## INDEX OF DRAWINGS



## CODE REQUIREMENTS

BUILDING CODE – IBC 2003

# MISSOURI DEPARTMENT OF TRANSPORTATION

## DISTRICT 6 - STORAGE BUILDINGS

## Weldon Springs, Missouri (St. Charles County)
## Cedar Hill, Missouri (Jefferson County)
## Festus, Missouri (Jefferson County)

## ALTERNATE CONDITIONS:

THE VARYING MAKEUP OF SOILS AND OCCURRENCE OF ROCK IN MANY MODOT DISTRICTS MAY REQUIRE CONSIDERABLE REDESIGN OF THE POST PLACEMENT BELOW GRADE FROM THAT SHOWN IN THESE DRAWINGS. THE BIDDER WILL BE RESPONSIBLE FOR OBTAINING ACCURATE INFORMATION FROM THE DISTRICTS FACILITIES MANAGER (I.E. DRILLINGS OR BORINGS INFORMATION 5'-0" DEEP AT EACH BUILDING CORNER AND AT LEAST ONE INTERMEDIATE SAMPLE TO THIS DEPTH ON THE LONG SIDES OF THE PROPOSED STRUCTURE) SO THAT THE BID WILL REFLECT ANY FOUNDATION REQUIREMENTS BEYOND THOSE SHOWN HERE. INFORMATION COULD INCLUDE PREVIOUS EXCAVATIONS THAT VERIFY FOOTING CONDITIONS THAT WILL BE ENCOUNTERED BY THIS CONTRACTOR.

PRE-ENGINEERED POLE STRUCTURE

## REQUIRED BUILDING ELEMENTS:

2 x 6 WALL GIRTS – #2 SYP OR EQUAL.

FINISH COAT ON 29 GAUGE METAL SIDING TO BE FLOUROPOLYMER (KYNAR 500 OR EQUAL. POLYESTER IS NOT ACCEPTABLE.

CONNECTION OF ROOF TRUSS TO POST OR HEADER TO BE EQUAL TO SIMPSON TIE #HD-1 OR HD2A.

POSTS TO BE A MINIMUM OF 4'-0" BELOW GRADE IN COMPACTED SOIL.

PRE-ENGINEERED POLE STRUCTURE

## FABRICATOR NOTES:

THESE DRAWINGS ARE FURNISHED AS A GUIDE TO BIDDERS IN SUBMITTING COMPLETE DETAILED DRAWINGS OF THEIR PROPOSED STRUCTURE TO BE SEALED BY AN ARCHITECT/ENGINEER. WHERE "AS REQUIRED" IS USED THE BIDDER MUST FURNISH A DETAILED DESCRIPTION OF THE BUILDING ELEMENT TO BE FURNISHED.

