

MAINTENANCE/SERVICE BUILDING STETSON WIND PROJECT EVERGREEN WIND POWER V

TOWNSHIP 8, RANGE 3 NBPP
WASHINGTON COUNTY, MAINE

CLIENT:
SGC ENGINEERING, LLC
501 COUNTY ROAD
WESTBROOK, MAINE



LIFE SAFETY PLAN
SCALE: 1/8"=1'-0"

2 HOUR RATED WALL
 1 HOUR RATED WALL
 FIRE EXTINGUISHER, 10# TYPE ABC W/ BRACKET MOUNT
 PROVIDE BLOCKING FOR FIRE EXTINGUISHER MOUNTING AS REQUIRED.

LENGTH OF TRAVEL
 EXIT PATH "A" TO EXIT 2 = 84'
 EXIT PATH "A" TO EXIT 4 = 81'
 EXIT PATH "B" TO EXIT 1 = 63'
 EXIT PATH "B" TO EXIT 3 = 52'

ABBREVIATIONS

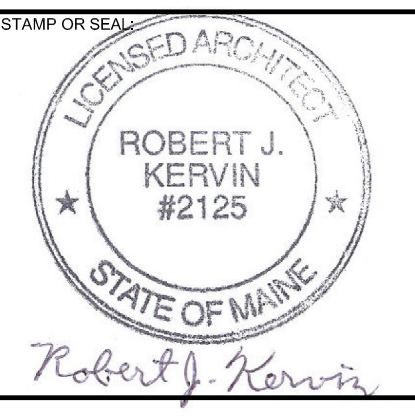
AC	AIR CONDITIONING	HC	HANDICAPPED	T	TREAD
ACT	ACOUSTIC CEILING TILE	HORIZ	HORIZONTAL	TOC	TOP OF CONCRETE
AFR	ABOVE FINISH FLOOR	HRU	HEAT RECOVERY UNIT	TOP	TOP OF FOOTING
AGG	AGGREGATE	HYAC	HEATING, VENTILATING AND AIR CONDITIONING	TOS	TOP OF SLAB
ALT	ALTERNATE	IJ	ISOLATION JOINT	TOW	TOP OF WALL
APPROX	APPROXIMATE	INS	INSULATED	TP	TOILET PAPER (DISPENSER), TEST PIT
BIT	BITUMINOUS	INV	INVERT	TYP	TYPICAL
BLDG	BUILDING	K	KIPS	V	VENT PIPE
BOF	BOTTOM OF FOOTING	LL	LIVE LOAD	VB	VAPOR BARRIER
BOT	BOTTOM	LP	LIGHTING PANEL, LIQUEFIED PROPANE	VCT	VINYL COMPOSITION TILE
BRG	BEARING	MAX	MAXIMUM	VTR	VERTICAL VENT THROUGH ROOF
CB	CATCH BASIN	MECH	MECHANICAL	WC	WATER CLOSET
CFM	CUBIC FEET PER MINUTE	MFR	MANUFACTURER	WF	WIDE FLANGE
CIP	CAST IN PLACE	MIN	MINIMUM	W/O	WITHOUT
CJ	CONTROL JOINT	MISC	MISCELLANEOUS	W/F	WELDED WIRE FABRIC
CL	CENTERLINE	MO	MASONRY OPENING	UH	UNIT HEATER
CMU	CONCRETE MASONRY UNIT	MR	MOISTURE RESISTANT		
COL	COLUMN	NCB	NEW CATCH BASIN		
CONC	CONCRETE	ND/MH	NEW DRAIN MANHOLE		
CONT	CONTINUOUS	NIC	NOT IN CONTRACT		
CUH	CABINET UNIT HEATER	NBD	NEW STORM DRAIN LINE		
D	DIAMETER	NBS	NEW SANITARY SEWER LINE		
DBL	DOUBLE	NTS	NOT TO SCALE		
DL	DEAD LOAD	NUL	NEW WATER LINE		
DTL	DETAIL	OC	ON CENTER		
DW	DISH WASHER	OH	OVERHEAD		
DWG	DRAWING				
EA	EACH	PAVE	PAVEMENT		
EXP	EXPANSION	PL	PLATE PROPERTY LINE		
EXT	EXTERIOR	PP	POWER PANEL		
FCO	FLOOR CLEAN OUT	PSF	POUNDS PER SQUARE FOOT		
FD	FLOOR DRAIN	PSI	POUNDS PER SQUARE INCH		
FE	FIRE EXTINGUISHER	PT	PRESSURE TREATED		
FEE	FINISHED FLOOR ELEVATION	PVC	POLYVINYL CHLORIDE		
FR	FRAMED OPENING	R	RISER		
FRP	FIBERGLASS REINFORCED PLASTIC	RD	ROOF DRAIN		
GA	GALVANIZED	REINF	REINFORCED		
GALV	GENERAL CONTRACTOR	RECP	REQUIRED		
GWB	GYP-SUM WALL BOARD	RO	ROUGH OPENING		
		ROW	RIGHT OF WAY		
		SF	SQUARE FOOT		
		SHT	SHEET		
		S6	STAINLESS STEEL		
		STA	STATION		
		STL	STEEL		

GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED BUILDING CODES, RULES, AND REGULATIONS OF THE MAINE LAND USE REGULATION AND AUTHORITIES.
- NO CHANGES SHALL BE MADE TO THE PROJECT WITHOUT WRITTEN NOTICE TO THE CONTRACTOR BY THE OWNER'S REPRESENTATIVE.
- THESE DOCUMENTS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE USED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- CONTRACTOR SHALL NOTIFY ENGINEER OF DRAWING DISCREPANCIES PRIOR TO CONSTRUCTION. CHANGE ORDERS WILL NOT BE ALLOWED FOR WORK THAT WAS IDENTIFIABLE FROM CAREFUL PRE-BID SITE AND DRAWING REVIEW.
- CONTRACTOR SHALL PROVIDE ONE SET OF PRINTS MARKED UP IN RED INK TO SHOW AS-BUILT CONDITIONS. CONTRACTOR SHALL NOTE ALL MANUFACTURER'S NAMES, NUMBERS, COLORS, AND OTHER PERTINENT INFORMATION FOR FINISHES, EQUIPMENT, FIXTURES, ETC. AS-BUILT DRAWINGS SHALL BE KEPT CURRENT ON A DAILY BASIS AND SUBMITTED WITH FINAL PAYMENT REQUEST. THEY WILL BE REVISED WITH EACH PAY REQ.
- CONTRACTOR SHALL KEEP JOB SITE CLEAN AND MAINTAIN ON SITE DISPOSAL CONTAINER.
- CONTRACTOR SHALL DO A COMPLETE FINAL CLEANING OF WORK AREAS PRIOR TO FINAL PAYMENT REQUEST.

SHEET INDEX

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LIFE SAFETY CODE ANALYSIS CHART

USE GROUP	NFPA	NOTES
USE GROUP	SPECIAL PURPOSE INDUSTRIAL	
CONST. CLASSIFICATION	V (000)	
AREA LIMIT	0	
HEIGHT LIMIT	0	
FIRE RESISTANCE RATE		
EXTERIOR BEARING WALLS	0	
ROOF CONST.	0	
FLOOR CONST.	—	
CORRIDORS	1 HOUR	
FIRE EXIT ENCLOSURE	N/A	
FIRE DOOR RESISTANCE	—	
LENGTH OF EXIT TRAVEL	300'	
DEAD END CORRIDOR	50'	
COMMON PATH OF TRAVEL	50'	
OCCUPANT LOAD	10 ACTUAL COUNT	
DOOR WIDTHS	35" / 02 = 15 PERSONS	
MIN NUMBER OF EXITS	2 REQ'D - 4 ACTUAL	
BOILER RM WALLS	1 HOUR	

LEGEND

- LEVEL LINE
- KEYED NOTE
- ROOM NUMBER
- WALL TYPE, SEE DETAIL
- DOOR TYPE, SEE SCHEDULE
- WINDOW TYPE, SEE SCHEDULE
- FIRE EXTINGUISHER, 10# TYPE ABC
- BUILDING SECTION
- WALL SECTION
- DETAIL
- EXTERIOR ELEVATION

SITE MAP



ISSUED FOR REGULATORY REVIEW

REVISIONS

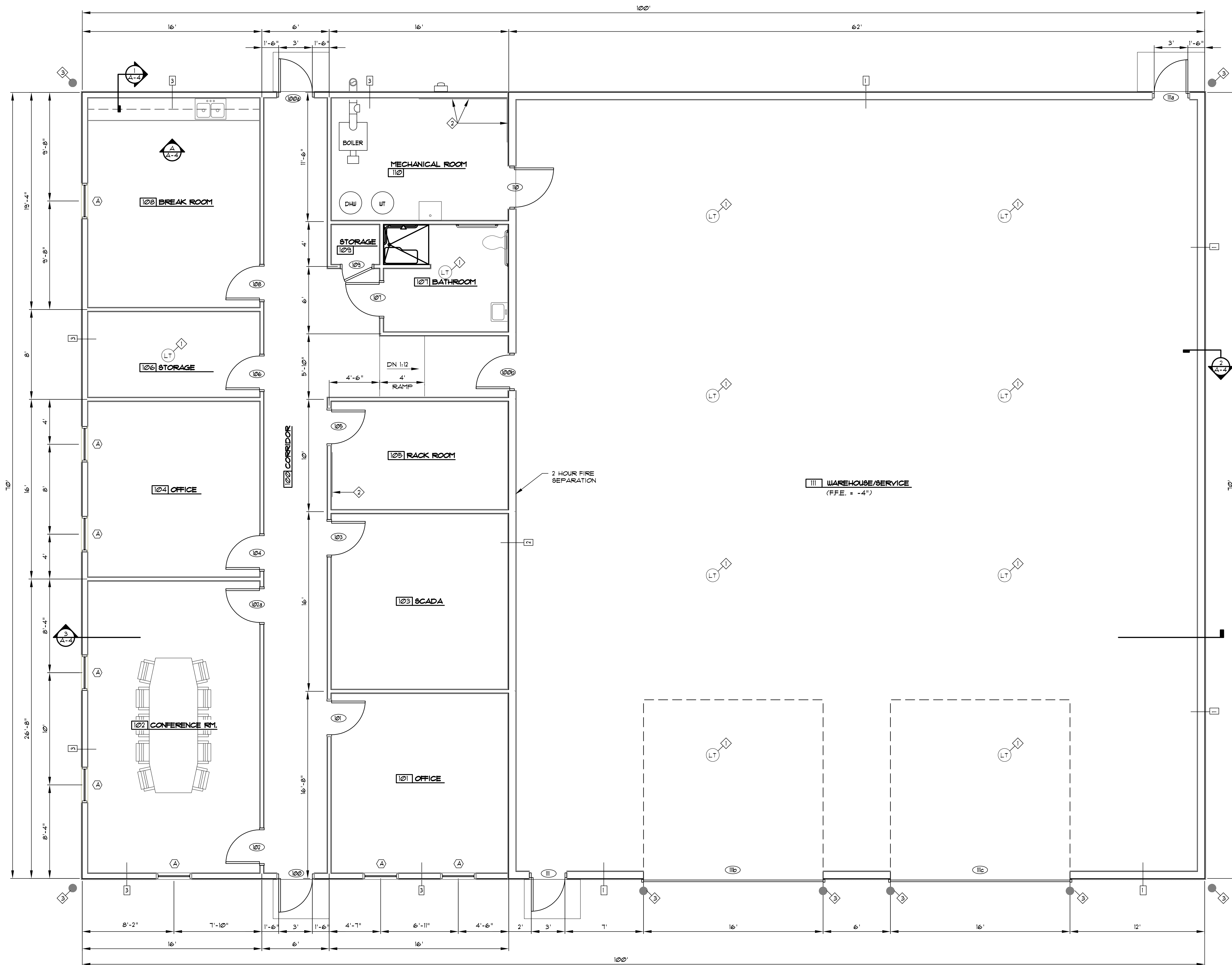
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COVER SHEET

BRS A PROJECT #: 20071566
 BRS A CAD FILE #: COVER
 PLAN DATE: NOVEMBER 1, 2007
 APPROVED BY: RK

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LEGEND

- ◇ KEYED NOTE
- 110 ROOM NUMBER
- ⊕ DOOR TYPE, SEE DOOR SCHEDULE
- 2 WALL TYPE, SEE WALL TYPE DETAILS THIS SHEET

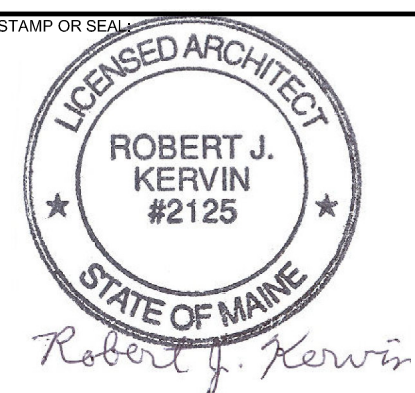
KEYED NOTES

- ◇ PROVIDE 14" DIA. DAYLIGHTING TUBE EQUAL TO SOLATUBE 230 D9, REFER TO WINDOW SCHEDULE.
- ◇ PROVIDE (1) SHEET OF 3/4" AC PLYWOOD EACH WALL PRIMED AND PAINTED (2) COATS GRAY APPLY OVER GUB.
- ◇ PROVIDE METAL PIPE BOLLARD CONSTRUCTED FROM 6" SCHEDULE 40 STEEL PIPE, 6' LONG, SET 3" IN 16" SONOTUBE FILLED WITH 4000 PSI CONCRETE. FILL PIPE WITH CONCRETE AND DOME TOP TO SHED WATER. PRIME AND PAINT BOLLARD W/ (2) COATS OF YELLOW ENAMEL PAINT.

GENERAL NOTES:

1. COORDINATE LOCATIONS OF ATTIC ACCESS PANELS WITH OWNER. ACCESS PANELS SHALL MATCH FIRE RATING OF AREA TO BE INSTALLED WITHIN.
2. ALL PENETRATIONS OF RATED WALLS SHALL BE SEALED WITH A UL APPROVED SEALANT OF EQUAL OR GREATER RATING.
3. ALL MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURE'S WRITTEN INSTRUCTIONS.

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PRELIMINARY
 FOR REGULATORY REVIEW

SGC ENGINEERING, LLC
 501 COUNTY ROAD
 WESTBROOK, MAINE 04092

STETSON WIND PROJECT
 EVERGREEN WIND POWER V
 WASHINGTON COUNTY, MAINE

MAINTENANCE/SERVICE BUILDING
FLOOR PLAN

DESIGNED BY: TMD, BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: A-1
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: RK	PLAN SCALE: AS SHOWN

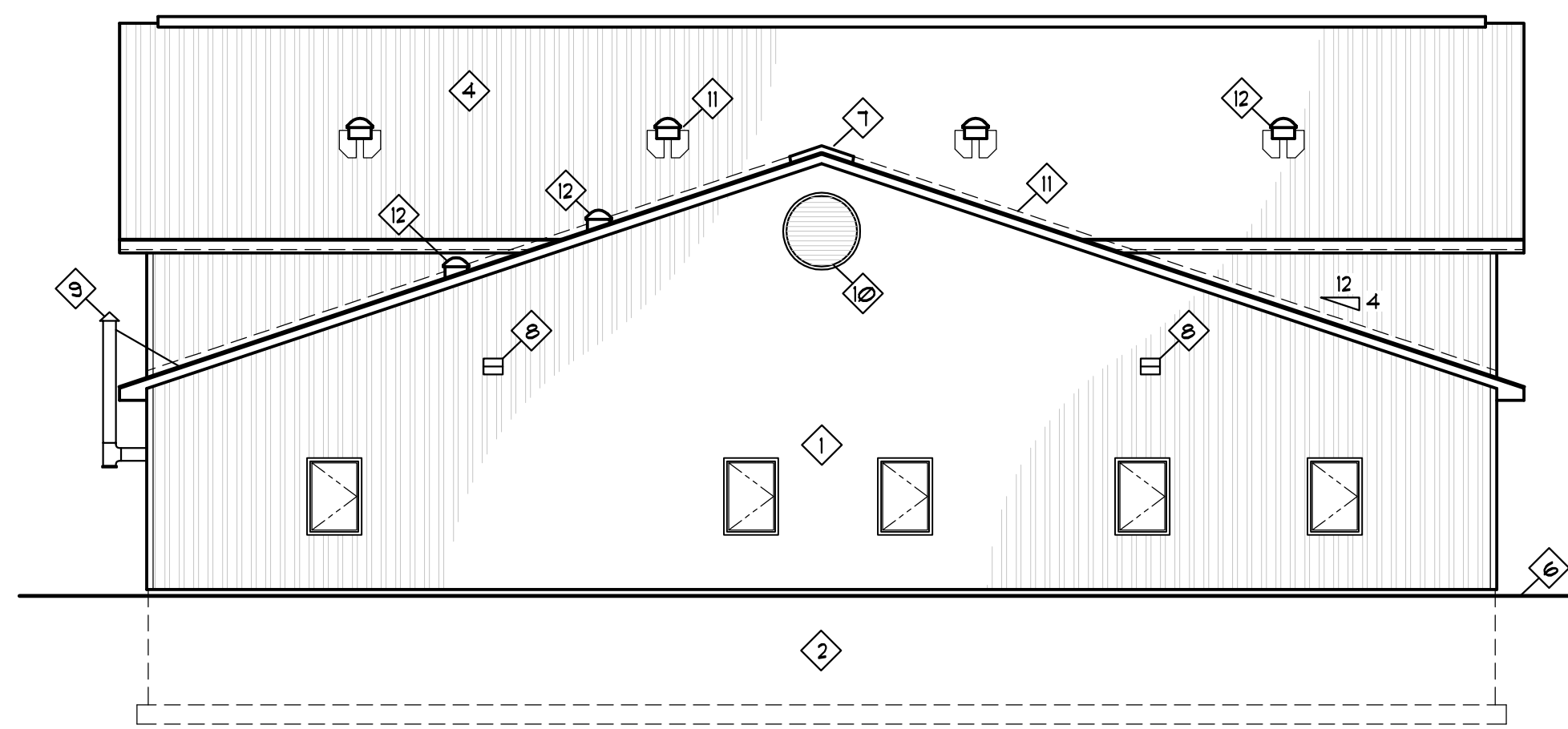
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SHEET 1 OF 12

