

# MULTI-PURPOSE ADDITION

# OTTERBEIN UNITED

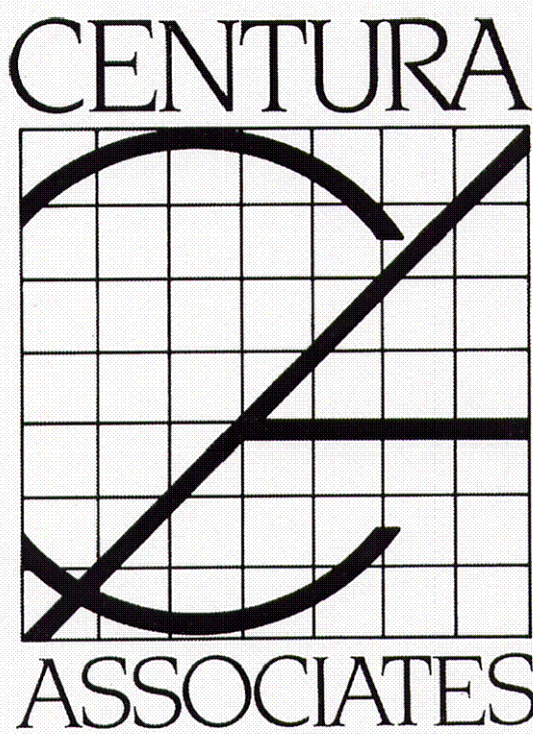
# BRETHREN CHURCH

## 146 Leitersburg Street

## Greencastle, PA 17225

ABBREVIATIONS

A.T.	ACOUSTICAL TILE	DR.	DOOR/ DRAIN	IN	INCH	S.	SOIL
ABV.	ABOVE	D.W.	DRYWALL	JT.	JOINT	SQ.	SQUARE
AFF.	ABOVE FINISH FLOOR	DES.	DESIGN/ DESIGNATION	JST.	JOIST	T.F.	TOP OF FOOTING
ALT.	ALTERNATE	DN.	DOWN	L.L.	LIVE LOAD	T.M.	TOP OF MASONRY
ADJ.	ADJUSTABLE/ ADJACENT	DIM.	DIMENSION	L.P.	LOW POINT	T.C.	TOP OF CONCRETE/ CURB
AL/ALUM.	ALUMINIUM	DIA.	DIAMETER	LAM.	LAMINATED	T.S.	TOP OF STEEL
BLK.	BLOCK	D.H.	DOUBLE- HUNG	L.W.	LONG WAY	T.P.	TOP OF PLATE
BLD'G.	BUILDING	EA.	EACH	L.L.V.	LONG LEG VERTICAL	TH'L	THICK
B.N.	BILL NOSE	E.W.	EACH WAY	MT'L	METAL	TYP.	TYPICAL
BM.	BEAM	EL.	ELEVATION	M.O.	MASONRY OPENING	T	TREAD
BR'K	BRICK	E.C.	ELECTRICAL CONTRACTOR	MIN.	MINIMUM	THLD.	THRESHOLD
BD./BRD.	BOARD	E.C.P.	EDGE OF PAVEMENT	MAX.	MAXIMUM	T'STAT	THERMOSTAT
B.C.	BOTTOM CURB	EXP.	EXPANSION	M.H.	MAN HOLE	T&G	TONGUE & GROOVE
B.W.	BACK OF WALL	EW	ELECTRIC WATER COOLER	MLD'G	MOULDING	U/G	UNDERGROUND
CAB.	CABINET	FIN.	FINISH	N.I.C.	NOT IN CONTRACT	V.C.B.	VINYL COVE BASE
C.B.	CATCH BASIN	FL/FL'R	FLOOR	O.C.	ON CENTER	V.C.T.	VINYL COMPOSITION TILE
CONC.	CONCRETE	FT.	FOOT	OP'NG	OPENING	V.B.	VAPOR BARRIER
CEM.	CEMENT	FTG	FOOTING	O.D.	OUTSIDE DIAMETER	V	VENT
CLO.	CLOSET	FD'N	FOUNDATION	O.F.	OUTSIDE FACE	VTR	VENT THROUGH ROOF
C.O.	CLEAN OUT	F.E.C.	FIRE EXTINGUISHER CABINET	P.C.	PLUMBING CONTRACTOR	V.C.W.B.	VINYL COVERED WALL BRD.
C.J.	CONTROL JOINT	FT	FOOT	PART'N	PARTITION	WD.	WOOD
COMP.	COMPRESSOR	F.C.	FINISH CONCRETE	PNL	PANEL	WDO.	WINDOW
CMU	CONC. MASONRY UNIT	FFF	FINISH FIRST FLOOR	PLAS.	PLASTER	WHM.	WELDED WIRE MESH
COND.	CONDUIT	F.D.	FLOOR DRAIN	PT'D	PAINTED	W	WITH
CL'G	CEILING	F.R.	FIRE RETARDANT	P	PLATE	W.H.	WATER HEATER
CL	CENTERLINE	GA.	GALVE	PVC	POLY VINYL CHLORIDE	W.C.	WAINSCOT
CONT.	CONTINUOUS	G.C.	GENERAL CONTRACTOR	PREFIN	PREFINISHED	W.C.	WATER CLOSET
C.W.P.	COLD WATER PIPING	GR'D	GRADE	R.	RADIUS/ RISER	W	WASTE
CL.	CLEAR	GYP.	GYP SUM	R.D.	ROOF DRAIN	W.I.	WROUGHT IRON
CARP.	CARPET	GAL.	GALVANIZED	RD.	ROUND	Y.P.	YELLOW PINE
C.I.	CAST IRON	GL.	GLASS/ GLAZING	REQ'D	REQUIRED	YD.	YARD
CU	COPPER	HT'G	HEATING	REIN'	REINFORCED		
C.W.	COLD WATER	H.C.	HEATING CONTRACTOR	RET.	RETURN/ RETAINING		
C.M.P.	CORRIGATED METAL PIPE	HG'T	HEIGHT	R.C.	REINFORCED CONCRETE		
D.L.	DEAD LOAD	INSUL.	INSULATION	RWC	RAINWATER CONDUCTOR		
DWG	DRAWING	I.P.	IRON PIPE	RM	ROOM		
DET	DETAIL			S.S.	SOIL STACK		



ARCHITECT:

CENTURA ASSOCIATES, INC.

1946 Philadelphia Avenue

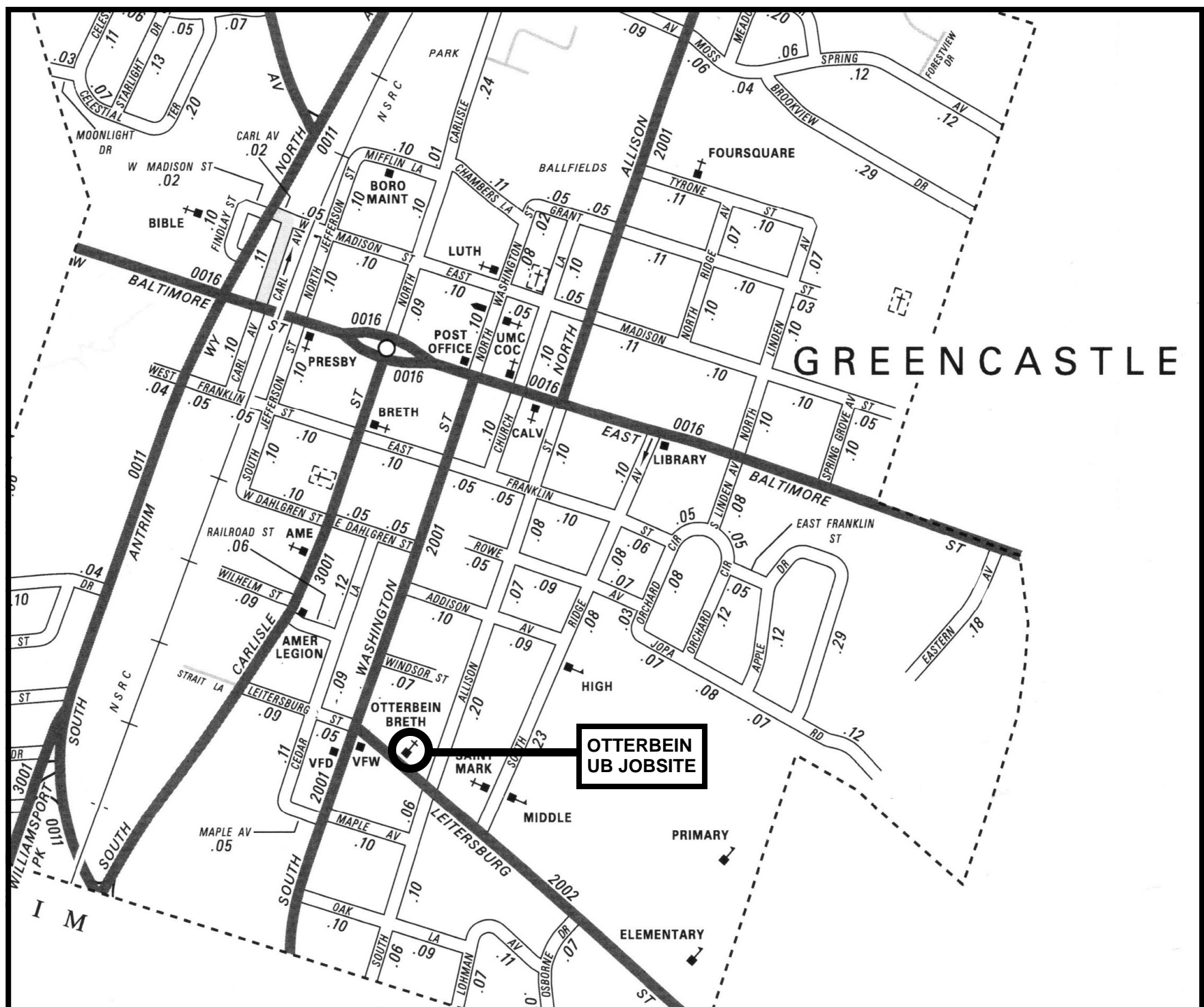
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717-264-6107

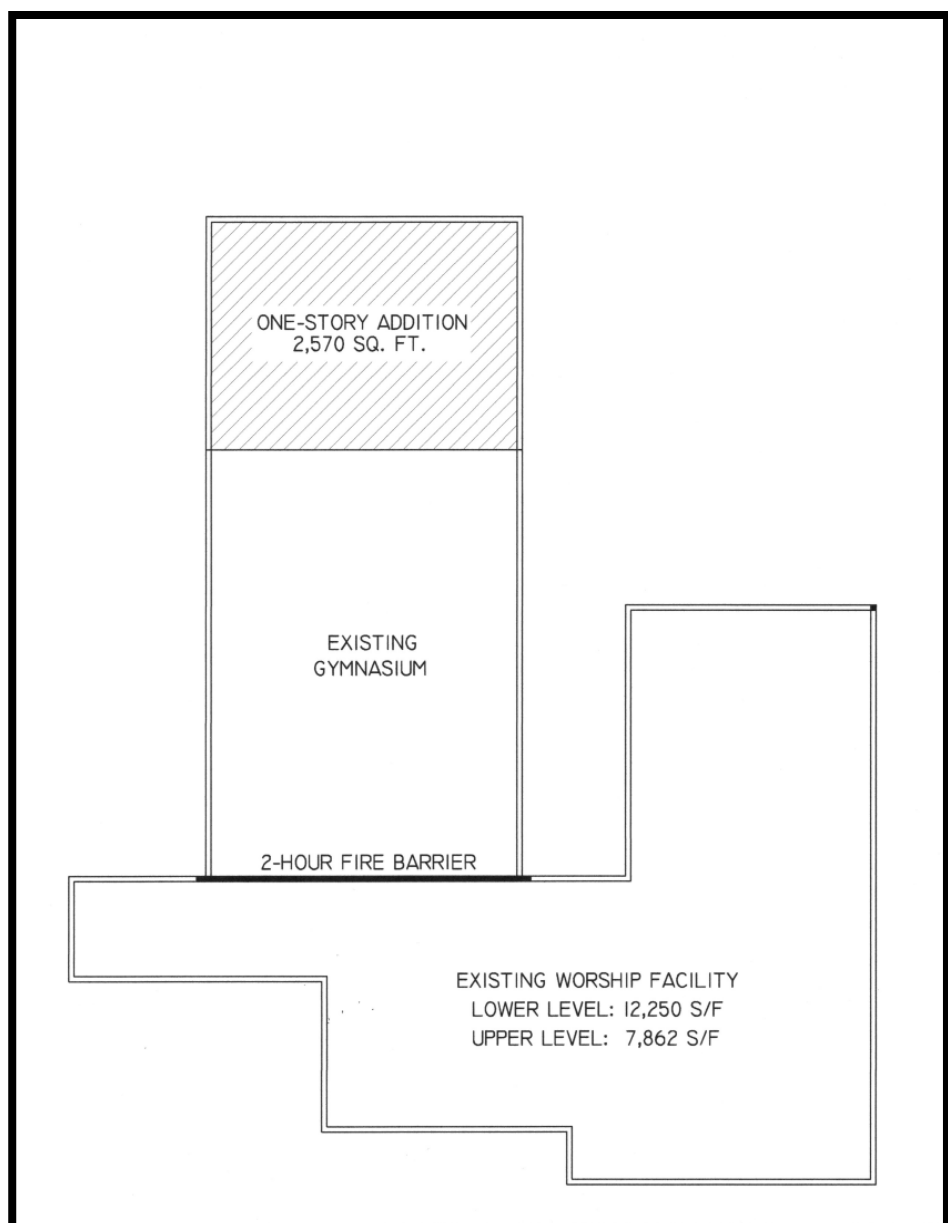
rfogal@centuraassociates.org

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LOCATION MAP



KEY PLAN

### BUILDING CODE ANALYSIS

**APPLICABLE CODES:**  
2015 IBC, 2018 IBC, Chapter 11, NEC 2014, ANSI 117.1, 2009

**EXISTING SPACE:**  
1. 20,112 s/f two-story Worship Facility, Occupancy Group "A-3" and Construction Type 3-B, non-sprinklered.  
2. 4,840 s/f single-story Gymnasium Wing, Occupancy Group "A-3" and Construction Type 2-B, Separated by existing 2 Hr. Fire Separation Wall (See Key Plan)

**PROPOSED ADDITION:**  
2,570 s/f single story addition to existing Gymnasium.  
2-hour Fire Wall between existing 2-story facility and existing gymnasium.

**OCCUPANCY CLASS :** A-3 **CONSTRUCTION TYPE:** 2-B

	ALLOWABLE:	ACTUAL:	
HEIGHT IN FEET:	55	32	(Table 504.3)
NUMBER OF STORIES:	2	1	(Table 504.4)
BUILDING AREA	9,500	7,410	(Table 506.2)

**MAX. NUMBER OF OCCUPANTS:** 292

EXIT REQUIREMENTS: @ .15"/PERSON:		
OCCUPANTS	REQUIRED	PROVIDED
292	44"	180"

**EMERGENCY LIGHTING:** PROVIDED AS REQUIRED  
**MANUAL FIRE EXTINGUISHERS:** PROVIDED AS REQUIRED

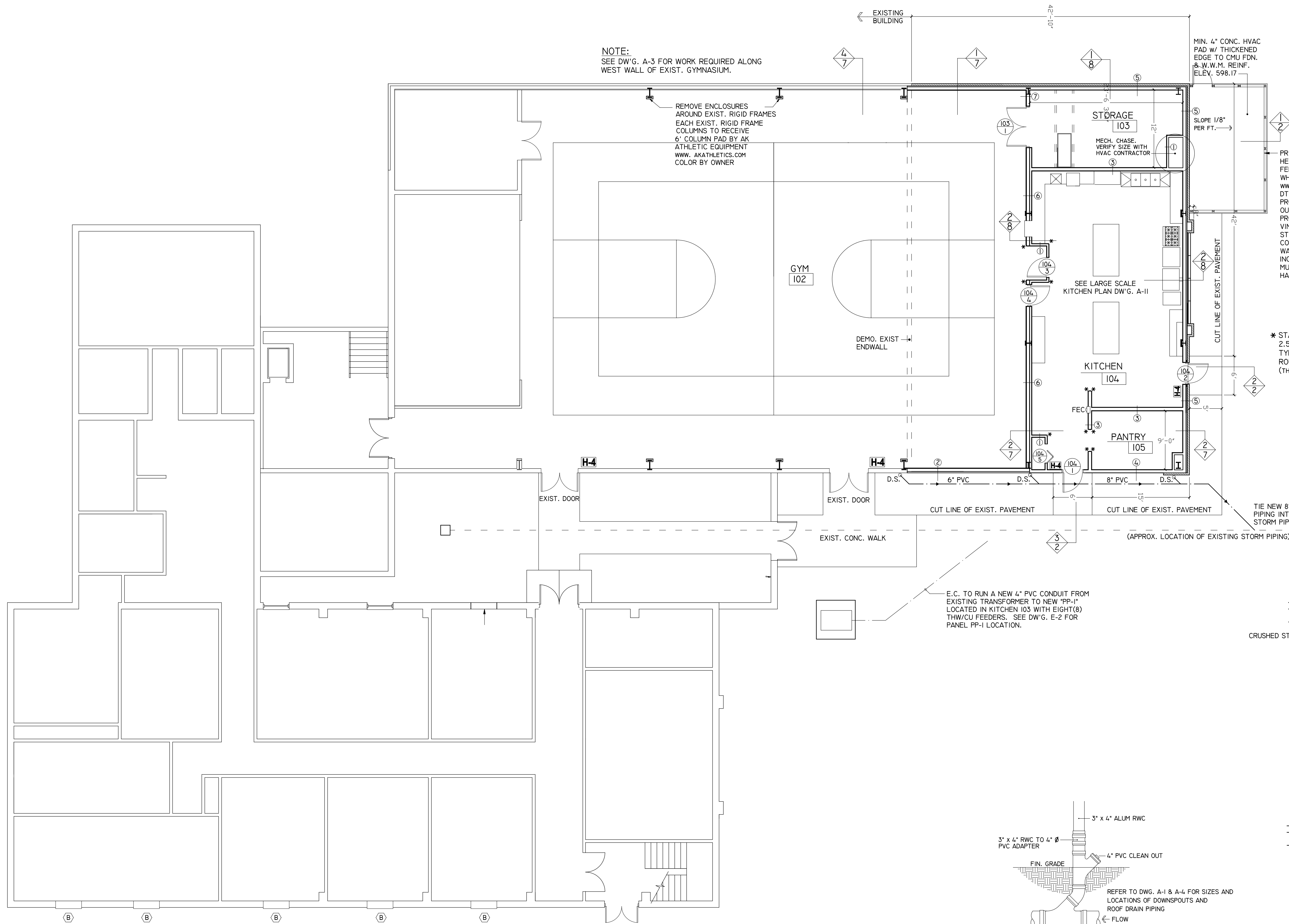
**FLOOR LIVE LOAD:** Slab-On-Grade

GROUND SNOW LOAD: 30psf		WIND LOAD: Basic Speed:115mph	
Exp. Factor:	1.00	Bldg. Category:	III
Imp. Factor :	1.25	Imp. Factor:	1.5
Therm. Factor:	1.00	Exposure:	B

**FINISH MATERIALS:**  
ACOUSTIC TILE: (ALL) U/L CLASS "A" (LESS THAN 25)  
GYPSUM WALL BD. ASTM.E84  
VINYL FLOORING: ASTM.E84 (LESS THAN 75)  
CARPET: ASTM.662 (LESS THAN 450)







**NOTES:**

ALL EXISTING AREAS DISTURBED BY THE NEW WORK SHALL BE PATCHED TO MATCH EXISTING ADJACENT SURFACES. PAINTING OF PATCHED SURFACES SHALL EXTEND TO NEAREST WALL, FLOOR, AND CEILING SURFACES.

