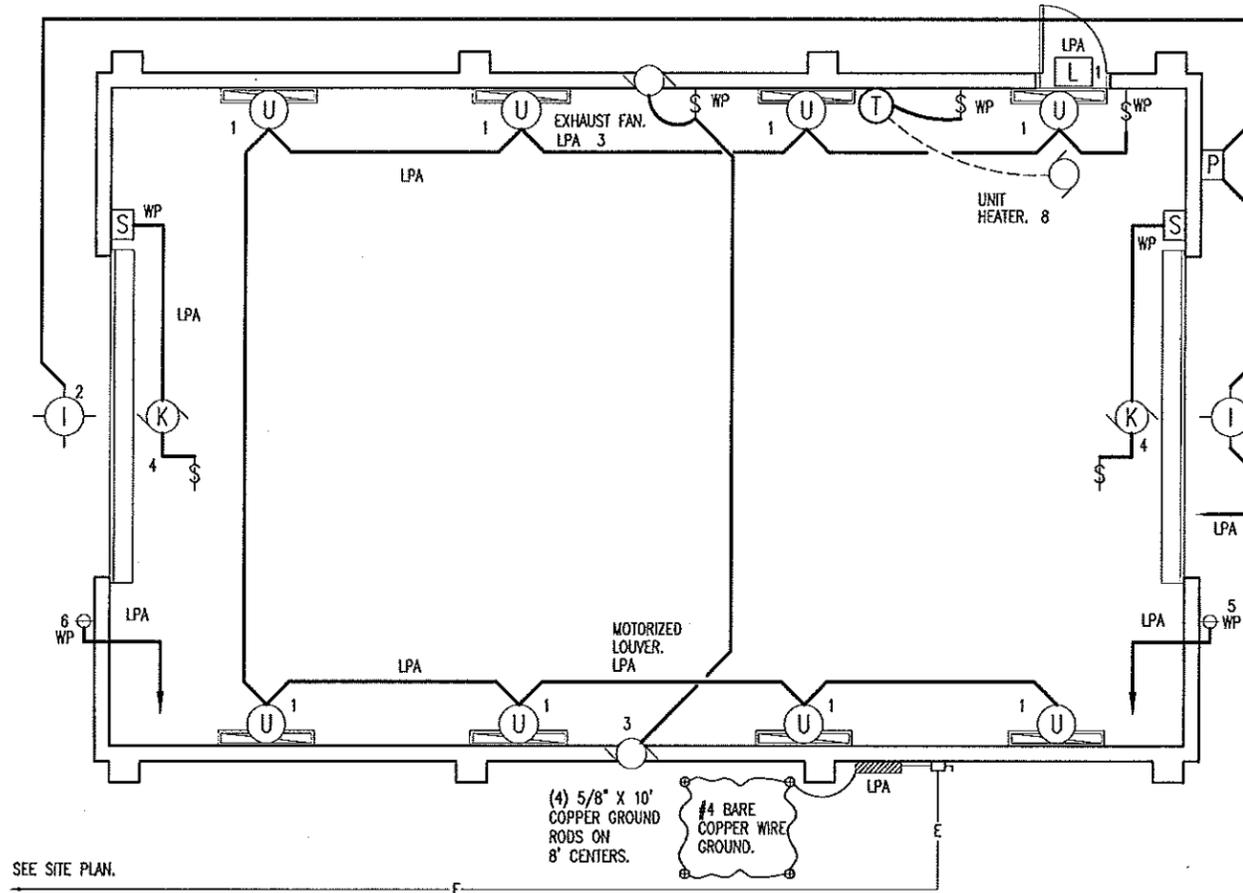
MECHANICAL PLAN

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, TARKIO, MISSOURI

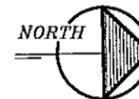
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Sheet 13 of 15

SEE NOTE 11 SHEET 15.



SEE SITE PLAN.

A
14
ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



STATE OF MISSOURI
DOUGLAS A. RECORD
ARCHITECT
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ELECTRICAL PLAN

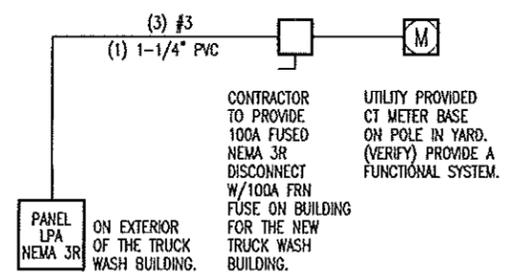
MISSOURI DEPARTMENT
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Sheet 14 of 15

SERVICE PANEL LPA								
MAIN BUS: 100A WLO 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 3680 VA B PHASE 3970 VA TOTAL 7650 VA 32 A		
CIR	SERVICE	VA	BKR	CIR	BKR	VA	SERVICE	CIR
1	101 - LIGHTS	1246	20A1P	A	30A1P	434	EXTERIOR - LIGHTS	2
3	EXHAUST FAN AND DAMPER	1221	20A1P	B	30A1P	2162	OHD OPENER	4
5	EXTERIOR - RECEPTACLE	1000	20A1P	A	20A1P	1000	EXTERIOR - RECEPTACLE	6
7	SPARE	-	20A1P	B	20A1P	586	UNIT HEATER	8
9				A				10
11				B				12
13				A				14
15				B				16