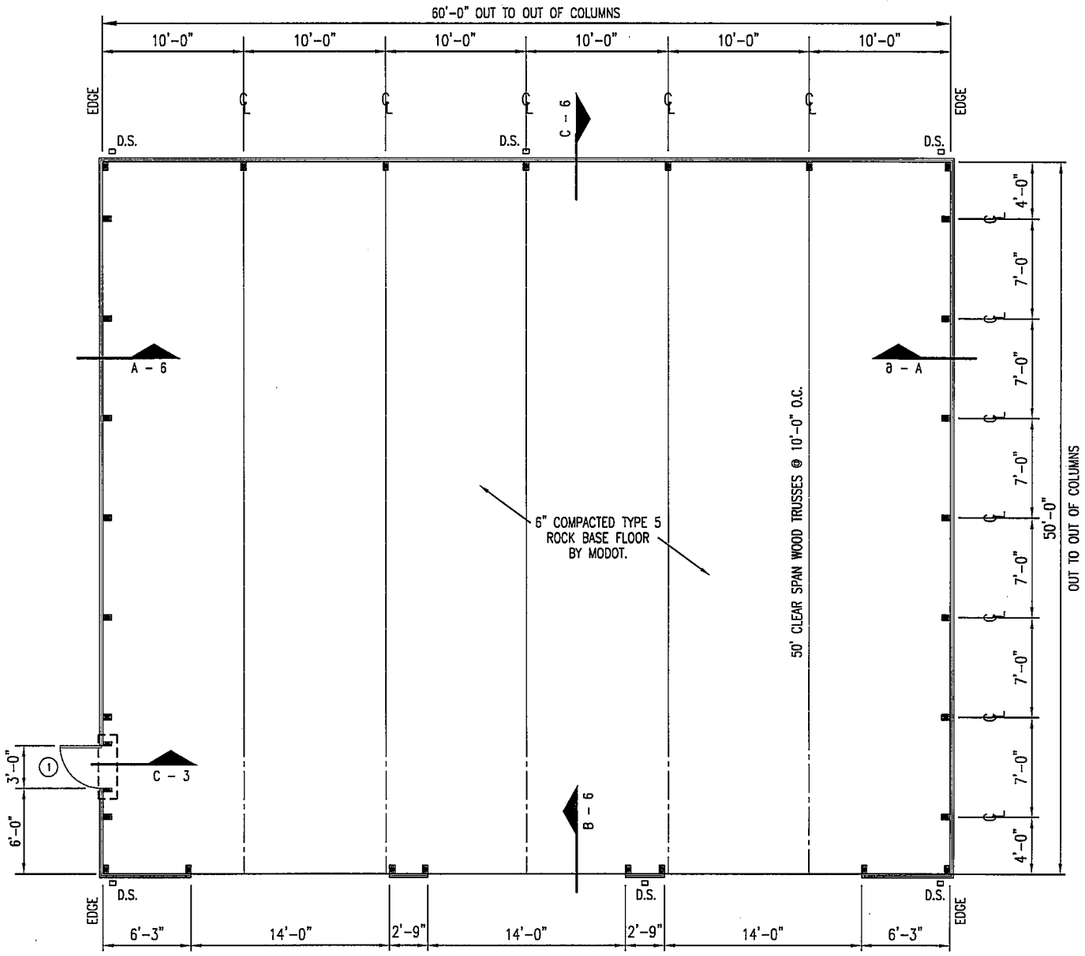
STATE OF MISSOURI
JERROLD GRANT SCARLETT
NUMBER A-5107
REGISTERED ARCHITECT
10/14/09

DISTRICT 6 - VARIOUS SITES
STORAGE BUILDING

MISSOURI DEPARTMENT
OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

COVER SHEET

DESIGN BY: DOUG RECORD
DRAWN BY: LARRY CARVER
DATE: 10-14-09
CHECK BY: JERROLD SCARLETT
SHEET 1 OF 6




A/2 FLOOR PLAN

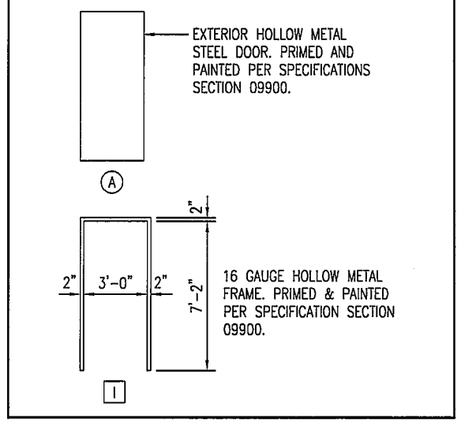
SCALE: 3/32" = 1'-0"

## DOOR SCHEDULE

| NO. | SIZE | SWING | DR. TYPE | FRM. TYPE | DETAIL | DEPTH | HDWR. GRP. |
|---|---|---|---|---|---|---|---|
| 1 | 3'-0" x 7'-0" x 1-3/4" | LHR | A | I | D - 3 | 6-1/2" | * |

* EQUAL TO STANLEY 1-1/2 PR. HINGES, FBB179 4 1/2 x 4 1/2 US26D + EQUAL TO BEST STOREROOM LOCKSET 93K-7-D-15D-SJ-626 US26D, PROVIDE SILENCERS AS REQUIRED.

