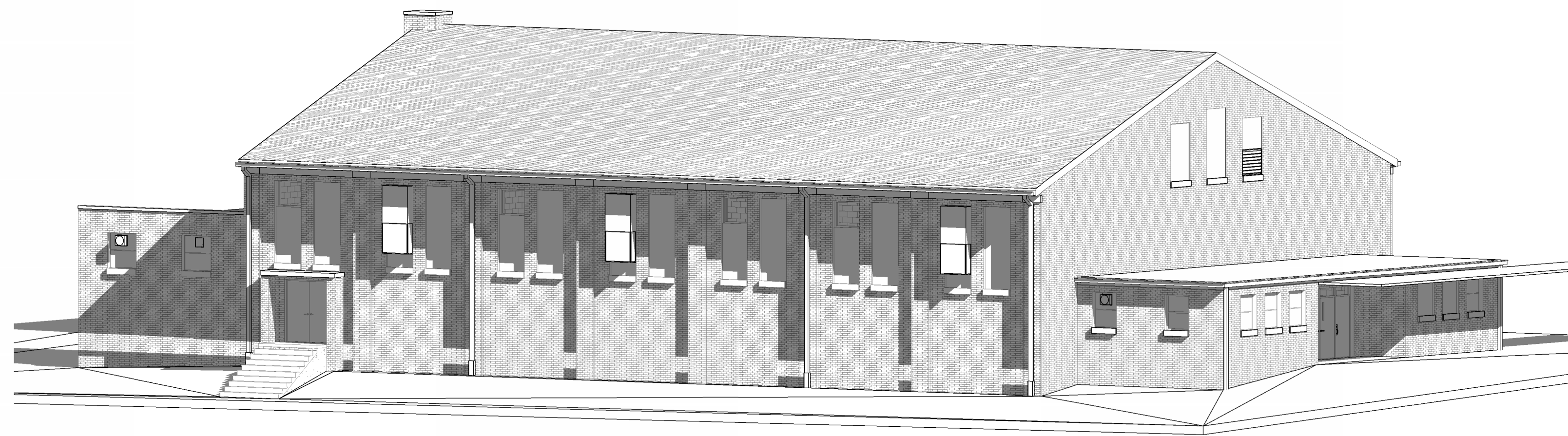


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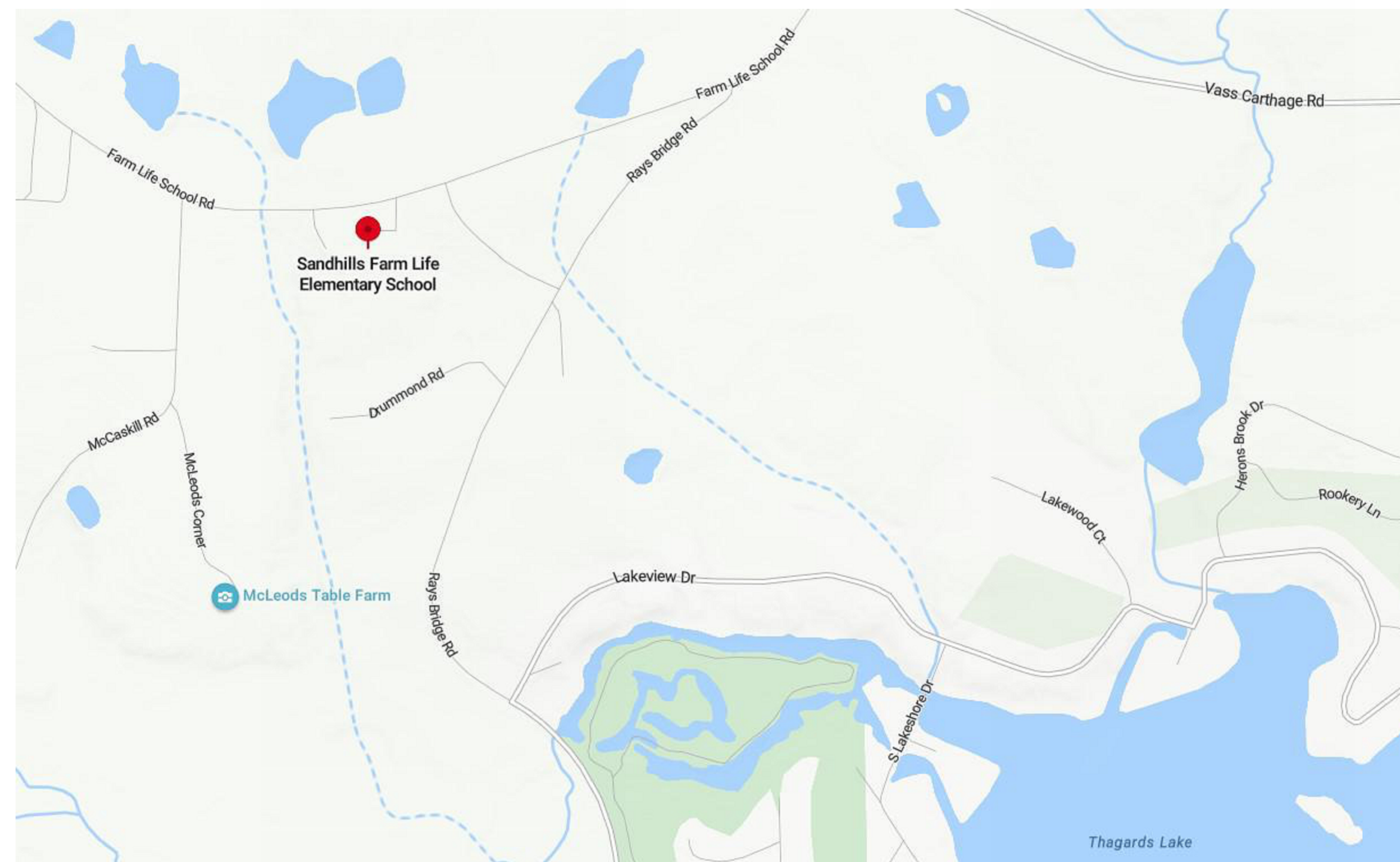
RENDERING



DRAWING INDEX

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Grand total: 20	

VICINITY MAP



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PROJECT NUMBER: 02206.100

SET NUMBER: 11/22/23

BID SET

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CONSULTANTS

**PLUMBING / MECHANICAL /
ELECTRICAL ENGINEER**

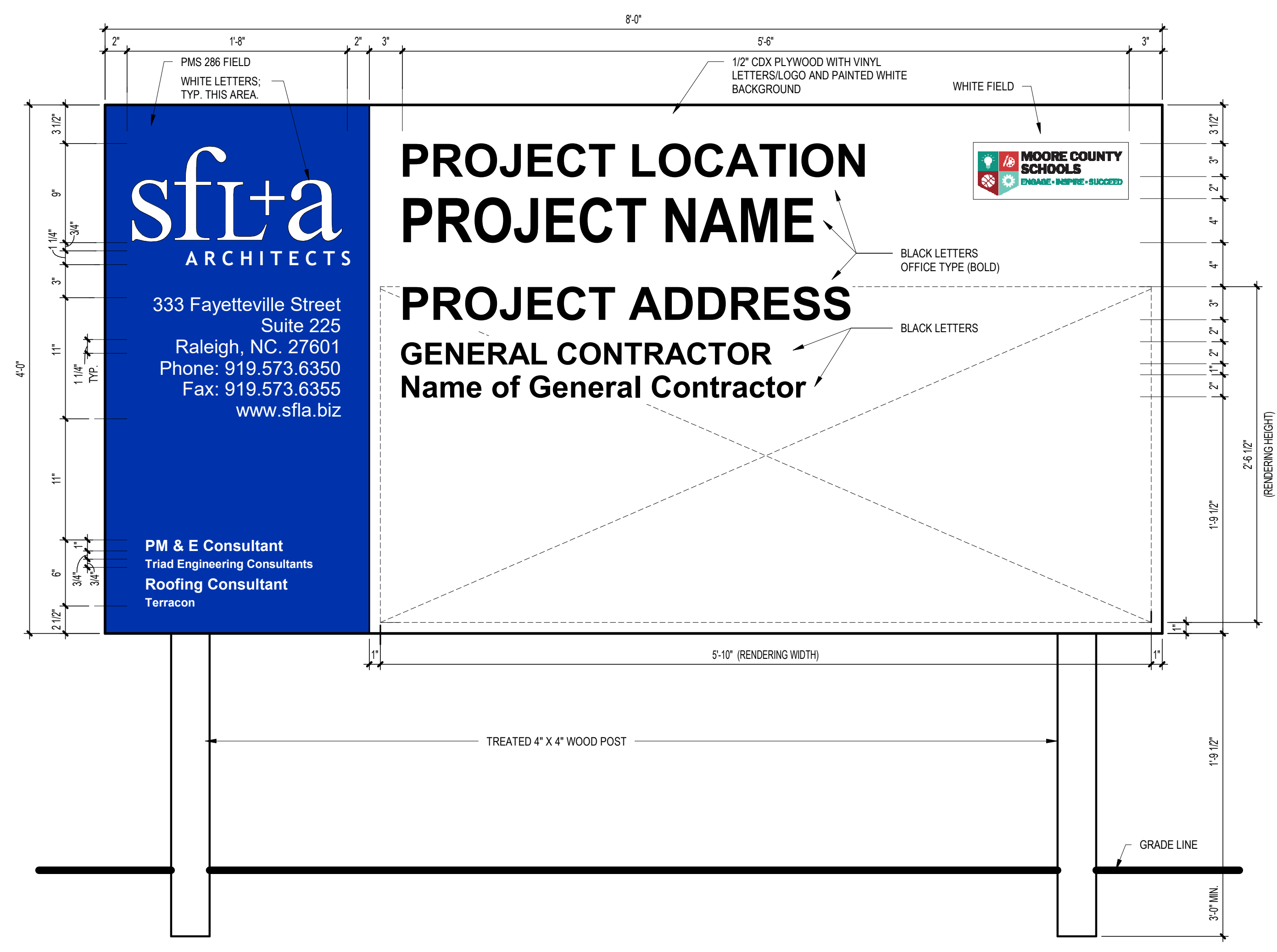
Triad Engineering Consultants, Inc.
2638 Willard Dairy Road, Suite 100
High Point, NC 27265
P. (336) 338-8943

ROOFING ENGINEER

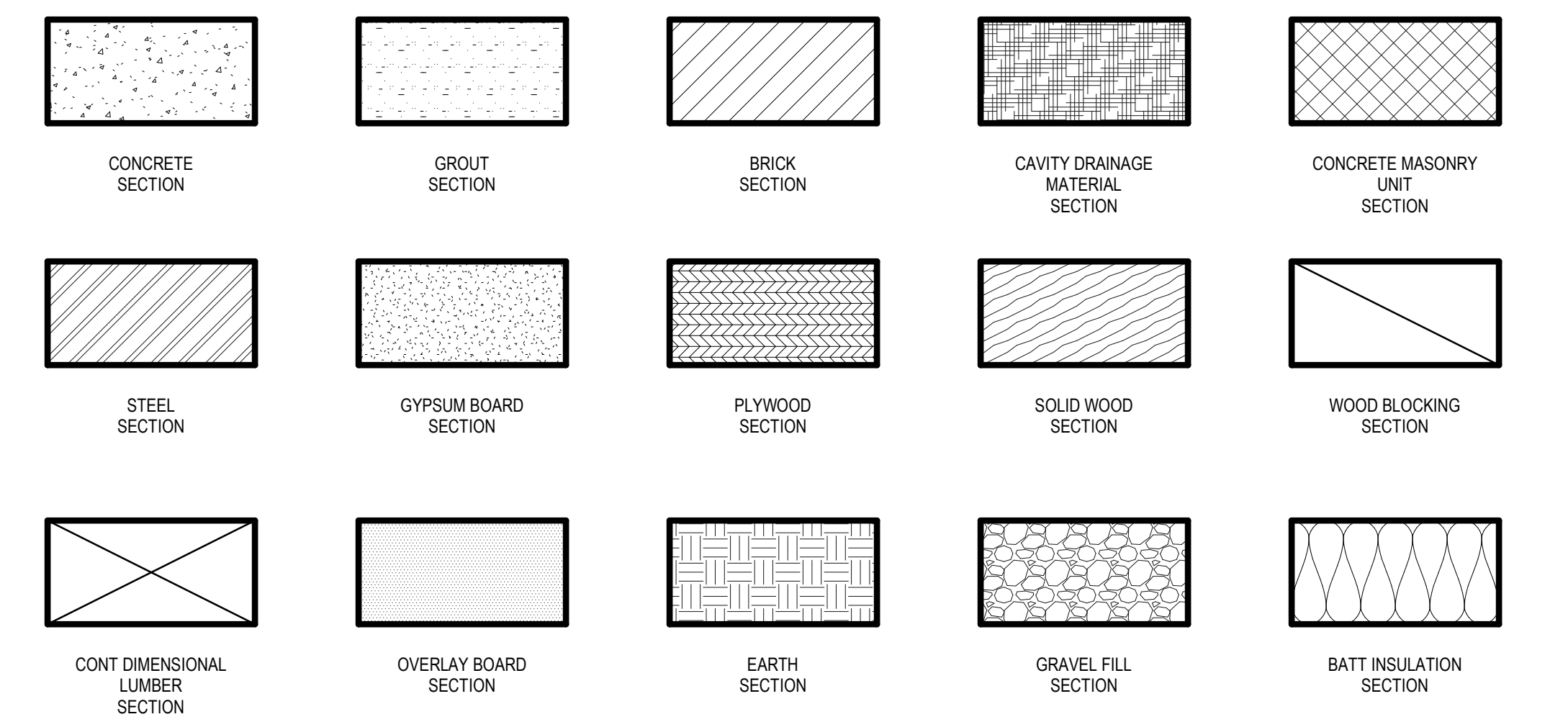
Terracon Consultants, Inc.
2701 Westport Road
Charlotte, NC 28208
P. (704) 594-8931

ABBREVIATIONS

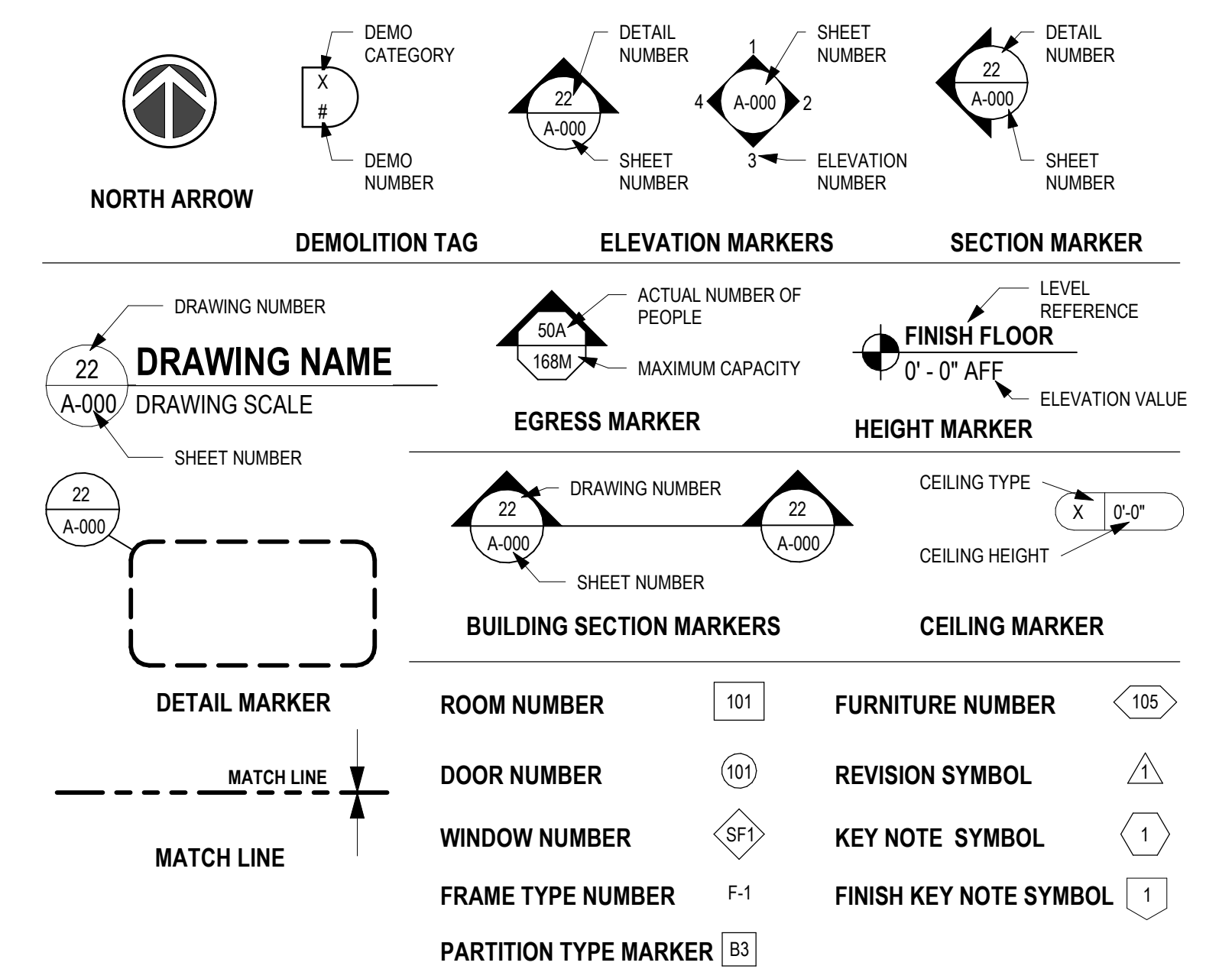
A/C	AIR CONDITIONING	E	EAST	L	LENGTH	S	SOUTH
AB	ANCHOR BOLT	EA	EACH	LAB	LABORATORY	SAP	SUSPENDED ACOUSTICAL PANELS
AD	AREA DRAIN	EC	ELECTRICAL CONTRACTOR	LAD	LADDER	SB	SPLASH BLOCK
ADJ	ADJUSTABLE	EJ	EXPANSION JOINT	LAV	LAVATORY	SC	SOLID CORE
AFF	ABOVE FINISHED FLOOR	ELEC	ELECTRIC	LB	LAG BOLT	SCH	SCHEDULE
ALT	ALTERNATE	ELEV	ELEVATION	LBL	LABEL	SD	STORM DRAIN
ALM	ALUMINUM	EMER	EMERGENCY	LBS	POUND (S)	SEC	SECTION
AMP	AMPERE	ENCL	ENCLOSE (URE)	LH	LEFT HAND	SF	STOREFRONT
APPROX	APPROXIMATE	ENG	ENGINEER (ING)	LT	LIGHT	SIM	SIMILAR
ARCH	ARCHITECT (URAL)	EOG	EMERGENCY OVERFLOW DRAIN	LW	LIGHTWEIGHT	SND	SANITARY NAPKIN DISPOSAL
AUTO	AUTOMATIC	EP	ELECTRIC PANEL	LWC	LIGHTWEIGHT CONCRETE	SNV	SANITARY NAPKIN VENDOR
BB	BULLETIN BOARD	EQ	EQUAL	LVL	LAMINATED VENEER LUMBER	SP	SOUNDPROOF
BBRG	BEAM BEARING	EOP	EQUIPMENT	MAS	MASONRY	SPKR	SPEAKER
BD	BOARD	EST	ESTIMATE	MAT	MATERIAL (S)	SQ	SQUARE
BFF	BELOW FINISHED FLOOR	EWV	ELECTRIC WATER COOLER	MAX	MAXIMUM	SS	STAINLESS STEEL
BIT	BITUMINOUS	EXH	EXHAUST	MB	MARKER BOARD	STC	SOUND TRANSMISSION CLASS
BLDG	BUILDING	EXST	EXISTING	MC	MECHANICAL CONTRACTOR	STD	STANDARD
BLK	BLOCK (ING)	EXP	EXPANSION	MECH	MECHANICAL	STR	STRUCTURAL
BM	BENCHMARK	EXT	EXTERIOR	MED	MEDIUM	SUS	SUSPENDED
BOD	BOTTOM OF DECK	FA	FIRE ALARM	MFR	MANUFACTURE (R)	SYM	SYMMETRICAL
BTM	BOTTOM BEARING PLATE	FB	FACE BRICK	MIN	MINIMUM	SYS	SYSTEM
BPL	BEARING PLATE	FD	FLOOR DRAIN	MIR	MIRROR	T	TREAD
BRG	BEARING	FDN	FOUNDATION	MISC	MISCELLANEOUS	T&G	TONGUE AND GROOVE
BSMT	BASEMENT	FE	FIRE EXTINGUISHER	MH	MANHOLE	T&B	TACK BOARD
BTW	BETWEEN	FEC	FIRE EXTINGUISHER CABINET	MEMB	MEMBRANE	TEL	TELEPHONE
BUR	BUILT-UP ROOFING	FFE	FINISH FLOOR ELEVATION	MO	MASONRY OPENING	TG	TEMPERED GLASS
BW	BOTH WAYS	FHC	FIRE HOSE CABINET	MR	MOISTURE RESISTANT	THR	THRESHOLD
CB	CATCH BASIN	FIN	FINISH (ED)	MULL	MULLION	TP	TOILET PARTITION
CAB	CABINET	FLR	FLOOR (ING)	MTL	METAL	TOB	TOP OF BEAM
CEM	CEMENT	FLUOR	FLUORESCENT	N	NORTH	TOF	TOP OF FOOTING
CER	CERAMIC	FLEX	FLEXIBLE	NA	NOT APPLICABLE	TOM	TOP OF MASONRY
CF	CUBIC FOOT	FOB	FACE OF BRICK	NOT IN CONTRACT		TOS	TOP OF STEEL
CI	CAST IRON	FOGB	FACE OF GYPSUM BOARD	NCM	NOMINAL	TOW	TOP OF WALL
CIP	CAST-IN-PLACE	FR	FIREPROOF	NRC	NOISE REDUCTION COEFFICIENT	TS	TACK STRIP
CJ	CONTROL JOINT	FRM	FRAMING	NTS	NOT TO SCALE	TTD	TOILET TISSUE DISPENSER
CL	CENTERLINE	FRMG	FIRE-RETARDANT	OA	OVERALL	TYP	TYPICAL
CLS	CEILING	FRIT	FOOT / FEET	OC	ON CENTER	UL	UNDERWRITERS LABORATORY
CLOS	CLOSET	FTG	FOOTING	OD	OUTSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
CLR	CLEAR (ANCE)	FUR	FURRED (ING)	OH	OVERHEAD	UR	URNAL
CMP	COMPOSITE METAL PANEL	G	GAGE	OPG	OPENING	US	UTILITY SHELF
CMT	CERAMIC MOSAIC (TILE)	GALV	GALVANIZED	OPP	OPPOSITE	V	VOLT
CMT	CERAMIC MOSAIC (TILE)	GB	GRAB BAR	OPPH	OPPOSITE HAND	VCT	VINYL COMPOSITION TILE
CNU	CONCRETE MASONRY UNIT	GBL	GLASS BLOCK	OS	OVERFLOW SCUPPER	VERT	VERTICAL
COL	COLUMN	GC	GENERAL CONTRACT (OR)	PAR	PARALLEL	VEN	VENEER
CONC	CONCRETE	GCMU	GLAZED CONC. MASONRY UNIT	PBD	PARTICLE BOARD	VEN	VERIFY IN FIELD
CONSTR	CONSTRUCTION	GF	GROUND FACE	PC	PLUMBING CONTRACTOR	VR	VAPOR RETARDER
CONTR	CONTRACT (ED)	GFR	GLASS FIBER RE. CONC.	PCF	POUNDS PER CUBIC FOOT	VTR	VENT THROUGH ROOF
CORR	CORRIDOR	GL	GLASS	PCT	PORCELAIN CERAMIC TILE	WVC	VINYL WALL COVERING
CPT	CARPET (ED)	GP	GALVANIZED PIPE	PERF	PERFORATED	W	WEST
CSMT	CASEMENT	GYP	GYPSUM	PERM	PERMEATER	WB	WOOD BASE
CT	CERAMIC TILE	GWB	GYPSUM WALL BOARD	PG	PLATE GLASS	WC	WATER CLOSET
CTR	CENTER	HD	HOSE BIBB	PLAM	PLASTIC LAMINATE	WD	WOOD
CY	CUBIC YARD	HCL	HOLLOW CORE	PLAS	PLASTER	WG	WIRE GLASS
DEMO	DEMOLISH, DEMOLITION	HD	HEAVY DUTY	PLF	POUNDS PER LINEAL FOOT	WH	WALL HUNG
DET	DETAIL	HOR	HEADER	PT	PRESSURE TREATED	WRO	WROUGHT IRON
DF	DRINKING FOUNTAIN	HW	HARDWARE	PRV	POWER ROOF VENT	WM	WIRE MESH
DH	DOUBLE HUNG	HM	HOLLOW METAL	PSF	POUNDS PER SQUARE FOOT	WIO	WITHOUT
DIAM	DIAMETER	HOR	HORIZONTAL JOINT REINFORCEMENT	PSI	POUNDS PER SQUARE INCH	WP	WATERPROOFING
DM	DIMENSION	HRT	HORIZONTAL JOINT REINFORCEMENT	PWD	PLYWOOD	WT	WEIGHT
DISP	DISPENSER	HT	HEIGHT	PTN	PARTITION	WWF	WELDED WIRE FABRIC
DIV	DIVISION	HTG	HEATING	PVC	POLYVINYL CHLORIDE		
DL	DEAD LOAD	HND	HARDWOOD	QT	QUARRY TILE		
DM	DECORATIVE MASONRY	HWH	HOT WATER HEATER	R	RISER		
DPR	DAMPER	HVAC	HEATING / VENTILATING / A/C	RA	RETURN AIR		
DR	DOOR	ID	INSIDE DIAMETER	RAD	RADIUS		
DS	DOWNSPOUT	IN	INCH	INCL	INCLUDE (D), (ING)		
DT	DRAIN TILE	INT	INTERIOR	INT	INTERIOR		
DWG	DRAWING	INW	INTERACTIVE WHITE BOARD	INVT	INTERACTIVE WHITE BOARD		
		JAN	JANITOR	JAN	JANITOR		
		JC	JANITOR'S CLOSET	JC	JANITOR'S CLOSET		
		JT	JOINT	JT	JOINT		
		JST	JOIST	JST	JOIST		
		KD	KNOCK DOWN	KD	KNOCK DOWN		
		KIT	KITCHEN	KIT	KITCHEN		
		KPL	KICK PLATE	KPL	KICK PLATE		



SYMBOLS LEGEND



KEY SYMBOLS LEGEND



GENERAL NOTES

- WALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD, FACE OF STEEL OR CENTERLINE & STEEL COLUMN, UNLESS OTHERWISE NOTED. DETERMINE LOCATION OF WALLS NOT DIMENSIONED BY THEIR RELATION TO ADJACENT DIMENSIONED WALLS AND COLUMNS.
- ALL EXTERIOR SIDEWALKS SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FOOT.
- MAINTAIN INTEGRITY OF ACOUSTIC WALLS AND CEILING AT ALL WALL PENETRATIONS AND EQUIPMENT RECESSES.
- ALL CERAMIC TILE TO HAVE CONTROL JOINTS THAT ALIGN WITH CONTROL JOINTS IN CONCRETE SLAB.
- THERE SHALL BE NO PENETRATIONS IN THROUGH WALL FLASHING.
- DOOR JAMB FROM INTERSECTING WALLS, STUD - 4" TYPICAL UNLESS OTHERWISE NOTED.
- CONTRACT SHALL AVOID THE USE OF DISSIMILAR METALS IN CONTACT WITH ONE ANOTHER AS MUCH AS POSSIBLE AND SHALL PROVIDE FELTS, BOND BREAKERS, TAPE, OR OTHER APPLICABLE MATERIAL SEPARATION WHERE SUCH CONTACT IS UNAVOIDABLE.

MOORE COUNTY SCHOOLS
SANDHILLS GYMNASIUM RENO.
2201 FARM LIFE SCHOOL RD., CARTHAGE NC 28327

No.	Date	Description

ISSUE DATE: 11/22/23
PROJECT #: 02206,100
DRAWN BY: JK
CHECKED BY: MK
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2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS (EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

Name of Project: Sandhills Farm Life Elementary Gymnasium Improvement
Address: 2200 Farm Life School Rd, Carthage NC
Owner/Authorized Agent: Jennifer Purvis

CONTACT: ARCHITECT: sfi+a ARCHITECTS
ELECTRICAL: TRIAD ENGINEERING
MECHANICAL: TRIAD ENGINEERING
PLUMBING: TRIAD ENGINEERING

2018 NC BUILDING CODE: Renovation
2018 NC EXISTING BUILDING CODE: Alteration Level II

BASIC BUILDING DATA
Construction Type: III-B
Sprinklers: No
Staircases: No

Table with 4 columns: FLOOR, EXISTING (SQ FT), NEW (SQ FT), SUB-TOTAL. Rows for 2nd Floor, 3rd Floor, Mezzanine, 1st Floor, and TOTAL.

