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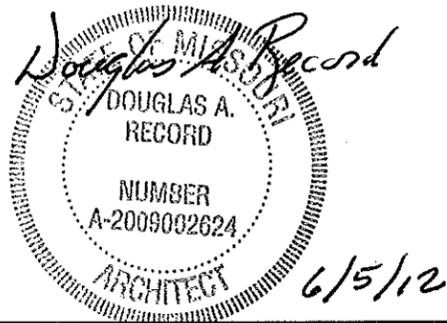
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MISSOURI DEPARTMENT
OF TRANSPORTATION

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT
MOUND CITY, MISSOURI
Route 118, 1/4 Mile West of I-29
Holt County

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC
PLUMBING CODE - CURRENT IBC

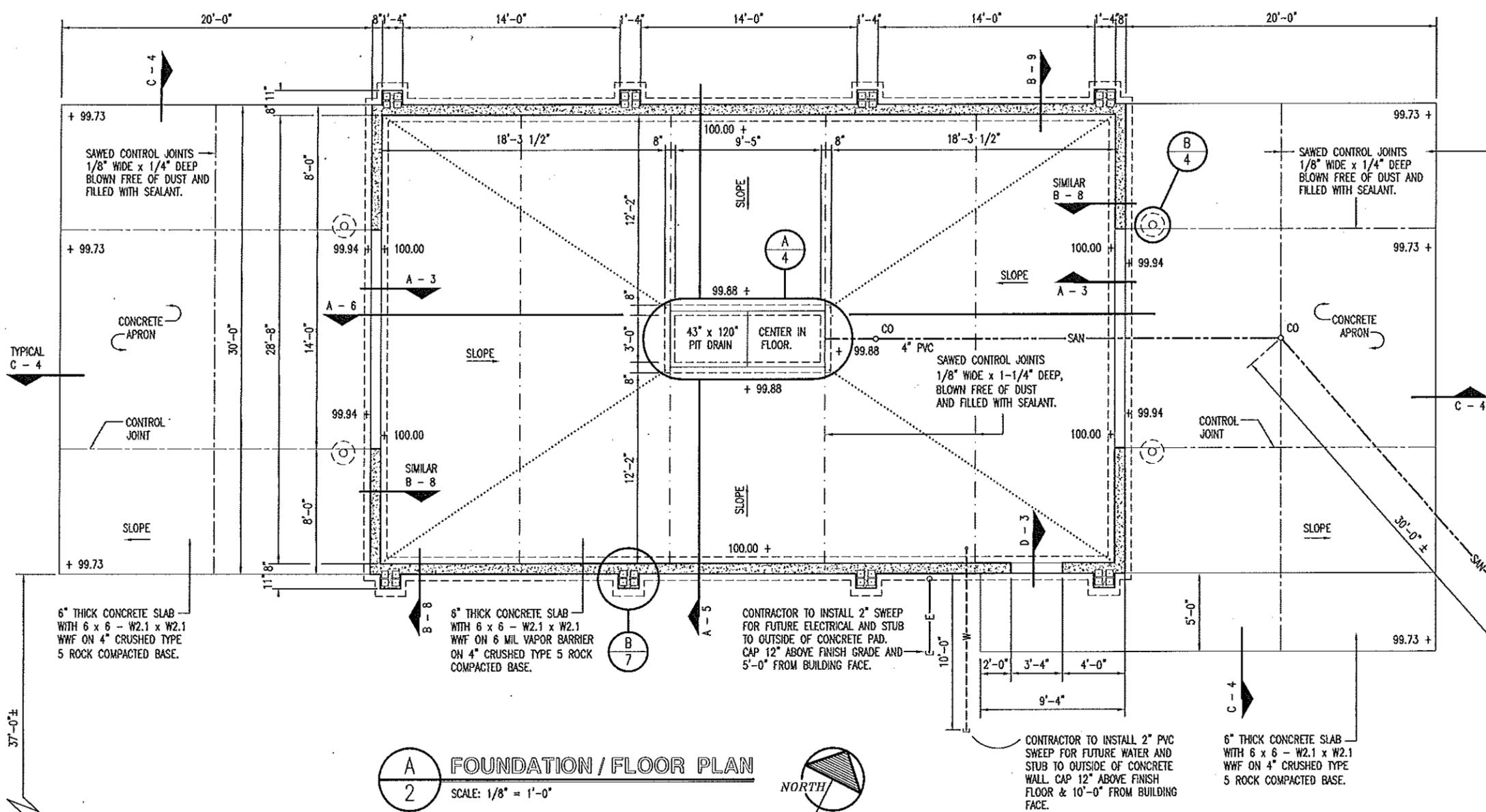


COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

DESIGN BY: LARRY CARVER
DRAWN BY: LARRY CARVER
DATE: 5-26-12
Sheet
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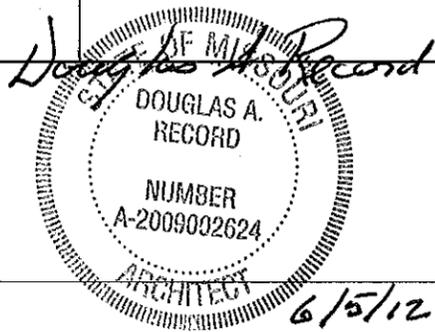


6" THICK CONCRETE SLAB WITH 6 x 6 - W2.1 x W2.1 WWF ON 4" CRUSHED TYPE 5 ROCK COMPACTED BASE.

FINISHED FLOOR EL. 871.00' AT THE GARAGE DOOR THRESHOLD.

- NOTES:
- VERIFY ALL UTILITY LOCATIONS INTO BLDG.
 - PLUMBING COPPER RAN THROUGH CONCRETE SHALL BE IN (SCH 40) PVC SLEEVES.
 - BLOCK OUT AT ALL DOOR OPENINGS. (TYP.)
 - PLUMBING CONTRACTOR TO MAKE SANITARY SEWER CONNECTION AS SHOWN FOR AN OPERABLEABLE SYSTEM.

