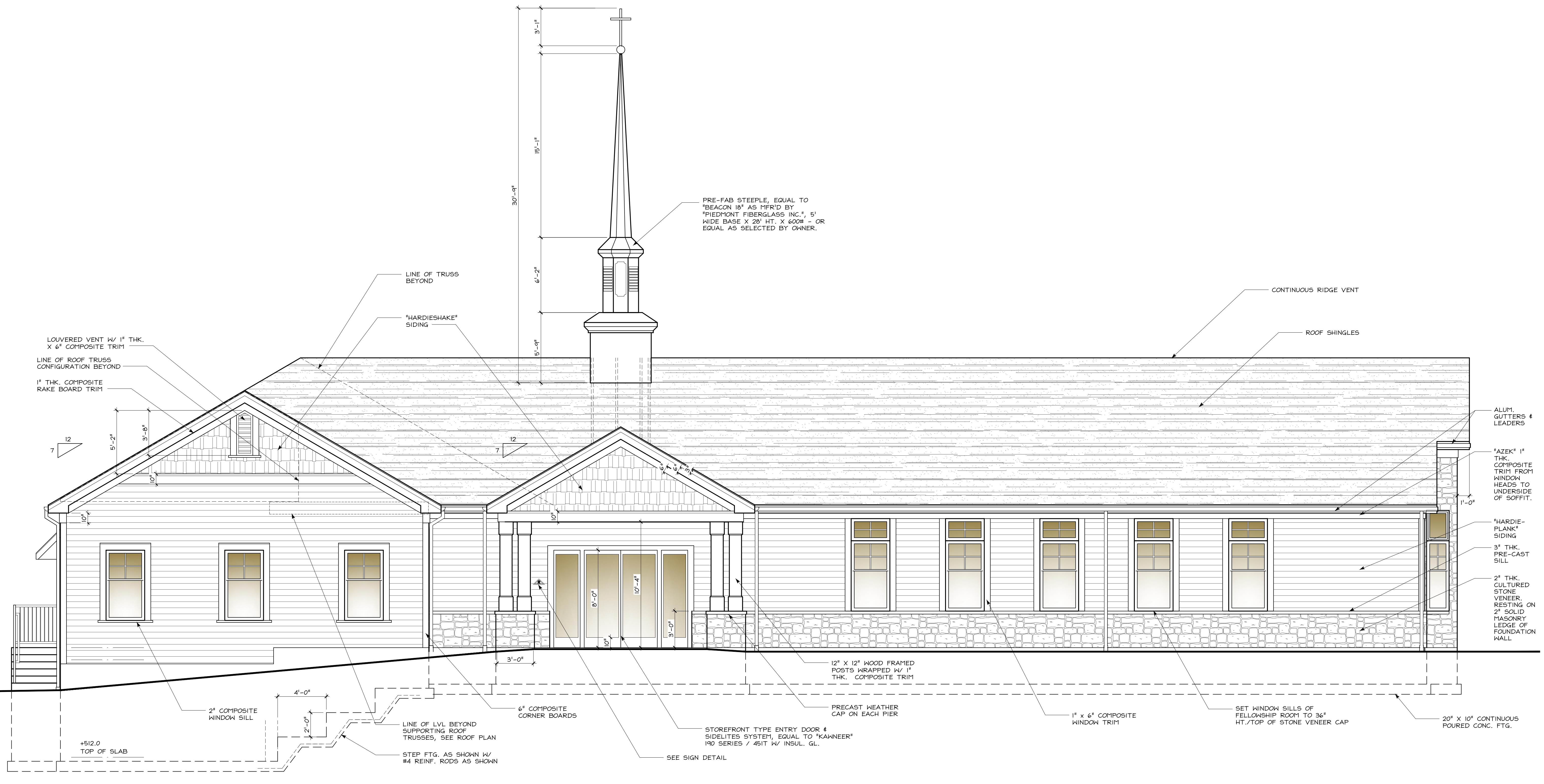


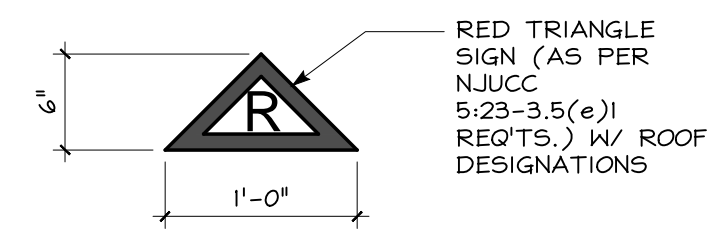
A-1 FRONT ELEVATION & BLDG. CODE DATA
 A-2 REAR ELEVATION & DETAILS
 A-3 SIDE ELEVATIONS & DETAILS
 A-4 FOUNDATION PLAN
 A-5 FLOOR PLAN
 A-6 ROOF PLAN, DOOR / FINISH SCHEDULES & DETAILS
 A-7 BUILDING CROSS SECTION & DETAILS
 A-8 BUILDING CROSS SECTION & DETAILS
 A-9 INT. ELEVATIONS
 A-10 SPECIFICATIONS
 E-1 ELECTRICAL PLAN
 E-2 ELECTRICAL NOTES & DIAGRAMS
 P-1 PLUMBING DIAGRAM & NOTES

CON-CHECK - SEPARATE ATTACHMENT



FRONT ELEVATION

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



SIGN DETAIL

SCALE: 1" = 1'-0"
 FTD. TO THE LEFT OF THE MAIN ENTRY DOORS BETWEEN 48" & 72" ABOVE FIN. GRADE.

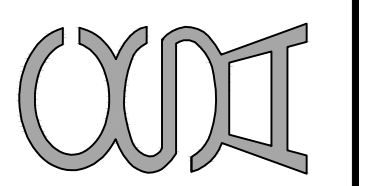
BUILDING CODE DATA

2009 INTERNATIONAL BUILDING CODE, NJ EDITION	DESIGN LIVE LOADS	
2009 INTERNATIONAL MECHANICAL CODE	GROUND SNOW LOAD:	40 P.S.F.
2009 INTERNATIONAL ENERGY CONSERVATION CODE	OFFICE LIVE LOAD:	50 P.S.F.
2011 NATIONAL ELECTRICAL CODE	SANCTUARY FLOOR LOAD:	100 P.S.F.
2009 NATIONAL STANDARD PLUMBING CODE	CORRIDOR LOAD:	100 P.S.F.
2009 INTERNATIONAL FUEL GAS CODE	ALTER LOAD:	125 P.S.F.
ENERGY CODE DATA UNDER SEPARATE ATTACHMENT	COLLATERAL LOAD:	5 P.S.F.
USE GROUP: A-3	CLASSROOM LOAD:	40 P.S.F.
CONSTRUCTION CLASSIFICATION: TYPE VB	ROOF THERMAL FACTOR:	1.0
BUILDING HEIGHT: 1 STORY, 26'-1" (AVG. GRADE TO RIDGE)	SNOW LOAD IMPORTANCE FACTOR:	1.0
BUILDING AREA: 5,367 S.F.	SNOW EXPOSURE FACTOR:	1.0
BASEMENT AREA: 1,088 S.F.	WIND SPEED: V3s = 95 MPH, EXPOSURE 'B'	
BUILDING VOLUME: 102,627 C.F.	WIND IMPORTANCE FACTOR: 1.00	
	WIND EXPOSURE: C	
	INTERNAL PRES. COEFFICIENT ±0.18	
OCCUPANCY LOAD:	SEISMIC USE GROUP: I	
FELLOWSHIP (FIXED SEATS) = 196 OCC.	SEISMIC SITE CLASS: D, UNLESS OTHERWISE DETERMINED BY SOILS ENG.	
ALTAR (1/15 S.F.) = 20 OCC.	SEISMIC DESIGN CATEGORY: C	
OFFICE AREAS (1/100 S.F.) = 2 OCC.	SEISMIC RESISTING SYSTEM: WOOD FRAMED BEARING WALLS	
CLASSROOM AREAS (1/20 S.F.) = 40 OCC.		
MULTI-PURPOSE RM. (1/15 S.F.) = 29 OCC.		
STORAGE (1/500 S.F.) = 1 OCC.		
TOTAL OCCUPANT LOAD = 288 OCCUPANTS		

A-1

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 NY 02258-1

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 NEW CHURCH BUILDING FOR:
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 RT. 29, WANTAGE TWP., NJ



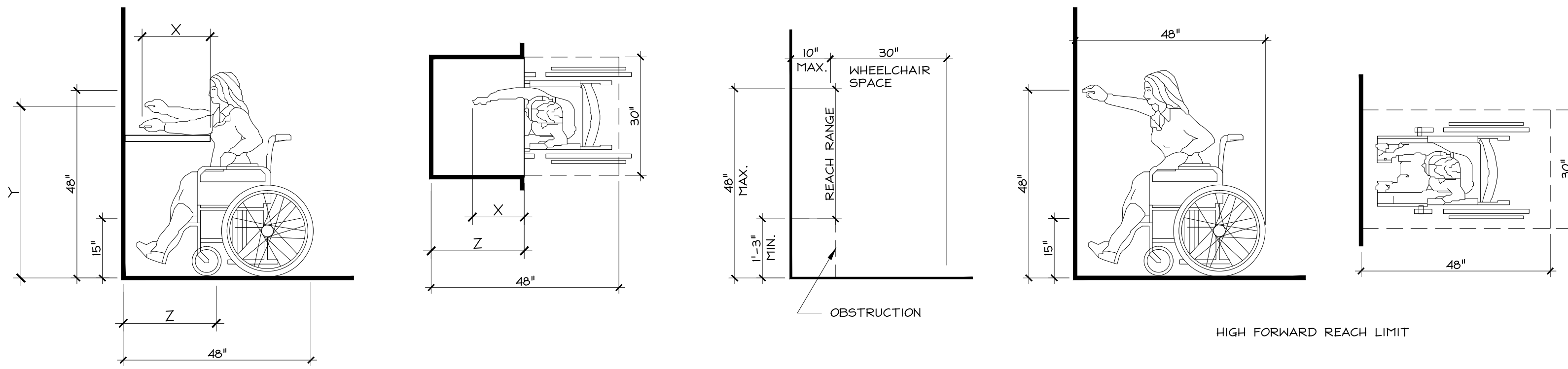
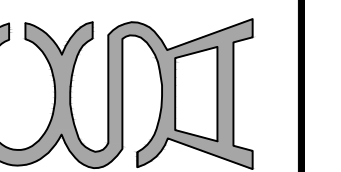
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CON-CHECK - SEPARATE ATTACHMENT

A-2

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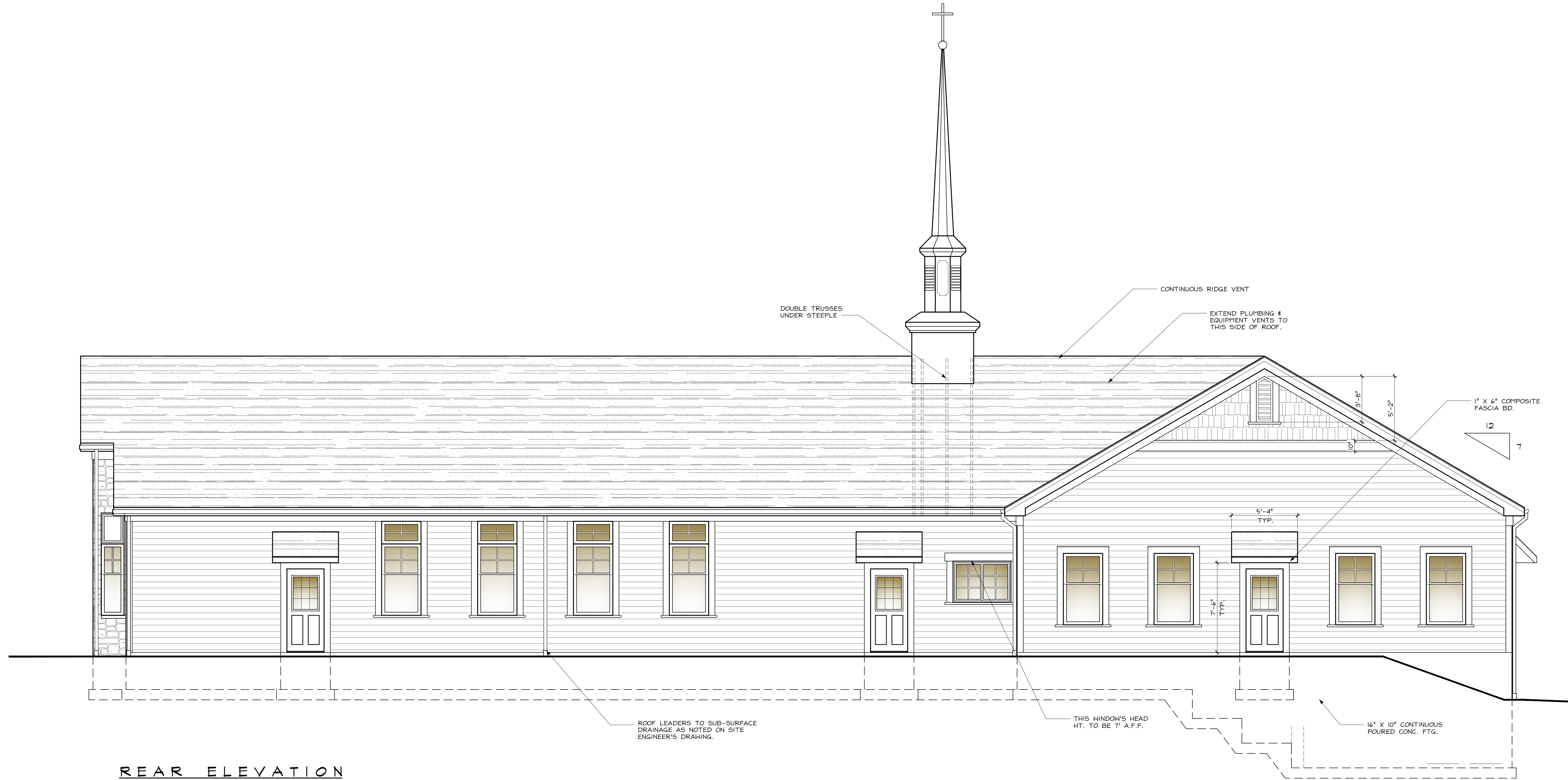


REACH LIMITS
 THE 30" X 48" WHEELCHAIR CLEAR FLOOR SPACE IS LOCATED 10" MAX. FROM THE WALL

NOTE: "x" SHALL BE ≤ 25"; "z" SHALL BE ≥ "x" WHEN "x" ≤ 20", THEN "y" SHALL BE 48" MAX. WHEN "x" IS 20" TO 25", THEN "y" SHALL BE 44" MAX.

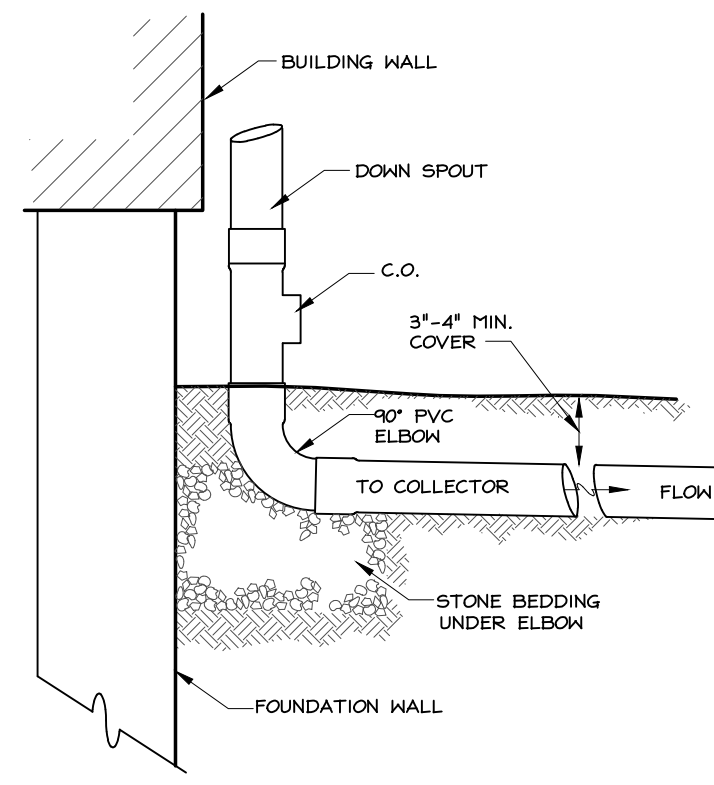
BARRIER-FREE CONTROL HEIGHT GUIDELINES

N.T.S. ADA REACH RANGE DIAGRAM(S) - ALL CONTROLS (OUTLETS, SWITCHES, ETC...) MUST BE WITHIN THESE HEIGHTS FOR THEIR RESPECTIVE APPROACHES.

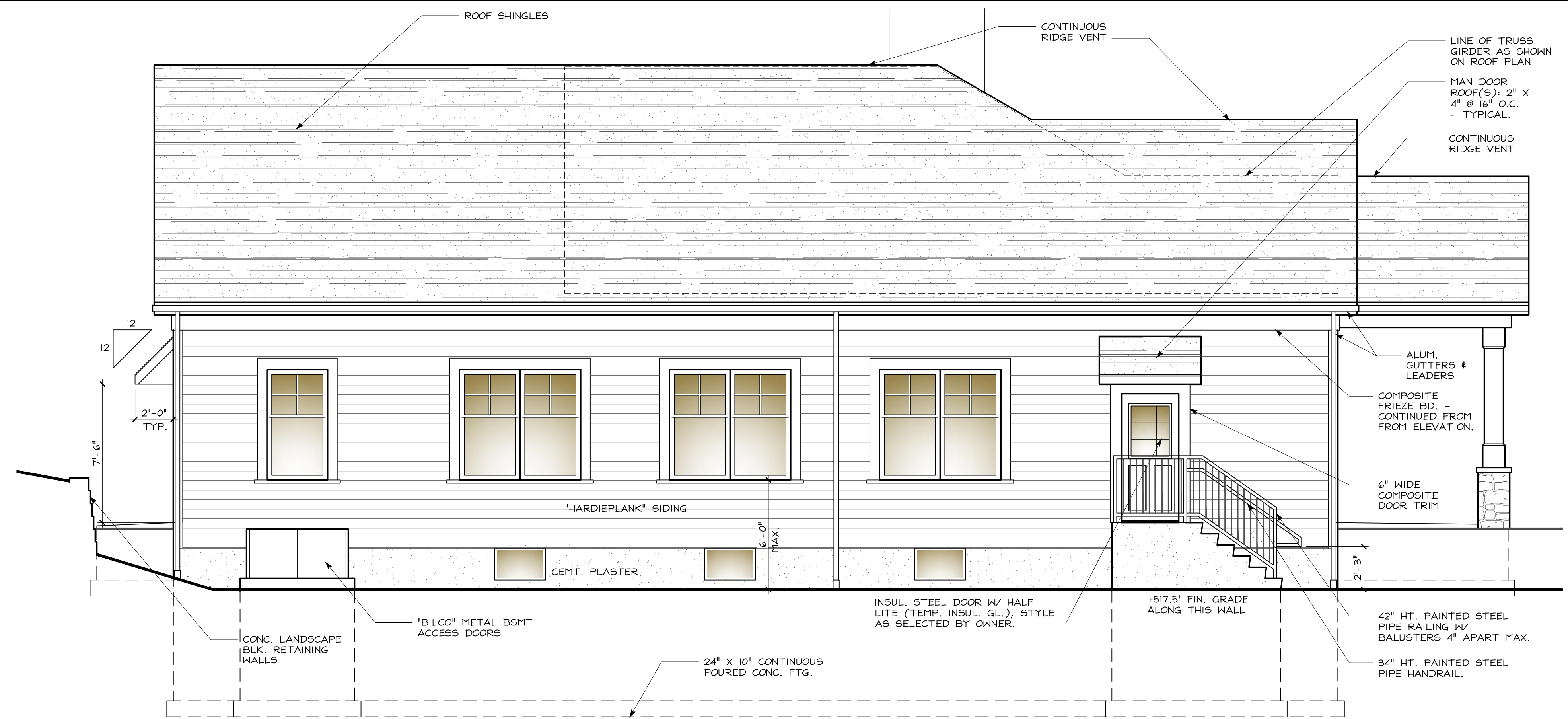


REAR ELEVATION

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



ROOF LEADER DETAIL
SCALE: N.T.S.

