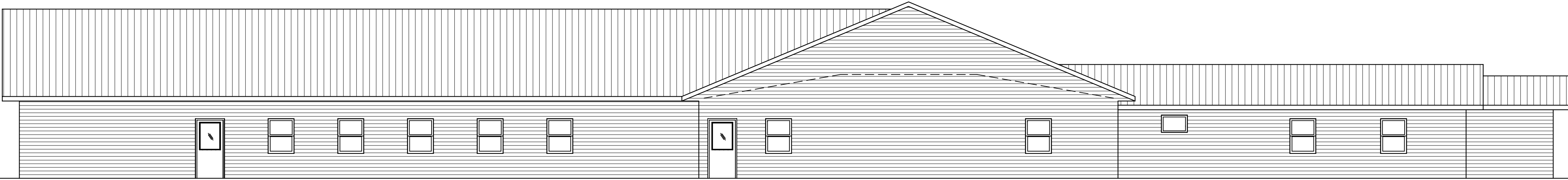




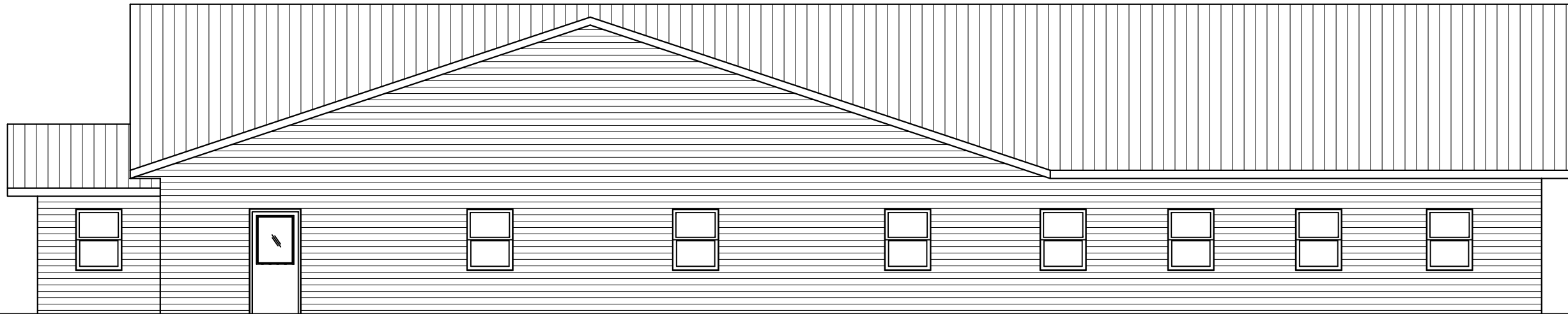
SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



EAST ELEVATION
SCALE: 1/8" = 1'-0"



WEST ELEVATION
SCALE: 1/8" = 1'-0"



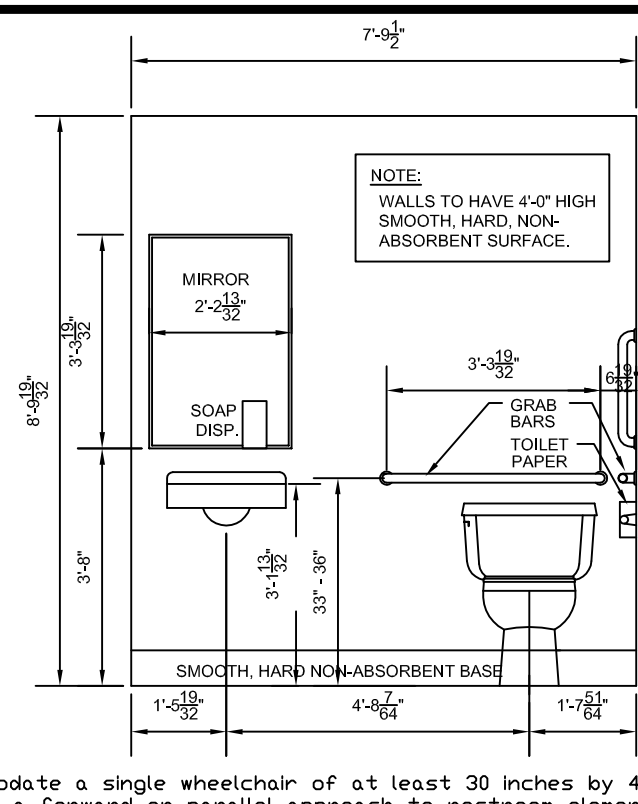
NORTH ELEVATION
SCALE: 1/8" = 1'-0"

DATE:	10MAY16
NAME:	BL
DWG. NO.:	16-245
CADFILE:	SpencerAmishChurch
StateApprovalPlan	Options 10may16
REVISIONS:	16JUN16 22JUN16 20JUL16

PROPOSED NEW CHURCH FOR
SPENCER AMISH CHURCH
SPENCER WI

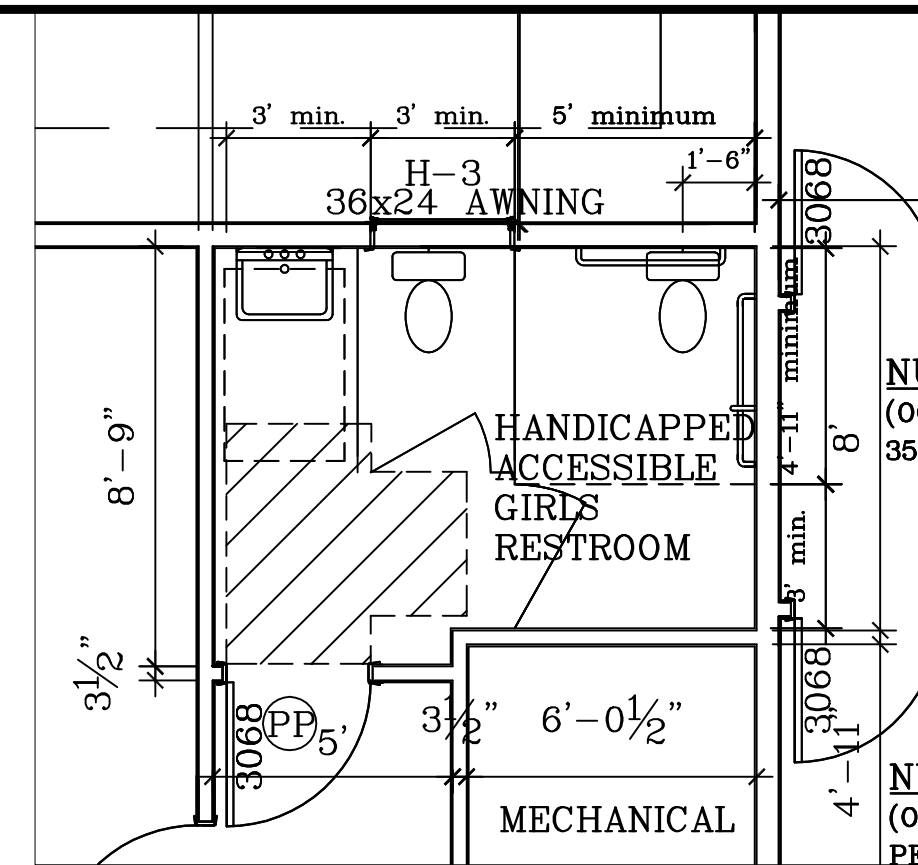
BESTIMATE LLC
<http://bestimatelle.com>
714 E Ninth St
Marshfield, WI 54449





THE STANDARDS DESIGNATE CLEAR FLOOR SPACE to accommodate a single wheelchair of at least 30 inches by 48 inches (760 by 1220mm). The space can be positioned for a forward or parallel approach to restroom elements. A clear floor path must also be provided for people who are taller than 6 feet 6 inches (198 cm) tall. Clearances required knee and toe clearance is provided (Fig. 14 and many others). If properly centered in front of controls and operating mechanisms, the clear floor space will allow both left- and right-hand access.