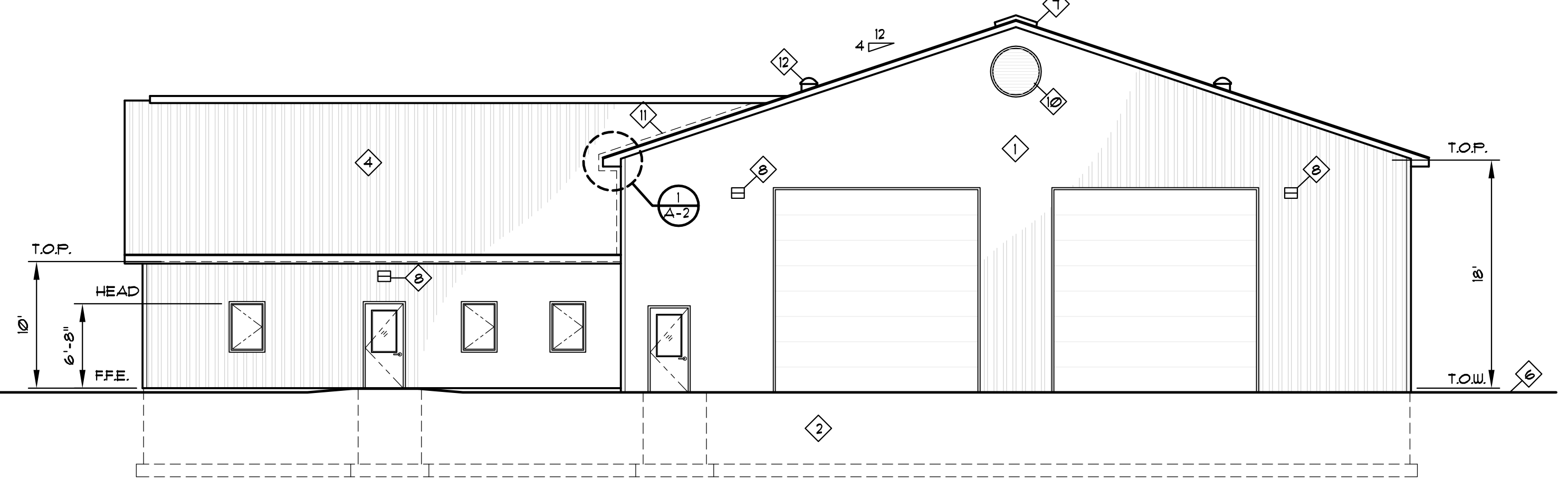
A-1

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

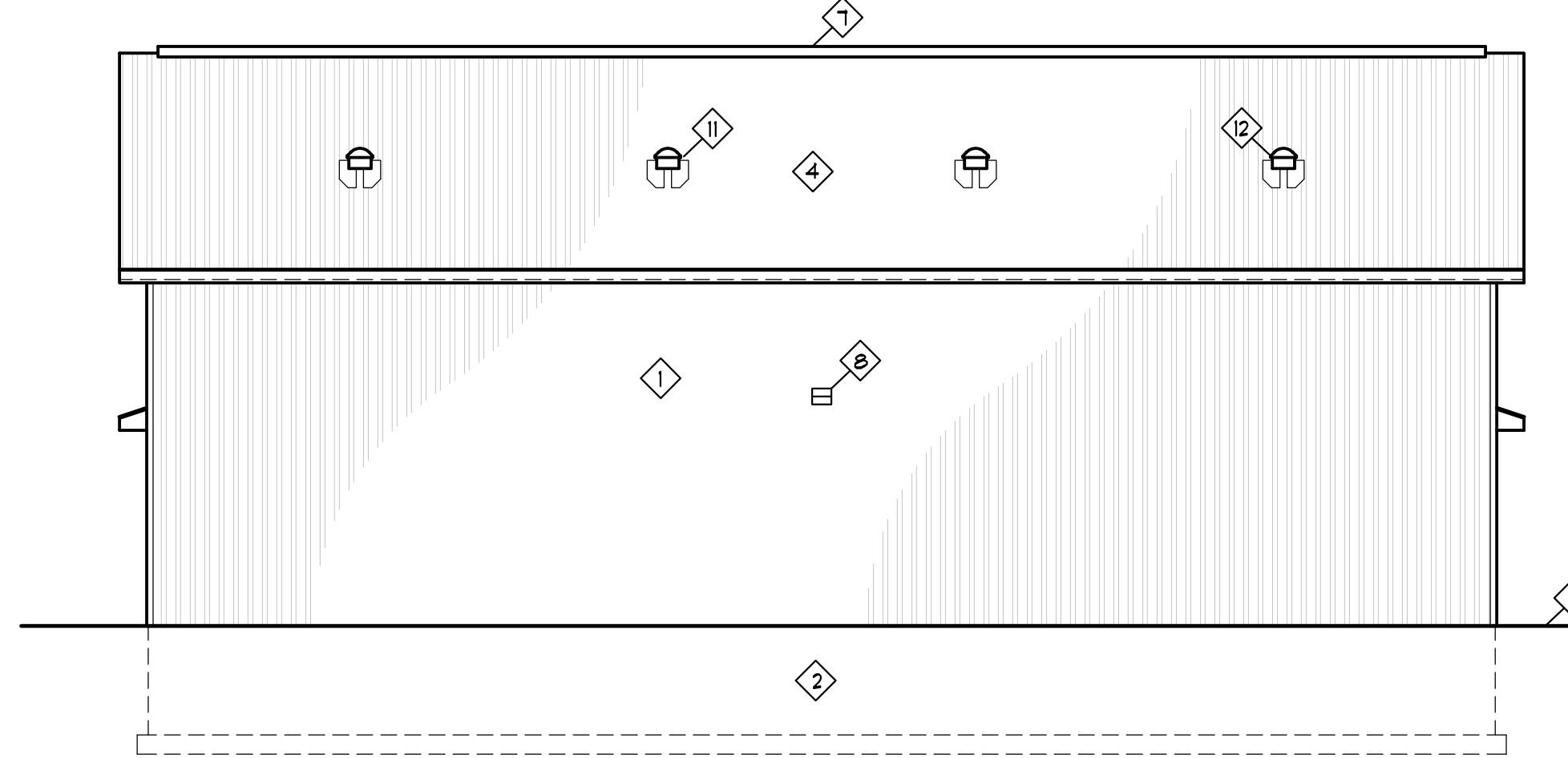




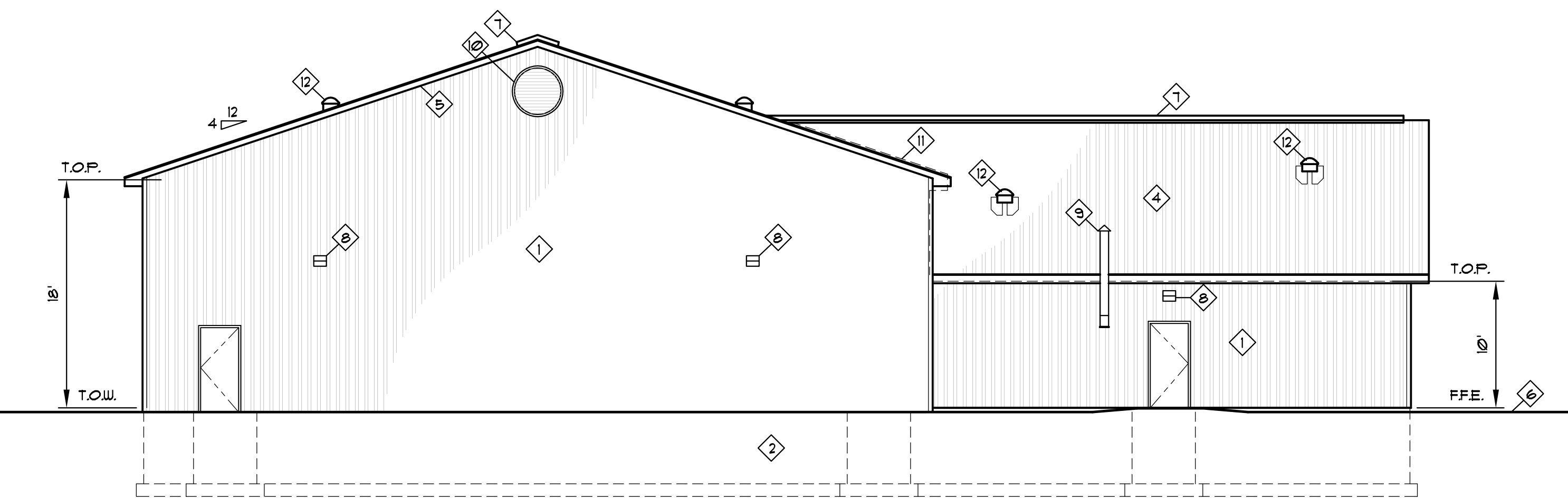
NORTH ELEVATION



WEST ELEVATION

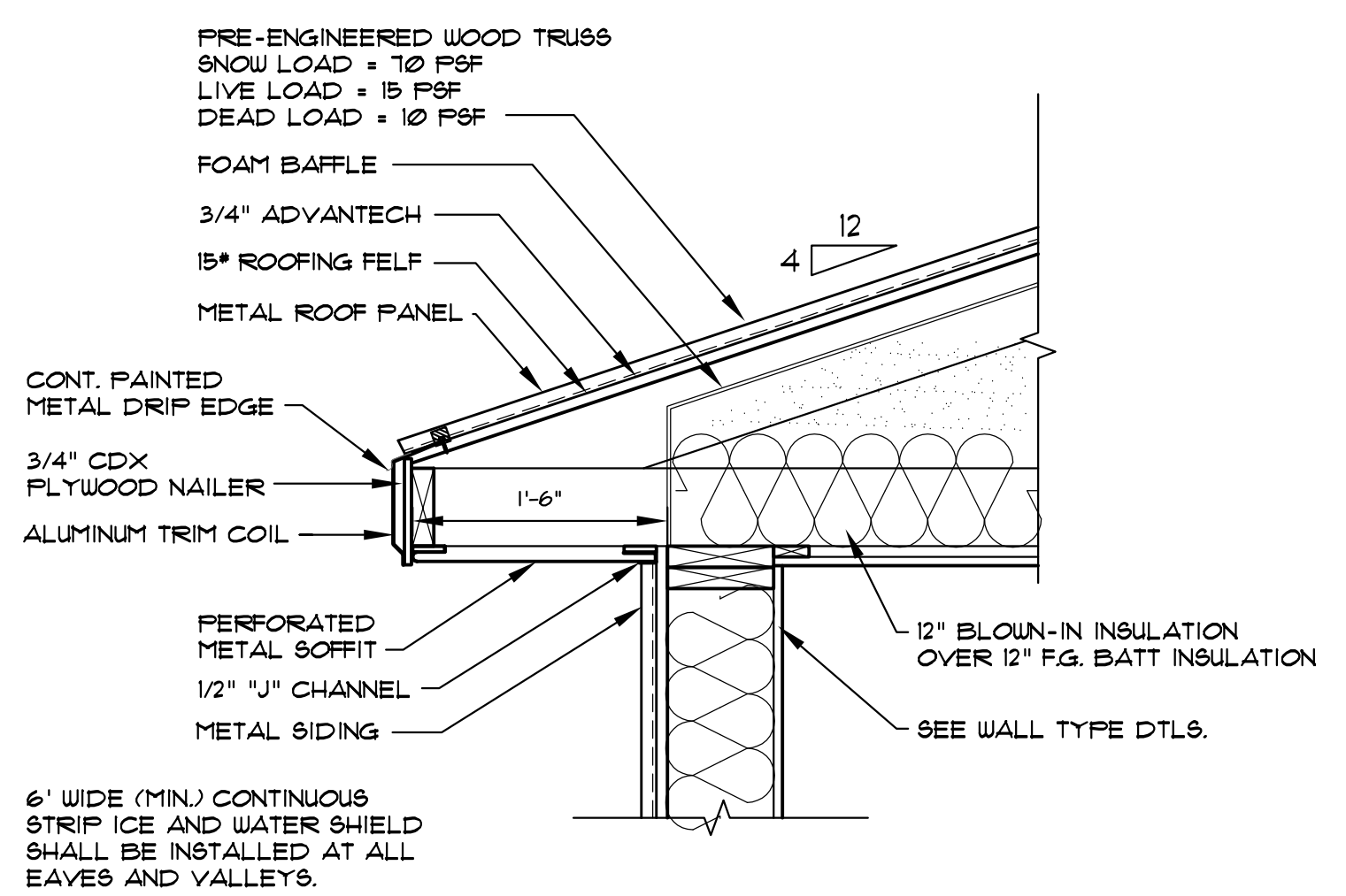


SOUTH ELEVATION



EAST ELEVATION

EXTERIOR ELEVATIONS
SCALE: 1/8" = 1'-0"



TYPICAL EAVE DETAIL
SCALE: 1" = 1'-0"

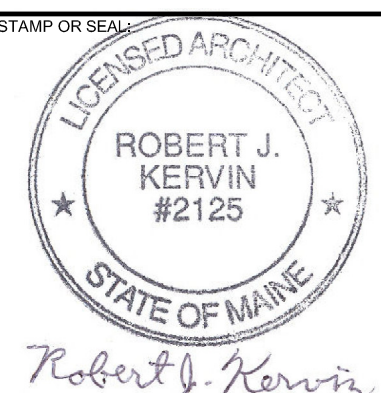
GENERAL NOTES

1. PROVIDE ICE AND WATER SHIELD AT INTERSECTION OF LOWER ROOF AND HIGH BAY WALL/ROOF EXTENDING MIN. 4' FROM INTERSECTION IN BOTH VERTICAL AND HORIZONTAL DIRECTIONS.
2. PROVIDE ALL REQUIRED TRIM, FLASHING, AND CLOSURES FROM METAL SIDING AND ROOFING MANUFACTURER FOR COMPLETE, WEATHER TIGHT INSTALLATION.

KEYED NOTES

- 1 METAL SIDING EQUAL TO MCELROY MAX-RIB 100 EXPOSED FASTENER SYSTEM. OWNER'S CHOICE OF MANUFACTURER'S STANDARD COLORS. PROVIDE CONTINUOUS LENGTH SHEETS AND ALL REQUIRED FLASHING AND SEALING MATERIALS.
- 2 FOUNDATION
- 3 METAL CORNER TRIM
- 4 METAL ROOF EQUAL TO MCELROY, SEE KEY NOTE 1.
- 5 ALUMINUM TRIM COIL
- 6 FINISH GRADE, COORDINATE W/SITE CONTRACTOR
- 7 METAL RIDGE CAP
- 8 CUTOFF STYLE METAL HALIDE WALLPACK
- 9 INSULATED DBL WALL METAL CHIMNEY
- 10 GABLE END VENT W/INSECT SCREEN
- 11 METAL FLASHING OVER ICE & WATER SHIELD
- 12 DAYLIGHTING TUBE - SEE WINDOW SCHEDULE

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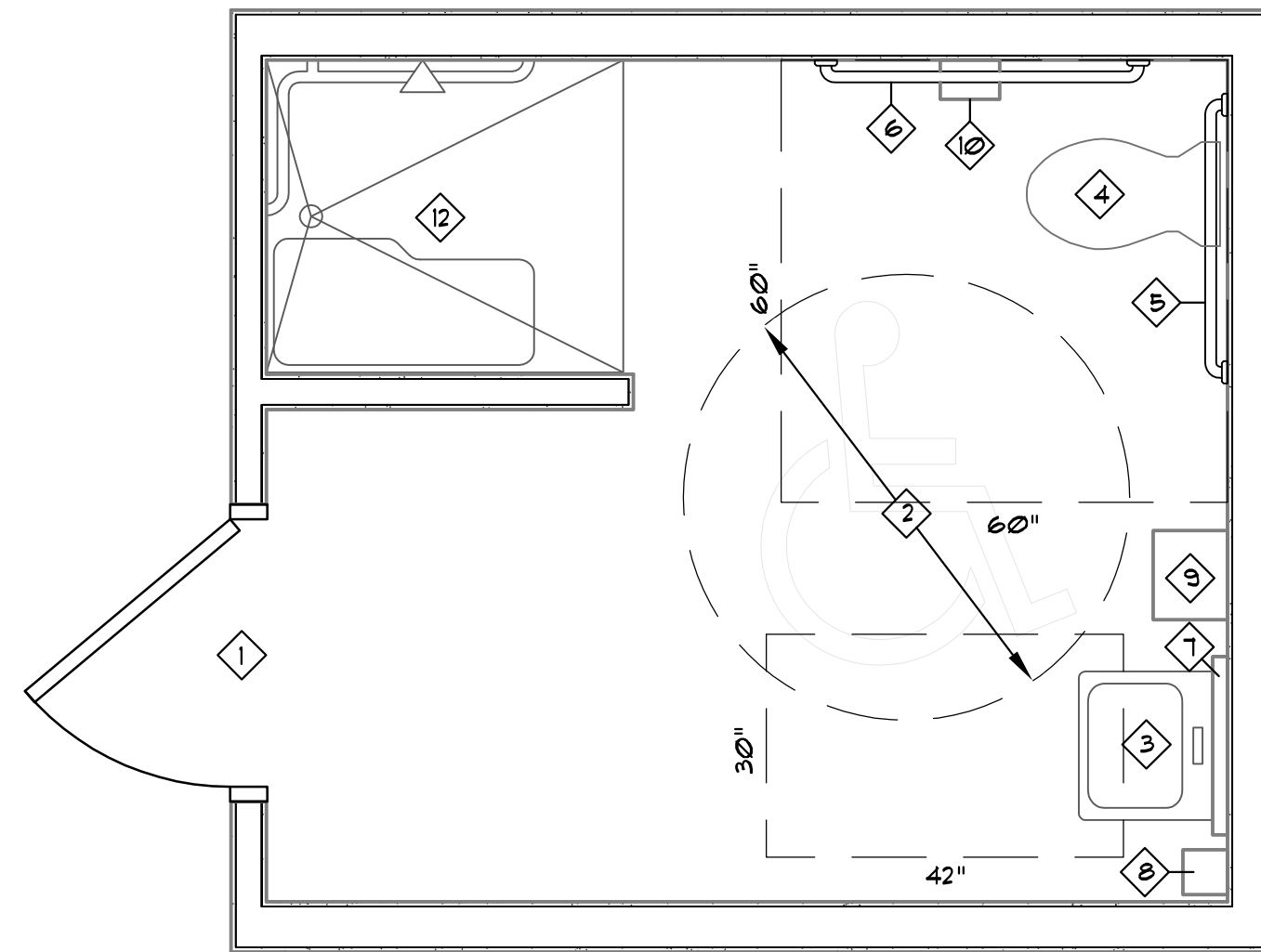
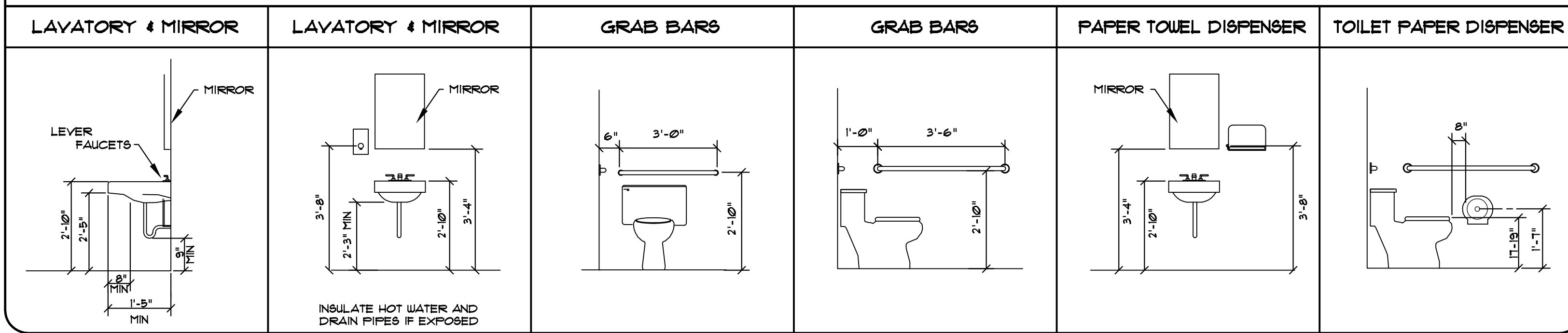
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MAINTENANCE/SERVICE BUILDING
EXTERIOR ELEVATIONS

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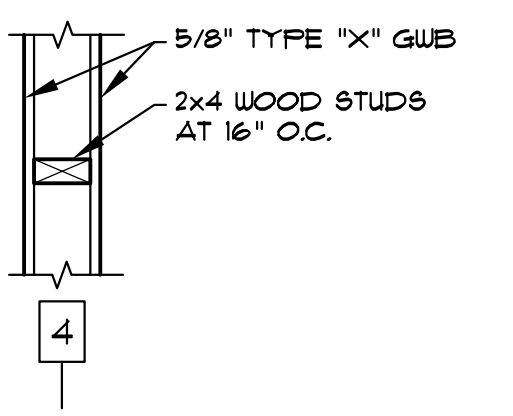
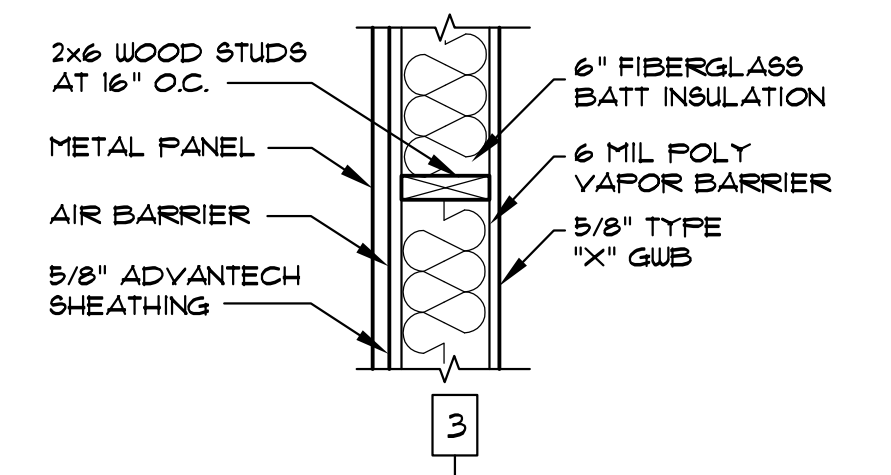
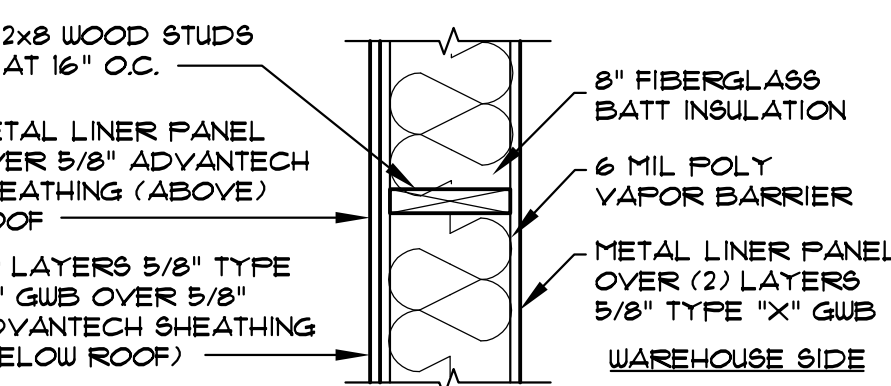
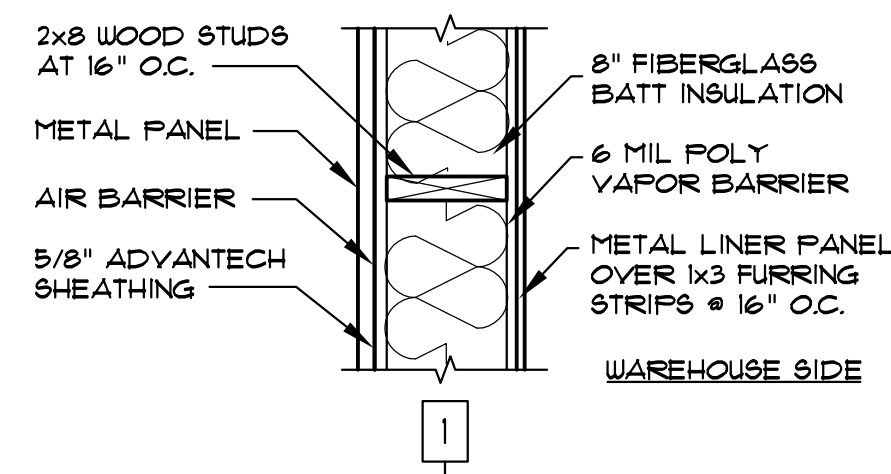
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HC ACCESSIBLE TOILET ROOM FIXTURES AND ACCESSORIES MOUNTING HEIGHTS



ENLARGED BATHROOM PLAN

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



- NOTES:**
 1. INTERIOR PARTITIONS SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
 2. GYPSUM WALL BOARD IN RESTROOMS SHALL BE MOISTURE RESISTANT.
 3. ALL PENETRATIONS IN (2) HOUR SEPARATION WALL SHALL BE CAULKED/SEALED TO MAINTAIN A (2) HOUR RATING.
 4. ALL INTERIOR WALLS SHALL BE TYPE 4, UNLESS OTHERWISE NOTED.