## DOOR & FRAME TYPES




STATE OF MISSOURI
JERROLD GRANT SCARLETT
NUMBER A2101
REGISTERED ARCHITECT
10/14/09

# DISTRICT 6 - VARIOUS SITES STORAGE BUILDING

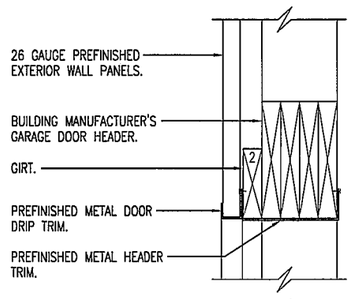
MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

FLOOR PLAN

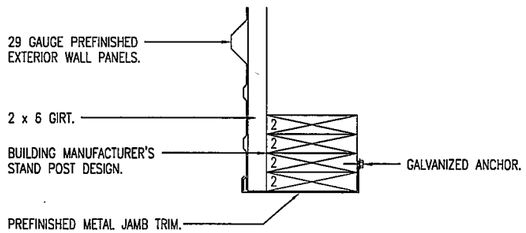
DESIGN BY: DOUG RECORD
DRAWN BY: LARRY CARVER
DATE: 10-14-09
CHECK BY: JERROLD SCARLETT
SHEET 2 OF 6

## CONCRETE NOTES

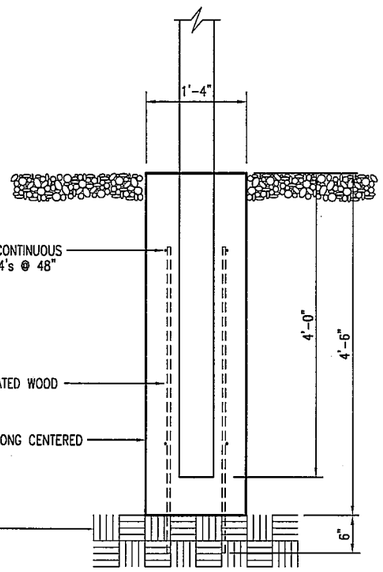
1. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
2. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER 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 3,500 PSI @ 28 DAYS WITH 4" TO 5" SLUMP.
5. GRADE BEAMS AND FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL.
6. DEFORMED STEEL REINFORCING BARS SHALL BE: #4 AND LARGER, ASTM A615 GRADE 60. AS/IF REQUIRED.
7. SEE SPECIFICATION SECTION 03300 CONCRETE FOR ADDITIONAL INFORMATION.



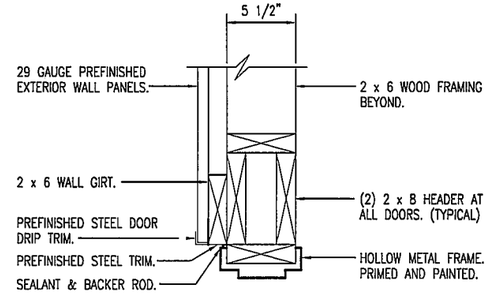

A/3 GARAGE DOOR HEAD
SCALE: 1" = 1'-0"




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




C/3 GRADE BEAM AND MAN DOOR THRESHOLD FOUNDATION DETAIL
SCALE: 1/2" = 1'-0"




D/3 DOOR HEADER/JAMB
SCALE: 1" = 1'-0"

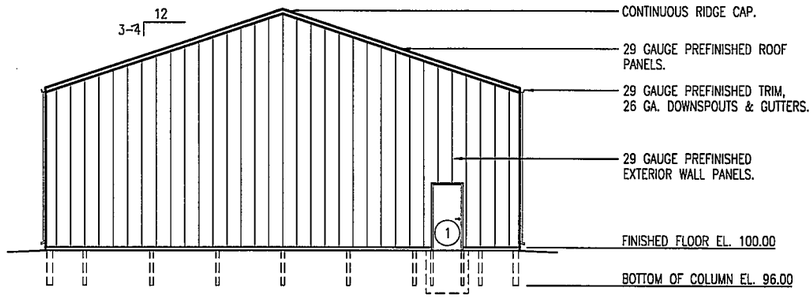
STATE OF MISSOURI
JERROLD GRANT SCARLETT
NUMBER A-2101
REGISTERED ARCHITECT
12-4-09