The standards also require accessible reach ranges for controls and operating mechanisms depending on the location of individual accessories and the direction of reach required for their use. To allow use by people within the "reach range," it is required that accessories be mounted with their "operable parts"—dispensing mechanisms, valves, push buttons, etc.—at heights between 48 inches (1220 mm) and 54 inches (1370 mm) above the finished floor (Fig. 10). Where accessories are mounted over obstructions such as counters, depending on the nature and height of the obstruction, the operable parts may need to be located higher. In all cases, the maximum allowable finish floor. The operable portions of any accessory should be mounted no lower than 15 inches (380mm) above the floor. However, the 2009 ICC/ANSI Standards limit the operable portions of dispensers in toilet stalls to 48 inches (1220 mm) to reduce the risk of injury from determining the mounting location of restrooms' accessories make sure to account for side and forward approaches.



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



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

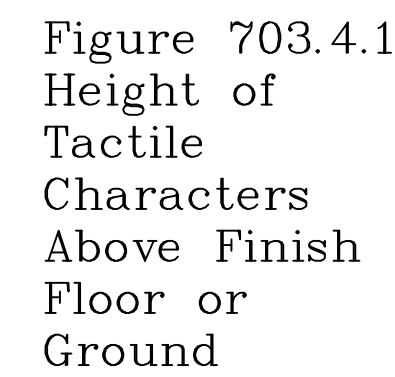
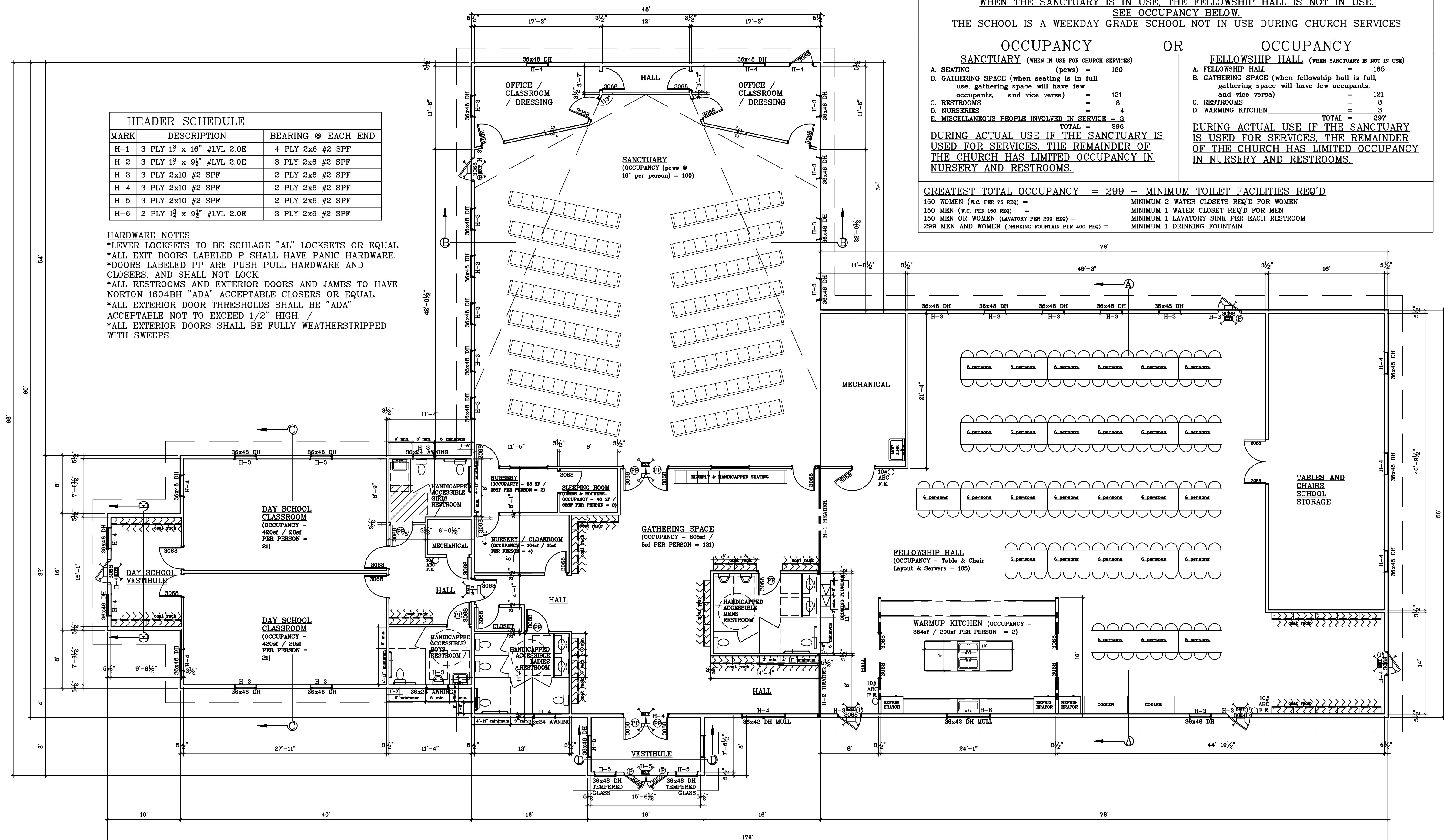


Figure 703.4.2
Location of
Tactile Signs
at Doors

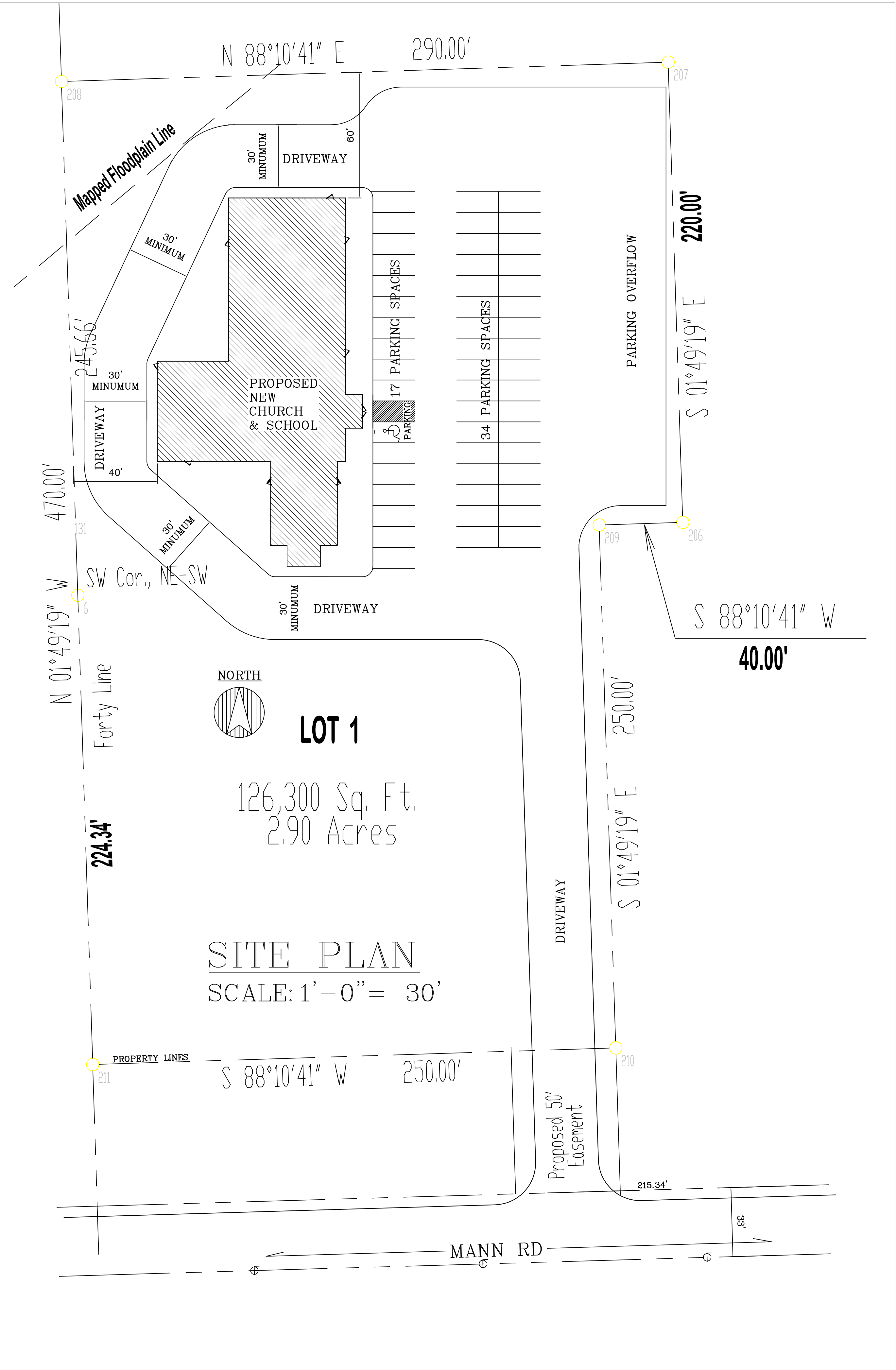
HEADER SCHEDULE		
MARK	DESCRIPTION	BEARING @ EACH END
H-1	3 PLY 1½ x 16" #LVL 2.0E	4 PLY 2x6 #2 SPF
H-2	3 PLY 1½ x 9½" #LVL 2.0E	3 PLY 2x6 #2 SPF
H-3	3 PLY 2x10 #2 SPF	2 PLY 2x6 #2 SPF
H-4	3 PLY 2x10 #2 SPF	2 PLY 2x6 #2 SPF
H-5	3 PLY 2x10 #2 SPF	2 PLY 2x6 #2 SPF
H-6	2 PLY 1½ x 9½" #LVL 2.0E	3 PLY 2x6 #2 SPF