WALL TYPE DETAILS

SCALE: 1"=1'-0"

ENLARGED RESTROOM PLAN KEY NOTES

- 1 DOOR AND FRAME - SEE DOOR TYPES.
 - 2 5' DIAMETER H.C. TURNING RADIUS.
 - 3 HANDICAP LAVATORY
 - 4 HANDICAP TOILET
 - 5 36" LONG STAINLESS STEEL GRAB BAR
 - 6 42" LONG STAINLESS STEEL GRAB BAR
 - 7 24"x36" TILTED MIRROR WITH STAINLESS STEEL FRAME, BOTTOM OF MIRROR MOUNTED 40" ABOVE FINISH FLOOR, CENTER OVER SINK.
 - 8 SOAP DISPENSER, OPENING AND OPERATING 48" ABOVE FINISH FLOOR.
 - 9 PAPER TOWEL DISPENSER
 - 10 TOILET PAPER DISPENSER
 - 11 FLOOR TYPE MOP SINK
 - 12 HANDICAP ACCESSIBLE SHOWER
- * WASTE BASKET, SOAP DISPENSER, PAPER TOWEL DISPENSER, AND TOILET PAPER DISPENSER SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH ADA REQUIREMENTS.

A. ALL ITEMS (WHERE APPLICABLE) SHALL BE INSTALLED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY STANDARDS AS ADOPTED BY THE STATE OF MAINE.
 B. INSTALL ALL ITEMS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
 C. PROVIDE ALL NECESSARY BLOCKING AND SUPPORT IN WALLS.

ACCESSORY MOUNTING HEIGHTS

- GRAB BARS 33" TO 36"
- TOILET PAPER HOLDER 19" MINIMUM HEIGHT
- PAPER TOWEL DISPENSER (IF BUILT IN) 48" MAXIMUM HEIGHT
- PAPER TOWEL DISPOSAL 48" MAXIMUM HEIGHT
- SOAP DISPENSER 48" MAXIMUM HEIGHT
- SANITARY NAPKIN DISPOSAL 19" MINIMUM HEIGHT TO OPENING
- MIRROR 40" MAXIMUM HGT TO LOWER EDGE
- SHELVES OR STORAGE CABINET 48" MAXIMUM HEIGHT
- LIGHT SWITCHES 48" MAXIMUM HEIGHT
- EXHAUST FAN SWITCH 48" MAXIMUM HEIGHT
- COAT HOOKS 48" MAXIMUM HEIGHT

INSULATE HOT WATER AND DRAIN PIPES IF EXPOSED
 PROVIDE VISUAL ALARMS IF FIRE ALARM SYSTEM IS IN BUILDING

ROOM FINISH SCHEDULE

RM #	ROOM NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	DOORS	TRIM	DR	LUN	NOTES
				N	E	S	W							
100	CORRIDOR	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	MET/PT3	PT3	---	1 HOUR RATING	
101	OFFICE	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	MET/PT3	PT3	---		
102	CONFERENCE RM.	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
103	SCADA	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
104	OFFICE	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
105	RACK ROOM	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
106	STORAGE	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
107	BATHROOM	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	FRP/4 AFF	GWB/PT4	WD/ST	PT3	---		
108	BREAK ROOM	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---		
109	STORAGE	VCT	R	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	WD/ST	PT3	---	1 HOUR RATING	
110	MECHANICAL RM	CONC/S	-	GWB/PT2	GWB/PT2	GWB/PT2	GWB/PT2	---	GWB/PT4	MET/PT3	PT3	---	1 HOUR RATING	
111	WAREHOUSE/SHOP	CONC/S	-	METAL	METAL	METAL	METAL	---	METAL	MET/PT3	PT3	---		

FINISH SCHEDULE KEY BASE

- BASES**
 R = VINYL COVE BASE - 4" EQUAL TO JOHNSONITE 1/8" THICK
 OWNER'S CHOICE OF COLOR
- FLOORS**
 CONC/S - CONCRETE W/ SEALER
 VCT - VINYL COMPOSITION TILE EQUAL TO JOHNSONITE
 OWNER'S CHOICE OF COLOR
- WALLS**
 METAL - METAL LINER PANEL EQUAL TO MCELROY M-COR
 GUB - GYPSUM WALLBOARD, MUD, TAP, AND SAND.
 PAINT (PRIMER COAT, TINTED AS NEEDED, AND 2 COATS OF PAINT)
 # = SATIN
 #2 = SEMI-GLOSS
 #3 = EPOXY
 #4 = FLAT
 OWNER SHALL HAVE CHOICE OF 8 COLORS TOTAL
- CEILING**
 GUB - 5/8" TYPE 'X' GYPSUM WALLBOARD, TYPE MR. AT RESTROOMS
- WAINSCOT**
 FRP - FIBERGLASS REINFORCED PANEL, TEXTURED, OWNER'S CHOICE OF COLOR
- DOORS & WINDOW FRAMES**
 WOOD
 ST - STAIN (1 COAT STAIN, 3 COATS SEMI GLOSS WATERBORNE)
 METAL
 FT - PAINT (SEE LIST UNDER WALLS)
- PAINTING:**
 COATS NOTED ARE MINIMUM. ADDITIONAL COATS MAY BE NEEDED FOR COVERAGE. MAXIMUM OF FOUR INTERIOR COLORS. EQUAL TO SHERWIN WILLIAMS SUPER PAINT.
- INSTALLATION:**
 INSTALL ALL MATERIALS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS COMPLETE WITH ALL APPURTENANCES.
- GWB. ON WALLS SHALL BE CONTINUED FULL HEIGHT OF WALL TO UNDERSIDE OF DECK ABOVE.
- NOTE: ALL PAINTS, CARPETS, TILES, FINISHES, ETC. SHALL HAVE A CLASS A FLAME SPREAD RATING.

DOOR SCHEDULE

DR#	ROOM NAME	DOOR			FRAME	HARDWARE	LABEL	NOTES
		SIZE	THK	MAT'L TYPE				
100	CORRIDOR	3'-0"x1'-0"	1 3/4"	METAL A	METAL	H-EH-T-WS-K-C		
100a	CORRIDOR	3'-0"x1'-0"	1 3/4"	METAL B	METAL	H-EH-T-WS-K-C		
100b	CORRIDOR	3'-0"x1'-0"	1 3/4"	METAL B	METAL	H-FH-C-S-K-L3	30 MIN	
101	OFFICE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
102	CONFERENCE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
102a	CONFERENCE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
103	SCADA	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
104	OFFICE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
105	RACK ROOM	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
106	STORAGE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	45 MIN	
107	BATHROOM	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L2	20 MIN	
108	BREAK ROOM	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
109	STORAGE	3'-0"x1'-0"	1 3/4"	WOOD B	METAL	H-C-S-L4	20 MIN	
110	MECH. ROOM	3'-6"x1'-0"	1 3/4"	METAL B	METAL	H-C-S-K-L3	30 MIN	
111	WAREHOUSE /SHOP	3'-0"x1'-0"	1 3/4"	METAL A	METAL	H-EH-T-WS-K-C		
111a	WAREHOUSE /SHOP	3'-0"x1'-0"	1 3/4"	METAL B	METAL	H-EH-T-WS-K-C		
111b	WAREHOUSE /SHOP	16'-0"x16'-0"	1 3/4"	METAL C	METAL	PER MANUFACTURER'S HARDWARE	INCLUDE ELEC. OPERATOR	
111c	WAREHOUSE /SHOP	16'-0"x16'-0"	1 3/4"	METAL C	METAL	PER MANUFACTURER'S HARDWARE	INCLUDE ELEC. OPERATOR	

1. ALL EXTERIOR DOORS SHALL BE INSULATED.

HARDWARE SCHEDULE

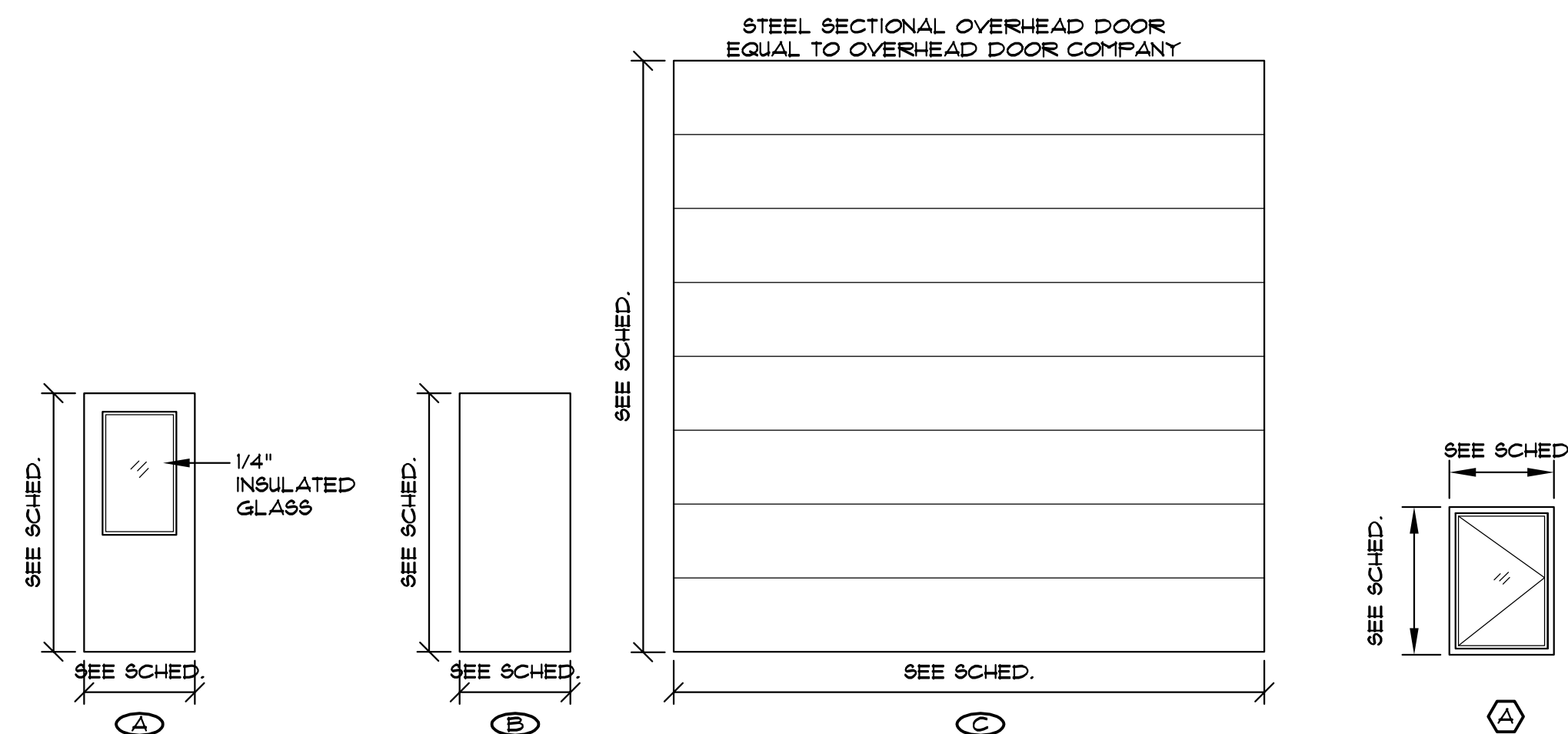
SYM	ITEM	MANUFACTURER OR EQUIV.	FINISH	COMMENTS
PH	PANIC HARDWARE	SARGENT MANUFACTURING, CO.	STEEL (US26D)	
EH	EXIT HARDWARE	SARGENT MANUFACTURING, CO.	STAINLESS STEEL (US32D)	
H	HINGES BALL BEARINGS	SARGENT MANUFACTURING, CO.	STAINLESS STEEL (EXT.) STAINLESS STEEL (INT.)	1 1/2 PAIR FOR EA. DOOR LEAF - EXT. DOOR TO HAVE
P/P	PUSH / PULL PLATES	HAGAR MODEL 305, S.S.	STAINLESS STEEL (US32D)	NON-REMOVABLE PINS - PROVIDE FOR EACH DOOR LEAF
C	CLOSER	LCN MODEL 4040, ADA APPROVED	SPRAYED ALUMINUM (AL)	
T	ALUM. THRESHOLD	ZERO INTERNATIONAL, INC.	ANODIZED ALUM. (US28)	6" WIDE 1/2" MAXIMUM HIGH FULL LENGTH OF OPENING
S	DOOR STOP WALL MOUNTED	GLYNN JOHNSON, WALL MOUNTED TYPE 600	STAINLESS STEEL (US26D) AND (US32D)	
SM	SMOKE SEAL - SURFACE MOUNTED	NGP, INC.		NFPA 105-93 UL 10 C
US	WEATHER-STRIPPING	ZERO TYPE 312A JAMES & HEAD	ANODIZED ALUM. (US28)	
D8	DOOR SWEEP	ZERO, BRUSH TYPE		
K	KICK PLATE	HAGAR 18" HIGH, S.S.	STAINLESS STEEL (US32D)	
L1	LOCK SET - STORAGE RM FUNCTION	SARGENT MANUFACTURING, CO.	STEEL (US26D)	LIGHT DUTY
L2	LOCK SET - PRIVACY FUNCTION	SARGENT MANUFACTURING, CO.	STEEL (US26D)	LIGHT DUTY
L3	LOCK SET - PASSAGE FUNCTION	SARGENT MANUFACTURING, CO.	STEEL (US26D)	LIGHT DUTY
L4	LOCK SET - CLASS ROOM FUNCTION	SARGENT MANUFACTURING, CO.	STEEL (US26D)	LIGHT DUTY

1. CONTRACTOR SHALL COORDINATE KEYING WITH OWNER.

WINDOW SCHEDULE

TAG	QTY	TYPE	MFG. OR EQUAL	MODEL	UNIT DIM.	NOTES
(A)	8	CABINET	ALLSCO	2100 SERIES	2'-10" x 4'-0"	W/LOW E GLAZING AND INSECT SCREEN
(LT)	9	LIGHT TUBE	SOLATUBE	290 DS	14" DIA	

1. VERIFY ROUGH OPENING SIZES W/MANUFACTURER.
 2. TRIM SHALL BE WHITE VINYL.
 3. DAYLIGHTING TUBE SHALL BE SUPPLIED W/ ALL MANUFACTURER'S RECOMMENDED ACCESSORIES, SUCH AS DIFFUSERS, FLASHING, METAL ROOF KIT, ETC.



DOOR & WINDOW ELEVATIONS

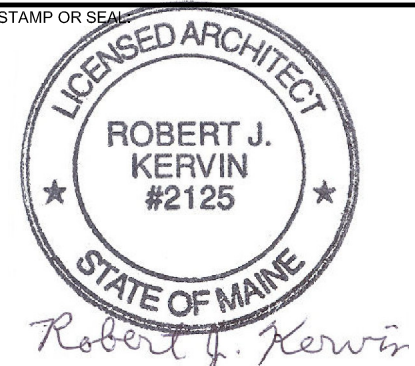
SCALE: 1/4"=1'-0"

LEGEND

KEYED NOTES

GENERAL NOTES:

BRSA
 B.R. Smith Associates, Inc.
 Surveying Engineering
 P.O. Box 408, 11 Hall Street, Presque Isle, Maine 04769
 Tel. 207.764.3661 Fax 207.764.5918



