

**NOTE:**

These Plans include a Truck Wash at both Nevada and Mt. Vernon. Only Nevada is included in this project. Pages 2, 4 and 9 have been removed as they pertain only to Mt. Vernon. Disregard all remaining references to the Mt. Vernon Truck Wash.

INDEX OF DRAWINGS

- 1 - 11 COVER SHEET
- 2 - 11 MT. VERNON FLOOR PLAN *Removed*
- 3 - 11 NEVADA FLOOR PLAN
- 4 - 11 MT. VERNON BUILDING SECTION *Removed*
- 5 - 11 NEVADA BUILDING SECTION
- 6 - 11 DETAILS
- 7 - 11 DETAILS
- 8 - 11 DETAILS
- 9 - 11 MT. VERNON ELEVATIONS *Removed*
- 10 - 11 NEVADA ELEVATIONS
- 11 - 11 SCHEDULES

# MISSOURI DEPARTMENT OF TRANSPORTATION

## Mt. Vernon Truck Wash Building SOUTHWEST DISTRICT

PHYSICAL ADDRESS: 1001 Spring Park Boulevard  
Lawrence County

## Nevada Truck Wash Building SOUTHWEST DISTRICT

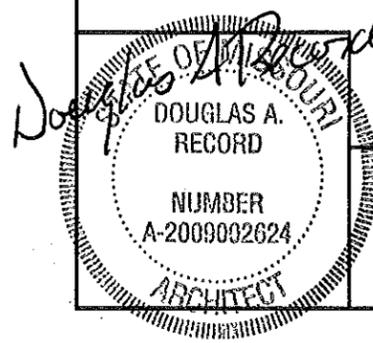
PHYSICAL ADDRESS: 601 West Outer Road North  
Vernon County

**GENERAL NOTE:**

MODOT WILL BE RESPONSIBLE FOR ALL ELECTRICAL AND HVAC ON THIS PROJECT EXCEPT WHERE NOTED.

CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC



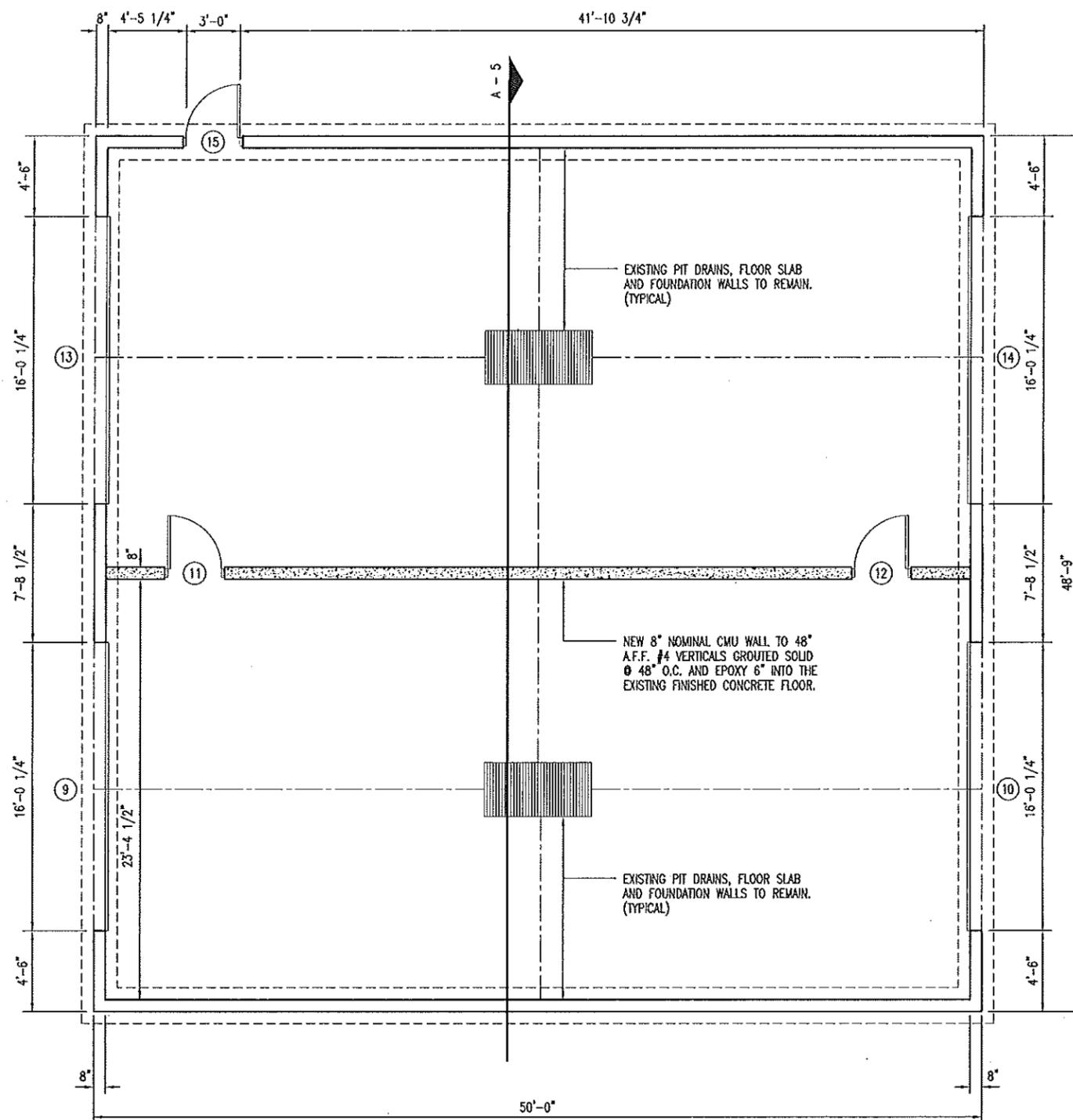
9/20/12

# COVER SHEET

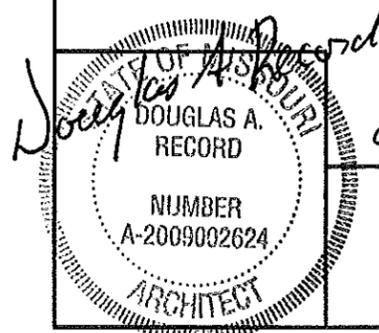
MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
Truck Washes  
SOUTHWEST DISTRICT