# DISTRICT 6 - VARIOUS SITES STORAGE BUILDING

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

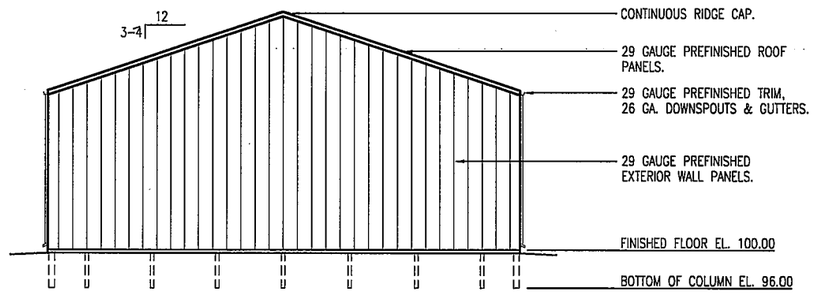
DETAILS

| | |
|---|---|
| DESIGN BY: | DOUG RECORD |
| DRAWN BY: | LARRY CARVER |
| DATE: | 10-14-09 |
| CHECK BY: | JERROLD SCARLETT |
| SHEET | 3 OF 6 |




C/4 LEFT ELEVATION

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



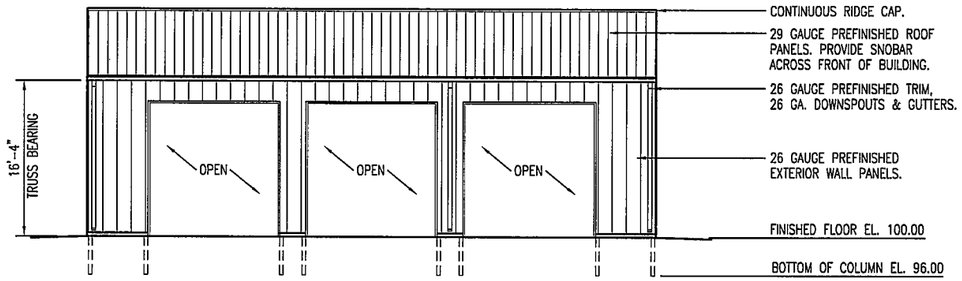

D/4 RIGHT ELEVATION

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



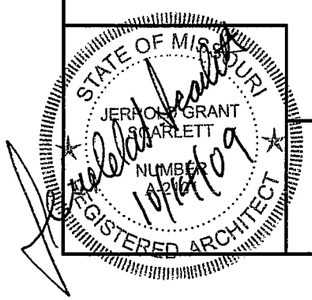

B/4 REAR ELEVATION

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




A/4 FRONT ELEVATION

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