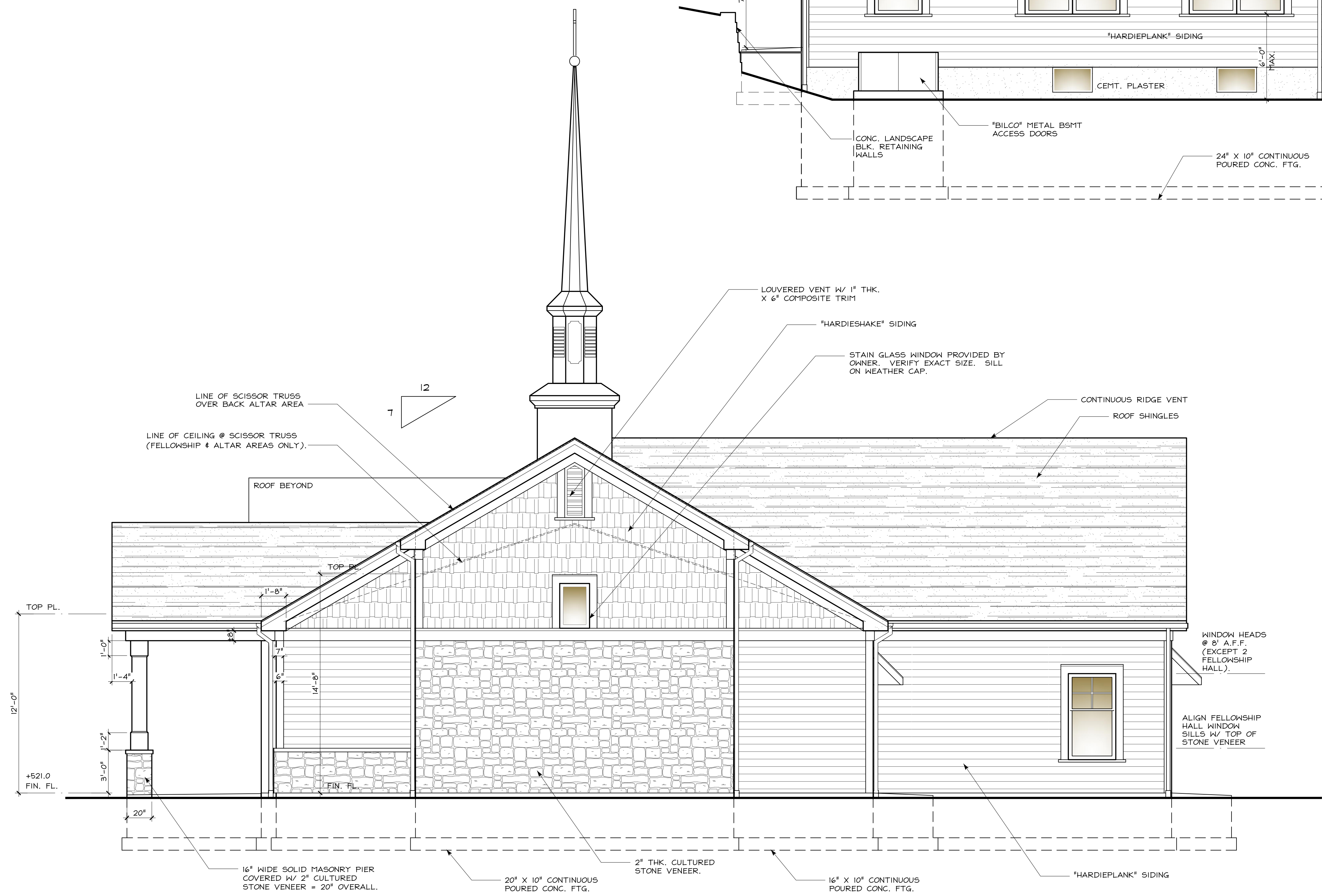


218-11

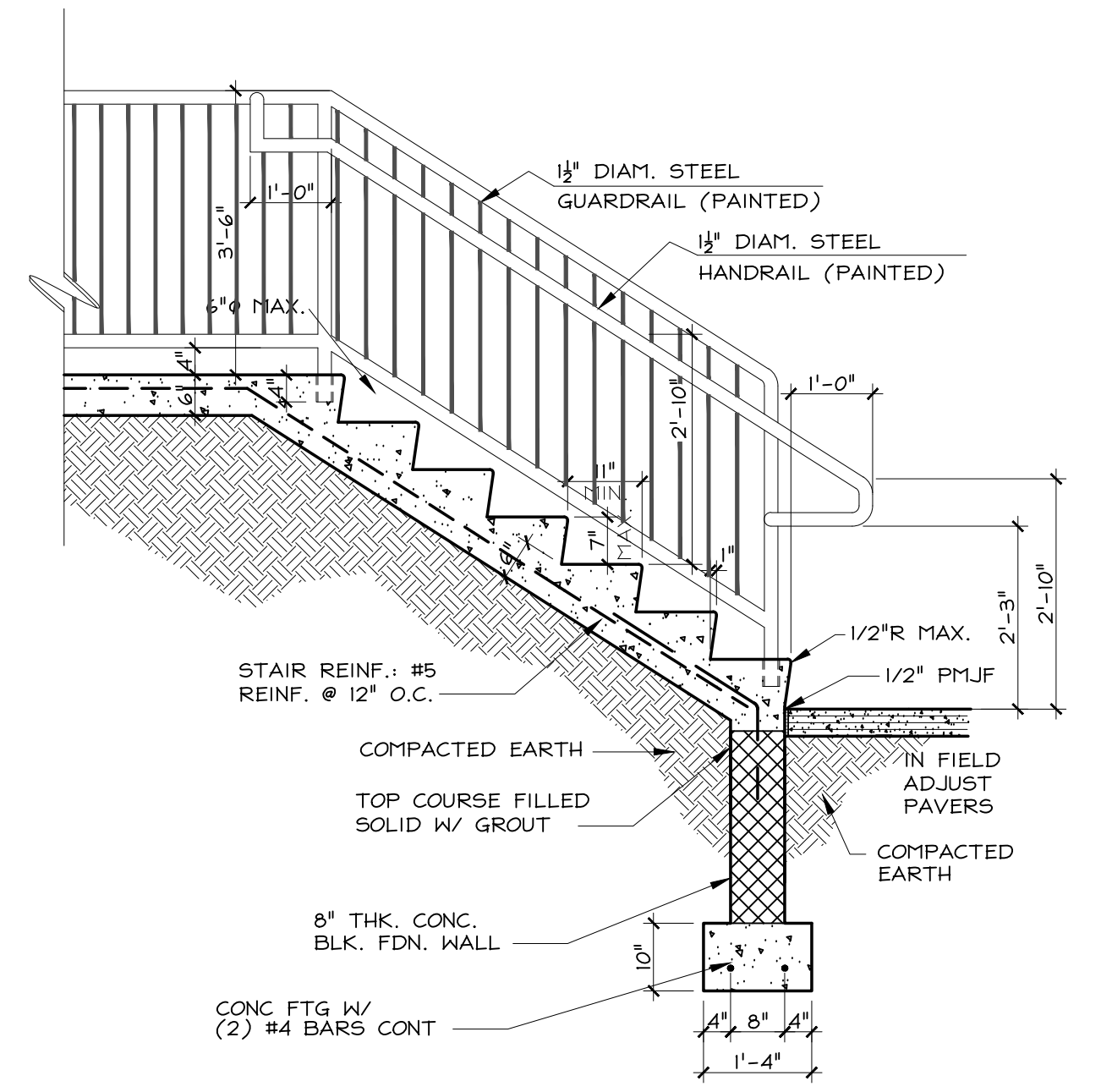
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- E-2 ELECTRICAL NOTES & DIAGRAMS
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CON-CHECK - SEPARATE ATTACHMENT



RIGHT SIDE ELEVATION
SCALE: 1/4" = 1'-0"



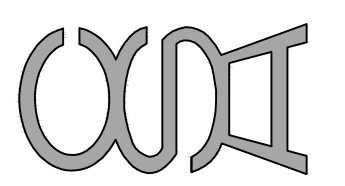
CONCRETE STAIR DETAIL
SCALE: 1/2" = 1'-0"

A-3

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date 10-23-13
drawn by MW
checked by

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CON-CHECK - SEPARATE ATTACHMENT

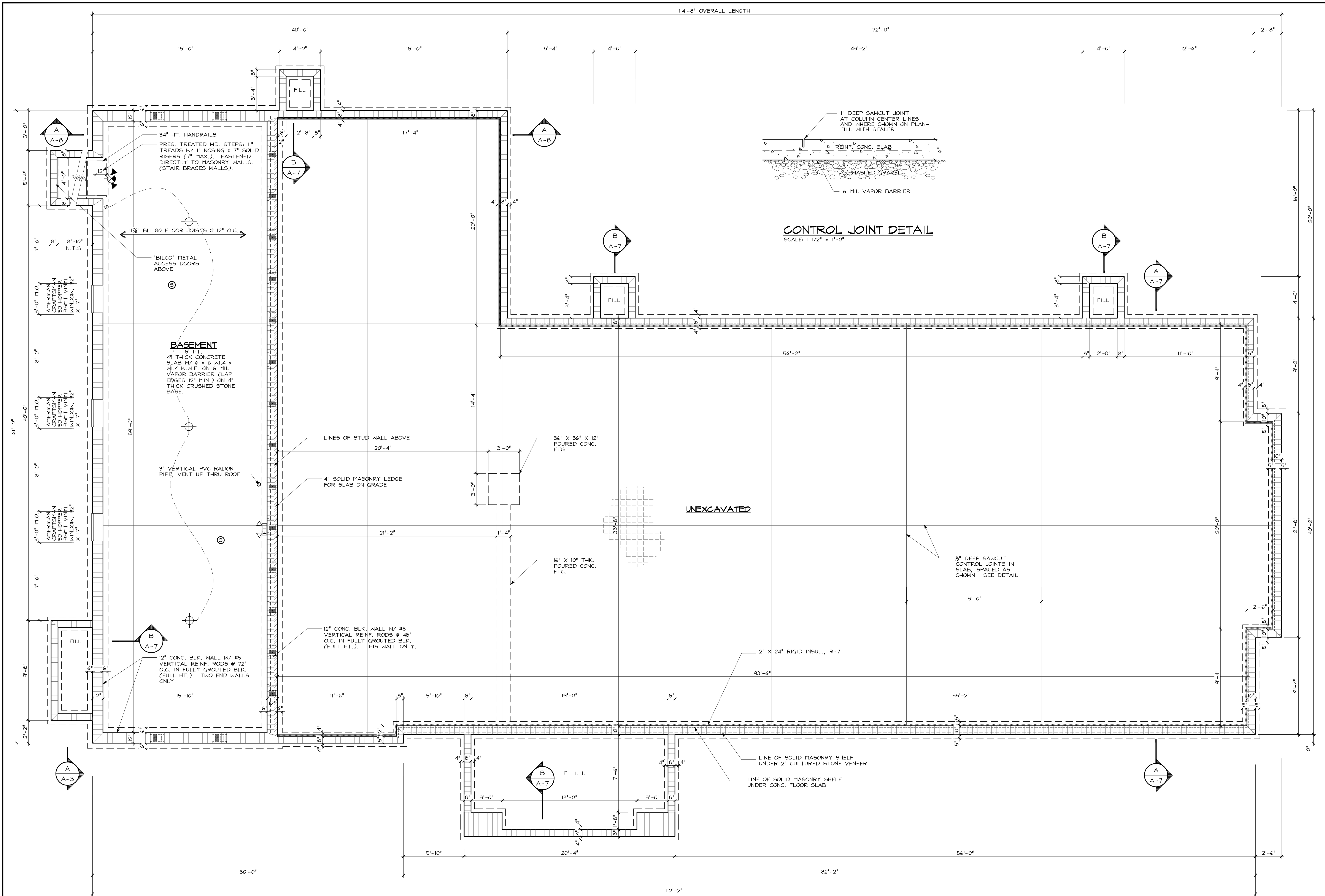
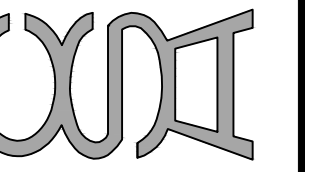
A-4

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date 10-23-13
 drawn by MW
 checked by

NEW CHURCH BUILDING FOR:
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FOUNDATION PLAN

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

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CON-CHECK - SEPARATE ATTACHMENT

A-5

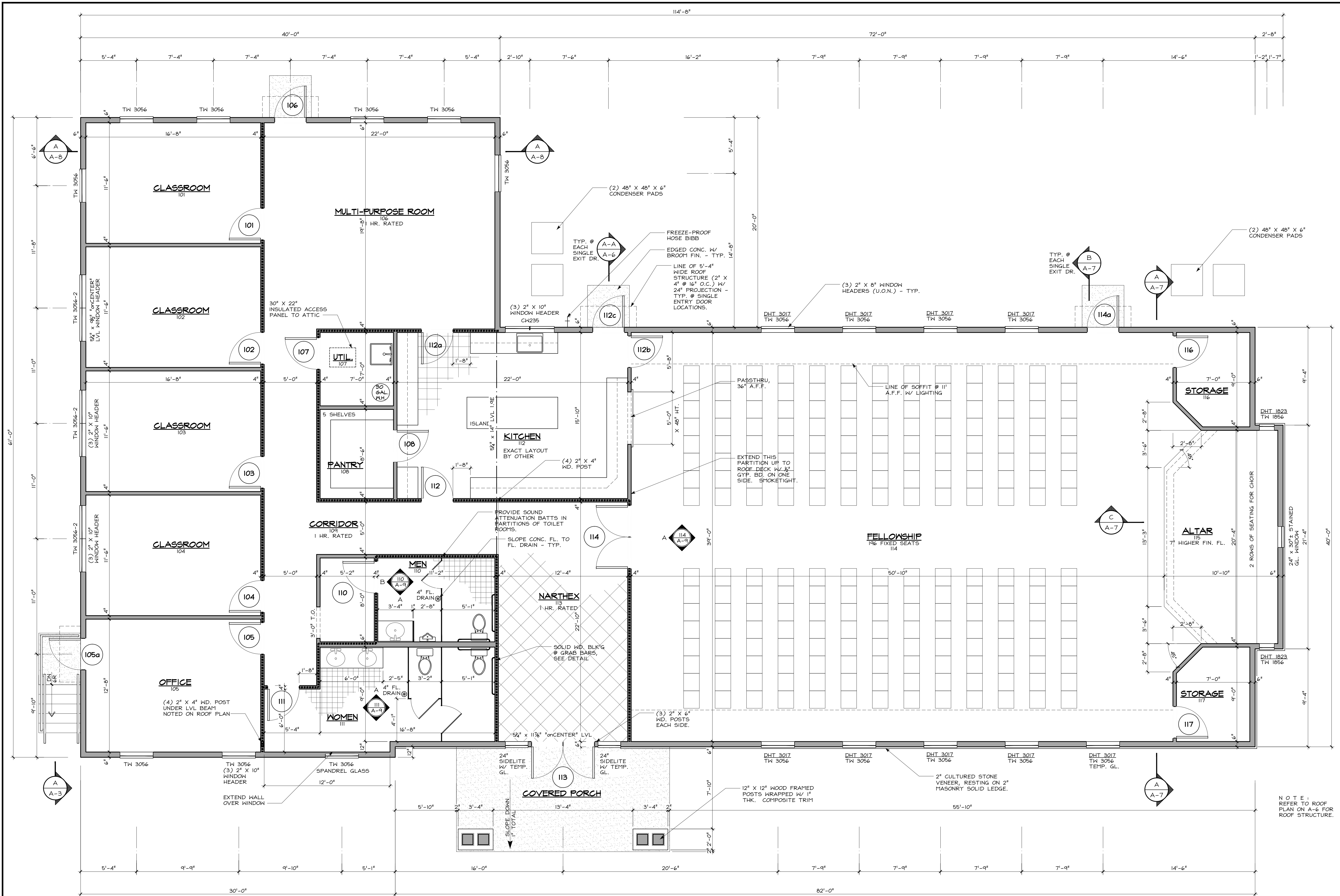
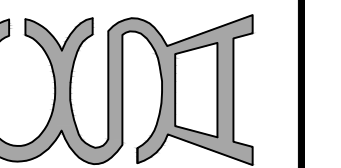
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FLOOR PLAN

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

NOTE:
REFER TO ROOF PLAN ON A-6 FOR ROOF STRUCTURE.