*NO CHANGE IN BUILDING SQUARE FOOTAGE, RENOVATION WORK CONTAINED TO EXIST BLDG FOOTPRINT.

2018 NC Administrative Code and Policies Revised 6/15/2020

ALLOWABLE AREA
Primary Occupancy Classification(s): Educational
Accessory Occupancy Classification(s):
Incidental Uses (Table 509):

Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (P)
b. Total Building Perimeter = (FP)

Table with 4 columns: STORY NO., DESCRIPTION AND USE, (A), (B), (C), (D). Rows for 1, 2, 3, 4.

ALLOWABLE HEIGHT
Building Height in Feet (Table 504.3.1)
Building Height in Stories (Table 504.4)

2018 NC Administrative Code and Policies Revised 6/15/2020

Table with 8 columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), HEIGHT (FEET), RATING, DETAIL #, DESIGN #, SHEET # FOR FIRE RATED PENETRATION, SHEET # FOR FIRE RATED ROOFING.

*Indicate section number permitting reduction

2018 NC Administrative Code and Policies Revised 6/15/2020

Table with 4 columns: FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES, DEGREE OF OPENING PROTECTION (TABLE 705.5), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%).

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: Yes
Smoke Detection System: Yes

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: This sheet
Fire and/or smoke rated wall locations (Chapter 7)
Assumed and real property line locations (if not on the site plan)

2018 NC Administrative Code and Policies Revised 6/15/2020

Table with 8 columns: UNIT CLASSIFICATION, TOTAL UNITS, ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS REQUIRED, TYPE A UNITS PROVIDED, TYPE B UNITS REQUIRED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED.

Table with 4 columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES REQUIRED, # OF ACCESSIBLE SPACES PROVIDED, TOTAL # OF ACCESSIBLE SPACES PROVIDED.

Table with 4 columns: USE, WATERLINES, DRAINAGE, SEWERAGE, REMAINING FOOTPRINT, ACCESSIBLE.

SPECIAL APPROVALS
DPI Review

2018 NC Administrative Code and Policies Revised 6/15/2020

ENERGY REQUIREMENTS: ENERGY SUMMARY
The following data shall be considered minimum, and any special attribute required to meet the energy code shall also be provided.

2018 NC Administrative Code and Policies Revised 6/15/2020

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN

DESIGN LOADS: Importance Factors: Snow (Is) Select one, Seismic (Is) Select one
Live Loads: Roof, Mezzanine, Floor
Wind Load: Ultimate Wind Speed, Exposure Category

SEISMIC DESIGN CATEGORY: Select one
Provide the following Seismic Design Parameters: Risk Category (Table 1604.5), Spectral Response Acceleration, Site Classification (ASCE 7), Basic structural system, Analysis Procedure

LATERAL DESIGN CONTROL: Select one
SOIL BEARING CAPACITIES: Select one

2018 NC Administrative Code and Policies Revised 6/15/2020

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS MECHANICAL DESIGN SEE MECHANICAL DRAWINGS

MECHANICAL SUMMARY
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone: winter dry bulb, summer dry bulb
Interior design conditions: winter dry bulb, summer dry bulb, relative humidity
Building heating load:
Mechanical Spacing Conditioning System

2018 NC Administrative Code and Policies Revised 6/15/2020

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN SEE ELECTRICAL DRAWINGS

ELECTRICAL SUMMARY
ELECTRICAL SYSTEM AND EQUIPMENT

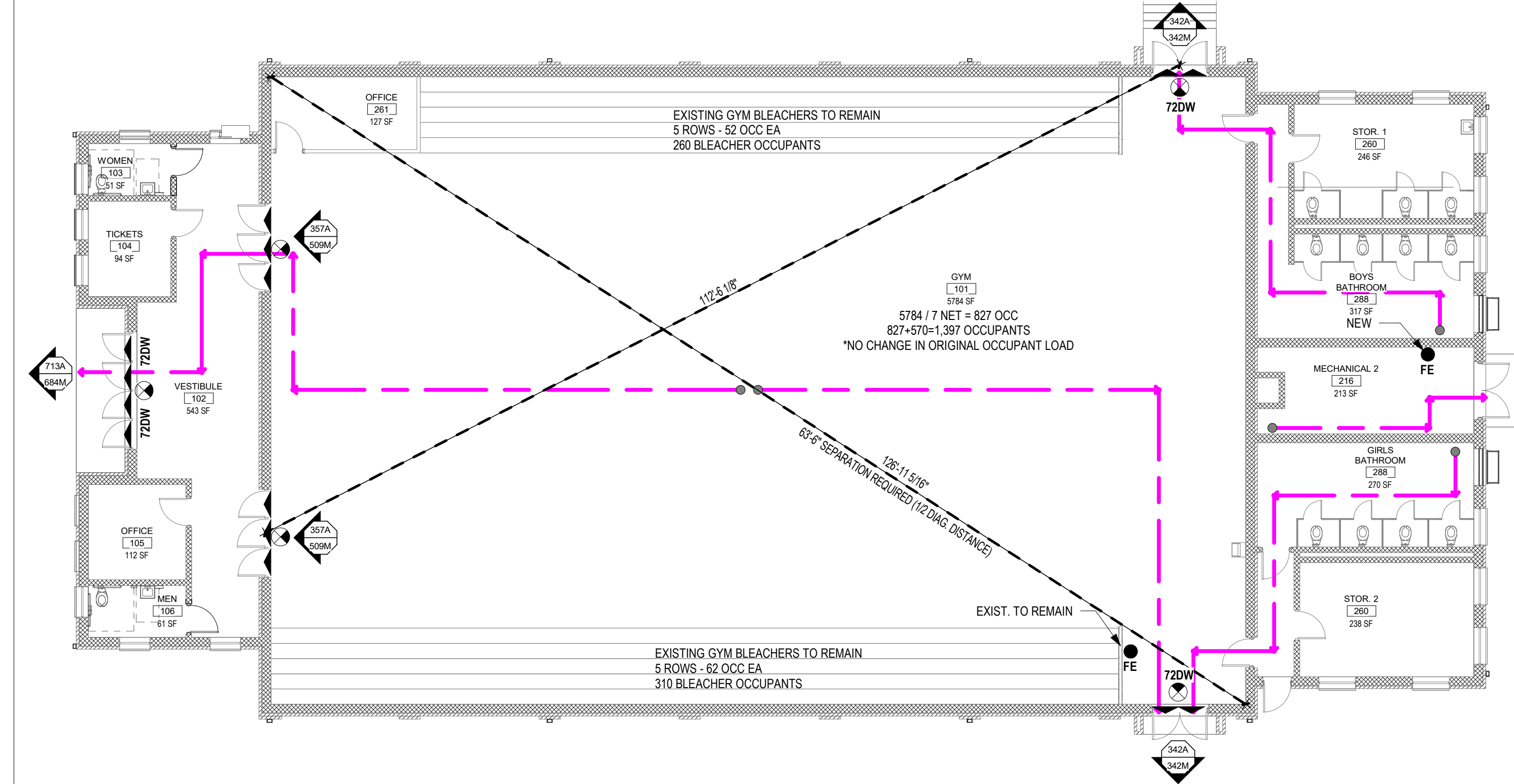
Method of Compliance: Select one
Lighting schedule (each fixture type)
Additional Efficiency Package Options (When using the 2018 NCECC; not required for ASHRAE 90.1)

2018 NC Administrative Code and Policies Revised 6/15/2020



BUILDING SEPARATION DISTANCE DIAGRAM

Table with 2 columns: ROOM, TRAVEL DISTANCE. Rows for BOYS (56' - 10"), GIRLS (57' - 2"), GYMNASIUM PATH 1 (100' - 3"), GYMNASIUM PATH 2 (79' - 5"), MECHANICAL (26' - 8").



LIFE SAFETY PLAN SCALE: 3/32" = 1'-0"

2018 NC Administrative Code and Policies Revised 6/15/2020

Logo for sfi+a ARCHITECTS, 333 Fayetteville St, Ste 225 Raleigh, NC 27601. Includes contact info and a circular seal for Jennifer Purvis, Licensed Professional Engineer, State of North Carolina, No. 16447.

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Table with 3 columns: No., Date, Description.

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BUILDING CODE SUMMARY
A-002



#1: PLAN SOUTHWEST CORNER



#2: PLAN NORTHEAST CORNER



#3: PLAN SOUTHEAST CORNER



EXIST. BUILDING LEGEND
SCALE: 1/16" = 1'-0"

SEE SHEET A-111 DEMO PLAN - AREA OF DEMOLITION
PICTURES ARE FOR INFORMATION ONLY - CONTRACTOR'S SHALL VISIT SITE AND VERIFY EXISTING CONDITIONS FOR PROPER COORDINATION OF DEMOLITION AND NEW WORK FOR THIS PROJECT.



#4: LOBBY LOOKING PLAN SOUTH



#5: OFFICE



#6: MENS BATHROOM AT LOBBY



#7: LOBBY LOOKING PLAN NORTH



#8: WOMENS BATHROOM AT LOBBY



#9: STORAGE AT LOBBY



#10: GYM LOOKING PLAN WEST



#11: GYM LOOKING PLAN EAST



#12: BOYS HALLWAY



#13: LAUNDRY



#14: LAUNDRY



#15: BOYS BATHROOM



#16: STORAGE AT GIRLS BATHROOM



#17: GIRLS BATHROOM



#18: MECHANICAL

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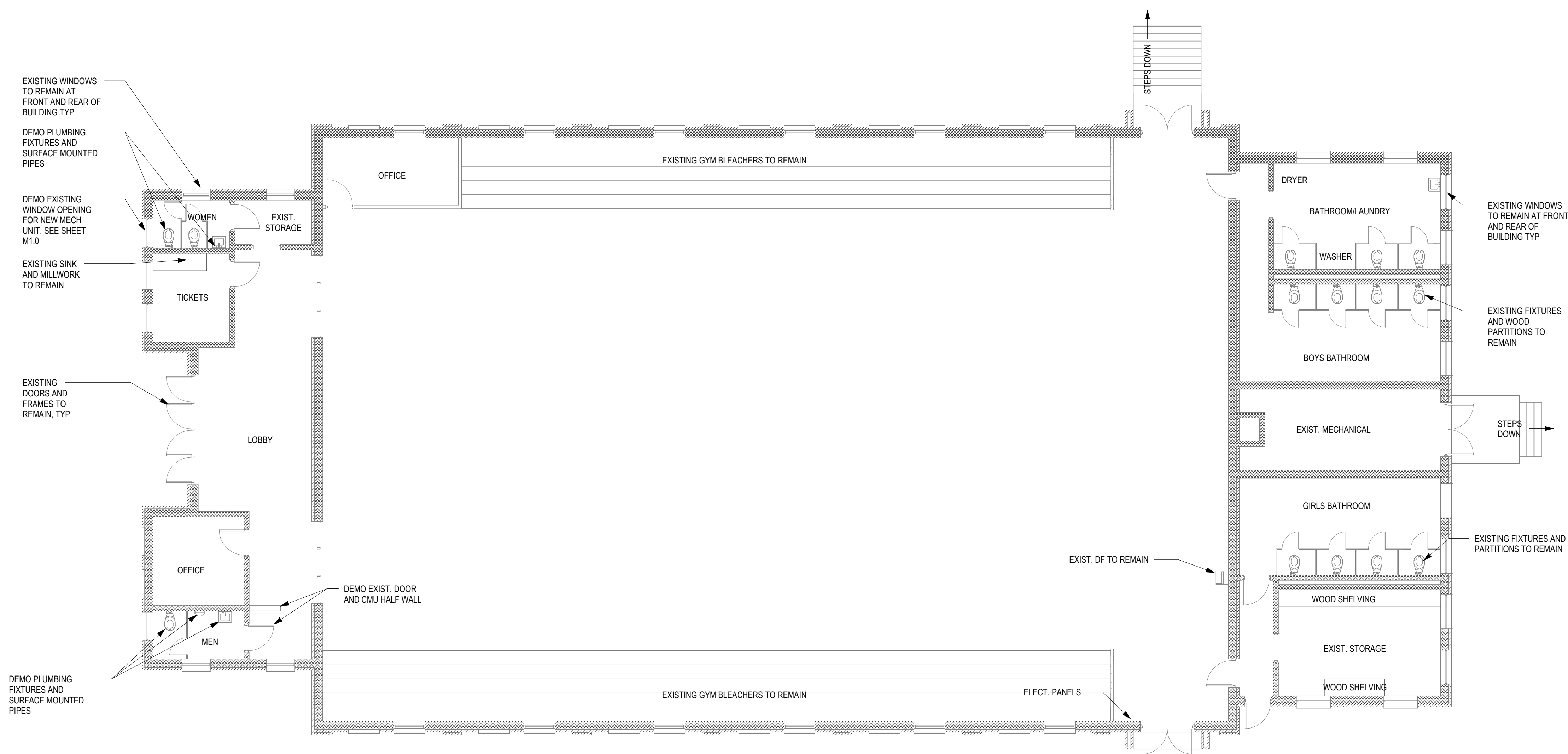
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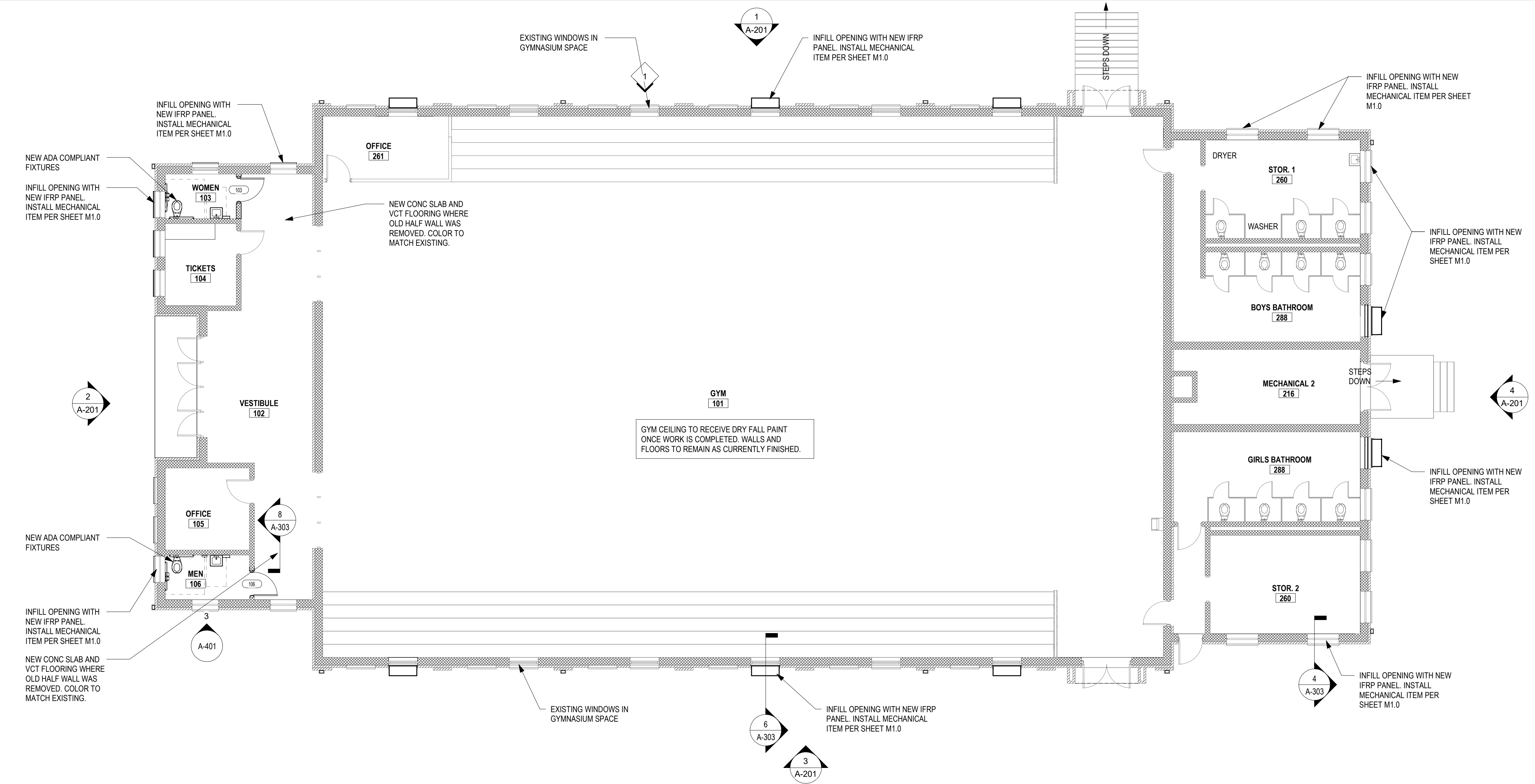
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EXISTING BUILDING PICTURES



1 FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - RENOVATED
SCALE: 1/8" = 1'-0"

FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
W2	STOREFRONT (CW WALL) TAG - SEE SHEET A401 AND FLOOR PLANS
	WINDOW TAG - SEE SHEET A401 AND FLOOR PLANS

GENERAL NOTES:

1. ALL CURTAINWALL (CW) AND STOREFRONT (SF) DIMENSIONED TO FACE OF MULLION, UNO.
2. ALL EXTERIOR MASONRY DIMENSIONED TO EXTERIOR FACE OF BRICK VENEER (IF APPLICABLE), IF NO VENEER, TO EXTERIOR FACE OF CMU, UNO.
3. ALL DOORS IN MASONRY DIMENSIONED TO MASONRY OPENING.
4. ALL END WALLS, EXTERIOR CORNERS AND PLASTERS TO RECEIVE BULLNOSE CMU BLOCK.

RENOVATION NOTES:

1. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT. CONTRACTOR TO NOTIFY SFL+A SHOULD CONDITIONS DIFFER FROM WHAT IS DRAWN.
2. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH THE OWNER PRIOR TO THE START OF WORK.
3. CONTRACTOR SHALL NOTIFY THE OWNER IN ADVANCE OF ANY INTERRUPTION IN UTILITY SERVICES NECESSARY TO COMPLETE THE WORK.
4. ALL DEMOLITION WORK SHALL BE PERFORMED DURING TIMES APPROVED BY AND ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE NOISE AND CONTROL DUST/DEBRIS MIGRATION SO AS TO AVOID DISTURBANCES TO SCHOOL ACTIVITIES, AS MUCH AS POSSIBLE FOR THE DURATION OF THE WORK.
5. ALL ITEMS WHICH ARE EXISTING AND TO REMAIN SHALL BE PROTECTED FOR THE DURATION OF THE WORK. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING ITEMS CAUSED BY THE WORK TO LIKE NEW CONDITION AT NO COST TO THE OWNER.
6. ITEMS NOTED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, UNO ON THE DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SUPPORTS, FASTENERS, FINISHES, TRACKS, TRANSITIONS, ETC. CONTRACTOR SHALL PATCH AND REPAIR SUBSTRATES AS NECESSARY TO RECEIVE NEW FINISHES.
7. PATCH ALL DISTURBED AREAS TO MATCH EXISTING.
8. EXTEND EXISTING UTILITIES AS REQUIRED.
9. ALIGN ALL NEW FINISHED FLOORS, CEILINGS, WALLS, SOFFITS AND ROOFS WITH EXISTING AS NECESSARY.
10. ALL WALLS NOT NOTED ARE EXISTING AND TO REMAIN.

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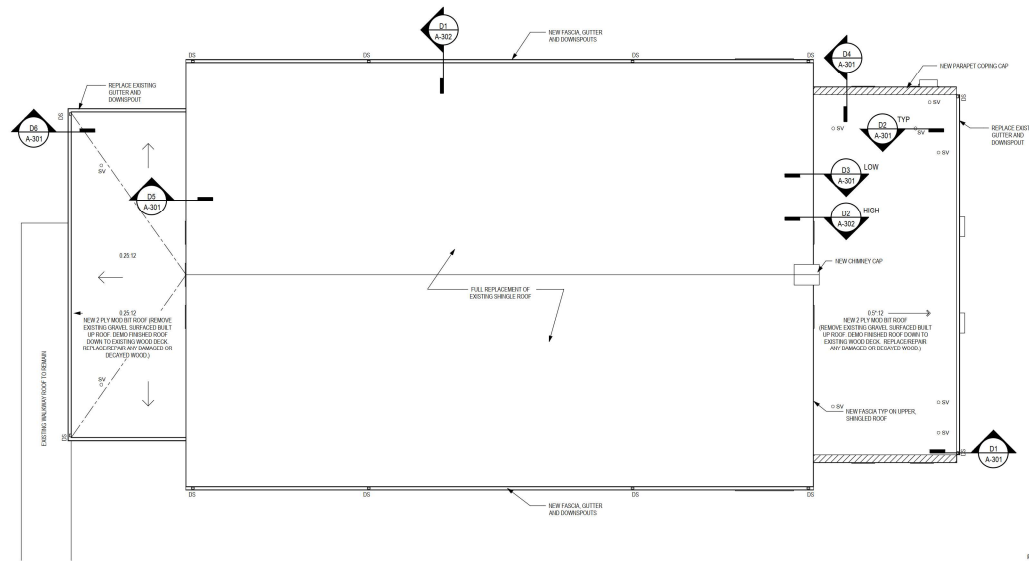
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FLOOR PLAN



1 ROOF PLAN
18"x12"

2 WIND ZONE PLAN
18"x12"

LEGEND

	GUTTER EXPANSION JOINT
	PARAPET WALL
	GUTTER AND DOWNSPOUT
	SANITARY VENT PIPE
	TAPERED INSULATION SLOPE
	STRUCTURAL CL/PC
	DETAIL NO.

- CONSTRUCTION NOTES**
- DEMOLITION
 - REMOVE EXISTING ROOFING DOWN TO DECK AND REPLACE WITH NEW ROOFING SYSTEM.
 - REMOVE EXISTING GUTTERS AND DOWNSPOUTS AND DISCARD.
 - AT ABANDONED EQUIPMENT THAT IS REMOVED, COVER OPENINGS AS DESCRIBED IN SPECIFICATION SECTION 07 00 ROOFING PREPARATION.
 - REMOVE DAMAGED/DETERIORATED WOOD BLOCKING AND WOOD FACIA AND DISCARD.
 - REMOVE DAMAGED/DETERIORATED TONGUE AND GROOVE WOOD PLANK DECKING AND DISCARD.
 - WHERE EXISTING SANITARY VENT PIPE PENETRATIONS ARE WITHIN 12 INCHES OF WALL, MODIFY, EXTEND, AND RELOCATE PENETRATION TO PROVIDE MINIMUM CLEARANCE OF 12 INCHES FROM WALL.
 - NEW ROOFING CONSTRUCTION
 - INSTALL NEW 2 PLY MODIFIED BITUMEN ROOFING SYSTEM. REFER TO SPECIFICATION SECTION 07 25 20 SBS/MODIFIED BITUMEN MEMBRANE ROOFING FOR TOTAL SYSTEM INCLUDING COVERBOARD, TAPERED, AND BASE LAYER INSULATION.
 - PROVIDE NEW GUTTERS AND DOWNSPOUTS. DOWNSPOUTS ARE TO BE CONNECTED TO EXISTING DOWNSPOUT BOOTHS.
 - REPLACE ALL REMOVED DAMAGED/DETERIORATED WOOD BLOCKING AND DECKING.
 - REFER TO SECTION 07 62 00 SHEET METAL FLASHING AND TRIM.
 - EXTEND ALL SANITARY PIPES TO ALLOW FOR MINIMUM FLASHING HEIGHT OF 8 INCHES ABOVE NEW FINISHED ROOF LEVEL.
 - FLASHING HEIGHTS SHALL BE MINIMUM 6 INCHES ABOVE NEW FINISHED ROOF SURFACE.
 - INSTALL NEW WOOD BLOCKING AT EAVES AS REQUIRED TO FINISH FLUSH WITH THE TOP OF THE COVER BOARD.
 - REPLACE THROUGH WALL FLASHINGS ON NORTH ELEVATION.



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MOORE COUNTY SCHOOLS
**SANDHILLS FARM LIFE ELEMENTARY
GYM RENOVATIONS**
2201 FARM LIFE SCHOOL RD. - CARTHAGE, NC 28327

CODE SUMMARY

NORTH CAROLINA BUILDING CODE (2018 EDITION)
AND ASCE

BASIC WIND SPEED = 120 MPH
CATEGORY = II
EXPOSURE CATEGORY = B
INTERNAL PRESSURE COE = +/- 0.10

THE NEW ROOF SYSTEM SHALL BE DESIGNED
AND CONSTRUCTED TO MEET THE FOLLOWING
WIND UPLIFT PRESSURES:

1. CORNER ZONE	= 26.4 PSF
2. PERIMETER ZONE	= 20.5 PSF
3. FIELD ZONE	= 15.0 PSF
4. WALL CORNER	= 20.9 - 28.1 PSF
5. WALL CORNER	= 20.9 - 28.1 PSF

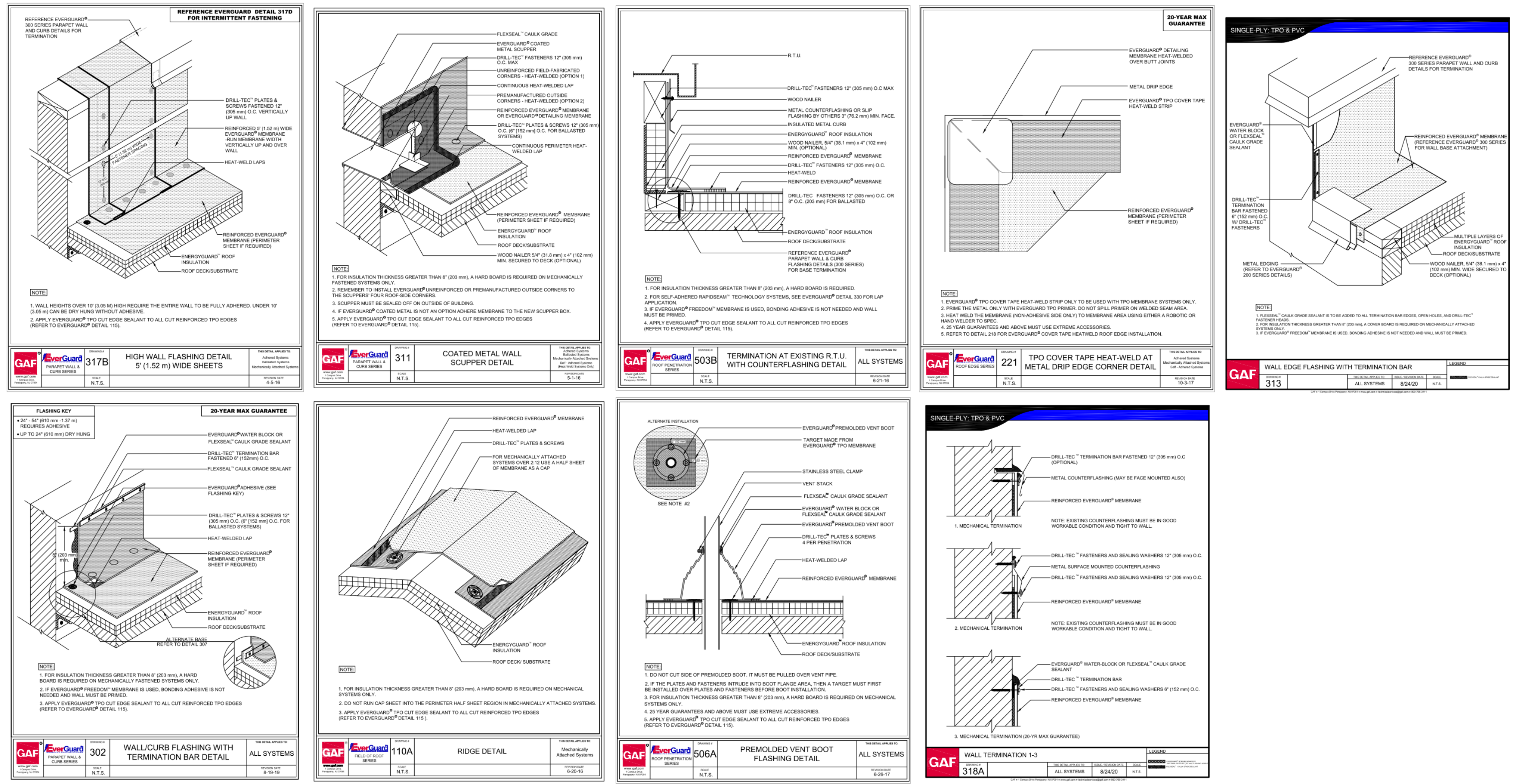
WIND ZONE

	ZONE 1 FIELD ZONE
	ZONE 2 PERIMETER ZONE (PERIMETER IS 4 FEET WIDE)
	ZONE 3 CORNER ZONE (CORNERS ARE 4 x 4 FEET)

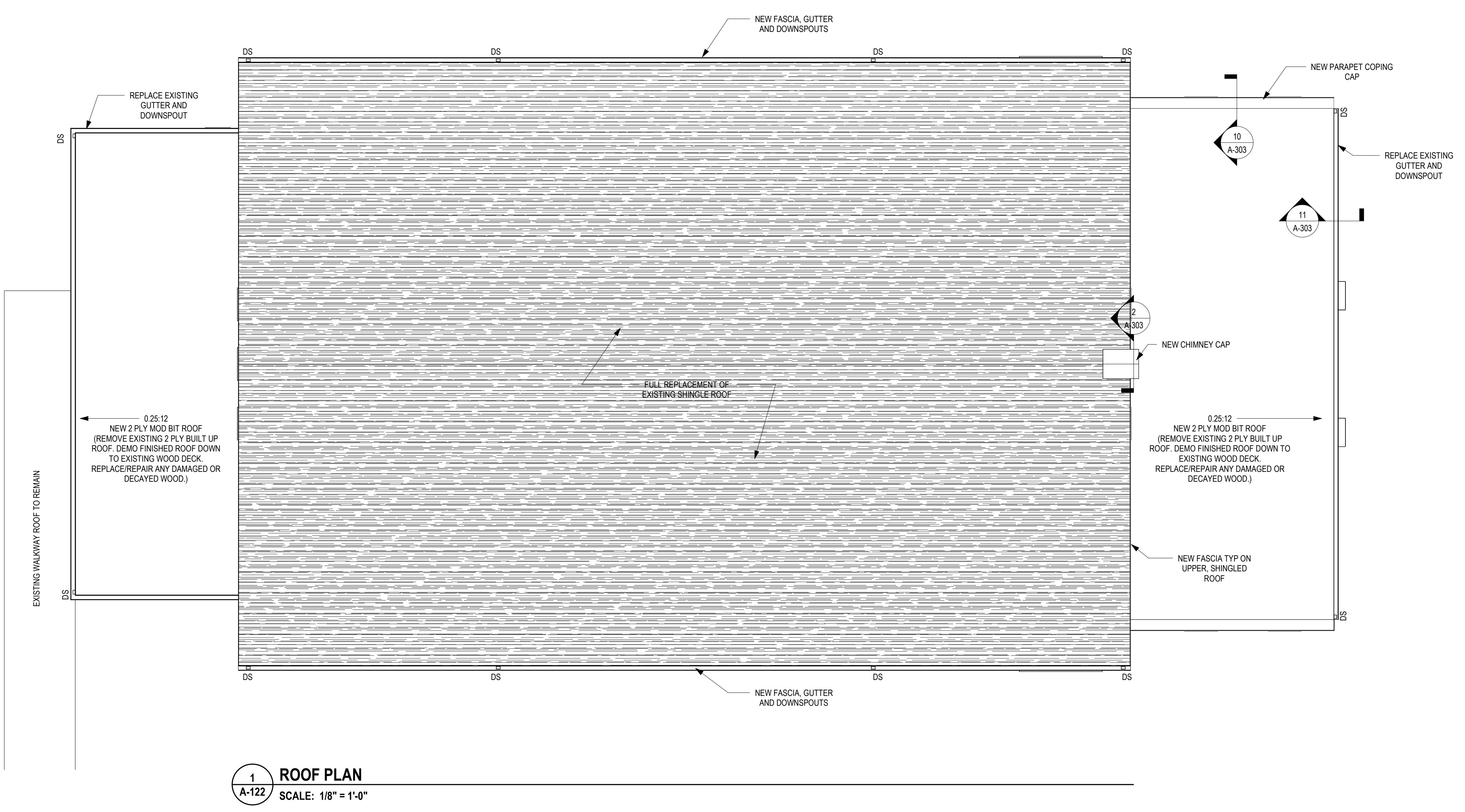
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ROOF PLAN &
WIND ZONE PLAN
A-121



2
A-122 **GAF ROOF DETAILS - BASIS OF DESIGN**
SCALE: 6" = 1'-0"



1
A-122 **ROOF PLAN**
SCALE: 1/8" = 1'-0"

ROOF PLAN LEGEND	
SYMBOL	DESCRIPTION
DS	DOWNSPOUT

GENERAL NOTES:

- SEE PLUMBING AND MECHANICAL DRAWINGS FOR ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS.