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



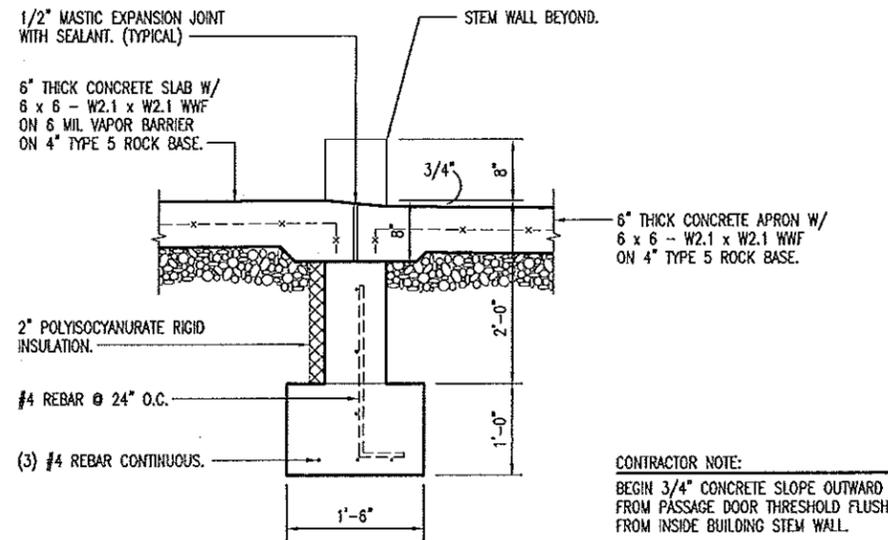
EXISTING COLD STORAGE

FOUNDATION / FLOOR PLAN

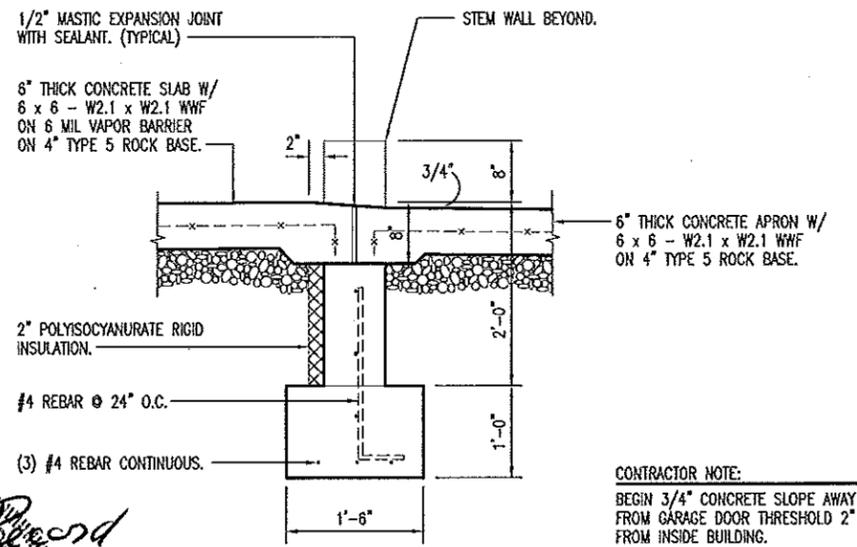
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

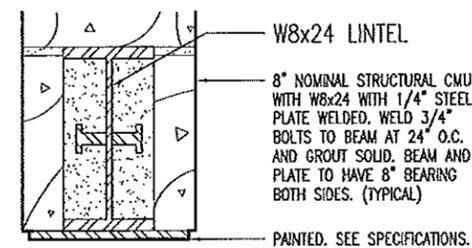
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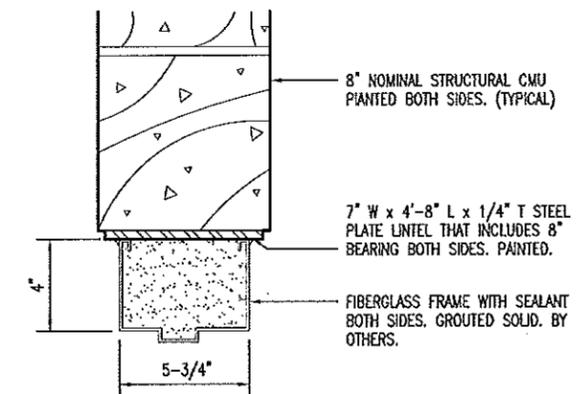
D
3
PASSAGE DOOR
THRESHOLD
SCALE: 1/2" = 1'-0"



A
3
GARAGE DOOR
THRESHOLD
SCALE: 1/2" = 1'-0"



B
3
GARAGE DOOR
HEAD
SCALE: 1-1/2" = 1'-0"



C
3
FIBERGLASS DOOR
HEAD/JAMB @ 2"
SCALE: 1-1/2" = 1'-0"

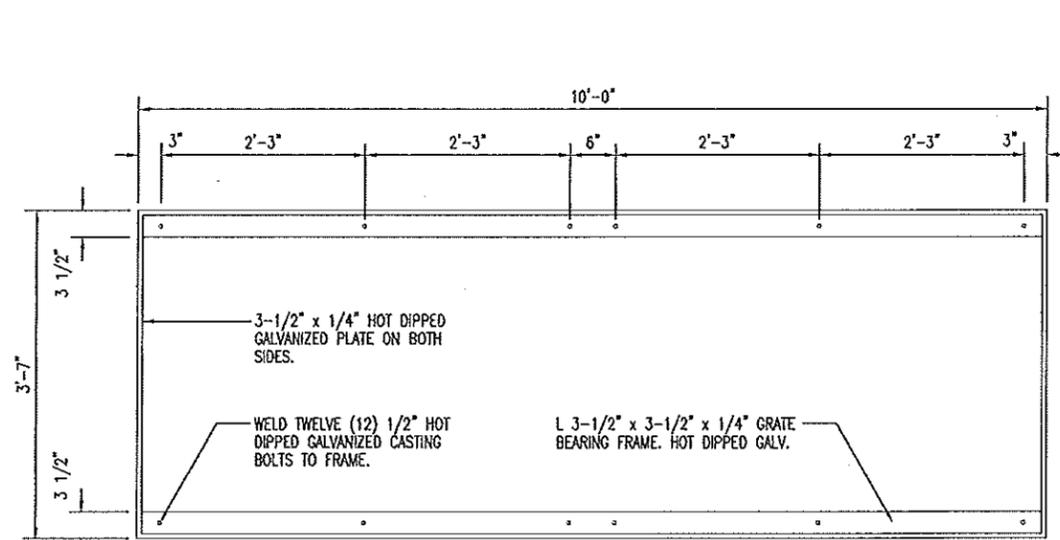
Douglas A. Beard
DOUGLAS A. BEARD
RECORD
NUMBER
A-2009002624
ARCHITECT
6/5/12