REVISIONS

#	DATE	DESCRIPTION	DRAWN	APPR.

PRELIMINARY
 FOR REGULATORY REVIEW

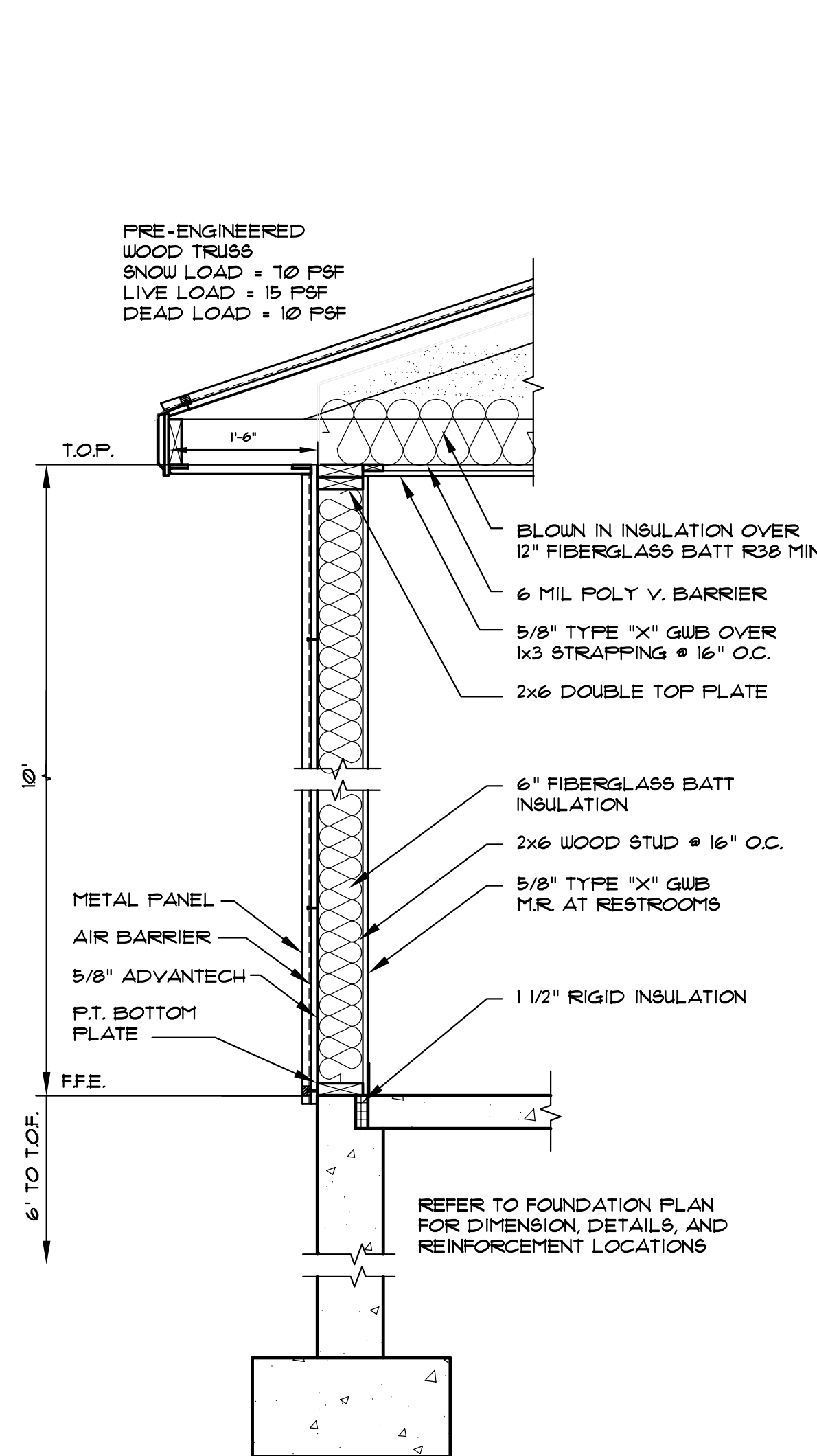
SGC ENGINEERING, LLC
 501 COUNTY ROAD
 WESTBROOK, MAINE 04092

STETSON WIND PROJECT
 EVERGREEN WIND POWER V
 WASHINGTON COUNTY, MAINE

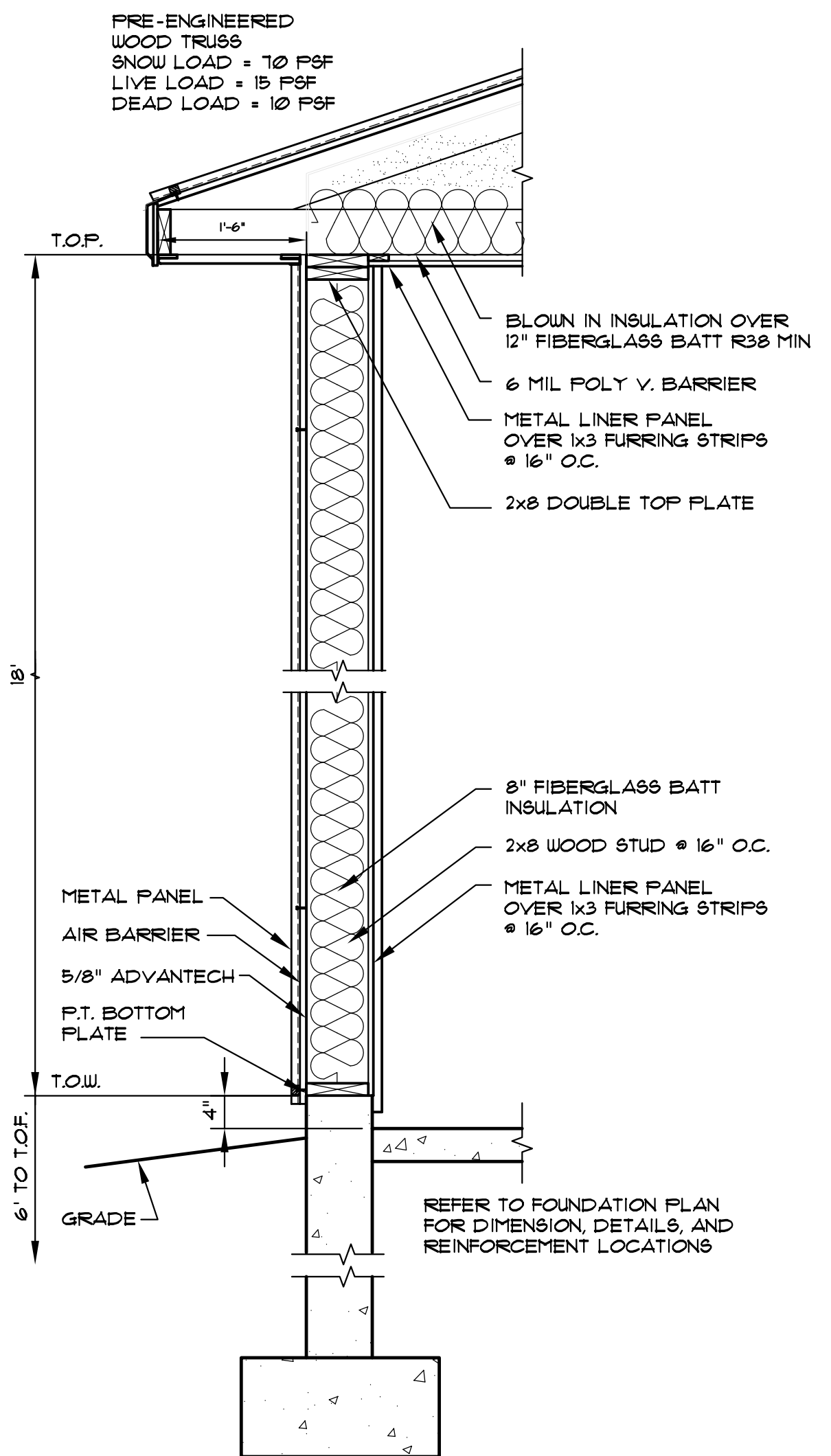
MAINTENANCE/SERVICE BUILDING SCHEDULES & DETAILS

DESIGNED BY: TMD, BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: A-1
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: RK	PLAN SCALE: AS SHOWN

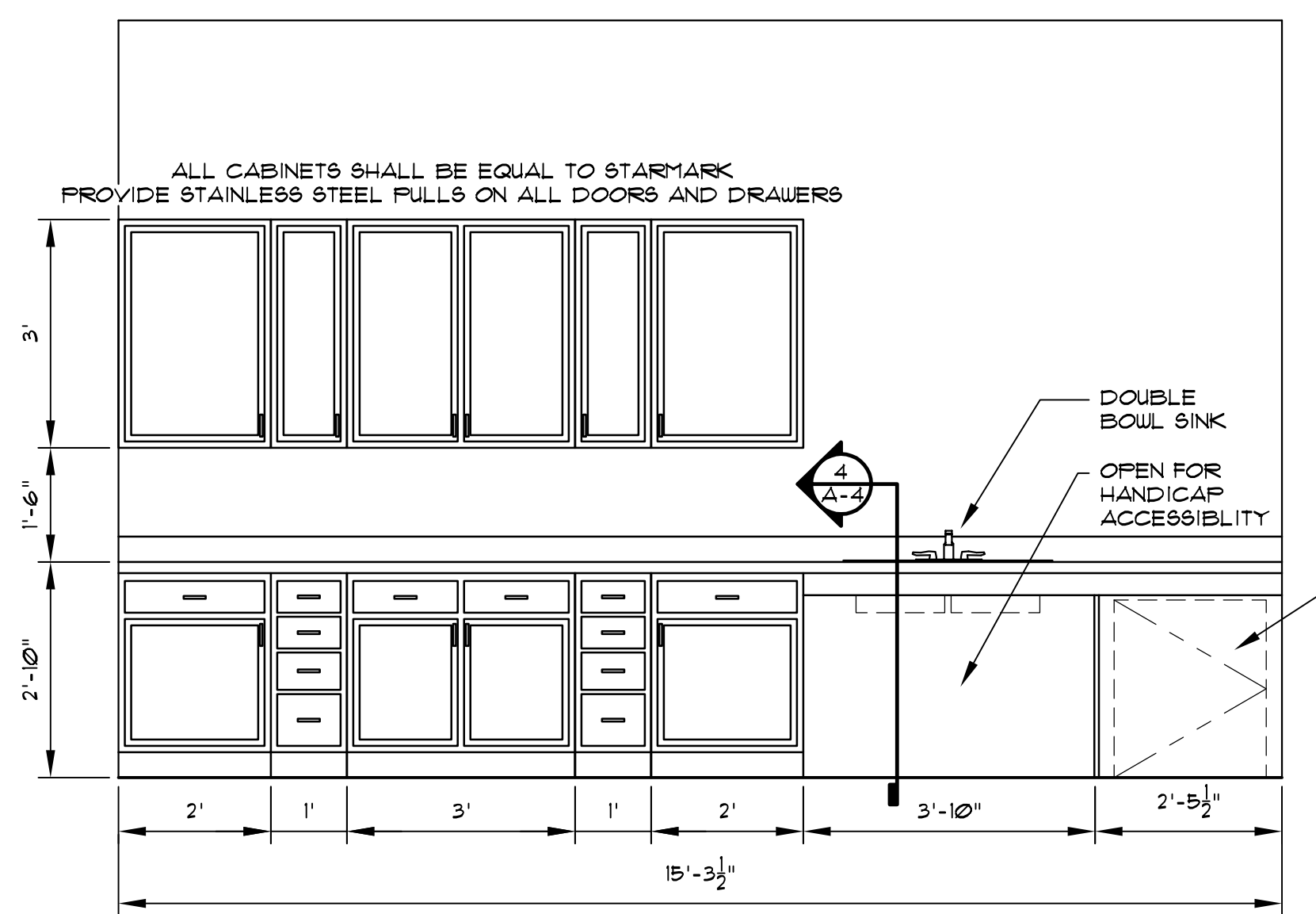
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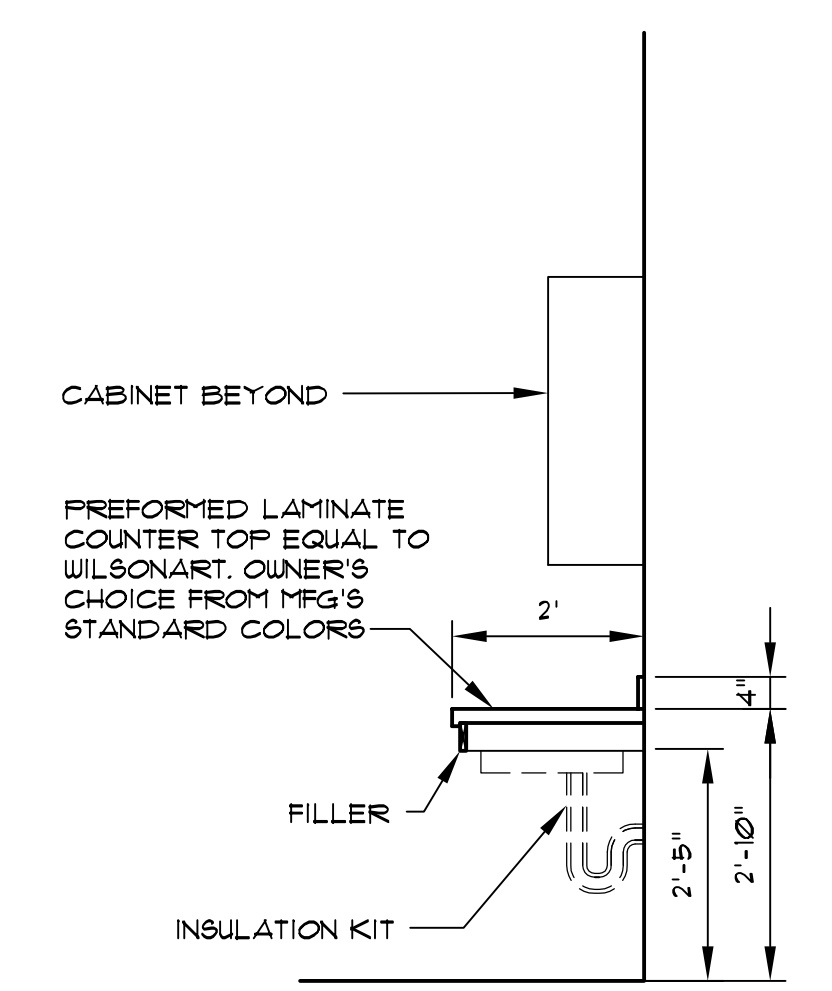
TYP. WALL SECTION
SCALE: 3/4" = 1'-0"
1
A-4



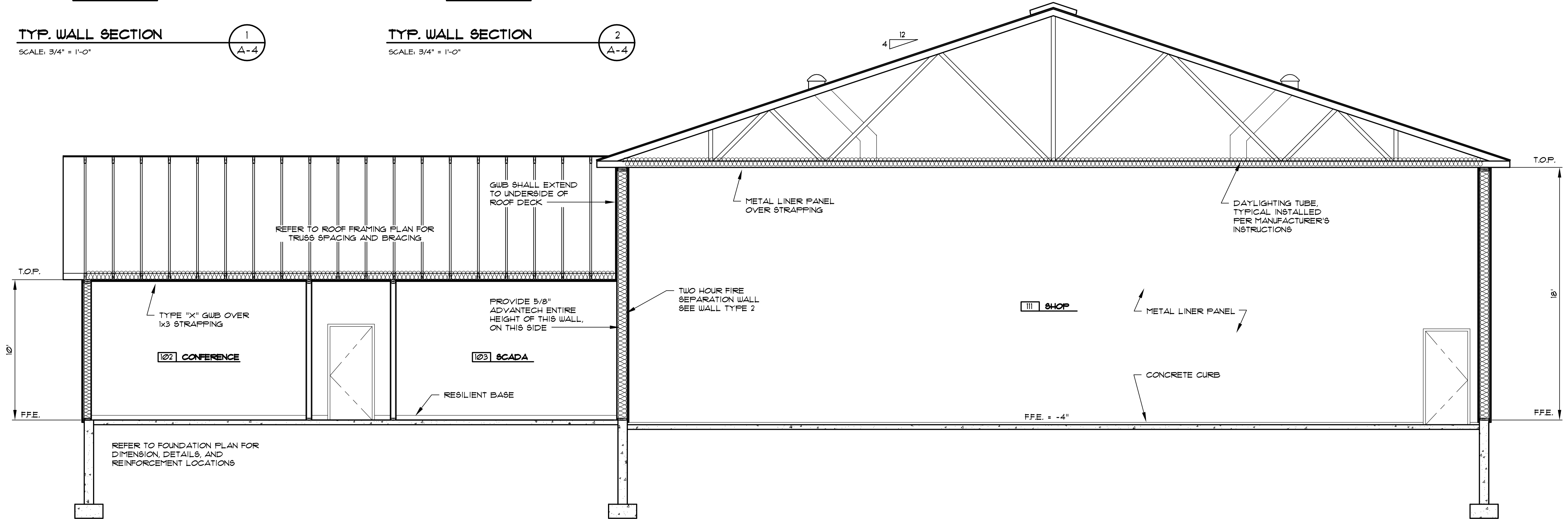
TYP. WALL SECTION
SCALE: 3/4" = 1'-0"
2
A-4



CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"
A
A-4



CASEWORK SECTION
SCALE: 1/2" = 1'-0"
4
A-4



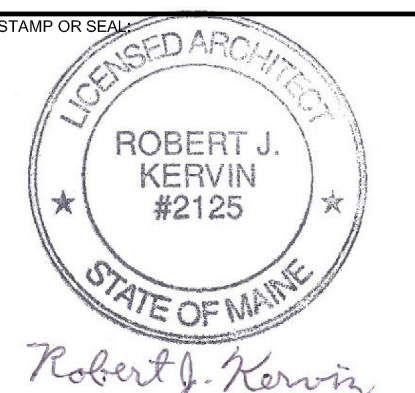
BUILDING SECTION
SCALE: 1/4" = 1'-0"
3
A-4

LEGEND

GENERAL NOTES:

1. TRUSS WEBBING SHOWN IS SCHEMATIC ONLY. ACTUAL WEBBING AND SIZES SHALL BE DESIGNED BY TRUSS MANUFACTURER.

BRSA
B.R. Smith Associates, Inc.
Surveying Engineering
P.O. Box 408, 11 Hall Street, Presque Isle, Maine 04769
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#	DATE	DESCRIPTION	DRAWN	APPR.

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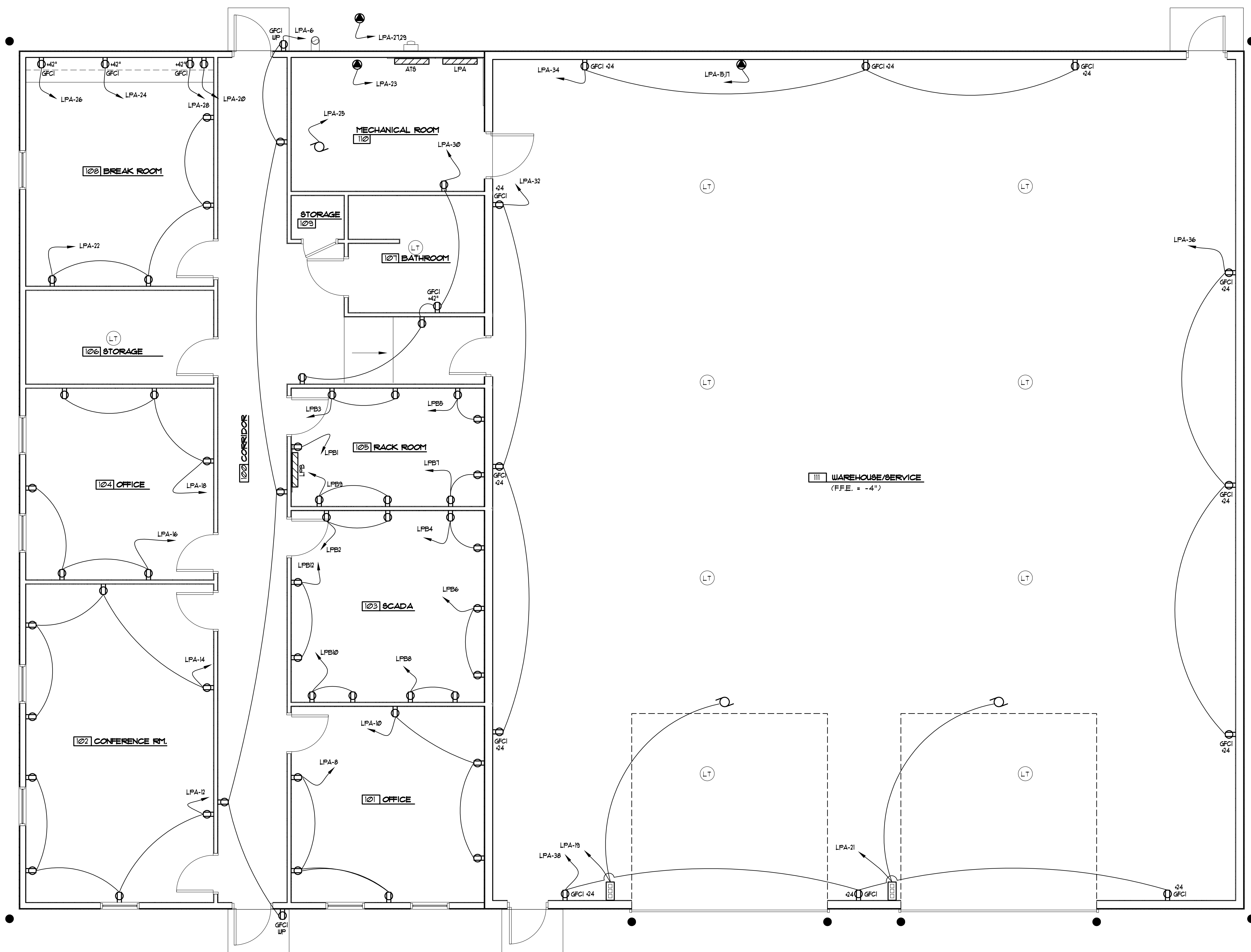
SCG ENGINEERING, LLC
501 COUNTY ROAD
WESTBROOK, MAINE 04092

STETSON WIND PROJECT
EVERGREEN WIND POWER V
WASHINGTON COUNTY, MAINE

MAINTENANCE/SERVICE BUILDING
EXTERIOR ELEVATIONS

DESIGNED BY: TMD, BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: A-1
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: RK	PLAN SCALE: AS SHOWN

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ELECTRICAL POWER PLAN
 SCALE: 1/4" = 1'-0"
 PLAN NORTH

LEGEND

- GFCI PROTECTED GROUNDED DUPLEX RECEPTACLE
- GFCI PROTECTED RECEPTACLE W/IN USE TYPE UP COVERS
- PROPOSED SPECIALTY RECEPTACLE
- SINGLE POLE SWITCH
- 3 WAY SWITCH
- BOILER EMERGENCY SWITCH
- SWITCH LEG
- DOOR OPERATOR

GENERAL NOTES:

1. THESE PLANS ARE SCHEMATIC IN NATURE, AND MAY NOT SHOW COMPLETE CONNECTIONS.
2. ALL WORK SHALL COMPLY TO ALL APPLICABLE CODES, RULES, AND REGULATIONS, INCLUDING THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
3. ALL POWER WIRING SHALL BE COPPER #12 AWG MINIMUM, INSTALLED IN METAL RACEWAY.
4. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AS REQUIRED BY LOCAL AND STATE AGENCIES.
5. ALL WIRING DEVICES SHALL HAVE BRUSHED ALUMINUM WALL PLATES. DEVICES SHALL BE COMMERCIAL GRADE AND SIDE WIRED ONLY. SWITCHES AND RECEPTACLES SHALL BE AC RATED, 20 AMPERES, SUCH AS LEVITON "CR" SERIES.
6. SWITCHES SHALL BE MOUNTED 48" MAXIMUM ABOVE FLOOR IN GENERAL UNLESS NOTED OTHERWISE HEREON.