THE OWNER WILL CONTINUE TO OCCUPY THE EXISTING BUILDING DURING THE WORK OF THIS CONTRACT, THEREFORE IT IS IMPERATIVE THAT EACH CONTRACTOR COORDINATE THEIR WORK WITH THE OWNER'S SCHEDULE IN ORDER TO EXPEDITE PROGRESS WITH THE MINIMUM POSSIBLE IMPACT ON, OR INTERRUPTION OF, THE OWNER'S USE OF THE EXISTING FACILITIES.

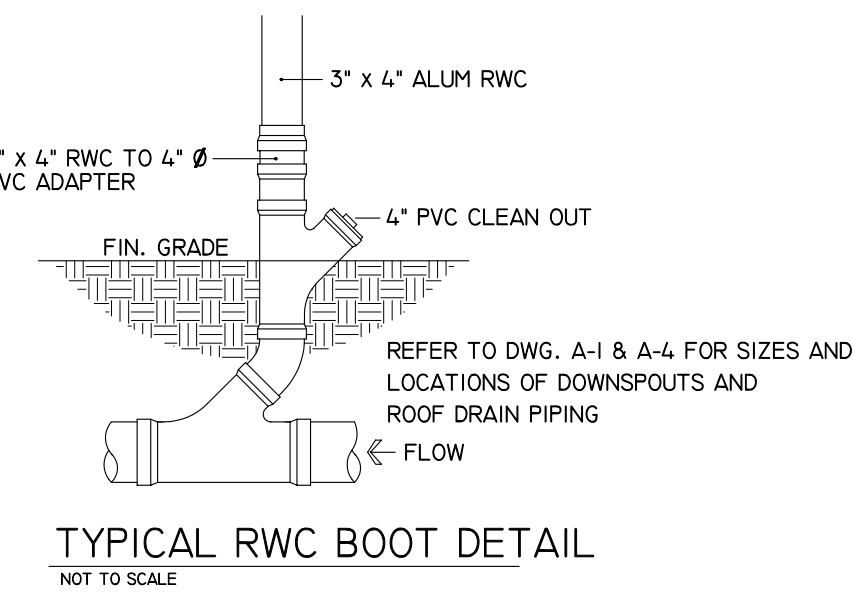
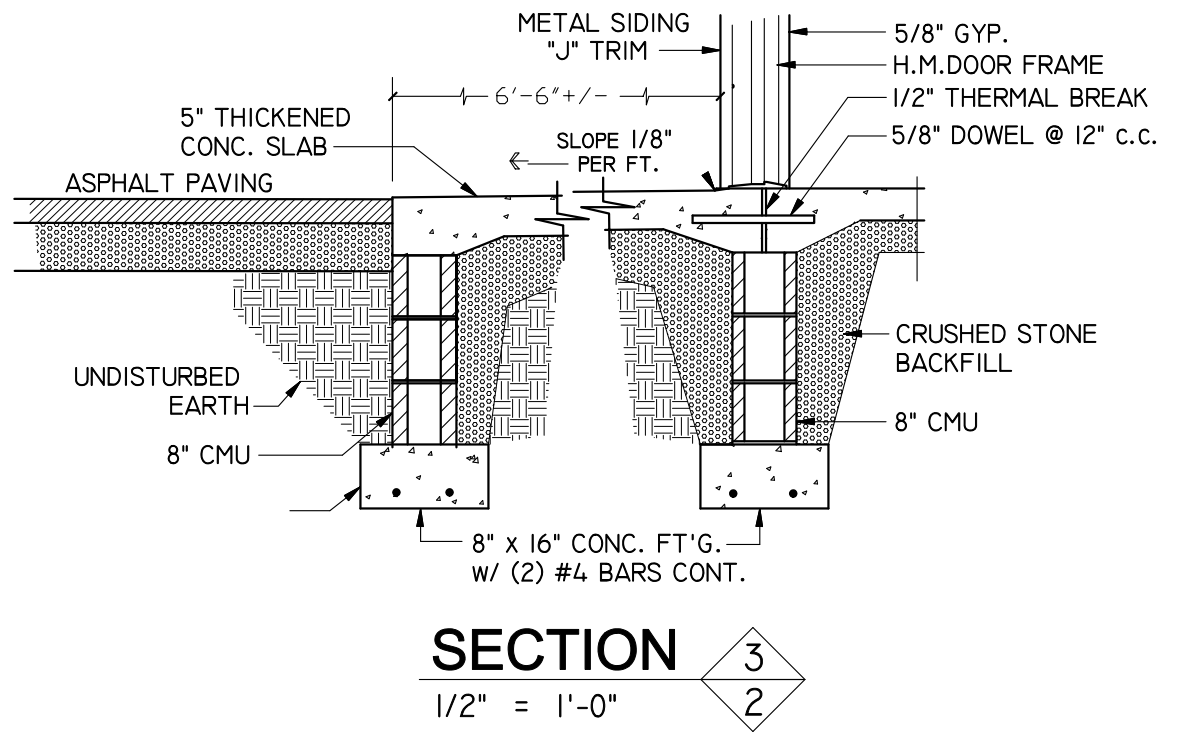
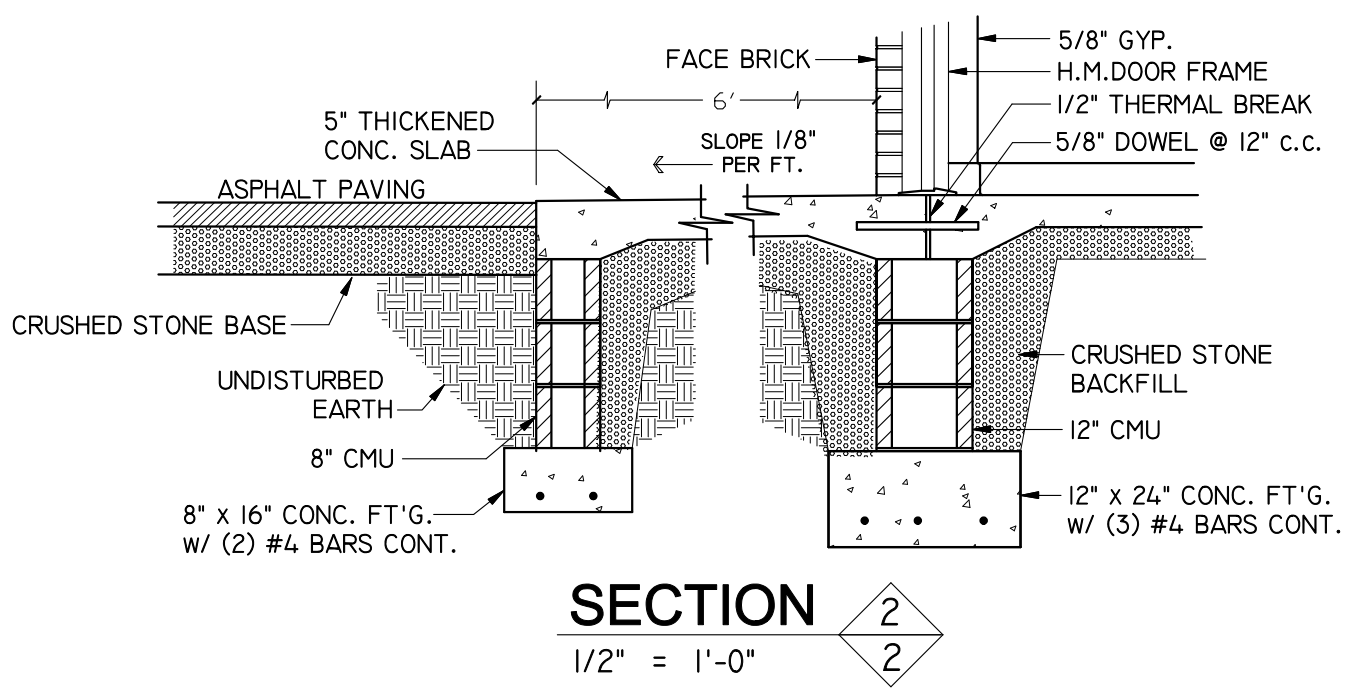
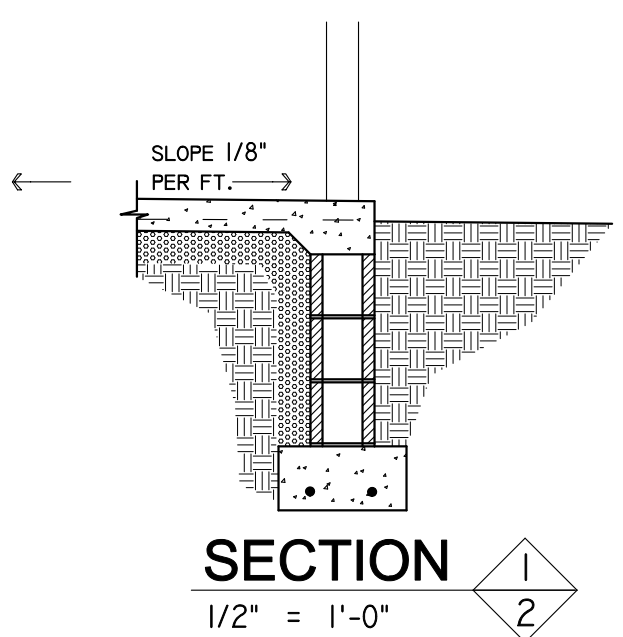
EACH CONTRACTOR SHALL ERRECT AND MAINTAIN SUCH BARRICADES AS REQUIRED TO PROTEC THE PUBLIC FROM ANY HAZARDS RESULTING FROM THEIR WORK.

THE GENERAL CONTRACTOR SHALL ERRECT AND MAINTAIN SUCH TEMPORARY PARTITIONS AND/OR STRUCTURES AS REQUIRED TO CONTROL DUST, PROTECT THE PUBLIC, AND TO MAINTAIN EGRESS, SECURITY, AND WEATHER TIGHTNESS.

**FIRE EXTINGUISHER NOTE:**

FEC DENOTES FIRE EXTINGUISHER AND CABINET. ALL FIRE EXTINGUISHERS SHALL BE J. L. INDUSTRIES COSMIC MODEL 10E, CHEMICAL TYPE, 10# CAPACITY WITH U.L. RATING 4A-60BC OR EQUAL AS APPROVED BY THE ARCHITECT.

FIRE EXTINGUISHERS SHALL BE INSTALLED IN SEMI-RECESSED CABINETS MODEL NUMBER 1525F25. MOUNTING HEIGHT TO TOP OF CABINET SHALL BE 4'-0" ABOVE FINISHED FLOOR.



**FIRST FLOOR PLAN**

1/8" = 1'-0"

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**CENTURA**

**ASSOCIATES**

DAVID M. MOLINO  
REGISTERED ARCHITECT

5858 GABRIELLE LANE CHAMBERSBURG, PA 17202  
(717) 360-0401 rfgal@centuraassociates.org

PROPOSED ADDITION

**OTTERBEIN UNITED BRETHREN CHURCH**

146 LEITERSBURG STREET  
GREENCASTLE, PA 17225

**FLOOR PLAN**

PROJECT 1802-335

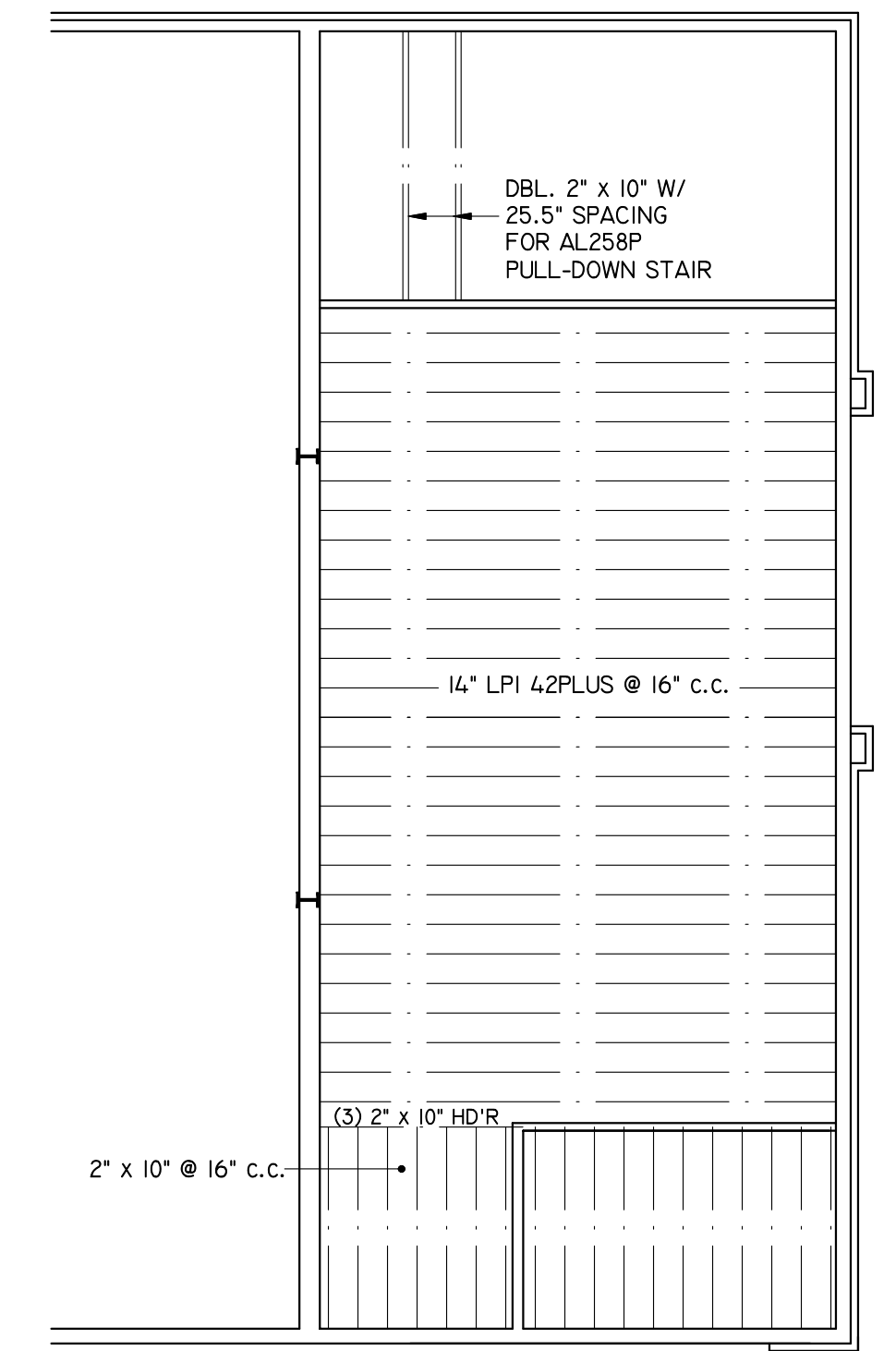
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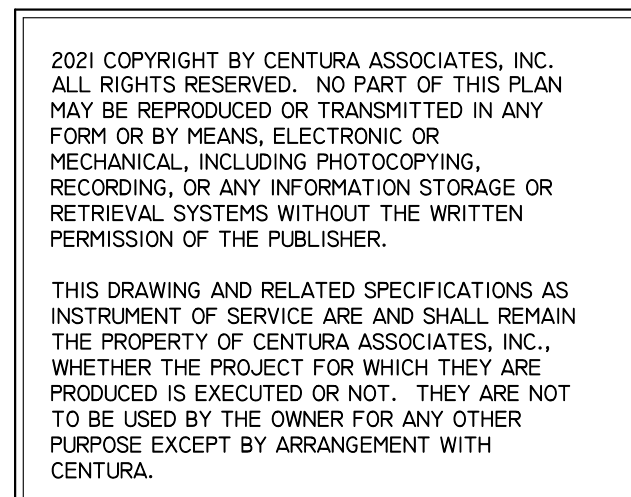



# FLOOR FRAMING PLAN

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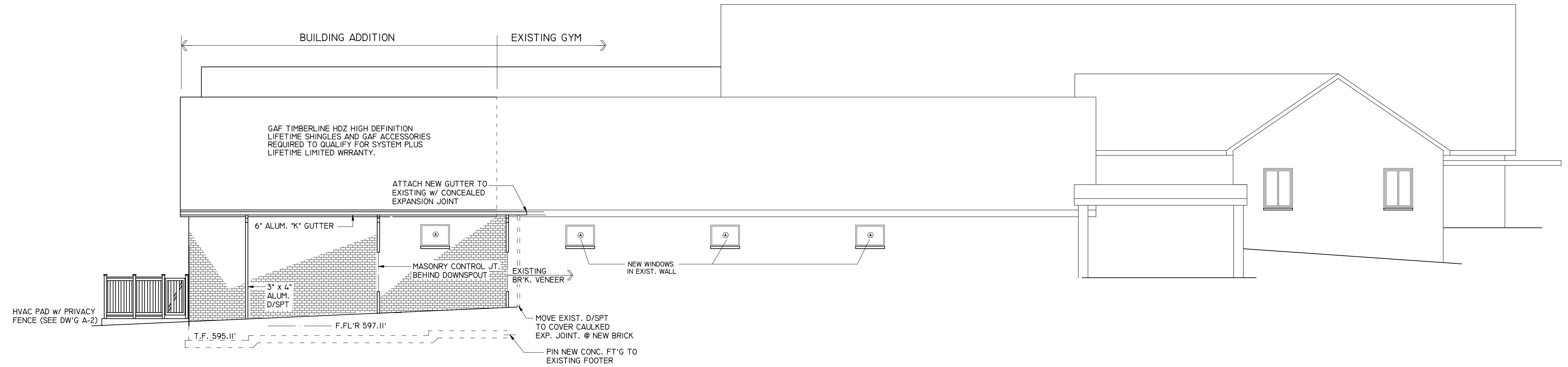
1/8" = 1'-0"

- ## ENGINEERED FLOOR JOISTS NOTES:
1. THE HANDLING AND INSTALLATION OF THE ENTIRE ENGINEERED FLOOR JOIST SYSTEM SHALL BE IN STRICT ACCORDANCE WITH THE INSTRUCTIONS AND RECOMMENDATIONS OF THE JOIST MANUFACTURER REGARDING THE STORAGE, HANDLING, ATTACHMENT, BRACING, AND BEARING REQUIREMENTS.
  2. THE INSTALLATION OF SQUASH BLOCKS AND WEB STIFFENERS AS REQUIRED SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS REGARDING PROPER NAILING, GAPS, LOCATIONS AND SPACING.
  3. ANY SQUARE, RECTANGULAR, OR ROUND HOLES IN JOIST WEBS DETERMINED TO BE ABSOLUTELY NECESSARY SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RESTRICTIONS FOR THE SIZE AND PLACEMENT OF ALL PENETRATIONS.
  4. THE ENGINEERED FLOOR JOIST SUBMITTALS PRESENTED TO THE ARCHITECT FOR APPROVAL SHALL INCLUDE ALL INSTRUCTIONS AND DETAILS REGARDING THE STORAGE, HANDLING, AND INSTALLATION OF THE FLOOR JOISTS, RIM BOARDS, SQUASH BLOCKS, WEB STIFFENERS, AND PENETRATIONS.