- A-1 FRONT ELEVATION & BLDG. CODE DATA
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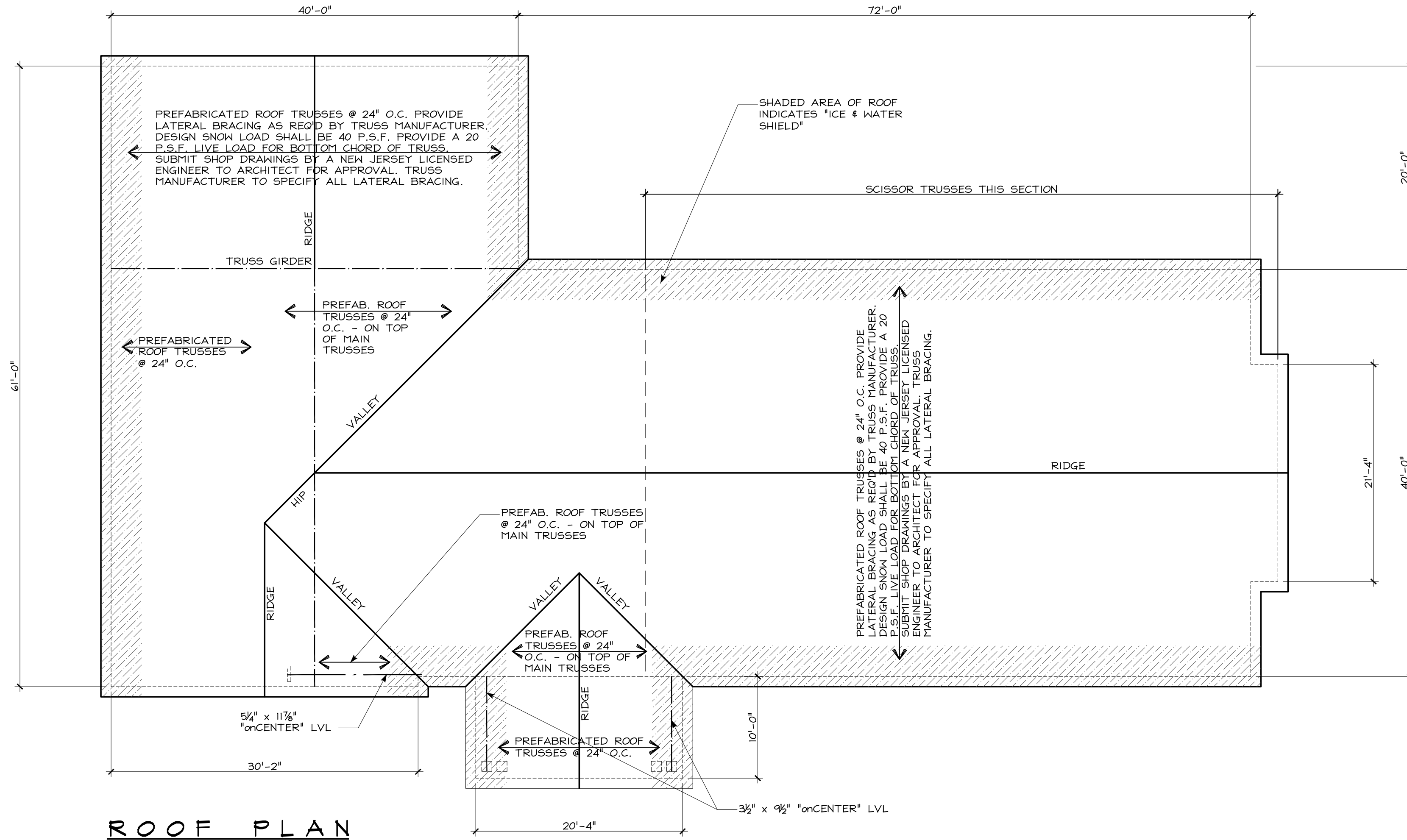
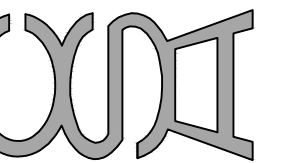
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NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ



FINISH SCHEDULE

No.	NAME	FLOOR		BASE		WALL		CEILING		REMARKS	
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	HT		
101	CLASSROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP. BD.	PAINT	ACT.	2'x4'	10'-0"	
102	CLASSROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
102a	CLASSROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
103	CLASSROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
104	CLASSROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
105	OFFICE	CONCRETE	CARPET	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
106	MULTI-PURPOSE RM.	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
107	UTILITY ROOM	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	FRP PANELS @ SINK
108	CLOSET	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
109	CORRIDOR	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
110	MEN	CONCRETE	C.T.	GYP BD	CT	GYP BD	CT/PT	ACT.	2'x4'	9'-0"	WASHABLE PAINT/SAN. COVE
111	WOMEN	CONCRETE	C.T.	GYP BD	CT	GYP BD	CT/PT	ACT.	2'x4'	9'-0"	WASHABLE PAINT/SAN. COVE
112	KITCHEN	CONCRETE	C.T.	GYP BD.	CT	GYP BD	PAINT	ACT.	2'x4'	10'-0"	FRP PANELS
113	NARTHEX	CONCRETE	C.T.	GYP BD.	CT	GYP BD	PAINT	ACT.	2'x4'	10'-0"	
114	FELLOWSHIP	CONCRETE	CARPET	GYP BD.	VINYL	GYP BD	PAINT	GYP. BD.	PAINT	---	MAINSOTT'G
115	ALTAR	CONCRETE	CARPET	GYP BD.	VINYL	GYP BD.	PAINT	GYP. BD.	PAINT	---	
116	STORAGE	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	
117	STORAGE	CONCRETE	VCT	GYP BD.	VINYL	GYP BD.	PAINT	ACT.	2'x4'	10'-0"	

INTERIOR FINISHES

PAINTED GYPSUM BOARD SHALL BE 'BENJAMIN MOORE'S' LATEX QUICK DRY PRIME SEAL FOLLOWED BY 2 COATS OF MOORE'S AQUAGLO APPLIED AS RECOMMENDED BY PAINT MANUFACTURER.

STEEL DOORS AND FRAMES SHALL HAVE FACTORY APPLIED RUST INHIBITIVE PRIMER AND RECEIVE 2 COATS OF MOORE'S ACRYLIC POLYURETHANE #423 SATIN.

WOOD DOORS SHALL BE STAINED WITH MOORE'S BENMOOD PENETRATING STAIN #234 FOLLOWED BY 2 COATS OF MOORE'S ACRYLIC POLYURETHANE #423 SATIN.

ACOUSTICAL CEILING TILE SHALL BE BY 'USG INTERIORS' ECLIPSE CLIMAPLUS ILLUSION CEILINGS (WHITE) WITH 'DONN' BRAND SUSPENSION SYSTEM.

VINYL COMPOSITION TILE SHALL BE 12"x12" ESSENTIALS AS MANUFACTURED BY 'MANNINGTON' COMMERCIAL, PROVIDE 4" VINYL BASE WITH PREFORMED CORNERS.

CERAMIC TILE SHALL BE EQUAL TO 'AMERICAN OLEAN'. WALL TILE TO BE 4"x4" AND FLOOR TILE 2"x2" WITH 4" COVE BASE.

SERVICE SINKS TO HAVE *FRP* OR WASHABLE EPOXY PAINT UP TO 12" IN FRONT OF AND TO THE SIDES OF THESE SINKS AND TO 48" A.F.F.

FIBERGLASS REINFORCED PANELS (FRP):

FIBERGLASS REINFORCED POLYESTER PANELS BY "LASCO", "KEMLITE" OR EQUAL. CREAM/ALMOND COLOR WITH EMBOSSED SURFACE FINISH.

DOOR SCHEDULE

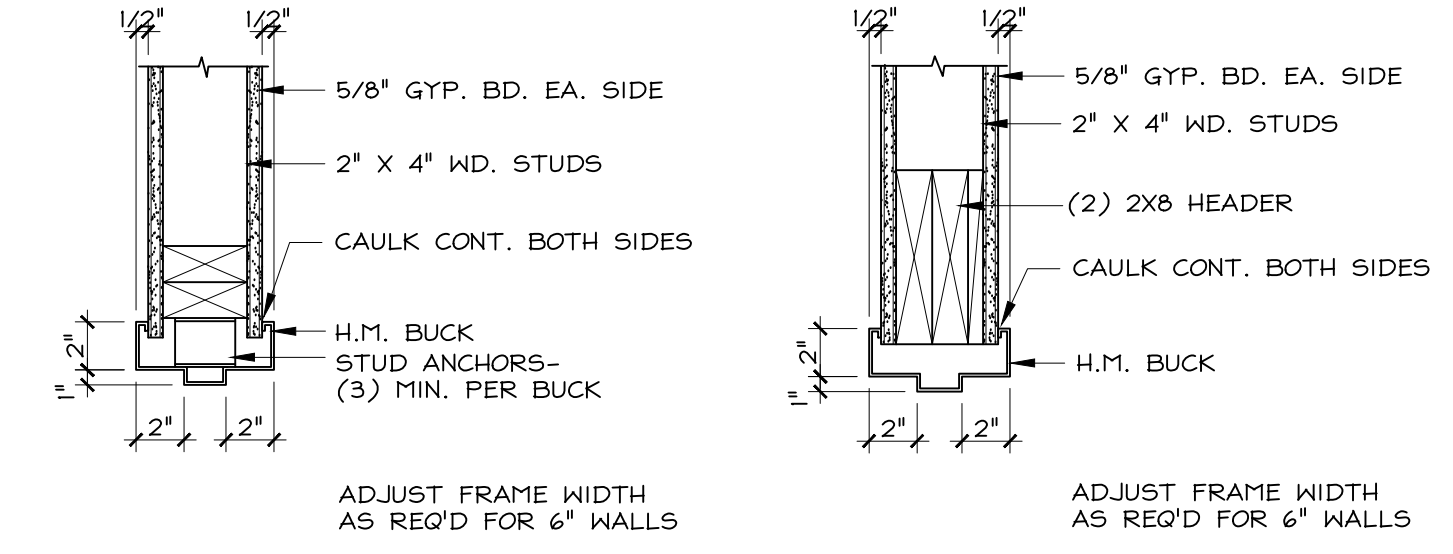
NO.	ROOM NAME	MATERIAL	DOOR			FRAME		SILL	CLOSER	LOCKS	FIRE RATING	REMARKS	
			WIDTH	HT	THK	MAT	FIN						
101	CLASSROOM	C	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
102	CLASSROOM	C	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
103	CLASSROOM	C	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
104	CLASSROOM	C	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
105	OFFICE	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
105a	OFFICE	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	ALUM. S2		INSUL., WEATHERSTRIPPED	
106	MULTI-PURPOSE RM.	C	H.M.	PAINT	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	ALUM. S2		INSUL., WEATHERSTRIPPED	
107	UTILITY ROOM	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
108	PANTRY	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT				
110	MEN	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	MARBLE S1			
111	WOMEN	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	MARBLE S1			
112	KITCHEN	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	----			
112a	KITCHEN	D	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	----			
112b	KITCHEN	B	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	----			
112c	KITCHEN	B	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	ALUM. S2			
113	NARTHEX	E	ALUM.	KYNAR	2'-3'-0"	8'-0"	---	ALUM.	KYNAR	ALUM. S2			WEATHERSTRIPPED
114	FELLOWSHIP	A	WD. S.C.	STAIN	2'-3'-0"	8'-0"	---	H.M.	PAINT	----			2 PAIRS HINGES
114a	FELLOWSHIP	C	H.M.	PAINT	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	ALUM. S2			INSUL., WEATHERSTRIPPED
116	STORAGE	B	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	----			
117	STORAGE	B	WD. S.C.	STAIN	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	----			

DOOR NOTES:

- PROVIDE "IVES" OR EQUAL #407 HALF CONCAVE WALL MOUNTED DOOR STOPS, BRUSHED ALUMINUM FINISH, WHEREVER LOCKSET OR DOOR WILL STRIKE WALL.
- PROVIDE 1 1/2 PAIR OF 4 1/2" x 4 1/2" HINGES PER DOOR, "STANLEY" OR EQUAL, CB 1900 LINE LIFE SPAN CONCEALED BEARING HINGES. FINISH TO MATCH LOCKSET.
- ON ALL EXTERIOR DOORS PROVIDE "ZERO INTERNATIONAL, INC." HEAD, JAMB AND SILL WEATHERSTRIPPING, MECHANICALLY FASTENED AND WITH NEOPRENE SEALER.
- FINISH HARDWARE SHALL BE EQUAL TO 'SCHLAGE', 'D' SERIES OR 'PD0'. PROVIDE "ATHENS" LEVER-TYPE HANDLES. ALL FINISHES SHALL BE NO. 605, BRUSHED ALUM.
- ALL LOCKSETS TO BE KEYED DIFFERENTLY WITH ONE MASTER KEY. PROVIDE 2 SETS OF KEYS PER LOCKSET. CONTRACTOR SHALL VERIFY ALL LOCK FUNCTIONS WITH OWNER PRIOR TO ORDERING. KEYING OF LOCK GROUPS SHALL BE AS DIRECTED BY OWNER.
- DOOR CLOSERS SHALL BE "YALE" OR EQUAL, 3300 BF SERIES IN LOCATIONS NOTED ON DOOR SCHEDULE. FINISH TO MATCH HARDWARE.

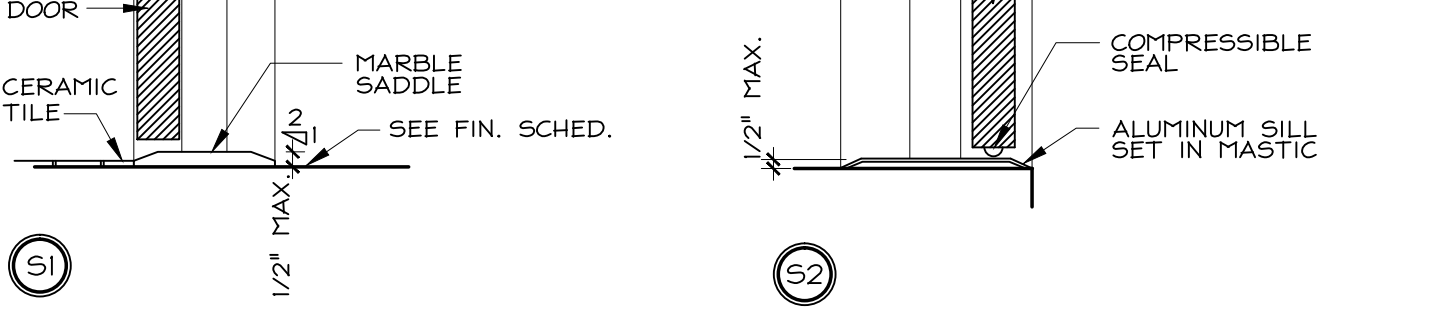
LOCKS:

- A - ENTRY LOCKSET
- B - CLASSROOM LOCKSET
- C - OFFICE LOCKSET
- D - PASSAGE LATCHSET
- E - STOREROOM LOCKSET
- F - ADA COMPLIANT PULLS W/ PANIC BAR

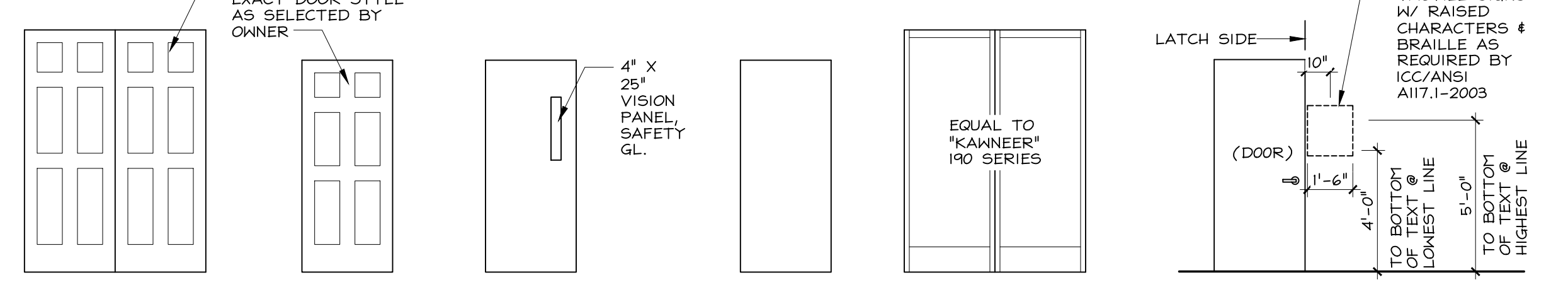


JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



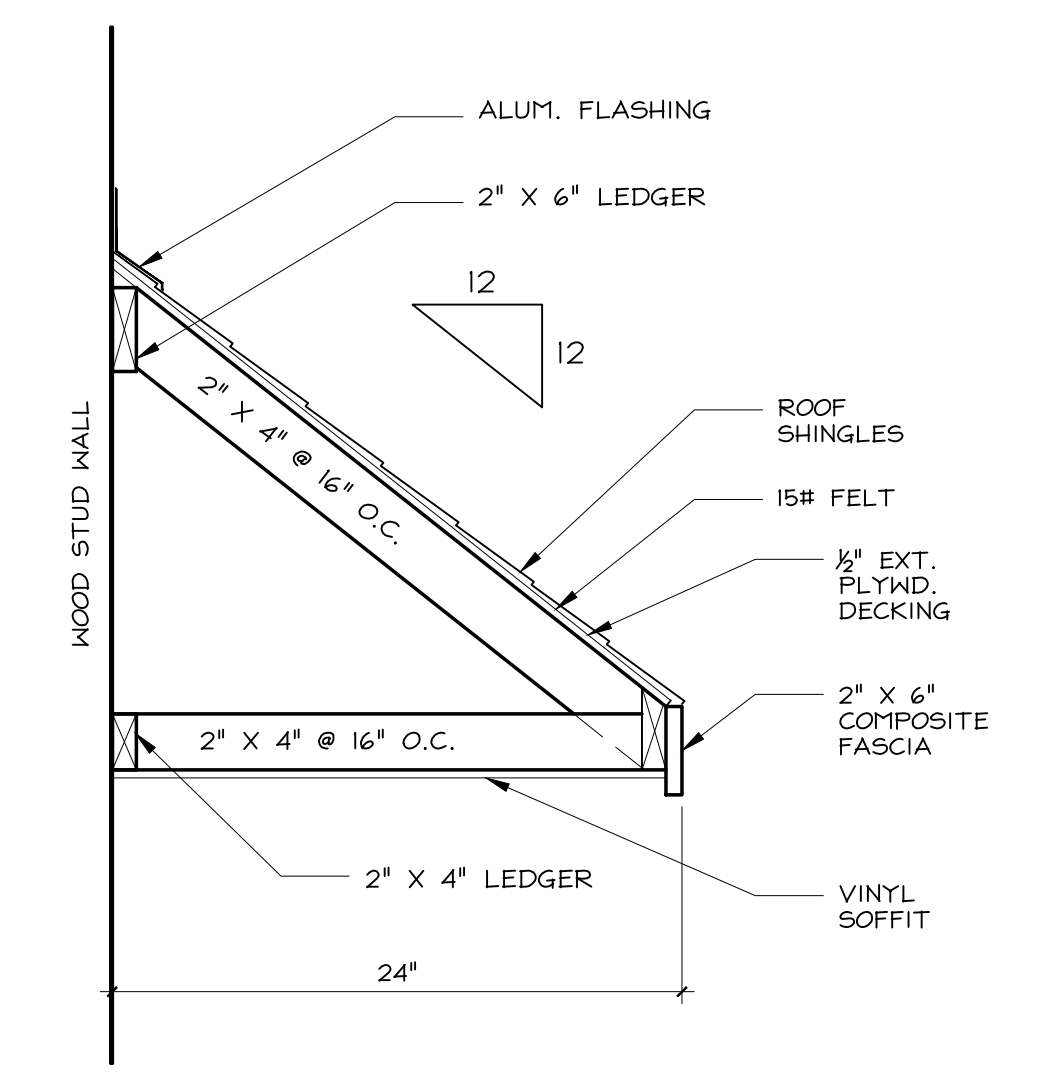
SILL DETAILS
SCALE: 1 1/2" = 1'-0"



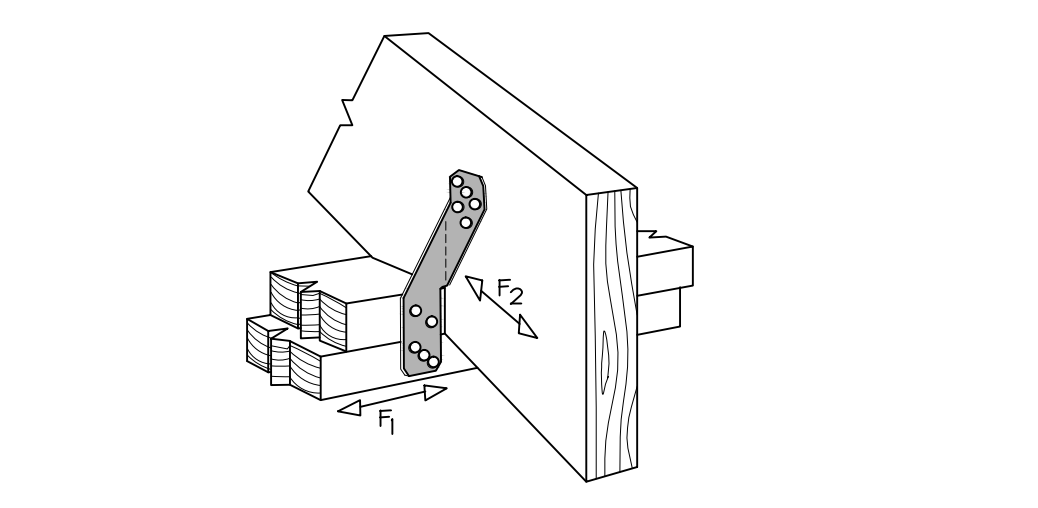
PROVIDE AND INSTALL ADA COMPLIANT SIGN AT LATCH SIDE OF DOOR DESIGNATING ROOM FUNCTION. GRAPHIC BRAILLE SIGNS BY SETON, INNERFACE OR EQUAL. LOCATE AT ALL RESTROOM DOORS.