HARDWARE NOTES

- *ALL LOCKSETS TO BE SCHLAGE "AL" LOCKSETS OR EQUAL
- *ALL EXIT DOORS LABELED P SHALL HAVE PANIC HARDWARE.
- *DOORS LABELED PP ARE PUSH PULL HARDWARE AND CLOSERS, AND SHALL NOT LOCK.
- *ALL RESTROOMS AND EXTERIOR DOORS AND JAMBS TO HAVE NORTON 1604BH "ADA" ACCEPTABLE CLOSERS OR EQUAL.
- *ALL EXTERIOR DOOR THRESHOLDS SHALL BE "ADA" ACCEPTABLE NOT TO EXCEED 1/2" HIGH. /
- *ALL EXTERIOR DOORS SHALL BE FULLY WEATHERSTRIPPED WITH SWEEPS.



10,256 sf— SCALE: 1/8"=1'-0"



OCCUPANCY	
SPENCER AMISH CHURCH SINGLE SUNDAY SERVICE IS ATTENDED BY 100-125 PEOPLE. WEDDINGS AND FUNERALS GENERATE A GREATER ATTENDANCE. REALISTIC MAXIMUM OCCUPANCY = 299 WHEN THE SANCTUARY IS IN USE. THE FELLOWSHIP HALL IS NOT IN USE. SEE OCCUPANCY BELOW. THE SCHOOL IS A WEEKDAY GRADE SCHOOL NOT IN USE DURING CHURCH SERVICES	
OCCUPANCY	OCCUPANCY
SANCTUARY (WHEN IN USE FOR CHURCH SERVICES) A. SEATING (pews) = 160 B. GATHERING SPACE (when seating is in full use, gathering space will have few occupants, and vice versa) = 121 C. RESTROOMS = 8 D. NURSERIES = 4 E. MISCELLANEOUS PEOPLE INVOLVED IN SERVICE = 3 TOTAL = 296 DURING ACTUAL USE IF THE SANCTUARY IS USED FOR SERVICES, THE REMAINDER OF THE CHURCH HAS LIMITED OCCUPANCY IN NURSERY AND RESTROOMS.	FELLOWSHIP HALL (WHEN SANCTUARY IS NOT IN USE) A. FELLOWSHIP HALL = 165 B. GATHERING SPACE (when fellowship hall is full, gathering space will have few occupants, and vice versa) = 121 C. RESTROOMS = 8 D. WARMING KITCHEN = 3 TOTAL = 297 DURING ACTUAL USE IF THE SANCTUARY IS USED FOR SERVICES, THE REMAINDER OF THE CHURCH HAS LIMITED OCCUPANCY IN NURSERY AND RESTROOMS.
GREATEST TOTAL OCCUPANCY = 299 - MINIMUM TOILET FACILITIES REQ'D 150 WOMEN (W.C. PER 75 REQ) = MINIMUM 2 WATER CLOSETS REQ'D FOR WOMEN 150 MEN (W.C. PER 150 REQ) = MINIMUM 1 WATER CLOSET REQ'D FOR MEN 150 MEN OR WOMEN (LAVATORY PER 200 REQ) = MINIMUM 1 LAVATORY SINK PER EACH RESTROOM 299 MEN AND WOMEN (DRINKING FOUNTAIN PER 400 REQ) = MINIMUM 1 DRINKING FOUNTAIN	



CONSTRUCTION NOTES		
ATTIC SHALL BE DIVIDED INTO SMOKE CONTROL SPACES NOT TO EXCEED 3200SF. EACH ATTIC SPACE SHALL HAVE AN ATTIC ACCESS NOT LESS THAN 20" X 30" WITH INSULATED SELF CLOSING DOOR.		
NOTE: Building Owner will provide a separate room or designated space within or adjacent to the building for the separation, temporary storage and collection of recyclable materials that are likely to be generated by the building occupants. Flammable or combustible material storage shall comply with ch. SPS 314. Flammable or combustible liquid storage shall comply with ch. SPS 310.		
NOTE: Per IBC 1004.3 - Every room or space that is an assembly occupancy shall have the occupant load of the room or space posted in a conspicuous place, near the main exit or exit access doorway from the room or space. Posted signs shall be of an approved legible permanent design and shall be maintained by the owner or authorized agent.		
PER IBC 506.2, The BASIC allowable area of a Type VB construction Group A-3 occupancy is 6,000 square feet. Per Equation 5-2: If = [F / P-.25] W / 30 If F = 529' total perimeter of building with 30' driveway all around If P = 529' total perimeter of building If W = 30' public way all the way around [529 / 529] = (1 -.25) = (.75 x (30/30)) = .75 Area increase due to frontage x 6000sf Basic allowable area = 10,500sf > 10,256 sf final floor plan. BASED ON THE OCCUPANCY SPECIFIED ABOVE LEFT, THE CHURCH NEED NOT HAVE A FIRE SPRINKLER SYSTEM. ALSO BASED ON THE CALCULATION ABOVE PER IBC 506.2, EQUATION 5-2 WORKED OUT ABOVE, THE CHURCH IS ALLOWED 10,500SF SO THAT FIRE SPRINKLERS AND FIREWALLS ARE NOT REQUIRED.		
OCCUPANCY: ASSEMBLY A-3- CONDITIONED SPACE		
BUILDING IS 10,256 SF ONE STORY HEATED UNSPRINKLERED WOOD STUD FRAME BUILDING.		
TYPE VB COMBUSTIBLE UNPROTECTED CLASS OF CONSTRUCTION		
SNOW LOAD	DESIGN LOADS	
	GROUND SNOW LOAD (Pg) =	50 PSF
ROOF TRUSS DESIGN	SNOW EXPOSURE FACTOR (Ce) =	1.0
	SNOW LOAD IMPORTANCE FACTOR (Is0) =	1.0
AIRLOCK ROOF TRUSS DRIFT LOAD DESIGN	ROOF THERMAL FACTOR (Ct) =	1.1
	FLAT ROOF SNOW LOAD =	38.5 PSF
WIND LOAD	SLOPED ROOF / FLAT ROOF FACTOR (Ps) =	1
	BALANCED SNOW LOAD =	38.5 PSF
SEISMIC LOAD	UNBALANCED SNOW LOAD =	11.55 = .3 *Ps
	TOP CHORD LIVE LOAD =	38.5 PSF
CONCRETE REQUIREMENTS	TOP CHORD DEAD LOAD =	10 PSF
	BOTTOM CHORD DEAD LOAD =	10 PSF
CONCRETE MASONRY	GROUND SNOW LOAD (Pg) =	150 PSF
	TOP CHORD LIVE LOAD =	115.5 PSF
SOILS INFORMATION	TOP CHORD DEAD LOAD =	10 PSF
	BOTTOM CHORD DEAD LOAD =	10 PSF
SHEET INDEX	90 MPH WIND, WIND EXPOSURE =	C
	WIND IMPORTANCE FACTOR (I) =	1.0
PAGE	BUILDING ENCLOSURE TYPE =	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT =	±.018
1 OF 5	COMPONENT & CLADDING DESIGN PRESSURE =	+19.2, -20.8 PSF
	SEISMIC IMPORTANCE FACTOR (I_e) =	1
2 OF 5	SITE CLASS =	D
	SEISMIC DESIGN CATEGORY =	A
3 OF 5	SPECTRAL RESPONSE COEFFICIENTS: S_ds =	6.3%
	S_d1 =	4.8%
4 OF 5	SLAB ON GRADE COMPRESSIVE STRENGTH MINIMUM PSI @ 28 DAYS =	3500 PSI
	CONCRETE REINFORCING STEEL - Fy (ASTM A615, GRADE 60) =	60000 PSI
5 OF 5	COMPRESSIVE STRENGTH OF CONCRETE MASONRY Fm =	1500 PSI
	CLASS OF MATERIALS =	4 FIRM
CONTENTS	ALLOWABLE SOIL BEARING PRESSURE =	2000 PSF
	DESIGN LOADS, CONSTRUCTION NOTES & PLOT PLAN	
FLOOR PLAN & LINTELS- RESTROOM ENLARGED PLANS & DETAILS, OCCUPANCY LOAD	FOUNDATION PLAN & DETAILS	
	ELEVATIONS	
CROSS SECTIONS & SHEAR WALL FASTENER SCHEDULE		