<small>DRAWN BY: LARRY CARVER</small>
<small>CHECKED BY: DOUG RECORD</small>
<small>DATE: 9-14-12</small>
Sheet
1 of 11



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



# NEVADA FLOOR PLAN

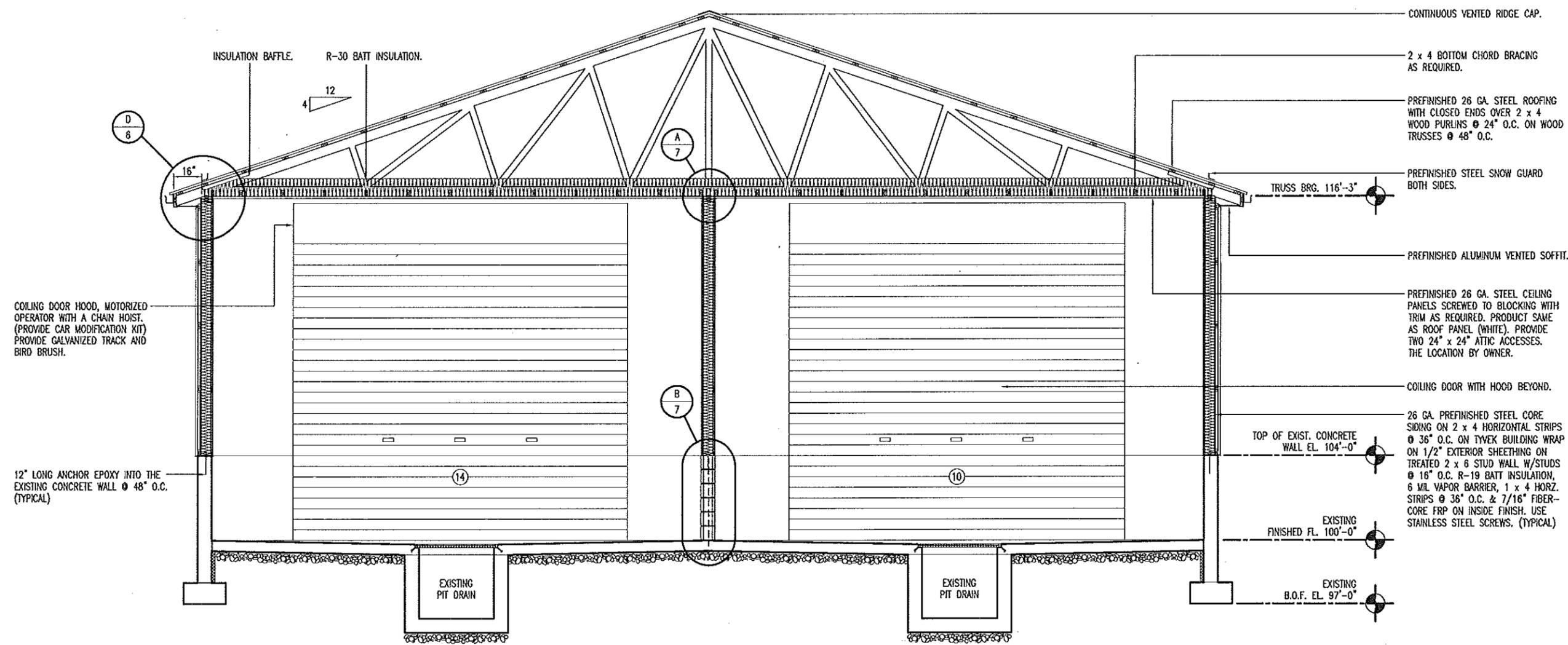
MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
Truck Washes  
SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER  
CHECKED BY: DOUG RECORD  
DATE: 9-14-12

Sheet

3 of 11



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

12" LONG ANCHOR EPOXY INTO THE EXISTING CONCRETE WALL @ 48" O.C. (TYPICAL)

NEVADA  
**A**  
**5**  
 BUILDING SECTION  
 SCALE: 3/16" = 1'-0"

*Douglas A. Record*  
 STATE OF MISSOURI  
 DOUGLAS A. RECORD  
 ARCHITECT  
 NUMBER  
 A-2009092624

*9/20/12*

NEVADA BUILDING SECTION

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
 Truck Washes  
 SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER  
 CHECKED BY: DOUG RECORD  
 DATE: 9-14-12

Sheet  
 5 of 11

SNOW GUARD BOTH SIDES.

PREFINISHED 26 GA. STEEL ROOFING WITH CLOSED ENDS OVER 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 48" O.C.

PROVIDE HURRICANE ANCHORS. (TYP.)

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.

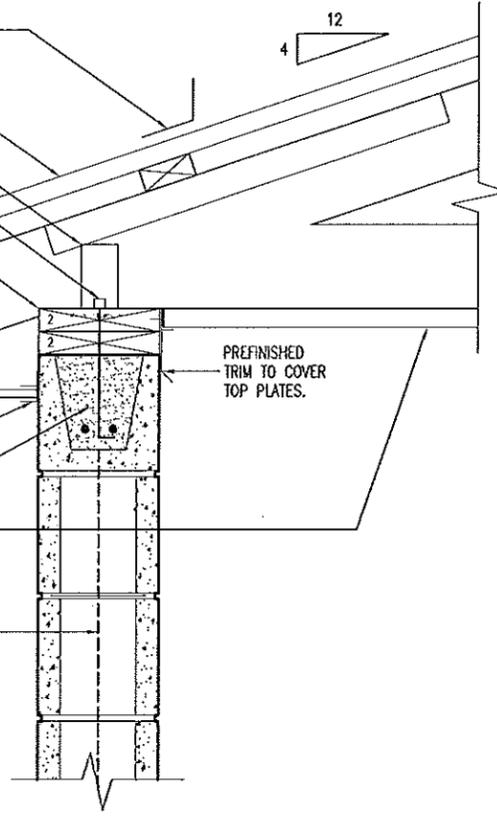
F-CHANNEL.

