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CODE REQUIREMENTS

BUILDING CODE - CURRENT IBC

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.

MISSOURI DEPARTMENT OF TRANSPORTATION

150' x 50' POLE BARN
22447 Highway 19, Center, Missouri 63436
NORTHEAST DISTRICT
Ralls County

REQUIRED BUILDING ELEMENTS:

2 x 6 WALL GIRTS - #2 SYP OR EQUAL.

FINISH COAT ON 26 GAUGE METAL SIDING TO BE FLOUROPOLYMER (KYNAR 500) OR EQUAL. POLYESTER IS NOT ACCEPTABLE.

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

FABRICATOR NOTES:

THESE DRAWINGS ARE FURNISHED AS A GUIDE TO BIDDERS IN SUBMITTING THE COMPLETE PACKAGE OF 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.

COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION

DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

Center 150' x 50' Pole Barn
22447 Highway 19, Center, MO
Northeast District - Ralls County

DESIGN BY: LARRY CARVER

DRAWN BY: LARRY CARVER

DATE: 6-20-14

Sheet

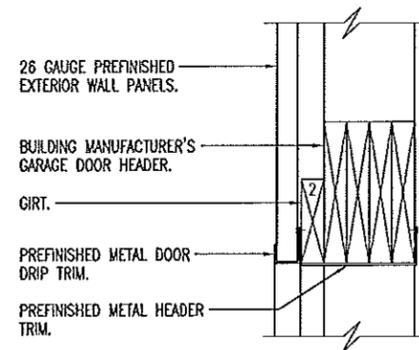
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CONCRETE NOTES

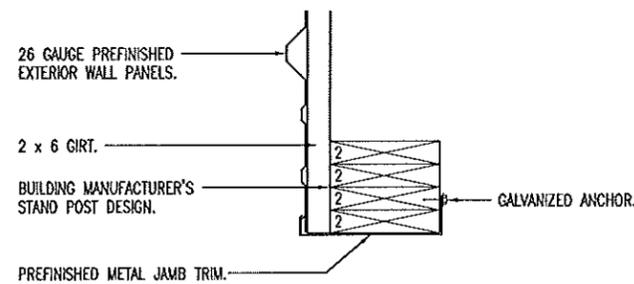
1. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
2. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER 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. MODOT TO STAKE CORNERS ON LEVEL SITE.

CONTRACTOR NOTES

1. MODOT TO STAKE FOUR CORNERS OF BUILDING ON LEVEL SITE.
2. CONTRACTOR TO SLOPE FINISHED GRADE TO DRAIN AWAY FROM BUILDING ON THE FOUR SIDES WITH LIKE MATERIALS.



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



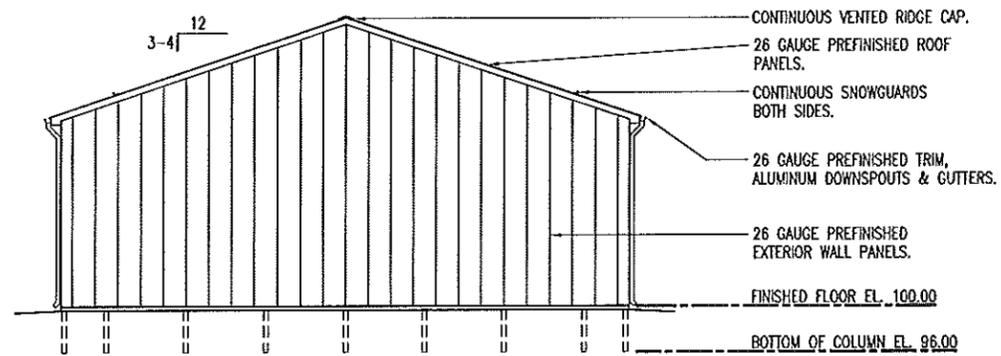
B GARAGE DOOR JAMB
3 SCALE: 1" = 1'-0"