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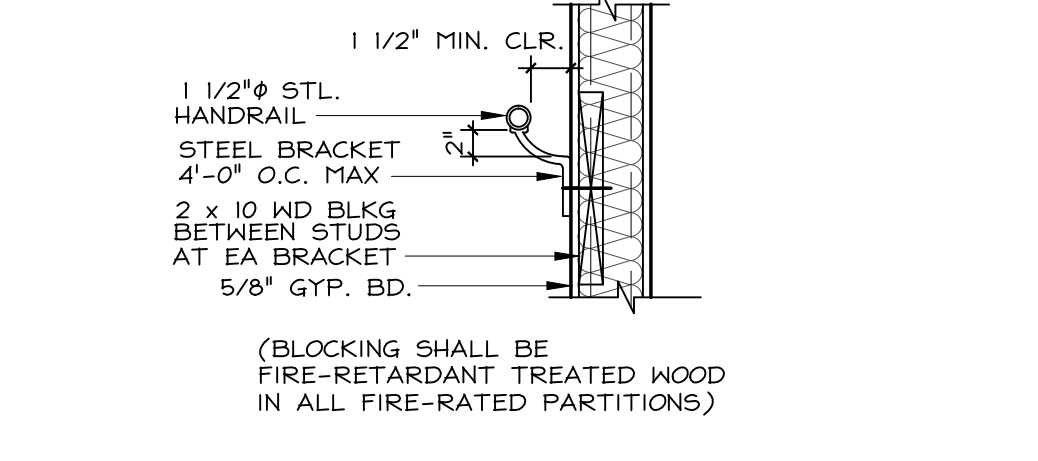
CON-CHECK - SEPARATE ATTACHMENT



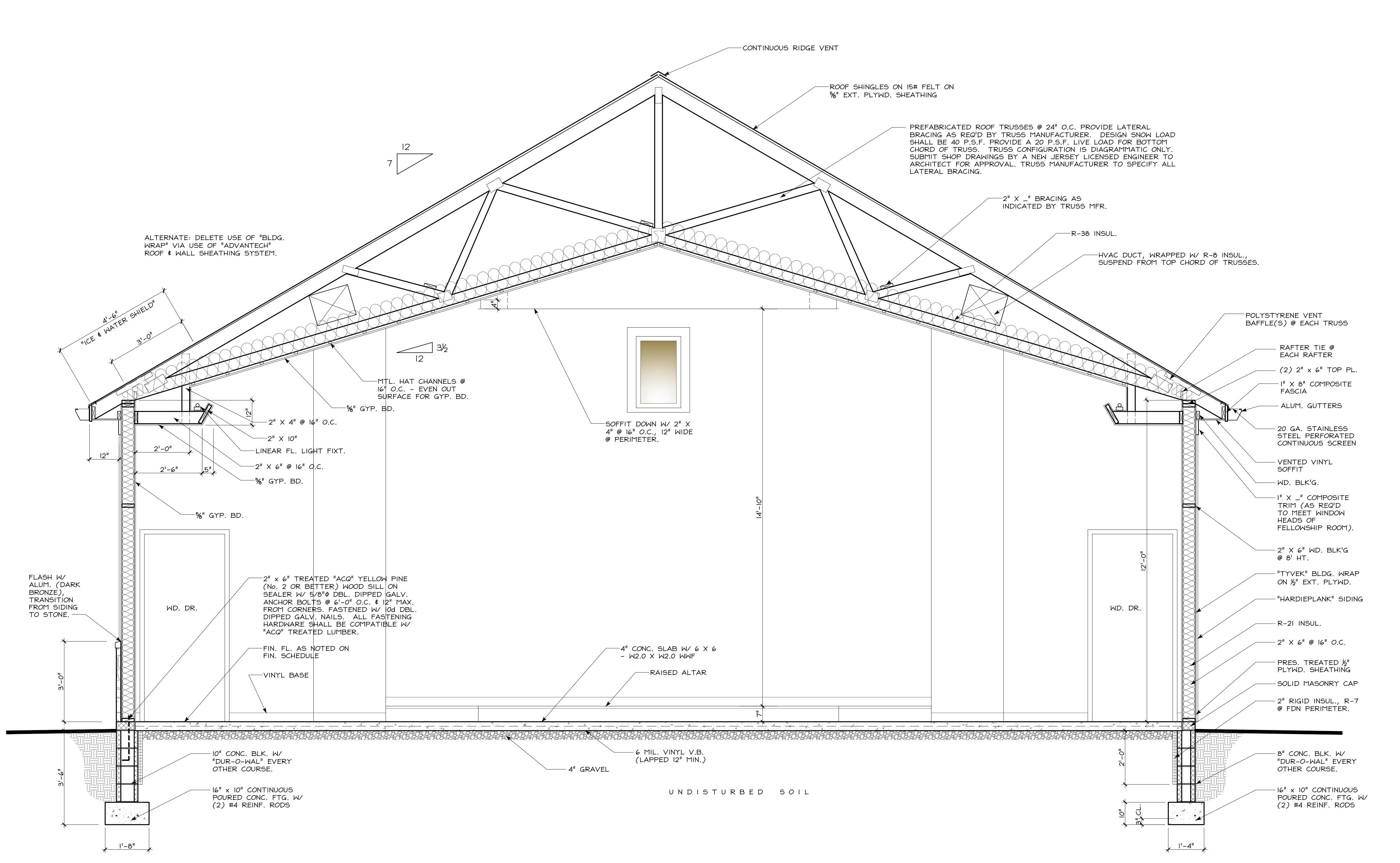
B ENTRY ROOF DETAIL
 SCALE: 1" = 1'-0"



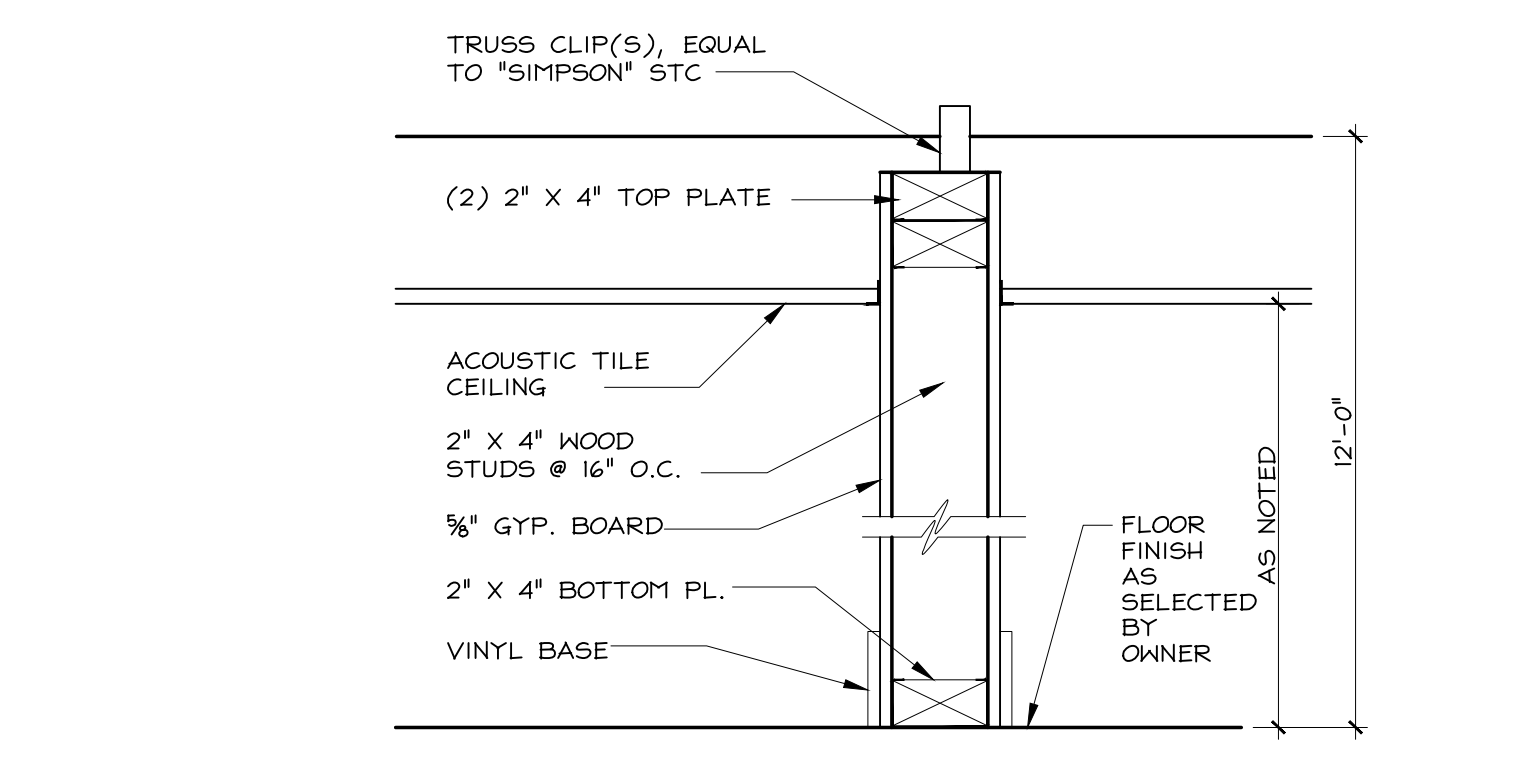
A-7 RAFTER TIE DETAIL
 NO SCALE



HANDRAIL DETAIL
 SCALE: 1" = 1'-0"

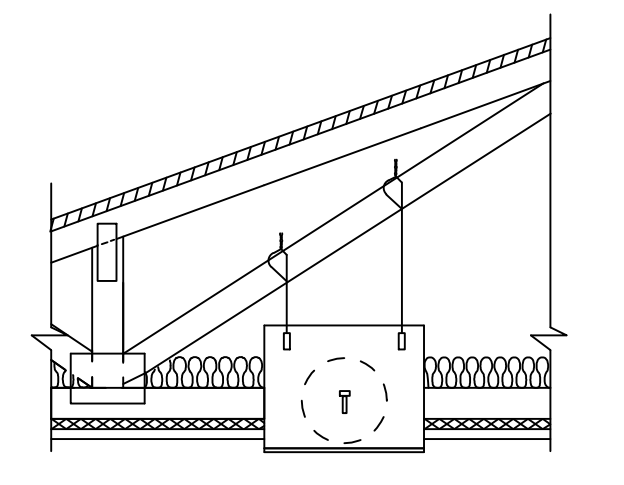


A CROSS SECTION
 SCALE: 1/2" = 1'-0"

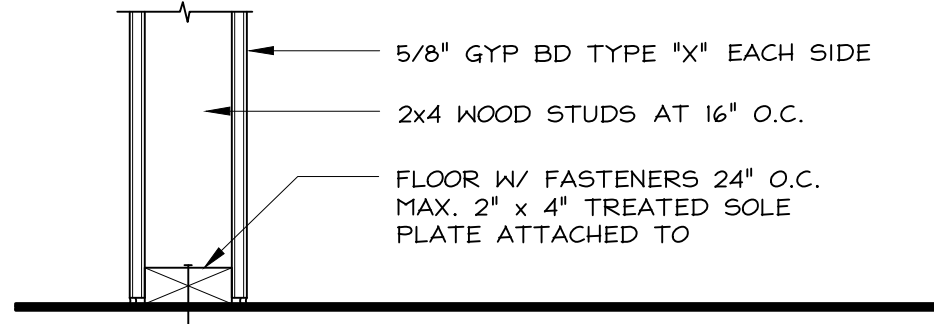


TYPICAL PARTITION DETAIL
 SCALE: 1-1/2" = 1'-0"

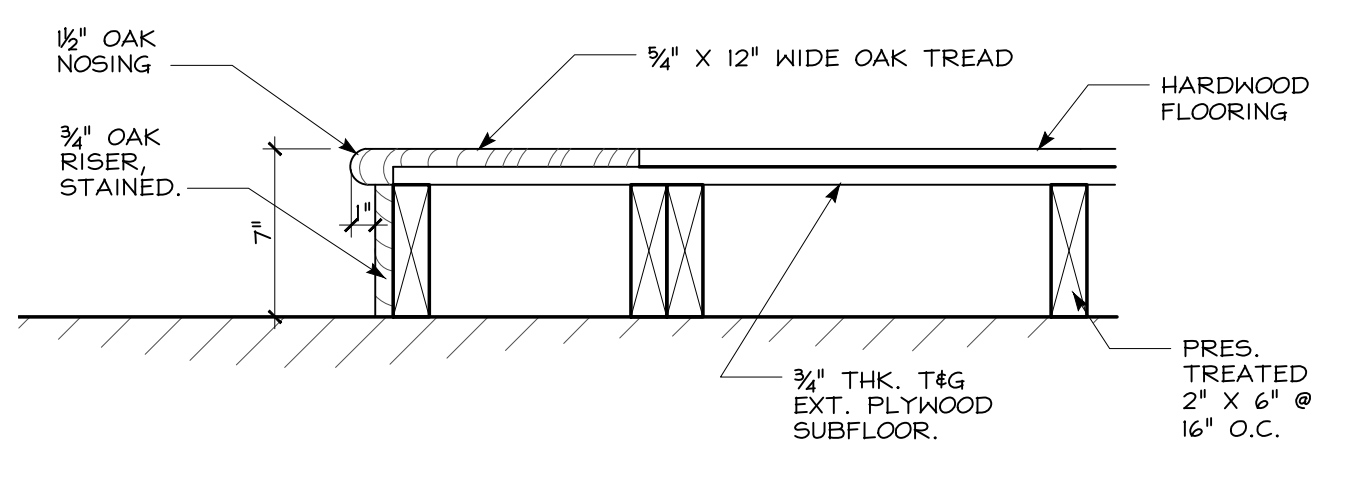
1 HR. RATED CEILING
 SCALE: 1" = 1'-0"



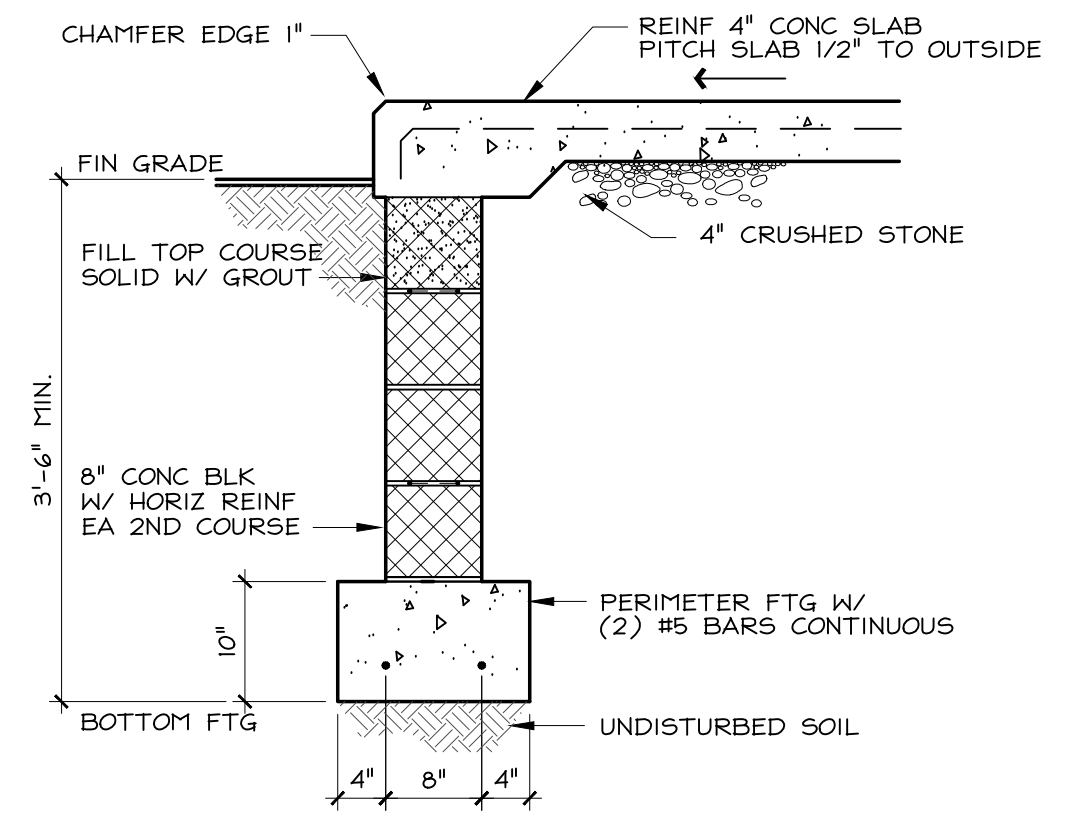
1 HR. RATED INT. PARTITION
 SCALE: 1-1/2" = 1'-0"



1 HR. RATED INT. PARTITION
 TRIM NOT SHOWN FOR CLARITY



C ALTAR PLATFORM DETAIL
 SCALE: 1 1/2" = 1'-0"
 ALL OAK TO BE 'FAS' GRADE RED OAK.