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

PREFINISHED 26 GA. STEEL CEILING PANELS SCREWED TO BLOCKING WITH TRIM AS REQUIRED.

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

**C**  
6  
**SOFFIT DETAIL**  
SCALE: 1" = 1'-0"



SNOW GUARD BOTH SIDES.

PREFINISHED 26 GA. STEEL ROOFING WITH CLOSED ENDS OVER 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 48" O.C.

PROVIDE HURRICANE ANCHORS. (TYP.)

(2) TREATED 2 x 6's.

RAT GUARDS @ ENDS (TYPICAL)

PREFINISHED 5" SEAMLESS ALUMINUM GUTTERS AND DOWNSPOUTS.

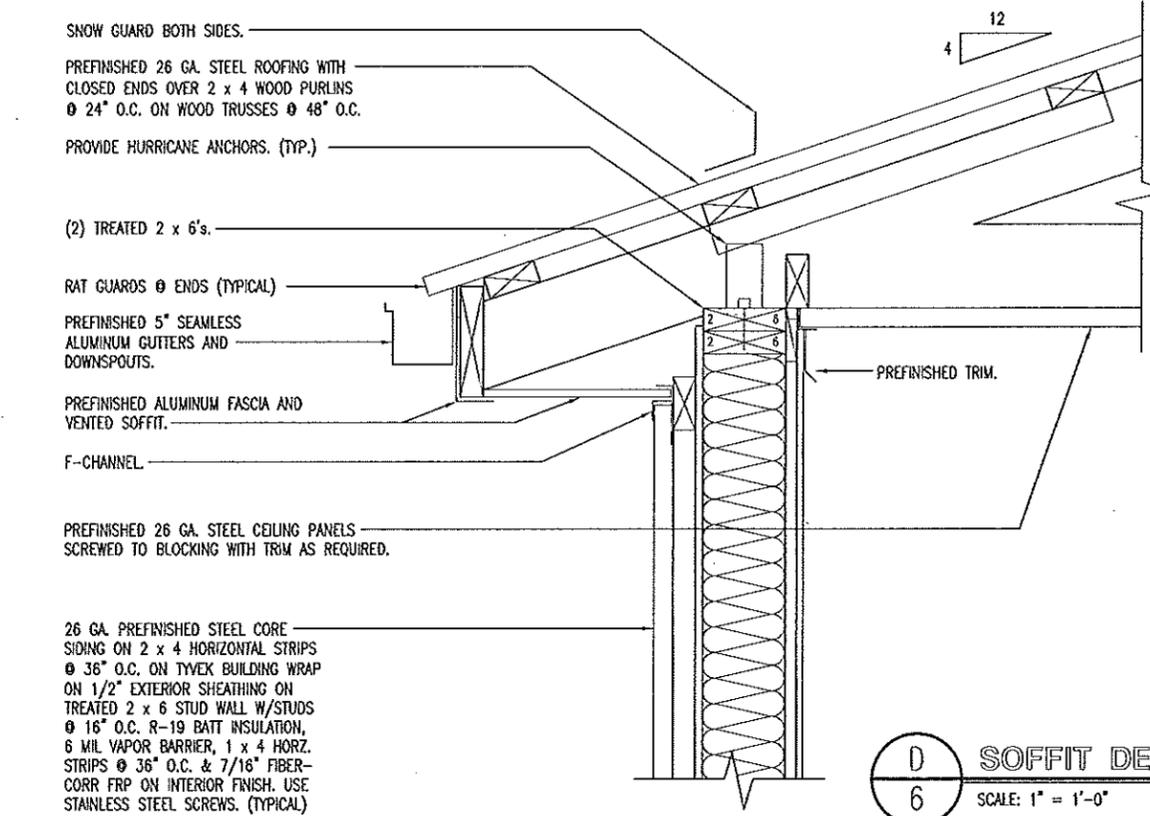
PREFINISHED ALUMINUM FASCIA AND VENTED SOFFIT.

F-CHANNEL.

PREFINISHED 26 GA. STEEL CEILING PANELS SCREWED TO BLOCKING WITH TRIM AS REQUIRED.

26 GA. PREFINISHED STEEL CORE SIDING ON 2 x 4 HORIZONTAL STRIPS @ 36" O.C. ON TYVEK BUILDING WRAP ON 1/2" EXTERIOR SHEATHING ON TREATED 2 x 6 STUD WALL W/STUDS @ 16" O.C. R-19 BATT INSULATION, 6 MIL VAPOR BARRIER, 1 x 4 HORIZ. STRIPS @ 36" O.C. & 7/16" FIBER-CORR FRP ON INTERIOR FINISH. USE STAINLESS STEEL SCREWS. (TYPICAL)

**D**  
6  
**SOFFIT DETAIL**  
SCALE: 1" = 1'-0"

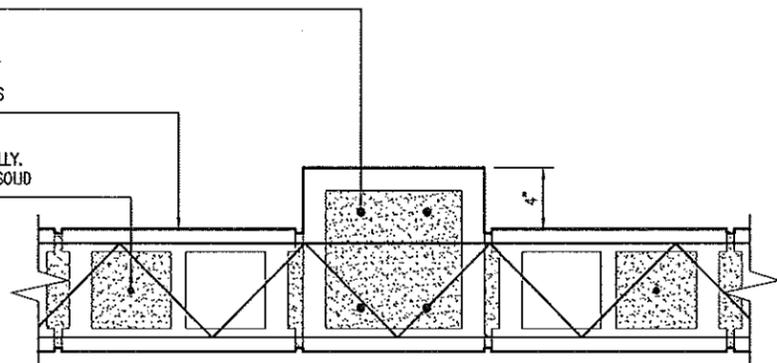


12" x 12" PILASTER BLOCK WITH (4) #5's CONTINUOUS VERTICALLY. EPOXY 12" INTO EXISTING FOUNDATION WALL. GROUT CELLS SOLID INTO TOP BOND BEAM. (TYPICAL)

8" STRUCTURAL CMU WITH HORIZONTAL JOINT REINFORCING @ 24" O.C. CMU WALLS TO BE SEALED ON BOTH SIDES (TYPICAL)