DETAILS

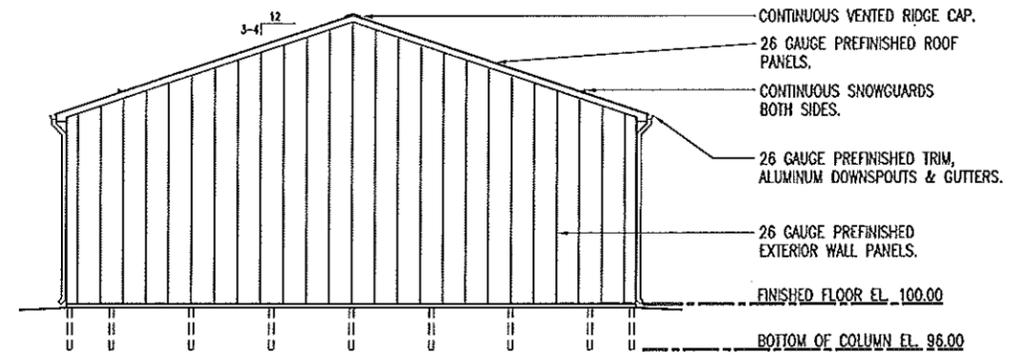
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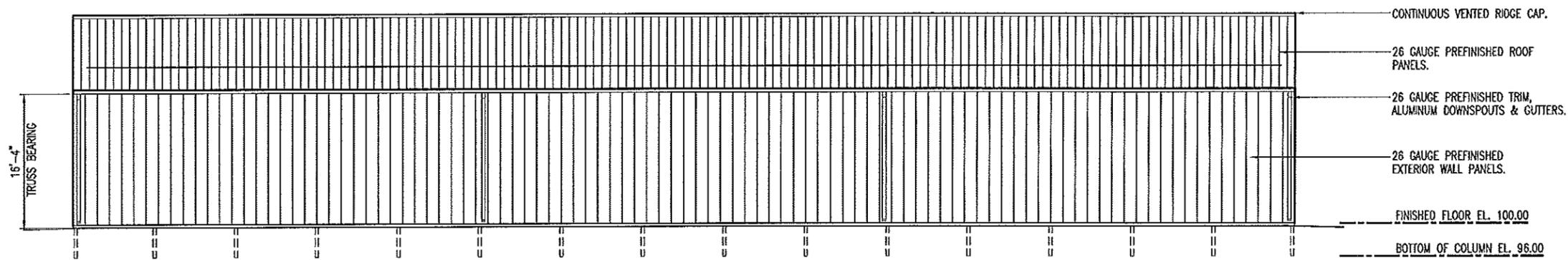
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3 of 6



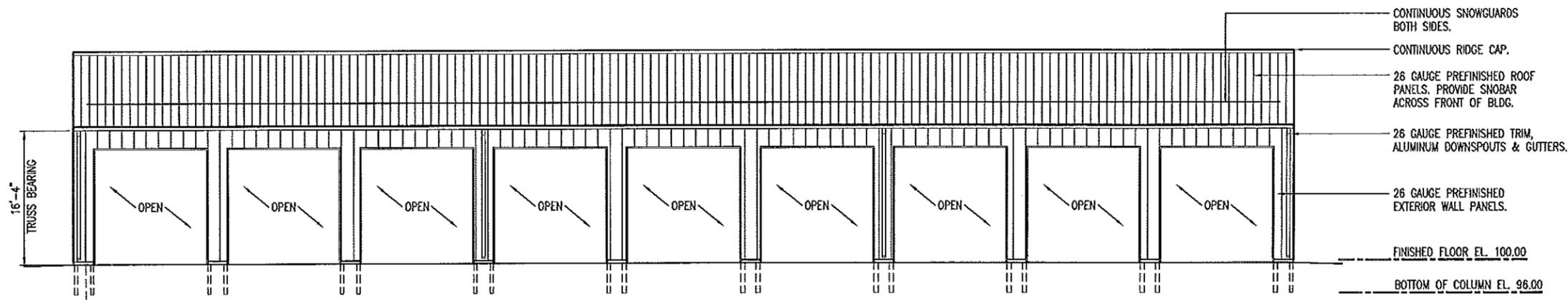
C LEFT ELEVATION
 SCALE: 1/16" = 1'-0"



D RIGHT ELEVATION
 SCALE: 1/16" = 1'-0"



B REAR ELEVATION
 SCALE: 1/16" = 1'-0"



A FRONT ELEVATION
 SCALE: 1/16" = 1'-0"

ELEVATIONS

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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 CHORD DEAD LOAD	5 PSF
EARTHQUAKE	ZONE 1, LATEST EDITION IBC
WIND	90 MPH, EXPOSURE B
DEFLECTION	L/360
SPACING	AS REQUIRED.