PROPOSED NEW CHURCH FOR SPENCER AMISH CHURCH

SCALE: Noted

DATE: 10MAY16

NAME: BL

DWG. NO.: 16-245

CADFILE: StateApprovalPlan Option6 10may16

REVISIONS: 16JUN16 22JUN16 20JUL16

16JUN16 22JUN16 20JUL16

SPENCER AMISH CHURCH

SPENCER WI

BESTIMATE LLC

http://bestimatellc.com

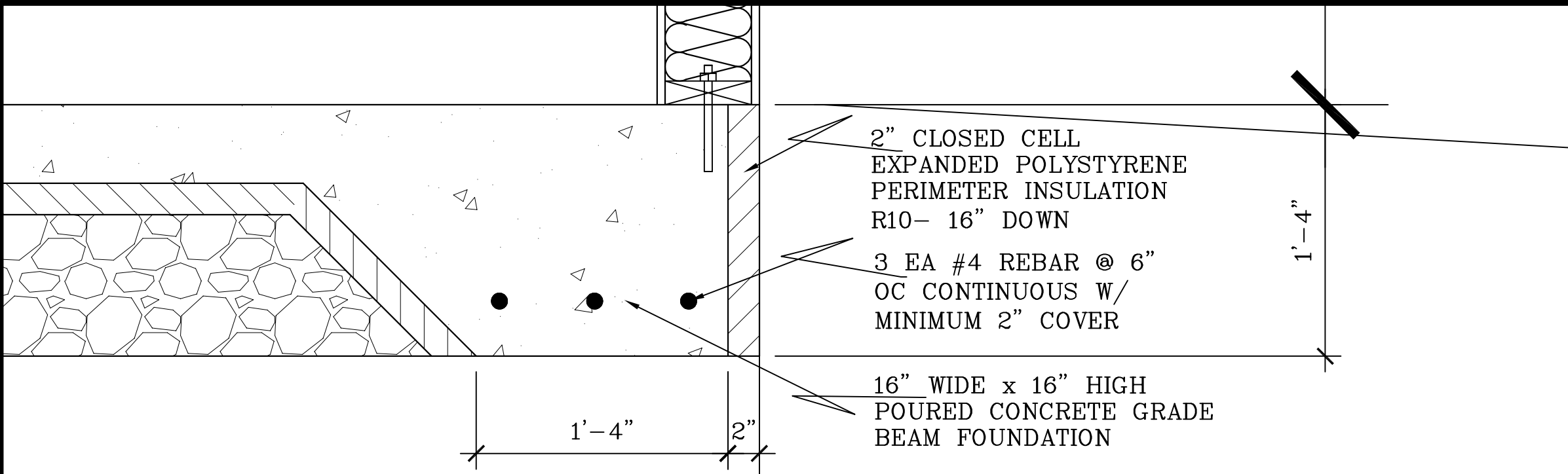
714 E Ninth St

Marshfield, WI 54449