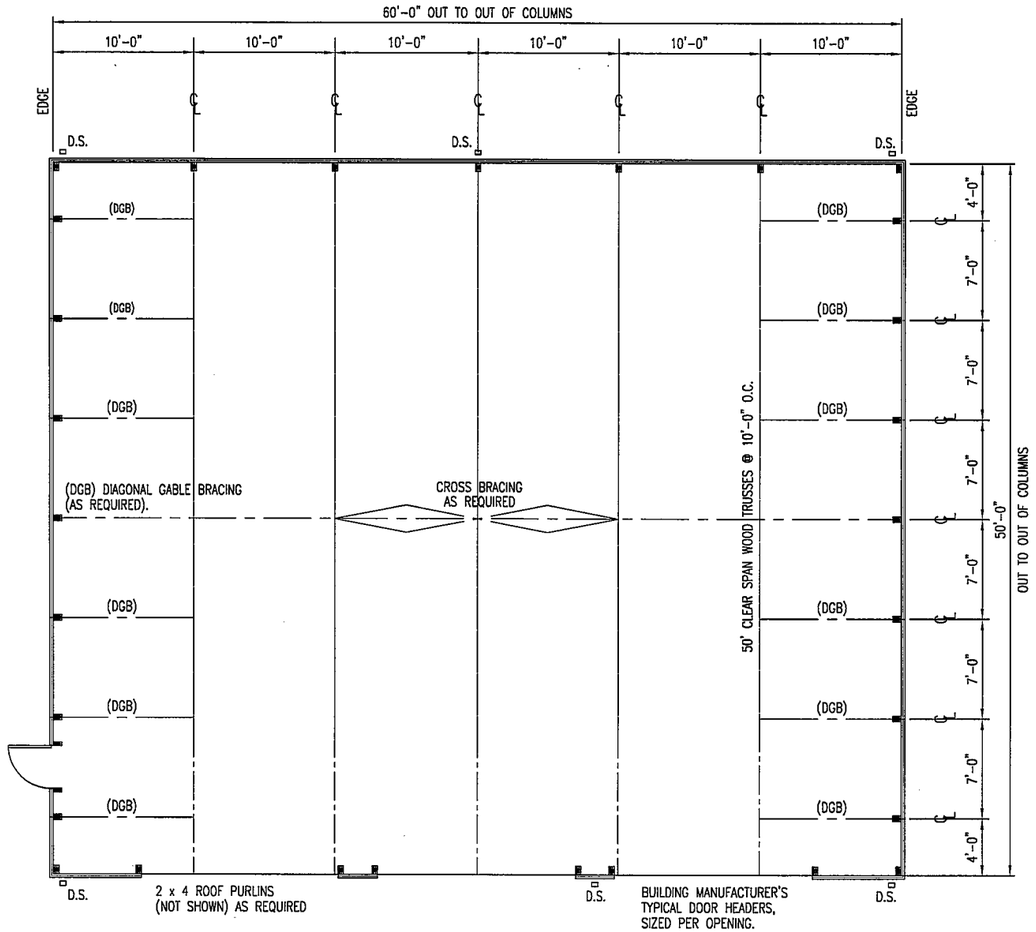



# DISTRICT 6 - VARIOUS SITES STORAGE BUILDING

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

# ELEVATIONS

DESIGN BY: DOUG RECORD
DRAWN BY: LARRY CARVER
DATE: 10-14-09
CHECK BY: JERROLD SCARLETT
SHEET 4 OF 6




A/5 ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"

## ROOF FRAMING NOTES

1. DESIGN LOADING FOR ROOF TRUSSES SHALL MEET THE FOLLOWING CRITERIA:

| | |
|---|---|
| ROOF LIVE LOAD | 20 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 | 10'-0" O.C. |

2. TRUSS DESIGN SUBMITTALS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MISSOURI.

3. 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 #H1 ANCHORS.