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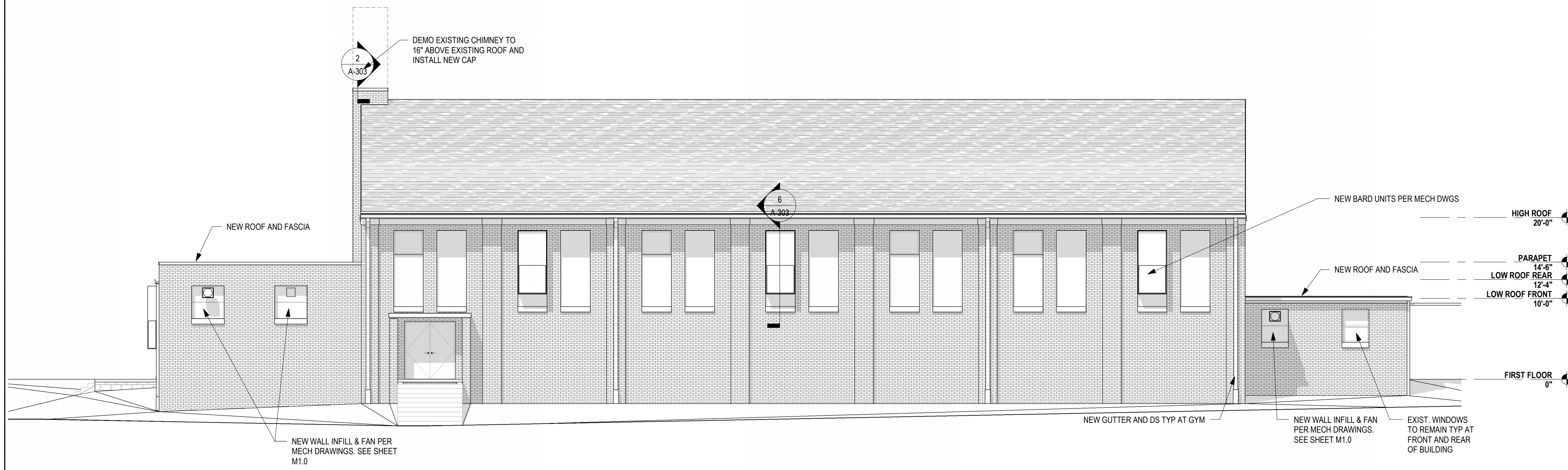
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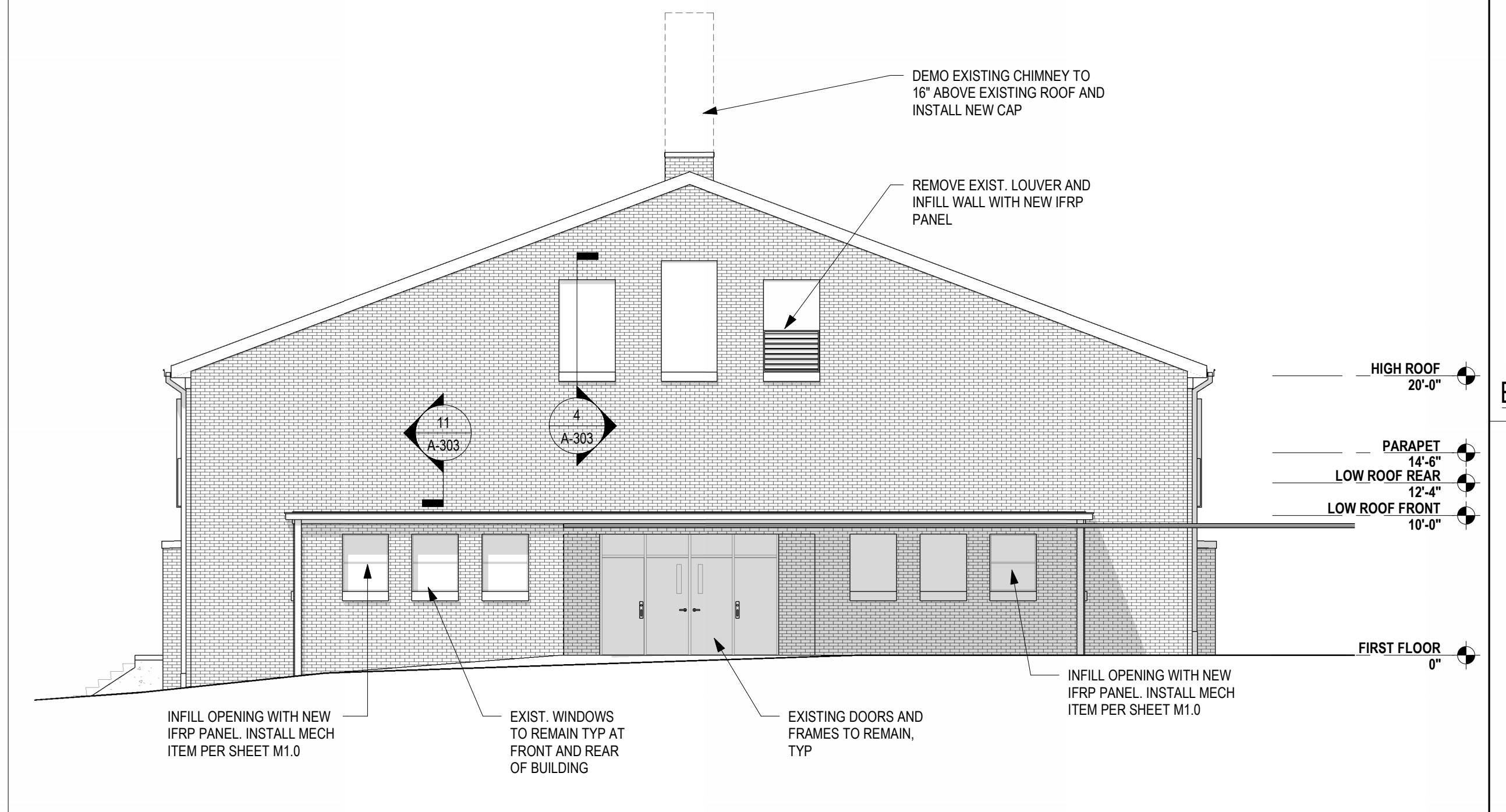
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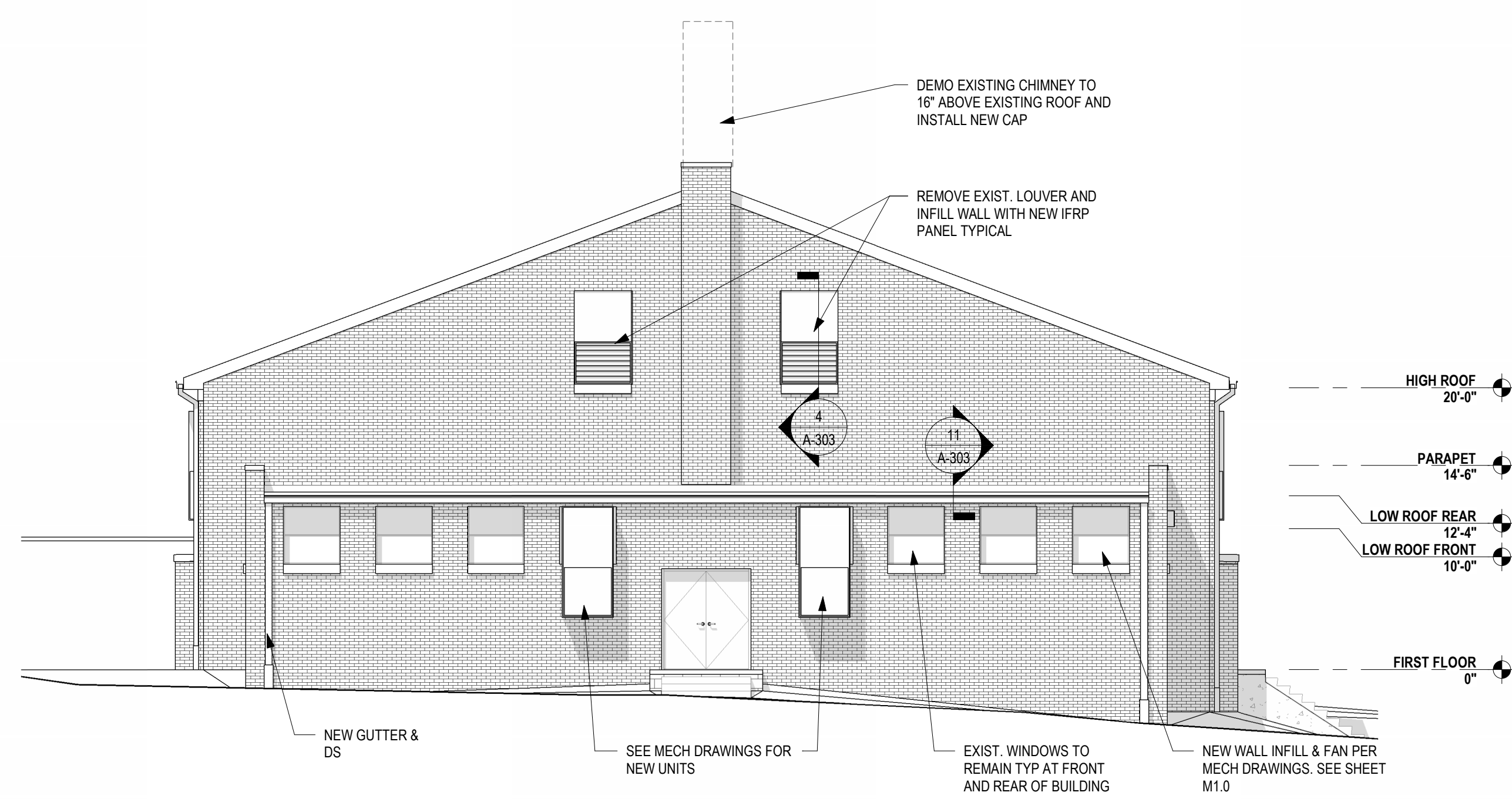
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ROOF PLAN



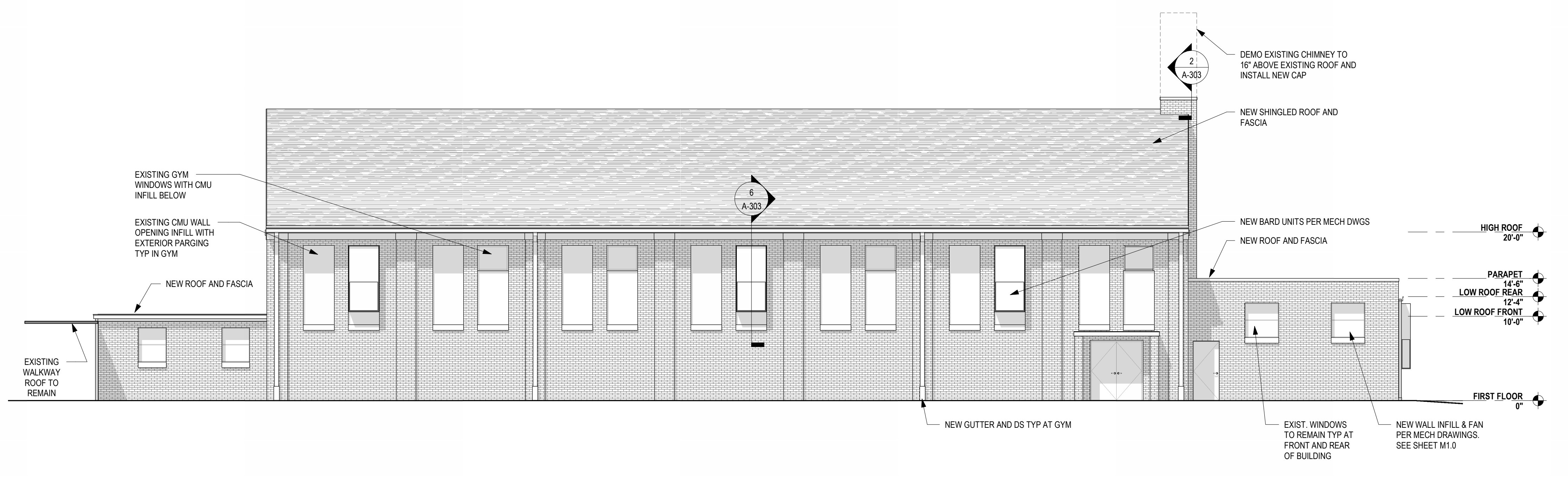
1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



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



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



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

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EXTERIOR ELEVATIONS

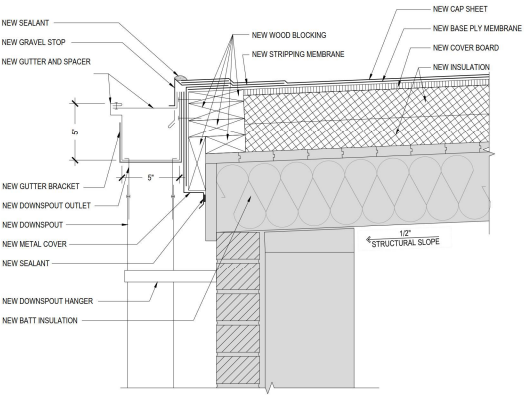
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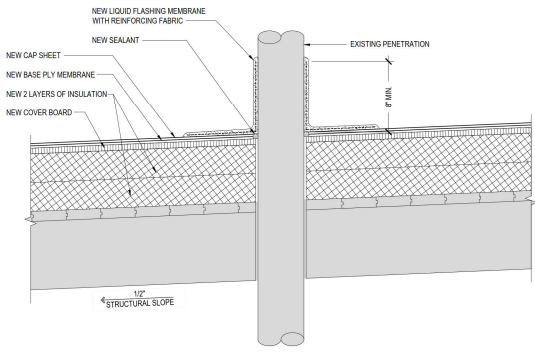
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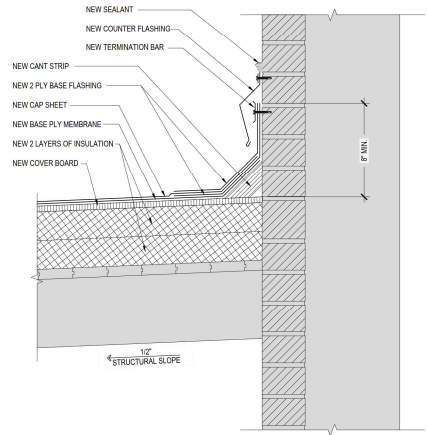
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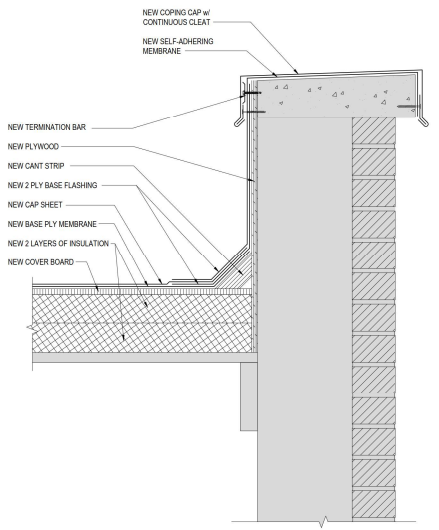
D1 EAVE / GUTTER DETAIL
3" = 1'-0"



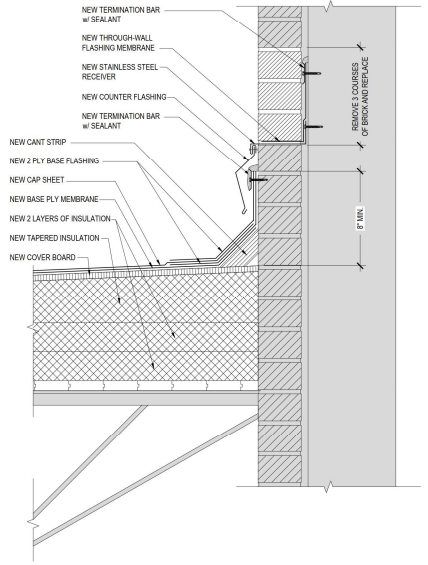
D2 PIPE PENETRATION DETAIL
3" = 1'-0"



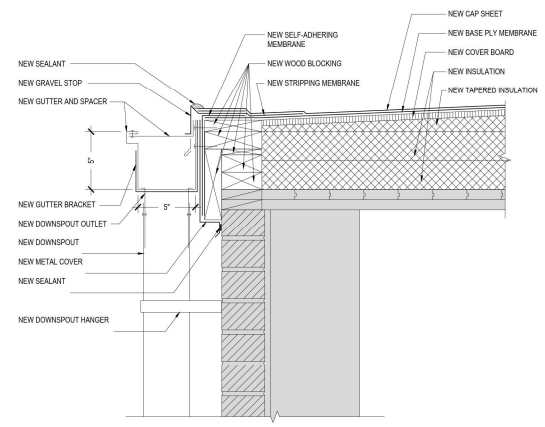
D3 WALL FLASHING DETAIL
3" = 1'-0"



D4 PARAPET WALL DETAIL
3" = 1'-0"



D5 WALL FLASHING DETAIL
3" = 1'-0"



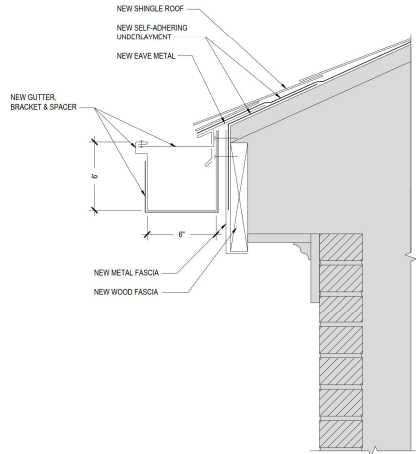
D6 EAVE / GUTTER DETAIL
3" = 1'-0"

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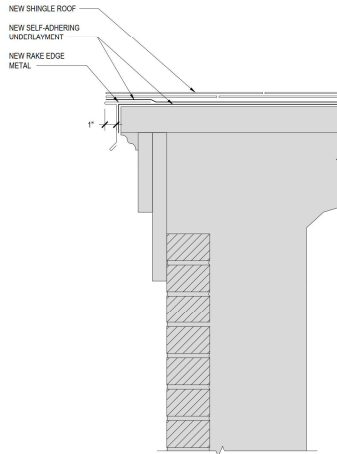
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SECTIONS &
 DETAILS



D1 EAVE / GUTTER DETAIL
1/2" = 1'-0"



D2 RAKE DETAIL
1/2" = 1'-0"

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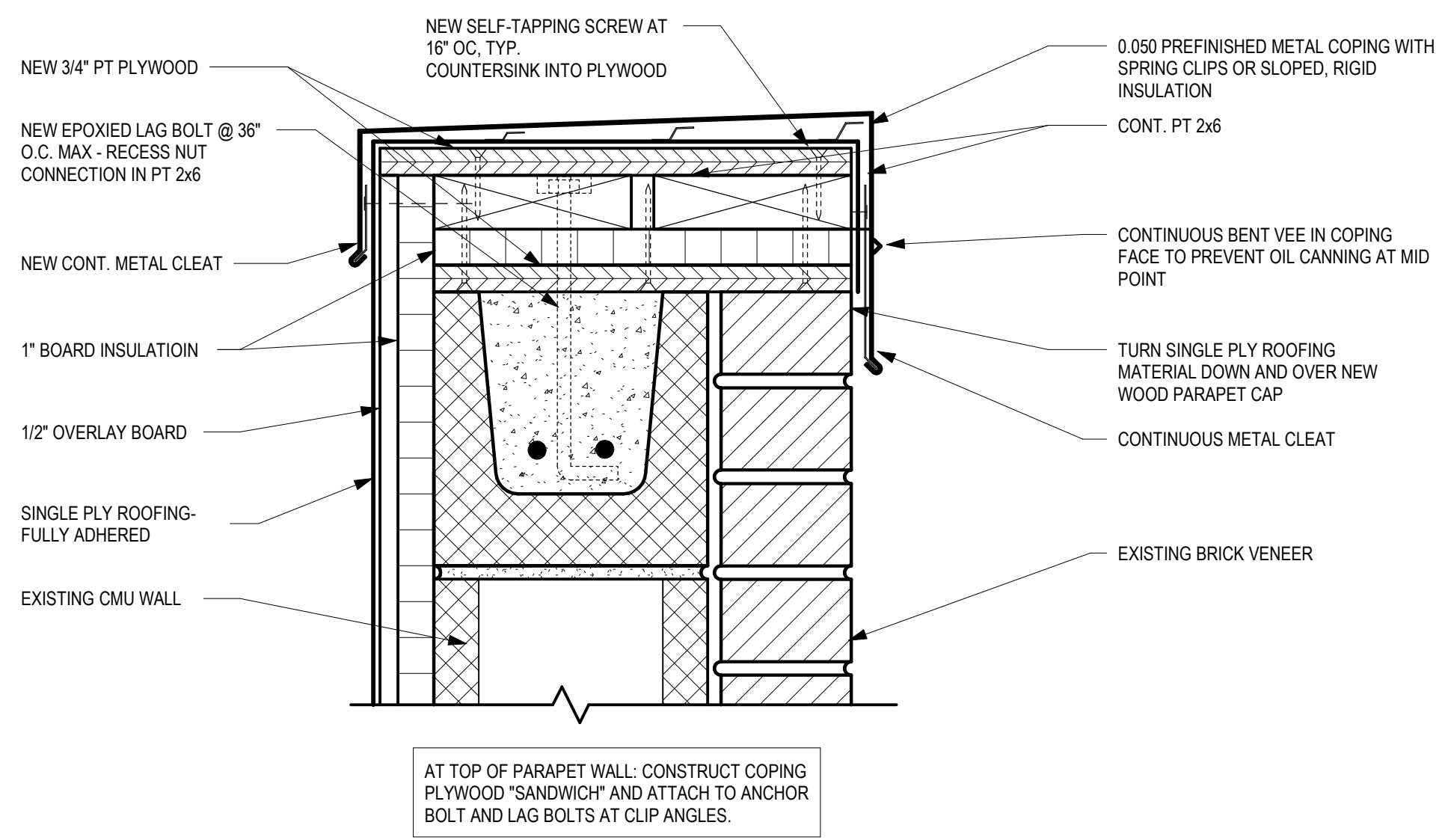


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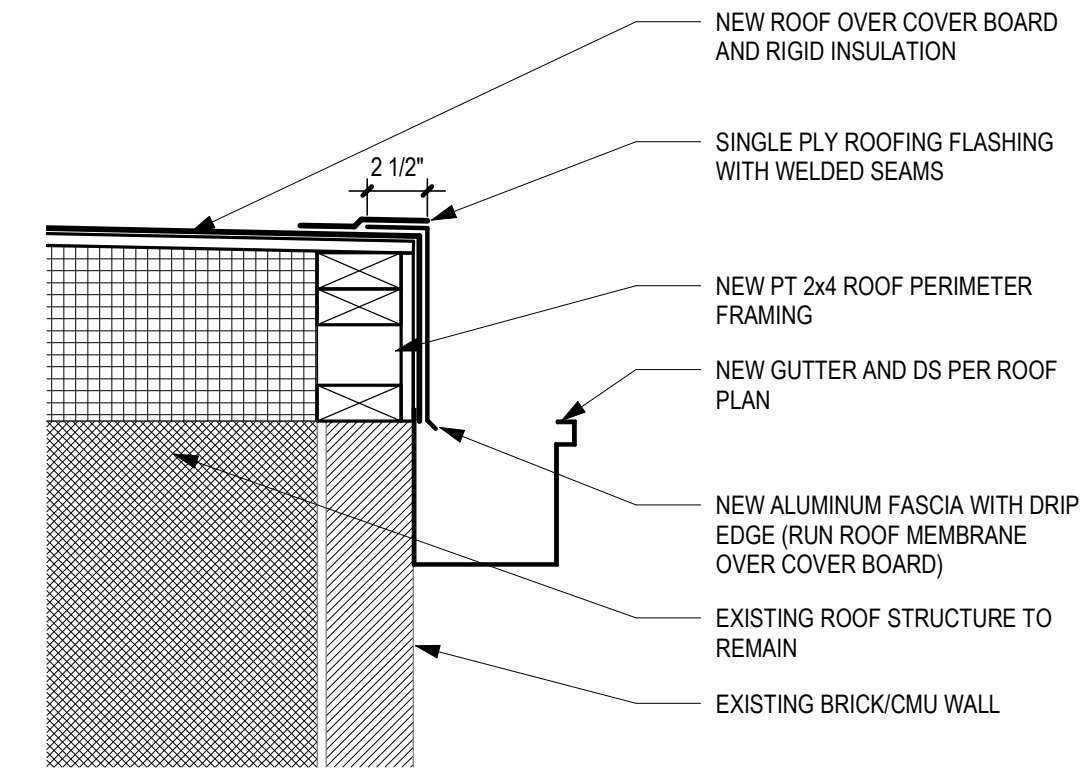
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SECTIONS &
DETAILS

