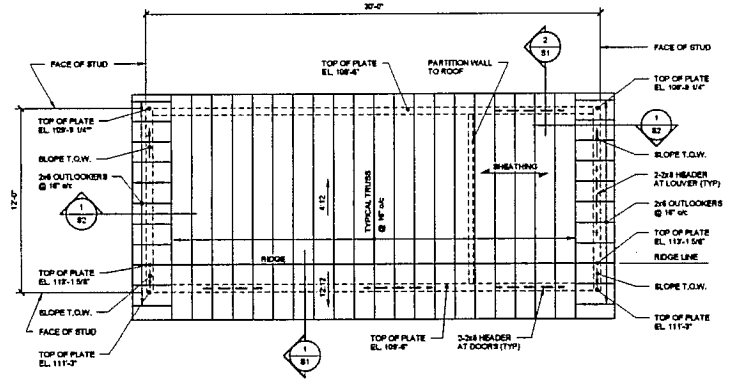
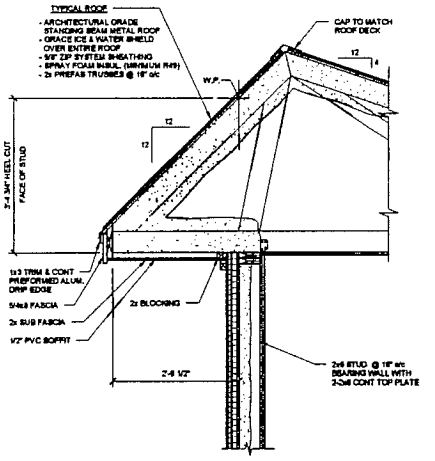
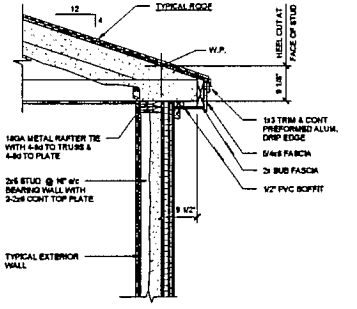


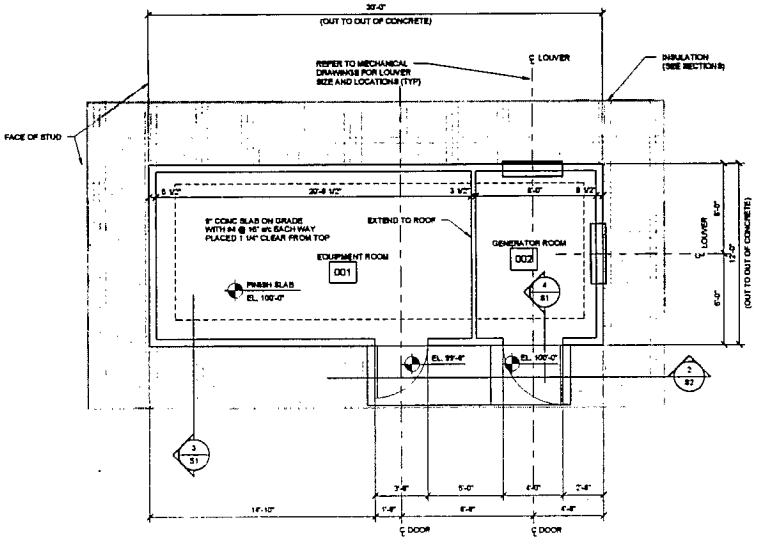
ROOF FRAMING PLAN
1/4" = 1'-0"