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STAMP OR SEAL:

REVISIONS

#	DATE	DESCRIPTION	DRAWN	APPR.

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 FOR REGULATORY REVIEW

CLIENT:
SGC ENGINEERING, LLC
 501 COUNTY ROAD
 WESTBROOK, MAINE 04092

PROJECT:
STETSON WIND PROJECT
 EVERGREEN WIND POWER V
 WASHINGTON COUNTY, MAINE

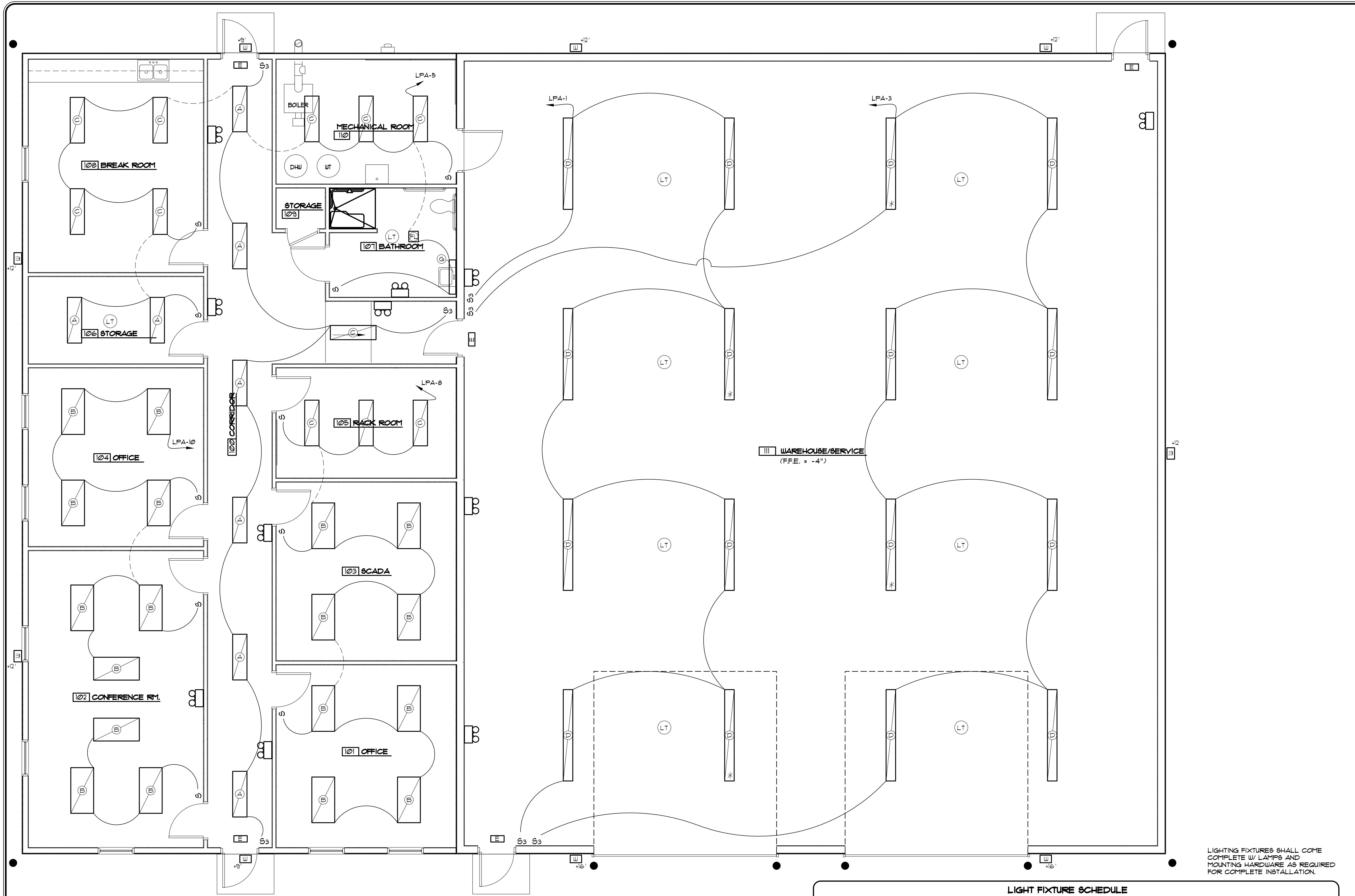
SHEET TITLE:
MAINTENANCE/SERVICE BUILDING
ELECTRICAL POWER PLAN

DESIGNED BY: BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: ELECTRICAL
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: BDM	PLAN SCALE: AS SHOWN

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SHEET 10 OF 12
E-1

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ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

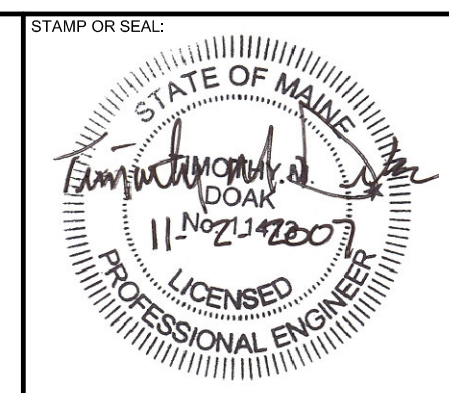
LEGEND

- S SINGLE POLE SWITCH
- S₃ 3 WAY SWITCH
- SWITCH LEG
- INDICATES FIXTURES ON SAME CIRCUIT
- - - INDICATES FIXTURES ON SAME SWITCH

GENERAL NOTES:

1. THESE PLANS ARE SCHEMATIC IN NATURE, AND MAY NOT SHOW COMPLETE CONNECTIONS.
2. ALL WORK SHALL COMPLY TO ALL APPLICABLE CODES, RULES, AND REGULATIONS, INCLUDING THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
3. ALL POWER WIRING SHALL BE COPPER, #12 AUG MINIMUM, INSTALLED IN METAL RACEWAY.
4. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AS REQUIRED BY LOCAL AND STATE AGENCIES.
5. ALL WIRING DEVICES SHALL HAVE BRUSHED ALUMINUM WALL PLATES. DEVICES SHALL BE COMMERCIAL GRADE AND SIDE WIRED ONLY. SWITCHES AND RECEPTACLES SHALL BE AGRATED, 20 AMPERES, SUCH AS LEVITON "CR" SERIES.
6. SWITCHES SHALL BE MOUNTED 48" MAXIMUM ABOVE FLOOR IN GENERAL UNLESS NOTED OTHERWISE HEREON.

BRSA
B.R. Smith Associates, Inc.
Surveying Engineering
P.O. Box 408, 11 Hall Street, Presque Isle, Maine 04769
Tel. 207.764.3661 Fax 207.764.5918



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SGC ENGINEERING, LLC
501 COUNTY ROAD
WESTBROOK, MAINE 04092

STETSON WIND PROJECT
EVERGREEN WIND POWER V
WASHINGTON COUNTY, MAINE

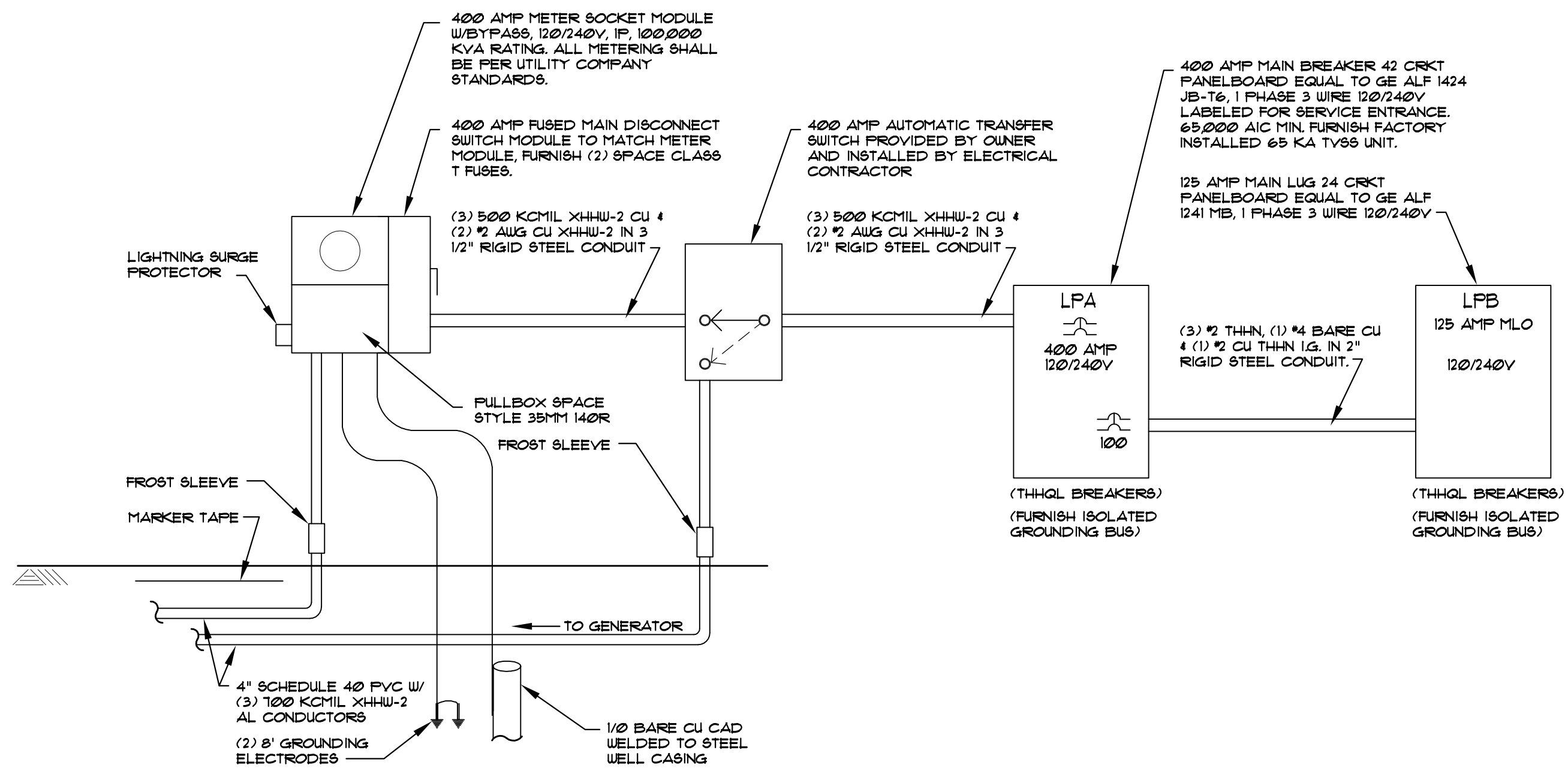
**MAINTENANCE/SERVICE BUILDING
ELECTRICAL LIGHTING PLAN**

DESIGNED BY: BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: ELECTRICAL
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: BDM	PLAN SCALE: AS SHOWN

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LIGHT FIXTURE SCHEDULE			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(A)	LIGHTING UNIT EQUAL TO LITHONIA LOW PROFILE WRAPAROUND 2LB 2 32 120 GEB1015 W/(2) GE F32T8/SP35 LAMPS	(E)	EXIT LIGHT EQUAL TO LITHONIA QUANTUM SERIES 1LQM5WIR 12-120/211 ELN
(B)	LIGHTING UNIT EQUAL TO LITHONIA SURFACE MOUNTED PARAMAX 2FP13X 3 32 18 120 GEB1015 W/(3) GE F32T8/SP35 LAMPS	(FL)	FAN/LIGHT EQUAL TO BROAN ULTRA QUIET MODEL QTRE10FLT W/(1) F42TBX821A4P LAMP
(C)	LIGHTING UNIT EQUAL TO LITHONIA LOW PROFILE WRAPAROUND 2LB 3 32 120 GEB1015 W/(3) GE F32T8/SP35 LAMPS	(WB)	WALL BRACKET EQUAL TO LITHONIA WP 2 25W MVOLT GEB1015 W/(2) F25T8/SP35 LAMPS
(D)	LIGHTING UNIT EQUAL TO LITHONIA T5 FLUORESCENT HIGH BAY M85HB03 54TBHO 9BL WD MVOLT GEB1015 (8) W/(3) GE F54T5/SP35 LAMPS. PROVIDE 36" ADJUSTABLE AIRCRAFT CABLE. FIXTURES SHALL BE MOUNTED 24" BELOW CEILING.	(EL)	EMERGENCY LIGHTING UNIT EQUAL TO LITHONIA QUANTUM SERIES 16ELM2
(*)	INDICATES FIXTURE TO BE PROVIDED W/ EMERGENCY BATTERY BACKUP OPTION	(W)	WALL PACK EQUAL TO RULD RECTANGULAR HID WALL MOUNT CUTOFF MODEL E8401-D W/PHOTOCELL AND W/(1) 100W METAL HALIDE LAMP AND HFF BALLAST. MOUNTING HEIGHT AS NOTED.

LIGHTING FIXTURES SHALL COME COMPLETE W/ LAMPS AND MOUNTING HARDWARE AS REQUIRED FOR COMPLETE INSTALLATION.



SERVICE SCHEMATIC

N.T.S.

PANEL LFB GE ALF1241 MB SURFACE MOUNTED

120/240 VOLTS 3-PHASE 4-WIRE 125 AMP M.L.O. 24 CKT.

CIRCUIT NO.	SERVICE	LOAD (VA)	BREAKER	NOTE	PH	NOTE	BREAKER	LOAD (VA)	SERVICE	CIRCUIT NO.
1	ROOM 105 REC	15	20		A		20	6.0	ROOM 103 REC	2
3	ROOM 105 REC	6.0	20		B		20	6.0	ROOM 103 REC	4
5	ROOM 105 REC	6.0	20		A		20	6.0	ROOM 103 REC	6
7	ROOM 105 REC	6.0	20		B		20	6.0	ROOM 103 REC	8
9	ROOM 105 REC	6.0	20		A		20	6.0	ROOM 103 REC	10
11	SPARE	-	20		B		20	6.0	ROOM 103 REC	12
13					A					14
15					B					16
17					A					18
19					B					20
21					A					22
23					B					24

TOTAL PHASE A = 315A TOTAL PHASE B = 300A

PANEL LPA GE ALF1424 JG-T6 SURFACE MOUNTED

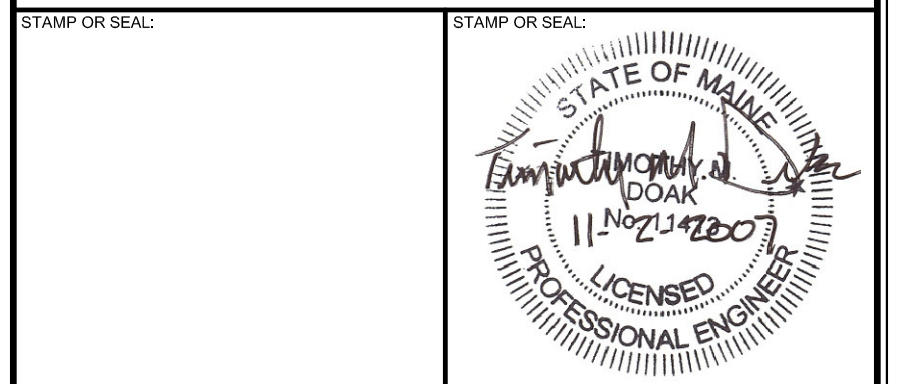
120/240 VOLTS 3-PHASE 4-WIRE 65,000 AIC 400 AMP MAIN BREAKER

CIRCUIT NO.	SERVICE	LOAD (VA)	BREAKER	NOTE	PH	NOTE	BREAKER	LOAD (VA)	SERVICE	CIRCUIT NO.
1	RM III LIGHTS NORTH	10.8	20		A		100	315	SUBPANEL LFB	2
3	RM III LIGHTS SOUTH	10.8	20		B		100	300	SUBPANEL LFB	4
5	RM'S 100, 106-108, 110 LGT'S	121	20		A		20	15	ROOM 100 EXTERIOR REC'S	6
7	RM'S 102, 103, 105 LGT'S	8.0	20		B		20	4.5	ROOM 101 REC'S	8
9	RM'S 102 & 104 LGT'S	8.0	20		A		20	4.5	ROOM 101 REC'S	10
11	EXTERIOR LIGHTS	5.3	20		B		20	6.0	ROOM 102 REC'S	12
13	EMERGENCY & EXIT LIGHTS	1.0	20		A		20	6.0	ROOM 102 REC'S	14
15	WELDER	20.0	30		B		20	4.5	ROOM 104 REC'S	16
17	WELDER	20.0	30		A		20	4.5	ROOM 104 REC'S	18
19	CHD OPENER	9.0	20		B		20	6.0	ROOM 100 REFRIGERATOR	20
21	CHD OPENER	9.0	20		A		20	10.0	ROOM 100 REC'S	22
23	CIRCULATOR PUMPS	3.5	20		B		20	8.0	ROOM 100 COFFEE MAKER	24
25	BOLLER	6.5	20		A		20	8.0	ROOM 100 SMALL APP. REC	26
27	WELL PUMP	13.5	25	3/4HP	B		20	10.0	ROOM 100 MICROWAVE REC	28
29	WELL PUMP	13.5	25	3/4HP	A		20	6.0	ROOM 100 101, 100 REC	30
31	UNIT HEATERS	12	20		B		20	4.5	ROOM III NORTH WALL REC'S	32
33	FUTURE LIEBERT UNIT		30		A		20	4.5	ROOM III EAST WALL REC'S	34
35	FUTURE LIEBERT UNIT		30		B		20	4.5	ROOM III SOUTH WALL REC'S	36
37	FUTURE LIEBERT UNIT		30		A		20	4.5	ROOM III WEST WALL REC'S	38
39	FUTURE LIEBERT UNIT		30		B		20			40
41					A					42

TOTAL PHASE A = 163.8A TOTAL PHASE B = 160.8A

LEGEND

GENERAL NOTES:



REVISIONS

#	DATE	DESCRIPTION	DRAWN	APPR.

PRELIMINARY
FOR REGULATORY REVIEW

CLIENT:
SGC ENGINEERING, LLC
501 COUNTY ROAD
WESTBROOK, MAINE 04092

PROJECT:
STETSON WIND PROJECT
EVERGREEN WIND POWER V
WASHINGTON COUNTY, MAINE

SHEET TITLE:
MAINTENANCE/SERVICE BUILDING
ELECTRICAL PANELS & DETAILS

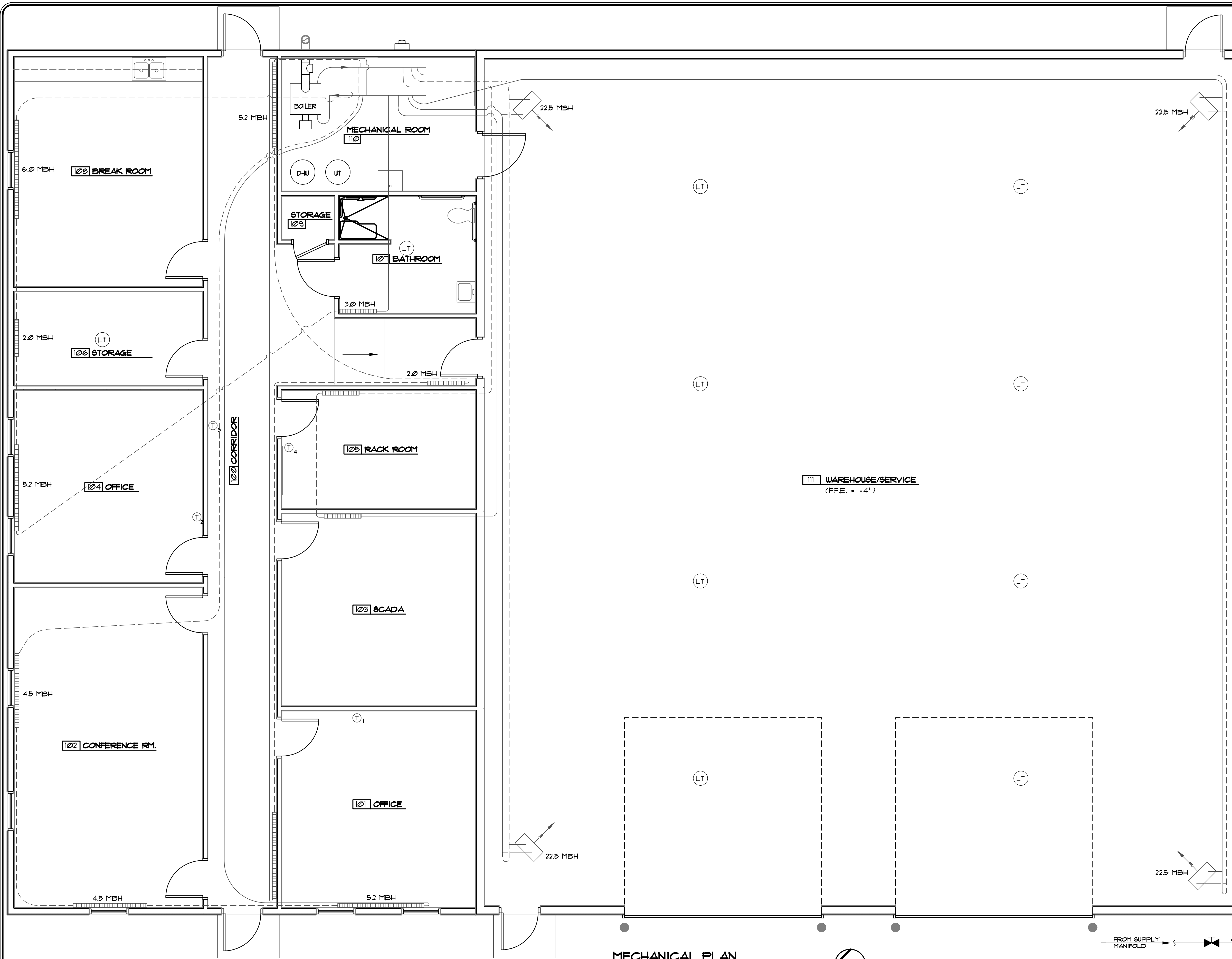
DESIGNED BY: BLC	BRSA PROJECT #: 2007156
DRAWN BY: BLC	BRSA CAD FILE #: ELECTRICAL
CHECKED BY: TMD	PLAN DATE: NOVEMBER 1, 2007
APPROVED BY: BDM	PLAN SCALE: AS SHOWN