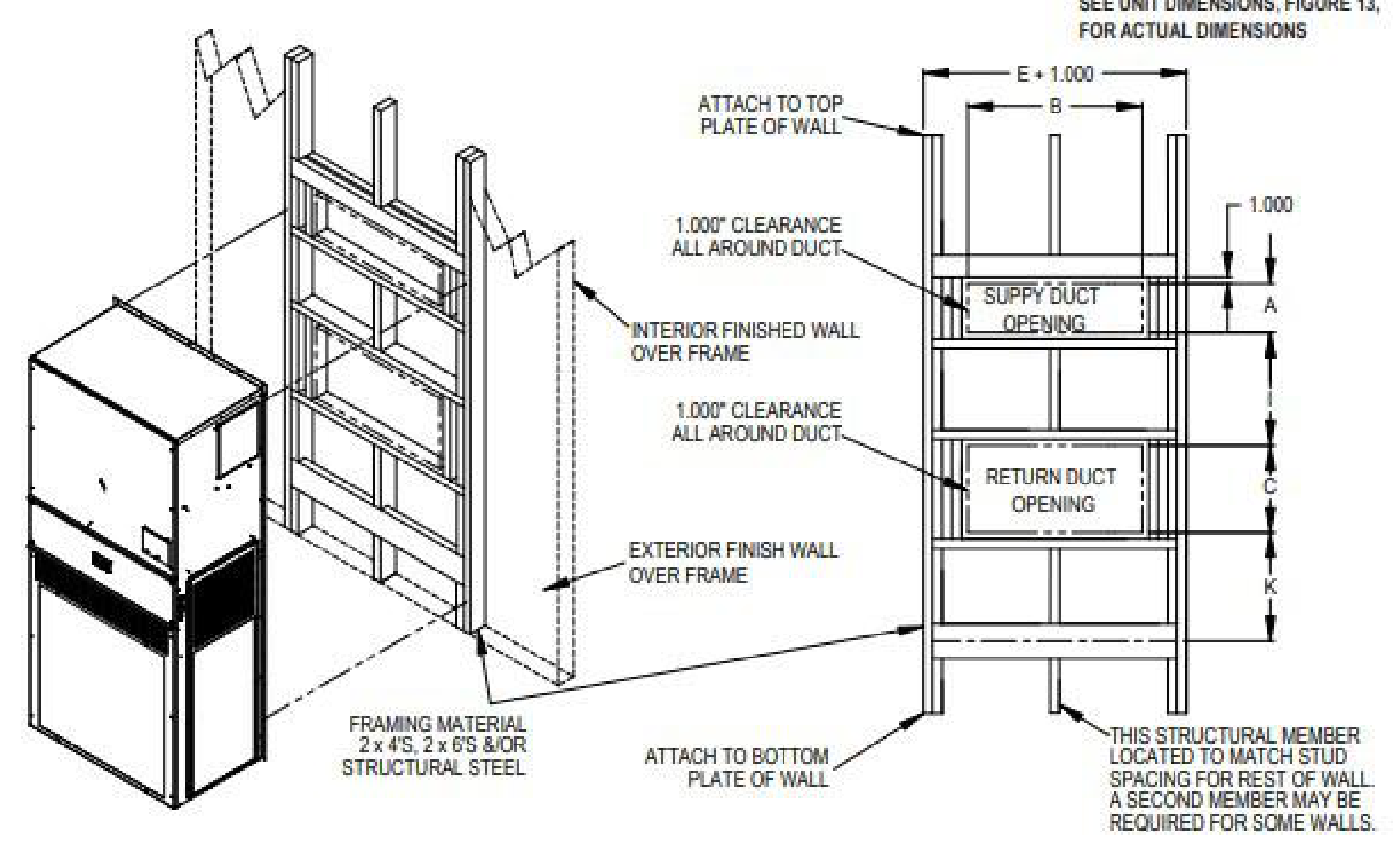


10 PARAPET COPING REPLACEMENT DETAIL
SCALE: 3" = 1'-0"

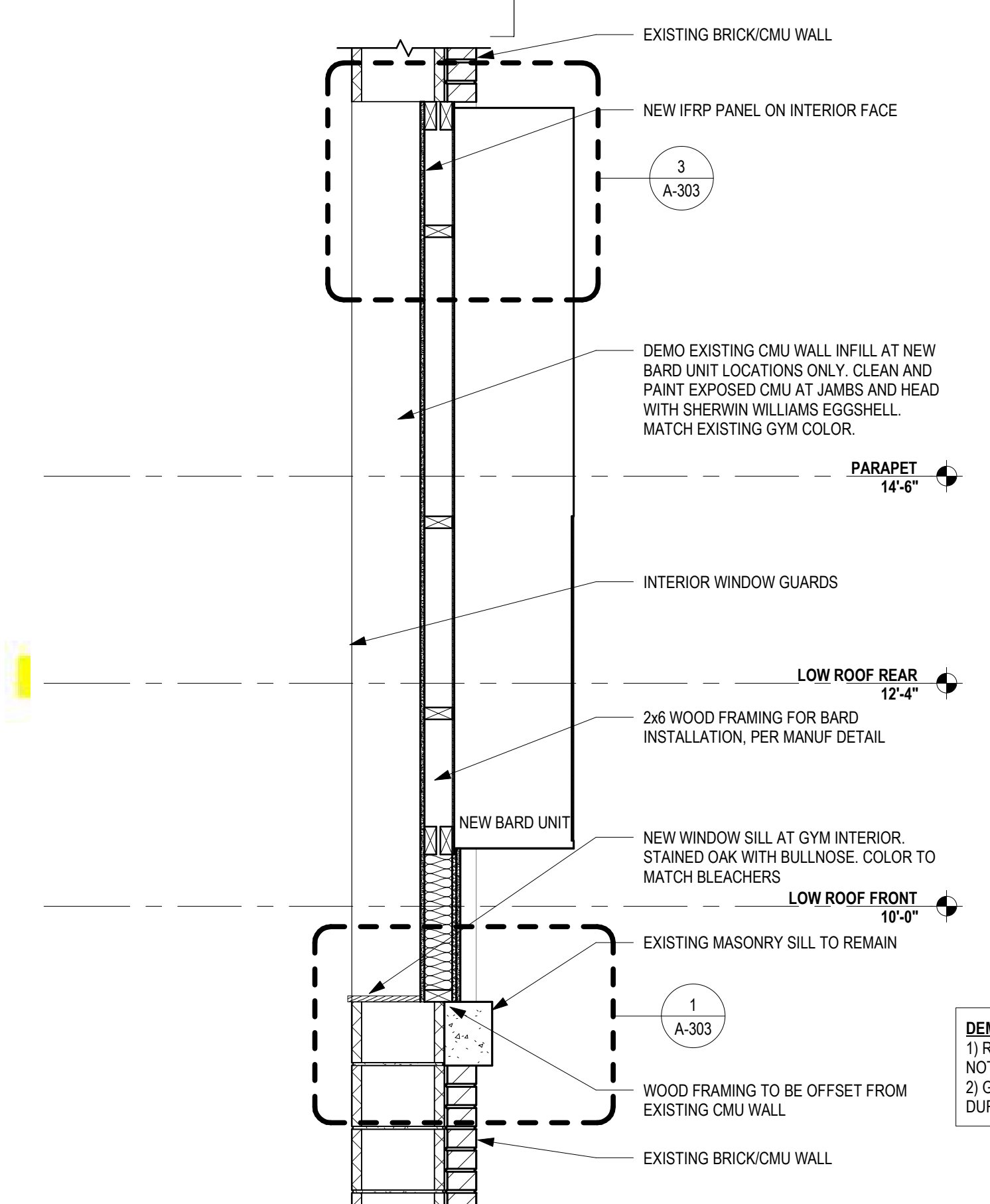


11 LOW ROOF FASCIA SECTION
SCALE: 1 1/2" = 1'-0"

FIGURE 17 Wall Mounting Instructions

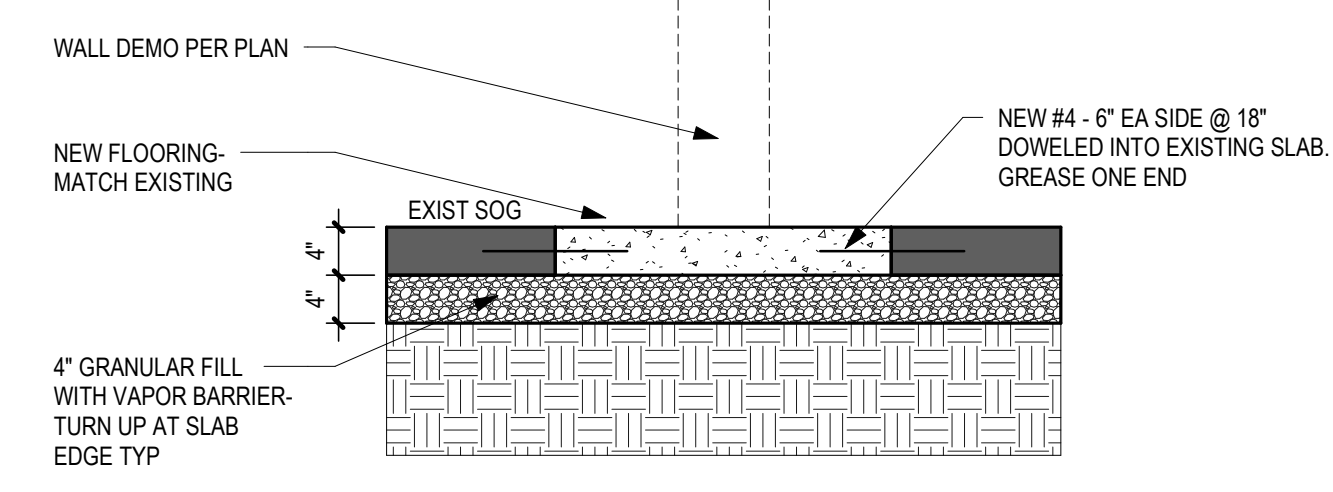


BARD UNIT OPENING FRAMING (FROM MANUF DETAIL)

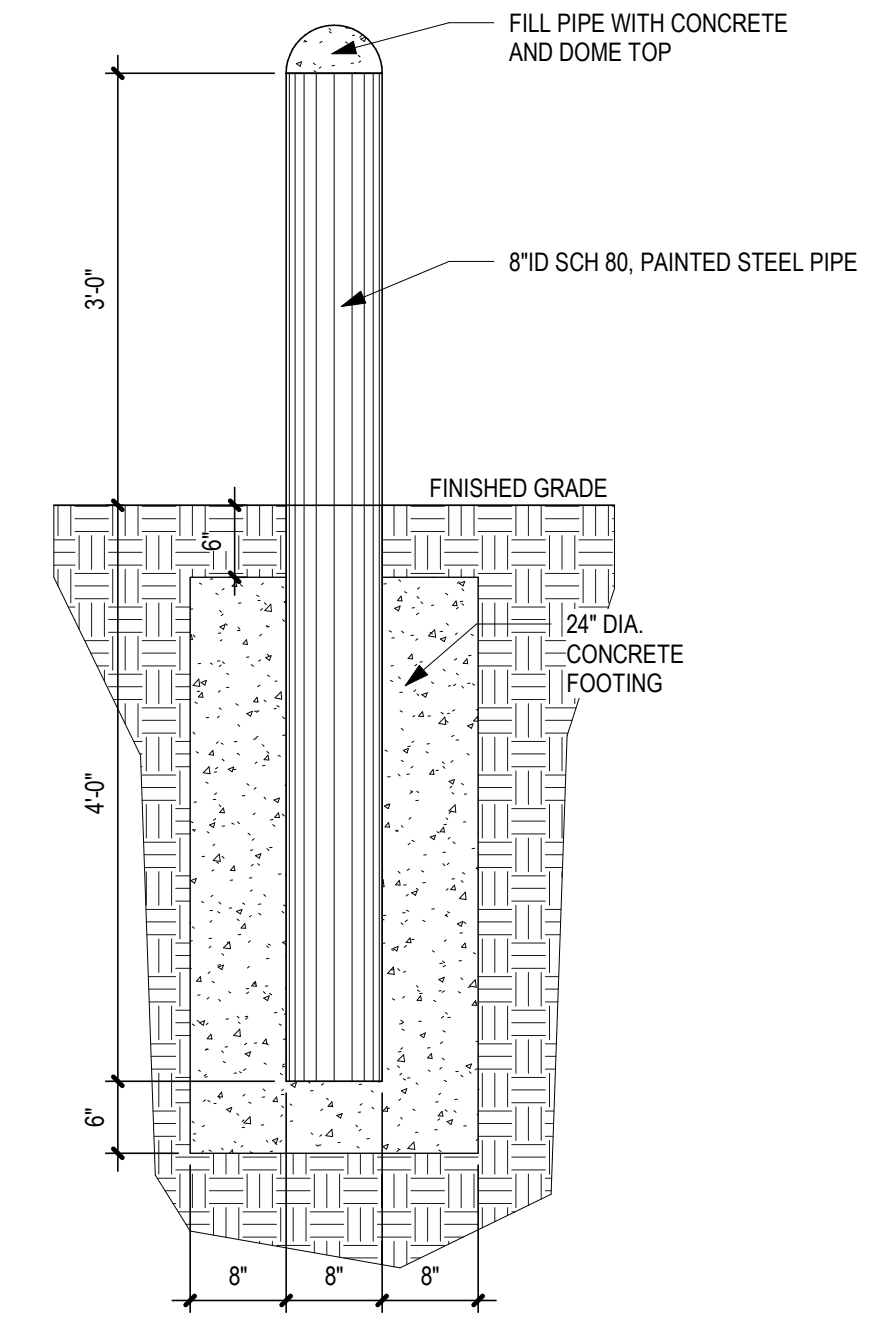


6 WALL OPENING SECTION AT BARD UNIT
SCALE: 3/4" = 1'-0"

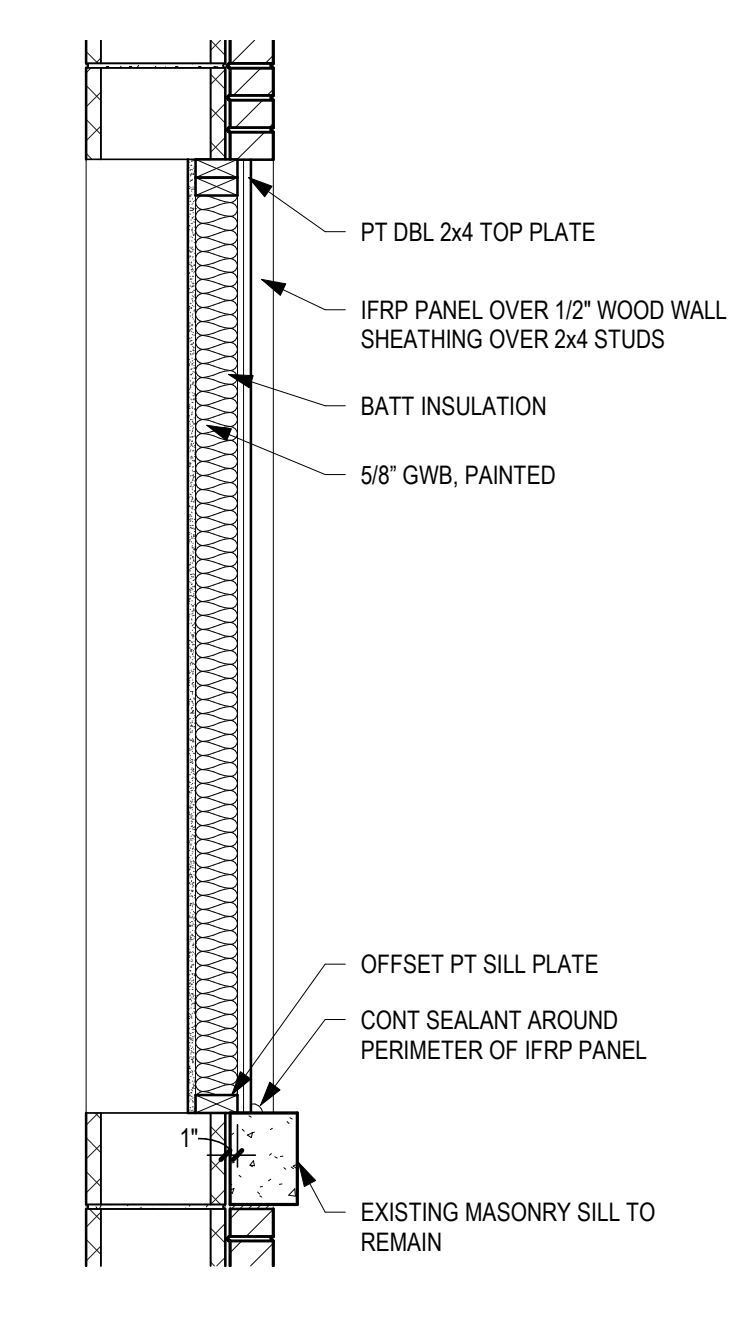
DEMOLITION NOTES:
1) REMOVE EXISTING IFRP PANEL AND CMU OPENING INFILL. DO NOT DAMAGE EXISTING SURROUNDING BRICK.
2) GC TO PROVIDE PROTECTION TO EXISTING BLEACHERS DURING DEMOLITION AND INSTALLATION.



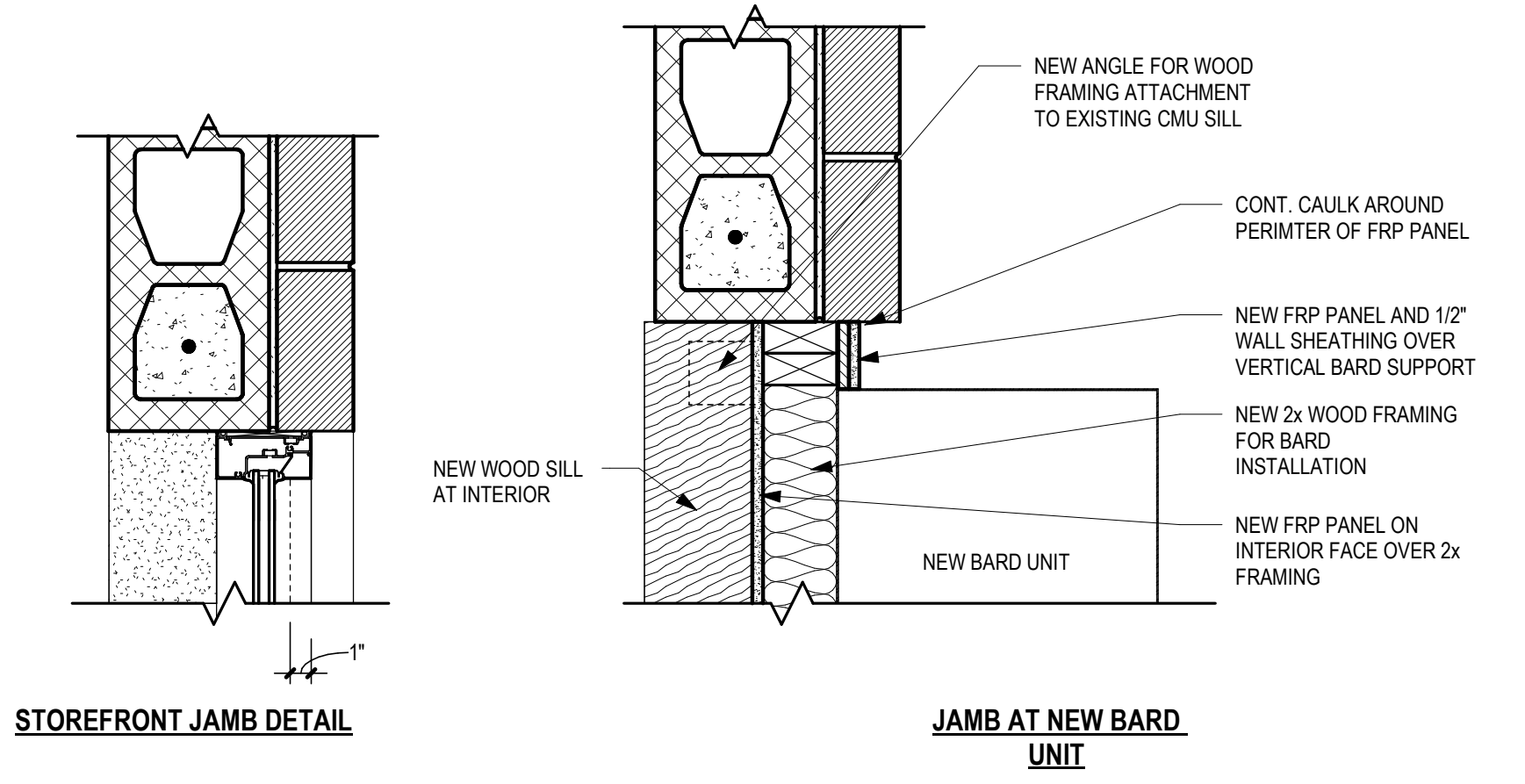
8 EXIST. SLAB REPAIR DETAIL
SCALE: 3/4" = 1'-0"



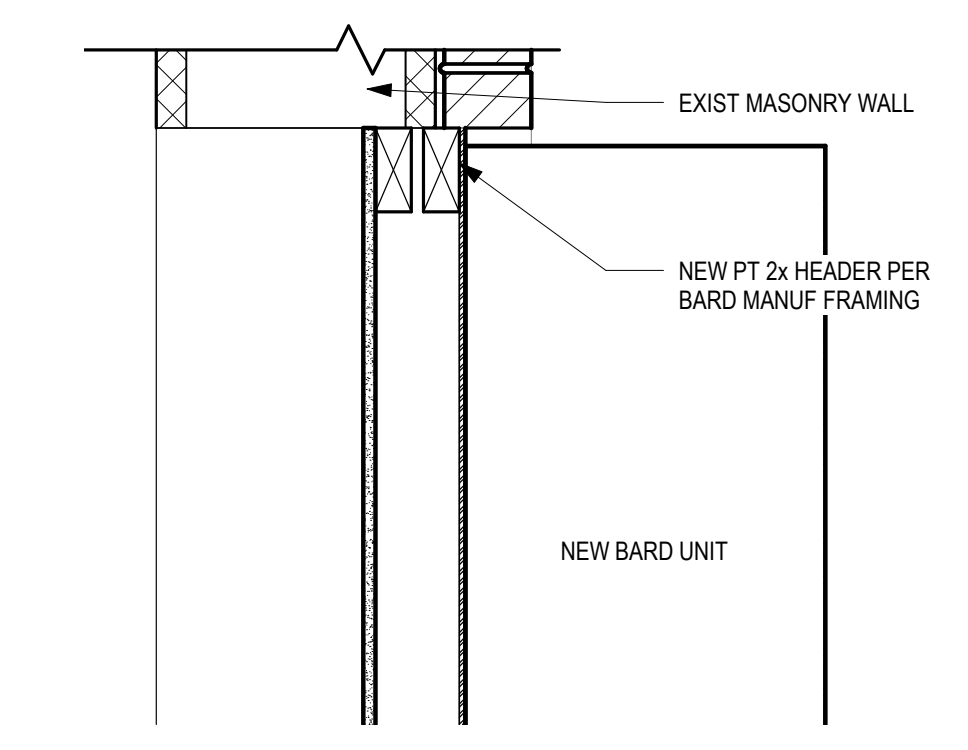
7 SITE BOLLARD
SCALE: 3/4" = 1'-0"



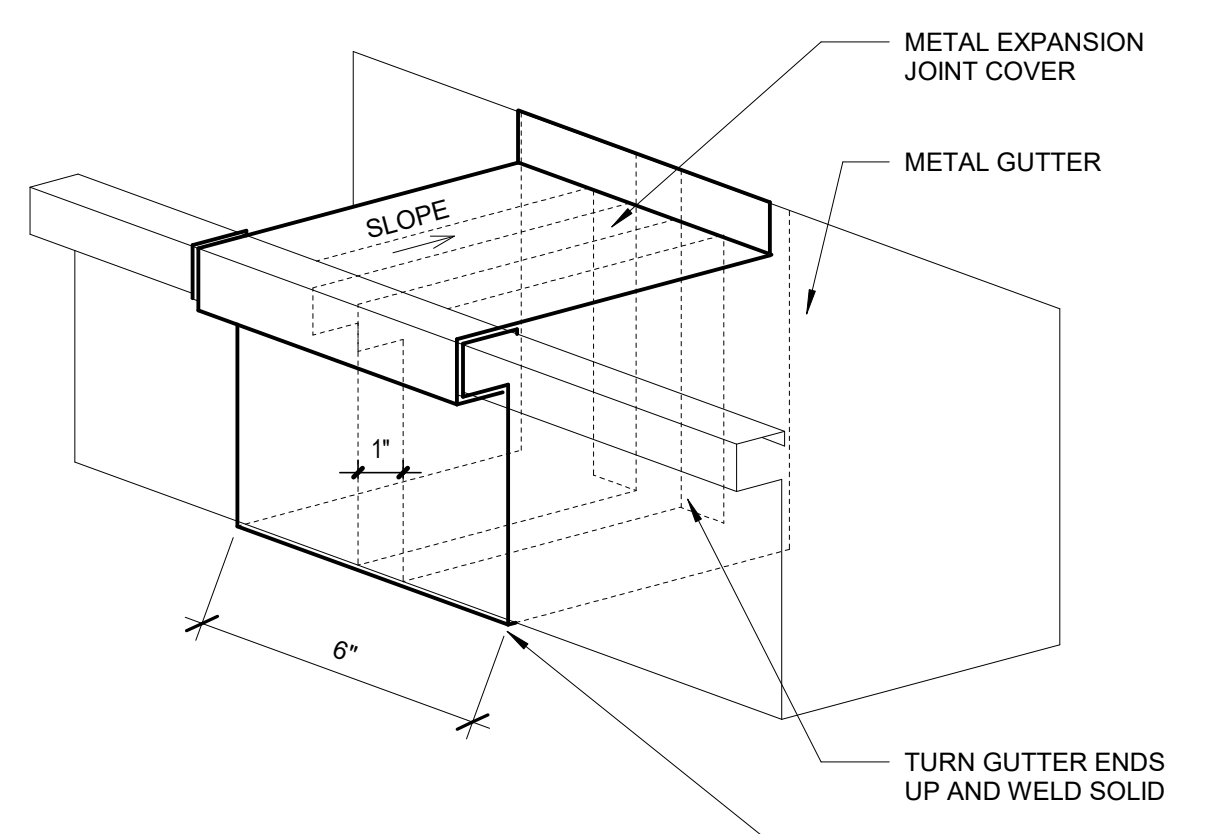
4 IFRP INFILL PANEL SECTION
SCALE: 3/4" = 1'-0"



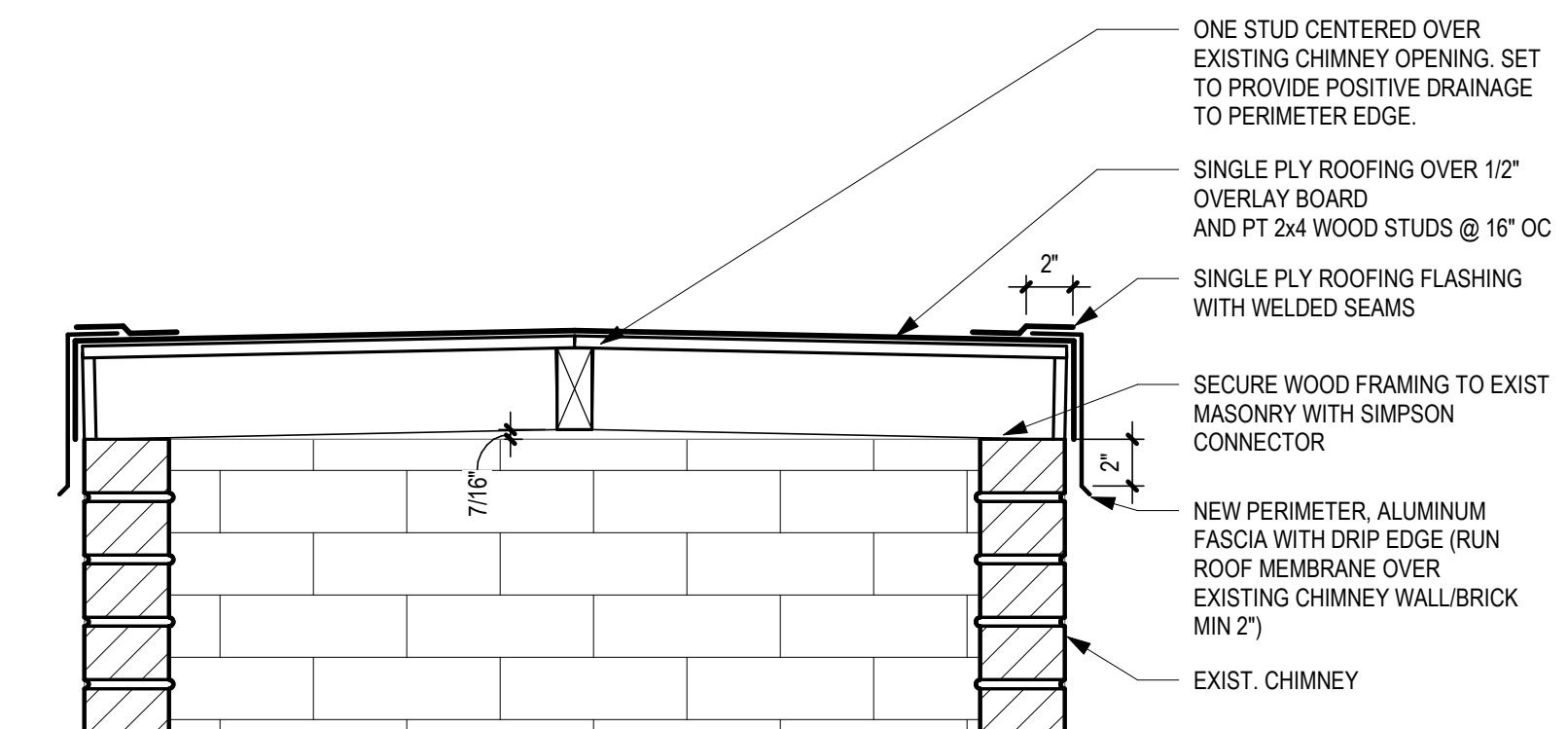
5 WALL JAMB DETAILS
SCALE: 1 1/2" = 1'-0"