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

**A**  
6  
**PILASTER DETAIL**  
SCALE: 1" = 1'-0"

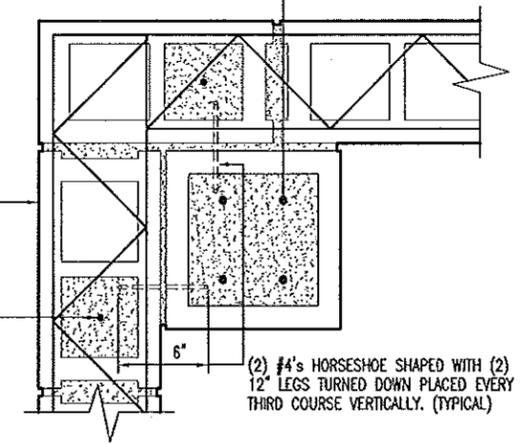


12" x 12" PILASTER BLOCK WITH (4) #5's CONTINUOUS VERTICALLY. EPOXY 12" INTO EXISTING FOUNDATION WALL. GROUT CELLS SOLID INTO TOP BOND BEAM. (TYPICAL)

8" STRUCTURAL CMU WITH HORIZONTAL JOINT REINFORCING @ 24" O.C. CMU WALLS TO BE SEALED ON BOTH SIDES (TYPICAL)

#4's CONTINUOUS @ 48" O.C. VERTICALLY. EPOXY 12" INTO EXISTING FOUNDATION WALL WITH GROUTED CELLS SOLID INTO BOND BEAM. (TYPICAL)

**B**  
6  
**CORNER PILASTER DETAIL**  
SCALE: 1" = 1'-0"



DOUGLAS A. RECORD  
ARCHITECT  
NUMBER A-2009032624  
9/20/12

**DETAILS**

MISSOURI DEPARTMENT OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
Truck Washes  
SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER  
CHECKED BY: DOUG RECORD  
DATE: 9-14-12  
Sheet  
6 of 11

WOOD TRUSSES @ 48" O.C.  
 PROVIDE HURRICANE ANCHORS. (TYP.)

PREFINISHED 26 GA. STEEL CEILING PANELS  
 WITH BLOCKING AND TRIM AS REQUIRED.

7/16 FIBER-CORR FRP ON 1 x 4'  
 HORIZONTAL STRIPS @ 36" O.C. OVER  
 6 MIL. VAPOR BARRIER BOTH SIDES.

TREATED 2 x 6 STUD WALL W/STUDS  
 @ 16" O.C. R-19 BATT INSULATION.

7/16 FIBER-CORR FRP ON 1 x 4'  
 HORIZONTAL STRIPS @ 36" O.C. OVER  
 6 MIL. VAPOR BARRIER BOTH SIDES.

TREATED 2 x 6 STUD WALL W/STUDS  
 @ 16" O.C. R-19 BATT INSULATION.  
 USE STAINLESS STEEL SCREWS. (TYP.)

WHITE ALUMINUM DRIP EDGE TRIM ON  
 BOTH SIDES.

12" LONG ANCHOR EPOXY INTO THE  
 GROUDED CELLS @ 48" O.C. (TYP.)

#4's CONTINUOUS AT 48" O.C. VERT.  
 GROUDED SOLID CELLS. EPOXY 6" INTO  
 EXISTING CONCRETE FLOOR.

8" STRUCTURAL CMU WITH  
 HORIZONTAL JOINT REINFORCING @  
 24" O.C. ALL CMU WALLS TO BE  
 SEALED WITH TWO COATS PER  
 SPECIFICATION SECTION 04300.  
 (TYPICAL)

PREFINISHED 26 GA. STEEL ROOFING  
 OVER CONTINUOUS 2 x 4 WOOD  
 PURLINS @ 24" O.C. ON WOOD  
 TRUSSES @ 48" O.C. CONTINUOUS  
 VENTED RIDGE CAP NOT SHOWN.

PREFINISHED TRIM OVER CONTINUOUS  
 2 x 6 GABLE END EAVE. TRIM TO  
 HAVE DRIP EDGE ABOVE STEEL SIDING.  
 (TYPICAL)

R-30 BATT INSULATION.

PREFINISHED 26 GA. STEEL CEILING PANELS  
 SCREWED TO BLOCKING WITH TRIM AS REQUIRED.

ENDWALL TRUSS.

TREATED 2 x 6 STUD WALL W/STUDS  
 @ 16" O.C. R-19 BATT INSULATION,  
 6 MIL VAPOR BARRIER 1/2" TREATED  
 SHEATHING ON INTERIOR.

26 GA. PREFINISHED STEEL CORE  
 SIDING ON ON TYEAK BUILDING WRAP  
 ON 1/2" EXTERIOR SHEATHING.

BOX BEAM:  
 3/4" TREATED PLYWOOD ALL SIDES  
 OVER (3) 2 x 12's WITH CONTINUOUS  
 2 x 4 BLOCKING IN BETWEEN. USE  
 STAINLESS STEEL SCREWS THROUGH  
 PLYWOOD INTO 2 x 12's @ 4" O.C.  
 EACH WAY. MINIMUM BEARING 8" BOTH  
 SIDES OF DOOR WIDTH. ANCHOR BOLT  
 12" INTO GROUDED SOLID CMU AT  
 JAMB.

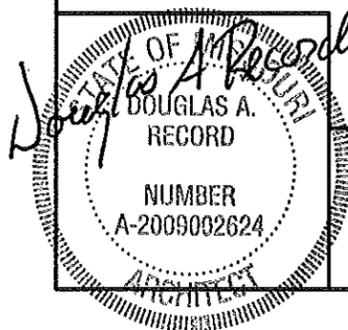
26 GA. PREFINISHED STEEL DRIP TRIM.