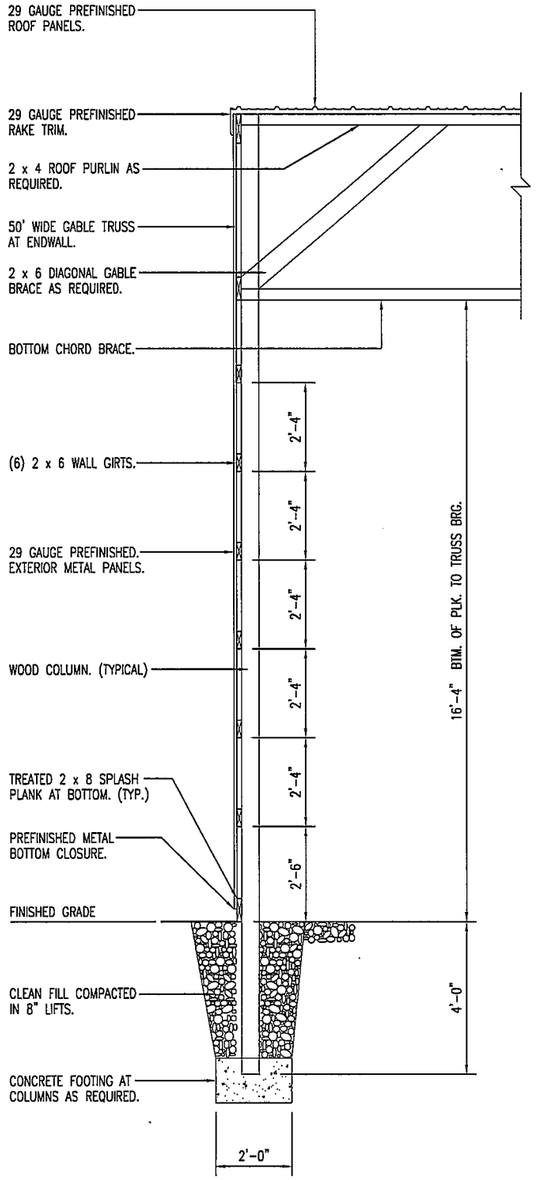
STATE OF MISSOURI
JERROLD GRANT SCARLETT
NUMBER A-2101
REGISTERED ARCHITECT

DISTRICT 6 - VARIOUS SITES
STORAGE BUILDING

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

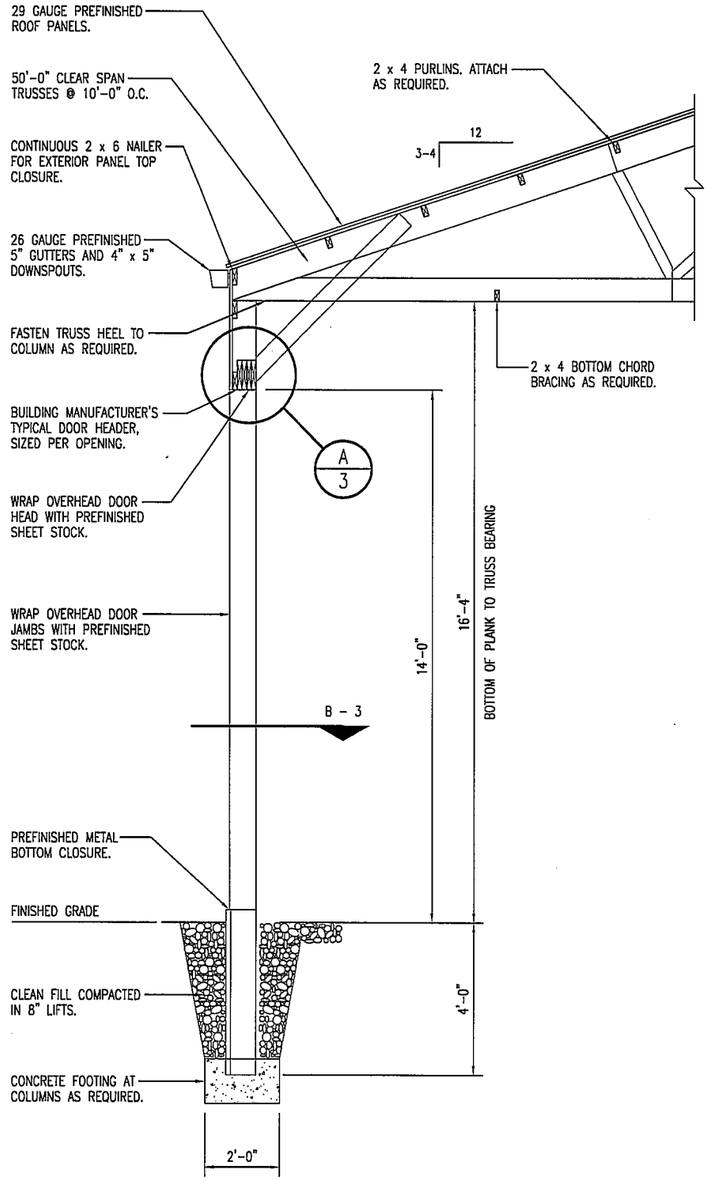
ROOF FRAMING PLAN

DESIGN BY: DOUG RECORD
DRAWN BY: LARRY CARVER
DATE: 10-14-09
CHECK BY: JERROLD SCARLETT
SHEET 5 OF 6



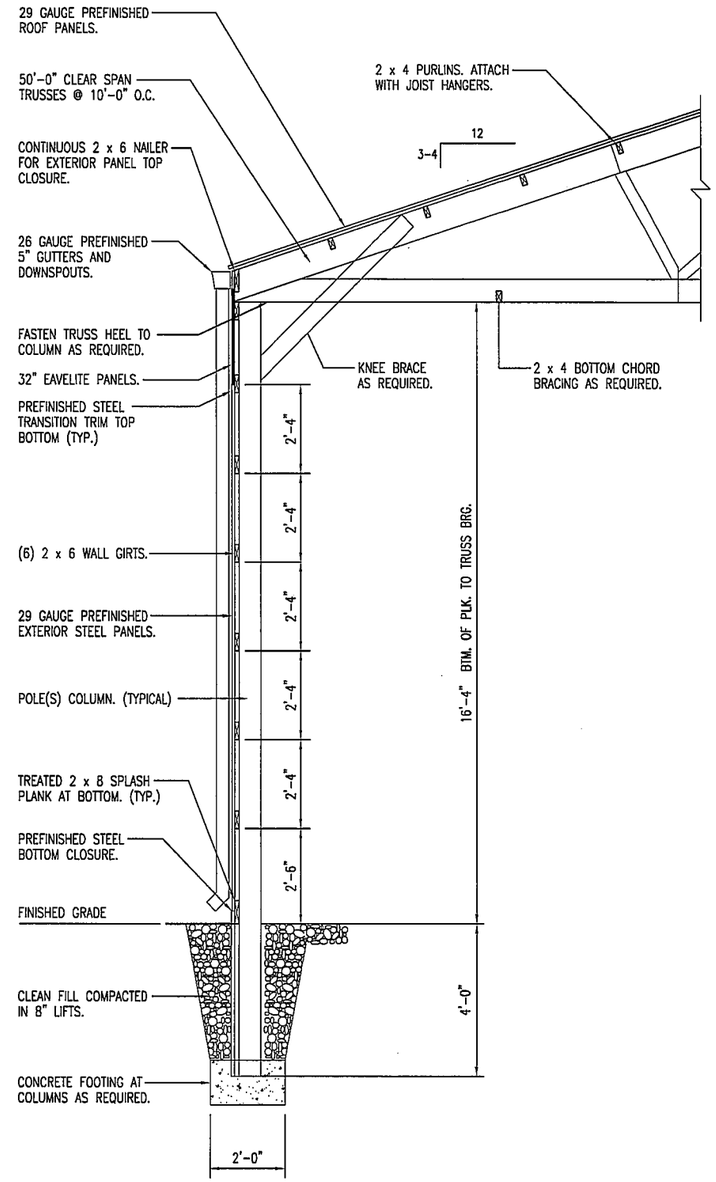

A/6 ENDWALL SECTION

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




B/6 OVERHEAD DOOR SECTION

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




C/6 SIDEWALL SECTION

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

STATE OF MISSOURI
JERROLD GRANT SCARLETT
NUMBER A-7401
REGISTERED ARCHITECT

# DISTRICT 6 - VARIOUS SITES STORAGE BUILDING

MISSOURI DEPARTMENT OF TRANSPORTATION
GENERAL SERVICES
FACILITIES MANAGEMENT

## WALL SECTIONS

DESIGN BY: DOUG RECORD
DRAWN BY: LARRY CARVER
DATE: 10-14-09
CHECK BY: JERROLD SCARLETT
SHEET 6 OF 6