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

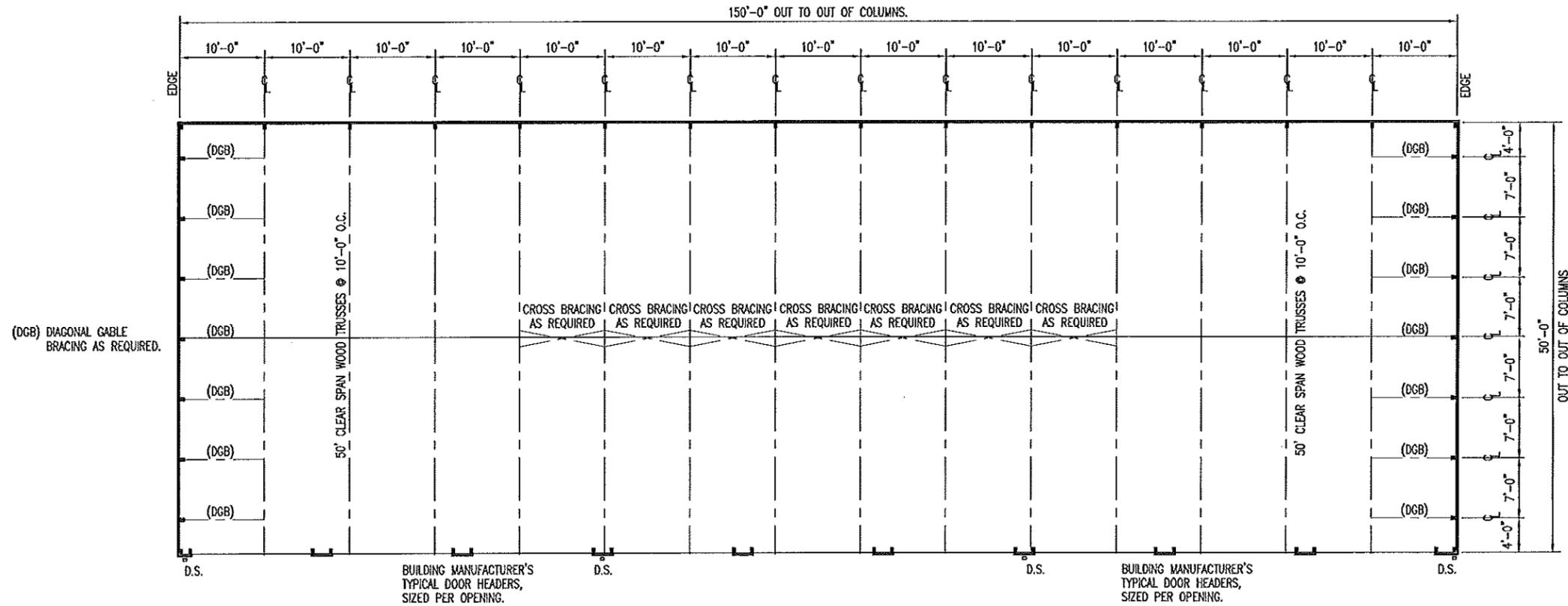
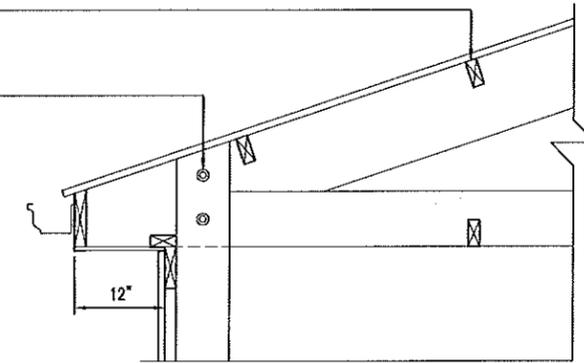
3. ROOF TRUSSES AND BOTTOM CHORDS 2x's SHALL BE ANCHORED TO THE TOP PLATE OF INTERIOR LOAD BEARING WALLS WITH SEISMIC AND HURRICANE ANCHORS EQUAL TO SIMPSON STRONG TIE #H1 ANCHORS AS REQUIRED.