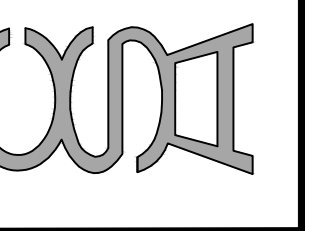
D FOUNDATION DETAIL
 SCALE: 3/4" = 1'-0"

A-7

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 ny 02258-1

date 10-23-13
 drawn by MM
 checked by

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 NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ



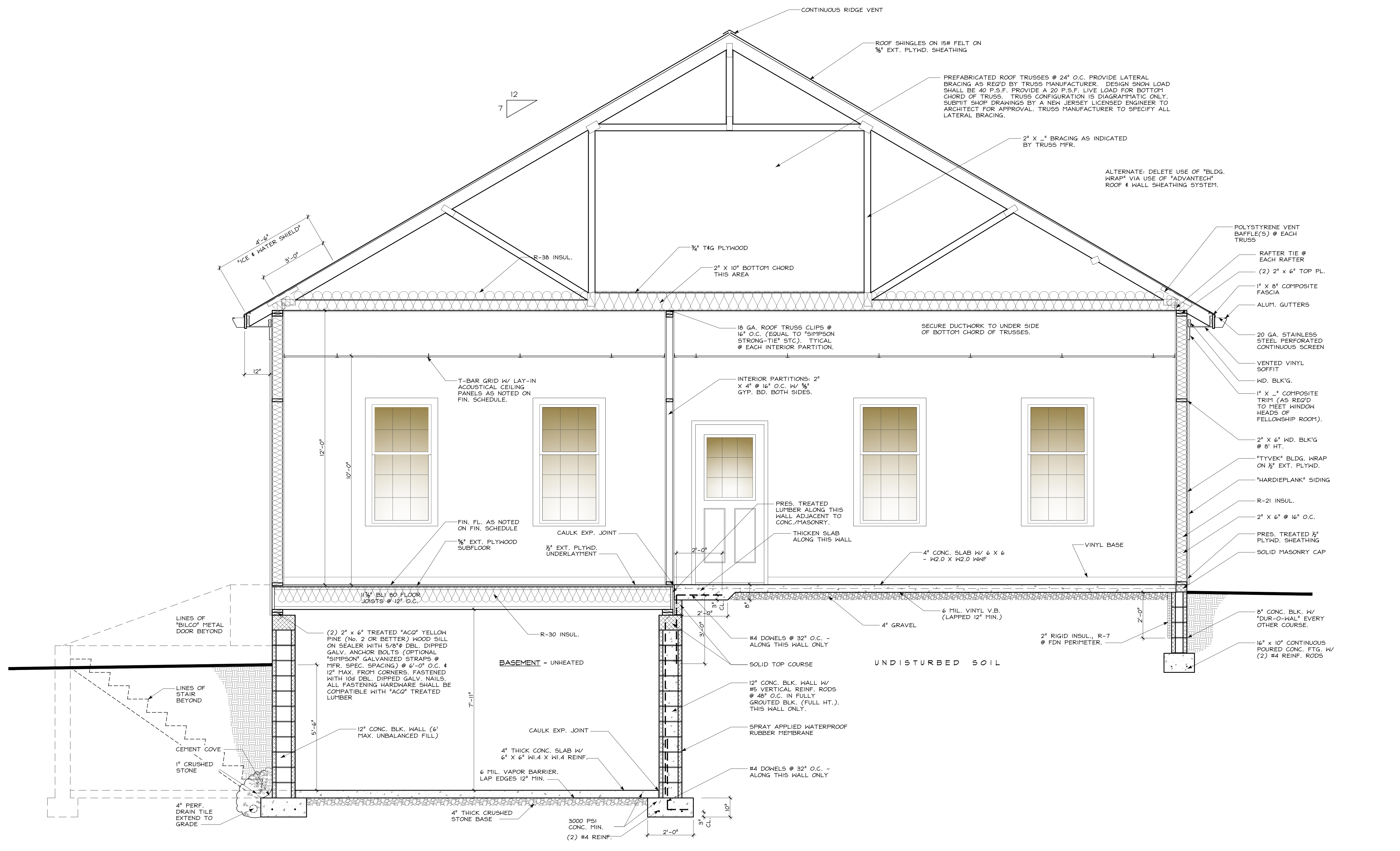
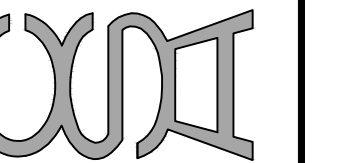
- A-1 FRONT ELEVATION & BLDG. CODE DATA
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- A-6 ROOF PLAN, DOOR / FINISH SCHEDULES & DETAILS
- A-7 BUILDING CROSS SECTION & DETAILS
- A-8 BUILDING CROSS SECTION & DETAILS
- A-9 INT. ELEVATIONS
- A-10 SPECIFICATIONS
- E-1 ELECTRICAL PLAN
- E-2 ELECTRICAL NOTES & DIAGRAMS
- F-1 PLUMBING DIAGRAM & NOTES

CON-CHECK - SEPARATE ATTACHMENT

A-8

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

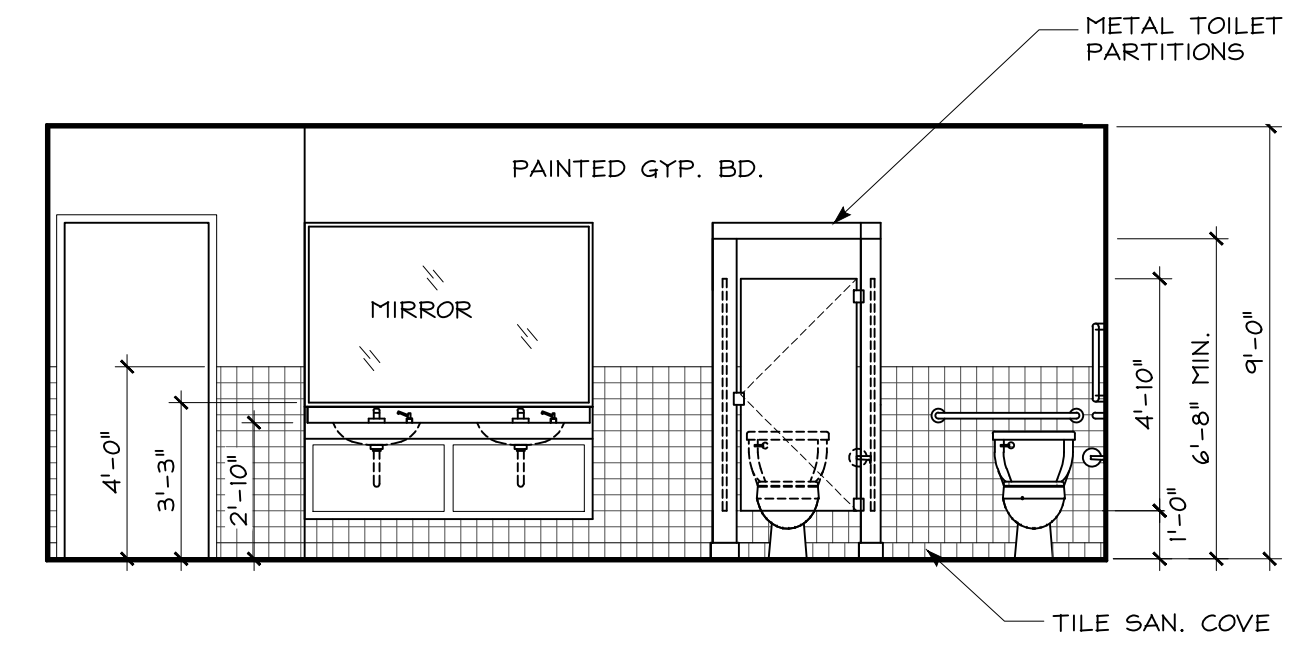
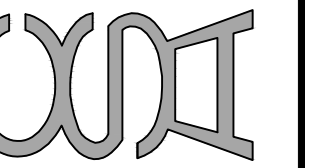
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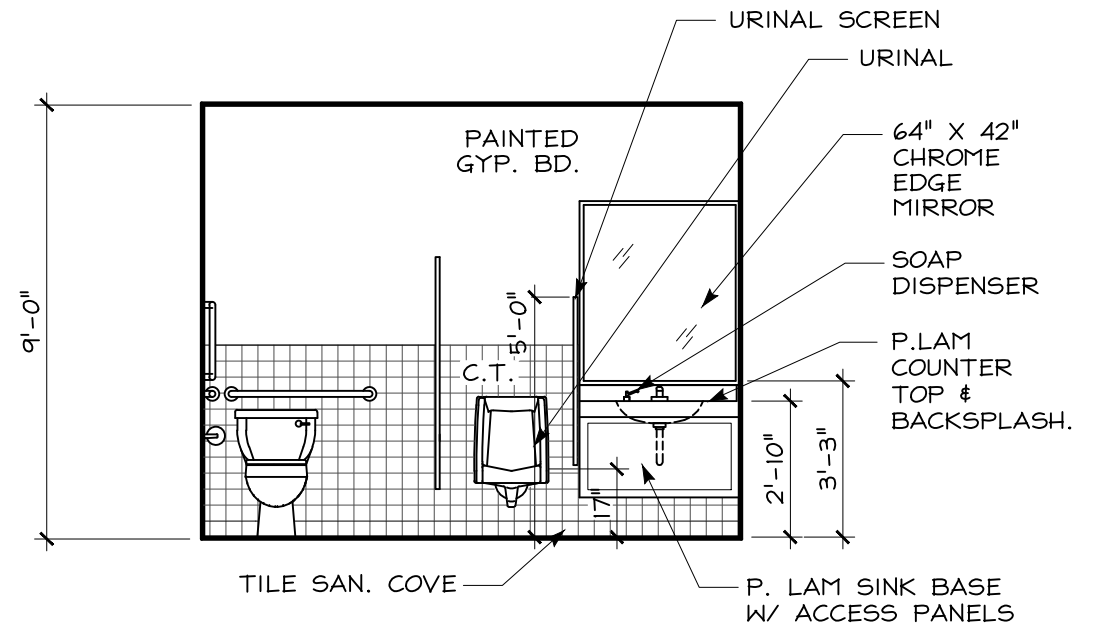
A-9

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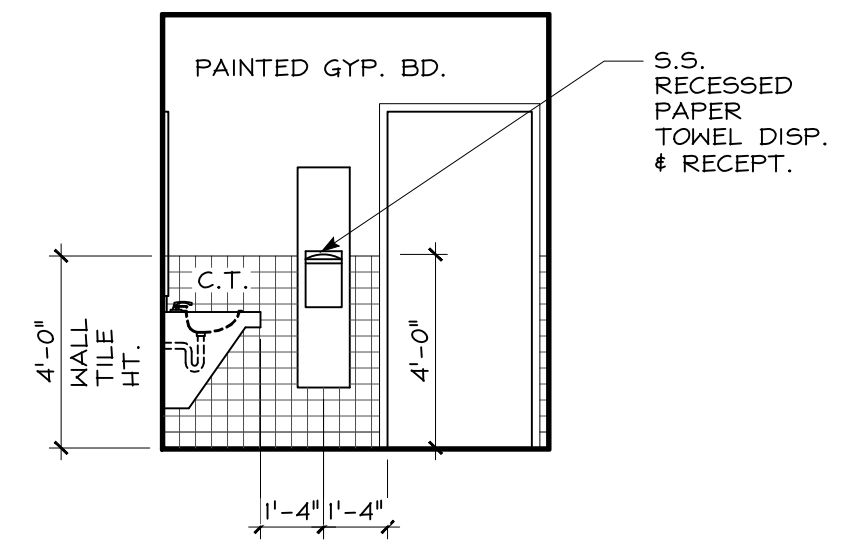
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 NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ



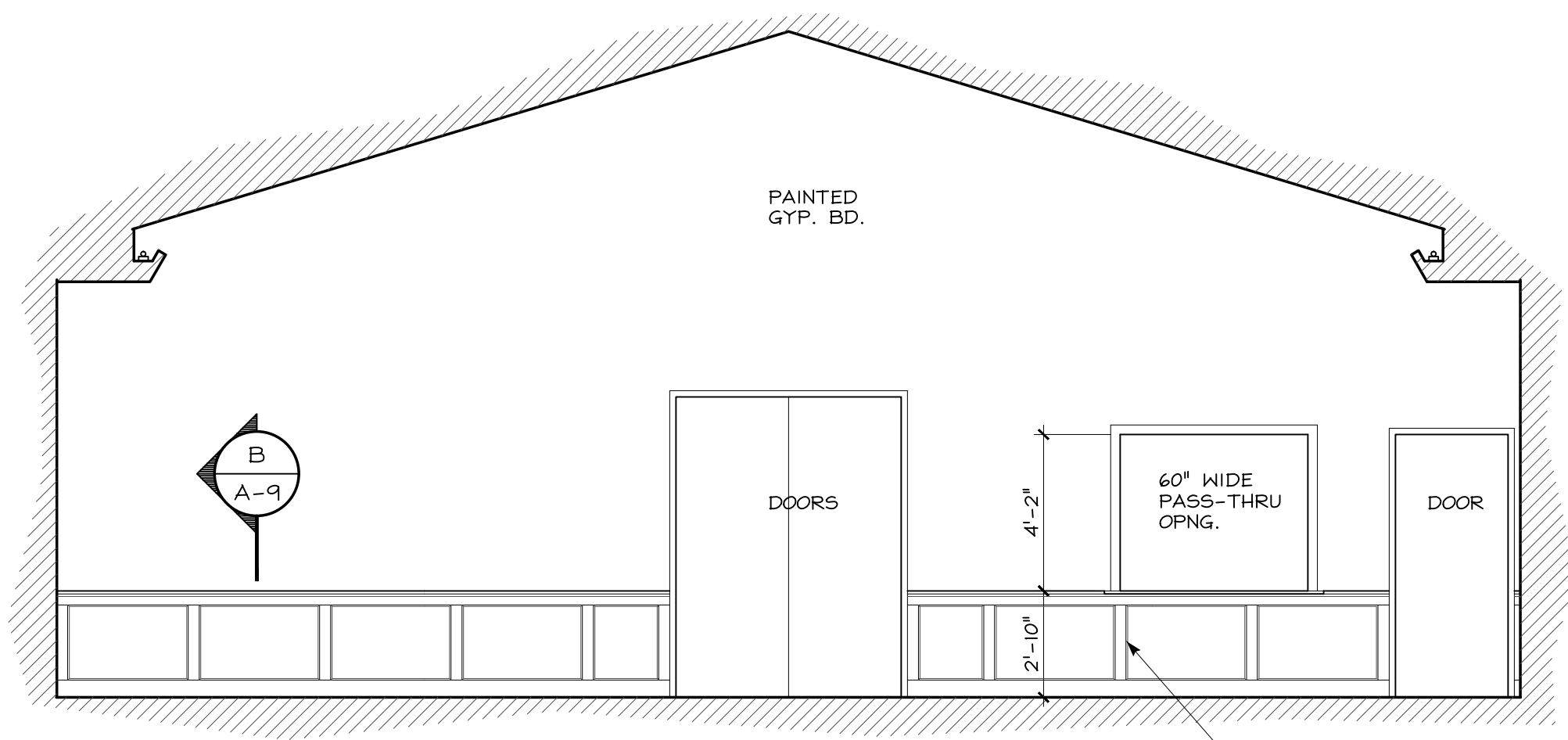
III ELEVATION - "A"
 A-9 SCALE: 1/4" = 1'-0"



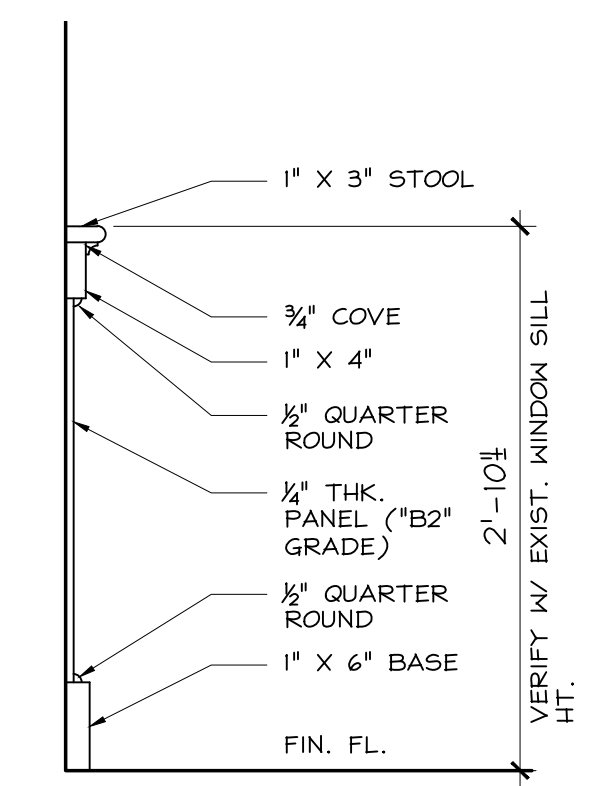
IIII ELEVATION - "A"
 A-9 SCALE: 1/4" = 1'-0"



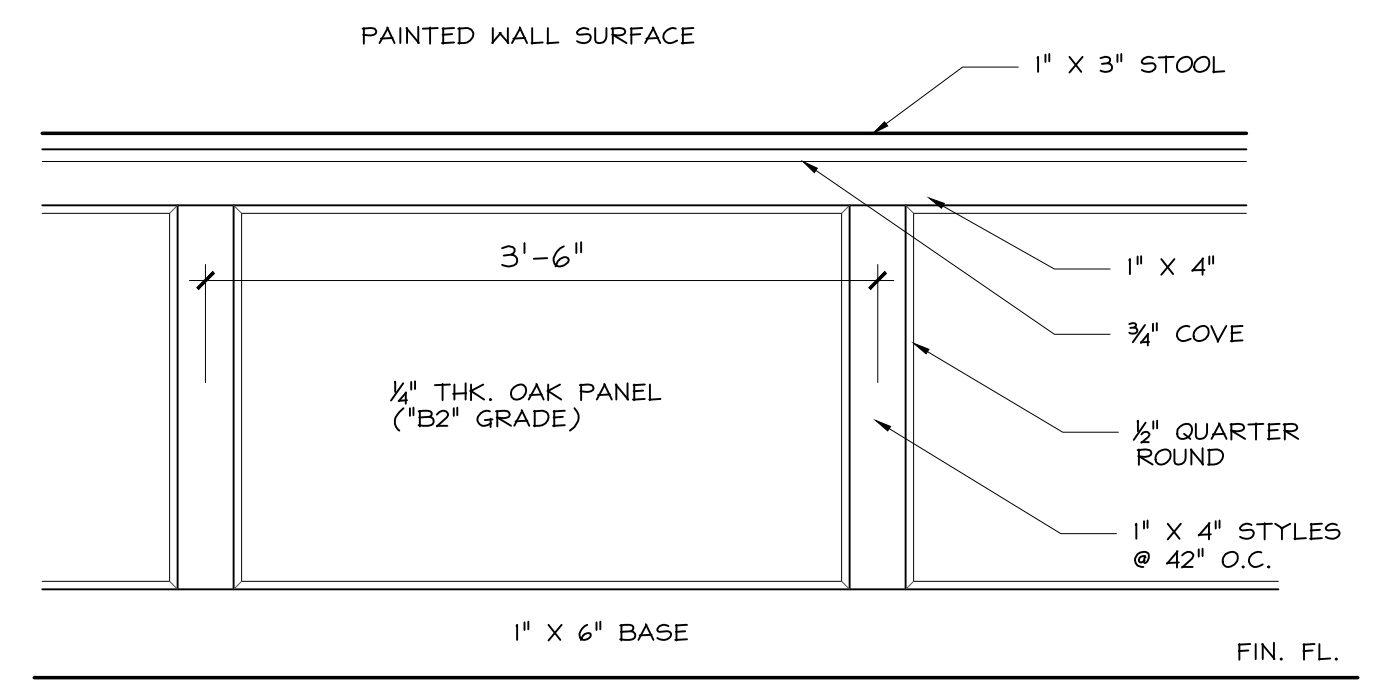
107 ELEVATION - "B"
 A-9 SCALE: 1/4" = 1'-0"