FOUNDATION DETAILS

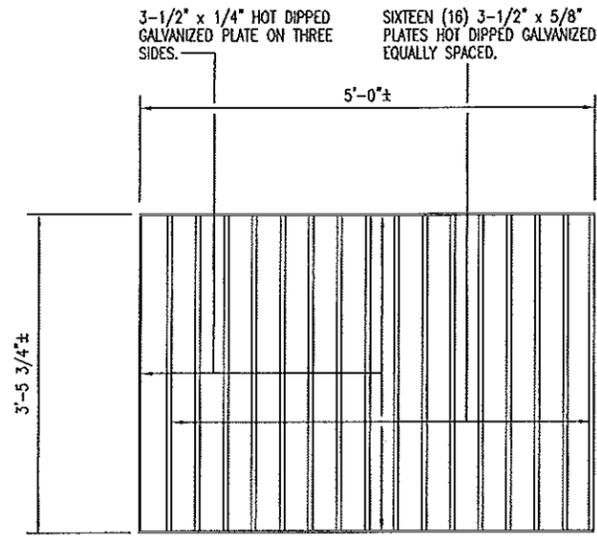
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NORTHWEST DISTRICT, MOUND CITY, MISSOURI

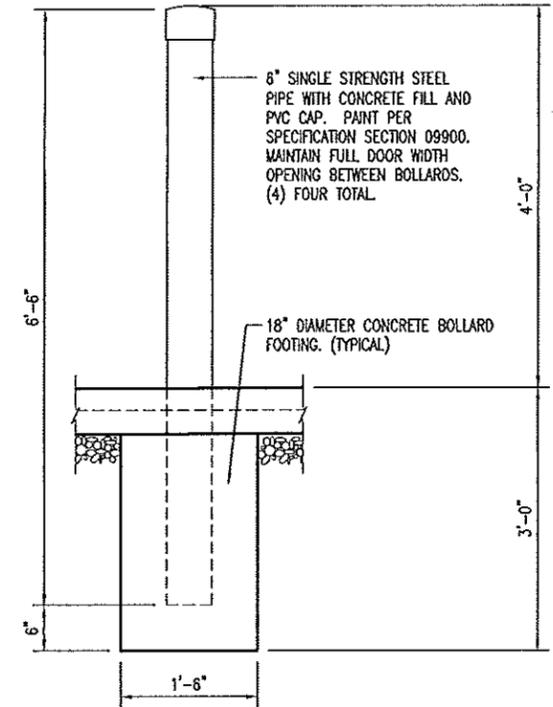
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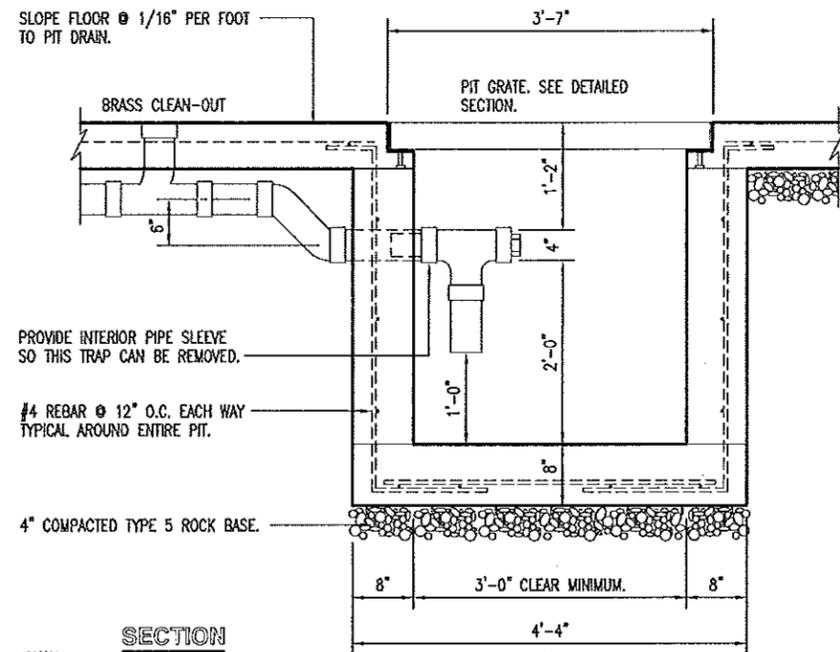
BEARING FRAME PLAN



PROVIDE TWO (2) GRATE PLAN

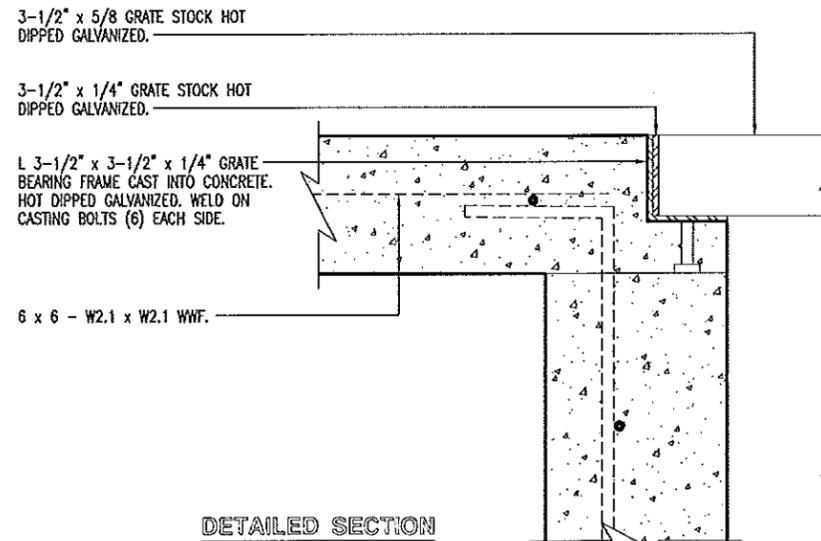


B
4 **BOLLARD @ PIER DETAIL**
SCALE: 1/2" = 1'-0"