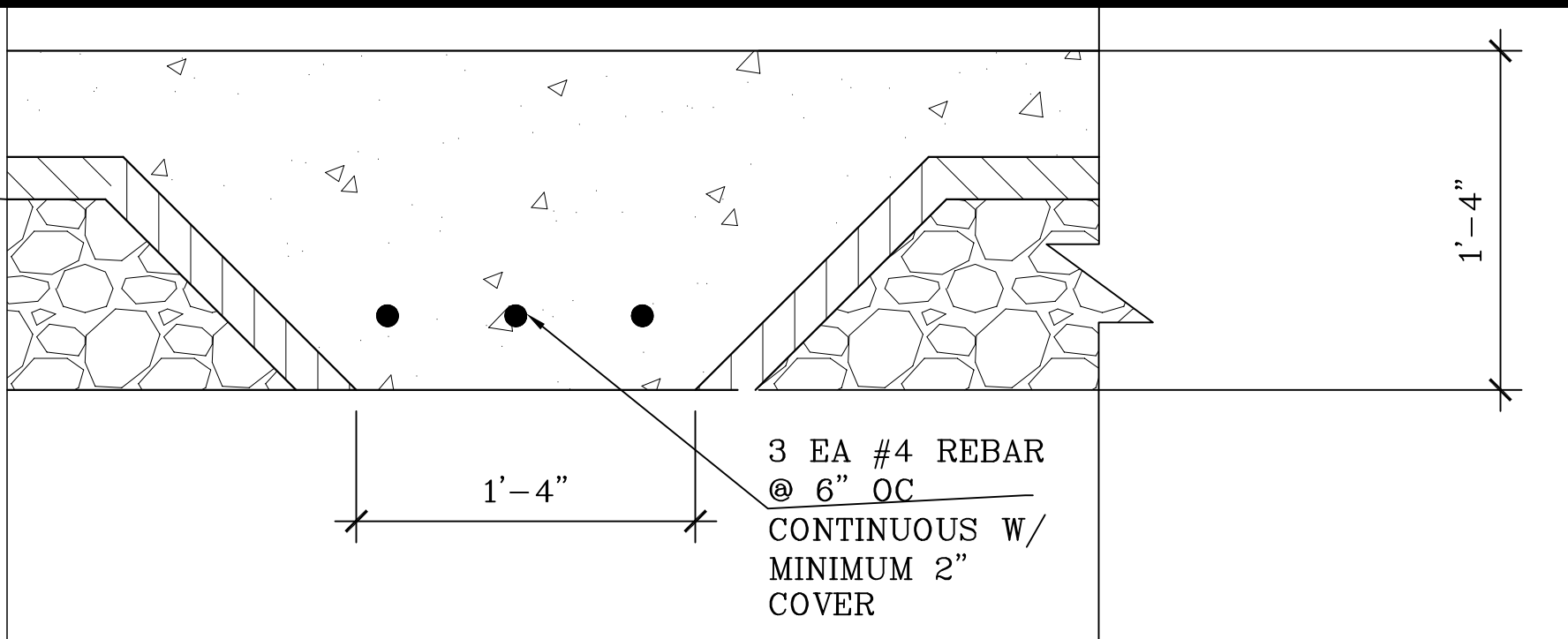
bob@bestimatellc.com

715-506-0040

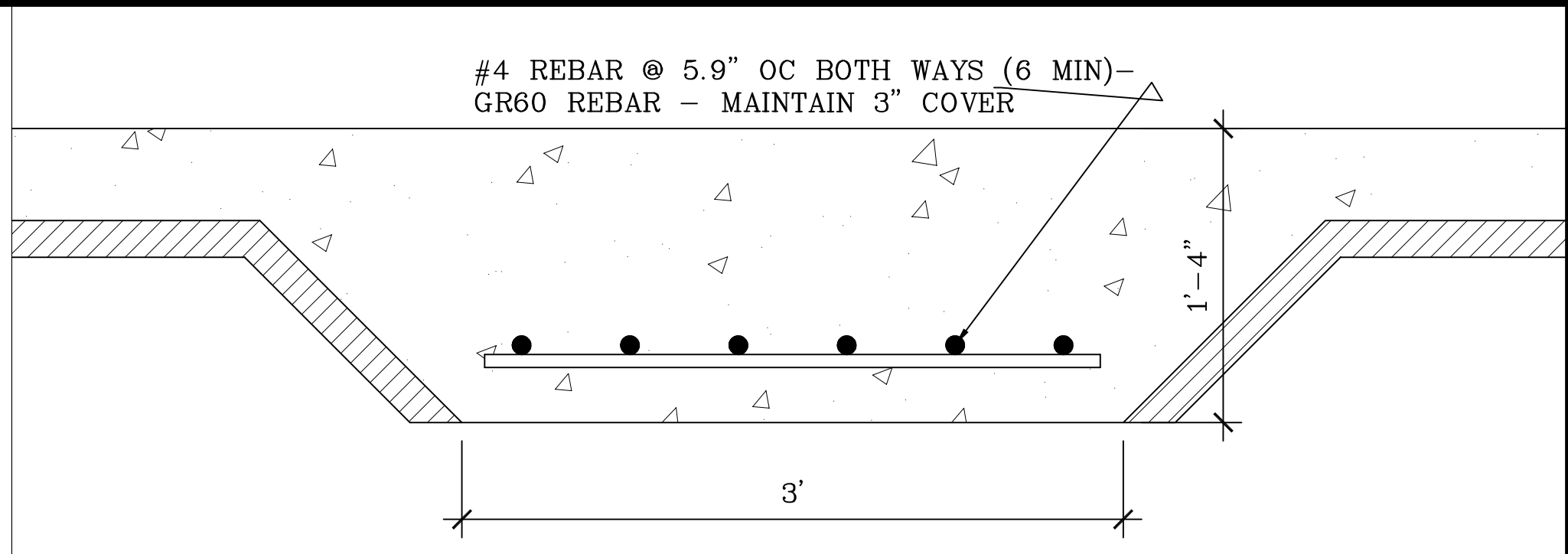
PAGE NO: 1 of 5



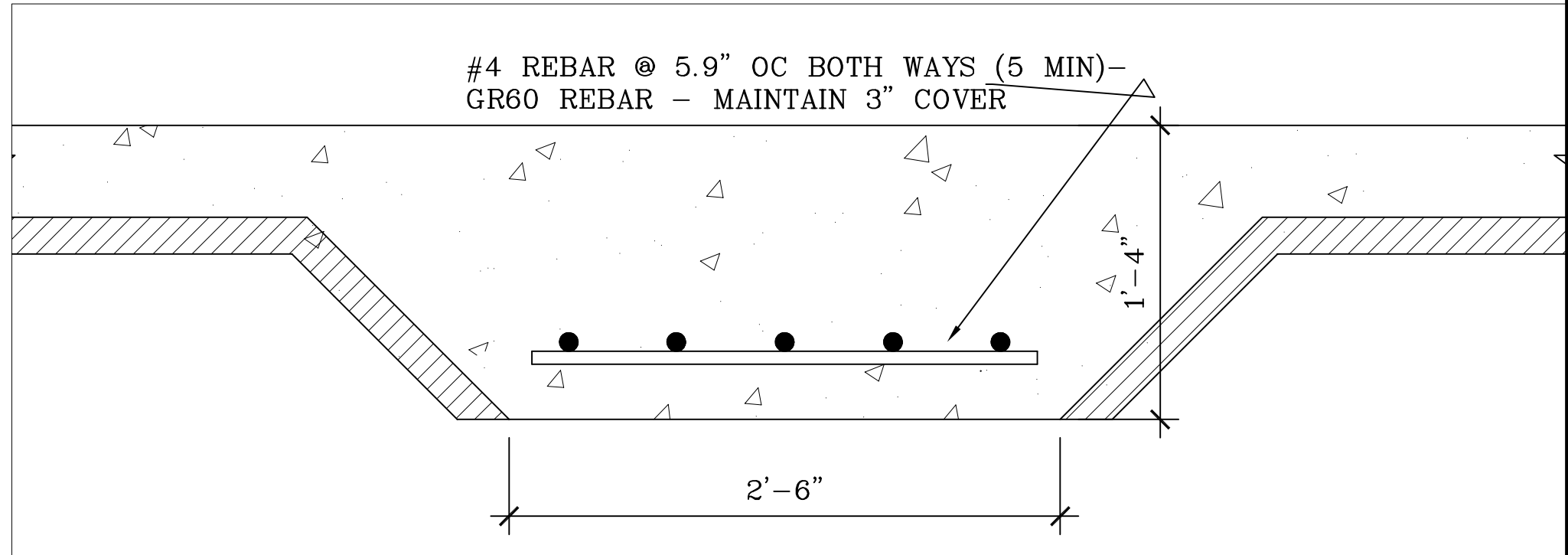
GRADE BEAM PERIMETER FOUNDATION
TYPICAL THROUGHOUT SCALE: 1-1/2" = 1'-0"



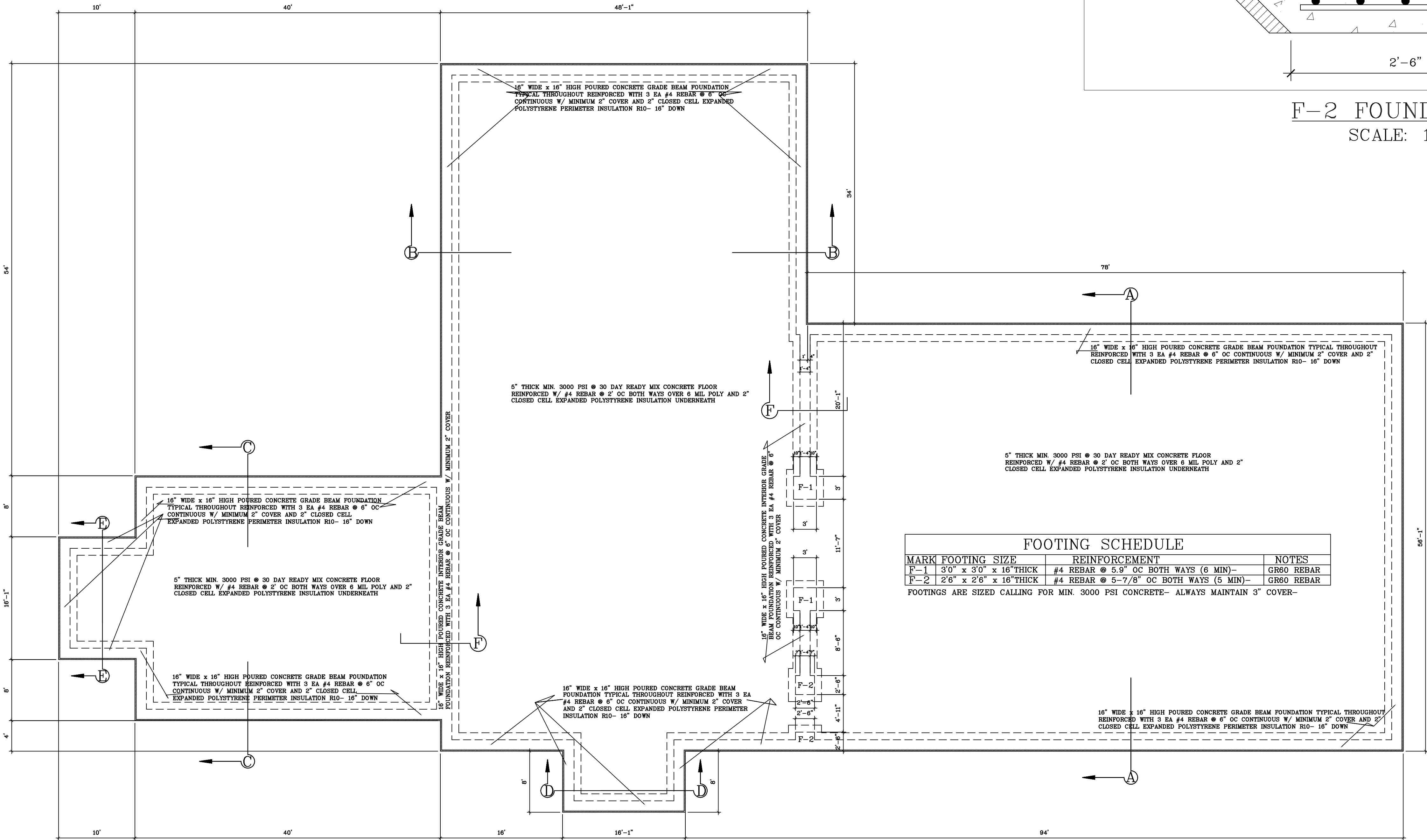
INTERIOR FOOTING DETAIL F
SCALE: 1-1/2" = 1'-0"