26 GA. PREFINISHED STEEL HEAD TRIM.

CENTER  
**A**  
**WALL DETAIL**  
 7  
 SCALE: 1" = 1'-0"

CMU @ CENTER  
**B**  
**WALL DETAIL**  
 7  
 SCALE: 1" = 1'-0"

CEILING  
**C**  
**DOOR HEAD**  
 7  
 SCALE: 1" = 1'-0"



**DETAILS**

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
 Truck Washes  
 SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER  
 CHECKED BY: DOUG RECORD  
 DATE: 9-14-12  
 Sheet

PREFINISHED 26 GA. STEEL ROOFING OVER CONTINUOUS 2 x 4 WOOD PURLINS @ 24" O.C. ON WOOD TRUSSES @ 48" O.C. CONTINUOUS VENTED RIDGE CAP NOT SHOWN.

PREFINISHED TRIM OVER CONTINUOUS 2 x 6 GABLE END EAVE. TRIM TO HAVE DRIP EDGE ABOVE STEEL SIDING. (TYPICAL)

R-30 BATT INSULATION.

PREFINISHED 26 GA. STEEL CEILING PANELS SCREWED TO BLOCKING WITH TRIM AS REQUIRED.

ENDWALL TRUSS.

TREATED 2 x 6 STUD WALL W/STUDS @ 16" O.C. R-19 BATT INSULATION, 6 MIL VAPOR BARRIER 3/4" TREATED SHEATHING ABOVE THE BOX BEAM.

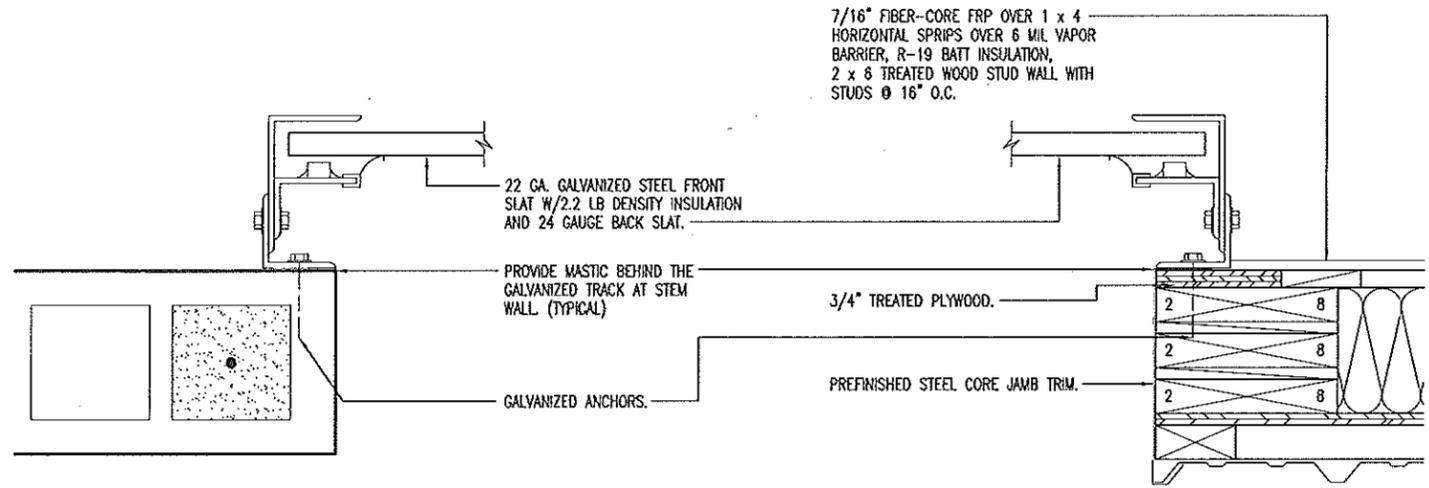
26 GA. PREFINISHED STEEL CORE SIDING ON 2 x 4 HORIZONTAL STRIPS @ 36" O.C. ON TYVEK BUILDING WRAP ON 1/2" EXTERIOR SHEATHING.

BOX BEAM:  
3/4" TREATED PLYWOOD ALL SIDES OVER (3) 2 x 12's WITH 1/4" PLYWOOD BLOCKING IN BETWEEN. USE STAINLESS STEEL SCREWS THROUGH PLYWOOD INTO 2 x 12's @ 4" O.C. EACH WAY. MINIMUM BEARING 8" BOTH SIDES OF DOOR WIDTH. ANCHOR BOLT TO TOP OF DOUBLE PLATE AT STUD WALL AT JAMBS.

26 GA. PREFINISHED STEEL DRIP TRIM.

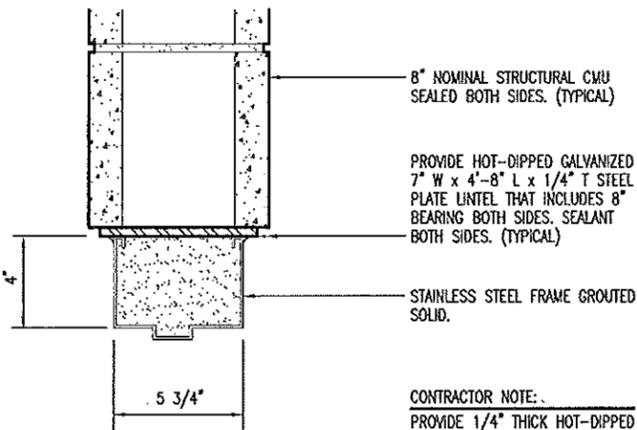
26 GA. PREFINISHED STEEL HEAD AND JAMB TRIM.