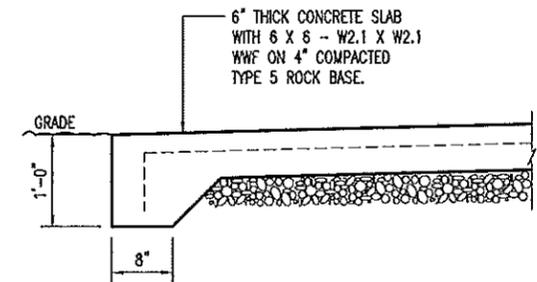


SECTION

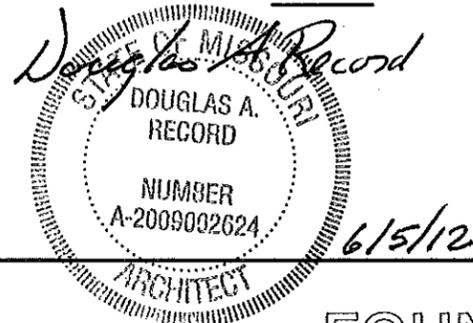
A
4 **PIT DRAIN**
SCALE: 1/2" = 1'-0"



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



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



FOUNDATION DETAILS

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

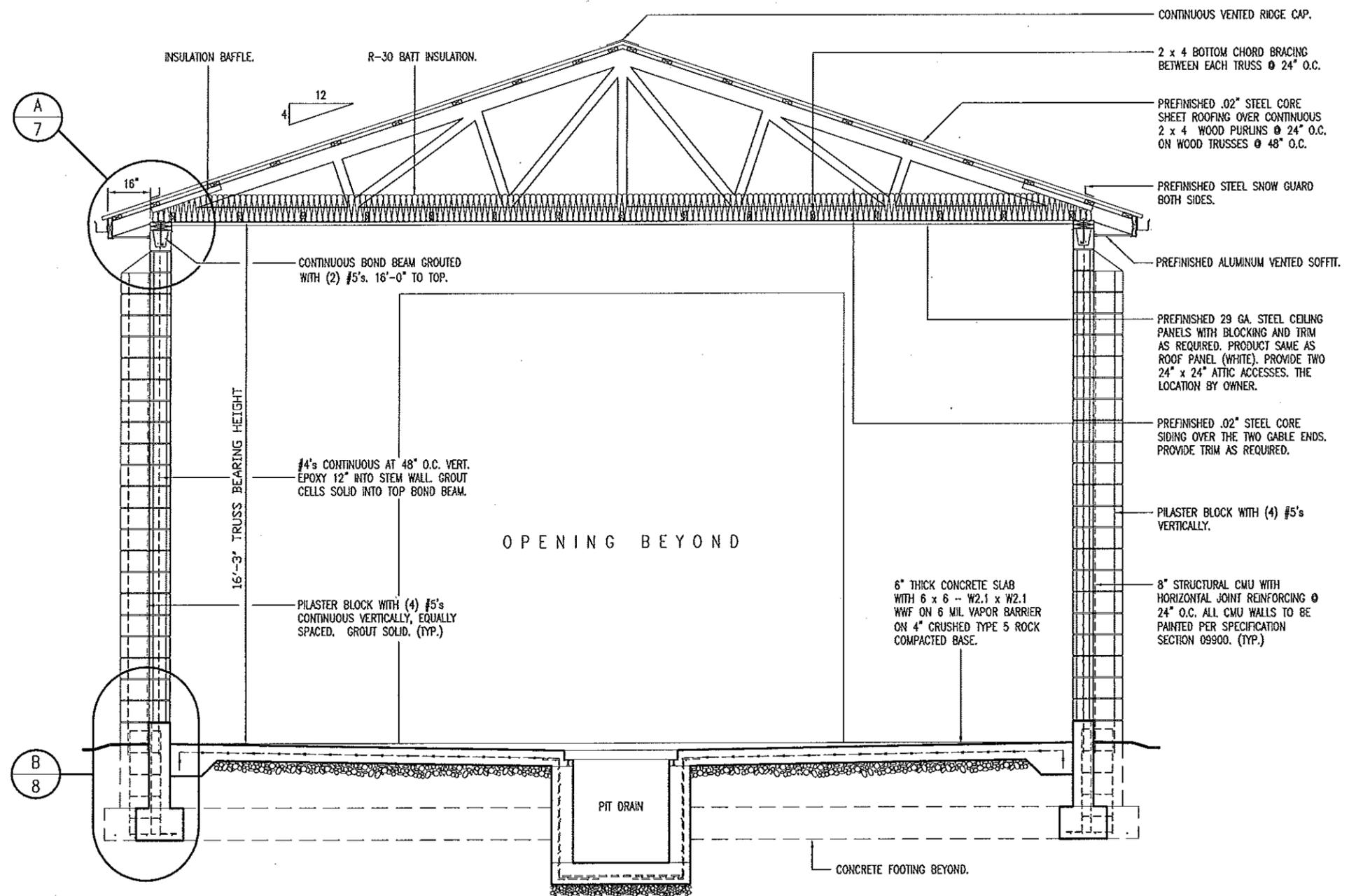
CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

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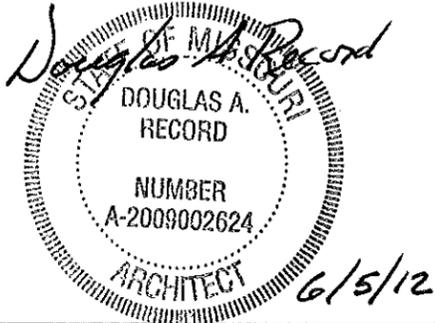
ENGINEERING DESIGN AND SHOP DRAWINGS:

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



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

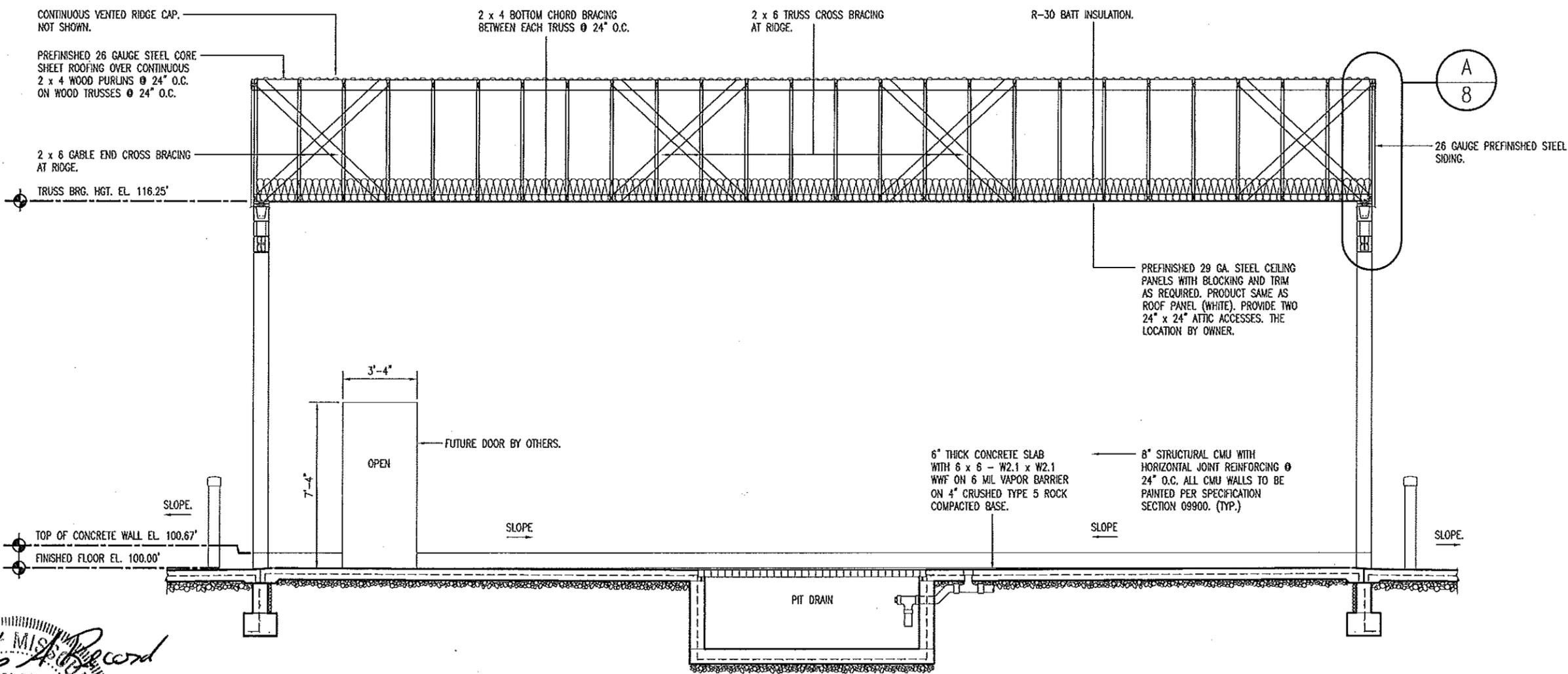


BUILDING SECTION

MISSOURI DEPARTMENT
OF TRANSPORTATION
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FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
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A
6 BUILDING SECTION
SCALE: 3/16" = 1'-0"

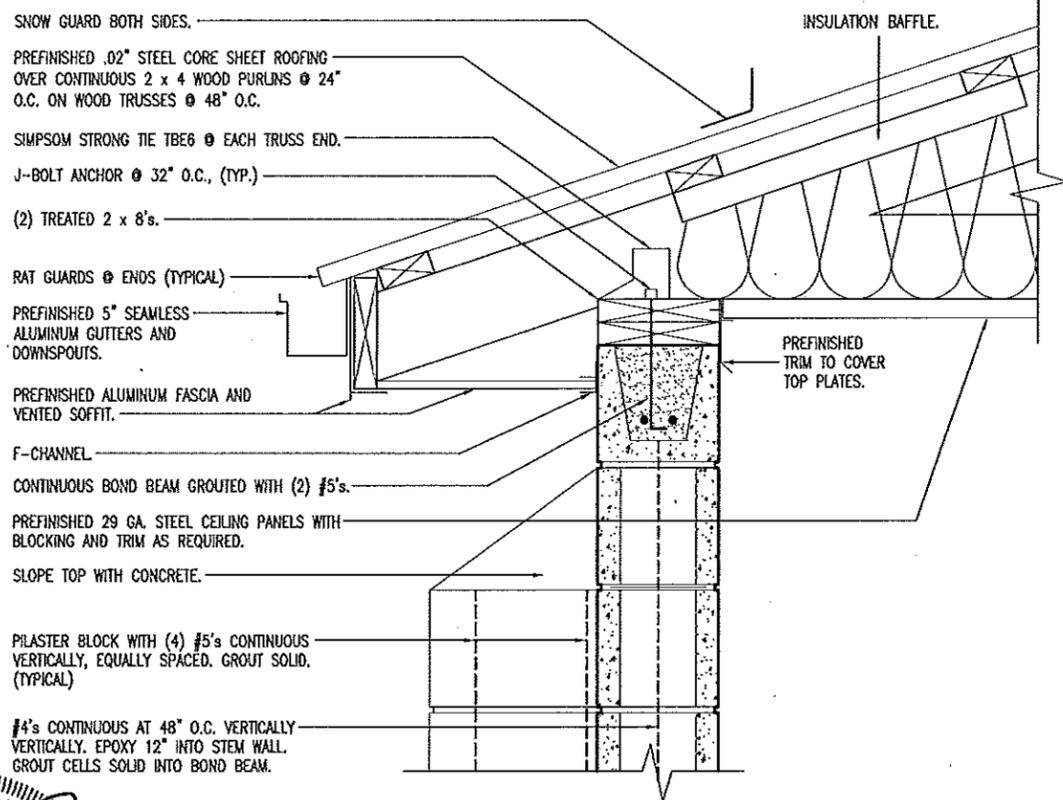
Doyle A. Record
STATE OF MISSOURI
DOUGLAS A. RECORD
NUMBER
A-2009002624
ARCHITECT
6/5/12

BUILDING SECTION

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

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SNOW GUARD BOTH SIDES.

INSULATION BAFFLE.

PREFINISHED .02" STEEL CORE SHEET ROOFING
OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24"
O.C. ON WOOD TRUSSES @ 48" 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)

PREFINISHED 5" SEAMLESS
ALUMINUM GUTTERS AND
DOWNSPOUTS.

PREFINISHED ALUMINUM FASCIA AND
VENTED SOFFIT.