114 ELEVATION - "A"
 A-9 SCALE: 1/4" = 1'-0"

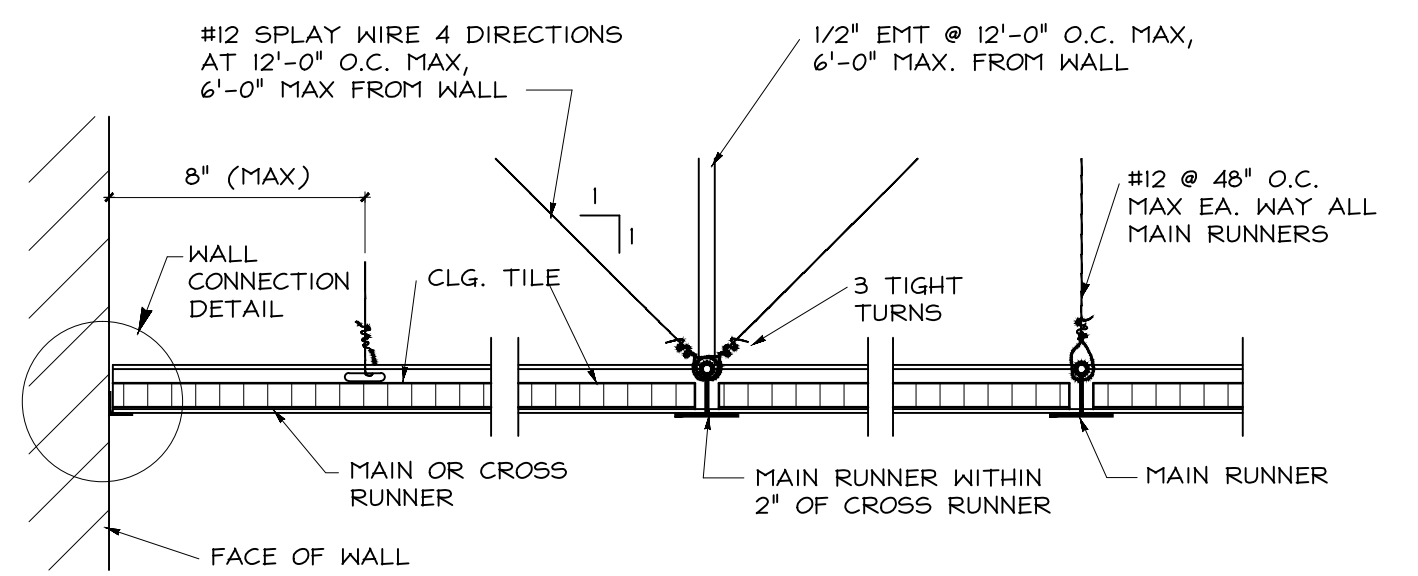
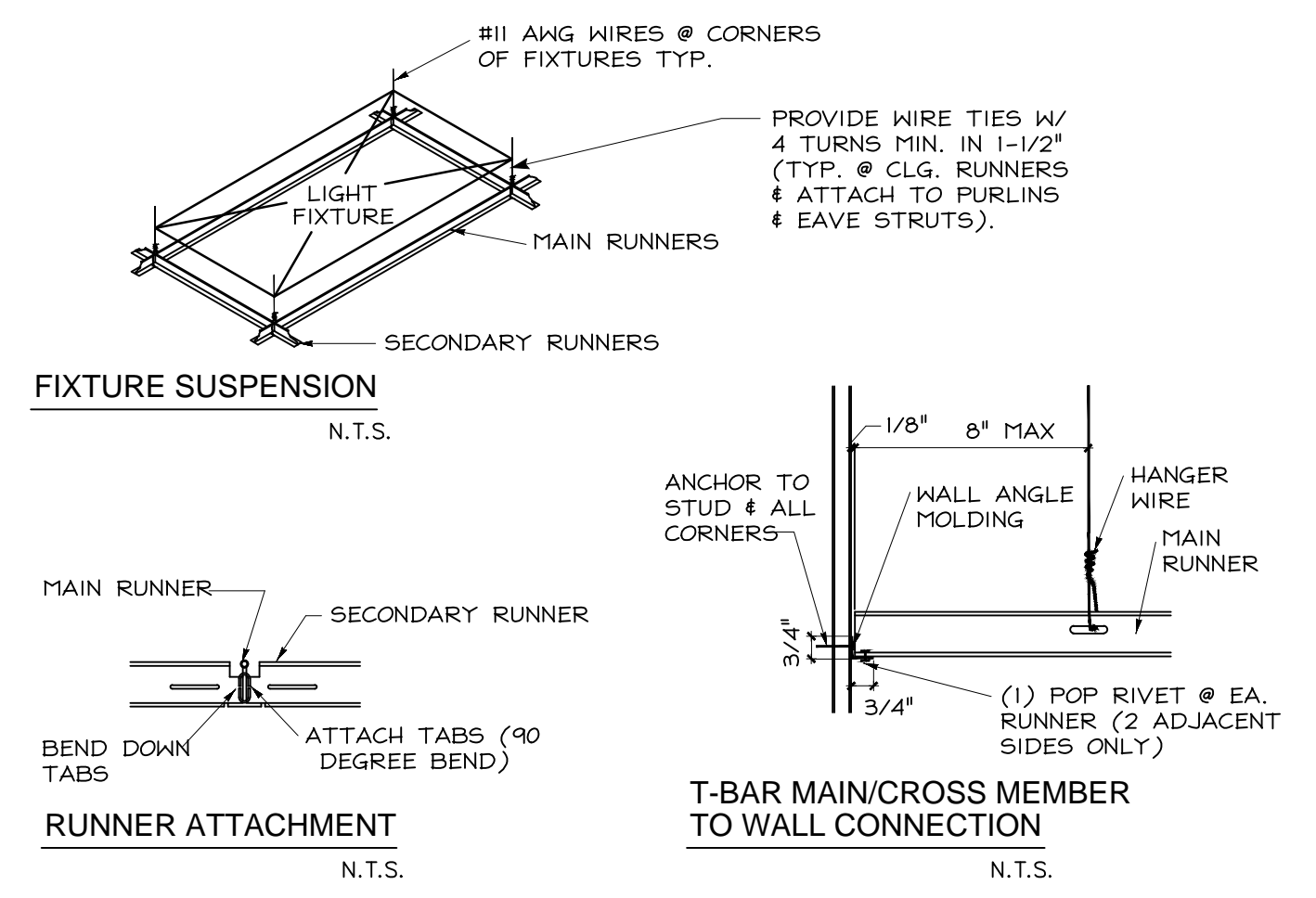


ALL TRIM SHALL BE "FAS" GRADE RED OAK, STAINED (AS SELECTED BY OWNER) & POLYURETHANED (SATIN FIN.).

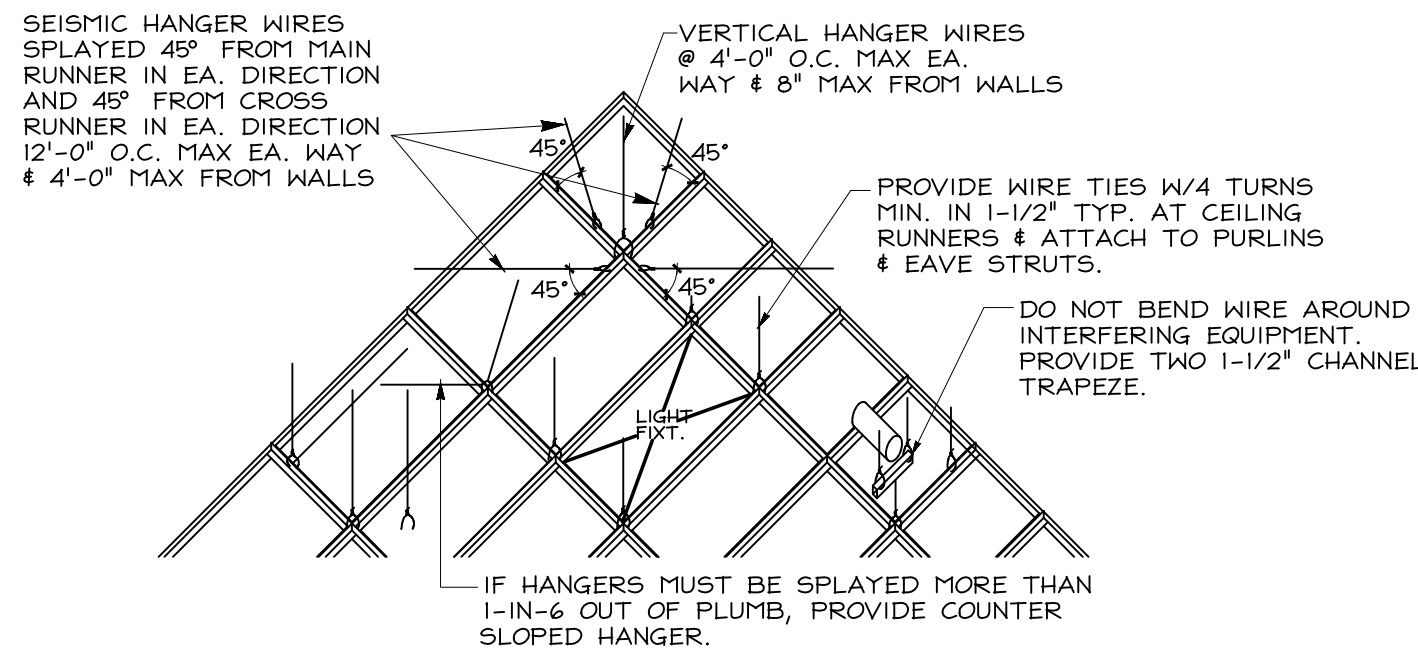


ELEVATION

B WAINSCOT DETAIL
 A-9 SCALE: 1" = 1'-0"



SUSPENDED CEILING
 N.T.S.



TYP. REINF. SUSPENDED CEILING BRACING DETAIL
 NO SCALE

- HANGER WIRES MUST BE NO. 12 GA. MIN. SOFT-ANNEALED, MILD STEEL WIRE. WIRES SHALL BE WRAPPED TIGHTLY AT RUNNERS AND SUPPORTS & TIED WITH A MIN. OF 3 TURNS.
 - CLIPS SHALL HOLD RUNNERS TIGHTLY TOGETHER. SPLICE CLIPS SHALL BE CAPABLE OF RESISTING AT LEAST 50 LBS. IN TENSION OR COMPRESSION.
 - LOCAL KINKS AND BENDS SHALL NOT BE MADE IN HANGER WIRES FOR LEVELING.
 - RUNNERS SHALL BE CAPABLE OF SUPPORTING CEILING SYSTEM WITH DEFLECTIONS LESS THAN 0.133 INCH.
- N O T E S : SEISMIC BRACING REQUIREMENTS AND DETAILS ARE BASED ON THE INTERNATIONAL BUILDING CODE.

GENERAL NOTES

All work shall be done in conformance with the regulations and requirements of the N.J. Uniform Construction Code and all local ordinances.

Contractor shall field verify all dimensions prior to any construction. Notify Architect of any discrepancies.

Contractor shall provide a chain link safety fence around work area.

CLEANING

Retain stored items in an orderly arrangement allowing maximum access, not impeding traffic or drainage, and providing required protection of materials.

Provide adequate storage for all items awaiting removal from the job site.

Building structure shall be kept as clean as possible. Remove all traces of soil, waste materials, smudges, and other foreign matter accumulated by new construction. Remove all traces of splashed materials from adjacent structures.

Visually inspect interior surfaces and remove all traces of soil, waste materials, smudges and other foreign matter. Remove paint droppings, spots, stains, and dirt from finished surfaces.

Following the installation of finish floor materials, clean the finish floor daily at all times while work is being performed in that specific area.

Schedule final cleaning as approved by the Architect to enable the Owner to accept a completely clean work. Finish cleaning shall be interpreted as meaning the level of cleanliness generally provided by skilled cleaners using commercial quality building maintenance equipment and materials.

Contractor shall follow the manufacturer's instructions for the cleaning of individual materials, and he shall verify that cleansing methods or agents will not damage the materials being cleaned. Contractor shall maintain progress cleaning during construction, not allowing the accumulation of scrap, debris, and excessive dirt.

EARTHWORK AND FILL

Excavate along perimeter walls as shown on the Foundation Plan. All trenching shall extend to virgin soil. Excavation and pouring of the footings shall be performed in close sequence due to the nature of the soil. Prevent surface water and non-surface or ground water from flowing into excavation and from flooding site and surrounding area. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil changes detrimental to the stability of sub-grades and foundations. Provide and maintain sumps, suction and discharge lines, and other de-watering system components necessary to convey water away from excavation.

Should uncharted, or incorrectly charted, piping or other utilities be encountered during excavation, consult utility owner immediately for directions. Cooperate with the Owner and utility companies in keeping respective services and facilities in operation. Repair damage to utilities to the satisfaction of the utility owner.

Stockpile satisfactory excavated materials where directed, until required for backfill or fill. Place, grade and shape stockpiles for proper drainage. Locate and retain soil materials away from edge of excavations. Dispose of excess soil material and waste material from site.

All fill placed within the building shall be bank-run gravel or crushed stone with 90% of the stones less than 2" in diameter. All fill shall be placed in 12" maximum lifts and each layer of backfill or fill material at 95% maximum dry density or 90% relative dry density. Take care to prevent wedging action of backfill or fill against structures by carrying material uniformly around structure approximately same elevation in each lift. Grade earthwork to elevations as shown.

POURED CONCRETE

Provide cast-in-place concrete, including form work and reinforcing, as required to complete the construction indicated.

Provide forms as required to pour footings as shown on the drawings. Use steel forms or other smooth material approved in advance by the Architect. The Contractor has the option of using the earth as form work for all building footings. To do this, the Contractor must add one extra inch of concrete to all sides of the footing at no extra cost to the Owner. Over excavation shall be filled with concrete at no extra cost to the Owner.

Mixing will be done at the site and not while in transit. Concrete must be completely deposited within one hour after introduction of mixing water. The ready mixed concrete producer shall furnish legible duplicate delivery tickets for each batch of concrete delivered to the site.

All concrete shall be made with crushed stone, and shall attain its required compressive strength at 28 days. Provide concrete that is dense and free from honeycomb and other defects.

Poured concrete footings shall achieve a strength of 3000 psi at 28 days.

Poured concrete floor shall be 4000 psi @ 28 days.

Workability of concrete shall be such that concrete may be handled, placed and worked into corners, around reinforcing steel and inserts without segregation and without excess bleeding.

Maintain a temperature of between 50 and 70 degrees F. for the duration of the curing period. Concrete placed at temperatures below 50 degrees F. will be manufactured using Type III High Early Cement. Absolutely no anti-freeze agents will be allowed in concrete slabs.

Footings are designed for 2000 lbs. per sq. foot bearing capacity. If suitable bearing for foundation is not encountered at 3'-6" below finished grade, the Contractor shall immediately notify the Architect and shall not proceed further until instructions are given. Footings shall be level and of depths shown on the plans. Remove all loose earth and foreign matter before pouring. Footings may be poured in trenches if dug clean and true.

Concrete slab thicknesses shall be as shown on drawings. Lay slabs over level and well compacted fill and gravel reinforce all slabs as indicated on drawings. Provide necessary saw-cuts to prevent cracking and control shrinkage of interior slabs. Protect concrete from frost and rapid drying.

ROUGH CARPENTRY

Provide rough carpentry materials and labor as required for proper completion of the work as shown on the Drawings and as specified herein. Work includes all connectors, and related hardware and materials.

All work shall be as per building code and industry standards. Do not accept or use lumber that deviates from grade standards or has excess moisture content or other defects. Handle lumber to avoid damage during transport or construction.

Sheathing and underlayment shall be exterior or standard sheathing with exterior glue, 4-ply fir, in thickness as noted. Glue and secure sub-flooring to joists with screw type nails.

For framing lumber, use No. 2 grade Douglas Fir or Hem-Fir. Fb=1,050 psi, E=1,300 psi stress grade.

Carpentry and millwork lumber must be sound, thoroughly seasoned, well manufactured and free from warp that cannot be corrected in process of bridging or nailing.

Wood framing shall be cut square on bearings, closely fitted, accurately set to required lines, levels and rigidly set in place. All interior partitions shall be full height unless otherwise noted on plans. Double joists under parallel partitions.

All lumber in contact w/ masonry shall be pressure treated or decay resistant.

All fasteners shall be galvanized.

BUILDING INSULATION

Provide fiberglass batt insulation in locations as noted on the plans and as specified herein.

Fiberglass insulation shall be as manufactured by "Certainteed" or approved equal, foil faced with stapling flange. Any exposed fiberglass insulation shall be covered with non-combustible facing.

CONCRETE BLOCK

Masonry Walls: Concrete block shall be as shown on the plans. They shall be hollow concrete blocks with a compressive strength of not less than 1200 psf. Top course shall be solid. All mortar shall be composed of one part Portland cement, three parts sand and not more than 10% lime by volume.

Do not lay masonry when temperature of outside air is below 40 degrees F. unless suitable means approved by the Architect are provided to heat materials, protect work from the cold or frost and insure the mortar will harden without freezing. No anti-freezing ingredient shall be used in mortar.

Provide "Dur-O-Wal" or equal horizontal joint reinforcing in every other block course. Joint reinforcing shall be truss type with diagonal cross rods.

Lay out wall in advance for accurate spacing of surface bond patterns, with uniform joint widths and to properly locate openings, movement type joints, returns and offsets. Avoid the use of less than half size units at corners, jambs and wherever possible at other locations.

Lay-up walls plumb with courses level, accurately spaced and coordinated with other work.

Lay horizontal masonry units with full mortar coverage on horizontal and vertical face shells. Bed webs in mortar in starting course on footings and foundation walls.

Maintain joint widths shown, except for minor variations required to maintain bon alignment. If not otherwise indicated, lay walls with 3/8" joints. Cut joints flush for masonry walls which are to be concealed or covered by other material. Tool exposed joints slightly concave using a jointer larger than joint thickness.

Plastering shall be done in a neat and workmanlike manor, covering all joints and voids. Thickness of plaster shall be 1/2".

FINISH CARPENTRY

Provide finish carpentry materials and labor as required for proper completion of the Work. Perform all work as per detailed Drawings, applicable trade standards, and pertinent regulations.

Provide wood free of significant defects or deviations from grade standards. Align and exactly match miter joints at edges and corners. Install running trim in maximum lengths; do not use short pieces or splicing of scraps. Saw cuts straight and clean. Provide tight fits without gaps. Splices shall be tight and staggered (not side by side).

Fasten all pieces straight, true and secure. Coordinate backing and blocking with other trades having interfacing work, i.e., counters, fixture, etc.

Where sanding is required, sand with the grain to totally smooth, unblemished surface. Set finish nails prior to painting.

Handle and store wood with care to avoid damage. Store wood as required to prevent water absorption. Protect finish work from construction damage.

Provide all exterior trim, soffits, fascias, trim, etc.. Equal to "AZEK" composite trims.

GYP SUM WALLBOARD

Provide and install gypsum wallboard (equal to Georgia Pacific) in the thickness and types as indicated on the Drawings and as specified herein. Include all accessories, i.e. metal trim, channel-shaped casing beads, corner beads, and edge beads, etc. as required for a complete and proper installation.

Jointing system with reinforcing tape and compound shall be as supplied or recommended by gypsum board manufacture.

Keep wallboard materials dry and protected from moisture. Keep work of trades such as conduit, pipe, and ducts clear of the inside face of wall panels. Leave open those walls or ceilings that will required field installation of pipes, connections, etc.

Attachment of gypsum board shall be by 1 1/4" long screws, spaced 8" o.c. along edges and 12" o.c. elsewhere. Make cut-outs for switch boxes, outlets, pipe, etc., tightly to size.

All finished walls shall receive 3 coats spackle. Sand as required ready to accept new finish. Taping and spackling shall follow applicable trade standards and manufacturer's instructions. Maintain 55 degrees minimum during spackling process.