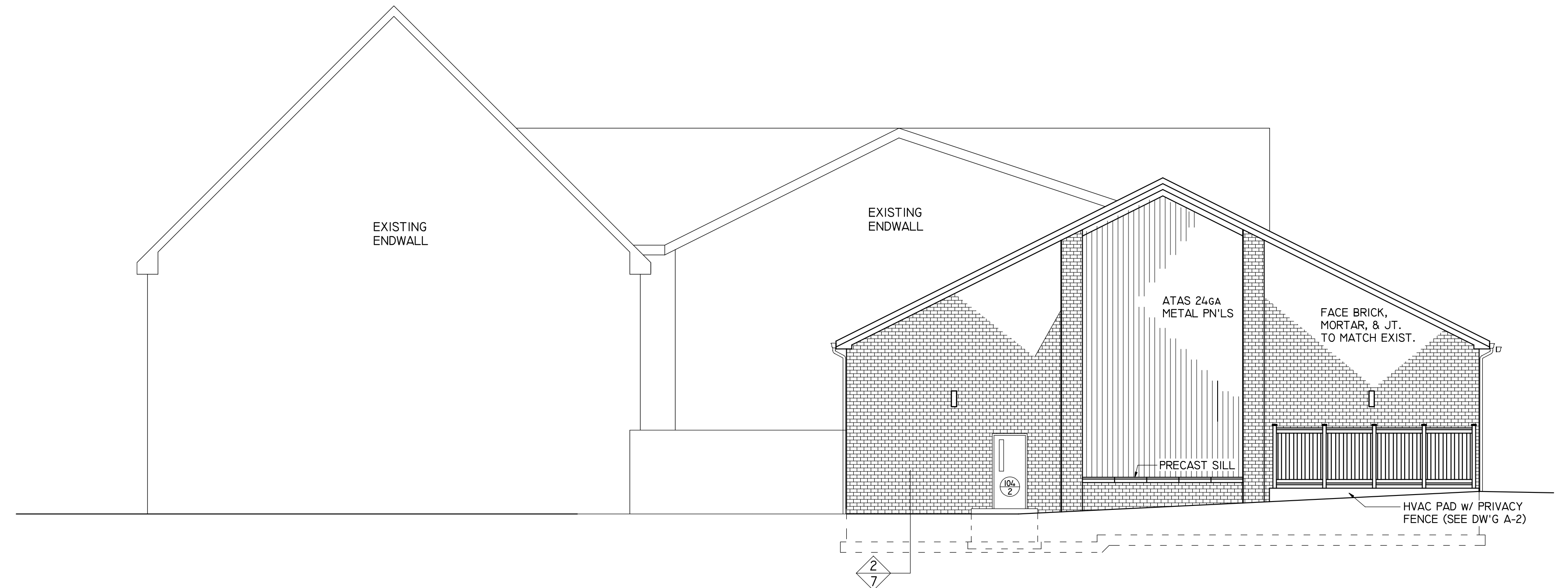
 <p><b>CENTURA</b> <b>ASSOCIATES</b></p>	<p>DAVID M. MOLINO REGISTERED ARCHITECT</p>	<p><b>PROPOSED ADDITION</b></p> <p><b>OTTERBEIN UNITED BRETHREN CHURCH</b></p> <p><b>146 LEITERSBURG STREET GREENCASTLE, PA 17225</b></p>	<p><b>PROJECT</b> <b>1802-335</b></p> <p><b>APPROVED</b></p> <p><b>DRAWN BY</b></p> <p><b>DATE</b></p>
<p>5858 GABRIELLE LANE CHAMBERSBURG, PA 17202 (717) 360-0401 <a href="mailto:info@centurassociates.org">info@centurassociates.org</a></p>			<p><b>A-3</b></p>
<p><b>EQUIPMENT LOFT &amp; DEMO PLAN</b></p>			





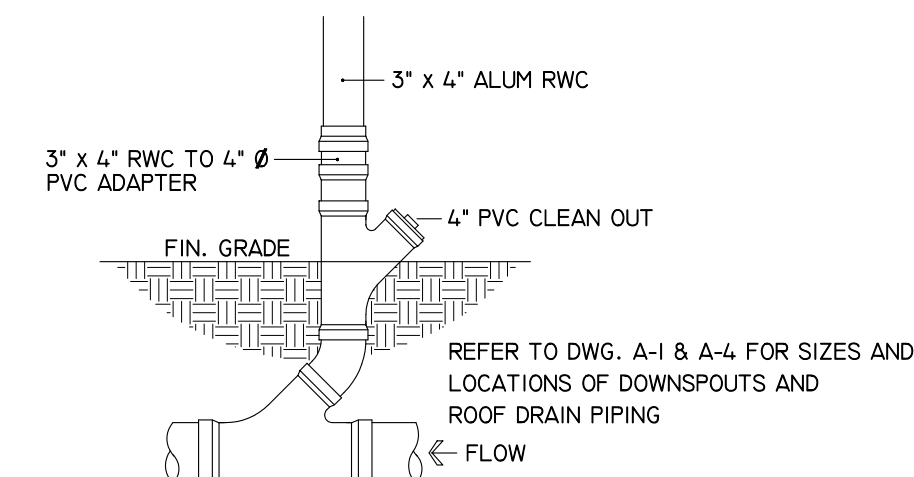
## WEST ELEVATION

1/8" = 1'-0"



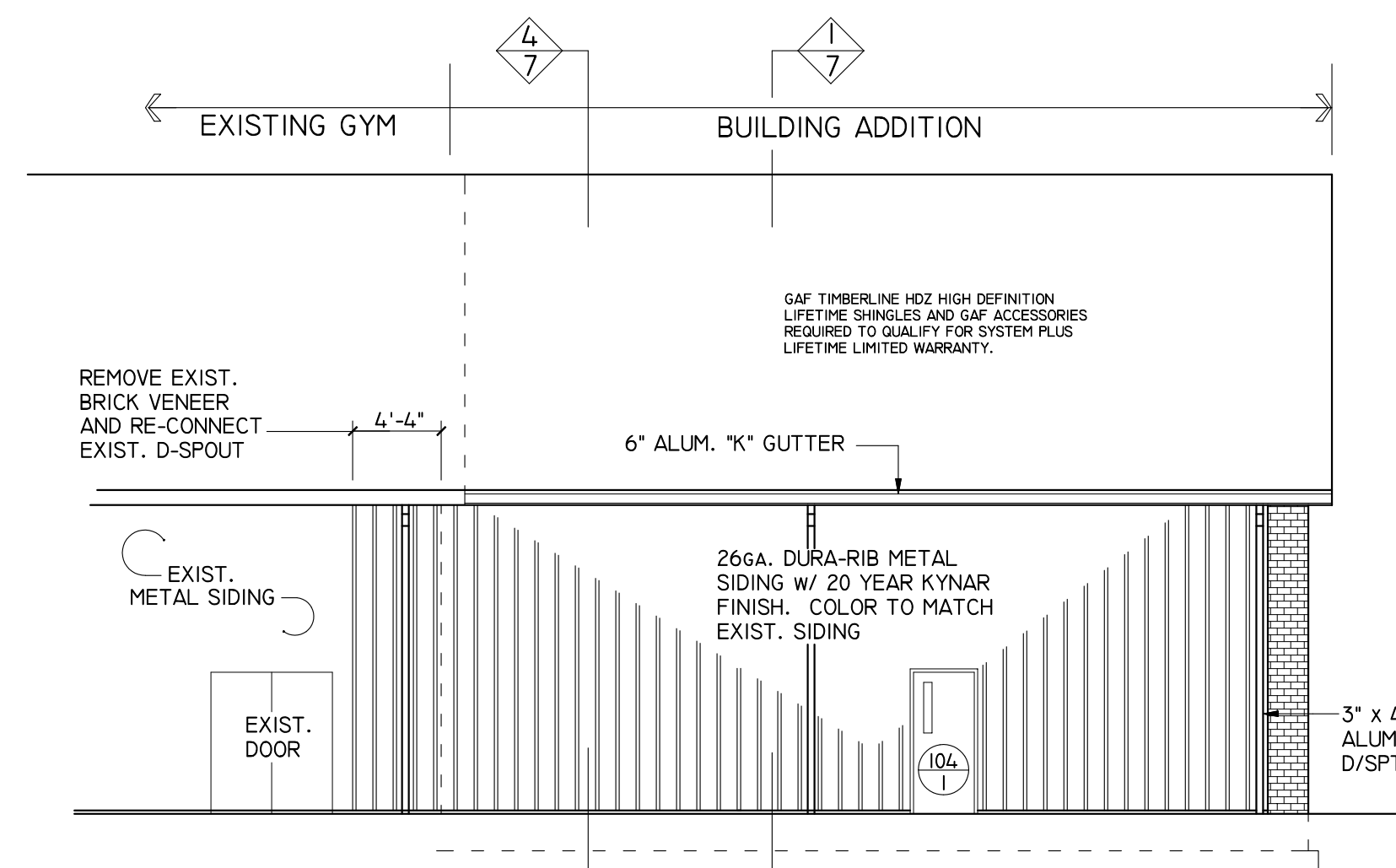
## NORTH ELEVATION

1/8" = 1'-0"



TYPICAL RWC BOOT DETAIL  
NOT TO SCALE

NOTE:  
NEW BRICK VENEER TO MATCH EXISTING  
IN SIZE, STYLE, TEXTURE, COLOR, & MORTAR

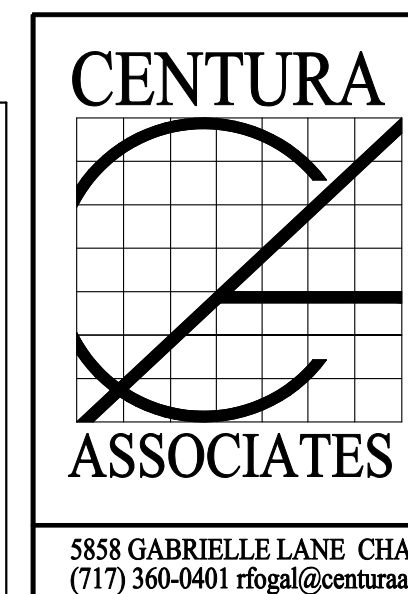


## EAST ELEVATION

1/8" = 1'-0"

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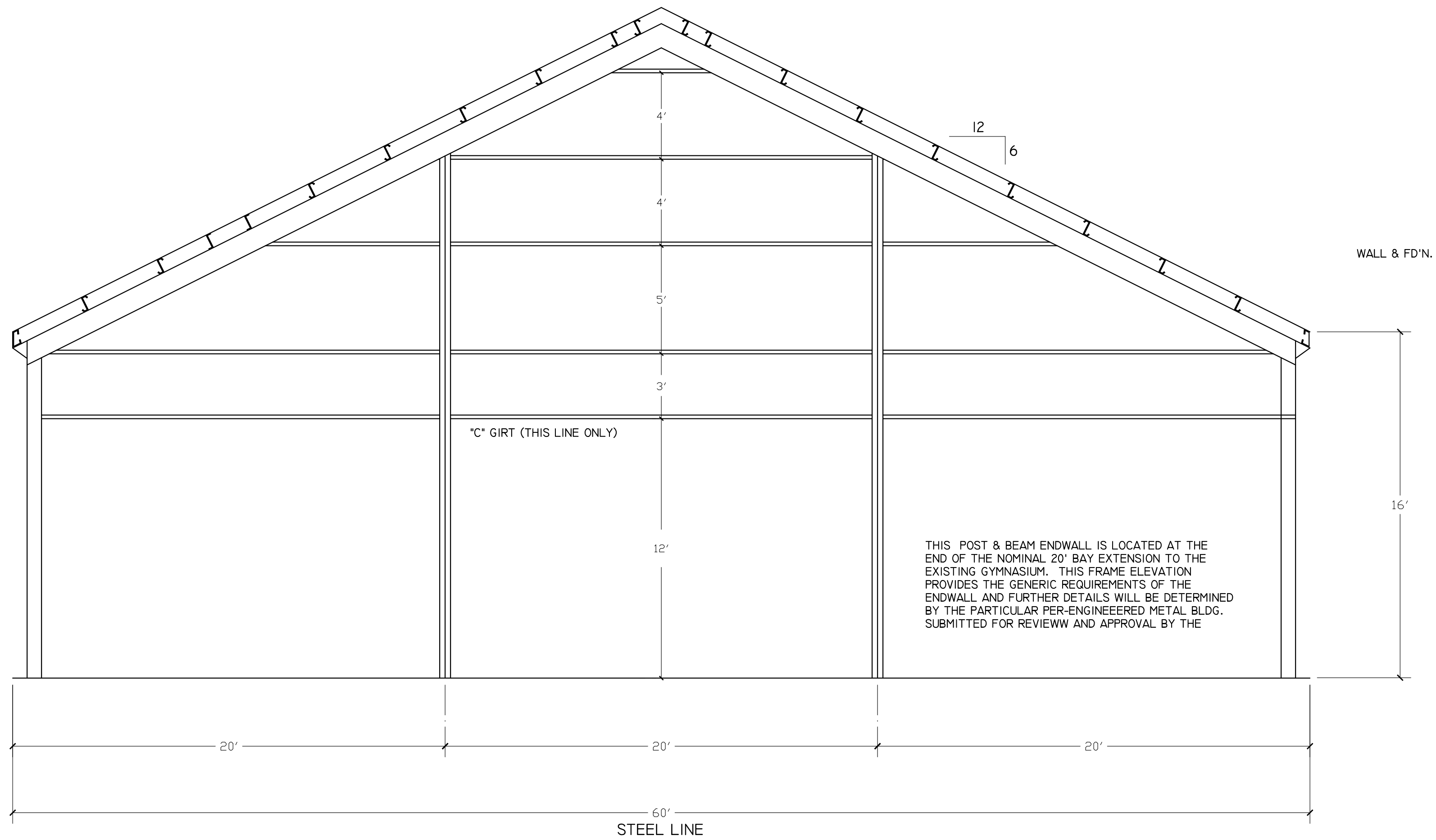
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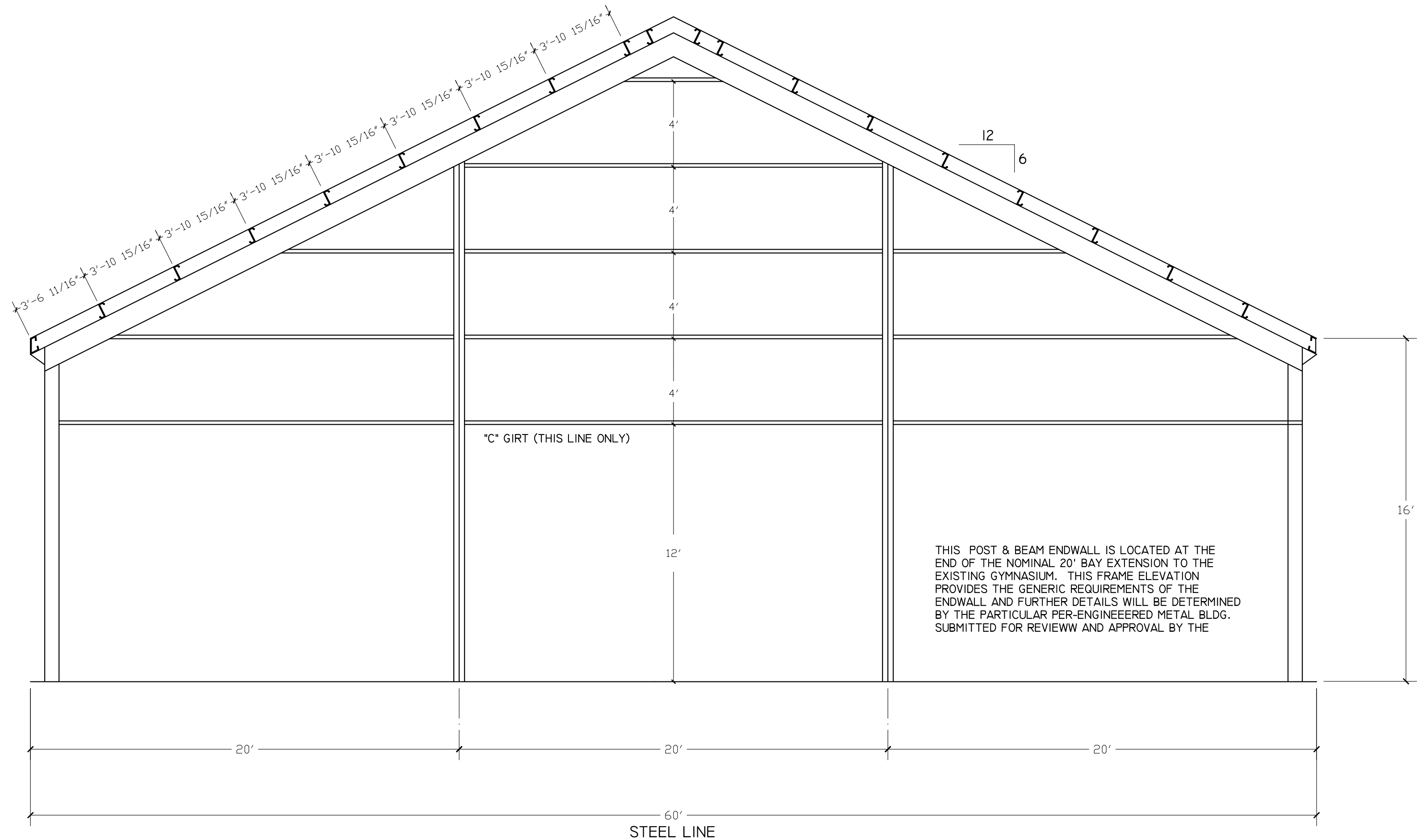
PROPOSED ADDITION  
**OTTERBEIN UNITED  
BRETHREN CHURCH**  
146 LEITERSBURG STREET  
GREENCASTLE, PA 17225  
**ELEVATIONS**