**A** COILING DOOR HEAD  
8 SCALE: 1" = 1'-0"

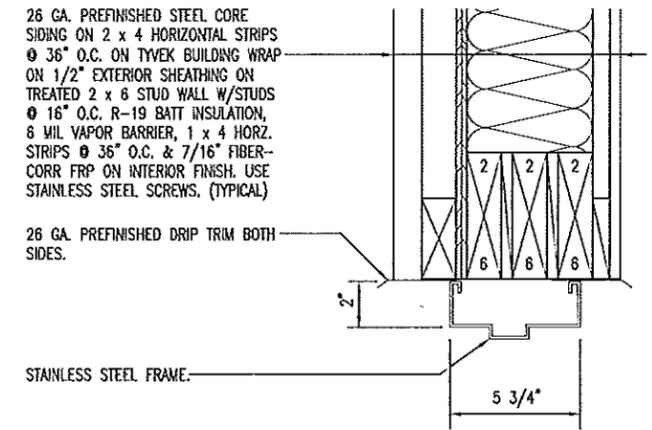


**D** COILING GARAGE DOOR JAMB  
8 SCALE: 1-1/2" = 1'-0"

**E** COILING GARAGE DOOR JAMB  
8 SCALE: 1-1/2" = 1'-0"



**B** JAMB SIMILAR DOOR HEAD  
8 SCALE: 1-1/2" = 1'-0"



**C** JAMB SIMILAR -- CONCRETE FOUNDATION & FRAME DOOR HEAD  
8 SCALE: 1-1/2" = 1'-0"

CONTRACTOR NOTE:  
PROVIDE 1/4" THICK HOT-DIPPED GALVANIZED STEEL LINTEL OVER EACH EXHAUST FAN OPENING(S) WITH 8" BEARING BOTH SIDES. (TYPICAL)

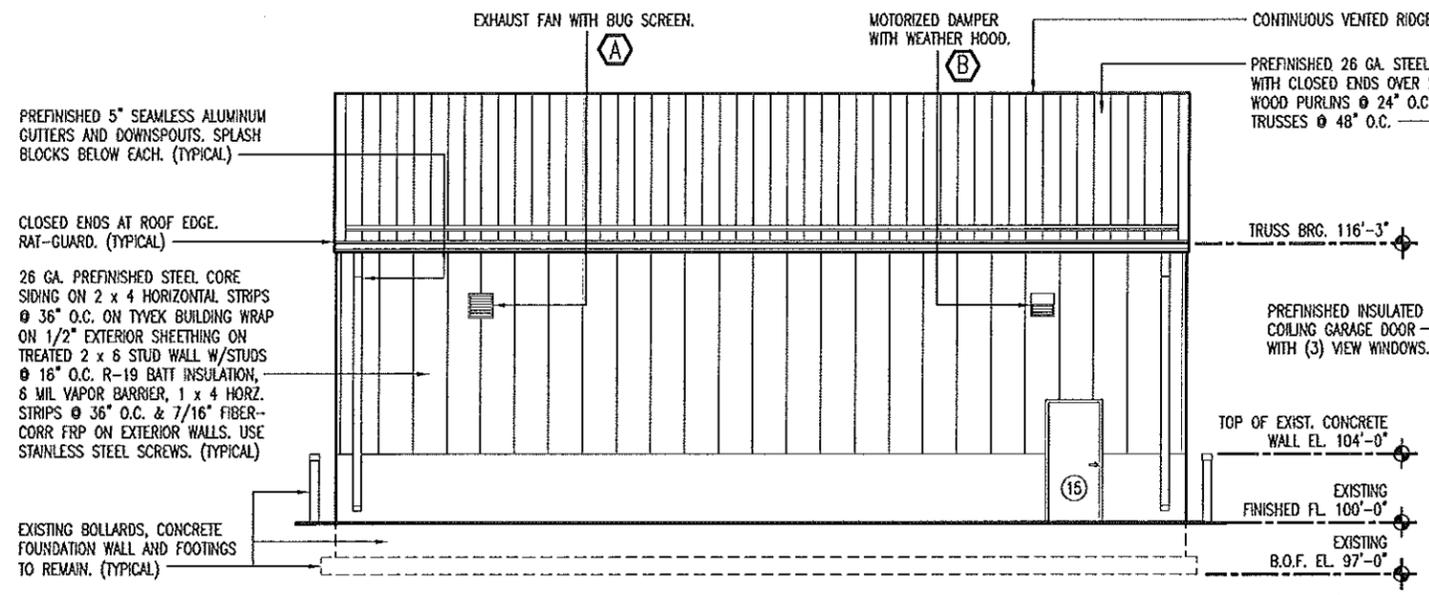


DETAILS

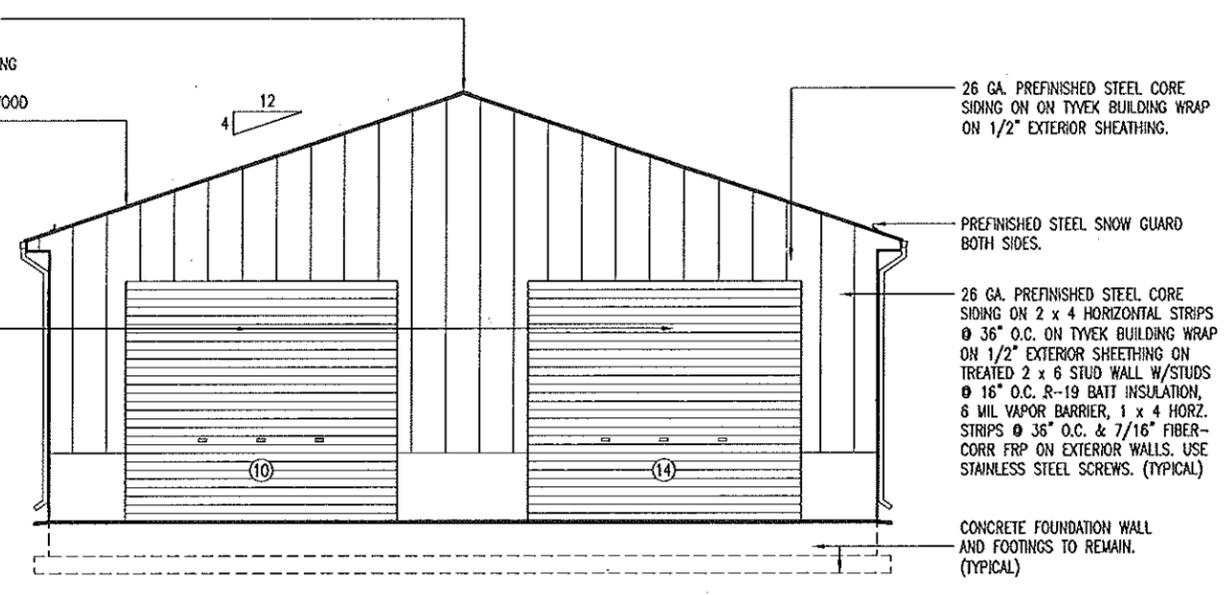
MISSOURI DEPARTMENT OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES FACILITIES MANAGEMENT