F-1 FOUNDATION DETAIL
SCALE: 1-1/2" = 1'-0"




F-2 FOUNDATION DETAIL
SCALE: 1-1/2" = 1'-0"



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


DATE:	10MAY16
NAME:	BL
DWG. NO.:	16-245
CAD FILE:	SpencerAmishChurch
State Approval Plan Option:	10may16
REVISIONS:	16JUN16 201JUL16

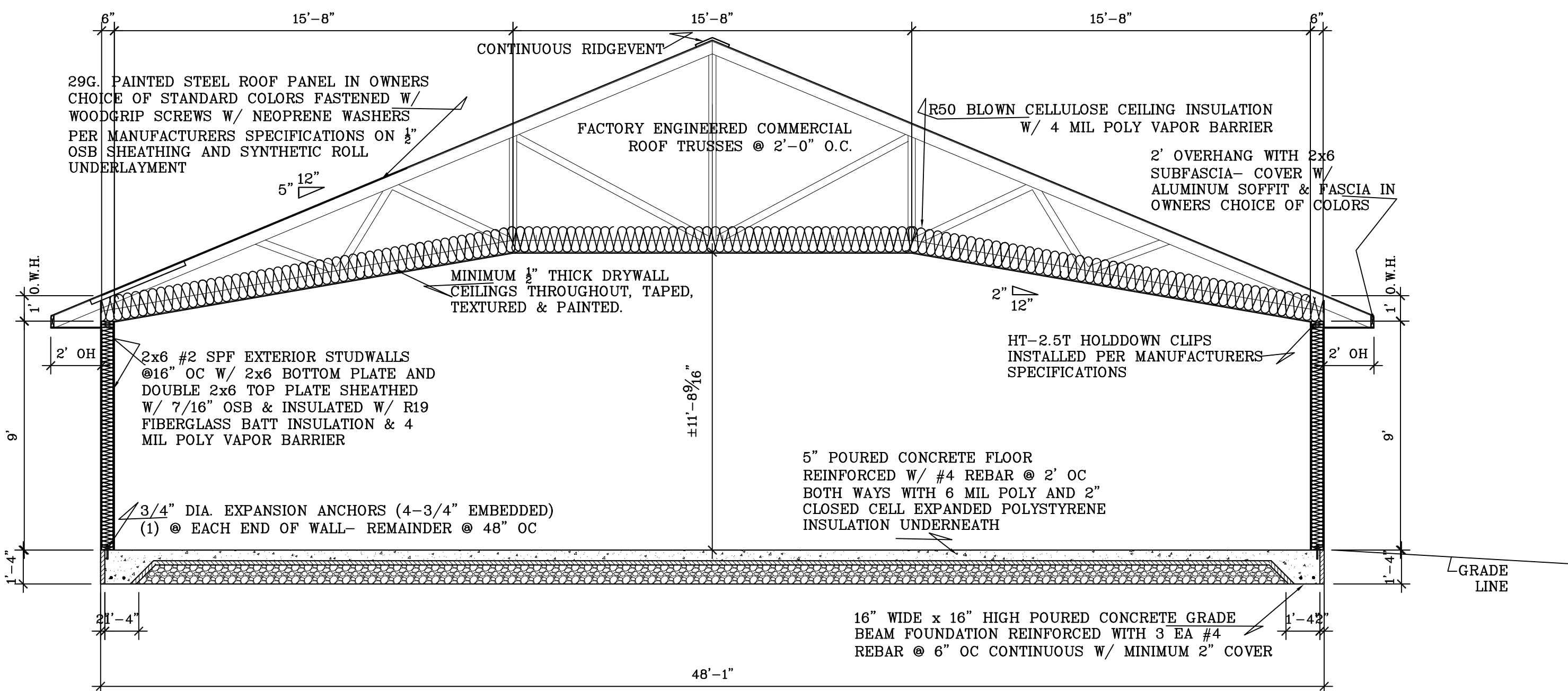
PROPOSED NEW CHURCH FOR
SPENCER AMISH CHURCH
SPENCER WI



http://bestimatellc.com

714 E Ninth St
Marshfield, WI 54449

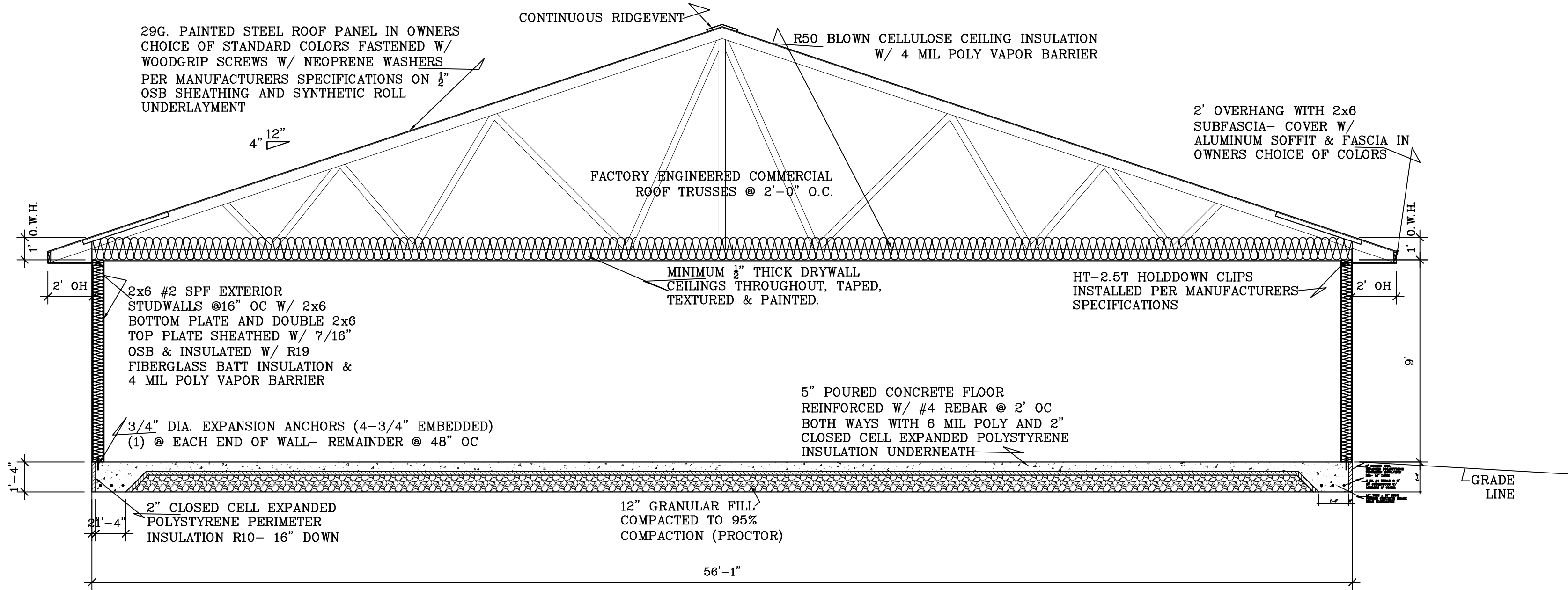




CROSS SECTION B-B

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

- NOTE: The blown-in or sprayed insulation installer shall provide identification markers that are labeled in inches or millimeters installed at least one for every 300 square feet throughout the attic space. The markers shall be affixed to the trusses or joists and marked with the minimum initial installed thickness and the minimum settled thickness with the numbers a minimum of 1" in height. Each marker shall face the attic access opening. The thickness of the installed insulation shall meet or exceed the minimum installed thickness shown on the marker.