Underlayment for tile walls shall be 1/2" cement board.

Gypsum board installed in bathrooms shall be water-resistant type.

FIBERGLASS ROOF SHINGLES

Provide fiberglass roof shingles at new roof structure.

All installations shall comply with local building codes and ordinances.

Roof shingles equal to "Timberline" min. 30 year warranty. Submit samples to Architect for approval.

Install roof shingles over 15# felt paper or as noted. Provide all required preparatory aluminum flashing. Install ice and water shield along eave and fascia, extending to a point at least 36" inside the exterior wall line of the building. Fasteners shall be galvanized steel or aluminum roofing nails.

Provide 6" aluminum gutters throughout. Extend leaders to tie into sub-surface drain system.

CARPET

All carpeting shall be as selected by Owner from allowance. All carpeting shall be supplied and installed by professional carpet installer. Provide substrate to be in conformance with mfr's requirements. All seams shall be concealed and not in high traffic areas. Seams shall not be visible. Carpeting shall be protected from all construction work. Carpet allowance shall be \$3.00 per sq. ft. including installation.

TILE

All tile shall be as selected by owner. Equal to "American Olean". All tile shall be supplied and installed by professional tile installers. Provide substrate to be in conformance wwith mfr's requirements. Tiles shall be installed straight, aligned and level. Tiles shall terminate neatly at all edges and penetrations.

PAINTING

All surfaces shall be prepared ready to accept paint. Clean all working surfaces as per manufacturer's instructions.

Interior woodwork (new):
Prime coat: Moore's Alkyd Enamel Underbody.
Finish coat: 2 coats Alkyd Sani-Flat.

Gypsum wallboard (new):
Prime coat: Latex Quick Dry Prime Seal.
Finish coat: 2 coat Regal Aquaglo.

All colors shall be as selected by the Owner from standard colors.

Undercoat must be from the same manufacturer as the finish coat. Thinners must be as recommended by the paint manufacturer and used only as recommended. Apply primer or sealer to knots and pitch pockets on wood that is to be painted.

Store all paint materials with ample ventilation, in fire-protected space, secure from damage. Use painting tools and equipment only as recommended by the paint manufacturer. Prior to work, verify that proposed equipment is compatible with material to be applied.

Maintain proper work environment, dry, clean, well ventilated, free of airborne construction dust, well lighted, in temperature and humidity ranges required by paint manufacturer. Keep humidity low enough to prevent moisture condensation on work surfaces. Never apply paint to damp or wet surfaces.

Upon completion of painting work, deliver to the Owner an extra stock of 10% or more of each color, type, and gloss of paint used in the work. Tightly seal and clearly label each container with notes on contents and locations used.

SUSPENDED CEILING SYSTEM

Acoustical ceiling tile shall be by "USG Interiors" Eclipse Climapius Illusion ceilings (white) with "Donn" brand suspension system. Grid dimension to be 24" x 48".

FIBER CEMENT SIDING

All horizontal siding to be equal to "HardiePlank", Select Cedarmill, 6" exposure, raised wood grain, pre-finished with color as selected by Owner from manufacturer's standard palette, 30 year warranty. Siding shall be installed level with staggered joints. Adjacent walls shall be aligned. Siding shall be stored & installed as per manufacturer's specifications. Maintain 6" minimum clearance to finished grade.

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CON-CHECK - SEPARATE ATTACHMENT

A-10

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CHARLES SCHAFER ASSOCIATES LLC
architect planner

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date 10-23-13
drawn by MW
checked by

NEW CHURCH BUILDING FOR:
WANTAGE UNITED METHODIST CHURCH
RT. 29, WANTAGE TWP., NJ



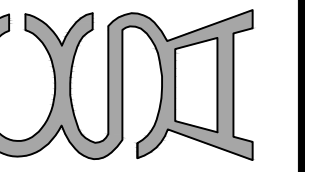
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COM-CHECK - SEPARATE ATTACHMENT

E-1

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 date 10-23-13
 drawn by MW
 checked by



NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ

FIRE ALARM SYMBOL LIST

- HORN/STROBE
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT SMOKE DETECTOR
- DUCT SMOKE TEST SWITCH
- PULL STATION
- REMOTE ANNUNCIATOR
- FIRE ALARM CONTROL PANEL

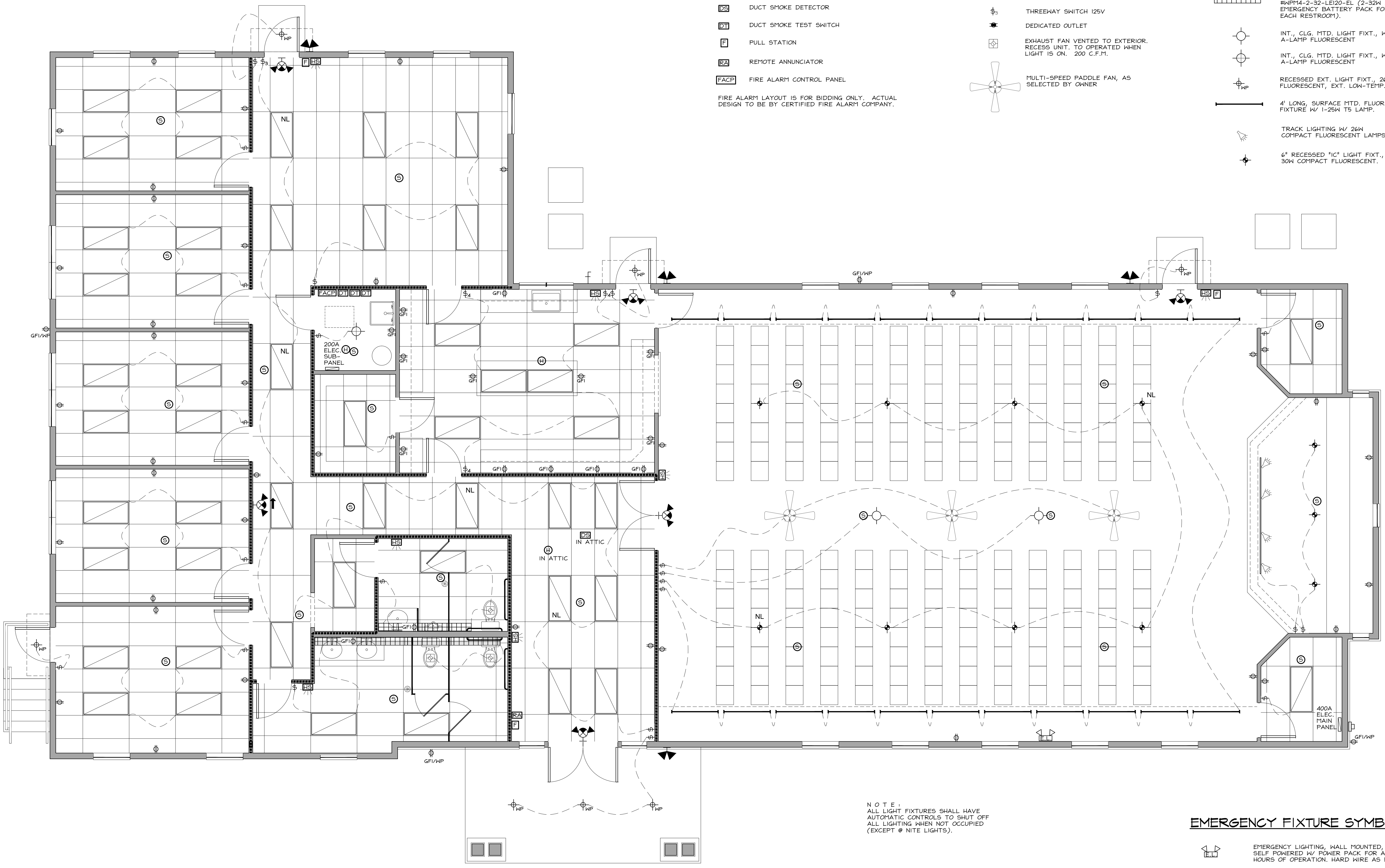
FIRE ALARM LAYOUT IS FOR BIDDING ONLY. ACTUAL DESIGN TO BE BY CERTIFIED FIRE ALARM COMPANY.

ELECTRICAL SYMBOL LIST

- DUPLEX OUTLET-20 AMP (18" AFF)
GFI = GROUND FAULT INTERRUPT
- SINGLE POLE SWITCH 125V
- THREEWAY SWITCH 125V
- DEDICATED OUTLET
- EXHAUST FAN VENTED TO EXTERIOR.
RECESS. UNIT. TO OPERATED WHEN LIGHT IS ON. 200 C.F.M.
- MULTI-SPEED PADDLE FAN, AS SELECTED BY OWNER

LIGHTING SYMBOL LIST

- 2' x 4' RECESSED FLUORESCENT LAY-IN W/ (4) 28W LAMPS - SUPER T8. PROVIDE 2 TUBE FIXT. @ MEN'S, WOMEN'S & CLOSET. *NL* INDICATES NIGHT LIGHT.
- *COLUMBIA* FLUORESCENT WALL LIGHT #44P14-2-32-LE120-EL (2-32W LAMPS W/ EMERGENCY BATTERY PACK FOR ONE FIXTURE EACH RESTROOM).
- INT., CLG. MTD. LIGHT FIXT., W/ 42W A-LAMP FLUORESCENT
- INT., CLG. MTD. LIGHT FIXT., W/ 26W A-LAMP FLUORESCENT
- RECESSED EXT. LIGHT FIXT., 26W COMPACT FLUORESCENT, EXT. LOW-TEMP. BALLAST.
- 4' LONG, SURFACE MTD. FLUORESCENT LIGHT FIXTURE W/ 1-25W T5 LAMP.
- TRACK LIGHTING W/ 26W COMPACT FLUORESCENT LAMPS
- 6" RECESSED 1/2" LIGHT FIXT., 30W COMPACT FLUORESCENT.



NOTE:
 ALL LIGHT FIXTURES SHALL HAVE AUTOMATIC CONTROLS TO SHUT OFF ALL LIGHTING WHEN NOT OCCUPIED (EXCEPT @ NITE LIGHTS).

EMERGENCY FIXTURE SYMBOL LIST

- EMERGENCY LIGHTING, WALL MOUNTED, DUAL HEAD, SELF POWERED W/ POWER PACK FOR A MIN. 1-1/2 HOURS OF OPERATION. HARD WIRE AS PER N.E.C.
- WALL MOUNTED, SELF-POWERED EMERGENCY LIGHTS & EXIT SIGN (5W), WHITE FRAME W/ RED LETTERS. PROVIDE POWER PACK FOR MIN. 1 1/2 HOURS OPERATION. HARD WIRE AS PER N.E.C. MAY HAVE ILLUMINATED DIRECTIONAL ARROW
- REMOTE WALL MOUNTED, SELF-POWERED EXTERIOR EMERGENCY EXIT LIGHT W/ DUAL HEADS. PROVIDE POWER PACK FOR MIN. 1 1/2 HOURS OPERATION. HARD WIRE AS PER N.E.C.

REFLECTED CEILING & ELECTRICAL PLAN

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

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 A-9 INT. ELEVATIONS
 A-10 SPECIFICATIONS
 E-1 ELECTRICAL PLAN
 E-2 ELECTRICAL NOTES & DIAGRAMS
 F-1 PLUMBING DIAGRAM & NOTES

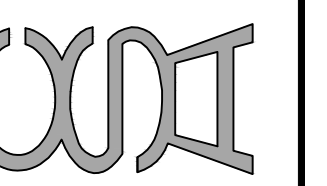
CON-CHECK - SEPARATE ATTACHMENT

E-2

Charles Schaffer
 C. 7650
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CHARLES SCHAFER ASSOCIATES LLC
 architect planner
 288 NEWTON - SPARTA, ROAD • NEWTON, NEW JERSEY 07860
 date 10-23-13
 drawn by MW
 checked by

NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ



ELECTRICAL NOTES

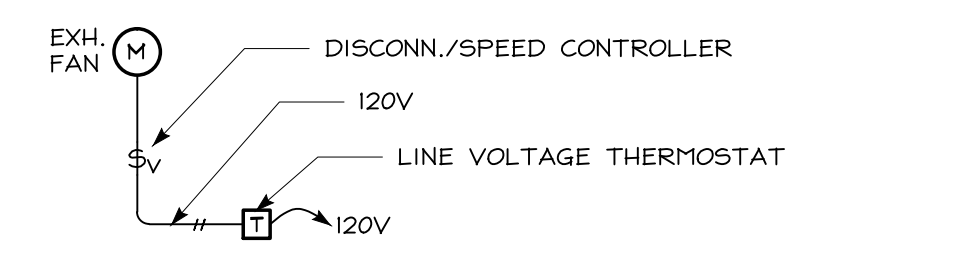
- ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABILITY OF SPECIFIED SERVICE WITH POWER & LIGHT COMPANY.
- ELECTRICAL CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO CONSTRUCTION OF FINAL SERVICE REQUIREMENTS.
- ALL FIXTURES TO HAVE TYPE AND WATTAGE AS INDICATED.
- ALL NEW WIRING SHALL BE CONCEALED IN WALLS, FLOORS OR CEILINGS WHEREVER POSSIBLE.
- ALL NEW WIRING SHALL BE MINIMUM #12 AWG COPPER WIRE W/ GROUND WIRE.
- ALL NEW CONDUCTORS SHALL BE INSTALLED IN "EMT" OR "GREENFIELD", WITH METAL GEM OR JUNCTION BOXES. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT" WITH COMPRESSION FITTINGS.
- ALL RECEPTACLES SHALL BE "LEVITON" OR EQUAL.
- ALL SWITCHES SHALL BE "LEVITON" OR EQUAL.
- ALL DEVICE PLATES SHALL BE BRUSHED STAINLESS.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED BY THE LOCAL AND STATE AGENCIES.
- GROUND CONNECTIONS SHALL BE PROVIDED AS REQUIRED BY THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE FOR ALL DISTRIBUTION SYSTEMS AND ALL METALLIC PARTS OR APPARATUS ENCLOSING "LIVE" ELECTRICAL WIRING AND/OR PARTS.
- THE ELECTRICAL CONTRACTOR SHALL REPAIR THE CONTINUITY OF ALL CIRCUITS BEING REMOVED AND REVISED AND/OR INSTALLED NEW.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL PREVAILING LOCAL CODES.
- THIS DRAWING IS INTENDED TO INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER AND APPROXIMATE LOCATIONS OF WORK INTENDED. WORK INTENDED BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED OR NOT SHOWN SHALL BE FURNISHED COMPLETE TO PERFORM THE FUNCTION INTENDED WITHOUT ADDITIONAL COST TO THE OWNER.
- GUARANTEE AND WARRANTY: THE ELECTRICAL CONTRACTOR SHALL AND HEREBY DOES WARRANT AND GUARANTEE THAT ALL WORK DONE BY HIM SHALL BE FREE OF DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE. THE ELECTRICAL CONTRACTOR SHALL FURTHER WARRANT THAT ALL MATERIALS FURNISHED AND WORK EXECUTED BY HIM IS IN ACCORDANCE WITH ALL STATE AND LOCAL LAWS, ORDINANCES AND REGULATIONS.
- ALL BATHROOMS SHALL HAVE EXHAUST FANS VENTED TO EXTERIOR - SWITCHES AS LOCATED BY OWNER & INSTALLED BY CONTRACTOR

SUB-PANEL PANEL SCHEDULE										
200 AMPS, 120/240 VOLTS, 1 PHASE, 3 WIRE, 42 POLE W/ 200 AMP MAIN DISCONNECT										
CIRCUIT DESCRIPTION	WIRE SIZE	CIRCUIT BKR.			CIRCUIT #			CIRCUIT BKR.		
		AMP	P		P	AMP		AMP		
EXTERIOR LIGHTS	2-#12	20	1	1	2	1	20	2-#12	PADDLE FANS	
EXTERIOR OUTLETS	2-#12	20	1	3	4	1	20	2-#12	FELLOWSHIP OUTLETS	
FELLOWSHIP SOFFIT LTG.	2-#12	20	1	5	6	1	20	2-#12	FELLOWSHIP HANGING LTS.	
STORE ROOM LTG & OUT.	2-#12	20	1	7	8	1	20	2-#12	FELLOWSHIP RECESS'D LTS.	
WOMEN ROOM LIGHTING	2-#12	20	1	9	10	1	20	2-#12	MEN ROOM OUTLETS	
OFFICE LTG.	2-#12	20	1	11	12	1	20	2-#12	OFFICE OUTLETS	
MEN/WOMEN EXH. FANS	2-#12	20	1	13	14	1	20	2-#12	CLASSROOMS 101 & 102 LTG.	
ALTAR OUTLETS	2-#12	20	1	15	16	1	20	2-#12	CLASSROOMS 103 & 104 LTG.	
ALTAR LIGHTING	2-#12	20	1	17	18	1	20	2-#12	CLASSRM. 101 & 102 OUTLETS	
KITCHEN OUTLETS	2-#12	20	1	19	20	1	20	2-#12	CLASSRM. 103 & 104 OUTLETS	
NARTHEX/COR. OUTLETS	2-#12	20	1	21	22	1	20	2-#12	UTILITY & PANTRY OUTLETS	
NARTHEX/COR. LIGHTS	2-#12	20	1	23	24	1	20	2-#12	UTILITY & PANTRY LIGHTING	
KITCHEN LIGHTING	2-#12	20	1	25	26	1	20	2-#12	KITCHEN OUTLETS	
MULTI-PURP. OUTLETS	2-#12	20	1	27	28	1	20	2-#12	MULTI-PURPOSE RM. LIGHTING	
SPARE		20	1	29	30	1	20		SPARE	
SPARE		20	1	31	32	1	20		SPARE	
SPARE		20	1	33	34	1	20		SPARE	
SPARE		20	1	35	36	1	20		SPARE	
SPARE		20	1	37	38	1	20		SPARE	
SPARE		20	1	39	40	1	20		SPARE	
SPARE		20	1	41	42	1	20		SPARE	

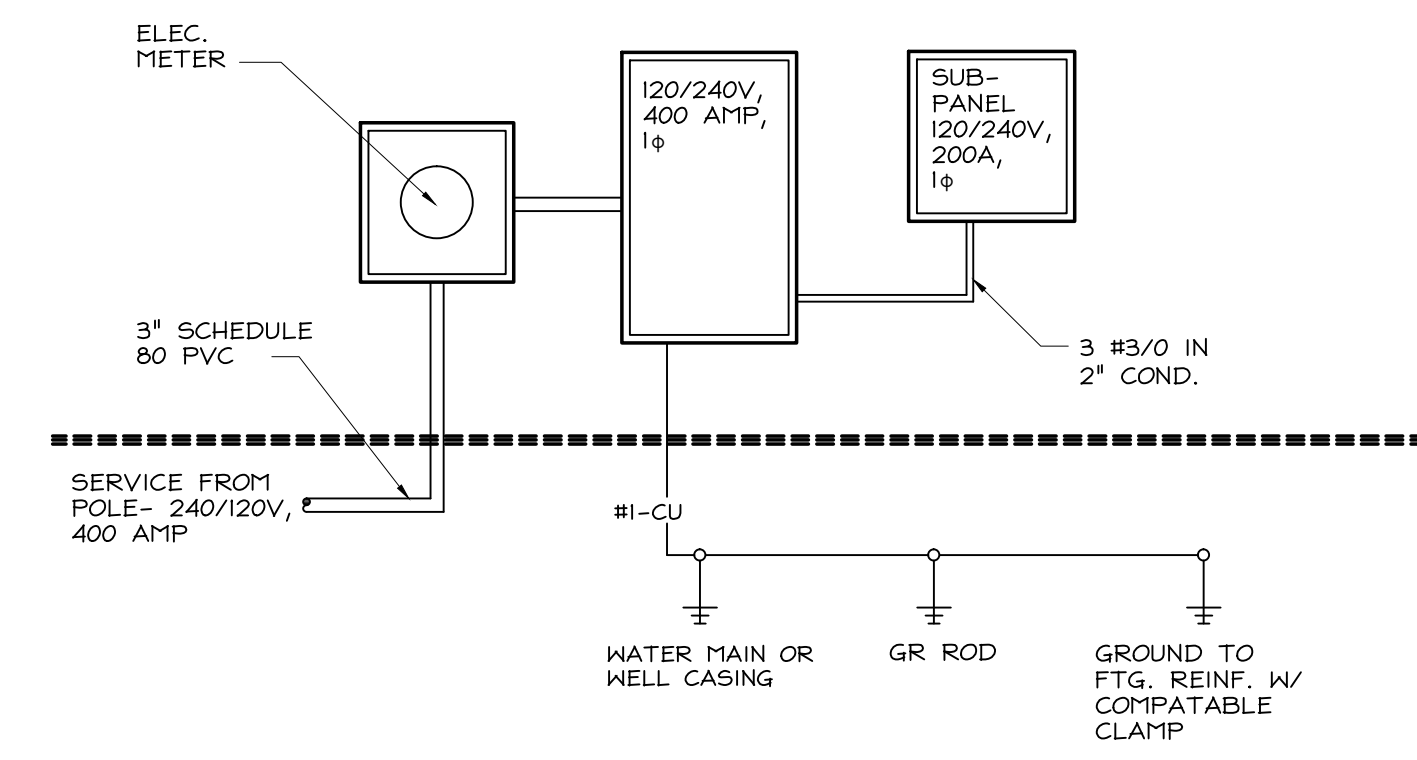
N O T E : 10,000 AIC BOLT-ON BREAKERS, GROUND BAR KIT.