Mt. Vernon & Nevada Truck Washes  
SOUTHWEST DISTRICT

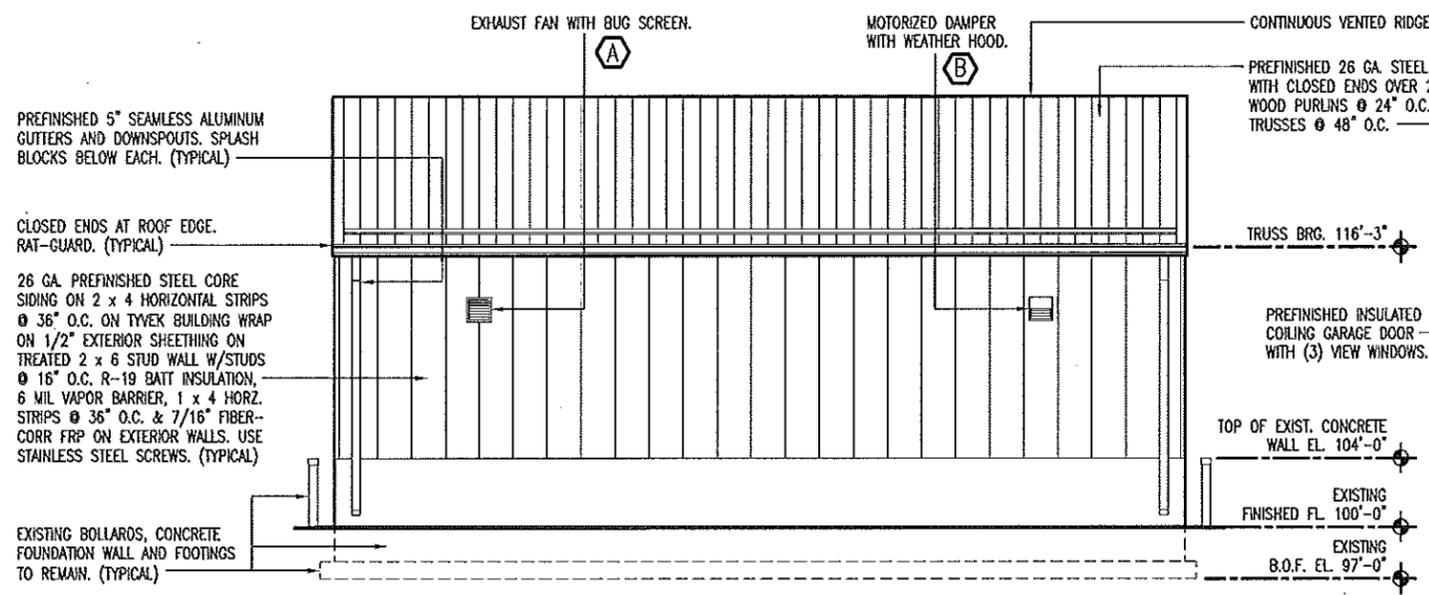
DRAWN BY: LARRY CARYER  
CHECKED BY: DOUG RECORD  
DATE: 9-14-12  
Sheet 8 of 11



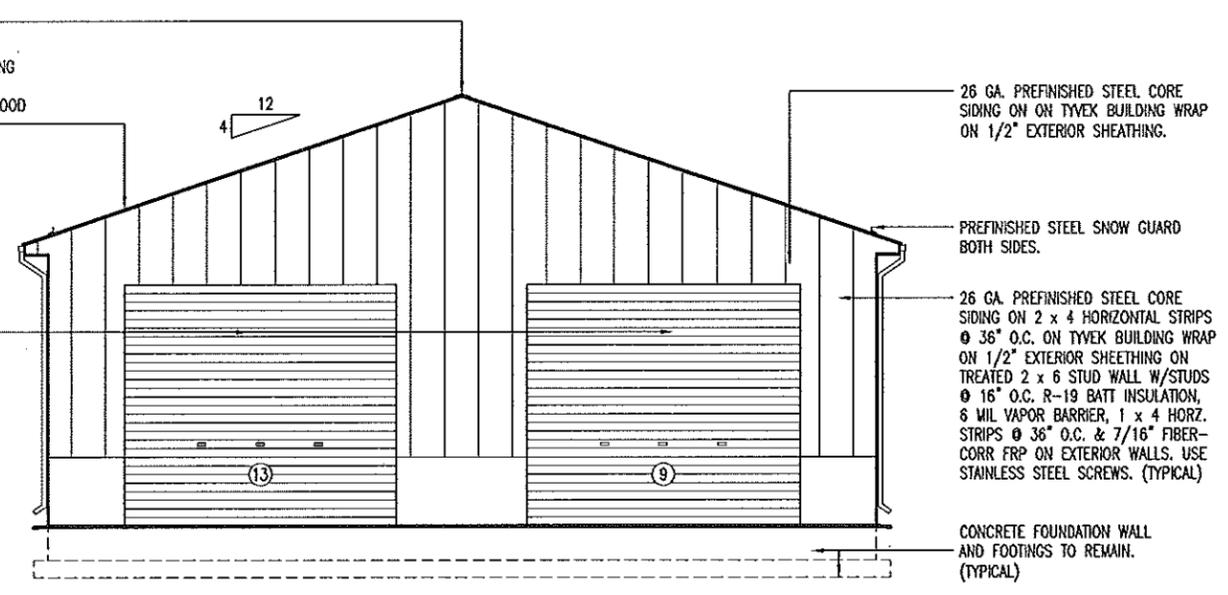
**C NEVADA NORTH ELEVATION**  
 10 SCALE: 3/32" = 1'-0"



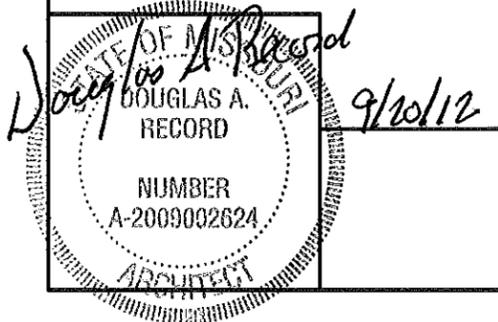
**D NEVADA EAST ELEVATION**  
 10 SCALE: 3/32" = 1'-0"