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SHEET 12 OF 12

E-3

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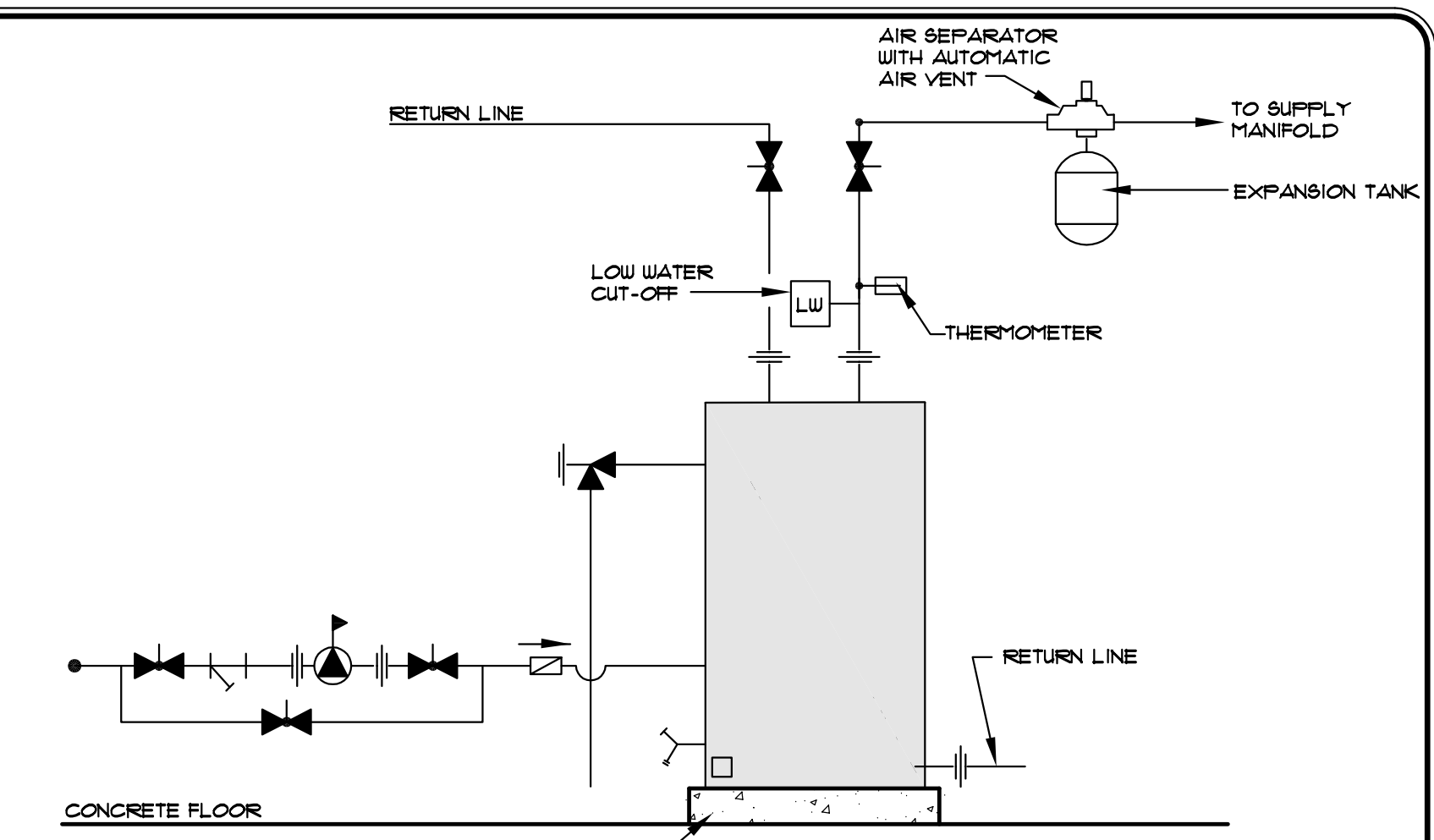


MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

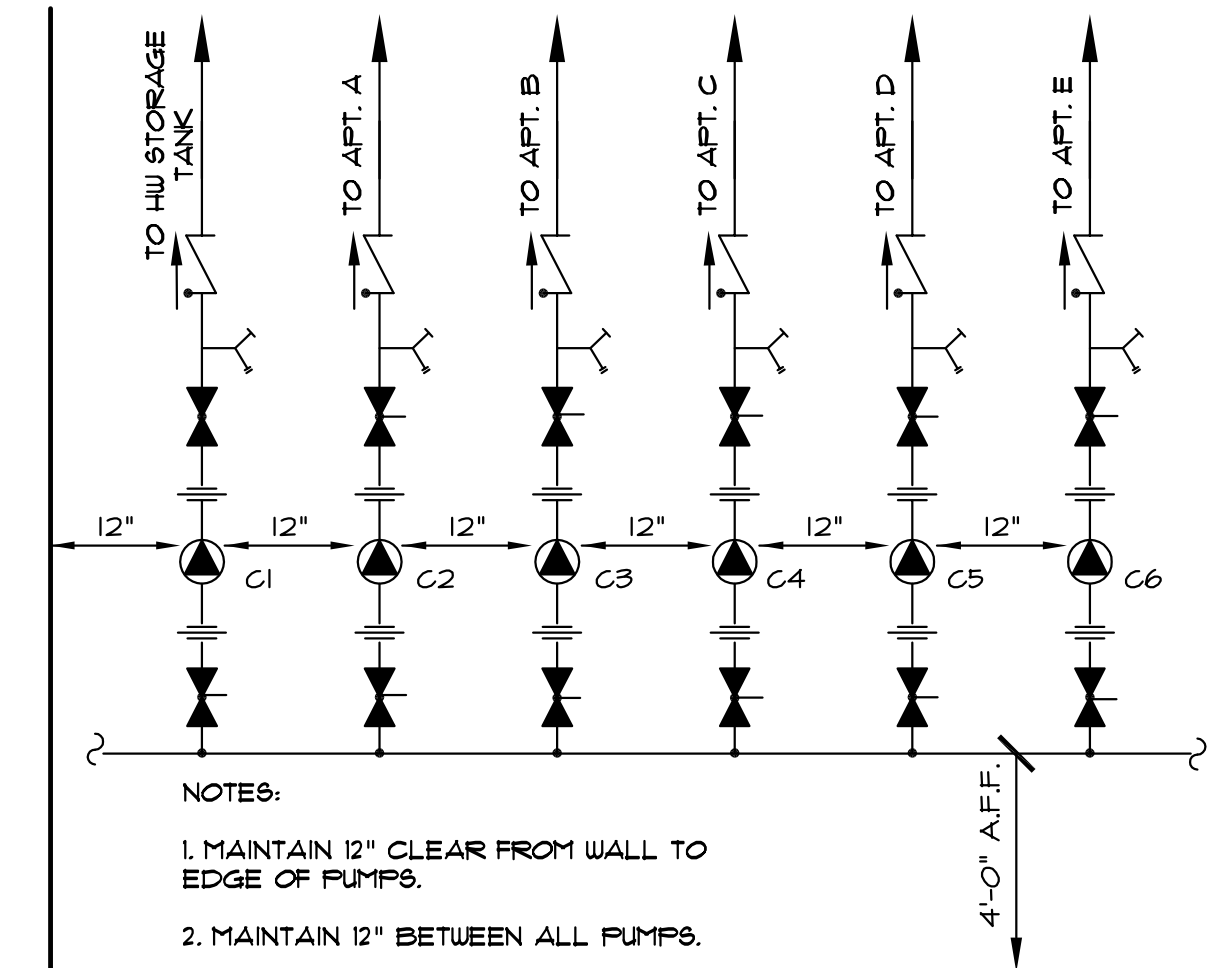
GENERAL NOTES:
1. BOILER ROOM LAYOUT SHOWN IS SCHEMATIC ONLY. ACTUAL LAYOUT MAY VARY, SUCH AS TANK ORIENTATION, SUPPLY LINES, ETC. CONTRACTOR SHALL COMPLETE THEIR OWN REVIEW OF EACH BOILER ROOM.

LEGEND

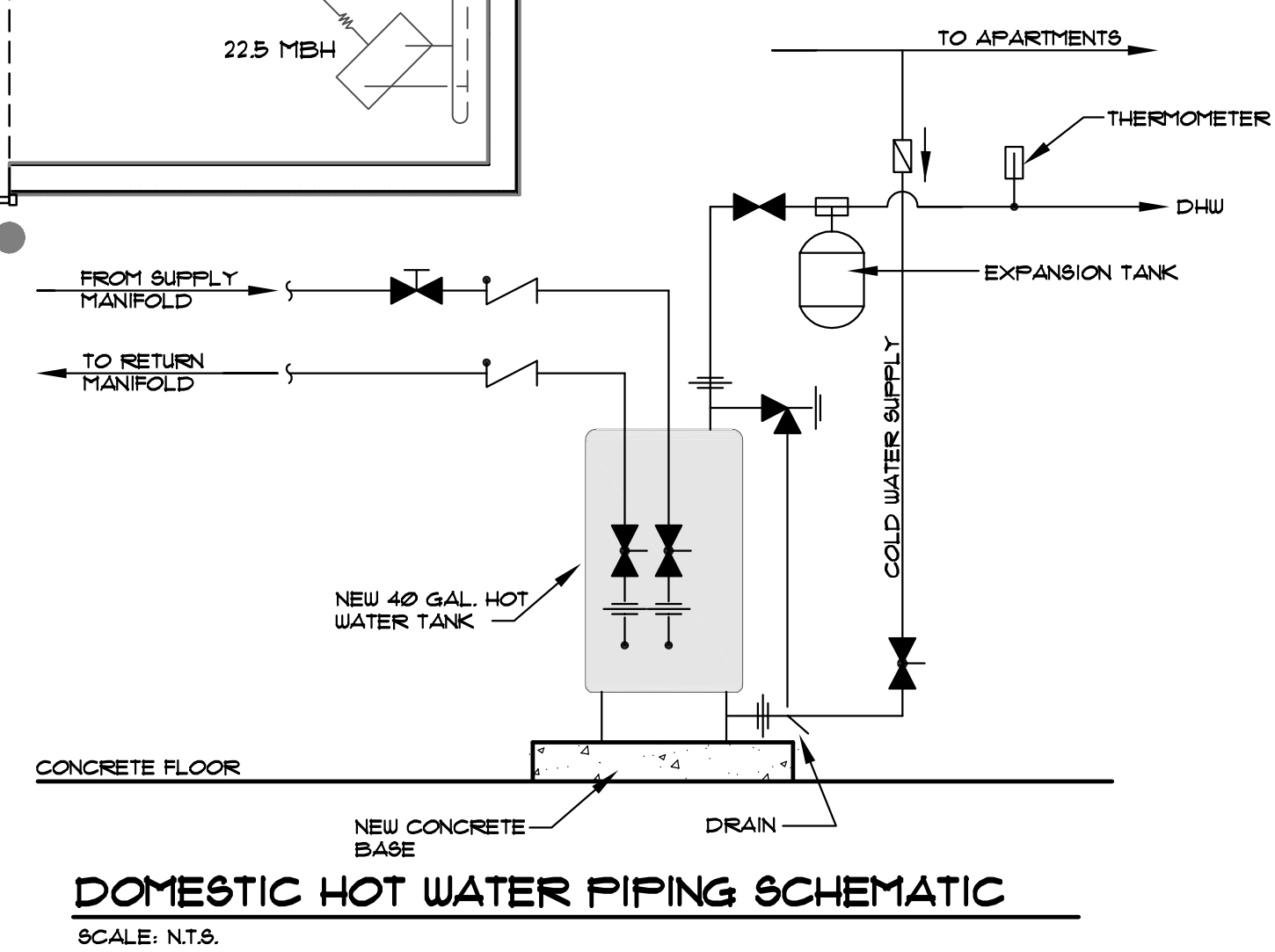
	RETURN WATER LINE
	SUPPLY WATER LINE
	BASEBOARD FINS
	UNIT HEATER
	THERMOSTAT



BOILER PIPING SCHEMATIC
SCALE: N.T.S.



SUPPLY MANIFOLD ELEVATION
SCALE: N.T.S.



DOMESTIC HOT WATER PIPING SCHEMATIC
SCALE: N.T.S.

BRSA
B.R. Smith Associates, Inc.
Surveying Engineering
P.O. Box 408, 11 Hall Street, Presque Isle, Maine 04769
Tel. 207.764.3661 Fax 207.764.5918

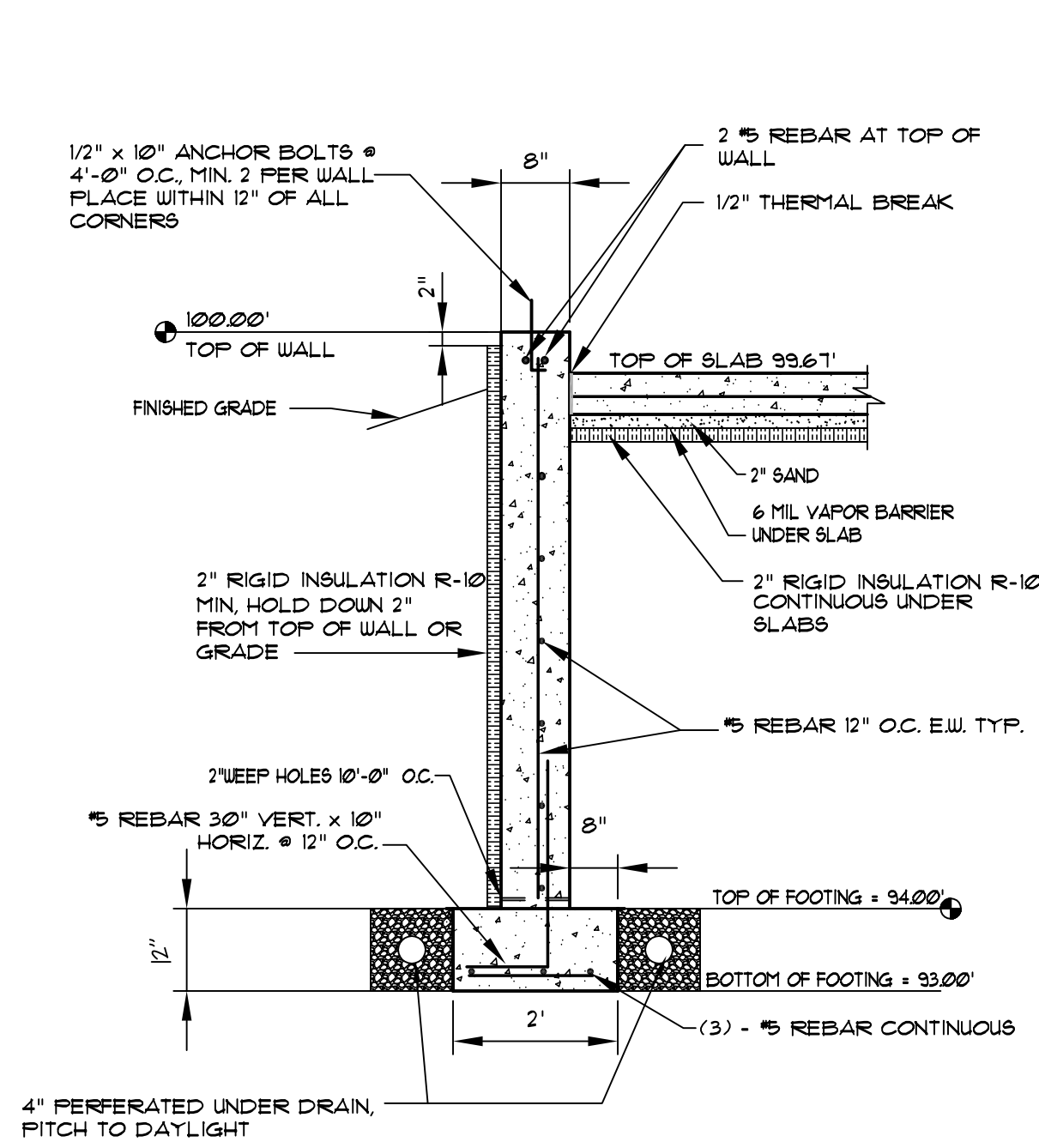
<p>STAMP OR SEAL:</p>	<p>STAMP OR SEAL:</p>										
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>DATE</th> <th>DESCRIPTION</th> <th>DRAWN</th> <th>APPD.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		#	DATE	DESCRIPTION	DRAWN	APPD.					
#	DATE	DESCRIPTION	DRAWN	APPD.							
<p>DRAWING STATUS: PRELIMINARY FOR REGULATORY REVIEW</p>											
<p>CLIENT: SGC ENGINEERING, LLC 501 COUNTY ROAD WESTBROOK, MAINE 04092</p>											
<p>PROJECT: STETSON WIND PROJECT EVERGREEN WIND POWER V WASHINGTON COUNTY, MAINE</p>											
<p>SHEET TITLE: MAINTENANCE/SERVICE BUILDING MECHANICAL PLAN & DETAILS</p>											
<p>DESIGNED BY: THD DRAWN BY: KAH CHECKED BY: THD APPROVED BY: THD</p>	<p>BRSA PROJECT #: 2007156 BRSA CAD FILE #: PLUMB-MECH PLAN DATE: NOVEMBER 1, 2007 PLAN SCALE: AS SHOWN</p>										
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<p>SHEET 9 OF 12</p> <p style="font-size: 2em; font-weight: bold;">M-1</p>											

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LEGEND

CONCRETE NOTES:

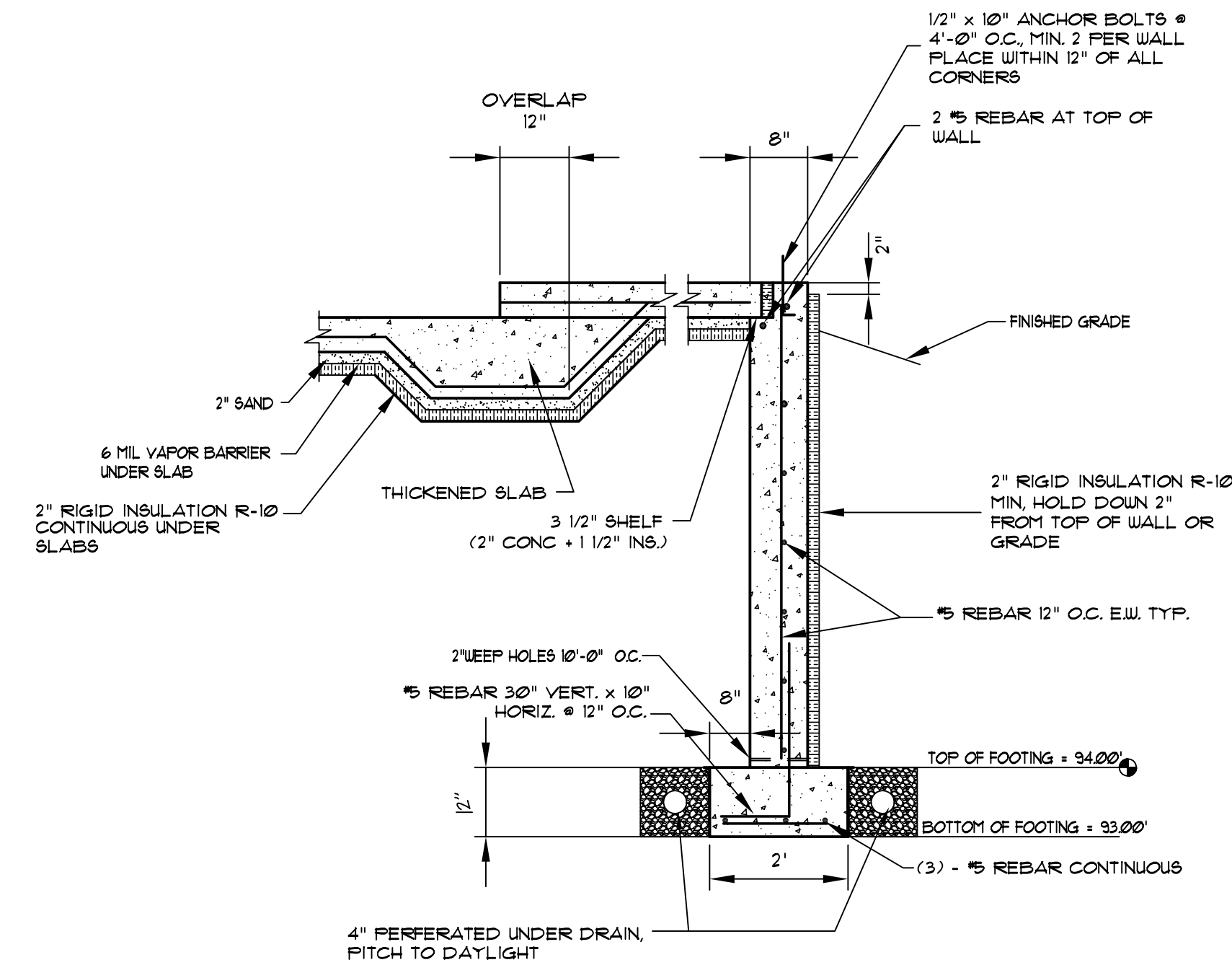
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
3. ALL REINFORCING BARS SHALL BE LAPPED 30 BAR DIA. AT 9PLICES.
4. C.J. INDICATES CONTROL JOINT.
5. COORDINATE CONCRETE WORK WITH OTHER TRADES AND PROVIDE BOND OUTS AS REQUIRED.
6. ALL WORK SHALL BE IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
7. CONCRETE SLAB FOURS SHALL BE LIMITED TO 40' IN LENGTH (MAX) IN ANY DIRECTION.
8. ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL. A MIN. OF 6'-0" BELOW FINISH GRADE UNLESS NOTED OTHERWISE, WITH AN ASSUMED BEARING CAPACITY OF 3000 PSF. CONTRACTOR SHALL NOTIFY ENGINEER IF SOIL CONDITIONS APPEAR UNACCEPTABLE.
9. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.
10. ALL CONCRETE SHALL BE KEPT AT MIN. 50 F BY APPROVED HEATING METHODS FOR A MIN. OF 14 DAYS FROM INITIAL POUR.
11. ALL FORMS SHALL REMAIN ON FOR A MIN. OF 5 DAYS FROM INITIAL POUR.
12. WHEN SLAB MEETS WALL A 1/2" THERMAL BREAK IS REQUIRED AT ALL EXTERIOR WALLS.
13. INSTALL WALL CONTROL JOINTS EVERY 25'.