4. ROOF TRUSSES TO BE EACH CENTERED IN A POCKET WHICH IS THE DEPTH OF THE BOTTOM CHORD, MINIMUM, ON THE BACK WALL LAMINATED 2x POST(S) THAT ARE 10'-0" O.C. (TYPICAL) SEE DETAIL B-5.

2 x 4 PURLINS, ATTACH WITH SIMPSON STRONG-TIE LUS24Z. (TYPICAL)

TRUSS SECURED IN COLUMN POCKET WITH (2) 1/2" x 5-1/2" M BOLTS & (8) 16d THS NAILS. TRUSS SITS IN CENTER OF (3) LAMINATED 2 x 6's. (8) 16d THS NAILS. TYPICAL AT BOTH ENDS OF TRUSS.

B
5 TRUSS POCKET
SCALE: 1/2" = 1'-0"



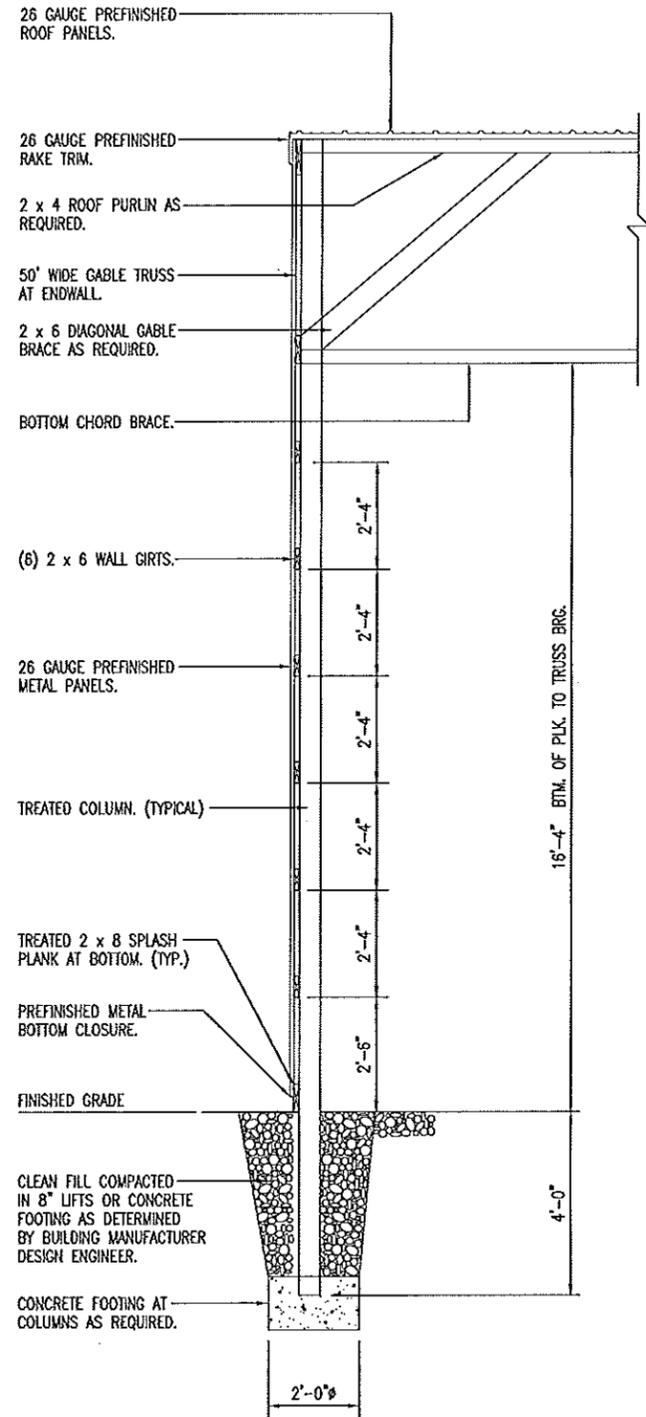
A
5 ROOF FRAMING PLAN
SCALE: 1/16" = 1'-0"