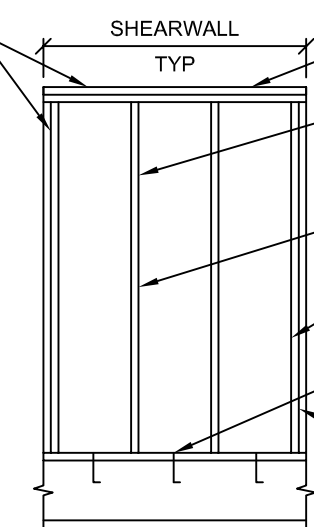


CROSS SECTION A-A

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

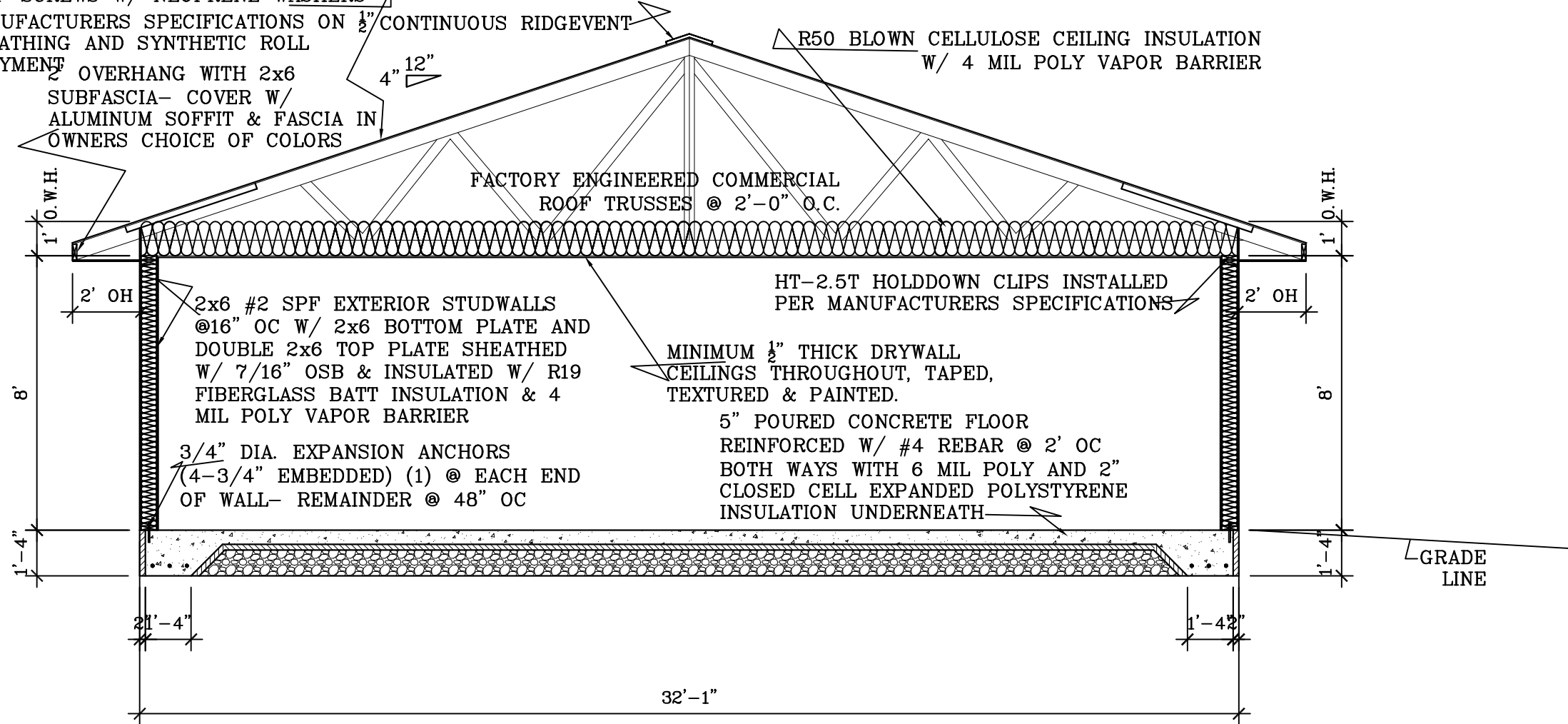
SHEAR WALL SCHEDULE			
LOCATION	SHEATHING	ATTACHMENT	SILL BOLT
SW1 EXTERIOR WALLS	7/16" OSB (EXTERIOR SIDE)	ATTACH ALL EDGES TO TOP PLATES, SILL PLATES, AND STUDS AT PANEL EDGES w/8d COMMON NAILS (2 1/2" X 0.131") @ 6" OC ATTACH TO STUDS IN FIELD OF PANELS @ 12" OC	3/4" DIA EXPANSION ANCHORS (4 3/4" EMBED) (1) @ EACH END OF WALL REMAINDER AT @ 48" OC
	5/8" GYPSUM (INTERIOR SIDE)	ATTACH ALL EDGES TO TOP PLATES, SILL PLATES, AND STUDS AT PANEL EDGES w/#6 TYPE W X 1 5/8" DRYWALL SCREWS @ 7" OC ATTACH TO STUDS IN FIELD OF PANELS @ 7" OC	
SW2 INTERIOR WALLS	5/8" GYPSUM BOARD (BOTH SIDES OF WALL OR EA LAYER OF GYP PER ARCH WALL TYPES)	ATTACH ALL EDGES TO TOP PLATES, SILL PLATES, & STUDS w/#6 TYPE W X 1 5/8" DRYWALL SCREWS @ 7" OC. ATTACH TO STUDS IN FIELD OF PANELS @ 7" OC	3/4" DIA EXPANSION ANCHORS (4 3/4" EMBED) (1) @ EACH END OF WALL REMAINDER AT @ 48" OC

SEE SCHEDULE FOR ATTACHMENT
AT PANEL EDGES, BLOCKING
STUDS, TOP PLATES, AND SILL
PLATE



- (2) 2x TOP PLATE EXCEPT
WHERE NOTED ON PLAN
- SEE SCHEDULE FOR
ATTACHMENT OF SHEATHING
TO STUDS IN FIELD OF PANELS
- 2x STUDS @ 16" OC
- (2) 2x MIN STUDS @ EA
END OF SHEARWALLS
- 2x SILL PLATE
SEE SCHEDULE
FOR ANCHORAGE
REQUIREMENTS
- ALTERNATE NAILING
AND SCREWING ON
END 2x's