TYPICAL WALL SECTION @ GARAGE

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

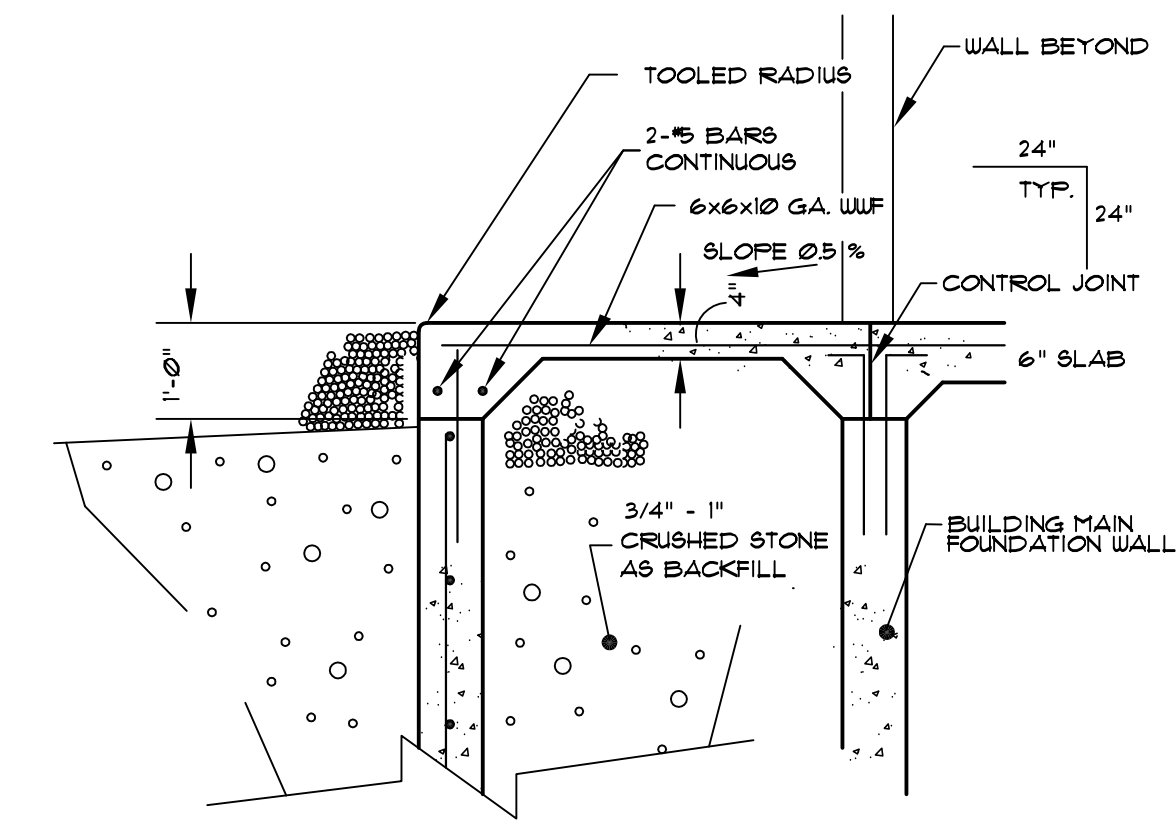
1
S2



TYPICAL WALL SECTION @ OFFICE

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

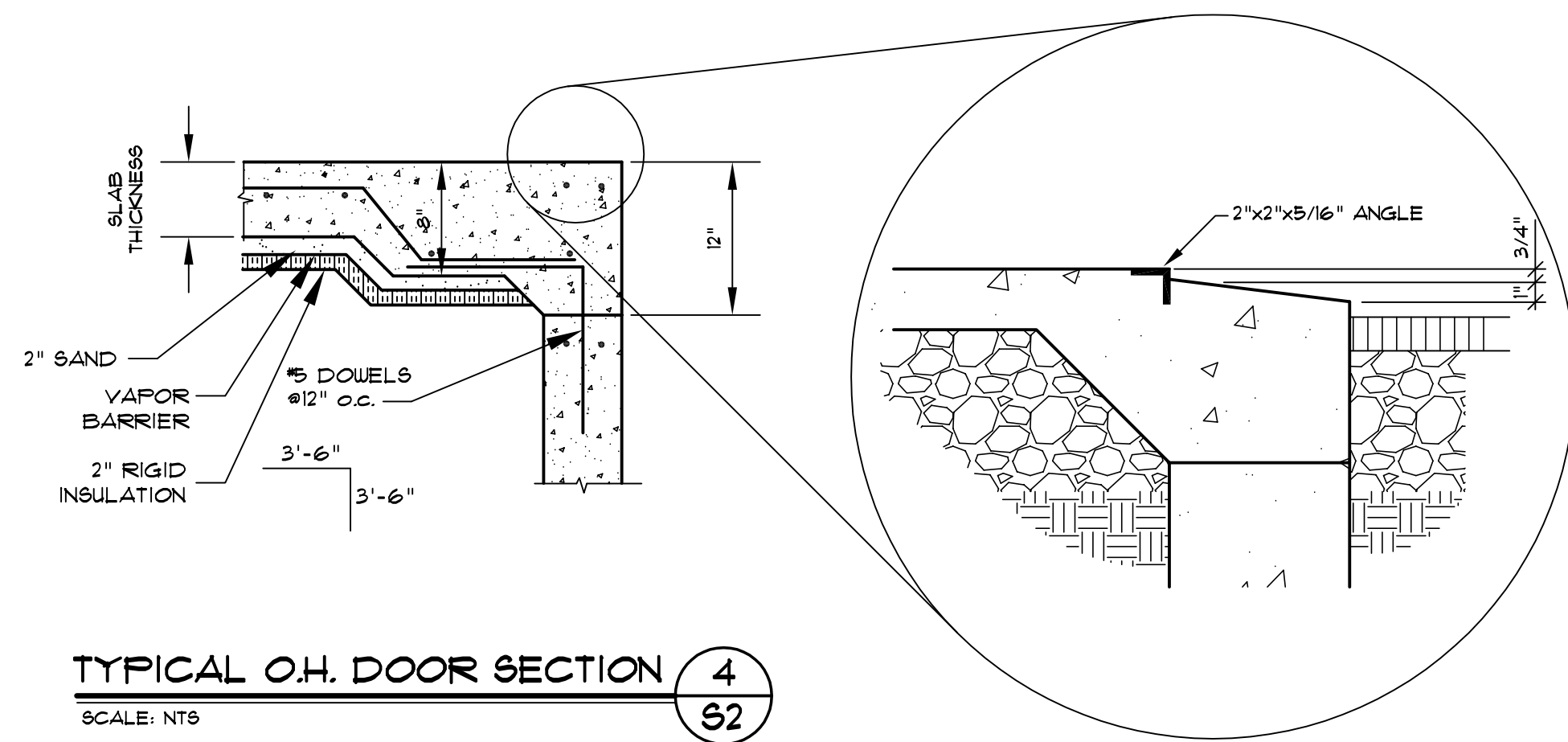
2
S2



TYP. EXTERIOR DOOR PASS DETAIL

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

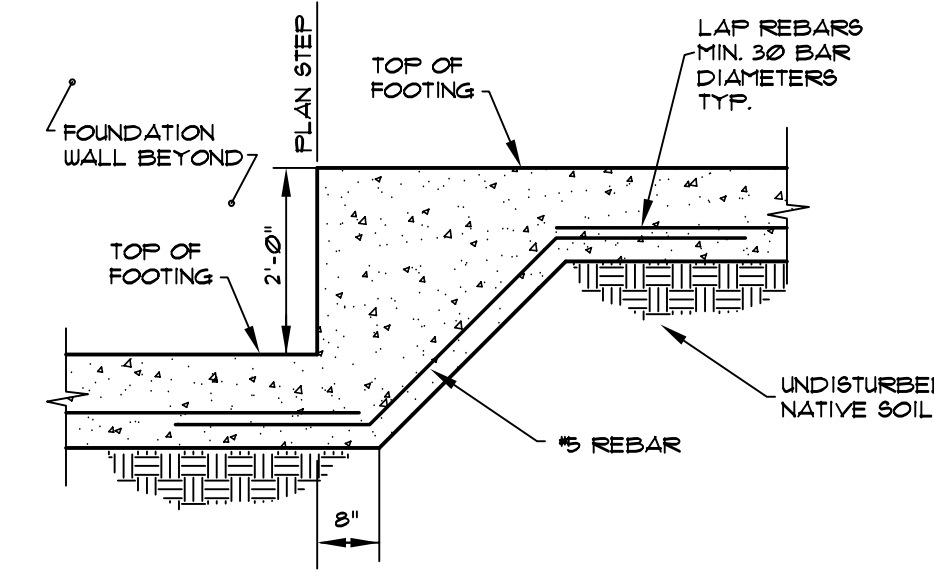
3
S2



TYPICAL O.H. DOOR SECTION

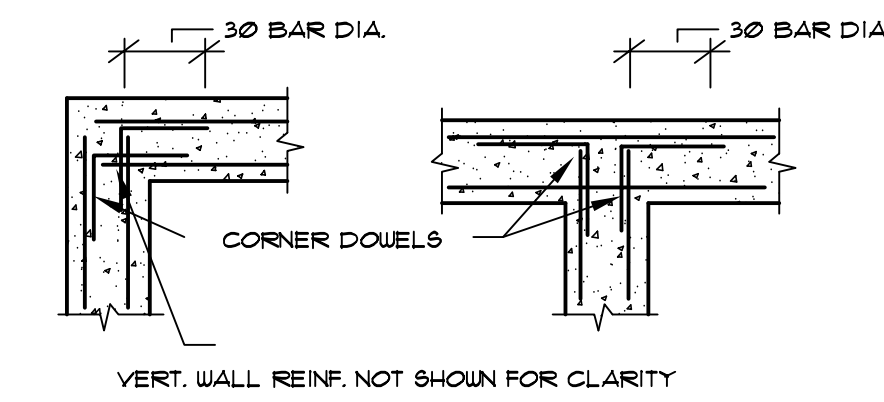
SCALE: NTS

4
S2



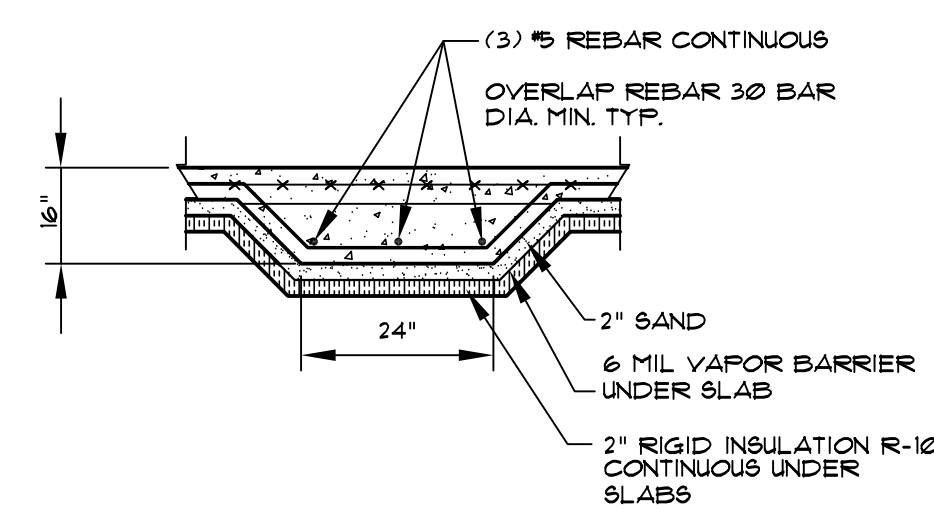
TYP. FOUNDATION STEP DETAIL

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



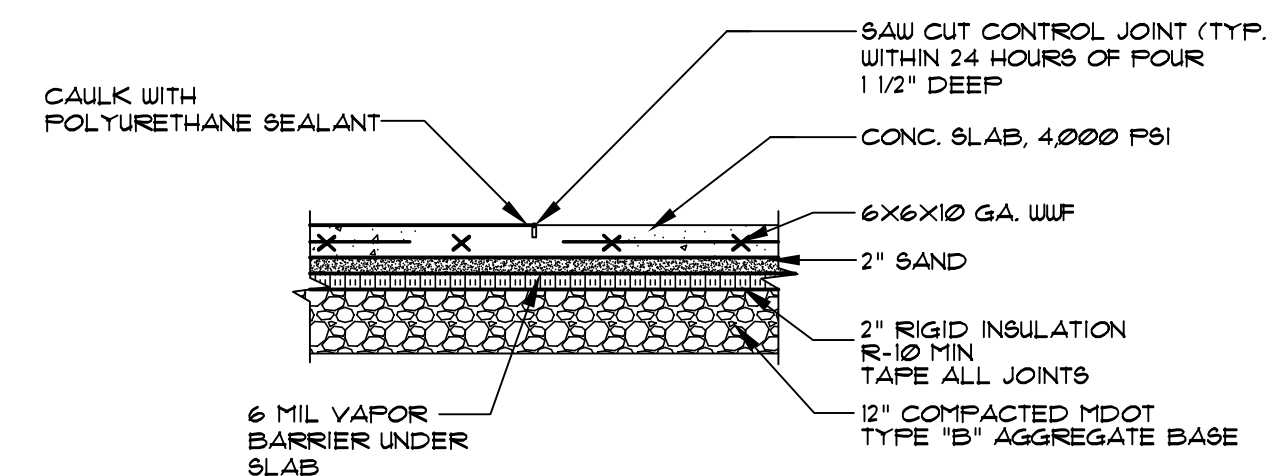
TYP. CORNER REINFORCING

SCALE: NTS



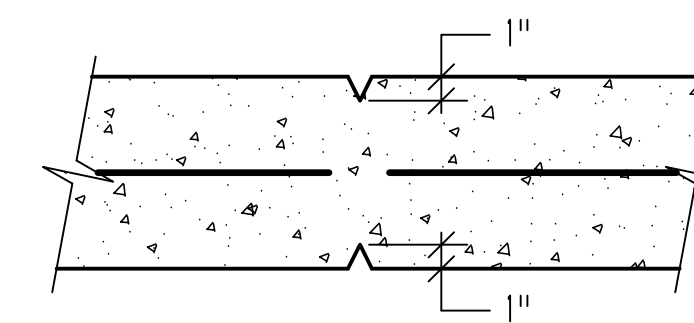
TYPICAL STRIP FOOTING AND THICKENED SLAB DETAIL

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



TYP. CONTROL JOINT DETAIL

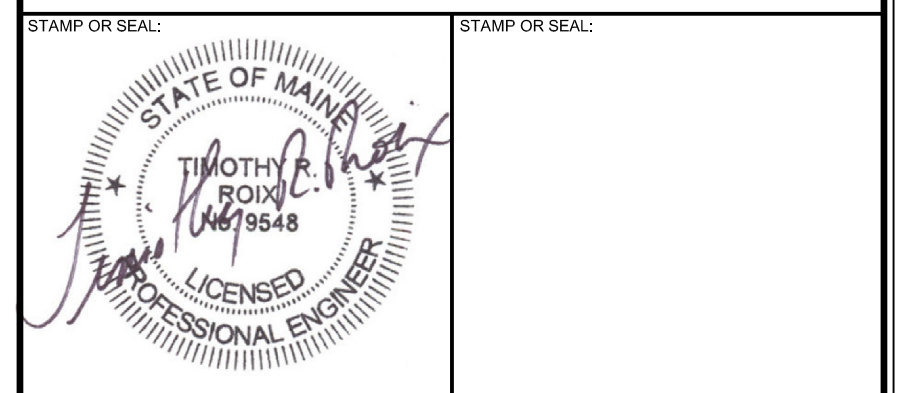
SCALE: 1/2" = 1'-0"



NOTE:
LOCATE @ 25' SPACING - MAX
CUT 1/2 HORIZ. BARS @ JOINT

TYPICAL WALL CONTROL JOINT DETAIL

SCALE: NTS



REVISIONS

#	DATE	DESCRIPTION	DRAWN	APPR.

DRAWING STATUS: **PRELIMINARY**
FOR REGULATORY REVIEW

CLIENT: **SGC ENGINEERING, LLC**
501 COUNTY ROAD
WESTBROOK, MAINE 04092

PROJECT: **STETSON WIND PROJECT**
EVERGREEN WIND POWER V
WASHINGTON COUNTY, MAINE

SHEET TITLE: **MAINTENANCE/SERVICE BUILDING**
DETAIL SHEET

DESIGNED BY: BLC	BRSA PROJECT #: 2007156
DRAWN BY: KAH	BRSA CAD FILE #: FOUNDATION
CHECKED BY: TMD	PLAN DATE: OCTOBER 30, 2007
APPROVED BY: TRR	PLAN SCALE: AS SHOWN

NO PORTION OF THIS PLAN MAY BE IN ANY WAY REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT INDICATED HEREON WITHOUT THE WRITTEN PERMISSION OF B.R. SMITH ASSOCIATES, INC.