MAIN DISTRIBUTION PANEL SCHEDULE										
400 AMPS, 120/240 VOLTS, 1 PHASE, 3 WIRE, 30 POLE W/ 400 AMP MAIN DISCONNECT										
CIRCUIT DESCRIPTION	WIRE SIZE	CIRCUIT BKR.			CIRCUIT #			CIRCUIT BKR.		
		AMP	P		P	AMP		AMP		
CONDENSER C-1	3-#8	60	1	1	2	1	60	3-#8	CONDENSER C-2	
---	---	---	---	3	4	1	---	---	---	
CONDENSER C-3	3-#8	60	1	5	6	1	60	3-#8	CONDENSER C-4	
---	---	---	---	7	8	1	---	---	---	
SUB-PANEL	3-#1	200	1	9	10	1	60	3-#8	CONDENSER C-5	
---	---	---	---	11	12	1	---	---	---	
---	---	---	---	13	14	1	20	2-#12	FURN. #1	
---	---	---	---	15	16	1	20	2-#12	FURN. #2	
SPARE		20	1	17	18	1	20	2-#12	FURN. #3	
SPARE		20	1	19	20	1	20	2-#12	FURN. #4	
SPARE		20	1	21	22	1	20	2-#12	EMERGENCY CIRCUIT	
SPARE		20	1	23	24	1	20	2-#12	FIRE ALARM	
SPARE		20	1	25	26	1	20		SPARE	
SPARE		20	1	27	28	1	20		SPARE	
SPARE		20	1	29	30	1	20		SPARE	

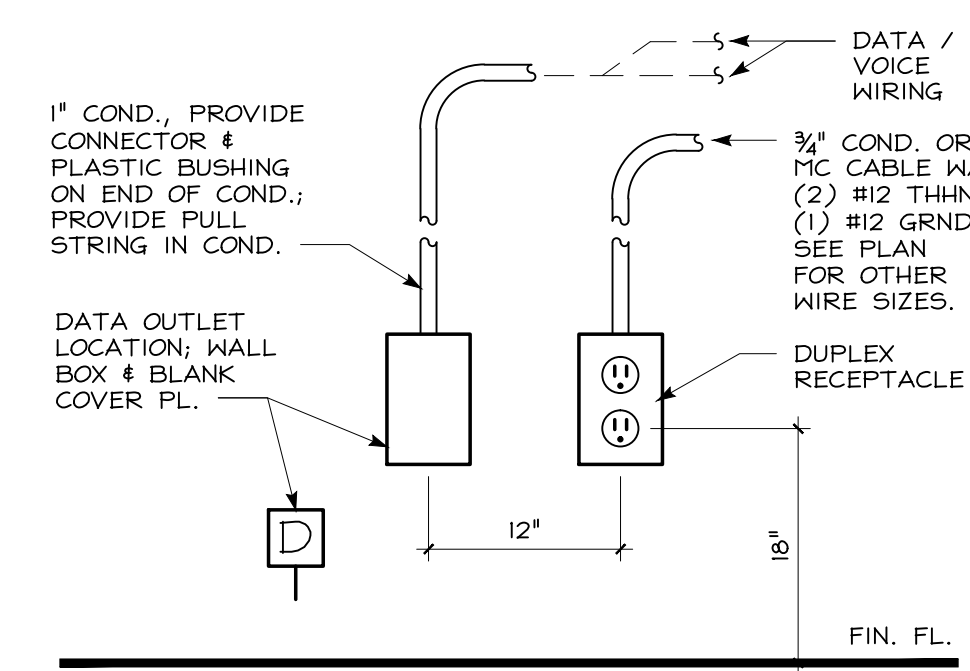
N O T E : 10,000 AIC BOLT-ON BREAKERS, GROUND BAR KIT.



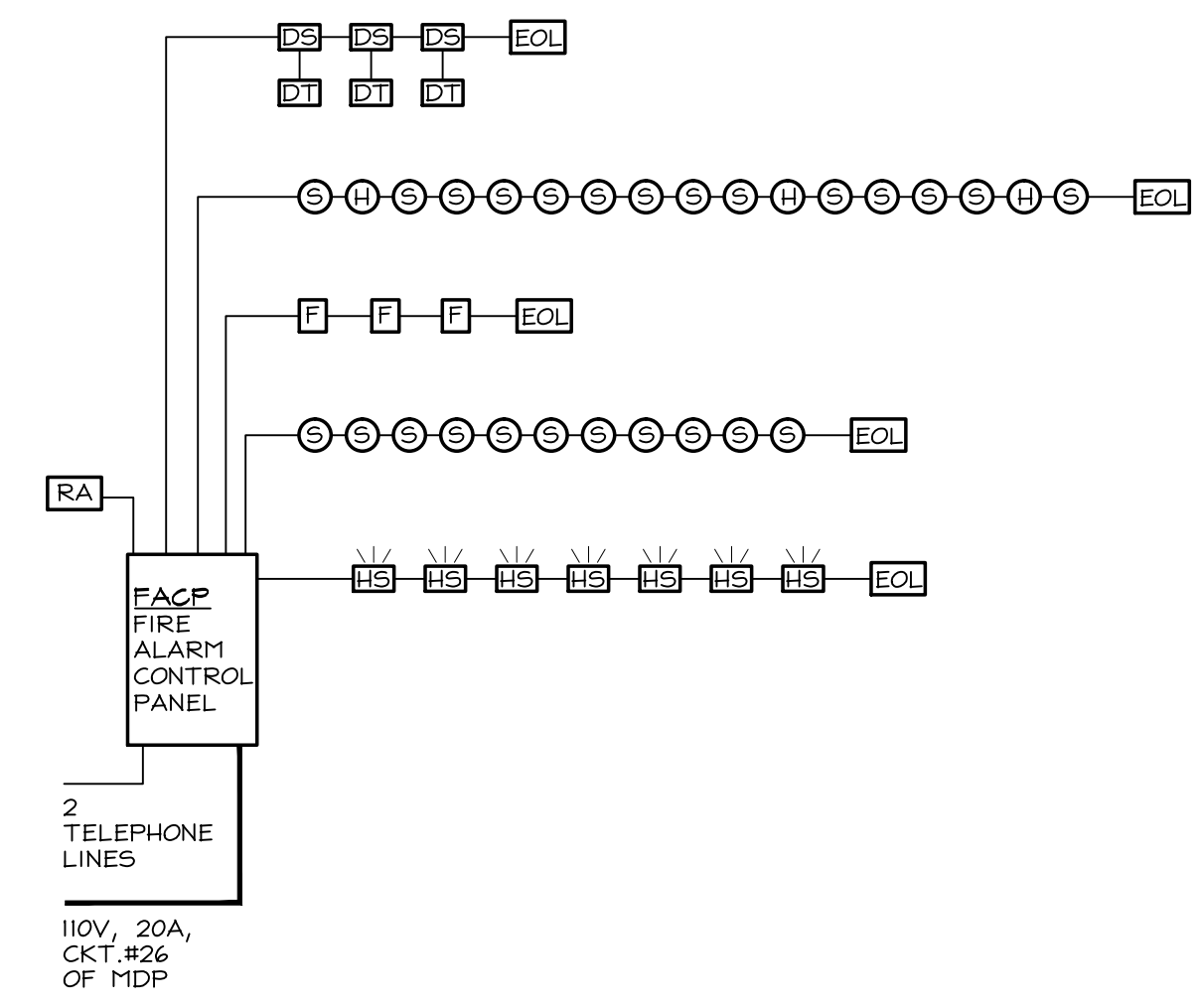
EXHAUST FAN WIRING DIAGRAM
NO SCALE



ELECTRICAL DISTRIBUTION RISER DIAGRAM
NOT TO SCALE



OUTLET MOUNTING DETAIL
NO SCALE



FIRE ALARM RISER DIAGRAM

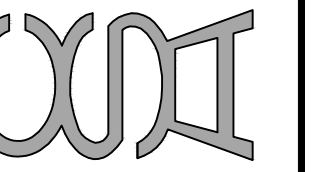
- A-1 FRONT ELEVATION & BLDG. CODE DATA
- A-2 REAR ELEVATION & DETAILS
- A-3 SIDE ELEVATIONS & DETAILS
- A-4 FOUNDATION PLAN
- A-5 FLOOR PLAN
- A-6 ROOF PLAN, DOOR / FINISH SCHEDULES & DETAILS
- A-7 BUILDING CROSS SECTION & DETAILS
- A-8 BUILDING CROSS SECTION & DETAILS
- A-9 INT. ELEVATIONS
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CON-CHECK - SEPARATE ATTACHMENT

P-1

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 n.j. 6-7820
 n.y. 022558-1

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 architect. planner
 288 NEWTON - SPARTA ROAD • NEW JERSEY 07860 973-383-7205
 date 10-23-13
 drawn by MW
 checked by
 NEW CHURCH BUILDING FOR:
 WANTAGE UNITED METHODIST CHURCH
 RT. 29, WANTAGE TWP., NJ



PLUMBING GENERAL NOTES

1. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK AND SHALL BE FOLLOWED AS CLOSELY AS PRACTICAL. NEITHER THE DRAWINGS NOR THE SPECIFICATIONS ARE INTENDED TO SHOW OR DESCRIBE EVERY SMALL CONSTRUCTION DETAIL. IT IS INTENDED THAT THE CONTRACTOR COMPLETE THE WORK IN SUCH A MANNER THAT THE VARIOUS SYSTEMS WILL FUNCTION, OPERATE AND PERFORM TO THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS AND COMPLY WITH ALL APPLICABLE BUILDING CODES AND INDUSTRY STANDARDS.

2. ALL WORK SHALL CONFORM TO ALL PERTINENT LAWS, ORDINANCES, CODES, AND REGULATIONS. EQUIPMENT SHALL BE INSTALLED IN THE STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. UNLESS OTHERWISE INDICATED, ALL CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THE PLUMBING WORK IS BY THIS CONTRACTOR. ALL PATCHING SHALL BE RESTORED TO ORIGINAL CONDITIONS. DO NOT CUT STRUCTURAL MEMBERS.

4. INSTALL PIPE SLEEVES IN WALLS AND FLOORS WHERE PIPES PENETRATE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY HANGERS, SUPPORTS, AND ANCHORS FOR ALL PIPING AND EQUIPMENT.

5. DO NOT LOCATE VALVES, ACTUATORS, OR ANY ITEMS REQUIRING ACCESS IN AN INACCESSIBLE LOCATION UNLESS AN APPROVED ACCESS DOOR IS PROVIDED.

6. ALL PIPING, WHERE POSSIBLE, SHALL BE CONCEALED IN WALLS, CEILING SPACE, OR SOFFITS. COORDINATE WORK WITH ALL TRADES. DO NOT RUN WATER PIPES IN UNHEATED SPACES.

7. INTERIOR COLD AND HOT WATER IN THE BUILDING SHALL BE TYPE 'L' COPPER, ASTM SPEC, B-88-51 WITH A 150 PSI WORKING PRESSURE. EXTERIOR AND/OR UNDERGROUND PIPING SHALL BE TYPE 'K' COPPER. FITTINGS SHALL BE WROUGHT COPPER OF WEIGHT CORRESPONDING TO PIPE TO WHICH THEY ARE ATTACHED. JOINTS SHALL BE SOLDERED USING LEAD-FREE SOLDER. AFTER ALL PIPING HAS BEEN INSTALLED, BUT BEFORE ANY EQUIPMENT OR FIXTURES HAVE BEEN CONNECTED, THE SYSTEM SHALL BE FILLED WITH MINIMUM PRESSURE OF 150 POUNDS PER SQUARE INCH. THE PRESSURE SHALL BE MAINTAINED FOR A PERIOD OF 60 MINUTES. AFTER SUCCESSFUL TESTING, FLUSH ALL PIPING TO REMOVE DIRT AND FOREIGN MATTER, THEN STERILIZE THE WATER SYSTEM WITH A CHLORINE OR HTH SOLUTION. FLUSH WATER PIPES WITH FRESH WATER TO REMOVE CHLORINE SOLUTION. STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH AWWA SPECIFICATIONS G601-53T.

8. DO NOT INSTALL PIPING OR ANY OTHER PLUMBING EQUIPMENT OVER ELECTRICAL PANELS. MAINTAIN A MINIMUM OF 36" CLEAR IN FRONT OF ELECTRICAL PANELS.

9. ALL SANITARY AND VENT PIPING ABOVE AND BELOW THE GROUND SHALL BE (SCH. 40) 4" PVC PLASTIC PIPE WITH SOLVENT WELD JOINTS AND FITTINGS. MAKE ALL JOINTS WATERTIGHT AND GASTIGHT. WHEN ROUGHING WORK IS COMPLETED AND BEFORE CONNECTION OF FIXTURES OR DRAINS, THE SYSTEM SHALL BE SUBJECTED TO A WATER TEST BY PLUGGING UP ALL OPENINGS AND FILLING ALL OF THE LINES TO THE ROOF LEVEL. ANY DEFECTS SHALL BE CORRECTED.

10. ALL ABOVE GROUND GAS PIPING MATERIALS SHALL BE ASTM A 120, SCHEDULE 40 BLACK STEEL PIPE WITH MALLEABLE-IRON THREADED FITTINGS. INSTALL A DRIP LEG AT POINTS WHERE CONDENSATE MAY COLLECT.

11. IDENTIFY ALL DOMESTIC COLD WATER, AND DOMESTIC HOT WATER PIPING WITH COLORED, WATERPROOF, ALL TEMPERATURE, SELF-ADHERING LABELS AND DIRECTIONAL ARROWS AS MANUFACTURED BY SETON.

12. PROVIDE SHOCK ABSORBING DEVICES WHICH WILL PROTECT WATER SUPPLY PIPING FROM WATER HAMMER. SEALED AIR CHAMBER METAL BELLOWS TYPE SHALL BE JAY R. SMITH COMPANY "HYDROTROL". LOCATE AT THE ENDS OF ALL BRANCH PIPING RUNS.

13. INSULATE ALL DOMESTIC HOT AND COLD WATER LINES, ALL FITTINGS AND VALVES. PIPE INSULATION SHALL BE RIGID FIBERGLASS WITH WHITE KRAFT BONDED TO ALUMINUM FOIL, K = 0.23 @ 75 F., REINFORCED WITH FIBERGLASS YARN, SUITABLE FOR PAINTING, MANVILLE MICRO-LOK 650 WITH AP-T JACKET OR APPROVED EQUAL, (1" THICK FOR PIPES 1/2" TO 4"). FITTING AND VALVES SHALL BE INSULATED WITH MOLDED ONE-PIECE P.V.C. COVERS WITH FIBERGLASS INSULATION, MANVILLE 'ZESTON 25/50' OR EQUAL.

14. SUBMIT COPIES OF DETAILED SHOP DRAWING DATA FOR EACH PIECE OF EQUIPMENT OR MATERIAL PROPOSED TO BE USED FOR REVIEW BY THE ARCHITECT.

15. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER AS-BUILT DRAWINGS AND (3) COPIES OF OPERATION AND MAINTENANCE MANUALS INCLUDING ALL NAME PLATE DATA, WIRING DIAGRAMS, MAINTENANCE INSTRUCTIONS, AND PARTS LIST.

16. ALL EXPOSED HANGERS SHALL BE GALVANIZED STEEL.

17. PITCH SANITARY AND WASTE PIPING A MINIMUM OF 1/4" PER FOOT OR AS INDICATED.

18. PITCH ALL VENT PIPING 1/4" MINIMUM PER FOOT TO DRAINS.

19. PROVIDE GATE VALVES ON ALL BRANCHES AND GATE AND CHECK VALVES ON ALL SUPPLIES TO MIXING VALVES.

PLUMBING EQUIPMENT LIST

ALL FIXTURES SHALL BE WHITE UNLESS NOTED OTHERWISE. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.

WATER CLOSET - KOHLER "HIGHLINE PRESSURE LIGHT" WHITE W/ MATCHING SEAT
 LAVATORY - KOHLER "TAUNTON", # K-2731, WHITE, ENAMELED CAST IRON, WALL MOUNTED W/ # K-8040-1 LAVATORY - KOHLER "TAUNTON", # K-2731, WHITE, ENAMELED CAST IRON, WALL MOUNTED W/ # K-8040-1 FAUCET AND POP-UP DRAIN, # K-7606 SUPPLIES AND STOPS, # K-9000 P-TRAP.

SERVICE SINK - KOHLER "SUDBURY", # K-6650, WHITE, ENAMELED CAST IRON, WITH K-8905 ROUGH PLATED FAUCET AND ENAMELED TRAP WITH STRAINER K-6673.

AMERICAN STANDARD FIXTURES MAY BE SUBSTITUTED FOR LIST ABOVE PROVIDED THEY ARE OF EQUAL OR BETTER QUALITY AND ARE A.D.A. COMPLIANT WHERE REQUIRED.

TOILET ACCESSORY SCHEDULE

DESCRIPTION	MANUF. (EQUAL TO)	MODEL NO. (EQUAL TO)	RECESS	COLOR	REMARKS
PAPER TOWEL	BOBRICK	B-38032	4"	S.S.	
SOAP DISP.	BOBRICK	B-822		S.S.	ONE PER SINK
GRAB BAR	BOBRICK	B-6806		S.S.	
T.P. HOLDER	BOBRICK	B-2730		S.S.	DOUBLE ROLL

EQUAL TO 'BOBRICK'