F-CHANNEL

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

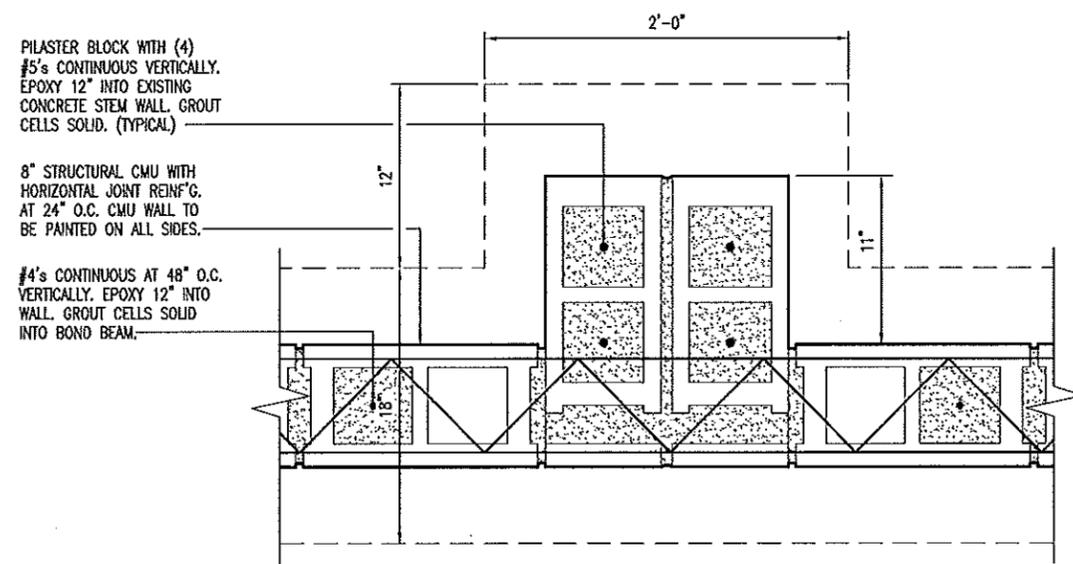
PREFINISHED 29 GA. STEEL CEILING PANELS WITH
BLOCKING AND TRIM AS REQUIRED.

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
7 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 REINFC.
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.

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

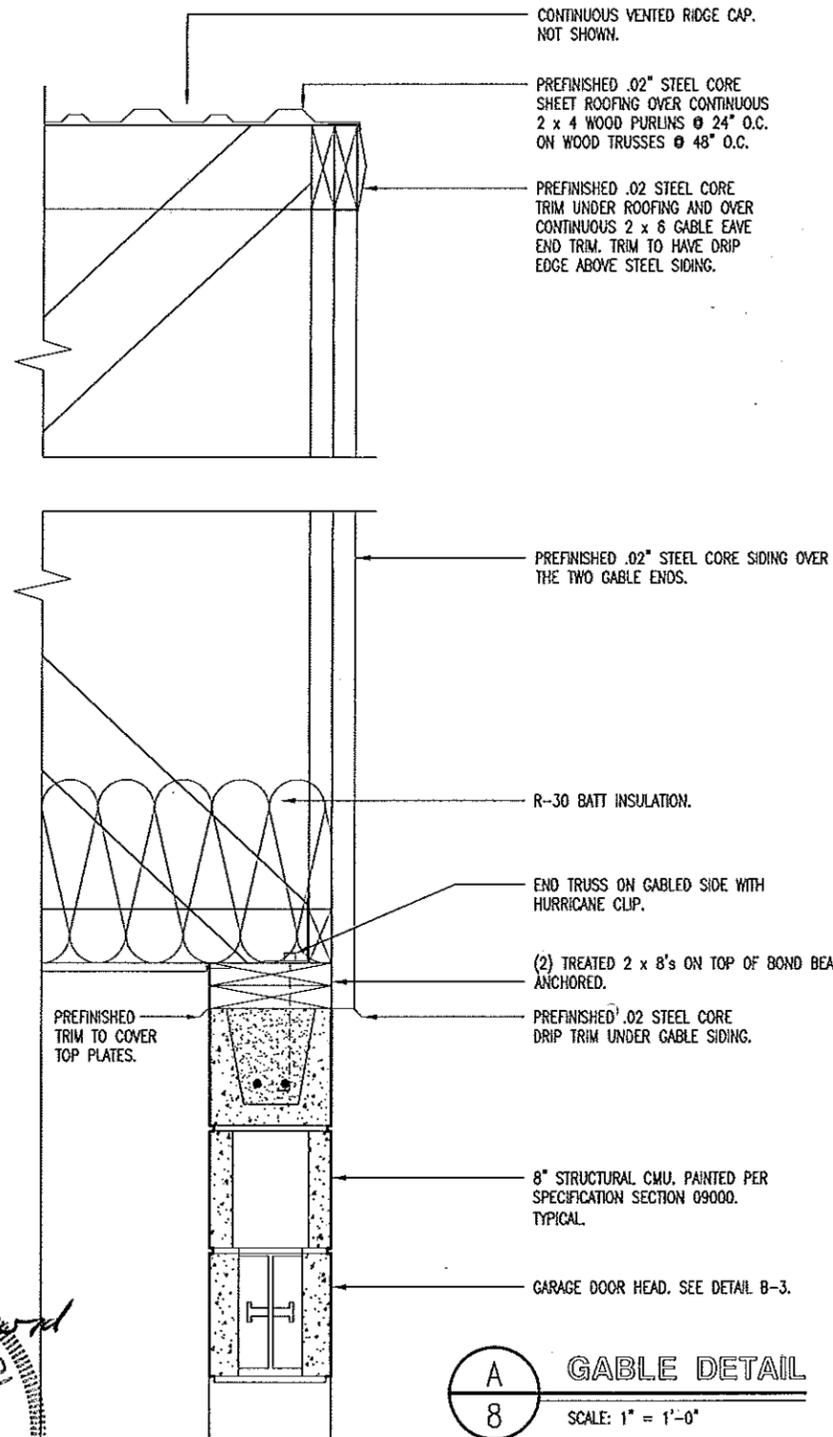
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DETAILS