PROJECT 1802-335  
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**A-4**





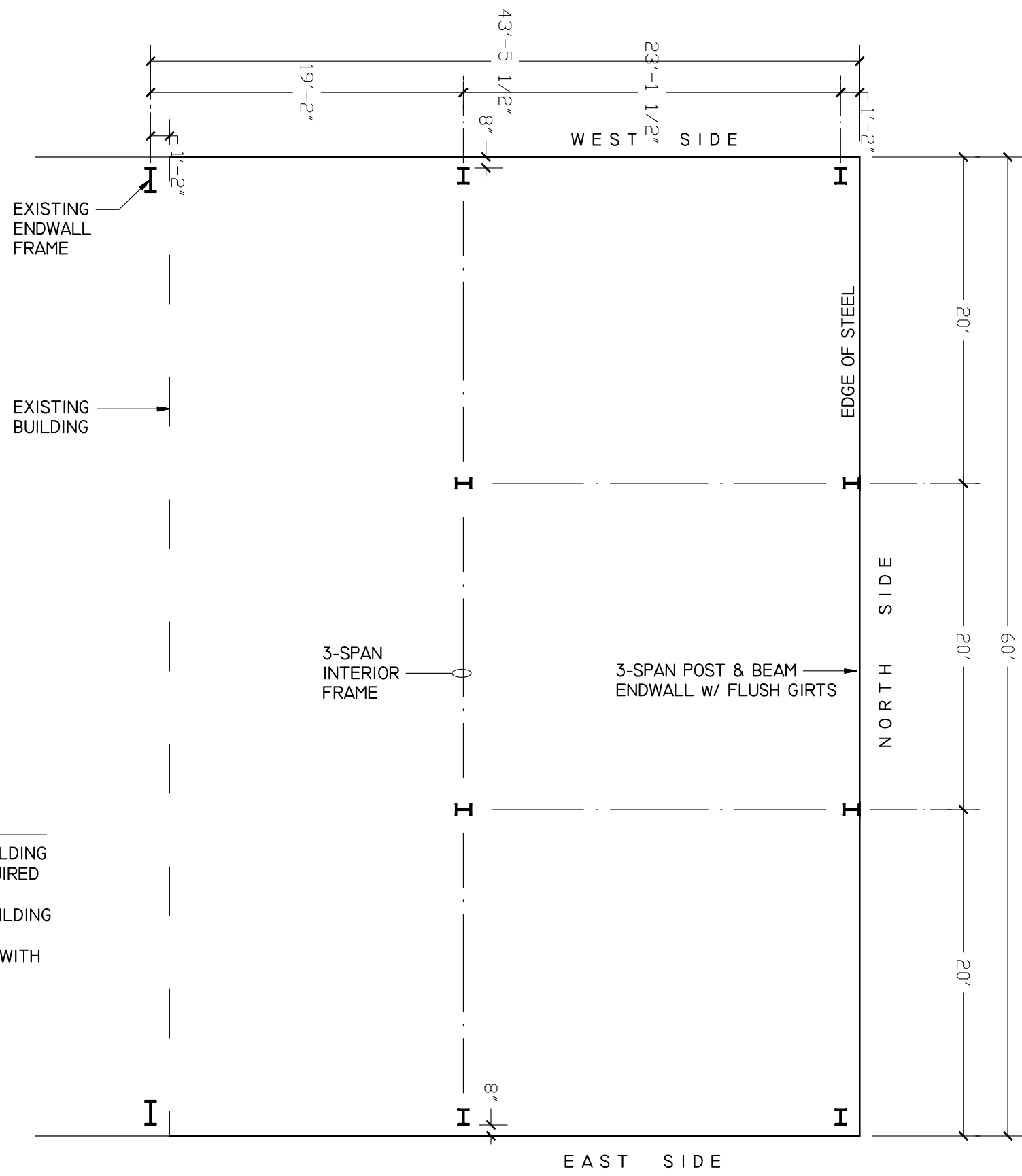
3-SPAN INTERMEDIATE FRAME  
1/4" = 1'-0"



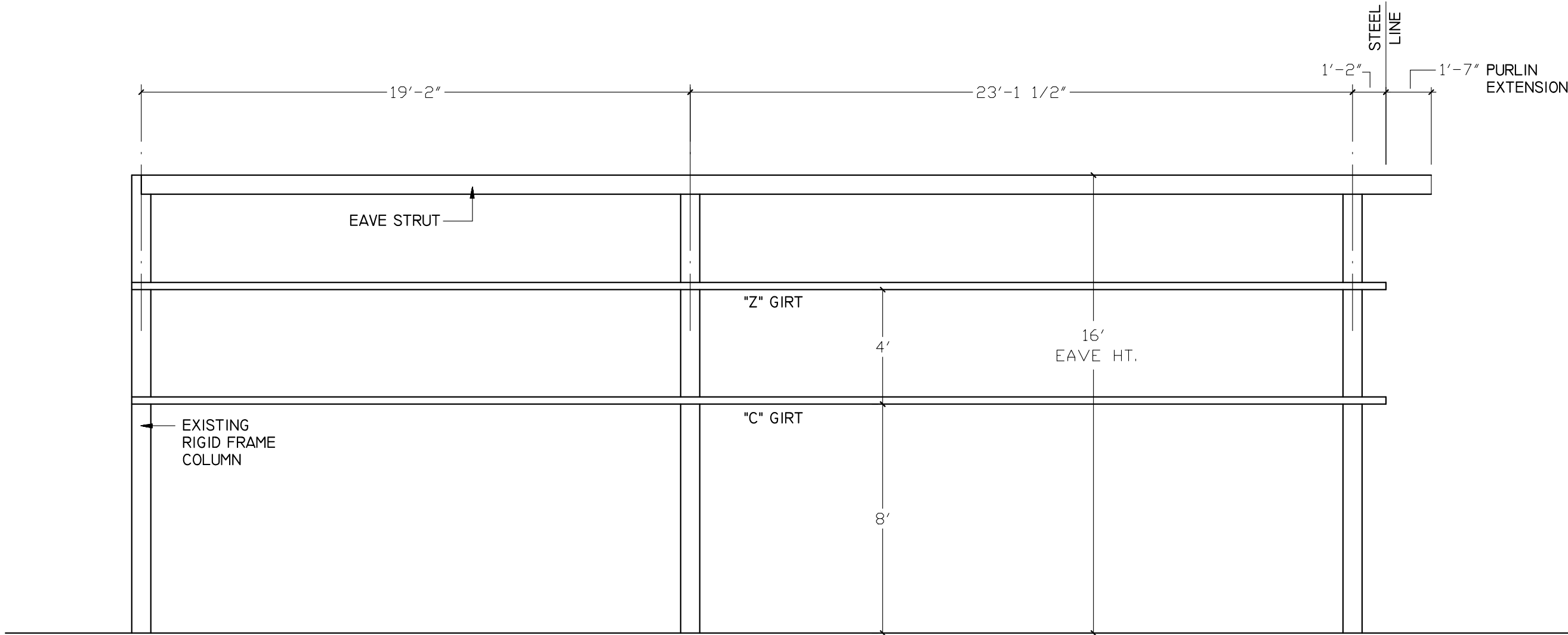
POST & BEAM NORTH ENDWALL  
1/4" = 1'-0"

PRE-ENGINEERED METAL BUILDING NOTES:

1. CONTRACTOR SHALL VERIFY DIMENSIONS, PITCH, AND PERTINENT DETAILS OF EXISTING BUILDING PRIOR TO INITIATING ENGINEER DRAWINGS FROM METAL BUILDING SUPPLIER TO ENSURE REQUIRED ALIGNMENT BETWEEN THE EXISTING STRUCTURE AND THE PRE-ENGINEERED ADDITION.
2. THE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE AS MANUFACTURED BY STAR BUILDING SYSTEMS OR AN EQUAL APPROVED BY THE ARCHITECT PRIOR TO THE BID DATE.
3. THE BUILDING SHALL BE AS INDICATED ON THESE DRAWINGS AND IN STRICT ACCORDANCE WITH MBMA BUILDING SYSTEMS MANUAL AND IBC 2015.
4. FURNISH SHOP DRAWINGS FOR ARCHITECT APPROVAL SHOWING ALL DESIGN CRITERIA AND BEARING THE SEAL OF A PENNSYLVANIA REGISTERED ENGINEER.



PRE-ENGINEERE FRAMING PLAN  
1/8" = 1'-0"

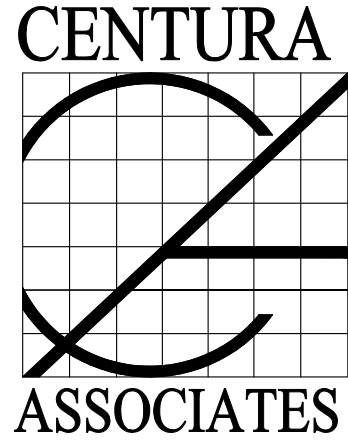


EAST SIDEWALL PRE-ENGINEERED FRAMING  
1/4" = 1'-0"

NOTE:  
WEST SIDEWALL SIMILAR OPPOSITE HAND  
WITH NO SIDEWALL GIRTS.

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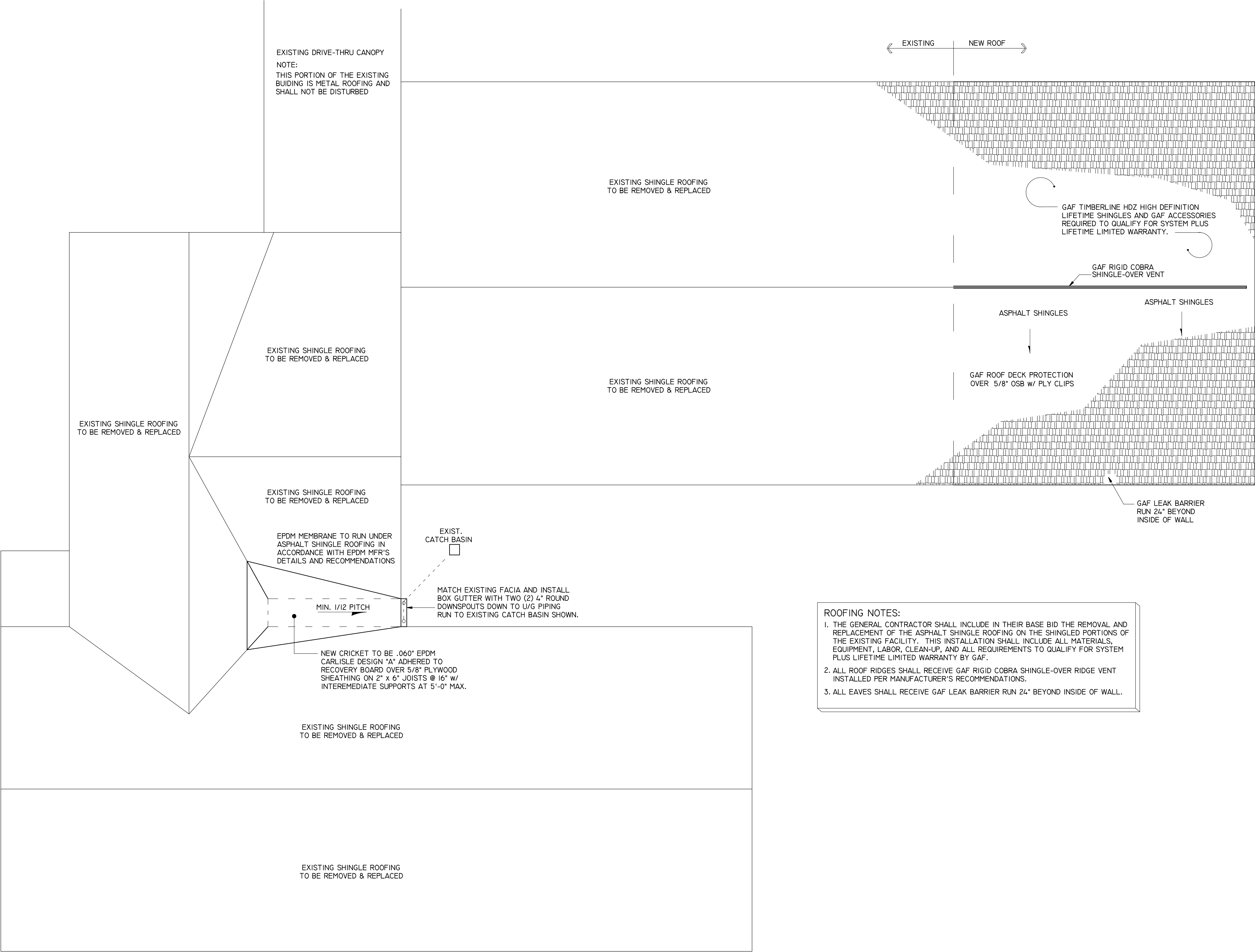
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PROPOSED ADDITION  
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BRETHREN CHURCH  
146 LEITERSBURG STREET  
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PRE-ENGINEERED METAL BUILDING

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DATE  
A-5





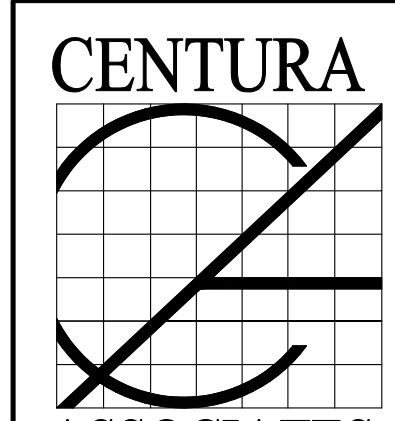
- ROOFING NOTES:
1. THE GENERAL CONTRACTOR SHALL INCLUDE IN THEIR BASE BID THE REMOVAL AND REPLACEMENT OF THE ASPHALT SHINGLE ROOFING ON THE SHINGLED PORTIONS OF THE EXISTING FACILITY. THIS INSTALLATION SHALL INCLUDE ALL MATERIALS, EQUIPMENT, LABOR, CLEAN-UP, AND ALL REQUIREMENTS TO QUALIFY FOR SYSTEM PLUS LIFETIME LIMITED WARRANTY BY GAF.
  2. ALL ROOF RIDGES SHALL RECEIVE GAF RIGID COBRA SHINGLE-OVER RIDGE VENT INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
  3. ALL EAVES SHALL RECEIVE GAF LEAK BARRIER RUN 24" BEYOND INSIDE OF WALL.