SHEET 6 OF 12
S-2

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10 SHS
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION		>> Caution: Permit Required – Attach In Space Below <<
City, Town, or Plantation	T8 R3 NBPP	The Subsurface Wastewater Disposal System <i>shall not</i> be installed until a Permit is attached HERE by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.
Street or Road	ATLAS ROAD	
Subdivision, Lot #		

OWNER/APPLICANT INFORMATION	
Name (last, first, MI) STETSON MOUNTAIN WIND POWER PROJECT	Owner
Mailing Address of <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	c/o WOODLOT ALTERNATIVES 30 PARK DRIVE TOPSHAM, ME 04086
Daytime Tel. #	729-1199
Municipal Tax Map #	Lot #
	Lot N45d 30m 10s Lon. W67d 57m 0s

Owner or Applicant Statement	Caution: Inspections Required
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a permit.	I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.
Signature of Owner/Applicant _____ Date _____	Local Plumbing Inspector Signature _____ (1st) Date Approved _____ _____ (2nd) Date Approved _____

PERMIT INFORMATION

TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENTS
1. <input checked="" type="checkbox"/> First Time System 2. <input type="checkbox"/> Replacement System Type Replaced: _____ Year Installed: _____ 3. <input type="checkbox"/> Expanded System a. <input type="checkbox"/> Minor Expansion b. <input type="checkbox"/> Major Expansion 4. <input type="checkbox"/> Experimental System 5. <input type="checkbox"/> Seasonal Conversion	1. <input checked="" type="checkbox"/> No Rule Variance 2. <input type="checkbox"/> First Time System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 3. Replacement System Variance a. <input type="checkbox"/> Local Plumbing Inspector Approval b. <input type="checkbox"/> State & Local Plumbing Inspector Approval 4. <input type="checkbox"/> Minimum Lot Size Variance 5. <input type="checkbox"/> Seasonal Conversion Approval	1. <input checked="" type="checkbox"/> Complete Non-Engineered System 2. <input type="checkbox"/> Primitive System (graywater & airt toilet) 3. <input type="checkbox"/> Alternative Toilet, specify: _____ 4. <input type="checkbox"/> Non-Engineered Treatment Tank (only) 5. <input type="checkbox"/> Holding Tank, _____ Gallons 6. <input type="checkbox"/> Non-Engineered Disposal Field (only) 7. <input type="checkbox"/> Separated Laundry System 8. <input type="checkbox"/> Complete Engineered System (2000 gpd+) 9. <input type="checkbox"/> Engineered Treatment Tank (only) 10. <input type="checkbox"/> Engineered Disposal Field (only) 11. <input type="checkbox"/> Pre-treatment, specify: 12. <input type="checkbox"/> Miscellaneous components
SIZE OF PROPERTY	DISPOSAL SYSTEM TO SERVE	PROPOSED TYPE OF WATER SUPPLY
_____ sq. ft. _____ acres	1. <input type="checkbox"/> Single Family Dwelling Unit, No. of Bedrooms: _____ 2. <input type="checkbox"/> Multiple Family Dwelling, No. of Units: _____ 3. <input checked="" type="checkbox"/> Other: OPERATION & MAINTENANCE BUILDING SPECIFY _____ Current Use <input type="checkbox"/> Seasonal <input type="checkbox"/> Year Round <input checked="" type="checkbox"/> Undeveloped	1. <input checked="" type="checkbox"/> Drilled Well 2. <input type="checkbox"/> Dug Well 3. <input type="checkbox"/> Private 4. <input type="checkbox"/> Public 5. <input type="checkbox"/> Other:
SHORELAND ZONING		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE	GARBAGE DISPOSAL UNIT	DESIGN FLOW
1. <input checked="" type="checkbox"/> Concrete a. <input checked="" type="checkbox"/> Regular b. <input type="checkbox"/> Low Profile 2. <input type="checkbox"/> Plastic 3. <input type="checkbox"/> Other: _____ CAPACITY <u>1000</u> gallons	1. <input type="checkbox"/> Stone Bed 2. Stone Trench 3. <input checked="" type="checkbox"/> Proprietary Device a. <input type="checkbox"/> Cluster array c. <input checked="" type="checkbox"/> Linear b. <input checked="" type="checkbox"/> Regular d. <input type="checkbox"/> H-20 loaded 4. <input type="checkbox"/> Other: SIZE <u>1500</u> sq. ft. <input type="checkbox"/> lin. ft. 30 PLASTIC CHAMBER UNITS	1. <input checked="" type="checkbox"/> No 3. <input type="checkbox"/> Maybe 2. <input type="checkbox"/> Yes >> Specify one below: a. <input type="checkbox"/> Multi-compartment tank b. <input type="checkbox"/> _____ tanks in series c. <input type="checkbox"/> Increase in tank capacity d. <input type="checkbox"/> Filter on tank outlet	300 gallons per day BASED ON: 1. <input checked="" type="checkbox"/> Table 501.1 (dwelling unit(s)) 2. <input type="checkbox"/> Table 501.2 (other facilities) SHOW CALCULATIONS - for other facilities - OPERATION & MAINTENANCE BUILDING 10 - 15 EMPLOYEES @ 15 GALLONS PER DAY EACH 3. <input type="checkbox"/> Section 503.0 (meter readings) ATTACH WATER-METER DATA
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECTOR PUMP	
PROFILE _____ CONDITION _____ DESIGN _____ AT Observation Hole # <u>TP 27</u> Depth <u>23</u> " OF MOST LIMITING SOIL FACTOR	1. <input type="checkbox"/> Small - 2.0 sq.ft./gpd 2. <input type="checkbox"/> Medium - 2.6 sq.ft./gpd 3. <input type="checkbox"/> Medium-Large - 3.3 sq.ft./gpd 4. <input checked="" type="checkbox"/> Large - 4.1 sq.ft./gpd 5. <input type="checkbox"/> Extra-Large - 5.0 sq.ft./gpd	1. <input type="checkbox"/> Not required 2. <input checked="" type="checkbox"/> May be required 3. <input type="checkbox"/> Required >> Specify only for engineered or experimental systems: DOSE: _____ Gallons	

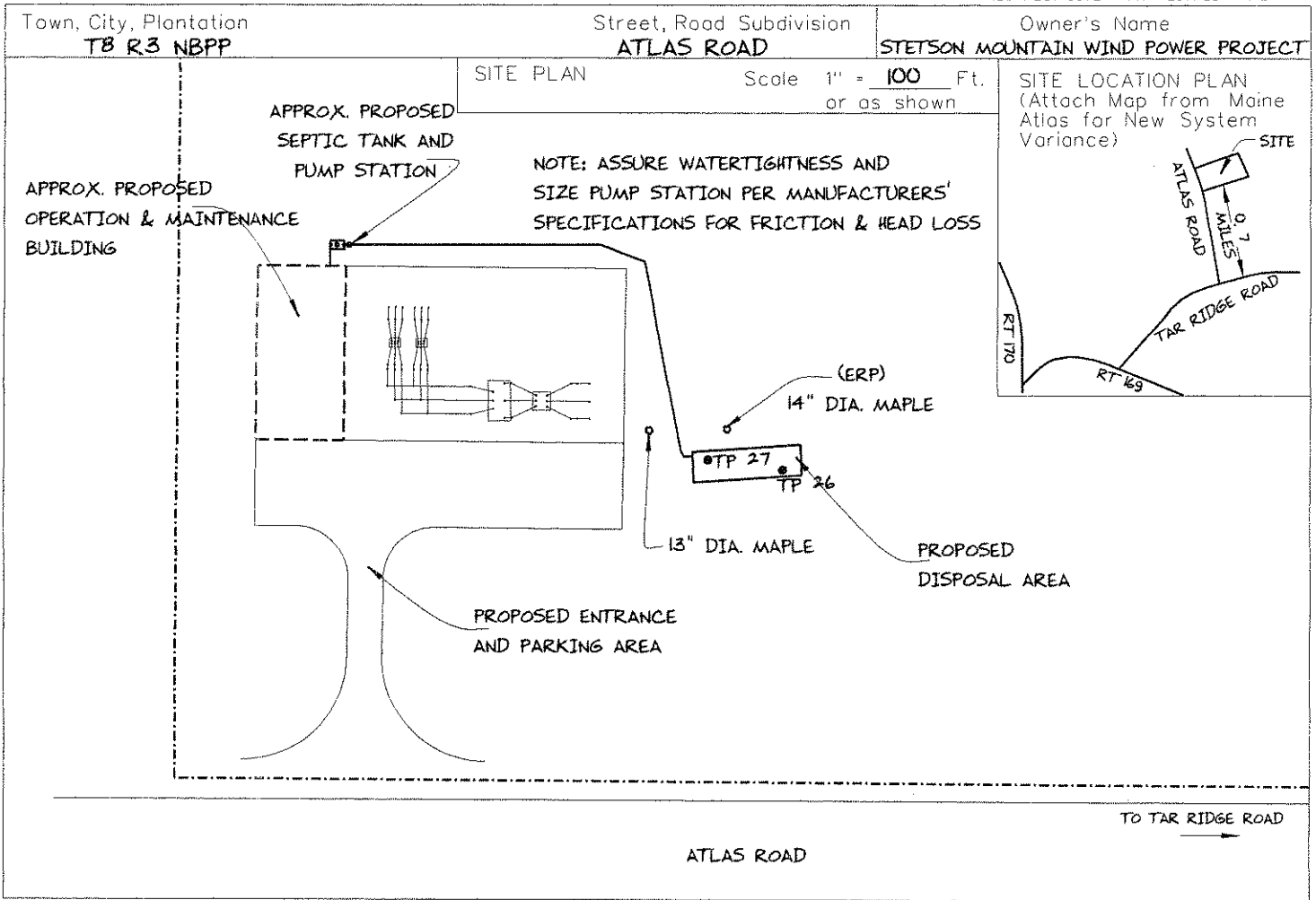
SITE EVALUATOR STATEMENT

I certify that on 12/19/2006 (date) I completed a site evaluation on this property and state that the data reported is accurate and that the proposed system is in compliance with the Subsurface Wastewater Disposal Rules (10-14.4A CMR 241).

 Site Evaluator Signature	163 SE #	<u>1/12/2007</u> Date
ALBERT FRICK Site Evaluator Name Printed	(207) 839-5563 Telephone Number	AFA@MAINERR.COM E-mail Address

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering, Station 10, SHS
(207) 287-5672 FAX (207) 287-4172



SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP 26 Test Pit Boring
" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN	
GRAVELLY			
SILT	FRIABLE	DARK	
LOAM		YELLOW	
		BROWN	
		OLIVE BROWN	FEW, FAINT
CHANNERY	SOMEWHAT	OLIVE	COMMON,
SILT	TO		FAINT
LOAM	FIRM		
LIMIT OF EXCAVATION			

Soil Classification: I C
Profile Condition

Slope: _____ %

Limiting Factor: 20"

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Observation Hole TP 27 Test Pit Boring
" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN	
CHANNERY			
SILT	FRIABLE	DARK	
LOAM		YELLOW	
		BROWN	
		OLIVE BROWN	FEW, FAINT
BEDROCK (REFUSAL)			

Soil Classification: I A/C
Profile Condition

Slope: _____ %

Limiting Factor: 25"

Ground Water
 Restrictive Layer
 Bedrock
 Pit Depth

Albert Frick
Site Evaluator Signature

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SE *

1/12/2007
Date

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SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
 Division of Health Engineering, Station 10 SHS
 (207) 287-5672 FAX (207) 287-4172

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

T8 R3 NBPP

ATLAS ROAD

STETSON MOUNTAIN WIND POWER PROJECT

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE 1" = 20 FT.

NEW 1000 GALLON CONCRETE SEPTIC TANK LOCATE WHERE FEASIBLE, 8' MIN. FROM BUILDING STRUCTURE SET AT HIGH ENOUGH ELEVATION TO PROVIDE GRAVITY FLOW OR PROVIDE PUMP STATION

ERP: NAIL IN 14" DIA. MAPLE 60" ABOVE GROUND LEVEL

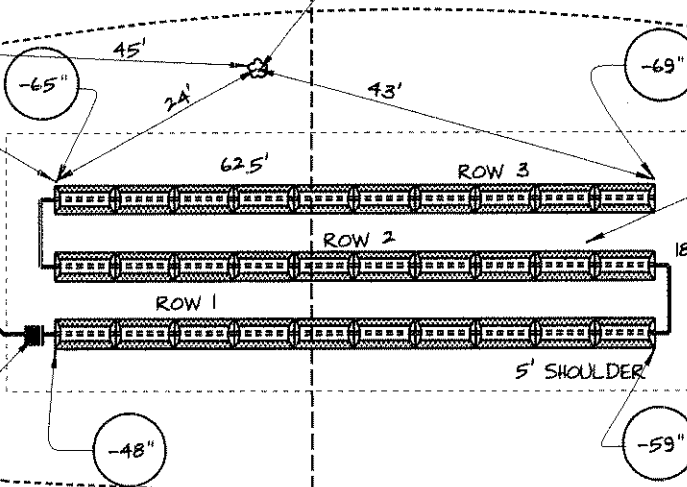
EXISTING GRADE AT CORNER.

PUMP STATION (IF NEEDED)

13" DIA. MAPLE

IF PUMPING USE 1 1/2" TO 2" DIA. EFFLUENT LINE BURIED BELOW FROST OR INSULATE TO PROTECT FROM FREEZING OR IF GRAVITY FLOW USE 4" DIA. SDR35 SOLID ABS

DISTRIBUTION BOX (BOTTOM FEED IF PUMPING)



PROPOSED DISPOSAL AREA (3 ROWS OF 10 HIGH CAPACITY PLASTIC CHAMBER UNITS EACH)

NOTE: THOROUGHLY SCARIFY (WITH ROTOTILLER OR EXCAVATOR TEETH) UNDER ENTIRE DISPOSAL FIELD, SHOULDER AREA, & FILL EXTENSION AREA PRIOR TO FILL PLACEMENT, THEN MIX FIRST 6" LIFT OF FILL INTO EXISTING SOIL SURFACE TO PROMOTE MIXING

CROSS SECTION

APPROXIMATE TOE OF FILL

FILL REQUIREMENTS

Depth of Fill (Upslope) : 28" - 39"
 Depth of Fill (Downslope) : 29" - 33"
 DEPTHS AT CROSS-SECTION (shown below)

CONSTRUCTION ELEVATIONS

Finished Grade Elevation
 Top of Distribution Pipe or Proprietary Device
 Bottom of Disposal Area

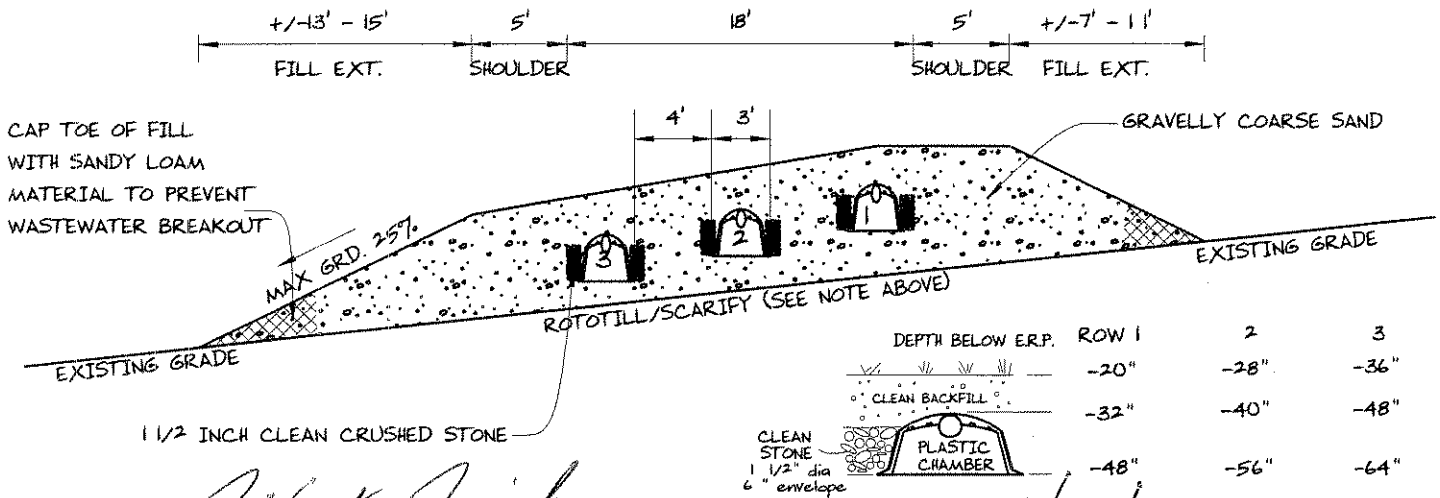
SEE
 DETAIL
 BELOW

ELEVATION REFERENCE POINT

Location & Description 14" DIA. MAPLE NAIL 60" ABOVE BASE
 Reference Elevation is: 0.0" or -----

DISPOSAL AREA CROSS SECTION

SCALE:
 VERTICAL: 1" = 5 FT
 HORIZONTAL: 1" = 10 FT

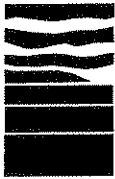


Albert Frick
 Site Evaluator Signature

163
 SE *

1/12/2007
 Date

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 HHE-200 Rev. 10/02



Albert Frick Associates, Inc.

Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038

(207) 839-5563

T8 R3 NBPP

ATLAS ROAD

STETSON MOUNTAIN WIND POWER PROJECT

TOWN

LOCATION

APPLICANT'S NAME

1) The Plumbing and Subsurface Wastewater Disposal Rules adopted by the State of Maine, Department of Human Services pursuant to 22 M.R.S.A. § 42 (the "Rules") are incorporated herein by reference and made a part of this application and shall be consulted by the owner/applicant, the system installer and/or building contractor for further construction details and material specifications. The system Installer should contact Albert Frick Associates, Inc. 839-5563, if there are any questions concerning materials, procedures or designs. The system installer and/or building contractor installing the system shall be solely responsible for compliance with the Rules and with all state and municipal laws and ordinances pertaining to the permitting, inspection and construction of subsurface wastewater disposal systems.

2) This application is intended to represent facts pertinent to the Rules only. It shall be the responsibility of the owner/applicant, system Installer and/or building contractor to determine compliance with and to obtain permits under all applicable local, state and/or federal laws and regulations (including, without limitation, Natural Resources Protection Act, wetland regulations, zoning or ordinances, subdivision regulations, Site Location of Development Act and minimum lot size laws) before installing this system or considering the property on which the system is to be installed a "buildable" lot. It is recommended that a wetland scientist be consulted regarding wetland regulations. Prior to the commencement of construction/installation, the local plumbing inspector or Code Enforcement Officer shall inform the owner/applicant and Albert Frick Associates, Inc of any local ordinances which are more restrictive than the Rules in order that the design may be amended. All designs are subject to review by local, state and/or federal authorities. Albert Frick Associates, Inc.'s liability shall be limited to revisions required by regulatory agencies pursuant to laws or regulations in effect at the time of preparation of this application.

3) All information shown on this application relating to property lines, well locations, subsurface structures and underground facilities (such as utility lines, drains, septic systems, water lines, etc.) are based solely upon information provided by the owner/applicant and has been relied upon by Albert Frick Associates, Inc. in preparing this application. The owner/applicant shall review this application prior to the start of construction and confirm this information. Well locations on abutting properties but not readily visible above grade should be confirmed by the owner/applicant prior to system installation to assure minimum setbacks.

4) Installation of a garbage (grinder) disposal is not recommended. If one is installed, an additional 1000 gallon septic tank or a septic tank filter shall be connected in series to the proposed septic tank.

5) The system user shall avoid introducing kitchen grease or fats into this system. Chemicals such as septic tank cleaners and/or chlorine (such as from water treatment units) and controlled or hazardous substances shall not be disposed of in this system. Additives such as yeast or enzymes are discouraged, since they have not been proven to extend system life.

6) The septic tank should be pumped within two years of installation and subsequently as recommended by the pump service, but in no event should the septic tank be pumped less often than every three years. All septic tank, pump stations and additional treatment tanks shall be installed to prevent ground water and surface water infiltration.

TOWN	LOCATION	APPLICANT'S NAME
------	----------	------------------

7) The actual water flow or number of bedrooms shall not exceed the design criteria indicated on this application without a re-evaluation of the system as proposed. If the system is supplied by public water or a private service with a water meter, the water consumption per period should be divided by the number of days to calculate the average daily water consumption (water usage (cu. ft.) x 7.48 cu. ft. (gallons per cu. ft.) divided by the # of days in period).

8) The general minimum setbacks between a well and septic system serving a single family residence is 100-300 feet, unless the local municipality has a more stringent requirement. A well installed by an abutter within the minimum setback distances prior to the issuance of a permit for the proposed disposal system may void this design.

9) When a gravity system is proposed: BEFORE CONSTRUCTION/INSTALLATION BEGINS, the system installer or building contractor shall review the elevations of all points given in this application and the elevation of the existing and/or proposed building drain and septic tank inverts for compatibility to minimum slope requirement. In gravity systems, the invert of the septic tank(s) outlet(s) shall be at least 4 inches above the invert of the distribution box outlet at the disposal area. When an effluent pump is required, provisions shall be made to make certain that surface ground water does not enter the septic tank or pump station, by sealing/grouting all seams and connections, and by placement of a riser and lid at or above grade. An alarm device warning of a pump failure shall be installed. Also, when pumping is required of a chamber system, install a "T" connection in the distribution box and place 3 inches of stone or a splash plate in the first chamber. Insulate gravity pipes, pump lines and the distribution box as necessary to prevent freezing.

10) On all systems, remove the vegetation, organic duff and old fill material from under the disposal area and any fill extension. On sites where the proposed system is to be installed in natural soil, scarify the bottom and sides of the excavated disposal area with a rake. Do not use wheeled equipment on the scarified soil surface. For systems installed in fill, scarify the native soil by roto-tilling to a depth of at least 8 inches over the entire disposal and fill extension area to prevent glazing and to promote fill bonding. Place fill in loose layers no deeper than 8 inches and compact before placing more fill (this ensures that voids and loose pockets are eliminated to minimize the chance of leakage or differential setting). Do not use wheeled equipment on the scarified soil area until after 12 inches of fill is in place. Keep equipment off proprietary devices. Divert the surface water away from the disposal area by ditching or shallow landscape swales.

11) Unless noted otherwise, fill shall be gravelly coarse sand, which contains no more than 5% fines (silt and clay).

12) Do not install systems on loamy, silty, or clayey soils during wet periods since soil smearing/glazing may seal off the soil interface.

13) Seed all filled and disturbed surfaces with perennial grass seed, then mulch with hay or equivalent material to prevent erosion. Alternatively, bark or permanent landscape mulch may be used to cover system. Woody trees or shrubs are not permitted on the disposal area or fill extensions.



Albert Frick Associates, Inc.
Soil Scientists & Site Evaluators

95A County Road Gorham, Maine 04038
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