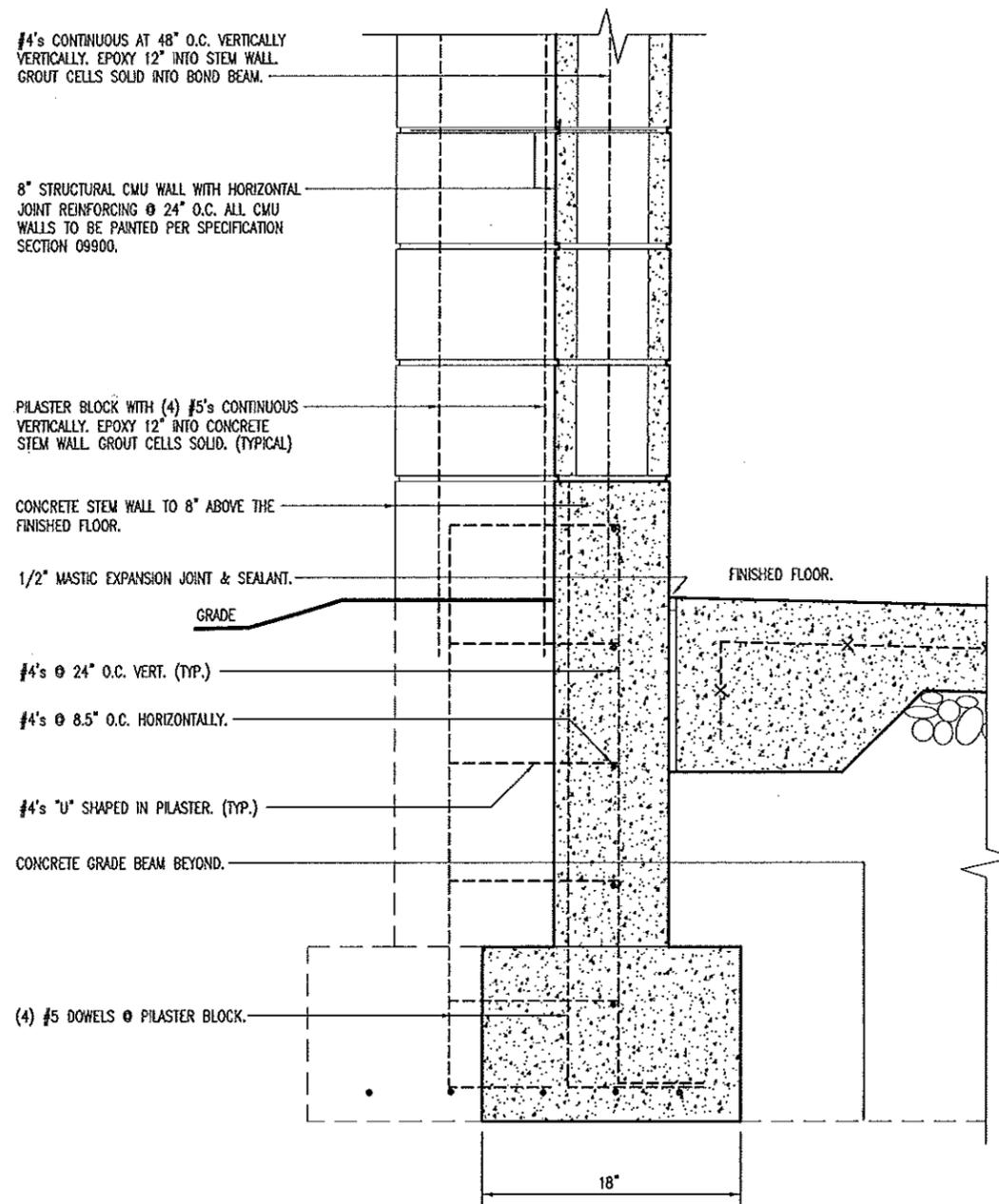
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CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

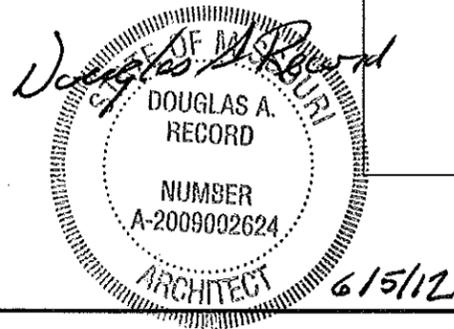
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A GABLE DETAIL
SCALE: 1" = 1'-0"



B WALL SECTION
SCALE: 1" = 1'-0"



DETAILS

MISSOURI DEPARTMENT
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CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

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PREFINISHED STEEL SNOW GUARD BOTH SIDES.

CONTINUOUS VENTED RIDGE CAP.

PREFINISHED .02" STEEL CORE SHEET ROOFING OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 48" 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 PAINTED 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)

PLASTER 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.

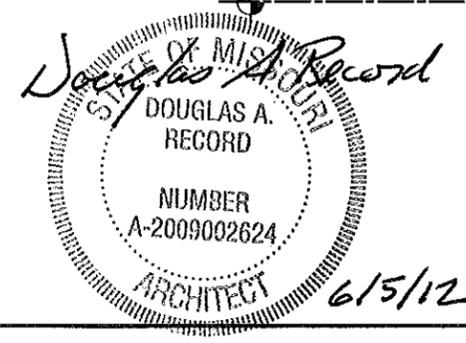
TOP OF CONCRETE STEM WALL EL. 100.67'

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.) BY OTHERS.

7'-4" OPENING
3'-4" 4'-0"



A SOUTH ELEVATION
9 SCALE: 3/16" = 1'-0"