ROOF PLAN

1/8" = 1'-0"

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ASSOCIATES

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PROPOSED ADDITION

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BRETHREN CHURCH**

146 LEITERSBURG STREET  
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**ROOF PLAN**

PROJECT 1802-335

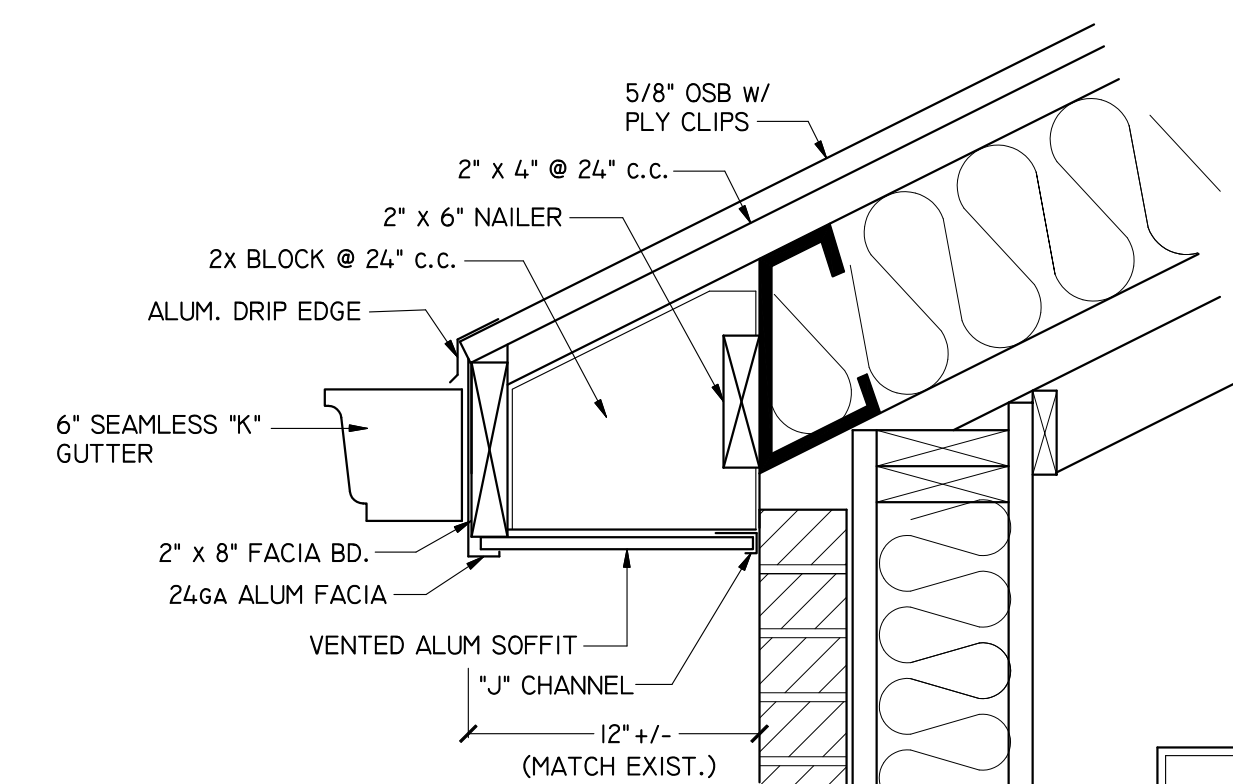
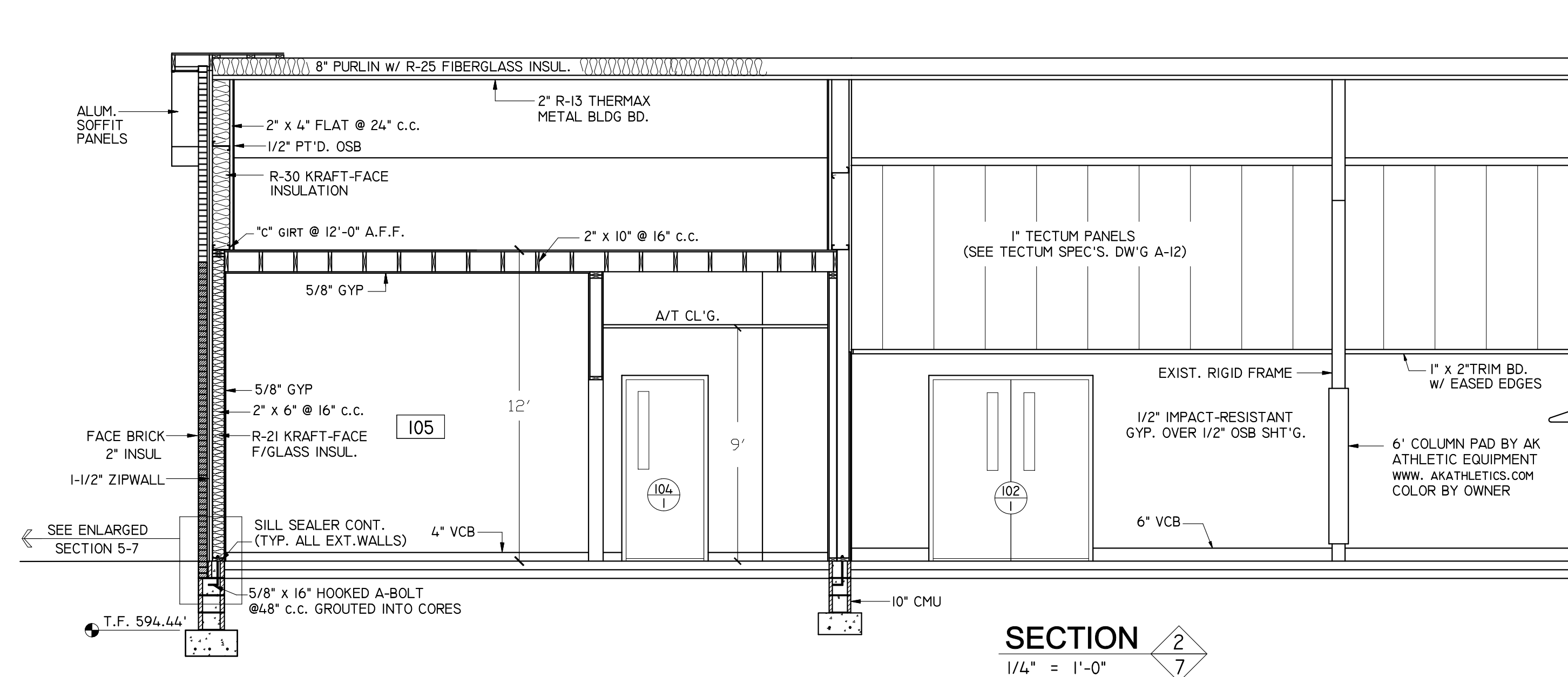
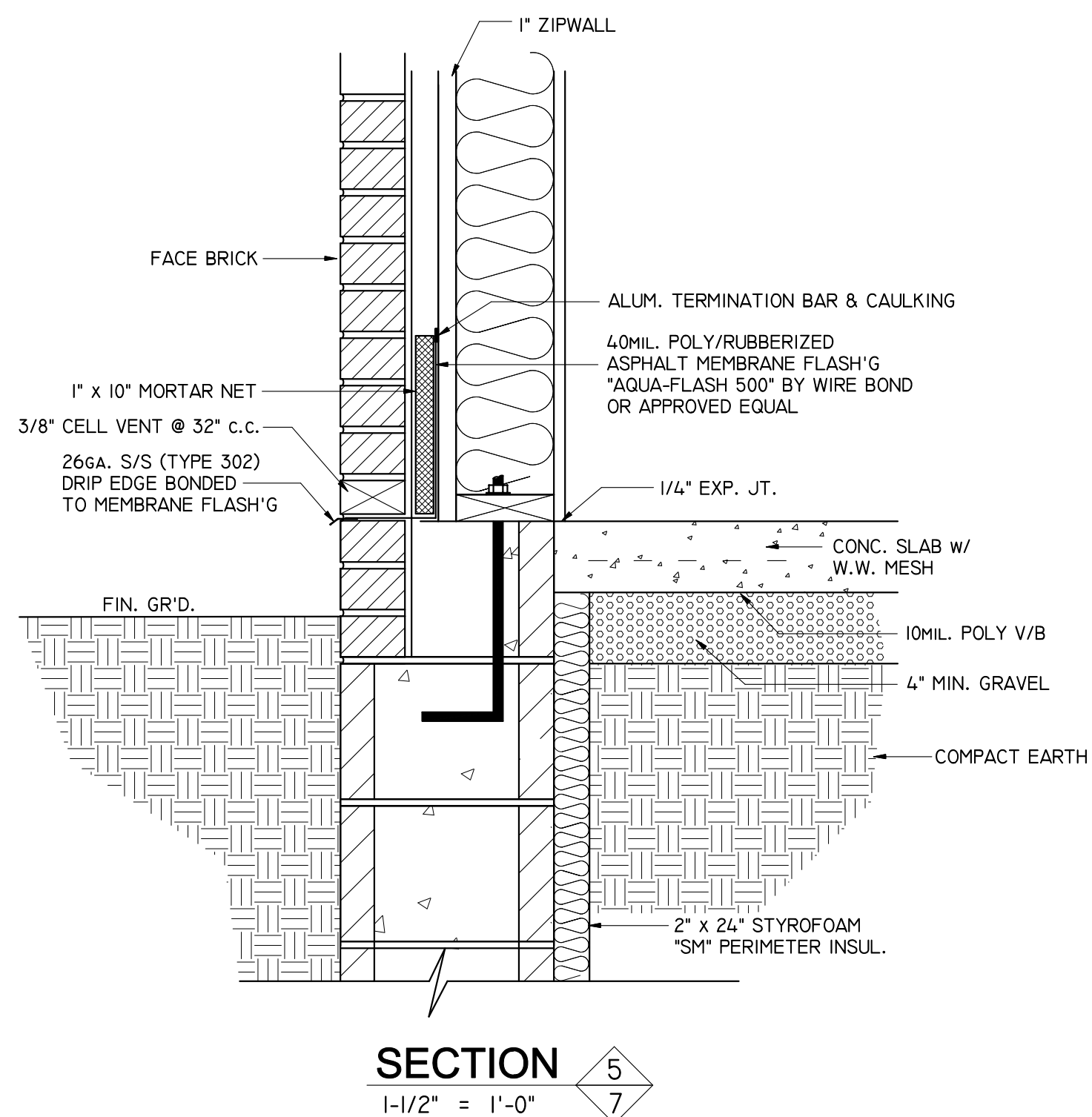
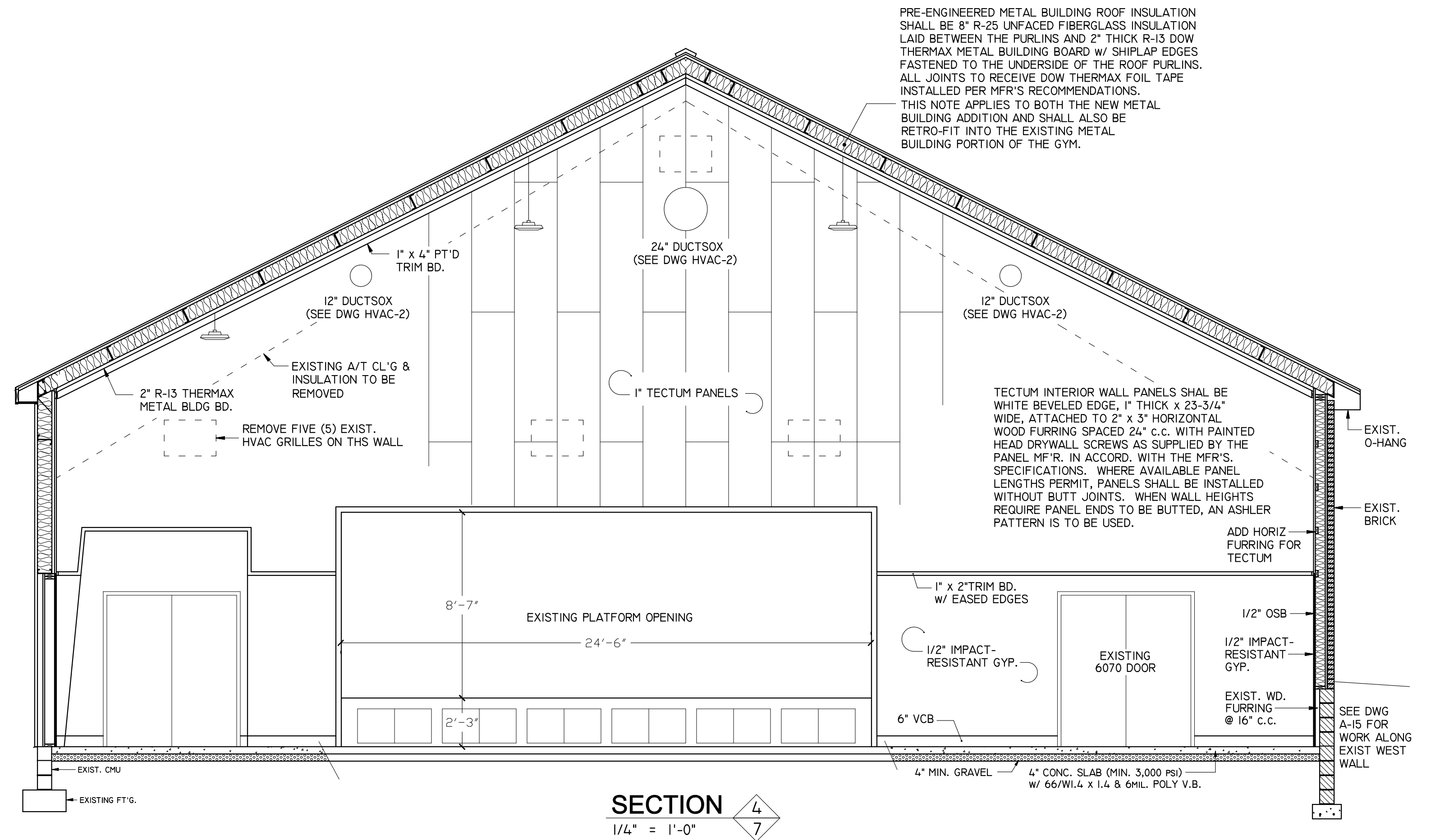
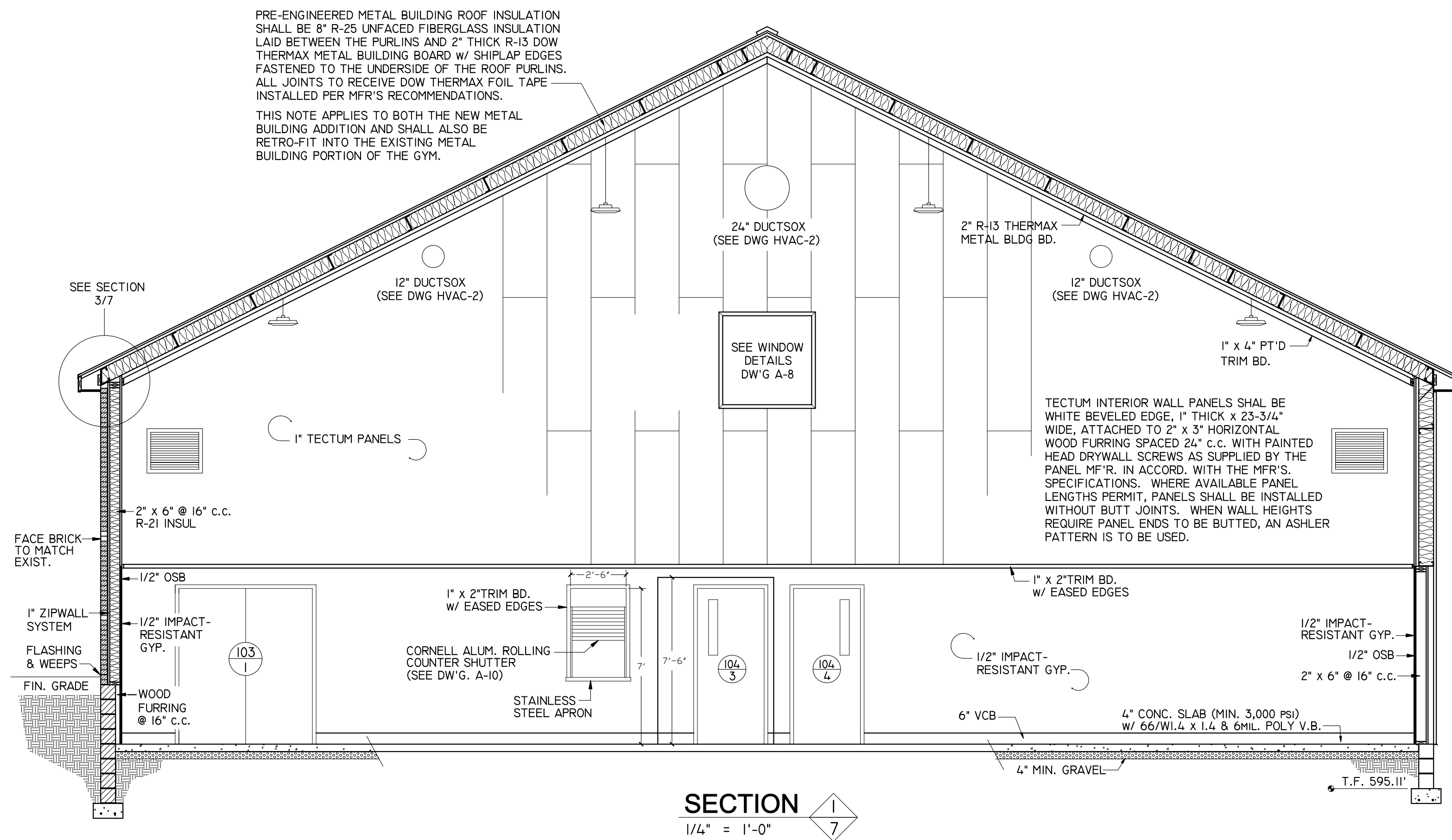
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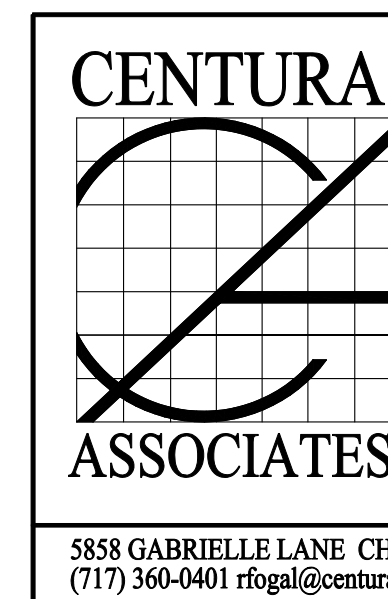
**A-6**