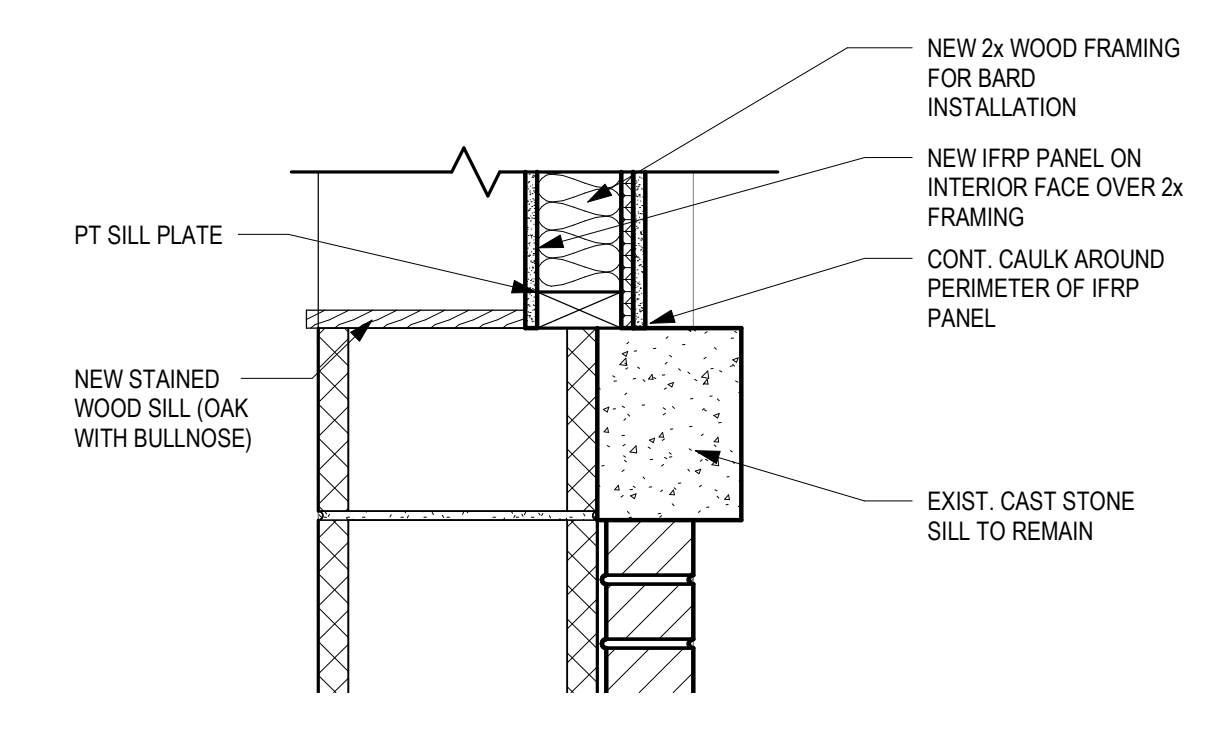
3 WALL HEAD DETAIL AT BARD
SCALE: 1 1/2" = 1'-0"



9 GUTTER EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



2 CHIMNEY CAP SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



1 WALL SILL DETAIL AT BARD
SCALE: 1 1/2" = 1'-0"

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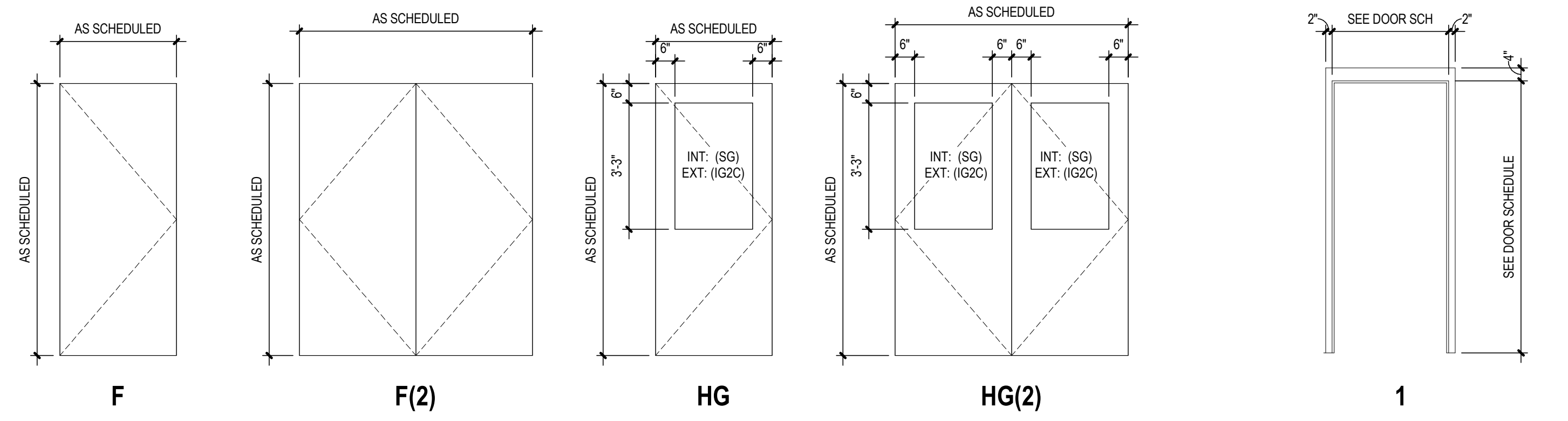
DOOR LOCKSET FUNCTION LEGEND

HARDWARE NOTES:
ENTRY DEADLOCK FUNCTION: DEADBOLT BY KEY OUTSIDE, THUMBTURN INSIDE
BOTH SIDES LOCK FUNCTION: THE INSIDE LEVER IS UNLOCKED BY A KEY AND THE OUTSIDE LEVER IS UNLOCKED BY A KEY. CAN REMAIN UNLOCKED.
STOREROOM FUNCTION: THE INSIDE LEVER IS ALWAYS OPERABLE. THE OUTSIDE LEVER IS ALWAYS LOCKED. ONE MUST ALWAYS HAVE A KEY TO OPEN THE DOOR FROM THE OUTSIDE.
OFFICE FUNCTION: THE INSIDE LEVER IS ALWAYS OPERABLE. THE OUTSIDE LEVER IS LOCKED BY DEPRESSING A BUTTON ON THE INSIDE LEVER. A KEY IS USED TO UNLOCK THE OUTSIDE LEVER FROM THE OUTSIDE WHEN LOCKED.
PRIVACY FUNCTION: THE OUTSIDE LEVER IS LOCKED BY USE OF A PUSH BUTTON ON THE INSIDE LEVER. THE OUTSIDE LEVER CAN BE UNLOCKED (NOT BY A KEY) BY THE USE OF SOME SIMPLE TOOL.
PASSAGE FUNCTION: THE INSIDE AND OUTSIDE LEVERS ARE FREE TO OPERATE AT ALL TIMES.

GENERAL DOOR NOTES

1. PROVIDE AND INSTALL WEAATHERSTRIPPING AT ALL NEW EXTERIOR DOORS.
2. PROVIDE AND INSTALL SILENCERS AT ALL NEW H.M. FRAMES.

NO.	DOOR SIZE			MATERIAL	TYPE	FRAME		HARDWARE	FIRE RATING	KEYED NOTES
	WIDTH	HEIGHT	THK			TYPE	MATERIAL			
103	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	1.5 PR HINGES, PRIVACY SET, CORE, CLOSER, 1 EA STOP, 3 EA SILENCER	0	BRUSHED OR SATIN FINISH, SIGN TYPE D
106	3'-0"	7'-0"	1 3/4"	WD	F	1	HM	1.5 PR HINGES, PRIVACY SET, CORE, CLOSER, 1 EA STOP, 3 EA SILENCER	0	BRUSHED OR SATIN FINISH, SIGN TYPE D



DOOR PANEL LEGEND
SCALE: 3/8" = 1'-0"

DOOR FRAME TYPE LEGEND
SCALE: 3/8" = 1'-0"

SIGNAGE NOTES:

1. ROOM SIGNAGE TO BE LOCATED ON THE WALL ADJACENT TO THE STRIKE SIDE OF THE DOOR.
2. MOUNTING LOCATION AND HEIGHT SHOWN IS TYPICAL.
3. VERIFY NON-TYPICAL SIGN LOCATIONS WITH THE ARCHITECT PRIOR TO INSTALLATION.
4. AT DOORS WITH Sidelights ON THE STRIKE SIDE OF JAMB, USE DOUBLE SIDED TAPE ONLY. PROVIDE A BLANK SOLID SIGN OF SAME COLOR AND SIZE ON OPPOSITE SIDE OF GLASS.
5. COORDINATE ROOM NAME, NUMBER AND DOOR INVENTORY NUMBER WITH USER.
6. PROVIDE SIGNAGE AT ALL INTERIOR DOOR LOCATIONS. ROOMS WITH MORE THAN ONE ACCESS POINT SHALL REQUIRE SIGNAGE AT EACH LOCATION.
7. TYPICAL FOR ALL DOOR INVENTORY NUMBERS - SHALL HAVE RAISED NUMBERS AND BE BLACK IN COLOR.
8. FIRE EVACUATION MAP HOLDERS TO BE PROVIDED IN ALL HABITABLE ROOMS ADJACENT TO THE EGRESS DOOR.

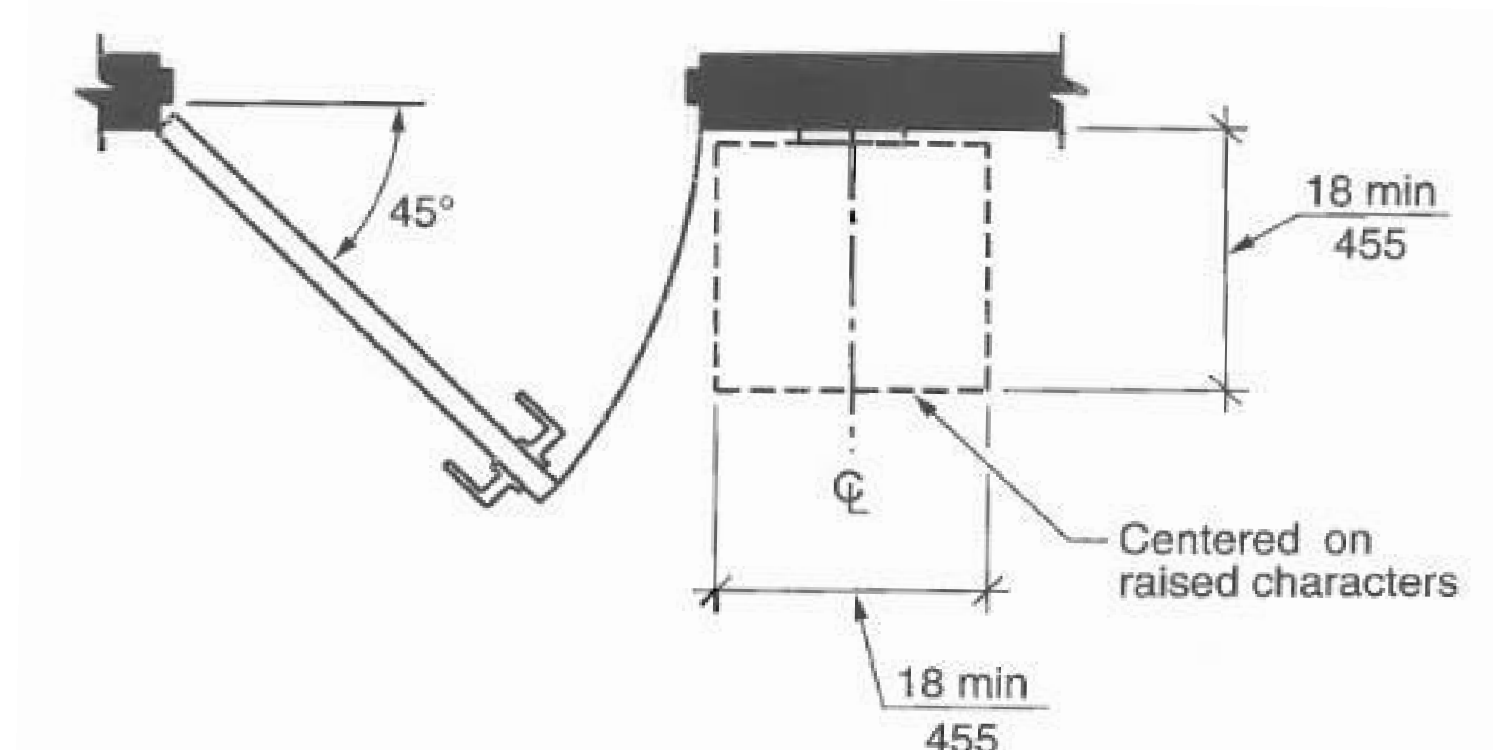
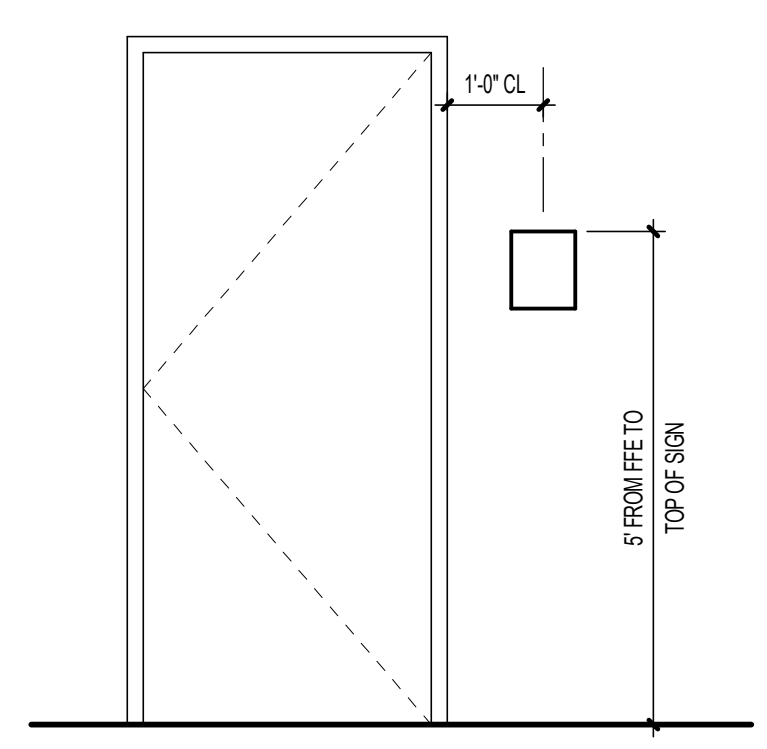
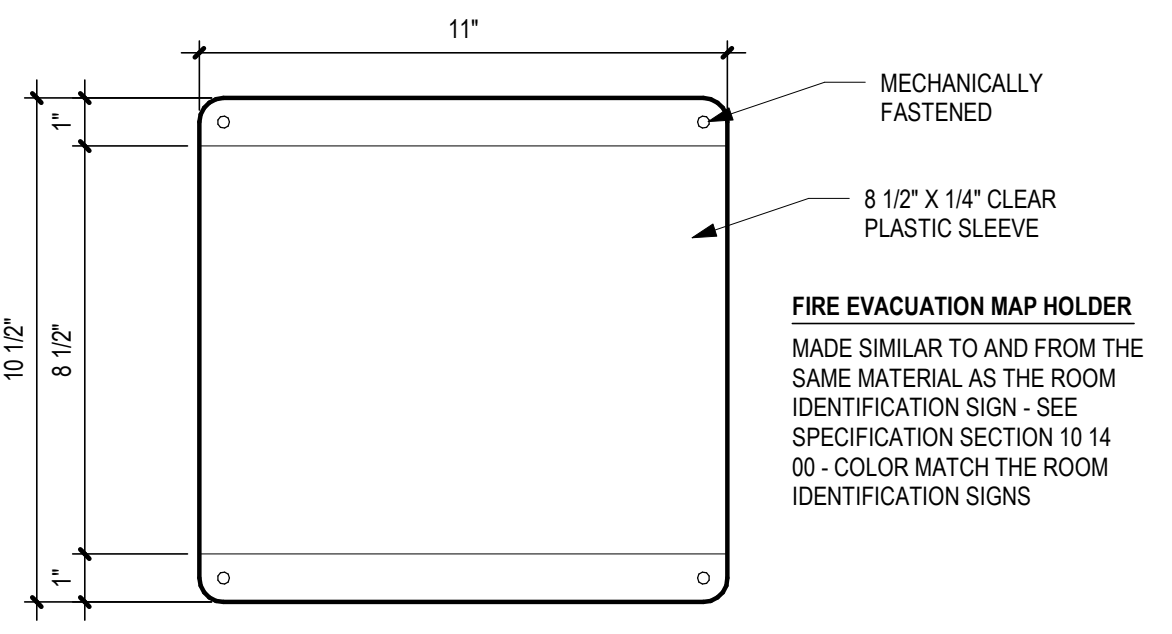


FIGURE 703.3.11
LOCATION OF SIGNS AT DOORS

1 SIGNAGE DETAIL AT WALL
SCALE: 6" = 1'-0"

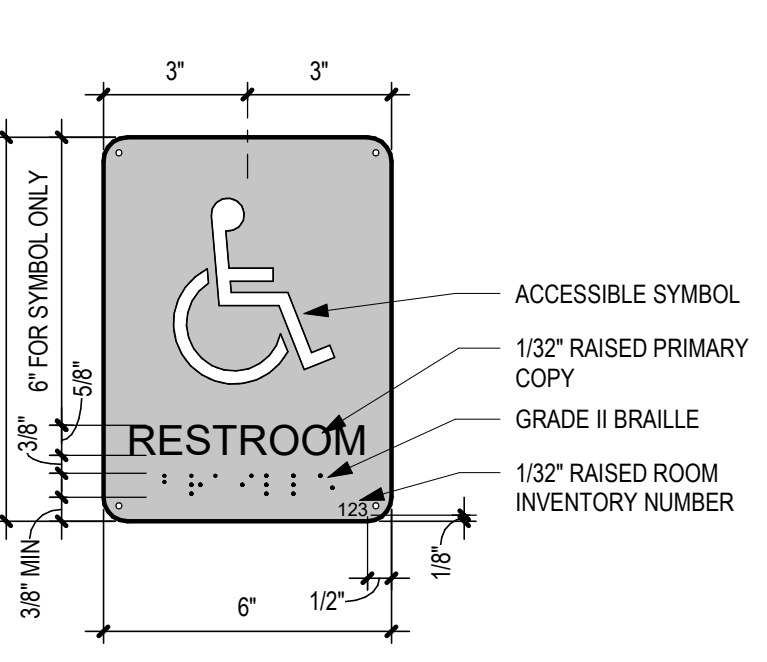
2 ADA SIGN AT DOOR
SCALE: 3" = 1'-0"

SIGN TYPE FEM

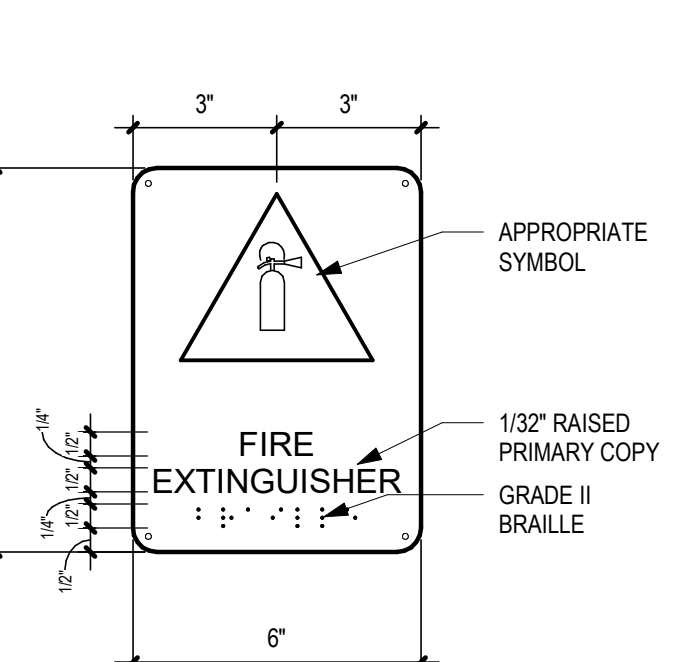


4 SIGNAGE ELEVATIONS
SCALE: 3" = 1'-0"

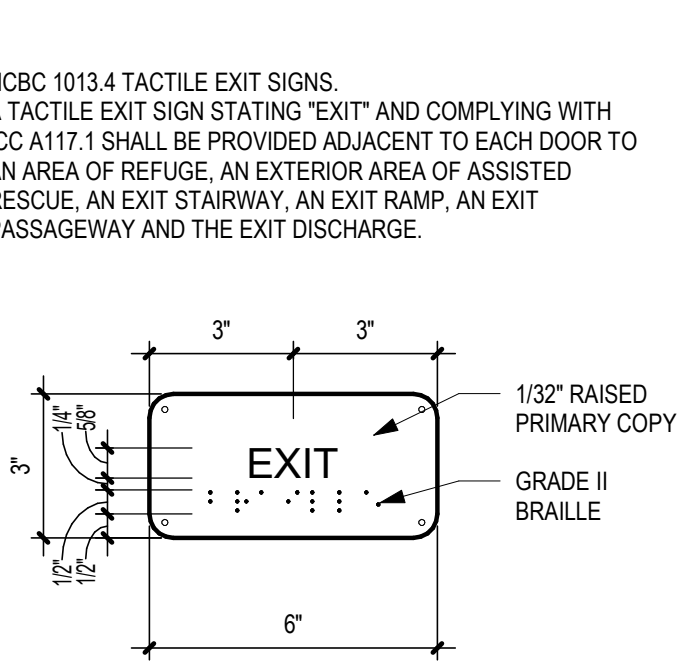
SIGN TYPE D



SIGN TYPE F



SIGN TYPE J



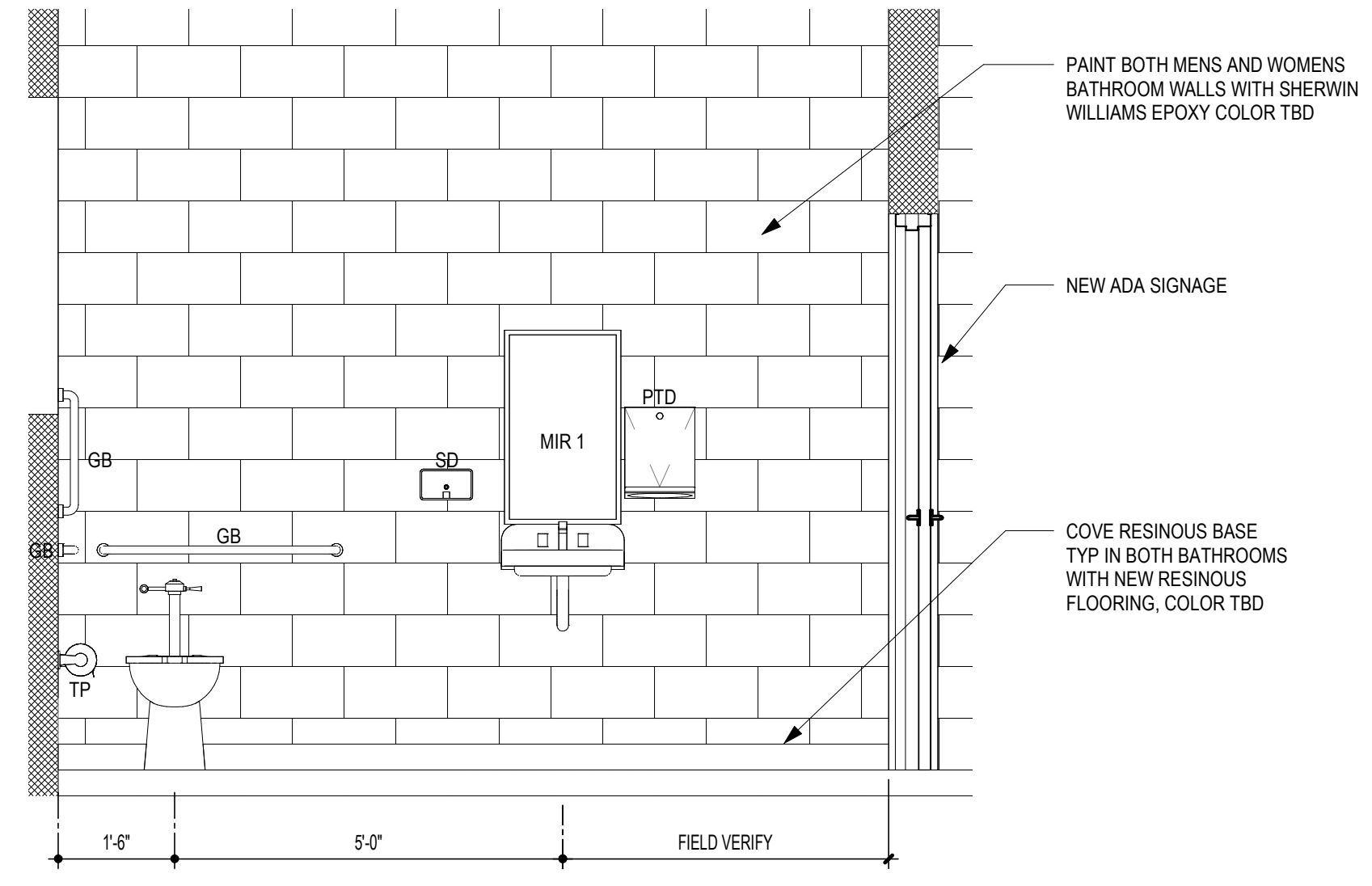
NCRC 1013.4 TACTILE EXIT SIGN: A TACTILE EXIT SIGN STATING "EXIT" AND COMPLYING WITH ICC A117.1 SHALL BE PROVIDED ADJACENT TO EACH DOOR TO AN AREA OF REFUGE, AN EXTERIOR AREA OF ASSISTED RESCUE, AN EXIT STAIRWAY, AN EXIT RAMP, AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE.

TOILET ACCESSORY LEGEND

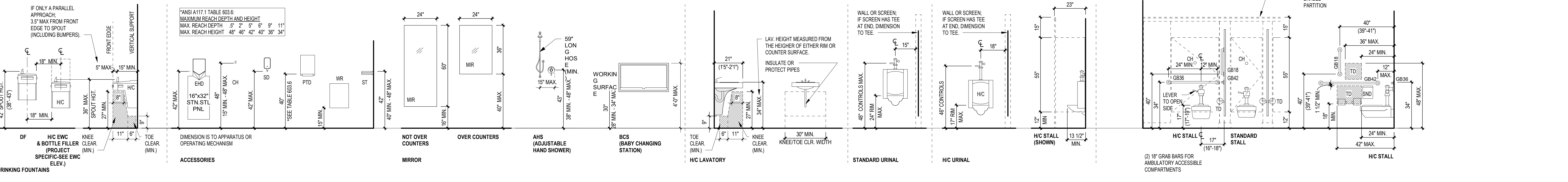
NAME	DESCRIPTION
CH	COAT HOOK
EHD	ELECTRIC HAND DRYER
FD	FLOOR DRAIN - SEE PLUMBING
GB	1 1/2" DIA SS GRAB BAR (GBA NOTED IN PLAN INDICATES LENGTH IN INCHES)
HIC	INDICATES TO MOUNT FIXTURE AT HANDICAPPED ACCESSIBLE HEIGHT
MR	SS FRAMED WALL MIRROR ATTACHED WITH CONCEALED FASTENERS
MR2	SS FRAMED WALL MIRROR ATTACHED WITH CONCEALED FASTENERS - 60"
PTD	PAPER TOWEL DISPENSER
SD	WALL MOUNTED GRAVITY FED SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL (WOMENS TOILET ROOMS ONLY)
TD	DBL ROLL TOILET TISSUE DISPENSER; 1 PER STALL IN GROUP TOILETS

GENERAL NOTES:

1. IF URINAL SCREEN = 1' > 24" DEEP: PROVIDE 3'-0" CLEAR FLOOR SPACE BETWEEN SCREEN FLOOR SUPPORTS.
2. ACCESSIBLE URINAL TO MAINTAIN 30" CLEAR FLOOR WIDTH; CONFIRM WIDTH IS CLEAR BETWEEN SCREEN FLOOR SUPPORTS.
3. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THE GRAB BAR SHALL BE PERMITTED TO BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA. (ANSI 117.1-2009 603.2.2)
4. LOCATE FLUSH CONTROL ON OPEN SIDE OF WATER CLOSET.
5. 30"x48" CLEAR FLOOR SPACE WITHIN ROOM per A117.1-2009 603.2.2.2
6. 60" DIAMETER CLEAR FLOOR SPACE per A117.1-2009 603.2.1
7. PTD MUST PROTRUDE 4" OR LESS INTO LAVATORY CLEAR SPACE.
8. 30"x48" FORWARD APPROACH CLEAR SPACE CENTERED ON ELEMENT.
9. 60"x60" CLEAR FLOOR SPACE MEASURED PERPENDICULAR TO ADJACENT SIDE AND REAR WALL OF THE ACCESSIBLE TOILET. (ANSI 117.1-2009 603.4.1-2)
10. DIMENSIONS TO GRAB BARS IS TO TOP OF GRAB SURFACE.
11. DIMENSIONS TO ACCESSORIES IS TO THE OPERABLE PORTION OF THE DEVICE.