ROOF FRAMING PLAN

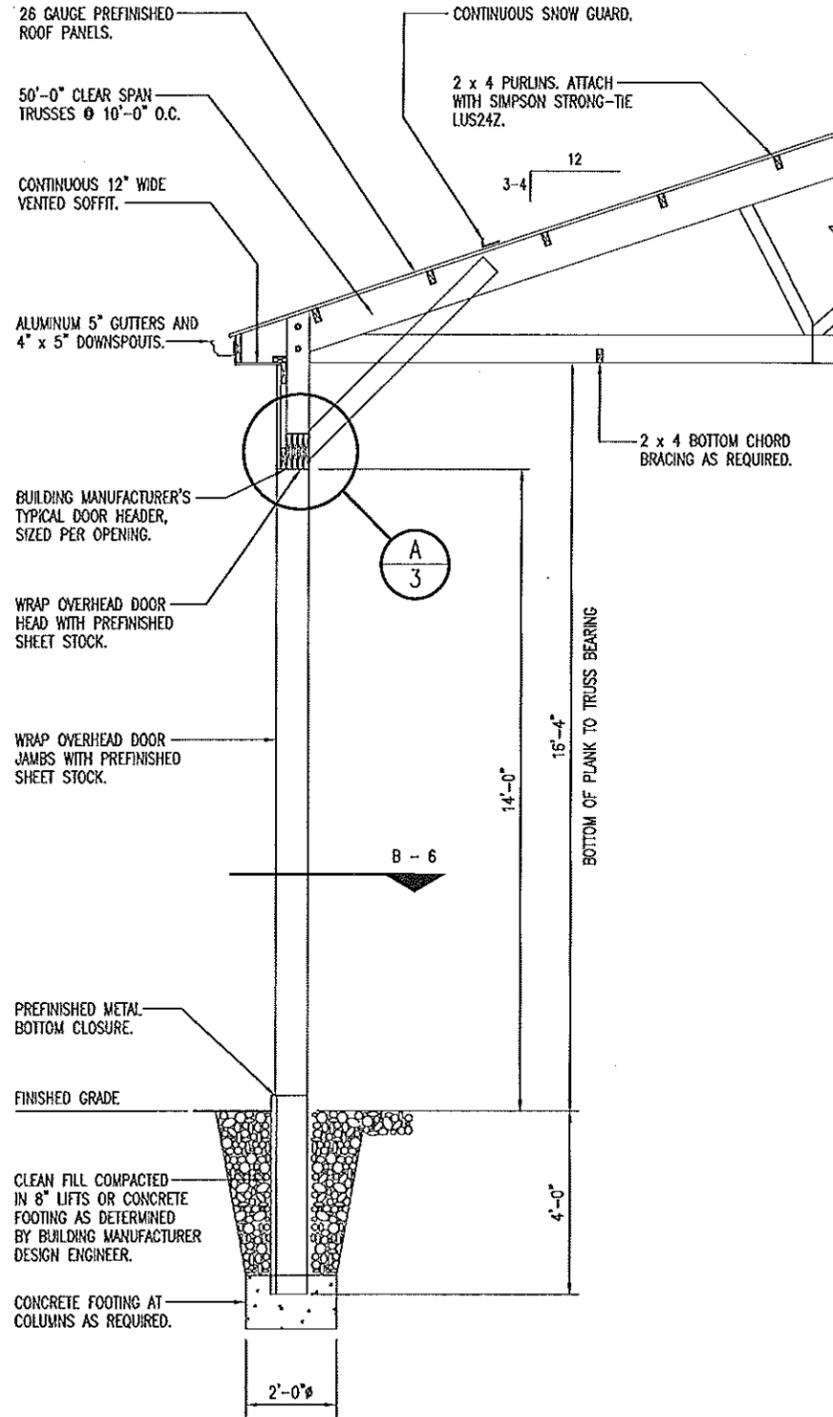
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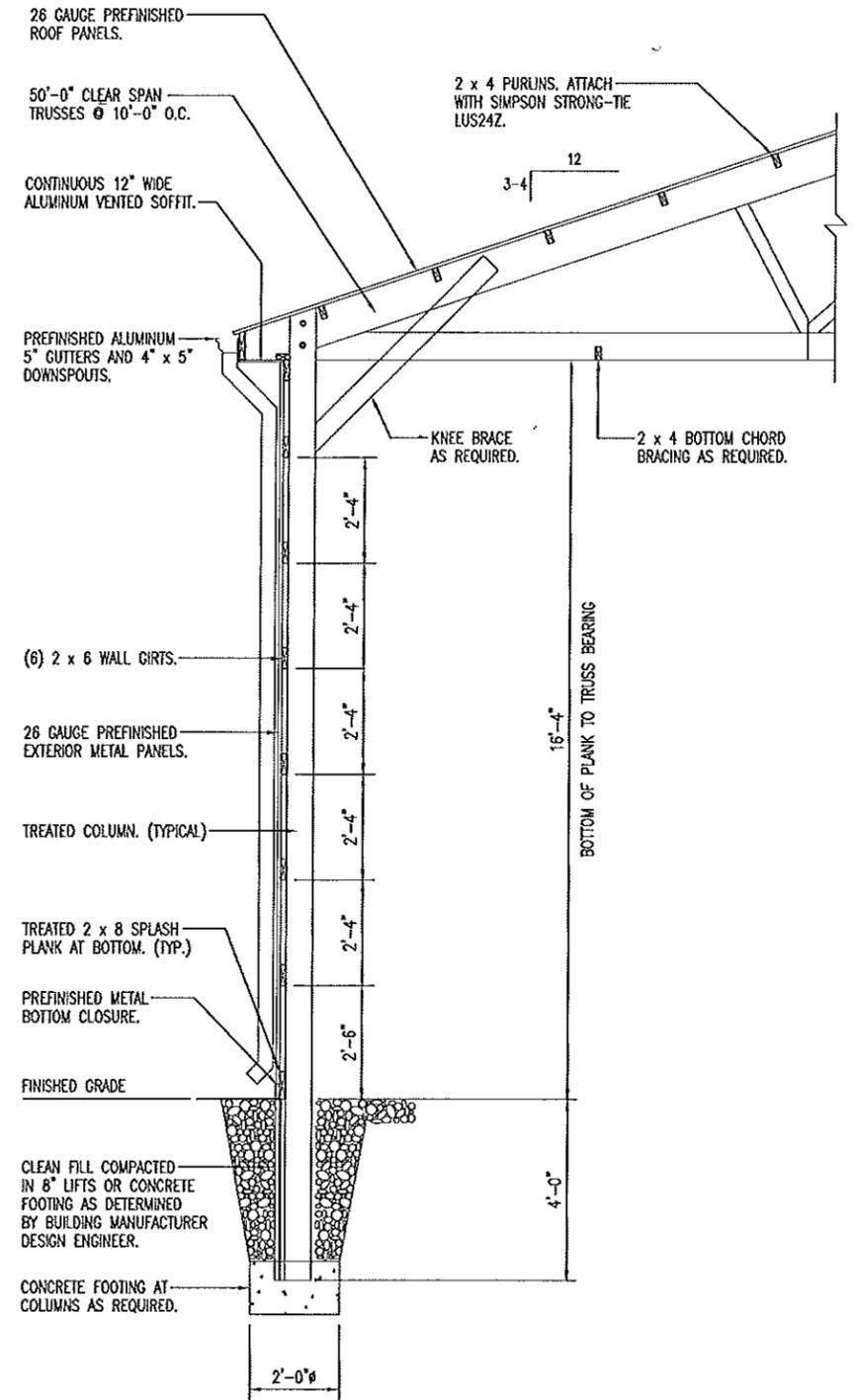
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A ENDWALL SECTION
6 SCALE: 1/4" = 1'-0"



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



C SIDEWALL SECTION
6 SCALE: 1/4" = 1'-0"

WALL SECTIONS

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