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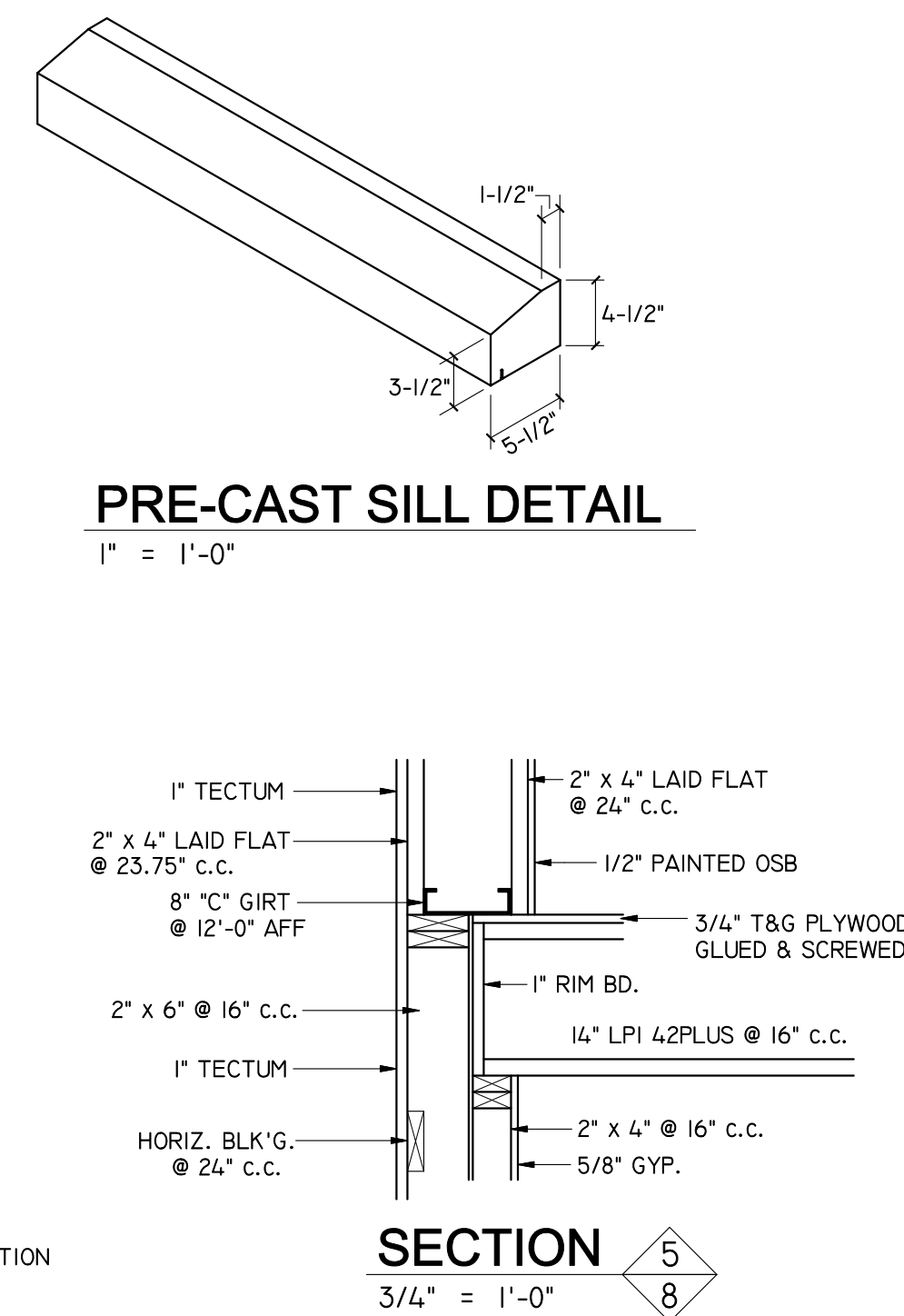
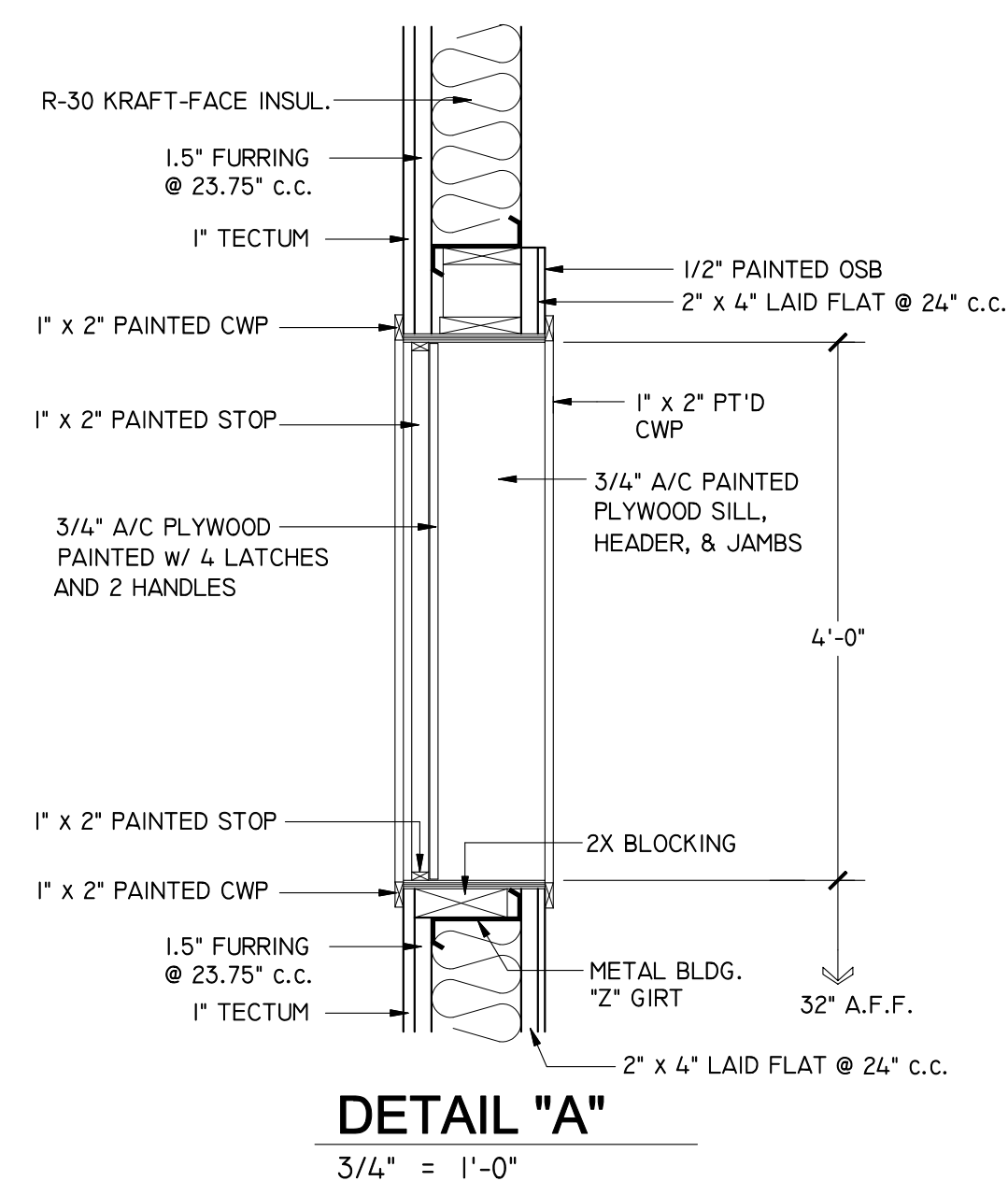
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REGISTERED ARCHITECT


5858 GABRIELLE LANE CHAMBERSBURG, PA 17202  
(717) 360-0401 rfoal@centuraassociates.org

PROPOSED ADDITION  
**OTTERBEIN UNITED BRETHREN CHURCH**  
146 LEITERSBURG STREET  
GREENCASTLE, PA 17225  
**BUILDING SECTIONS**

PROJECT 1802-335  
APPROVED  
DRAWN BY  
DATE  
**A-7**





**CENTURA**  
  
**ASSOCIATES**

5858 GABRIELLE LANE CH  
(717) 360-0401 rfiora@centura

<p>PROPOSED ADDITION</p> <p><b>OTTERBEIN UNITED BRETHREN CHURCH</b></p> <p>146 LEITERSBURG STREET GREENCASTLE, PA 17225</p>	<p><b>BUILDING SECTIONS</b></p>
---	---------------------------------

A-8

\* STAINLESS STEEL BULLNOSE CORNER GUARD  
2.5" x 2.5" x 72", 90 DEGREE, 16GA.  
TYPE 304, SATIN #4. (BRUSHED) FINISH,  
ROUNDED CORNERS W/ SELF-STICK TAPE  
(THECORNERGUARDSTORE.COM)

#### KITCHEN CABINET SPECIFICATIONS:

PROVIDE BASE AND WALL CABINETS PER PLAN AND ELEVATIONS. CABINETS SHALL BE FORMICA CLAD 5/8" PARTICLE BOARD ALL INTERIOR AND EXTERIOR SURFACES. INTERIOR SURFACES SHALL BE WHITE FORMICA AND OWNER SHALL SELECT CABINET AND DOOR FACE COLORS. ALL DOOR HINGES SHALL BE SELF-CLOSING. DRAWER GUIDES SHALL BE SIDE MOUNTED BALL BEARING TYPE ABLE TO SUPPORT 80 LBS. ALL DOORS AND DRAWERS SHALL BE SUPPLIED WITH PULLS. OWNER TO SELECT HARDWARE.

129.25 sf

PANTRY 105

#### KITCHEN PLAN

1/4" = 1'-0"

#### KITCHEN EQUIPMENT SCHEDULE

- HAND SINK
- ICE MACHINE
- MICROWAVES
- COFFEE MAKER
- TEA MAKER
- DIRTY DISH CT'R & SINK
- DISHWASHER
- S.S. TABLE
- TRIPLE BOWL SINK
- S.S. TABLE W/ B-SPLASH
- RANGE
- GRIDDLE
- CONVECTION OVEN
- CONVECTION STEAMER
- NFPA RANGE HOOD
- S.S. TOP W/ B-SPLASH
- FREEZER
- FREEZER
- REFRIGERATOR
- S.S. TOPS W/ 2-BOWL SINK
- S.S. TABLE W/ SINK
- BENCH MIXER

NOTE: ALL KITCHEN EQUIPMENT LISTED ABOVE TO BE SUPPLIED BY OWNER. CONTRACTOR SHALL PROVIDE ALL NECESSARY ROUGH-IN AND MAKE FINAL PLUMBING, GAS, AND ELECTRICAL CONNECTIONS.

#### ROOM FINISH SCHEDULE

RM. NO.	NAME	FLOOR	BASE	WALL	CEILING	HEIGHT	REMARKS
102	GYMNASIUM	LVT	2" VCB	PT'D GYP.	PT'D GYP.	12'-0"	SEE NOTE 2 BELOW
103	STORAGE	LVT	2" VCB	PT'D GYP.	PT'D GYP.	12'-0"	SEE NOTE 2 BELOW
104	KITCHEN	EPOXY	EPOXY	GYP & C.T.	AT-3	10'-0"	SEE A/T CLG. NOTE BELOW
105	PANTRY	EPOXY	EPOXY	PT'D GYP.	AT-3	9'-0"	SEE A/T CLG. NOTE BELOW

\*AT-3\* CEILING TO BE ARMSTRONG #673, 24" x 24" WHITE, W/ 15/16" WHITE PRELUDE GRID

#### NOTES:

- DRYWALL FINISH SHALL CONSIST OF L1 TAPE COAT, L2 EMBED COAT, L3 FILL COAT, L4 FINISH COAT, AND PRIMER/PAINT FINISH PER PROJECT SPECIFICATIONS
- A MATERIAL ALLOWANCE OF \$5.00/SQUARE FOOT SHALL BE INCLUDED IN THE CONTRACT FOR LVT FLOORING AND VINYL COVE BASE IN STORAGE ROOM 103. ALL OTHER MATERIALS, INSTALLATION, AND COST RELATED TO FINISH FLOORING SHALL BE INCLUDED IN THE BASE BID. (GYM FLOORING EXCLUDED, BY OWNER.)
- ALL MATERIAL TRANSITIONS IN FLOOR MATERIAL SHALL OCCUR UNDER THE CENTERLINE OF DOOR. PROVIDE VINYL TRANSITION/REDUCER STRIP(S) AT ALL CHANGES IN FLOORING MATERIAL, UNLESS NOTED OTHERWISE. TRANSITION STRIPS SHALL BE AS MANUFACTURED BY JOHNSONITE, COLOR TO MATCH FLOOR, PROFILE AS REQUIRED, MINIMAL AS POSSIBLE.

#### DOOR SCHEDULE

NO.	TYPE	W	H	TH'K	MAT.	FRAME	JAMB	THRES.	GLAZING	LOUVER	LABEL	PANIC	CLOSER	SIGNAGE	REMARKS
103-1	D	6'-0"	7'-0"	1-3/4"	WD	HM	10	-	-	-	-	-	-	-	
104-1	C	3'-0"	7'-0"	1-3/4"	WD	HM	11	-	5' x 36" SAFETY	-	-	-	YES	-	
104-2	C	3'-0"	7'-0"	1-3/4"	HM	HM	9	ALUM.	5' x 36" SAFETY	-	-	-	YES	-	
104-3	C	3'-0"	7'-0"	1-3/4"	WD	HM	3A	-	5' x 36" SAFETY	-	-	-	YES	-	
104-4	C	3'-0"	7'-0"	1-3/4"	WD	HM	10	-	5' x 36" SAFETY	-	-	-	YES	-	
104-5	G	3'-0"	7'-0"	1-3/4"	WD	HM	3A	-	-	-	-	-	-	-	S/C WOOD BI-FOLD

1060.85 SF LVT, 140 SF 4" Vinyl Base  
913.47 SF  
129.76 SF > 200 LF Integral Cove Base

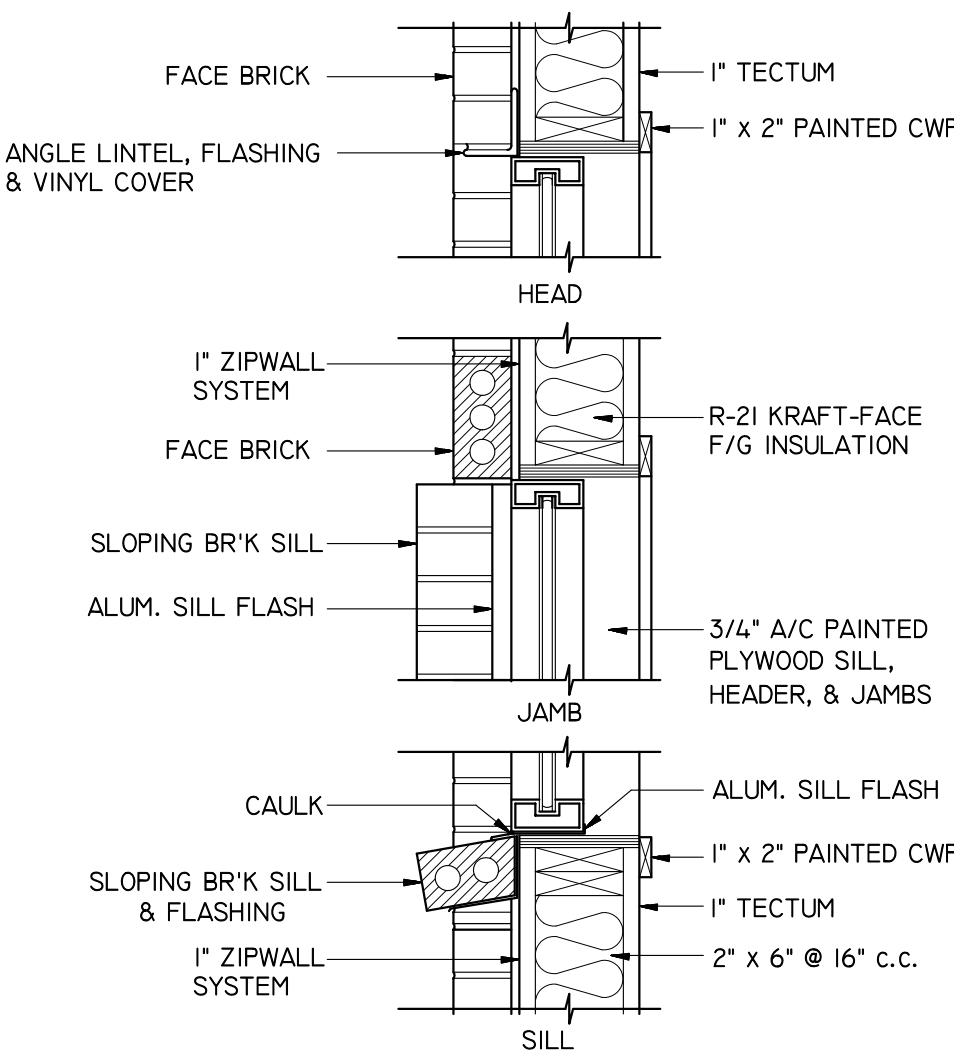
GLAZED ALUMINUM WINDOWS SHALL BE CONSTRUCTED USING KAWNEER 451-T DARK BRONZE ANODIZED FRAMES AND 1" INSULATED GLAZING. INSTALLATION SHALL BE PER MFR'S. RECOMMENDATIONS.

#### WINDOW TYPES

1/4" = 1'-0"

WINDOW "D" SHALL BE AN ALUM. ROLLING COUNTER SHUTTER BY COOKSON/CORNELL MT'D. BETWEEN JAMBS W/ 2-1/4" x 2-1/4" TRACK & 10" x 10" HOOD INSERTED INTO DRYWALL OP'G.

\* DIMENSIONS SHOWN FOR WINDOWS B & C SHALL BE USED FOR NEW CONSTRUCTION AND ARE APPROX. FOR RETROFIT LOCATIONS. VERIFY FINAL DIMENSIONS FOR EXISTING OPENINGS.



#### TYPE "A" WINDOW

GYM 102 1" = 1'-0"

#### JAMB TYPES

1" = 1'-0"

\* STAINLESS STEEL BULLNOSE CORNER GUARD 2.5" x 2.5" x 72", 90 DEGREE, 16GA. TYPE 304, SATIN #4 (BRUSHED) FINISH, ROUNDED CORNERS W/ SELF-STICK TAPE (THECORNERGUARDSTORE.COM)

#### DOOR TYPES

1/4" = 1'-0"

#### KITCHEN ELEVATION NORTH

1/4" = 1'-0"

#### KITCHEN ELEVATION EAST

1/4" = 1'-0"

#### KITCHEN ELEVATION SOUTH

1/4" = 1'-0"

#### KITCHEN ELEVATION WEST

1/4" = 1'-0"

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PROPOSED ADDITION  
**OTTERBEIN UNITED  
BRETHREN CHURCH**  
146 LEITERSBURG STREET  
GREENCASTLE, PA 17225  
**SCHEDULES & DETAILS**