3 TYP BATHROOM ELEVATION
SCALE: 1/2" = 1'-0"

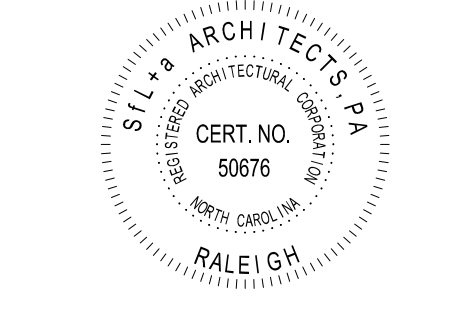
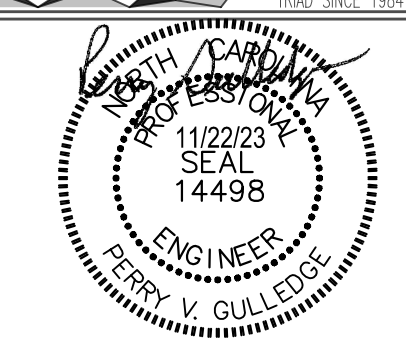
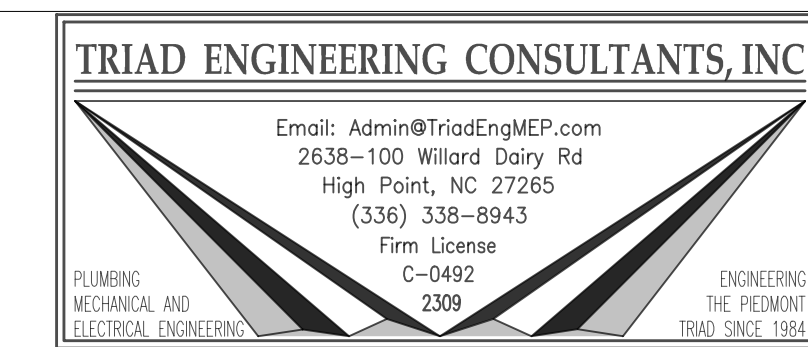


ACCESSIBLE + STANDARD FIXTURE MOUNTING HEIGHTS (ADULTS)
SCALE: 3/8" = 1'-0"

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**DOOR LEGEND,
SIGNAGE & TOILET
ACCESSORY
LEGEND**



PLUMBING FIXTURE SCHEDULE - SANDHILLS											
MARK	DESCRIPTION	FIXTURE		TRIM 1		TRIM 2		CONNECTION SIZES			
		MAKE (OR EQUAL)	MODEL #	MAKE (OR EQUAL)	MODEL #	MAKE (OR EQUAL)	MODEL #	WASTE	VENT	COLD WATER	HOT WATER
P-1A	WATER CLOSET FLOOR MOUNTED FLUSH VALVE SENSOR OPERATED BATTERY POWER	EQUAL TO AMERICAN STANDARD	"MADERA" 3641.001	AMERICAN STANDARD	5901.110TD HEAVY DUTY WHITE POLYPROPYLENE WITH EVERCLEAN SURFACE OPEN FRONT SEAT LESS COVER	SLOAN	ROYAL 113 SMO BATTERY SENSOR OPERATED FLUSH VALVE WITH PUSH BUTTON OVERRIDE GPF TO MATCH FIXTURE FLUSH RATE.	3"	2"	1"	-
P-2A	LAVATORY WALL MOUNTED CAST IRON ADA ACCESSIBLE	AMERICAN STANDARD	REGALYN 4895004 20x18	EQUAL TO SLOAN	EBF-650 BATT. SENSOR OPERATED FAUCET 0.5 GPM W/ GRID STRAINER		WHITE CAST IRON WALL MOUNTED SINK WITH FAUCET COMPATIBLE HOLE SPACING. PROVIDE CHROME PLATED BRASS SUPPLIES, STOPS AND P-TRAP. PROVIDE CHROME PLATED BRASS TAILPIECE OUTLET WITH GRID STRAINER, SUPPLY+DRAIN PIPE INSULATION KIT. INSTALL PER ADA.	1-1/2"	1-1/2"	1/2"	-

NOTES
 1. "A" DESIGNATES FIXTURE TO BE INSTALLED AT HANDICAPPED ACCESSIBLE ELEVATION.
 2. ROUGH-IN SIZES TO FIXTURES ARE TO BE AS SCHEDULED UNLESS LARGER SIZE SHOWN ON PLAN.
 3. OPERATING HANDLE FOR ACCESSIBLE WATER CLOSETS SHALL BE ON THE ACCESSIBLE (OPEN APPROACH) SIDE OF THE FIXTURE.
 4. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS.

PLUMBING LEGEND	
	COLD WATER PIPE BELOW GRADE
	COLD WATER PIPE (CW)
	HOT WATER PIPE (HW)
	HOT WATER RETURN PIPE (HWR)
	WASTE PIPE ABOVE GROUND
	WASTE PIPE BELOW GROUND
	VENT PIPE
	VENT THROUGH ROOF (VTR)
	FLOOR DRAIN (FD)
	GROUND CLEANOUT (GCO)
	PIPE DROP OR RISER
	RISER WITH SHUTOFF RISER
	SHUT-OFF VALVE
	HOSE BIBB (HB)

- ### PLUMBING CONSTRUCTION NOTES
- ALL WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT STATE BUILDING CODE AND LOCAL CODES AND ORDINANCES.
 - FIELD VERIFY EXISTING WASTE INVERTS ARE SUITABLE FOR CONNECTION OF NEW WASTE PIPING BEFORE BEGINNING INSTALLATION OF NEW WORK. CONTACT ENGINEER IF INVERT IS INADEQUATE.
 - ROD EXISTING SEWER LATERAL PIPING TO MANHOLE TO INSURE PIPE IS CLEAR OF CLOGS AND OBSTRUCTIONS.
 - PROVIDE ALL PENETRATIONS REQUIRED FOR NEW PIPING IN EXISTING CONSTRUCTION.
 - WATER PIPING ABOVE GRADE SHALL BE TYPE L HARD COPPER. JOINTS SHALL BE SOLDERED OR MECHANICAL PRESS FIT. SOLDERED JOINTS SHALL BE MADE WITH LEAD FREE SOLDER UP TO 1" PIPE SIZE AND WITH SILVER BRAZING SOLDER FOR PIPE SIZES 1-1/4" AND LARGER.
 - ABOVE GRADE COLD WATER AND INDIVIDUAL HOT WATER RUNOUT PIPING SHALL BE INSULATED WITH 1/2" THICKNESS PREFORMED FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET. HOT WATER MAINS AND RECIRCULATION PIPING SHALL BE INSULATED WITH 1" THICK PREFORMED FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET.
 - PROVIDE FOAMGLASS INSULATION INSERTS AND GALVANIZED STEEL PIPE SHIELDS AT PIPE SUPPORTS. SECURE PIPE SHIELDS TO PIPE WITH ZIP TIE.
 - LABEL INSULATED PIPING WITH PLASTIC LABELS ENCLICLING THE ENTIRE CIRCUMFERENCE OF THE INSULATION WITH LETTERING TO IDENTIFY SERVICE AND ARROWS INDICATING FLOW DIRECTION. SECURE TO PIPE INSULATION WITH BLACK ZIP-TIE. SPACE LABELS 12" ON CENTER AND WITHIN 6" OF PENETRATION OF WALLS, CEILINGS, FLOORS, ETC.
 - PROVIDE ONE-PIECE PIPE SLEEVES FOR PIPES PASSING THROUGH FLOORS OR WALLS. SLEEVE SHALL BE SECURED IN WALL CONSTRUCTION WITH STRAPS OR BRACKETS FOR FRAME WALL OR FLOOR CONSTRUCTION. SECURE SLEEVE WITH MORTAR OR GROUT FOR FOUNDATION WALL, MASONRY WALL OR CONCRETE FLOOR SLAB CONSTRUCTION. SLEEVE SHALL EXTEND MINIMUM OF 12" BEYOND FOUNDATION WALLS, 2" BEYOND ABOVE GRADE WALLS, AND 6" ABOVE FLOORS. SLEEVES SHALL BE SIZED TO PROVIDE CLEARANCE FOR PIPE INCLUDING INSULATION WHERE APPLICABLE. SEAL SPACE BETWEEN SLEEVE AND PIPE OR INSULATION WITH ELASTOMERIC SEALANT ABOVE GRADE OR WITH LINK SEAL COMPRESSION SEALS FOR FOUNDATION WALLS.
 - SANITARY AND VENT PIPING SHALL BE SOLID WALL SCHEDULE 40 ASTM D2065 PVC PIPING WITH SOLVENT WELDED DWV PATTERN PVC FITTINGS PROVIDED THE PIPING IS NOT EXPOSED IN ANY RETURN AIR PLENUMS AND THAT LOCAL AUTHORITIES APPROVE. USE CAST IRON WHERE EXPOSED IN PLENUMS OR COVER PVC PIPING WITH METHOD APPROVED BY LOCAL AHJ FOR SEPARATING PVC FROM PLENUM AIR.
 - SUPPORT ABOVE GRADE PIPING FROM BUILDING STRUCTURE USING ALL-THREAD ROD AND NESP STANDARD PIPING SUPPORTS OR TRAPEZE TYPE CROSS SUPPORTS. SUPPORT PIPING WITHIN 2' (EACH DIRECTION) OF ELBOWS AND SPACED NO FURTHER THAN 8' APART. DO NOT USE FABRIC SUPPORTS, PLASTIC OR STEEL STRAPPING OR STEEL WIRE TO SUPPORT PIPING.
 - BELOW GRADE PIPING SHALL BE LAID IN TRENCH ON SAND OR SOIL FREE OF ORGANIC MATERIAL, ROCKS WITH SHARP EDGES AND CONSTRUCTION DEBRIS. BACKFILL WITH SOIL AFTER PIPE IS COVERED IN 8" LIFTS AND COMPACT TO 95% PROCTOR MINIMUM.
 - WARRANTY ALL WORK FOR A MINIMUM OF 1 YEAR FROM DATE OF ACCEPTANCE BY OWNER.

BID SET

MOORE COUNTY SCHOOLS
SANDHILLS GYMNASIUM RENOVATION
 2201 FARM LIFE SCHOOL RD., CARTHAGE NC 27341

No.	Date	Description

ISSUE DATE: 11/22/23
 PROJECT #: 02206.100
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 CHECKED BY: PVG
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PLUMBING LEGEND,
 NOTES, SCHEDULES

List of Drawings Sandhills Farm Life	
SHEET	DESCRIPTION
P0.1	LEGEND, NOTES SCHEDULES
P1.0	DEMOLITION & RENOVATION PLAN

P0.1

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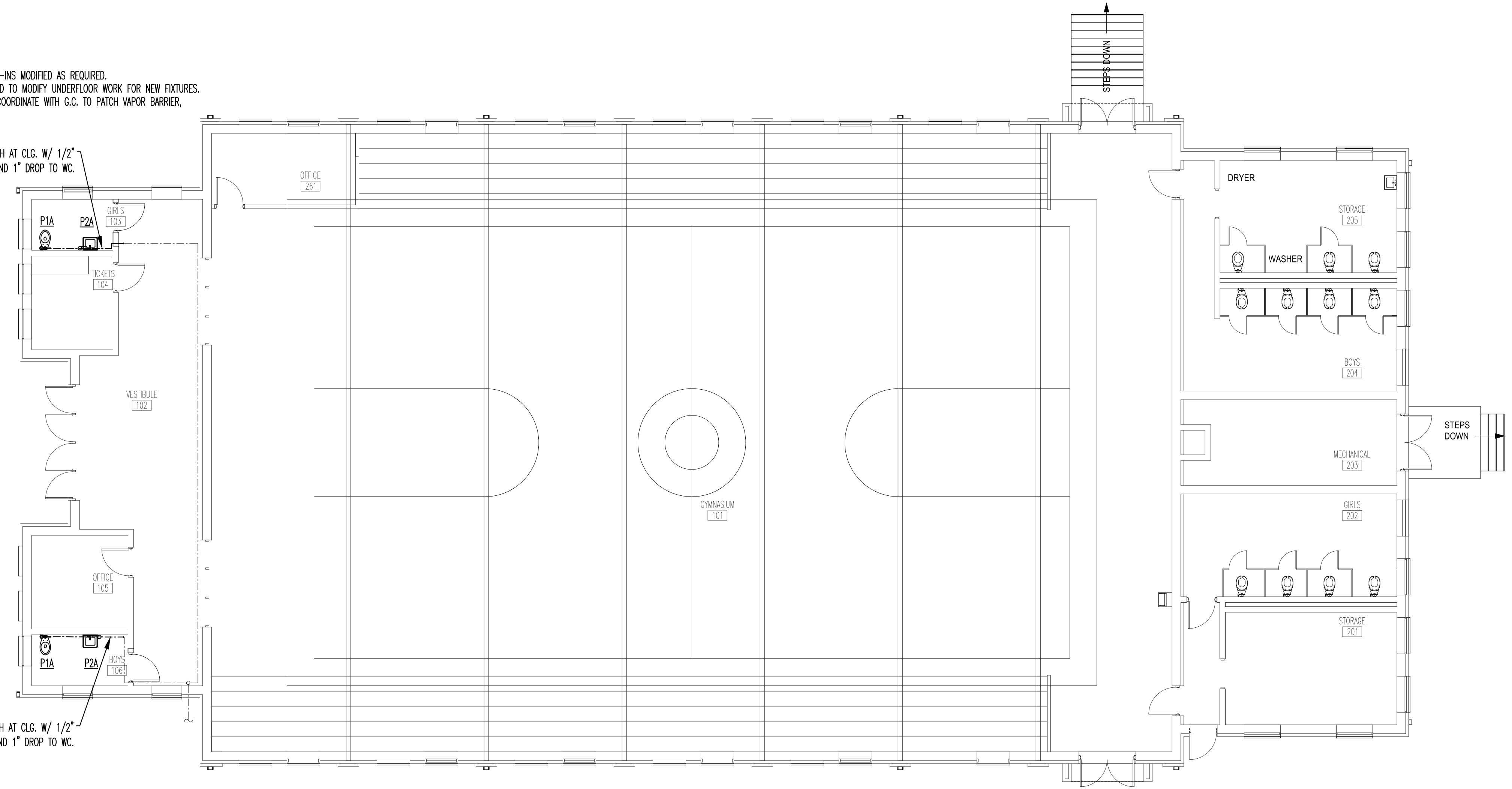
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- GENERAL PLUMBING NOTES:**
1. NEW FIXTURES TO USE EXIST. ROUGH-INS MODIFIED AS REQUIRED.
 2. CUT AND TRENCH FLOOR AS REQUIRED TO MODIFY UNDERFLOOR WORK FOR NEW FIXTURES. BACKFILL TO 95% COMPACTION AND COORDINATE WITH G.C. TO PATCH VAPOR BARRIER, FLOOR AND FINISH.

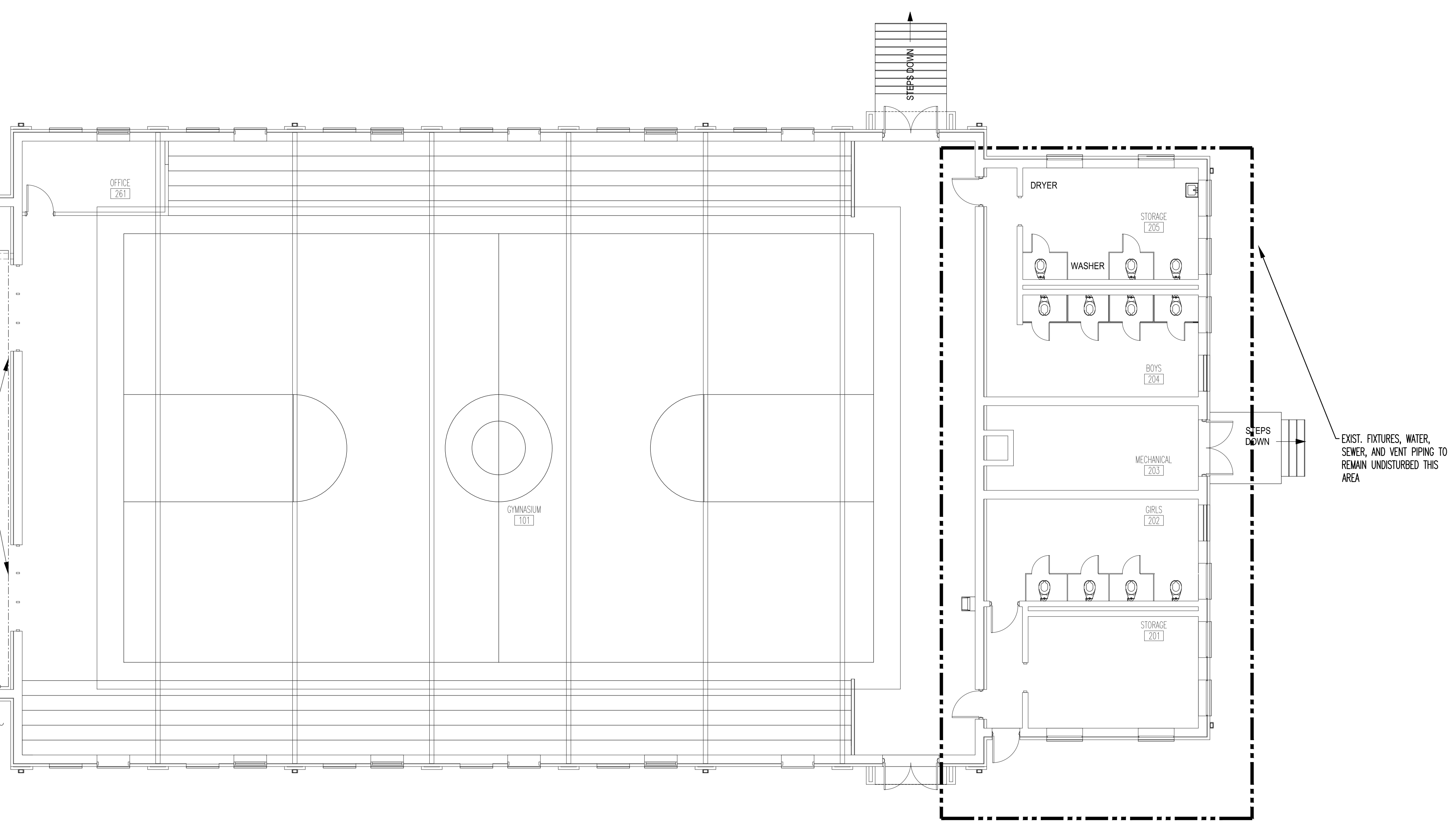
NEW 1" CW BRANCH AT CLG. W/ 1/2" DROP TO LAV AND 1" DROP TO WC.

NEW 1" CW BRANCH AT CLG. W/ 1/2" DROP TO LAV AND 1" DROP TO WC.



RENOVATION PLUMBING OVERALL PLAN
 2 P.L.O. SCALE: 1/8" = 1'-0"

- DEMO WATER BRANCH INDICATED AND DROPS TO ALL FIXTURES.
- DEMO FIXTURES, ROD SEWER LINE CLEAR FOR 100'. ADJUST WATER AND WASTE ROUGH-INS FOR NEW FIXTURES AND LOCATIONS. SEE RENOVATION PLAN.
- DEMO WATER SUPPLY FIRST ELBOW AT WALL AND DROPS TO ALL FIXTURES.
- EXIST. WATER SERVICE RISER WITH VALVE IN RISER - TO REMAIN.
- EXIST. CW WATER BRANCH AT CLG TO REMAIN.



PLUMBING DEMOLITION PLAN
 1 P.L.O. SCALE: 1/8" = 1'-0"

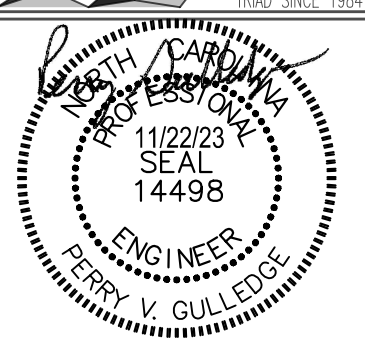
- GENERAL PLUMBING DEMOLITION NOTES:**
1. EXISTING WATER PIPING ABOVE AND BELOW FLOOR SLAB IS TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE.
 2. EXISTING WASTE AND VENT PIPING ABOVE AND BELOW GRADE IS TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE.
 3. ROOF EXISTING WASTE LINES CLEAR FROM THE MOST REMOTE ACCESS ON A BRANCH TO THE MAIN AND ROD THE MAIN CLEAR TO THE FIRST MANHOLE.
 4. EXISTING FIXTURES AND ASSOCIATED ROUGH-INS ARE TO REMAIN UNLESS INDICATED OTHERWISE.
 5. THE EXISTING ABOVE GRADE PVC ROOF DRAINAGE SYSTEM IS TO BE DEMOLISHED IN ITS ENTIRETY - THE ROOF DRAINS WILL NO LONGER BE NEEDED AFTER THE NEW ROOF IS INSTALLED UNDER THIS CONTRACT.
 6. THE ABANDONED ORIGINAL ROOF DRAINAGE SYSTEM IS TO REMAIN EXCEPT FOR THE DRAINS, CUT AS REQUIRED WHERE IN CONFLICT WITH NEW WORK. CAP ENDS OF ANY EXPOSED UNDERGROUND SECTIONS TO PREVENT STORM WATER OVERFLOW FROM PIPING.
 7. PATCH HOLES LEFT WHEN PIPING IS REMOVED FROM WALLS, FLOORS, CEILINGS, ETC. PATCH MATERIAL SHALL BE CONSISTENT WITH EXISTING CONSTRUCTION AND SUITABLE FOR APPLICATION OF FINAL FINISH.
 8. THE UNDERSLAB/UNDERGROUND ROOF DRAINAGE PIPING IS TO BE ABANDONED ONCE THE NEW ROOF IS INSTALLED. REMOVE ROOF DRAINS AND ACCESSIBLE PIPING AND CAP REMAINING PIPE ENDS.

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No.	Date	Description

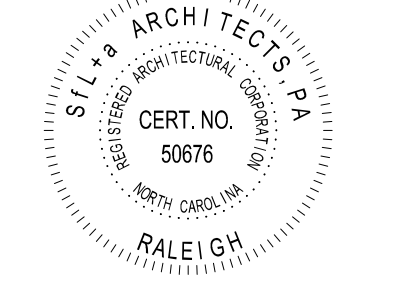
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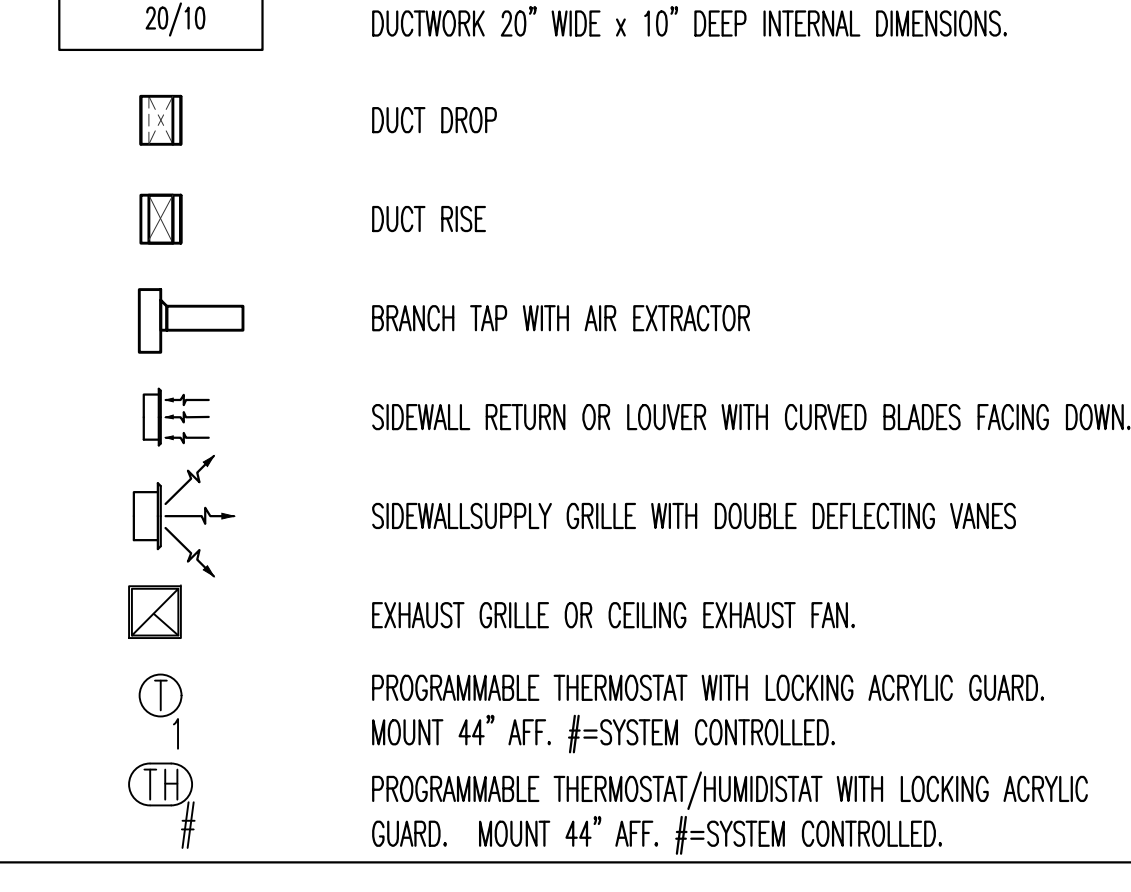
© 2023 SFL+A Architects, PA All Rights Reserved MECHANICAL LEGEND, NOTES, SCHEDULES

MO.1

GENERAL MECHANICAL NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STATE BUILDING CODE AND LOCAL CODES AND ORDINANCES. MATERIALS SHALL BE NEW UNLESS NOTED OTHERWISE.
2. OBTAIN AND PAY FOR ALL PERMITS, FEES, INSPECTIONS ETC. AS REQUIRED FOR WORK UNDER THIS CONTRACT.
3. SCHEDULE ALL REQUIRED INSPECTIONS WITH LOCAL AHJ AND FURNISH PERSONNEL AND ACCESS REQUIRED BY AHJ FOR INSPECTIONS. MAKE CORRECTIONS AS REQUIRED BY INSPECTIONS REPORTS.
4. NOTE THAT THE TERM "PROVIDE" WHEN USED IN THIS CONTRACT SHALL MEAN TO FURNISH TO THE SITE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS, START AND ADJUST AS REQUIRED FOR SAFE AND EFFICIENT OPERATION.
5. DUCTWORK SHALL BE C-40 GALVANIZED LOCK-FORMING AND PAINT GRADE STEEL FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST PUBLICATION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
6. PAINT EXPOSED DUCTS WITH 2 COATS PAINT TO MATCH EXISTING WALLS OR CEILINGS. NEW DUCTS ARE EXPOSED UNLESS NOTED OTHERWISE.
7. SUPPORT DUCT FROM THE STEEL BUILDING STRUCTURE WITH THREADED RODS AND ANGLE SUPPORTS. ROUND AND FLEX DUCTS MAY BE SUPPORTED WITH GALVANIZED STEEL STRAPS. DO NOT USE ANY FABRIC SUPPORTS FOR SUPPORTING DUCTS. NOTE THAT JOIST BRIDGING AND CROSS BRACING ARE NOT CONSIDERED AS BUILDING STEEL AND SHALL NOT BE USED TO SUPPORT DUCTS OR EQUIPMENT.
8. ELBOWS IN CONCEALED LOCATIONS AND UTILITY ROOMS SHALL BE RADIUS CONSTRUCTION WHEREVER POSSIBLE WITH A CENTERLINE RADIUS EQUAL TO THE WIDTH OF THE DUCT.
9. ELBOWS IN DUCT EXPOSED TO VIEW SHALL BE MITERED AND SHALL BE EQUIPPED WITH DOUBLE THICKNESS TURNING VANES.
10. FLEXIBLE DUCT SHALL BE UL LISTED HELICAL WIRE REINFORCED FLEX INSULATED WITH FIBERGLASS INSULATION AND METALLIZED VAPOR BARRIER JACKET. SECURE FLEX DUCTS TO DUCT TAPS AND COLLARS WITH DRAWBANDS OR SCREW-RATCHETED CLAMPS AND TAPE. LIMIT FLEX RUNS TO A MAXIMUM OF 6'.
11. INDOOR RECTANGULAR DUCTS SHALL BE INSULATED INTERNALLY WITH 1" THICKNESS 1.5 #/CF LOW VOC FIBERGLASS DUCT LINER SECURED TO DUCTS WITH STICK PINS AND LOW VOC ADHESIVE.
12. ROUND AND SPIRAL STEEL DUCTS SHALL BE INSULATED WITH 1-1/2" THICKNESS DUCT WRAP WITH VAPOR BARRIER. SEAL VAPOR BARRIER TO DUCTS AND TO FLEX DUCT VAPOR BARRIER.
13. DUCT DIMENSIONS LISTED ON THE PLANS ARE INTERNAL FREE DIMENSIONS. INCREASE DUCT SIZES DURING FABRICATION TO ALLOW FOR DUCT LINER WHERE APPLICABLE.
14. PROVIDE FLEXIBLE DUCT CONNECTORS AT DUCT CONNECTIONS TO ALL MOTORIZED EQUIPMENT.
15. COORDINATE WITH G.C. TO CUT OPENINGS IN BRICK WALLS FOR DUCT PENETRATIONS AND PROVIDE 5x3x1/4 STEEL ANGLE BOX LINELS AT EACH WYTHE OF MASONRY WALLS (FOR OPENINGS UP TO 4'-0" WIDE).
16. PROVIDE A THIRD PARTY AGENT TEST AND BALANCE FOR ALL NEW HVAC EQUIPMENT. FURNISH CERTIFIED TEST AND BALANCE REPORT LISTING MODEL AND SERIAL NUMBERS FOR EACH FAN, HEATING EQUIPMENT, COOLING EQUIPMENT, AIR HANDLING EQUIPMENT, MOTOR NAMEPLATE DATA, AND MOTOR PERFORMANCE CHARACTERISTICS. REPORT SHALL LIST DESIGN AND FINAL FLOWS FOR FANS AND AIR DISTRIBUTION, HEATING COIL PERFORMANCE, COOLING COIL PERFORMANCE AND SHALL LIST DESIGN VS FINAL SETTING VALUES FOR EACH.
17. WARRANTY ALL WORK, EQUIPMENT, AND MATERIALS (PARTS AND LABOR) FOR A MINIMUM OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. REFRIGERATION COMPRESSORS SHALL CARRY AN ADDITIONAL 4 YEAR (MINIMUM) PARTS WARRANTY.