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



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



# NEVADA ELEVATIONS

MISSOURI DEPARTMENT  
 OF TRANSPORTATION  
 DIVISION OF GENERAL SERVICES  
 FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
 Truck Washes  
 SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER
CHECKED BY: DOUG RECORD
DATE: 9-14-12
Sheet
10 of 11

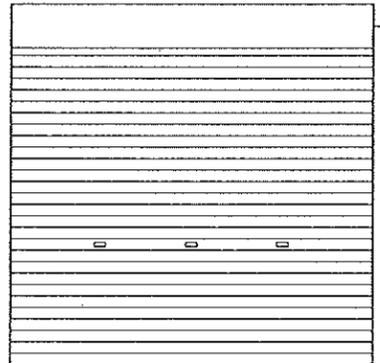
### DOOR SCHEDULE

NO.	SIZE	SWING	DR. TYPE	FRM. TYPE	DETAIL	FRM. DEPTH	HDWR. GRP.
1	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	B-8	5-3/4"	1
2	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
3	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
4	3'-0" x 7'-0" x 1-3/4"	RHR	A	II	B-8	5-3/4"	2
5	3'-0" x 7'-0" x 1-3/4"	LHR	A	II	B-8	5-3/4"	2
6	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
7	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
8	3'-0" x 7'-0" x 1-3/4"	RHR	A	II	B-8	5-3/4"	1
9	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
10	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
11	3'-0" x 7'-0" x 1-3/4"	RHR	A	I	A-11	5-3/4"	2
12	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	A-11	5-3/4"	2
13	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
14	16'-0" x 14'-0" x 2"	--	B	--	--	--	--
15	3'-0" x 7'-0" x 1-3/4"	LHR	A	I	C-8	5-3/4"	1

Disregard doors  
1-8 on Door  
Schedule.

EXTERIOR INSULATED STAINLESS STEEL DOOR. INCLUDE REINFORCEMENT FOR DOOR CLOSER AND TOP FILLER CHANNEL.

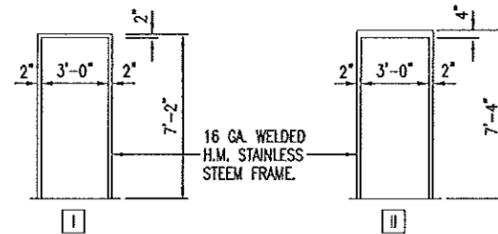
(A)



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

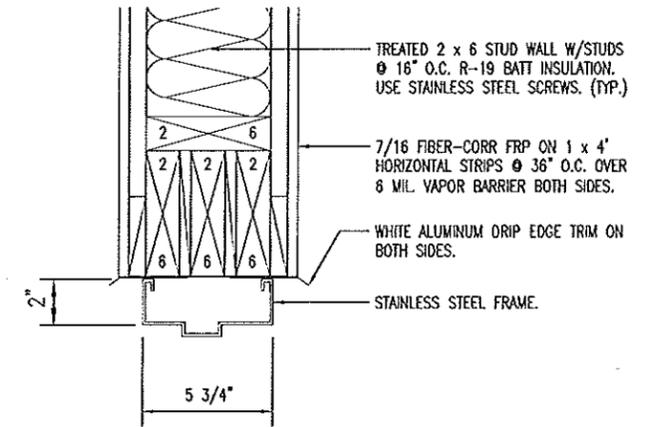
16'-0" x 14'-0" x 2" PREFINISHED INSULATED COILING GARAGE DOOR WITH (3) VIEW WINDOWS WHITE BAKED ON POLYESTER TOP COAT PAINT BOTH SIDES. (TYPICAL)

(B)



(I)

(II)

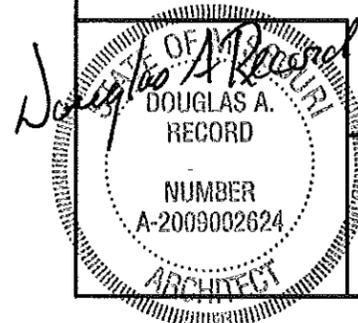


JAMB SIMILAR - 8" CMU & FRAME.  
**A**  
**11**  
SCALE: 1-1/2" = 1'-0"

### HVAC SCHEDULE

SYM.	UNIT	MANUFACTURER	BTU OUTPUT	FUEL	VOLTAGE	REMARKS
(A)	16" DIA. CORROSION RESISTANT SHUTTER FAN	DAYTON 1BLJ1 OSHA GUARD OR EQUAL	2,005 CFM	ELECTRIC	115	FIBERGLASS SHUTTER & BLADES. 2.1 AMPS. PROVIDE 16" x 16" x WALL DEPTH STAINLESS STEEL WALL SLEEVE THAT HAS MITERED INSIDE CORNERS. (VERIFY WALL SLEEVE SIZE)
(B)	MOTORIZED DAMPER WITH WEATHERHOOD	DAYTON MODEL 4C560 OR EQUAL 60 HERTZ	--	ELECTRIC	115	16" CENTER-PIVOTING, 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. PROVIDE 16" x 16" x WALL DEPTH STAINLESS STEEL WALL SLEEVE THAT HAS MITERED INSIDE CORNERS. (VERIFY WALL SLEEVE SIZE)

GENERAL CONTRACTOR TO PROVIDE AND INSTALL FAN AND MOTORIZED DAMPER IN THIS CONTRACT. MODOT TO PROVIDE ELECTRICIAN.



9/20/12

## SCHEDULES

MISSOURI DEPARTMENT  
OF TRANSPORTATION  
DIVISION OF GENERAL SERVICES  
FACILITIES MANAGEMENT

Mt. Vernon & Nevada  
Truck Washes  
SOUTHWEST DISTRICT

DRAWN BY: LARRY CARVER  
CHECKED BY: DOUG RECORD  
DATE: 9-14-12  
Sheet  
11 of 11