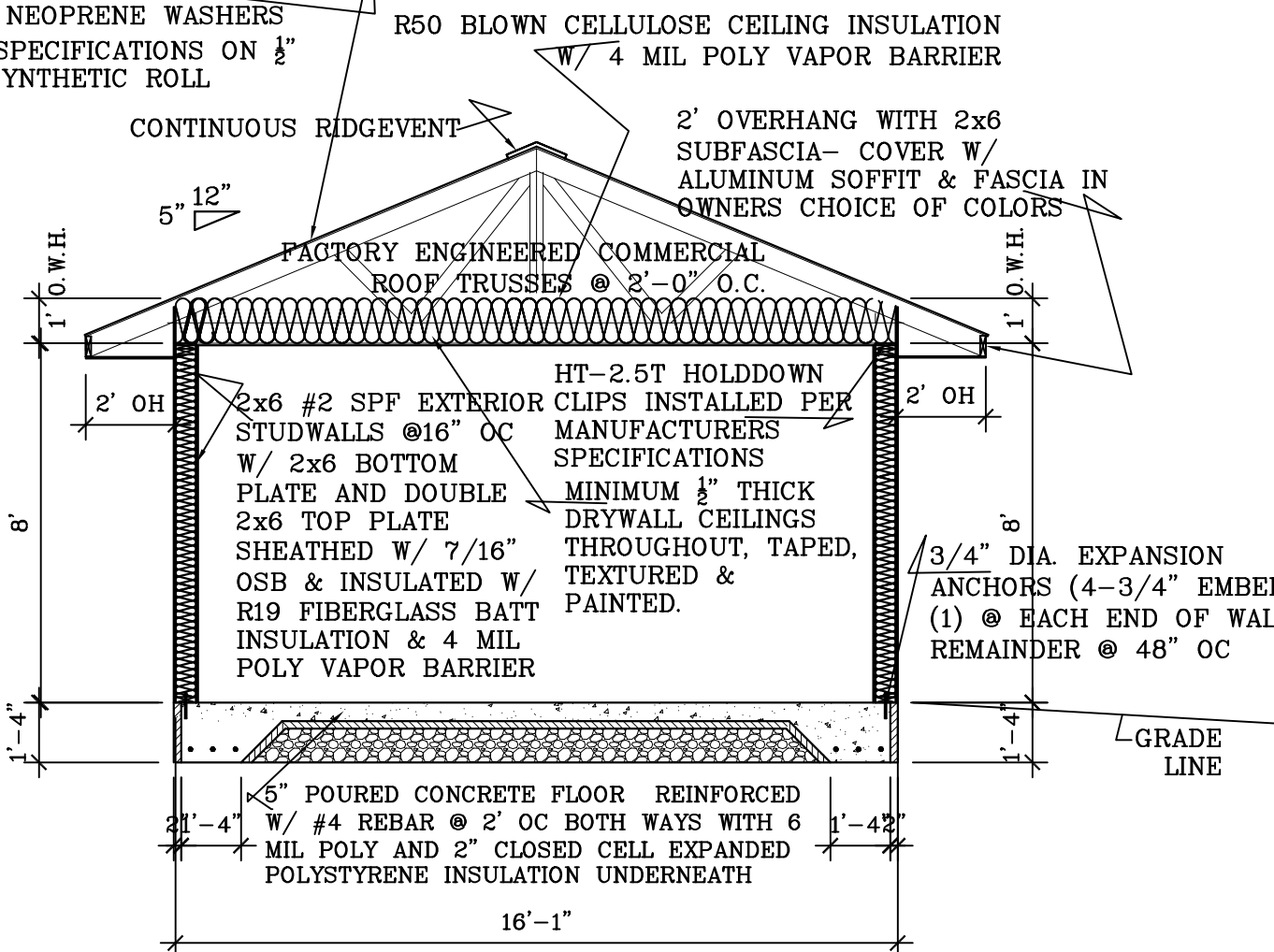
29G. PAINTED STEEL ROOF PANEL IN OWNERS
CHOICE OF STANDARD COLORS FASTENED W/
WOODGRIP SCREWS W/ NEOPRENE WASHERS
PER MANUFACTURERS SPECIFICATIONS ON 1/2"
OSB SHEATHING AND SYNTHETIC ROLL
UNDERLAYMENT



CROSS SECTION C-C

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

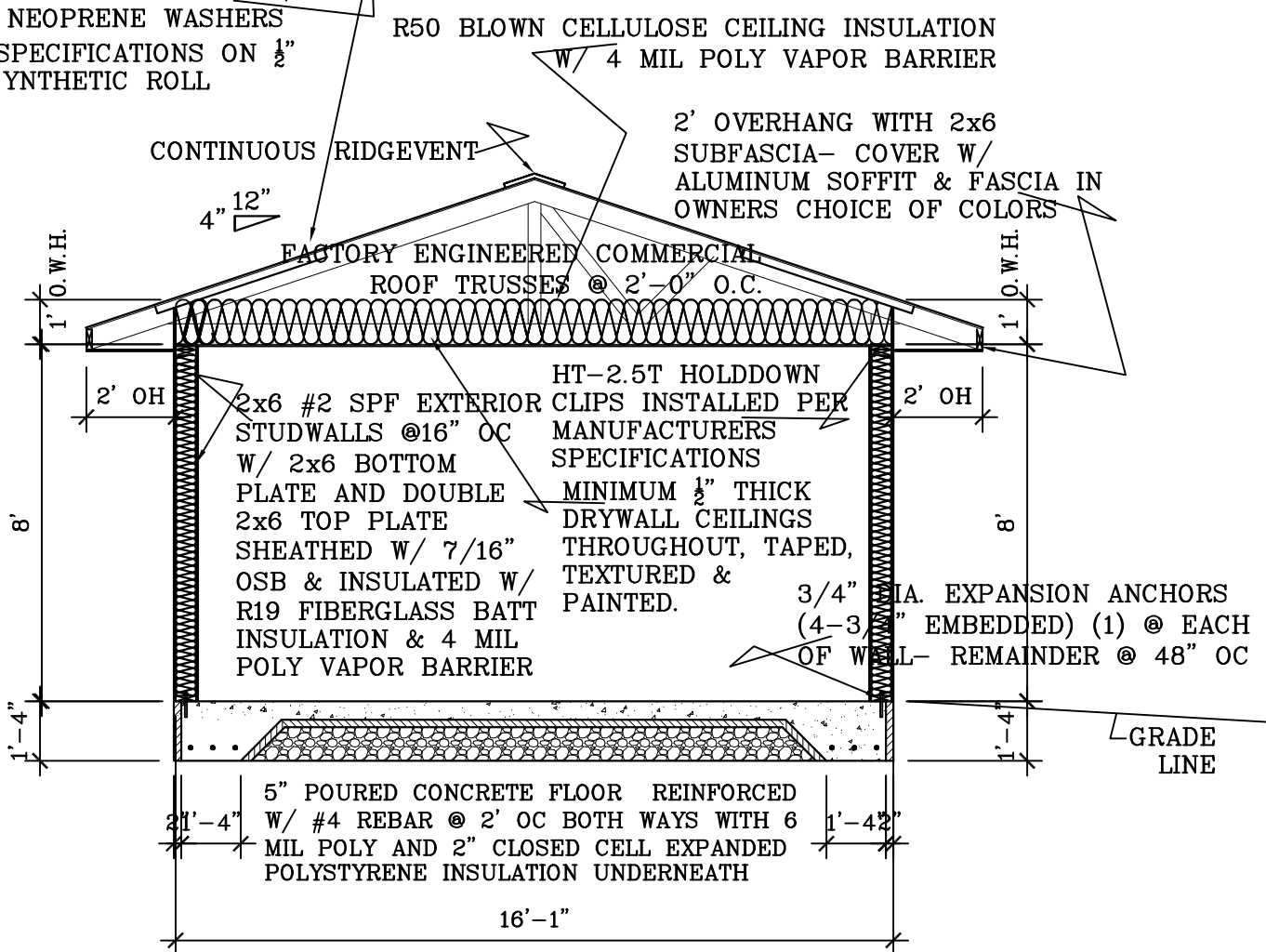
29G. PAINTED STEEL ROOF PANEL IN OWNERS
CHOICE OF STANDARD COLORS FASTENED W/
WOODGRIP SCREWS W/ NEOPRENE WASHERS
PER MANUFACTURERS SPECIFICATIONS ON 1/2"
OSB SHEATHING AND SYNTHETIC ROLL
UNDERLAYMENT



CROSS SECTION D-D

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

29G. PAINTED STEEL ROOF PANEL IN OWNERS
CHOICE OF STANDARD COLORS FASTENED W/
WOODGRIP SCREWS W/ NEOPRENE WASHERS
PER MANUFACTURERS SPECIFICATIONS ON 1/2"
OSB SHEATHING AND SYNTHETIC ROLL
UNDERLAYMENT



CROSS SECTION E-E

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

PROPOSED NEW CHURCH FOR

SPENCER AMISH CHURCH

SPENCER WI

BESTIMATE LLC

<http://bestimatellc.com>

714 E Ninth St
Marshfield, WI 54449



PAGE NO:

5 of 5