MECHANICAL LEGEND



MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
Winter dry bulb: 14E
Summer dry bulb: 92E
Interior design conditions
Winter dry bulb: 70E
Summer dry bulb: 74E
Relative humidity: 50E
Building heating load: 300.3 MBH
Building cooling load: 450.0 MBH
Mechanical Space Conditioning System
Unitary
Description of unit: DX HEAT PUMP ELECTRIC COOLING UNITS
Heating efficiency: SEE SCHEDULE
Cooling efficiency: SEE SCHEDULE
Size category of unit: If oversized state reason: N/A
Cooling output of unit: SEE SCHEDULE
Boiler
Size category: If oversized state reason: N/A
Chiller
Size category: If oversized state reason: N/A
List equipment efficiencies: SEE SCHEDULE

AIR DISTRIBUTION SCHEDULE - SANDHILLS FARM LIFE table with columns: TAG, MANUFACTURER (OR EQUAL), MODEL, SERVICE, TYPE, MOUNTING, NECK SIZE, AIRFLOW RANGE (CFM), PANEL SIZE, REMARKS

ELECTRIC HEATER SCHEDULE - SANDHILLS FARM LIFE table with columns: TAG, MANUFACTURER (OR EQUAL), MODEL, TYPE, MOUNTING, FAN AIRFLOW, ELEMENT CAPACITY, VOLTAGE, UNIT CURRENT, MAX M.C.A., MAX M.O.C.P., REMARKS

FAN SCHEDULE - SANDHILLS FARM LIFE table with columns: TAG, SERVICE, AIRFLOW, EXTERNAL STATIC PRESSURE, MAKE (OR EQUAL), MODEL, DRIVE, FAN SPEED, MOTOR SPEED, MAX SOUND, MOTOR POWER, MOTOR HP OR WATTS, VOLTAGE, WEIGHT, REMARKS

PACKAGED EXTERIOR WALL MOUNTED DX HEAT PUMP/ELECTRIC HEATING UNIT SCHEDULE - SANDHILLS FARM LIFE table with columns: UNIT TAG, NOMINAL COOLING CAPACITY, MANUFACTURER (OR EQUAL), OUTDOOR UNIT, APPLICATION ORIENTATION, INDOOR AIRFLOW, EXTERNAL STATIC PRESSURE, MINIMUM OUTSIDE AIRFLOW, MAXIMUM OUTSIDE AIRFLOW, DRY BULB TEMP, WET BULB TEMP, NET COOLING CAPACITY, MINIMUM COOLING EFFICIENCY, COMP. QTY, COOLING CAPACITY LOADING, HEATING CAPACITY, MINIMUM HEATING EFFICIENCY, HEATING CAPACITY, MINIMUM HEATING EFFICIENCY, FAN MOTOR, DRIVE TYPE, STRIP HEAT, STRIP HEAT STAGES, UNIT VOLTAGE, MAX M.C.A., MAX M.O.C.P., MAX WEIGHT, REMARKS

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PLUMBING
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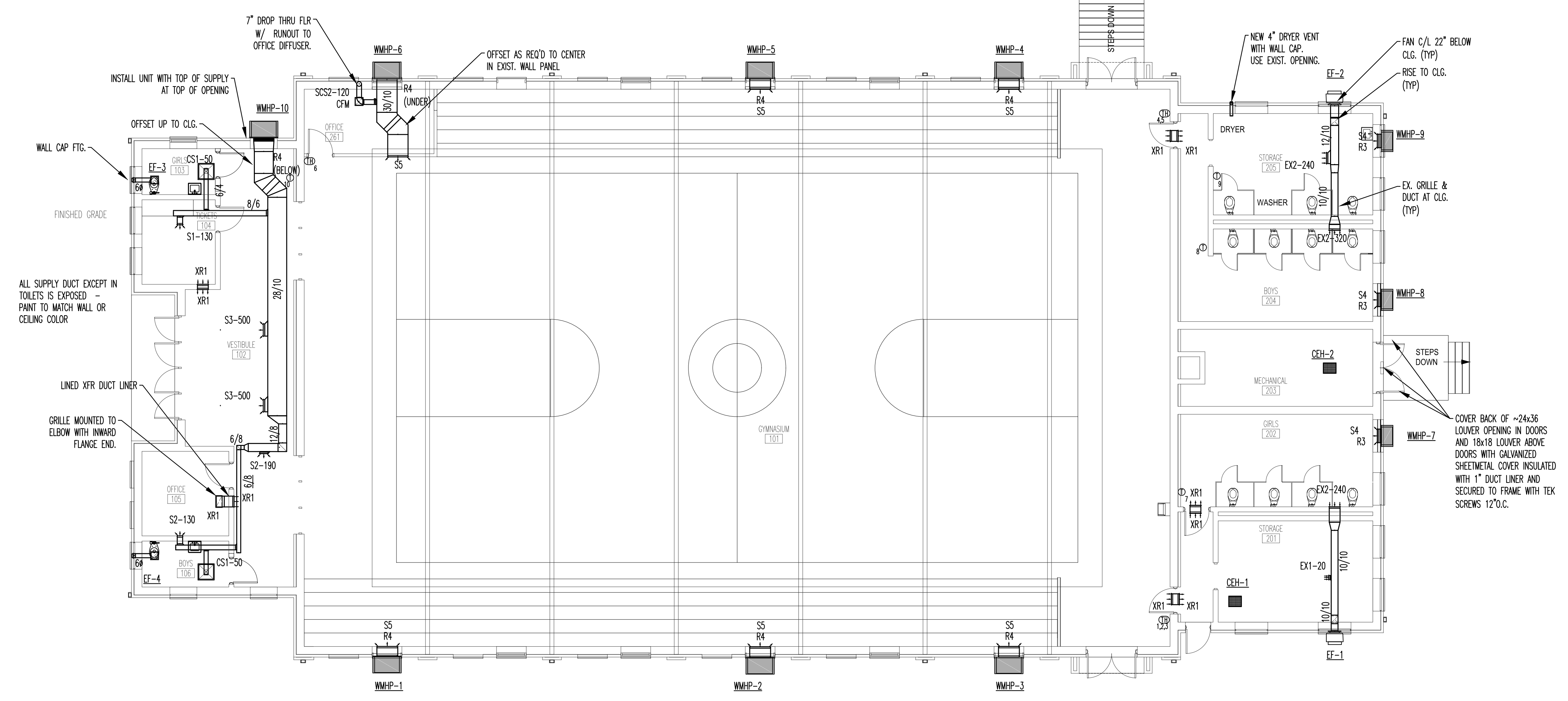
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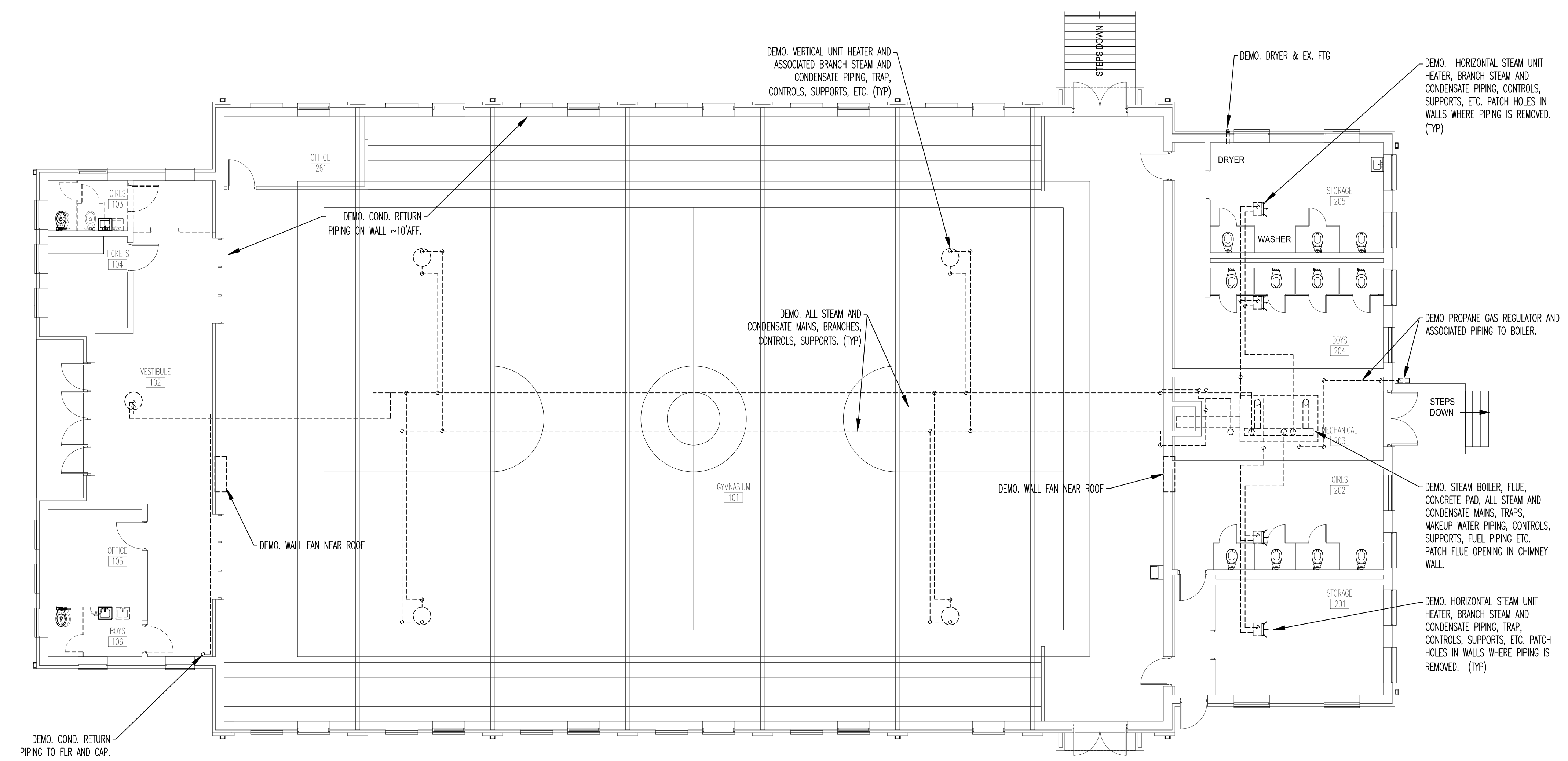
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MECHANICAL HVAC RENOVATION PLAN
 2
 M1.0 SCALE: 1/8" = 1'-0"



MECHANICAL DEMOLITION PLAN
 1
 M1.0 SCALE: 1/8" = 1'-0"

- PLAN DEMOLITION NOTES:**
- PROTECT GYM FLOOR FROM DAMAGE DURING THE DEMOLITION AND RENOVATION ACTIVITIES. PROVIDE ROBIN PAPER COVER OVER THE FLOOR SURFACE AND 3/4" PLYWOOD OR MDF BOARD TO DISTRIBUTE LOADING FROM ANY LIFT TRAFFIC NEEDED FOR THE WORK.
 - DEMO EQUIPMENT INDICATED AND ALL ASSOCIATED CONCRETE PADS, SUPPORTS, CONTROLS, ATTACHMENTS ETC.
 - DEMO ACCESSIBLE STEAM AND COND. PIPING AND ASSOCIATED SUPPORTS. PIPING WITHIN WALLS THAT REMAIN AND UNDERGROUND OR UNDER-SLAB ARE TO REMAIN UNLESS NOTED OTHERWISE. CUT PIPES AND PLUG BELOW WALL OR FLOOR SURFACE.
 - PATCH HOLES IN WALLS, FLOORS AND CEILINGS WHERE PIPES ARE REMOVED. PATCH WITH MATERIAL SUITABLE TO REMAIN AND UNDERGROUND OR UNDER-SLAB ARE TO REMAIN UNLESS NOTED OTHERWISE. FINISH APPLICATION.
 - STEAM HEADER IS 6"
 - STEAM MAINS ARE 4" MAX.
 - COND. MAINS ARE 2" MAX.

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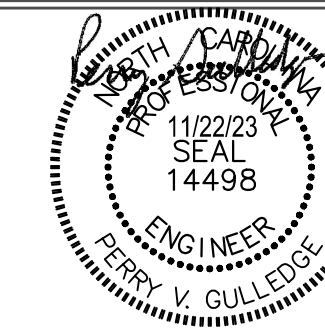
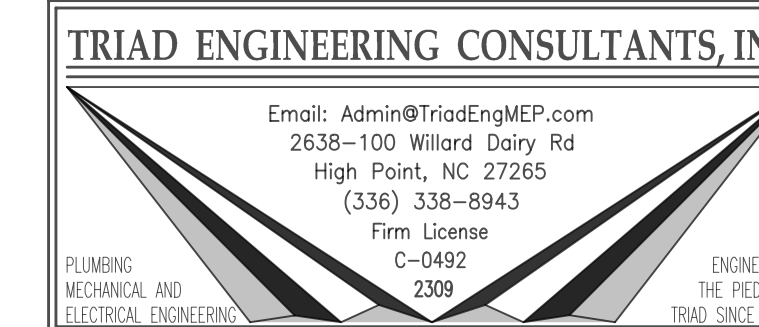
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MECHANICAL DEMOLITION & RENOVATION PLANS

M1.0



GENERAL ELECTRICAL NOTES

- ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WITH STATE AND LOCAL REVISIONS AND ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES.
- ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.
- GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY OWNER.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND U.L. LISTED UNLESS SPECIFICALLY NOTED OTHERWISE.
- NOTE THAT THE TERM "PROVIDE" WHEN USED IN THESE DRAWINGS SHALL MEAN TO FURNISH, TRANSPORT TO THE SITE, INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS AND ADJUST FOR SAFE AND EFFICIENT OPERATION.
- VERIFY EXISTING WIRING CONTINUITY AND NEUTRAL ISOLATION WHEN WIRING NEW DEVICES TO EXISTING WIRING.
- COORDINATE WITH C.C. FOR SURFACE RACEWAY FINISH. UNLESS NOTED OTHERWISE, PAINT SURFACE RACEWAY TO MATCH WALL OR CEILING TO WHICH IT IS ATTACHED.
- GENERAL BUILDING WIRING SHALL BE COPPER CONDUCTORS, THHN/THWN INSULATION RATED AT NOT LESS THAN 600 VOLTS. MINIMUM WIRE SIZE IS #12 AWG THHN. CONDUCTORS #6 AND LARGER SHALL BE STRANDED. SIZES #12 THRU #8 SHALL BE SOLID. WIRING TO EQUIPMENT SHALL BE AS REQUIRED BY U.L. LABEL. INSULATION COLOR SHALL BE COLOR CODED BASED ON THE SERVICE VOLTAGE.
- GENERAL BUILDING WIRING SHALL ONE OF THE FOLLOWING METHODS IN COMPLIANCE WITH NEC REQUIREMENTS: INDIVIDUAL CONDUCTORS INSTALLED IN CONDUIT - FOR ALL FEEDERS, BRANCH CIRCUITS, SWITCHING, RECEPTACLES ETC.
 - MC CABLE WITH COPPER CONDUCTORS, ALUMINUM ARMOR, SEPARATE GROUND WIRE FOR LIGHT FIXTURE WHIPS AND EQUIPMENT CONNECTIONS ONLY. DO NOT USE MC CABLE FOR FEEDERS, BRANCH CIRCUITS, RECEPTACLES OR SWITCHLEG WIRING.
- TERMINALS, SPlicing CONNECTORS, LUGS, ETC. FOR CONNECTING CONDUCTORS SHALL BE LISTED FOR USE WITH THE TYPE OF CONDUCTOR CONNECTED AND SHALL BE PROPERLY INSTALLED.
- NEATLY ROUTE AND TRAIN CONDUCTORS IN PANEL ENCLOSURES AND SECURE BUNDLES OF CONDUCTORS WITH PLASTIC ZIP TIES. CONDUCTOR LEGS RUNOUTS TO BREAKER TERMINALS SHALL RUN HORIZONTAL TO A 90 DEGREE BEND AT THE BUNDLE AND SHALL BE LABELED.
- CONDUIT SHALL BE INSTALLED WITH LISTED FITTINGS, SUPPORTS, ATTACHMENTS, STRAPS AND/OR CLAMPS. RUN CONDUIT PARALLEL OR PERPENDICULAR TO BUILDING WALLS. PROVIDE SEPARATE SUPPORT SYSTEM FOR CONDUIT.
- USE EMT CONDUIT INDOORS FOR SIZES 1/2" THRU 4". USE COMPRESSION GLAND FITTINGS AND COUPLINGS.
- USE RMC OR IMC FOR EXPOSED OUTDOOR APPLICATIONS. USE THREADED FITTINGS AND COUPLINGS.
- USE SCHEDULE 40 PVC BELOW GRADE OR FLOOR SLAB EXCEPT FIRST ELBOW WHICH SHALL BE RMC. SOLVENT WELD ALL FITTINGS AND COUPLINGS AND ADAPTERS. PROVIDE ADAPTERS TO TRANSITION TO METAL CONDUIT.
- USE IMC OR RMC WHERE OTHERWISE REQUIRED BY CODE OR WHERE SUBJECT TO PHYSICAL DAMAGE. USE IMC OR RMC FOR CONDUIT INSTALLED IN HAZARDOUS AREAS. USE IMC OR RMC ELBOWS WHERE TRANSITIONING FROM BELOW GRADE TO ABOVE GRADE.
- LABEL DEVICES AND EQUIPMENT. PROVIDE AN EMBOSSED ADHESIVE TAPE LABEL ON EACH RECEPTACLE, LIGHT SWITCH, EMERGENCY EGRESS LIGHTING FIXTURE, EXIT LIGHTING FIXTURE, CONTROL DEVICE STATION, AND OTHER MISCELLANEOUS ITEMS. INDICATE PANELBOARD AND CIRCUIT NUMBER ON THE LABEL TO READILY IDENTIFY WHERE THE DEVICE IS SERVED FROM. LABELS FOR LIGHT SWITCHES SHALL BE PLACED ON THE BACK OF THE COVERPLATE. THE LETTERING SHALL BE 3/16" WHITE LETTERS ON BLACK BACKGROUND OR BLACK LETTERS ON CLEAR BACKGROUND.
- LABEL INDIVIDUAL CONDUCTORS IN PANELBOARD, SWITCHBOARDS, JUNCTION BOXES, DEVICE BOXES, ETC. WITH WIRE MARKERS IDENTIFYING THE CIRCUIT POSITION NUMBER TO WHICH THE CONDUCTOR IS CONNECTED.
- FINAL LABELING FOR PANEL DIRECTORIES SHALL BE PER THE FINAL ROOM NUMBERS OR NAMES. THE PANEL DIRECTORIES SHALL BE TYPED.
- A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH ARTICLE 250 OF THE CURRENT NEC SHALL BE INSTALLED (OR VERIFIED IF AN EXISTING SYSTEM), AND AS SHOWN ON THE DRAWINGS.
- PROVIDE ALL CUTTING AND PATCHING OF WALLS AND FLOORS AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT.
- PROVIDE NYLON PULL WIRE IN ALL EMPTY CONDUITS.
- PROTECT ALL ELECTRICAL EQUIPMENT FROM ENTRY OF FOREIGN MATERIAL SUCH AS PAINT, SPACKLE, FIREPROOFING, ETC. DURING CONSTRUCTION. REPLACE ALL EQUIPMENT THAT IS CONTAMINATED BY OVERSPRAY OF PAINT, SPACKLE, FIREPROOFING, ETC.

WIRING DEVICE NOTES

- WIRING DEVICES SHALL BE EQUAL TO P & S, LEVITON, OR HUBBELL. CATALOG NUMBERS BELOW ARE FOR P&S DEVICES. SUBSTITUTE COLOR CODE FOR "X" EXCEPT WHERE (WHITE) IS INDICATED FOLLOWING THE MODEL #. DEVICE COLOR FOR THIS PROJECT SHALL BE BLACK.

3-WAY 20A	CS20A03-X
4-WAY 20A	CS20A04-X
MOTOR STARTER SWITCH	SQUARE D TYPE "K" SERIES
- RECEPTACLES SHALL BE CONSTRUCTED WITH NYLON FACE, SIDE-WHITE SCREW TERMINALS WITH BRASS STRAP, BRASS BLADE CONTACTS, BRASS PRESSURE PLATE, BRASS TERMINAL SCREWS, AND GREEN COLORED BRASS GROUND HEX HEAD SCREW. FACE IS RESTRAINED TO BODY BY TABS ON STRAP. GFCI RECEPTACLE SHALL INCLUDE A TRIP INDICATOR LIGHT. RECEPTACLES SHALL BE HEAVY-DUTY HARD USE SPECIFICATION GRADE AS FOLLOWS:

20A DUPLEX	PSS362X
20A DUPLEX-GFCI	20B7TRW (WHITE)
20A DUPLEX-WEATHER RESISTANT GFCI	20B7TRW (WHITE)
- COVERPLATES FOR RECESS MOUNTED DEVICES SHALL BE OVERSIZED STAINLESS STEEL SS4X OR AS DIRECTED BY ARCHITECT.
- COVERPLATES FOR SURFACE MOUNTED DEVICES IN UTILITY LOCATIONS SHALL BE GALVANIZED STEEL.
- OUTLET BOXES SHALL NOT BE MOUNTED BACK TO BACK. OFFSET 24" MINIMUM IN FIRE RATED WALL CONSTRUCTION.
- RECEPTACLES SHALL BE 20A UNLESS A 15A DEVICE IS REQUIRED BY EQUIPMENT SERVED.
- WEATHERPROOF IN USE COVERS SHALL BE CLEAR EQUAL TO LEVITON. FOR HORIZONTAL MOUNT COVERS USE PART NO. "5997-CL". FOR VERTICAL MOUNT COVERS USE PART NO. "5977-CL".
- ALL BOXES (INCLUDING EMPTY, TELEPHONE, AND DATA) SHALL HAVE COVERPLATES INSTALLED.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	LINEAR LIGHT FIXTURE - LETTER INDICATES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	CIRCULAR LIGHT FIXTURE - FIRST LETTER INDICATES FIXTURE TYPE. "E" INDICATES EMERGENCY LIGHTING FUNCTION WITH BATTERY BACKUP. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	Denotes lighting fixture to be used as a NIGHTLIGHT. FIXTURE SHALL BE CONNECTED UNMOTDED TO THE LOCAL LIGHTING CIRCUIT OR DEDICATED EGRESS LIGHTING CIRCUIT.
	UNIVERSAL MOUNT EMERGENCY EXIT FIXTURE (SHADING INDICATES FACES). ARROW INDICATES DIRECTIONAL ARROWS REQUIRED. MOUNT TO CEILING AT LOCATION INDICATED. MOUNT TO WALL IF CEILING IS HIGHER THAN 12'-0". PROVIDE WIRE GUARD COVER ANCHORED TO WALL. CIRCUIT TO LOCAL LIGHTING CIRCUIT AHEAD OF ALL SWITCHING.
	EMERGENCY EGRESS LIGHTING UNIT WITH 90 MINUTE BATTERY POWERED BACKUP AND DUAL LED HEADS. MOUNT 7'6" AFF UNLESS NOTED OTHERWISE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS. PROVIDE WIRE GUARD COVER ANCHORED TO WALL.
	WALL MOUNTED EXTERIOR LIGHT FIXTURE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS. MOUNT 12" AFF UNLESS NOTED OTHERWISE.
	EXTERIOR EMERGENCY EGRESS LIGHTING UNIT WITH 90 MINUTE BATTERY POWERED BACKUP. MOUNT CENTERED ABOVE DOOR UNLESS NOTED OTHERWISE. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	SURFACE MOUNTED PANELBOARD
	JUNCTION BOX SIZED PER N.E.C. REQUIREMENTS. "WP" INDICATES WEATHERPROOF.
	WIRING AND RACEWAY CONCEALED IN WALLS AND/OR ABOVE CEILING
	SWITCH LEG WIRING AND RACEWAY CONCEALED IN WALLS AND/OR ABOVE CEILING
	WIRING AND RACEWAY CONCEALED IN/UNDER FLOOR OR UNDERGROUND
	INDICATES CONDUIT TURNED DOWN TO FLOOR BELOW
	INDICATES CONDUIT TURNED UP TO FLOOR ABOVE
	CIRCUIT HOMERUN WITH PANEL DESIGNATION AND CIRCUIT NUMBER
	120, 208, 277, OR 480 VOLT MOTOR AS NOTED ON PLANS
	HEAVY DUTY LOCKABLE DISCONNECT SWITCH - FUSED OR NON-FUSED AS INDICATED - BY E.C. VOLTAGE/POLARITY/AMPERAGE/NAME RATING/FUSE CONDITION. FUSE CONDITION AS FOLLOWS: NF-(NON-FUSED), FPM-(FUSE PER EQUIPMENT NAMEPLATE), XXXAFI- FUSED WITH XXX AMP FUSES. FURNISH WITH GROUND BAR. FURNISH WITH SOLID NEUTRAL WHEN A NEUTRAL CONDUCTOR IS INCLUDED IN THE CIRCUIT OR FEEDER.
	COMBINATION STARTER AND FUSED DISCONNECT SWITCH - BY E.C. UNLESS NOTED OTHERWISE
	SINGLE POLE SWITCH - 20A - 120/277V - MOUNT 44" A.F.F. "3" INDICATES 3-WAY SWITCHING, "D" INDICATES DIMMING FUNCTION, "OS" INDICATES OCCUPANCY SENSOR FUNCTION.
	2-POLE OR 3-POLE MANUAL MOTOR STARTER. PROVIDE WITH OVERLOAD PROTECTION.
	STANDARD 20A OUTLET - NEW 5-20R DUPLEX. MOUNT 16" A.F.F. UNLESS NOTED OTHERWISE. "C" DENOTES GFCI NON-FEED THRU TYPE, "EMC" DENOTES GFCI OUTLET FOR ELECTRICAL WATER COOLER - COORDINATE LOCATION WITH PLUMBING CONTRACTOR. "WP" DENOTES WEATHERPROOF IN USE. NEW 5-20R DUPLEX. "ACT" DENOTES MOUNTED ABOVE COUNTER TOP OR BACKSPLASH. "TR" DENOTES TAMPER RESISTANT.
	GROUNDING FOR SERVICE OR SEPARATELY DERIVED SYSTEM PER N.E.C.
	INDICATES CONDUIT STUBBED OUT INTO SPACE - PROVIDE CONDUIT BUSHING
	DATA OUTLET BOX WITH MODULAR COVER PLATE AND 1" CONDUIT TO DATA SERVICE ENTRANCE BOARD. PROVIDE BUSHING ON OPEN END AND (2)CAT 5e CABLES WITH 5' COIL AT EACH END.