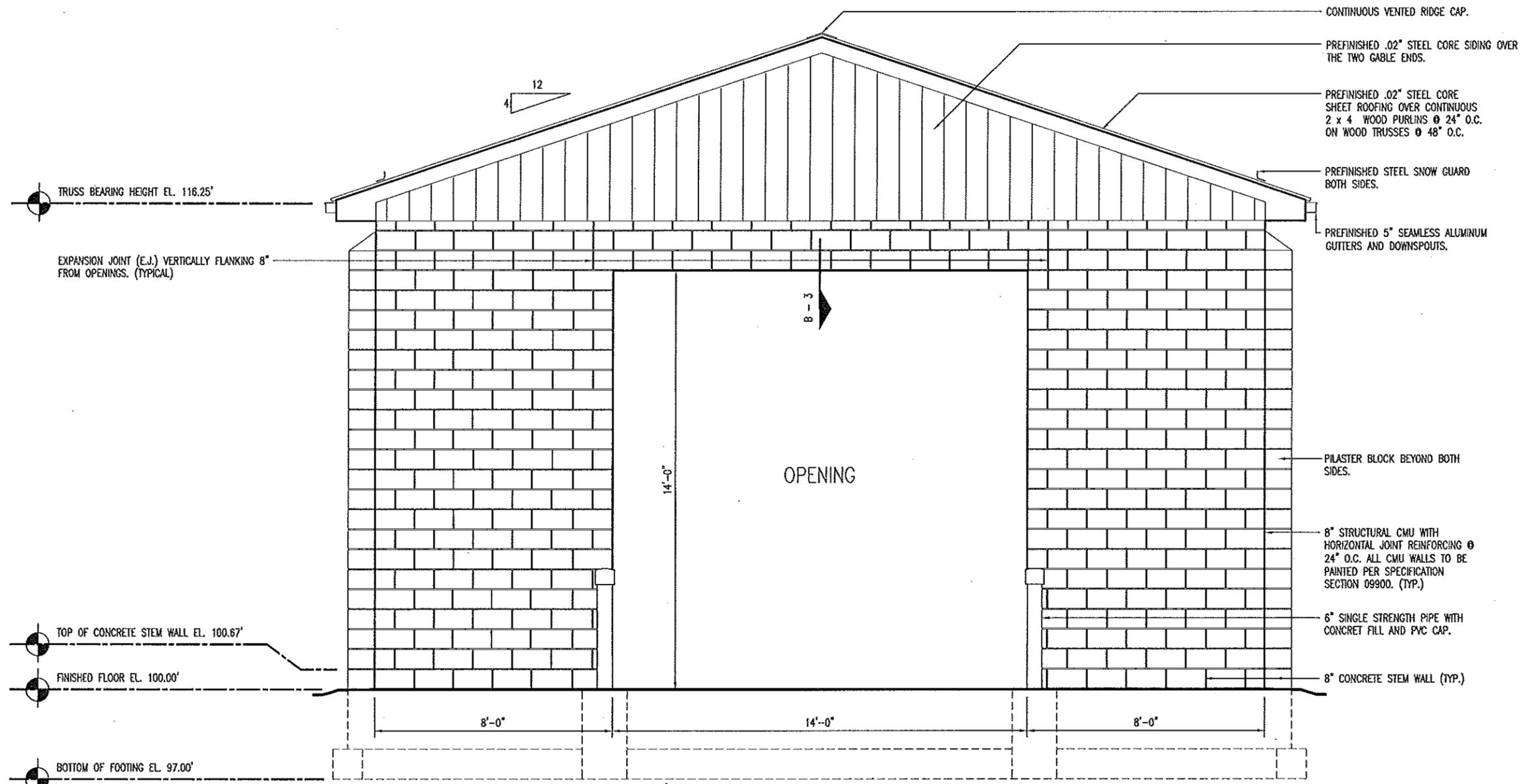
NORTH SIDE TYPICAL BUT WITHOUT MOTORIZED DAMPER BY OTHERS.

SOUTH ELEVATION

MISSOURI DEPARTMENT OF TRANSPORTATION
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

DESIGN BY: LARRY CARVER
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- CONTINUOUS VENTED RIDGE CAP.
- PREFINISHED .02" STEEL CORE SIDING OVER THE TWO GABLE ENDS.
- PREFINISHED .02" STEEL CORE SHEET ROOFING OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 48" O.C.
- PREFINISHED STEEL SNOW GUARD BOTH SIDES.
- PREFINISHED 5" SEAMLESS ALUMINUM GUTTERS AND DOWNSPOUTS.
- PILASTER BLOCK BEYOND BOTH SIDES.
- 8" STRUCTURAL CMU WITH HORIZONTAL JOINT REINFORCING @ 24" O.C. ALL CMU WALLS TO BE PAINTED PER SPECIFICATION SECTION 09900. (TYP.)
- 6" SINGLE STRENGTH PIPE WITH CONCRETE FILL AND PVC CAP.
- 8" CONCRETE STEM WALL (TYP.)

TRUSS BEARING HEIGHT EL. 116.25'

EXPANSION JOINT (E.J.) VERTICALLY FLANKING 8" FROM OPENINGS. (TYPICAL)

TOP OF CONCRETE STEM WALL EL. 100.67'

FINISHED FLOOR EL. 100.00'

BOTTOM OF FOOTING EL. 97.00'

8'-0" 14'-0" 8'-0"

A
10 EAST ELEVATION
SCALE: 1/4" = 1'-0"

WEST ELEVATION SIMILAR.

Douglas A. Record
STATE OF MISSOURI
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EAST ELEVATION

MISSOURI DEPARTMENT
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CONCRETE BLOCK TRUCK WASH
NORTHWEST DISTRICT, MOUND CITY, MISSOURI

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GENERAL 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 FIELD INSPECTOR BEFORE PROCEEDING WITH THE WORK.
4. ALL CONCRETE SHALL BE TYPE I CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS WITH 4" SLUMP.
5. CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT OF 6% ± 2%.
6. FOUNDATION WALLS AND FOOTINGS SHALL BEAR A MINIMUM OF 12" INTO UNDISTURBED SOIL AND 36" MINIMUM BELOW FINISH GRADE.
7. DEFORMED STEEL REINFORCING BARS SHALL BE #5 AND LARGER, ASTM A615 GRADE 60.
8. PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
9. INTERIOR AND 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. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH DOW CORNING 888 SILICONE JOINT SEALANT OR AN APPROVED EQUAL. SAWCUT WITHIN 24 HOURS.
12. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.

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.

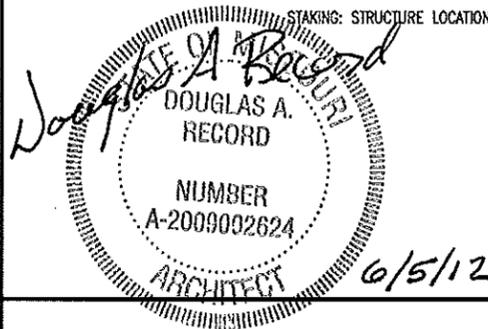
GRADING NOTES:

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.

EXCAVATION: CONTRACTOR TO SLOPE GRADE AWAY FROM NEW TRUCK WASH AS REQUIRED WITH 6" TYPE 5 ROCK BASE INCLUDING ALL AREAS DISTURBED DURING CONSTRUCTION.

STAKING: STRUCTURE LOCATION STAKED BY MDDOT AT THE MAINTENANCE SITE.



GENERAL NOTES

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