⊙ CIRCUIT BREAKER SHALL BE GFI RATED



ELECTRIC SCHEDULE						
MANUF.	MODEL	#	LAMP TYPES	W	MOUNT	REMARKS
LITHONIA 	VRI-2-54T5HO_MVOLT GEB10PS90	2	FLUORESCENT	54	CLG	7-5/8" x 50" DAMP LOCATION, FIBERGLASS HOUSING, CLEAR HIGH-IMPACT ACRYLIC LENS AND COLD WEATHER ELECTRONIC BALLAST.
WILLIAMS 	PGM-175H-128-2	1	METAL HALIDE	175	WALL	EXTERIOR, SURFACE MOUNT LIGHT FIXTURE, WITH ALUMINUM HOUSING, & IMPACT RESISTANT ONE-PIECE, WRAPAROUND LENS.
	OVERHEAD DOOR OPERATOR				WALL	115V, 1-PH, HOOD MOUNT TYPE COMMERCIAL IN CARWASH & TROLLEY TYPE IN MAINTENANCE. SEE SPECIFICATION SECTION 08720.
LITHONIA 	SERIES LQM LQM-SW-3R-120/277 ELN				CLG	QUANTUM SERIES EXIT LIGHT WITH WHITE THERMOPLASTIC HOUSING & UNIVERSAL MOUNT. INSTALL ABOVE LIGHT FIXTURE "U" AT DOOR 2.
	OVERHEAD DOOR CONTROL WATERPROOF				WALL	THREE BUTTON OVERHEAD DOOR CONTROL AS SUPPLIED BY OVERHEAD DOOR MANUF. SEE SPECIFICATION SECTION 08720.
TORK 	2001				WALL	120V PHOTO ELECTRIC CONTROL OF EXTERIOR LIGHTS.

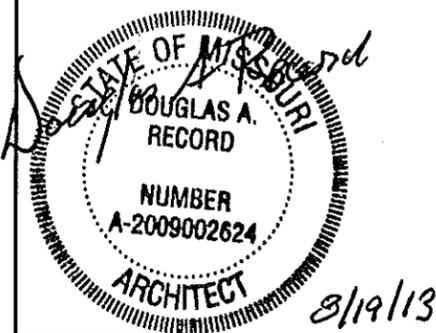
ELECTRICAL FIXTURES AND EQUIPMENT ARE SCHEDULED BY MANUFACTURER AND MODEL NUMBER FOR DESIGN INTENT ONLY, APPROVED EQUALS MAY BE SUBSTITUTED.

LEGEND

- \$ WP SINGLE POLE SWITCH, MOUNT 48" A.F.F. IN FS BOX WITH HUBBELL HBL 7420 COVER.
- Φ WP SINGLE RECEPTACLE MOUNTED 36 A.F.F. IN FS BOX WITH HUBBELL HBL7423 COVER.
- FUSED DISCONNECT SWITCH.

ELECTRICAL NOTES:

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2. ELECTRICAL WORK SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.)
3. PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
4. SWITCHES AND RECEPTACLES SHALL BE EQUAL TO THE AMPERE SHOWN IN THE PANEL SCHEDULE. RECEPTACLES SHALL BE GROUND FAULT INTERRUPTION WHERE SHOWN OR AS REQUIRED BY CODE.
5. SEE HVAC SCHEDULE FOR EQUIPMENT SYMBOLS AND EQUIPMENT TO BE HARD WIRED.
6. CONTRACTOR SHALL PROVIDE SERVICE DISCONNECTS AS REQUIRED ON EXTERIOR OF NEW BUILDING.
7. PROVIDE BLOCKING FOR ELECTRICAL DEVICES AS REQUIRED FOR A SECURE APPLICATION.
8. SEE SPECIFICATION SECTION 16100 - ELECTRICAL FOR ADDITIONAL REQUIREMENTS.
9. COORDINATE WORK WITH OTHER TRADES PRIOR TO COMMENCING WITH ELECTRICAL WORK.
10. CONDUCTOR AND BREAKER SIZE MAY VARY PER MANUFACTURER SHOWN ON THE EQUIPMENT SPECIFIED. ELECTRICAL CONTRACTOR TO VERIFY SIZES WITH EXACT EQUIPMENT ORDERED PRIOR TO PURCHASING ELECTRICAL SUPPLIES.
11. ALL EXPOSED CONDUIT, BOXES, CONNECTORS, ETC. IN 101 WASH ROOM TO BE IN SCHEDULE 40 PVC. CONTRACTOR TO VERIFY THE DIAMETERS OD CONDUIT AS REQUIRED.
12. GROUP CIRCUITS IN CONDUIT WHERE FEASIBLE AS REQUIRED.
13. ALL DEDICATED 20 AMP EXTERIOR GFI SINGLE RECEPTACLE OUTLETS TO BE CLASS B.



ELECTRICAL PANEL & SCHEDULES

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