LIGHTING FIXTURE SCHEDULE - SANDHILLS FARM LIFE

MARK	MANUFACTURER (OR EQUAL)	MODEL NUMBER	LAMP'S			FIXTURE WATTS	VOLTAGE	MOUNTING	REMARKS
			QTY	TYPE	WATTS				
B3	LITHONIA	2GT14 30L A19 EZ1 LP840 BAA	1	3,000 LUMEN, 4000K LED	23.3	23.3	120	SURFACE	2x4 LED GENERAL PURPOSE TROFFER FIXTURE WITH 0.156" THICK ACRYLIC PRISMATIC LENS.
EM	LITHONIA	ELMBL UVOLT LTP SDRT	2	LED 1100 LUMEN/10.6W LAMPS	21.2	3.7	MVOLT	UNIVERSAL MOUNT	LED EMERGENCY EGRESS FIXTURE WHITE HOUSING WITH DUAL LED LIGHTING HEADS, SELF-DIAGNOSTICS. MOUNT 7'6" AFF. CONNECT TO UNSWITCHED CONDUCTOR ON THE LOCAL LIGHTING CIRCUIT. INSTALL SALVAGED WIRE GUARD OVER FIXTURES IN GYM. NOTE 2.
EX2	LITHONIA	LHQM LED R SD BAA	2	LED	2	2	120/277	UNIVERSAL MOUNT	LED EMERGENCY EXIT WITH DUAL EMERGENCY LIGHT HEADS. WHITE PLASTIC WITH RED LETTERS. NUMBER OF FACES AND DIRECTIONAL ARROWS AS REQUIRED. MOUNT ABOVE DOOR FRAME OR AS INDICATED. CONNECT TO UNSWITCHED CONDUCTOR ON THE LOCAL LIGHTING CIRCUIT. INSTALL SALVAGED WIRE GUARD OVER FIXTURES IN GYM. NOTE 2.

- NOTES:
- OR EQUAL FIXTURES BY COOPER, COLUMBIA, GE, OR HUBBELL.
 - BATTERY BACKUP SHALL PROVIDE A MINIMUM OF 90 MINUTES BACKUP OPERATION ON FAILURE OF NORMAL
 - PROVIDE ACCESSORIES AS REQUIRED FOR MOUNTING CONDITIONS

List of Drawings Sandhills Farm Life

SHEET	DESCRIPTION
E0.1	LEGEND, NOTES SCHEDULES
E1.0	DEMOLITION PLAN
E1.1	RENOVATION PLAN
E6.1	PANEL SCHEDULES AND RISER DIAGRAM

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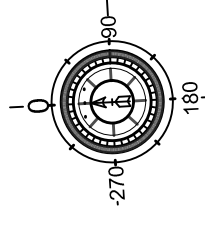
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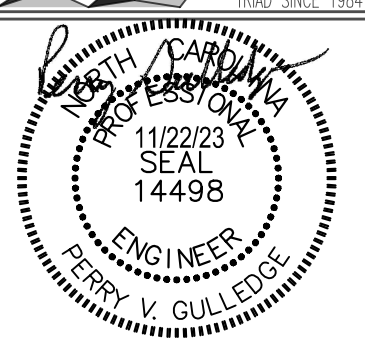
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ELECTRICAL LEGEND,
 NOTES, SCHEDULES

E0.1

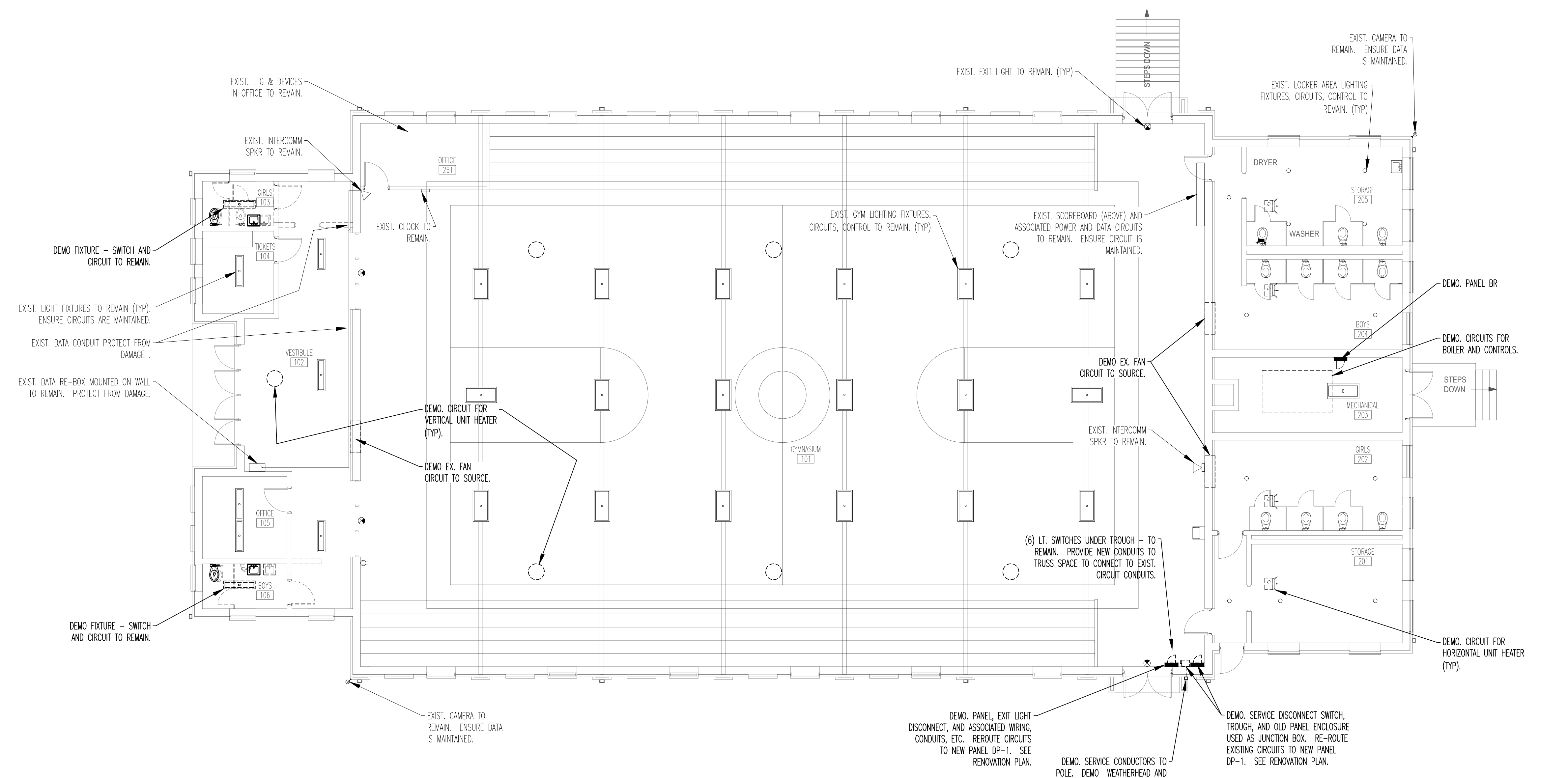
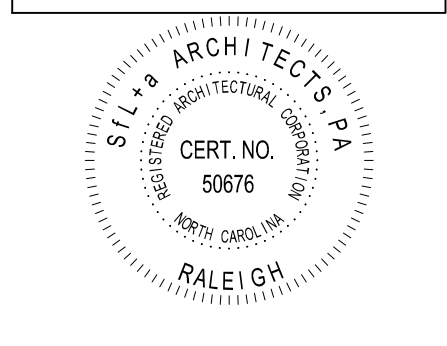


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ELECTRICAL DEMOLITION PLAN
 1
 E1.0 SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES:**
- PROTECT GYM FLOOR FROM DAMAGE DURING THE DEMOLITION AND RENOVATION ACTIVITIES. PROVIDE ROBIN PAPER COVER OVER THE FLOOR SURFACE AND 3/4" PLYWOOD OR MDF BOARD TO DISTRIBUTE LOADING FROM LIFT TRAFFIC NEEDED FOR THE WORK.
 - DEMO CIRCUITS FOR EQUIPMENT THAT IS TO BE REMOVED. REMOVE CIRCUITS TO SOURCE.
 - DEMO LIGHT FIXTURES INDICATED. EXISTING CIRCUITS ARE TO BE RE-USED UNLESS INDICATED OTHERWISE.
 - DEMO ALL DEVICES AND CIRCUITS IN WALLS THAT ARE TO BE DEMOLISHED.
 - PATCH HOLES IN WALLS, CEILING, ETC. WHERE CONDUITS OR DEVICES ARE REMOVED. PATCH WITH MATERIAL SUITABLE WITH EXISTING CONSTRUCTION AND READY FOR APPLICATION OF FINAL FINISH.
 - SURFACE RECEPTACLES AND RACEWAYS AND THEIR ASSOCIATED CIRCUITS THAT HAVE BEEN ADDED SINCE ORIGINAL CONSTRUCTION SHALL REMAIN.
 - DEMO DEVICES IN WALLS THAT ARE TO BE DEMOLISHED OR IN CONFLICT WITH NEW WORK.
 - ENSURE CONTINUITY IS MAINTAINED FOR CIRCUITS THAT REMAIN IN THE EVENT CIRCUITS ARE INTERRUPTED BY DEMOLITION OF WALLS, OR FEED-THRU DEVICES, PROVIDE #12 CONDUCTORS AND GROUND IN 1/2" CONDUIT AS REQUIRED TO RESTORE CIRCUIT CONTINUITY.
 - EXISTING CAMERAS, SPEAKER, ETC ON INTERIOR AND EXTERIOR WALLS OF GYM BUILDING ARE TO REMAIN. PROTECT FROM DAMAGE AND ENSURE CABLE IS MAINTAINED TO DEVICES.

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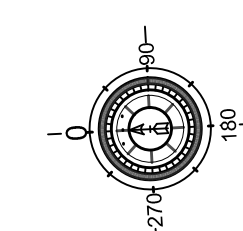
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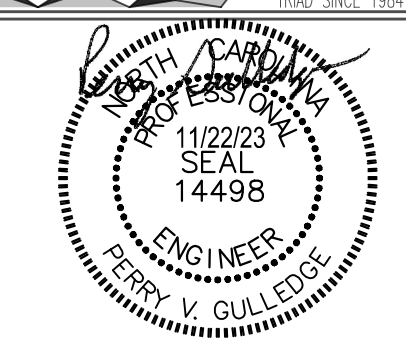
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ELECTRICAL DEMOLITION PLAN

E1.0



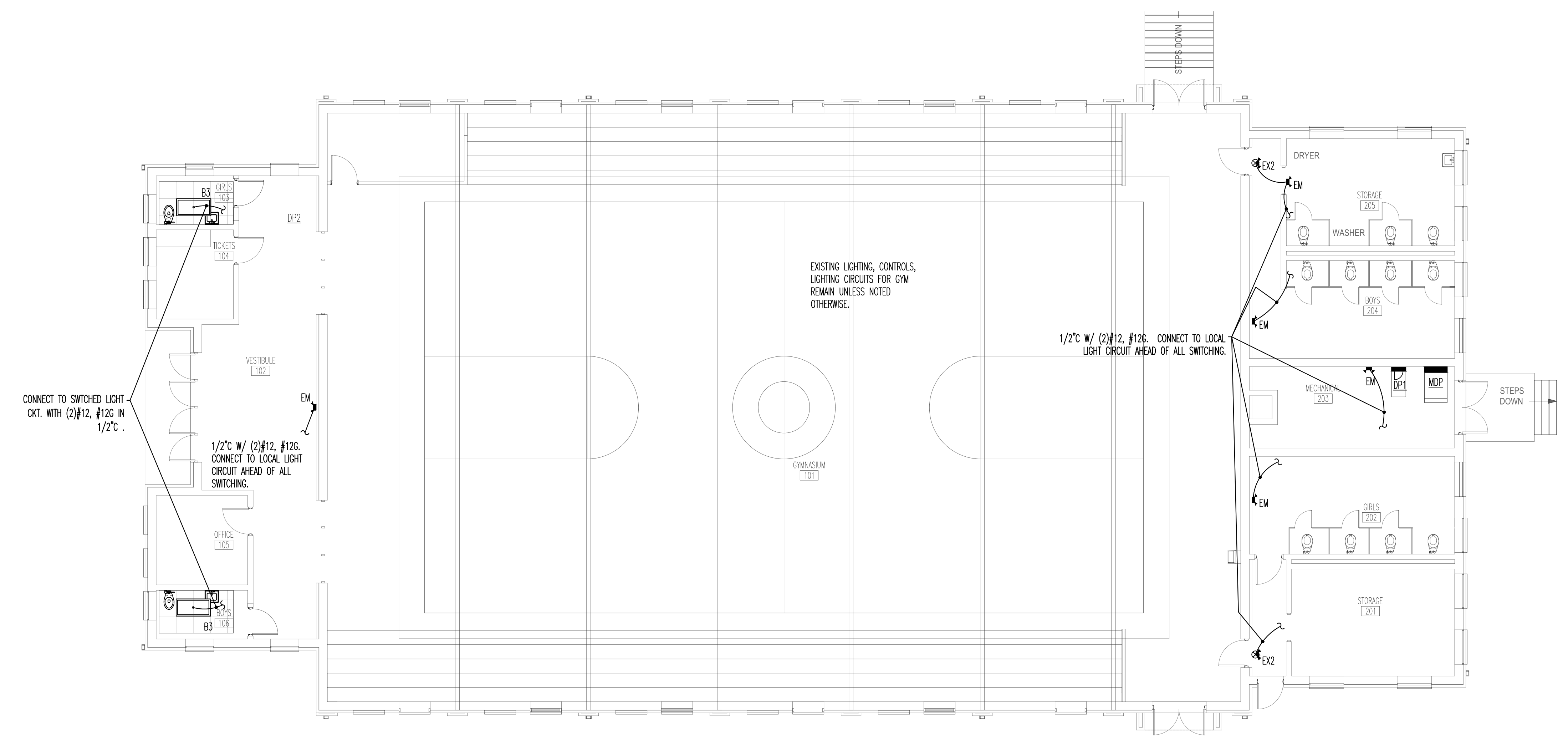
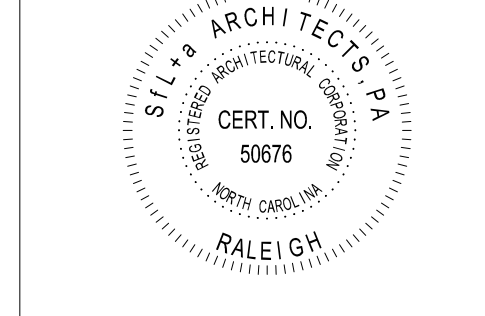
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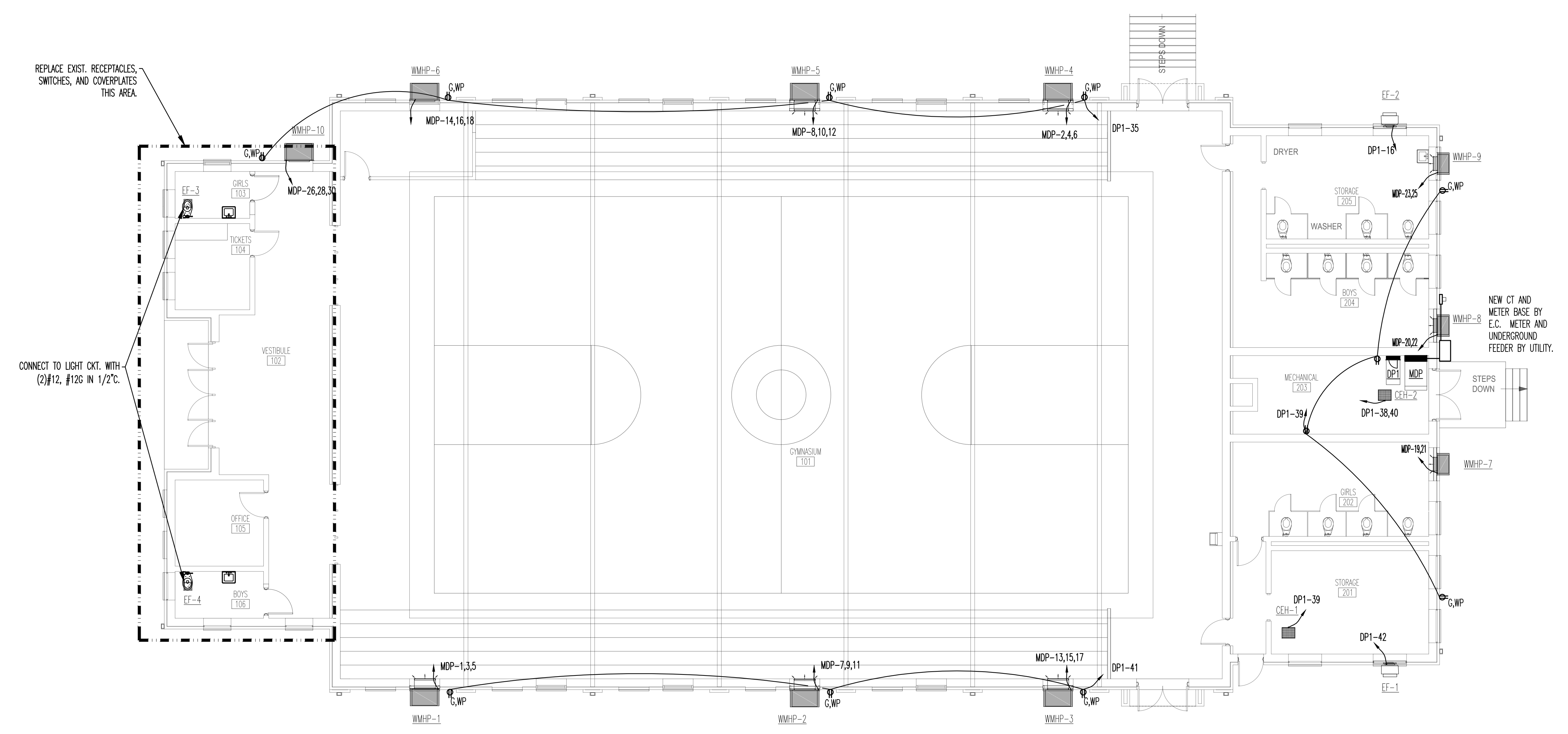
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 ARCHITECTS



ELECTRICAL LIGHTING PLAN
 2
 E1.1 SCALE: 1/8" = 1'-0"



ELECTRICAL POWER PLAN
 1
 E1.1 SCALE: 1/8" = 1'-0"

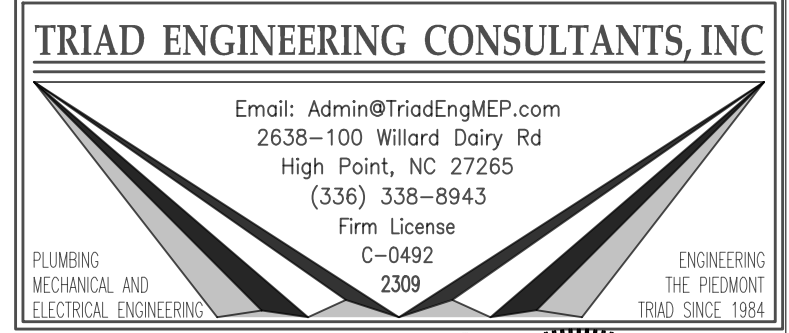
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ELECTRICAL RENOVATION PLANS



Mechanical 303 Panel MDP. Schedule listing equipment, load, and phase information for Sandhills Farm Life E.S. Includes a table with columns for VA, #, LOAD, Ph, N, G, C, BKR, and CONN.

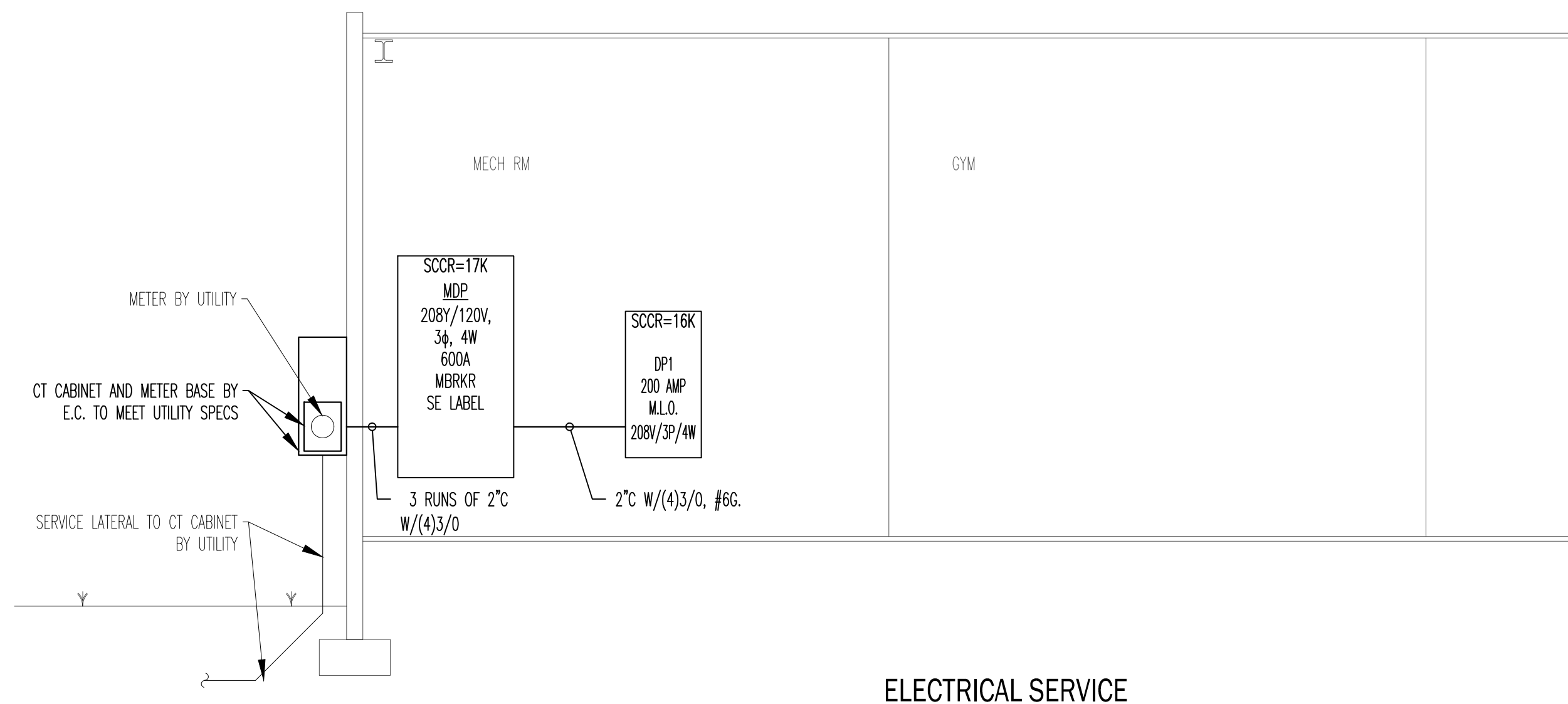
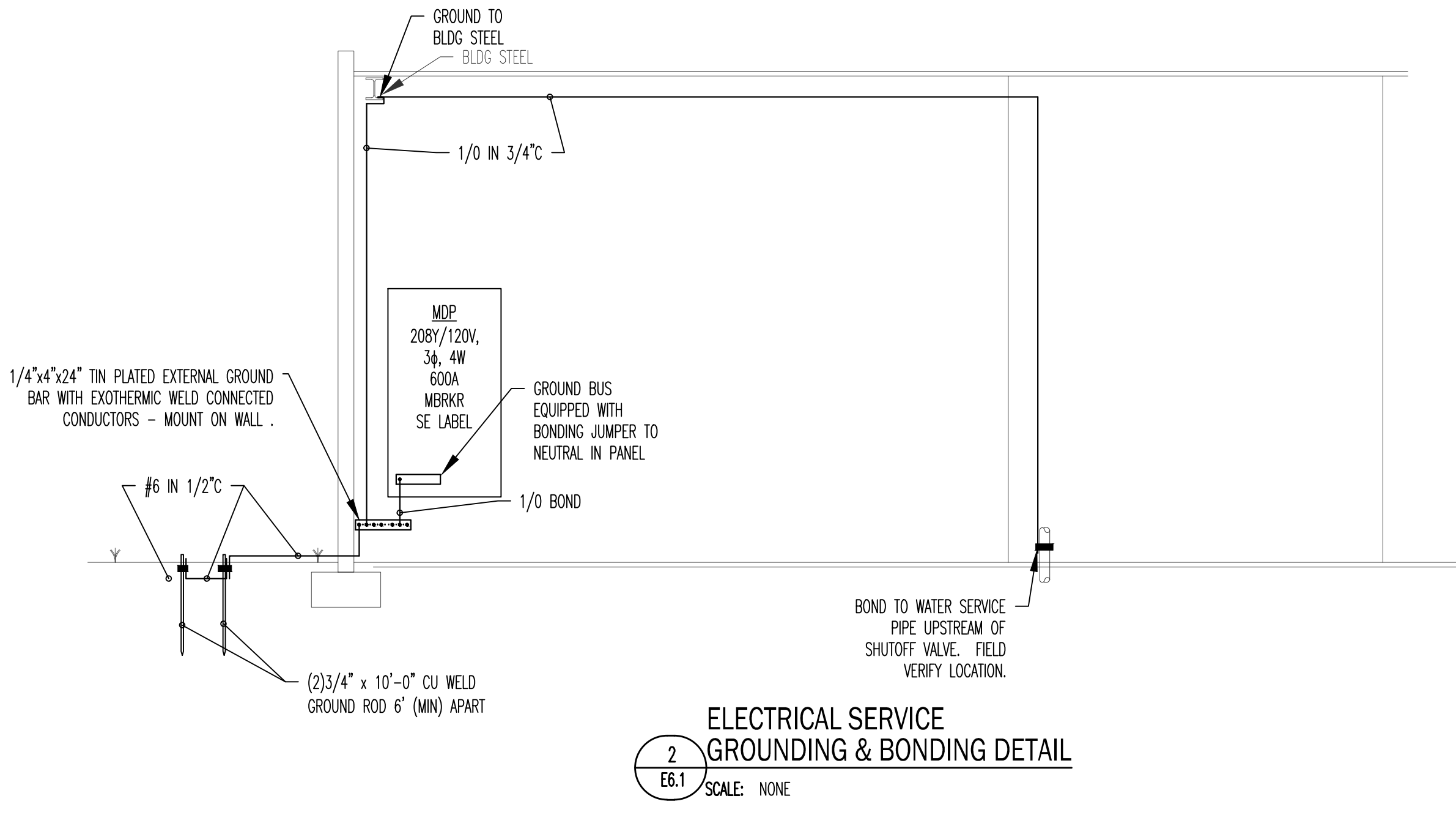
Mechanical 303 Panel PNL DP1. Schedule listing equipment, load, and phase information for Sandhills Farm Life E.S. Includes a table with columns for VA, #, LOAD, Ph, N, G, C, BKR, and CONN.

Summary of load calculations and service characteristics for Mechanical 303. Includes subtotals for Ph A, Ph B, and Ph C, and a table of connected and demanded loads.

Summary of load calculations and service characteristics for Mechanical 303. Includes subtotals for Ph A, Ph B, and Ph C, and a table of connected and demanded loads.

NEC 220 SERVICE DEMAND LOAD CALCULATION TABLE. Includes building data for Sandhills Farm Life E.S. and service demand load calculation table.

NEW ELECTRICAL SERVICE NEC 220.86 DEMAND CALCULATION. Scale: NONE.



AVAILABLE SHORT CIRCUIT CALCULATIONS - SANDHILLS FARM LIFE. Table with columns for Segment, Source SCC, One-way Distance, Conduit Material, Feeder Size, # Conductor, PVC or Steel Conduit, 'C' per Conduit, Line to Line (L-L) Calcs (Total, F, M), and Seg. End SCC (AMPS).

SERVICE RISER DIAGRAM NOTES: ALL CONDUCTORS SHALL BE COPPER. SHORT CIRCUIT VALUES ARE BASED ON 150 KVA TRANSFORMER WITH IMPEDANCE VALUE OF 2.0% LOCATED 100' (CONDUCTOR LENGTH) FROM SERVICE GEAR.

MOORE COUNTY SCHOOLS SANDHILLS GYMNASIUM RENOVATION

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