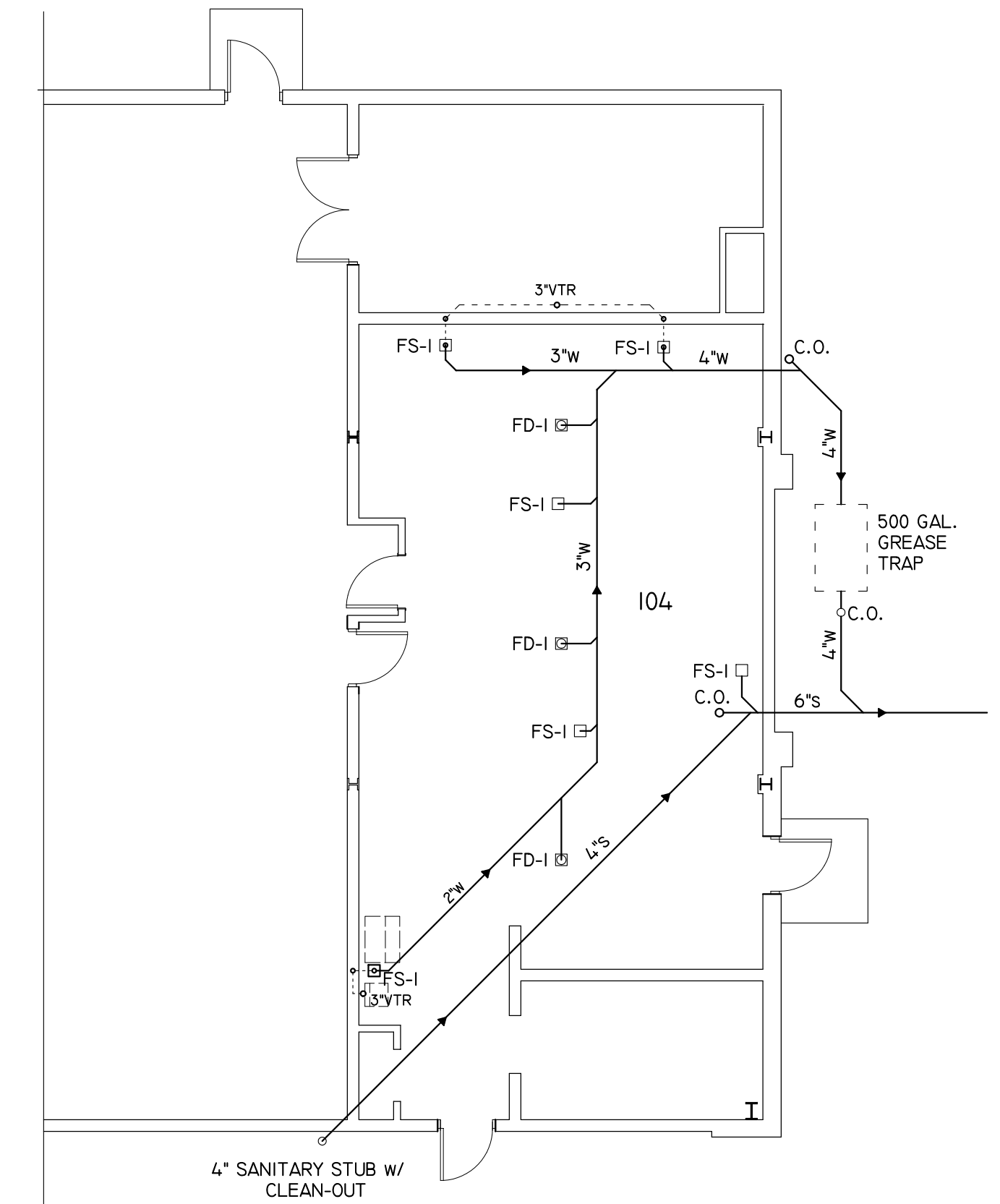
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A-9





# WASTE PLUMBING PLAN

$$1/8" = 1'-0"$$

## PLUMBING FIXTURE SCHEDULE

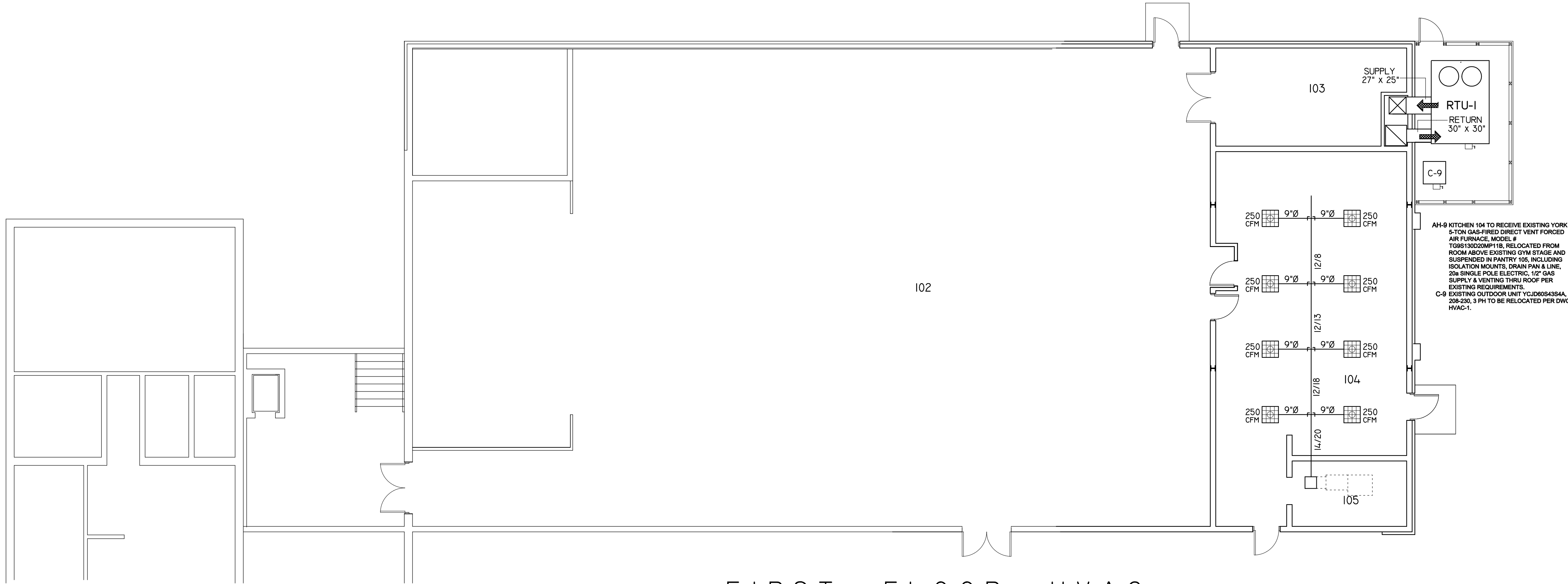
2. PROVIDE ZURN #Z-1022 AUTO TRAP PRIMER & #Z-1023 TRAP PRIMER CONNECTOR

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PROPOSED ADDITION OTTERBEIN UNITED BRETHREN CHURCH 146 LEITERSBURG STREET GREENCASTLE, PA 17225
PLUMBING PLAN

P-1

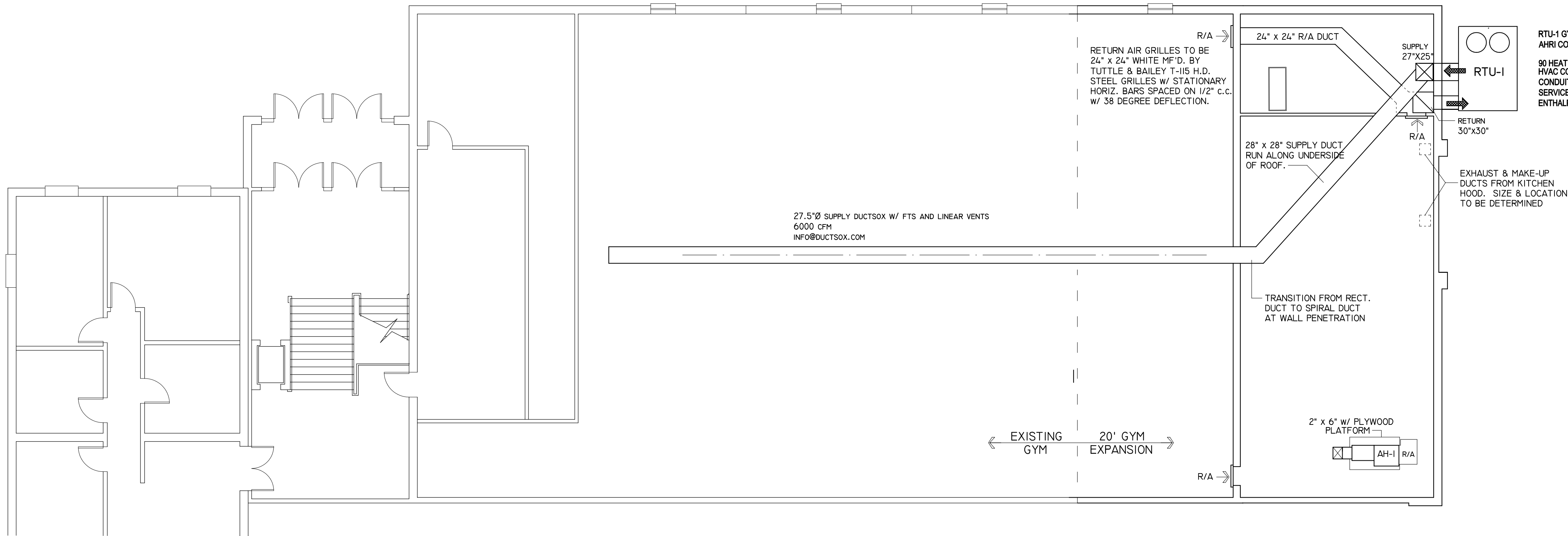


## FIRST FLOOR HVAC

1/8" = 1'-0"

### HVAC NOTES:

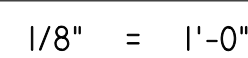
1. PROVIDE AN MHK1 REMOTE CONTROLLER KIT AT DESIGNATED THERMOSTAT LOCATIONS FOR ALL UNITS.
2. ALL CONDENSATE PIPING SHALL BE SIZED IN ACCORDANCE WITH THE SPECIFIED DIAMETER AND SHALL BE CONCEALED TO GRADE.
3. ALL REFRIGERATED PIPING SHALL BE INSULATED AS REQUIRED BY THE EQUIPMENT MANUFACTURER.
4. ALL BRANCH DUCTS SHALL BE SUPPLIED WITH IN-LINE DAMPERS.
5. THE MECHANICS EMPLOYED IN THE WORK RELATED TO HEAT PUMP EQUIPMENT AND THEIR CONTROLS SHALL HAVE BEEN ENGAGED IN WORK OF THIS TYPE FOR A MINIMUM OF FIVE (5) YEARS.
6. ALL REFRIGERANT PIPING SHALL BE RUN CONCEALED. WHERE PIPING IS NOT ACCESSIBLE IN WALLS OR CHASES, IT SHALL BE RUN WITHOUT JOINTS.
7. SUPPLY DUCT IN CONDITIONED SPACES SHALL BE INSULATED TO A VALUE OF R-6.
8. FLEXIBLE ROUND DUCT SHALL BE FLEXMASTER TYPE 8M U/L 181, CLASS I AIR DUCT WITH REINFORCED METALIZED PROTECTIVE VAPOR BARRIER.
9. ALL DUCT AND HVAC INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS SET FORTH IN NFPA 90A, CURRENT EDITION. DUCT COVERINGS, DUCT LININGS, TAPES, AND CORE MATERIAL SHALL HAVE A FLAME SPREAD RATING NOT OVER 25, AND SMOKE DEVELOPMENT NOT OVER 50.
10. ALL SUPPLY DUCTS SHALL HAVE IN-LINE BALANCING DAMPERS AS DESCRIBED IN THE PROJECT SPECIFICATIONS. CONTRACTOR SHALL BALANCE EACH DUCTED SYSTEM AND PROVIDE A BALANCING REPORT INDICATING THE PROPER CFM OUTPUT AT EACH DIFFUSER.



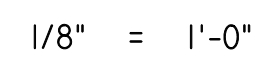


THE ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPLETE EMERGENCY LIGHTING SYSTEM AS INDICATED ON THESE DRAWINGS, COMPLETE IN ALL RESPECTS AND IN STRICT ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL AGENCIES OF JURISDICTION.

-  **DUAL LED REMOTE HEAD AT EXTERIOR DOORS**
-  **ILLUMINATED EXIT SIGN**



NOTE: SCHEDULED WIRE SIZE IN PANEL SCHEDULES IS MINIMUM. E.C. SHALL VERIFY LENGTH OF RUN FOR ALL CIRCUITS AND PROVIDE WIRE SIZE AS REQUIRED TO MAINTAIN 1% MAX. VOLTAGE DROP FOR LIGHTING AND 2% MAX. FOR OTHER LOADS.



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DAVID M. MOLINO  
REGISTERED ARCHITECT

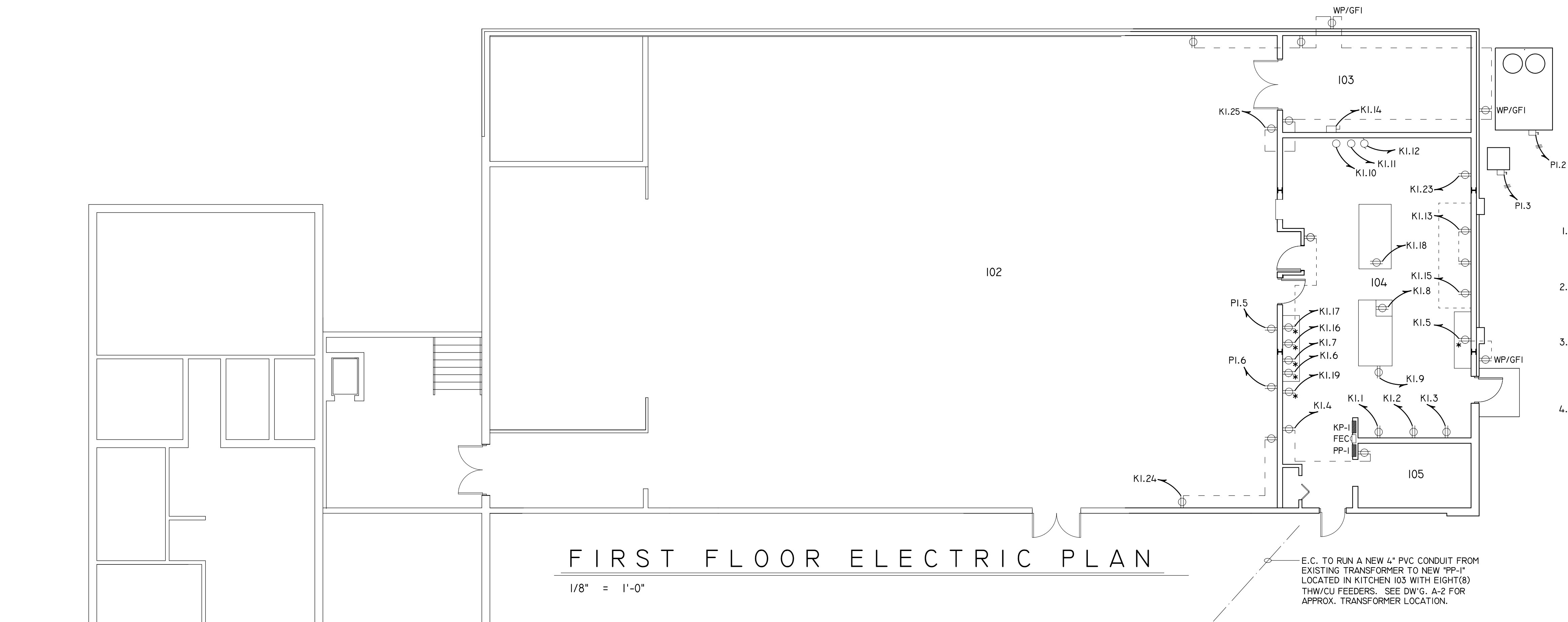
## FIRST FLOOR LIGHTING PLAN

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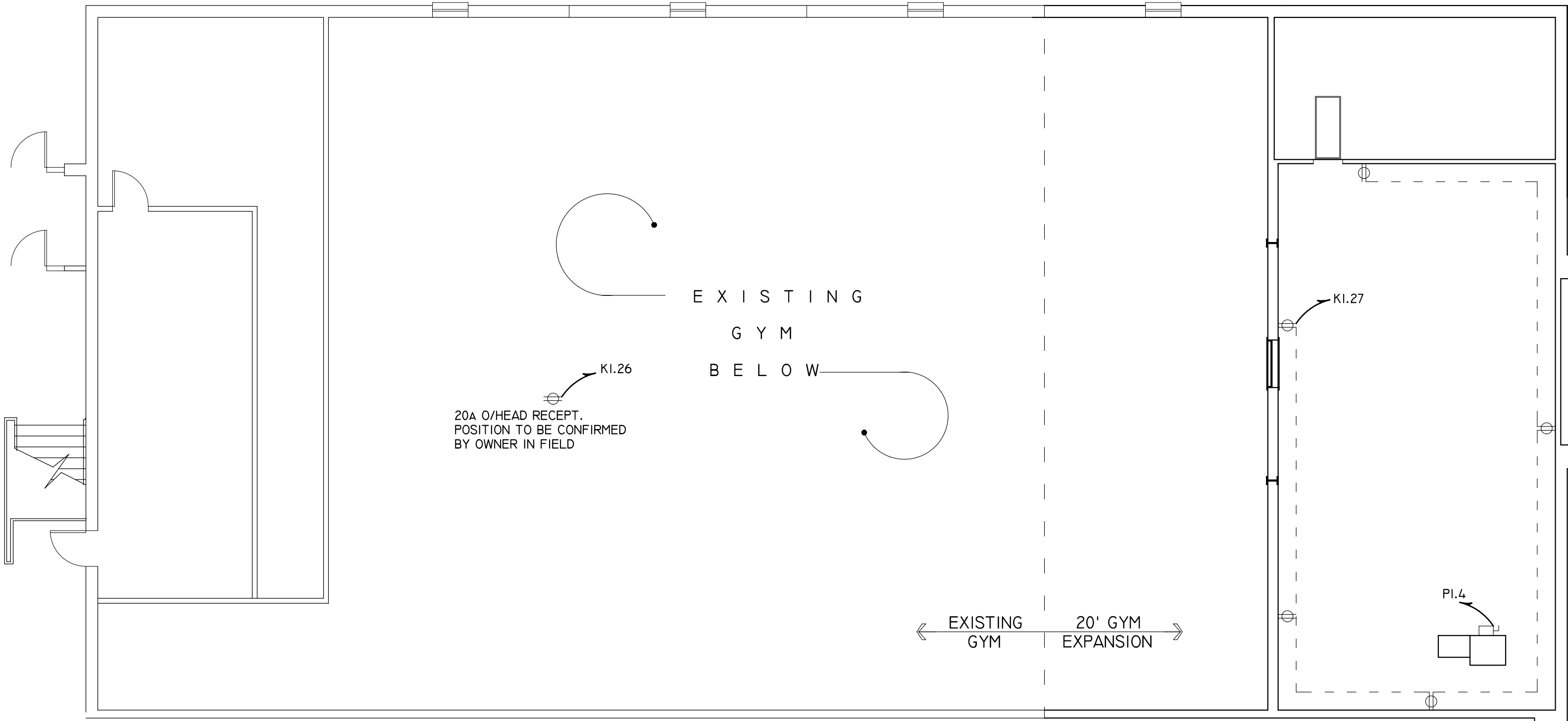
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KITCHEN ELECTRICAL NOTES

1. C.T. KI.8 & KI.9 DUPLEX RECEPTACLES TO BE FED FROM UNDER SLAB AND ROUTED INSIDE ISLAND CABINTRY. MOUNT RECEPTACLES ON VERTICAL FACE OF BASE CABINET CENTERED 30\"/>
2. C.T. KI.21 TO POWER S/S PEDESAL RECEPTACLE MOUNTED ON TOP OF S/S TABLE. POWER FEED TO BE RUN UP FROM UNDER SLAB AND THROUGH METAL CONDUIT TO TABLE TOP RECEPTACLE.
3. CONTRACTOR SHALL MAKE ALL DIRECT CONNECTIONS TO OWNER SUPPLIED KITCHEN EQUIPMENT PROVIDING THE EQUIPMENT IS IN PLACE PRIOR TO THE COMPLETION OF THE CONSTRUCTION PROCESS.
4. PROVIDE STAINLESS STEEL DEVICE COVERS AT ALL LOCATIONS IN KITCHEN 104 AND PANTRY 105.

E.C. TO RUN A NEW 4\"/>



ELECTRICAL NOTES:

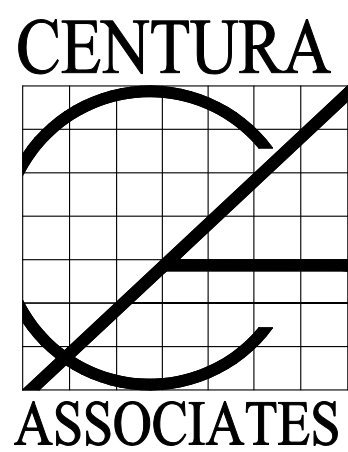
1. ALL TROFFERS AND PENDANT TYPE LIGHT FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE ROOF STRUCTURES OR FLOOR SYSTEM ABOVE AND NOT SUPPORTED BY CEILINGS OR CEILING GRID SYSTEMS.
2. DUE TO THE POSSIBILITY OF CHANGES IN THE MANUFACTURER'S SPECIFICATIONS FOR HVAC EQUIPMENT OR THE SUBSTITUTION OF MANUFACTURER FOR THIS EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGE/PHASE, WIRE, CONDUIT, AND BREAKERS OR FUSES REQUIRED BY THE EQUIPMENT WITH THE HVAC CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF SAME. THE SCHEDULE SHALL BE USED FOR BIDDING PURPOSES AND WHERE REVISIONS ARE NECESSARY, CHANGES WILL BE MADE BY CHANGE ORDER.
3. THE ELECTRICAL CONTRACTOR SHALL REFER TO THE HVAC AND PLUMBING DRAWINGS FOR EQUIPMENT FURNISHED BY OTHER TRADES REQUIRING FINAL CONNECTIONS BY THE ELECTRICAL CONTRACTOR.
4. POWER WIRING UNDER GROUND, CONCRETE, OR PAVING SHALL BE IN PVC CONDUIT.
5. RECEPTACLES DENOTED WITH AN ASTERISK (\*) SHALL BE LOCATED 48\"/>
6. FIRE ALARM, SECURITY, PHONE, & DATA SHALL BE UNDER SEPARATE CONTRACT BY OWNER. ANY ADDITIONAL WORK REQUIRED TO ACCOMMODATE THESE TRADES SHALL BE CONSIDERED AS EXTRA AND WILL BE ADDED TO THE CONTRACT VIA CHANGE ORDER.

ELECTRIC HEATER SCHEDULE

MK'D	MANUFACTURER	CAT. NO.	VOLT/PH	KW	AMPS	REMARKS
H-1	QMARK	AWH4404F	240/1	4.0	16.7	TRANS. RELAY & WALL T-STAT.
H-2	QMARK	CP752F	240/1	0.75	3.1	LINE VOLTAGE WALL T-STAT

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PROPOSED ADDITION  
**OTTERBEIN UNITED  
BRETHREN CHURCH**  
146 LEITERSBURG STREET  
GREENCASTLE, PA 17225

FIRST FLOOR ELECTRIC PLAN

PROJECT 1802-335

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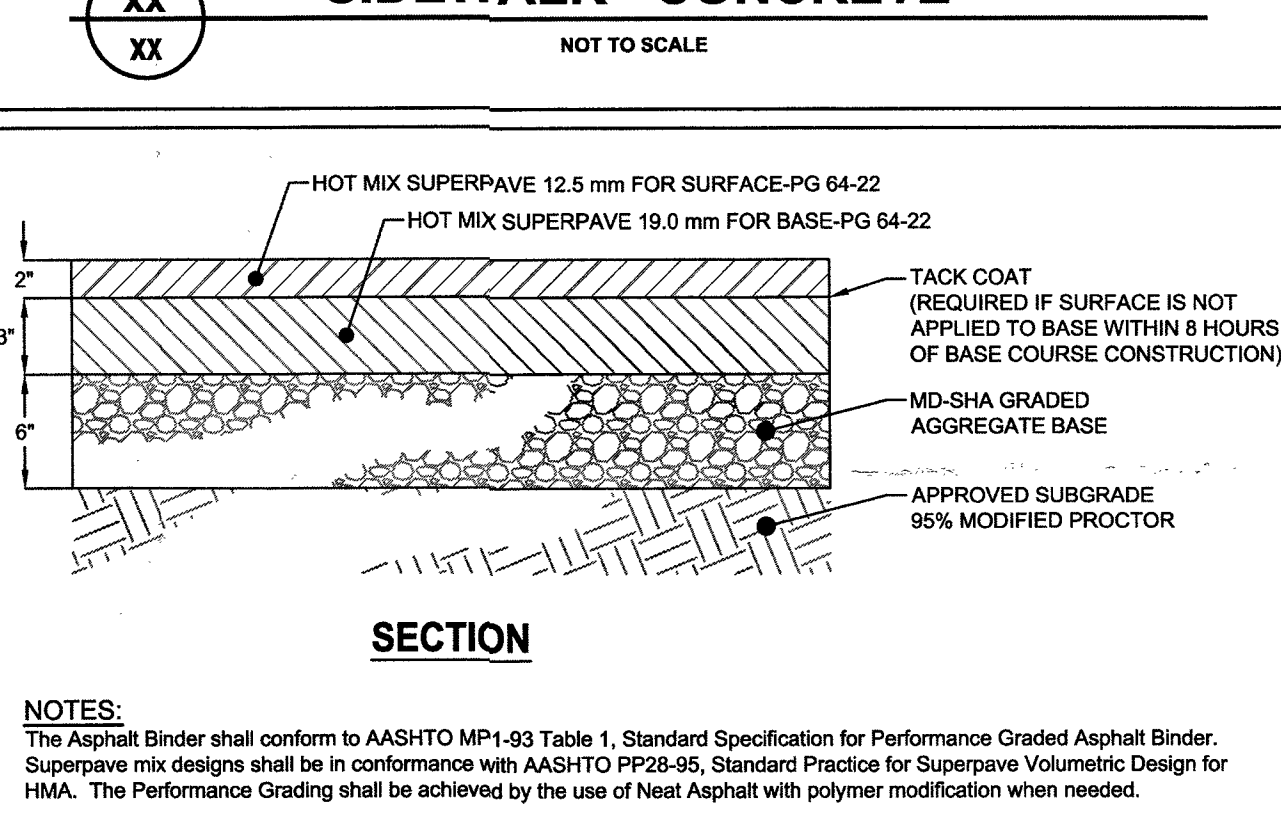
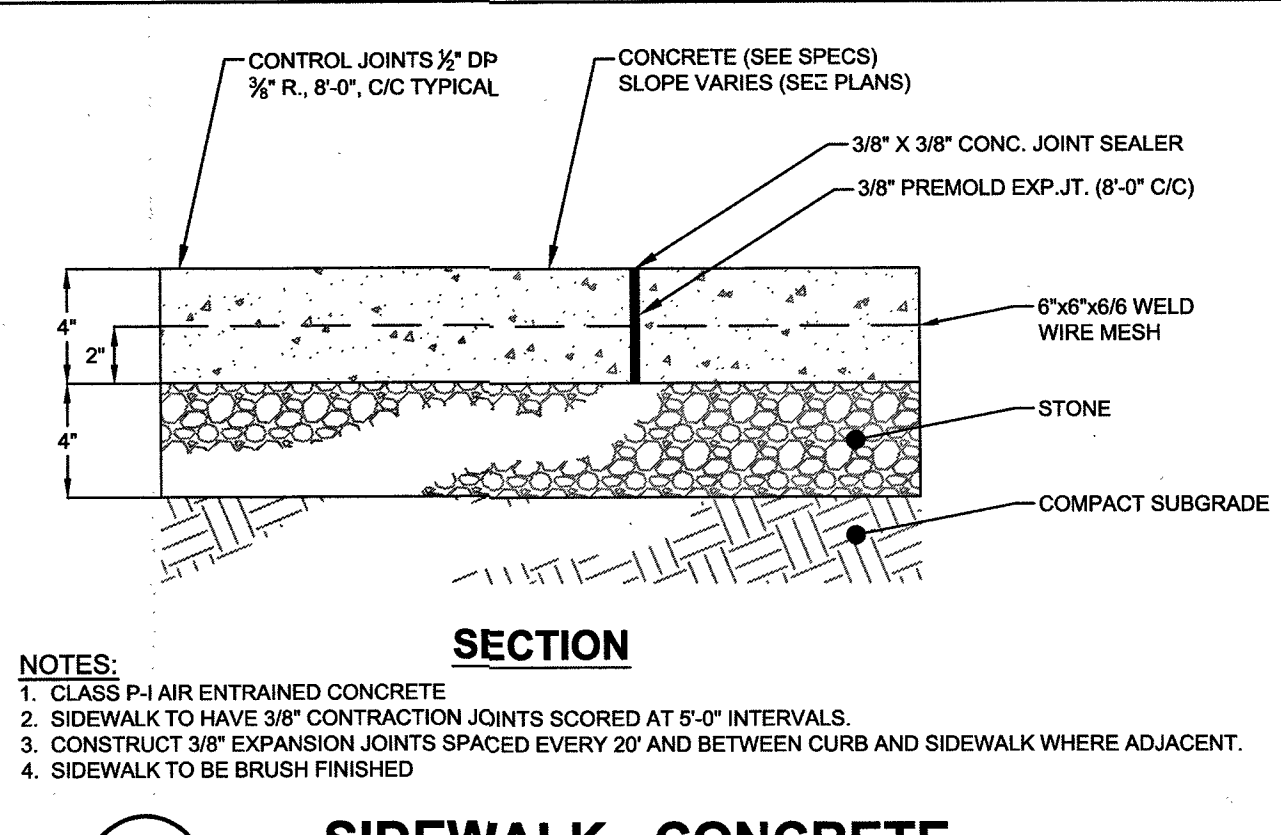
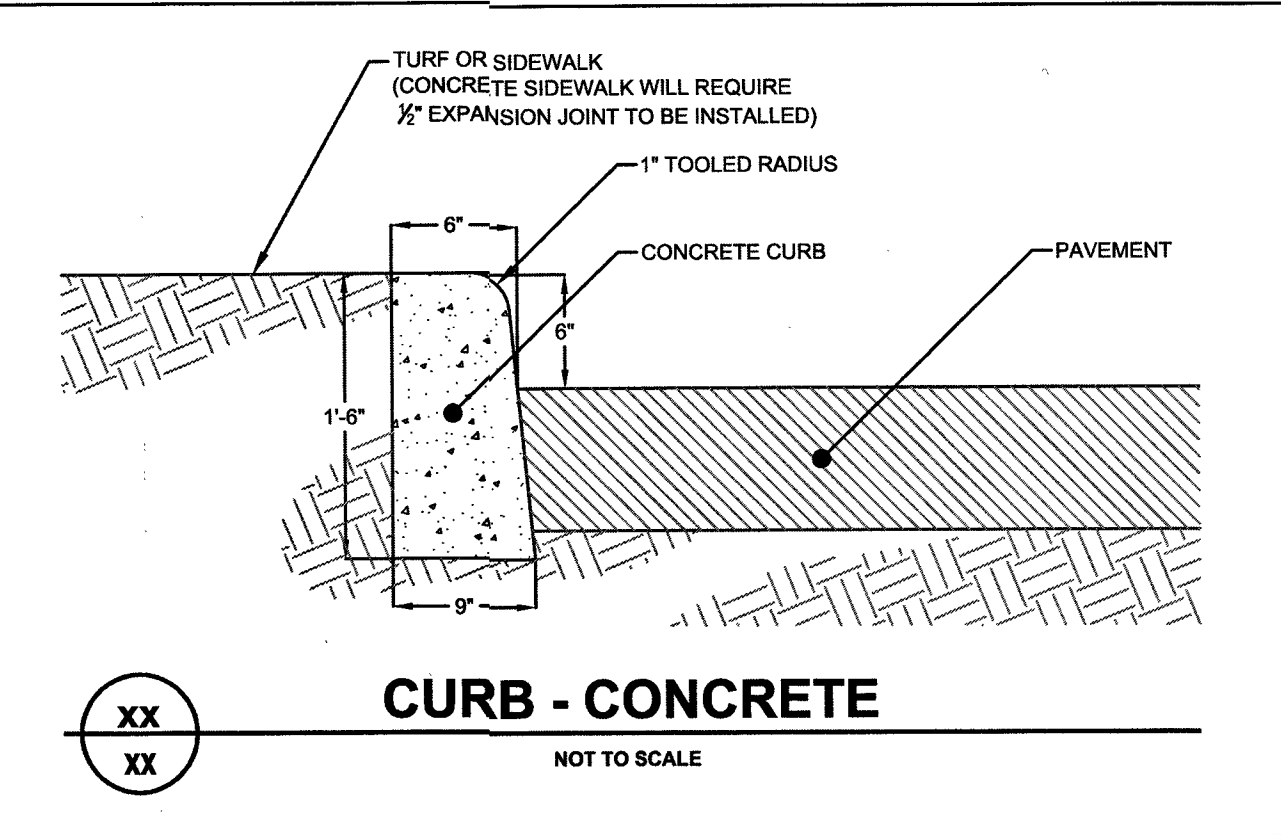
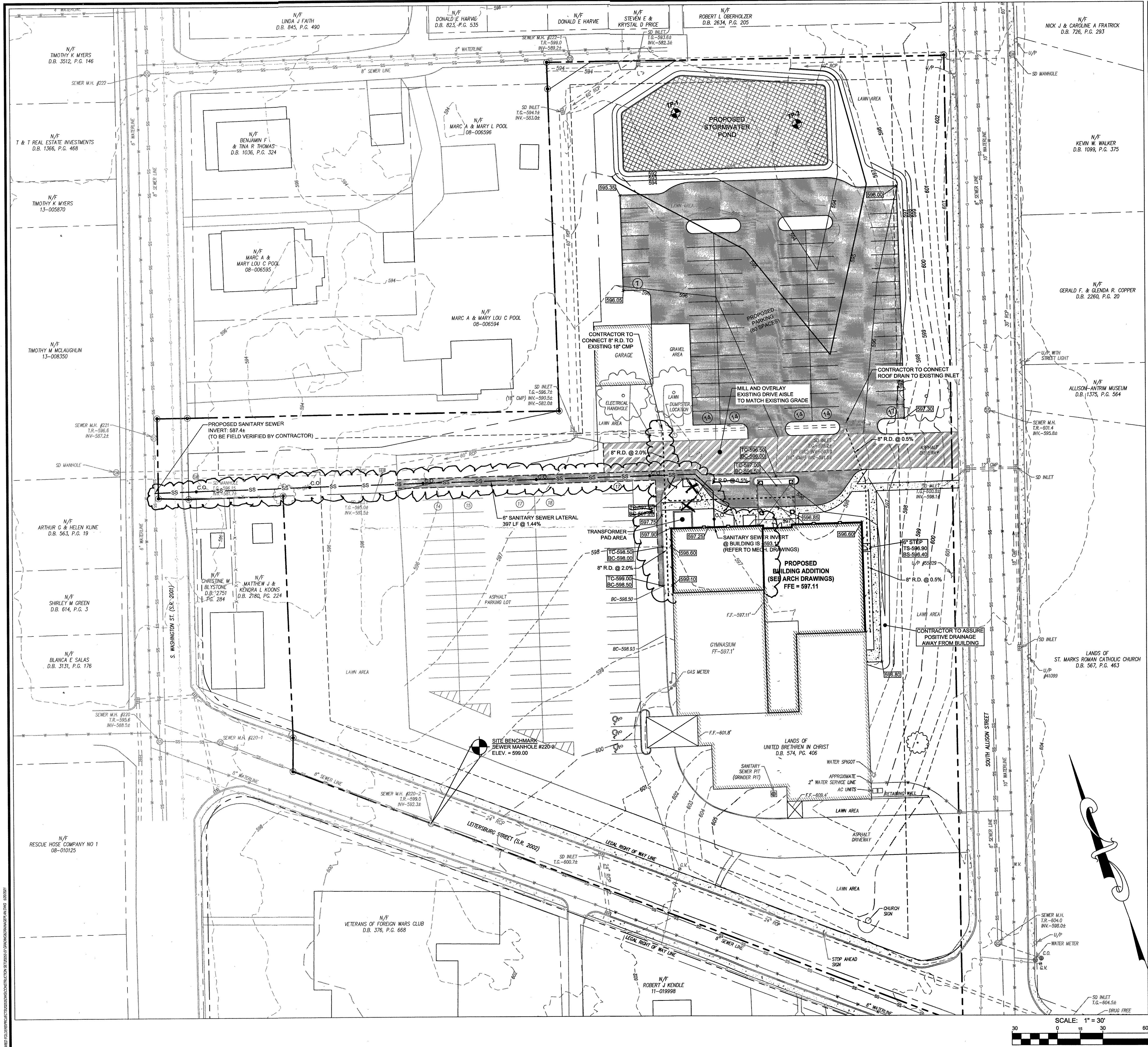
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E-2









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Expiration Date 03/30/2025

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18 SOUTH POTOMAC STREET  
HAGERSTOWN, MD 21740  
(410) 391-7700

DATE: \_\_\_\_\_  
MARK DESCRIPTION: \_\_\_\_\_

**LET**

**OTTERBEIN UNITED BRETHREN CHURCH**  
SITUATED AT THE NORTHWEST CORNER OF  
LETTERSBURG STREET & ALISON STREET INTERSECTION  
BOROUGH OF GREENCASTLE  
FRANKLIN COUNTY, PENNSYLVANIA  
ADDRESS: \_\_\_\_\_  
CITY/TOWN: \_\_\_\_\_  
STATE: \_\_\_\_\_  
ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_

PROJECT NO. 20205  
OWN BY JAN DATE 05-04-2021  
PROJECT MANAGER P. Manager EMAIL  
PROPERTY INFORMATION XXX  
SCALE 1" = 30'  
SHEET TITLE

**GRADING & DRAINAGE PLAN**

**C-102**  
SHEET 03 OF XX

FORWARDED TO: PROJECT NO. 20205, DRAINAGE PLAN, SHEET 03 OF 03, 05/04/2021