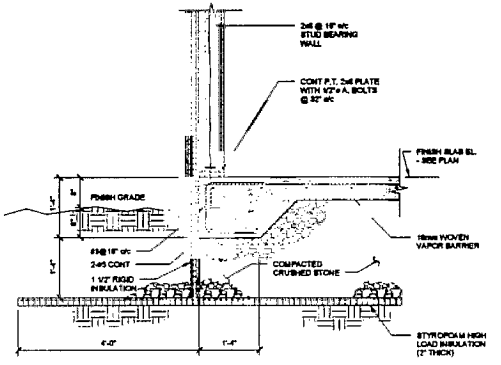
SECTION
3/4" = 1'-0"



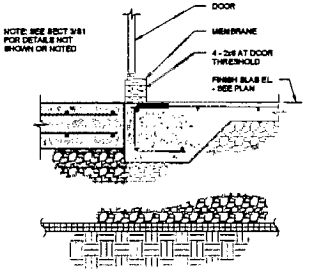
SECTION
3/4" = 1'-0"



FOUNDATION AND EQUIPMENT BUILDING FLOOR PLAN
1/4" = 1'-0"



SECTION
3/4" = 1'-0"



SECTION
3/4" = 1'-0"

PROGRESS DRAWING
NOT FOR CONSTRUCTION
8/7/15

DuBois & King inc
ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
6 GREEN TREE DRIVE
SO. BURLINGTON, VT 05403
RANDOLPH, VT
SPRINGFIELD, VT
BEDFORD, NH
LACONIA, NH
© Copyright 2015 Dubois & King Inc.

PROFESSIONAL SEAL
NOT FOR CONSTRUCTION
PRELIMINARY PLANS

NO.	DATE	DESCRIPTION	BY	CK'D

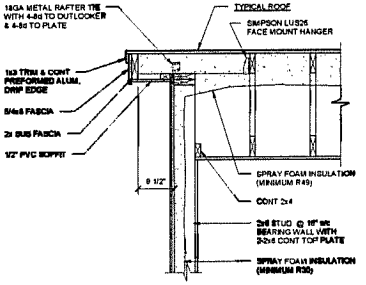
verizon wireless

VERMONT 12x30
EQUIPMENT SHELTER

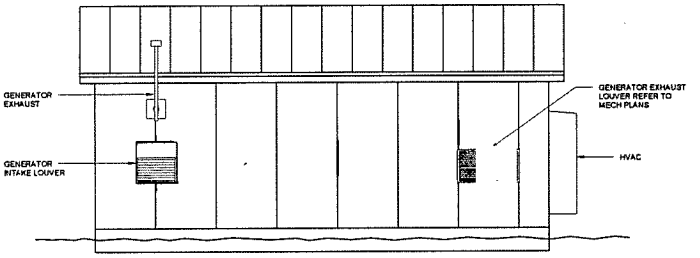
SHEET TITLE
PLANS AND SECTIONS

DRAWN BY	DATE
JTM	AUG. 2015
CHECKED BY	D&K PROJECT #
TFB	
PROJ. ENG.	D&K INITIATIVE #
LJH	

SHEET NUMBER
S1

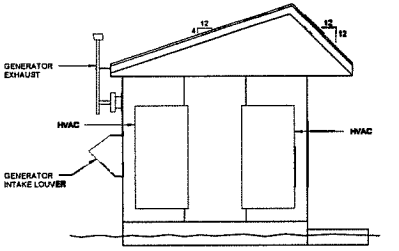


1 S2 SECTION
3/4" = 1'-0"

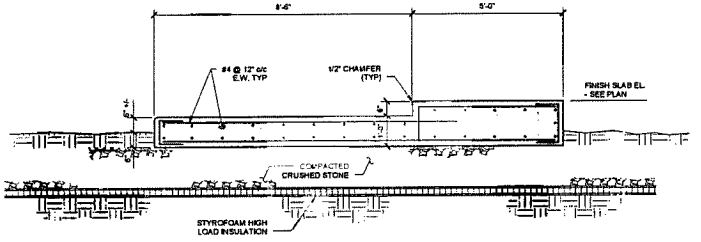


NORTH ELEVATION
1/4" = 1'-0"

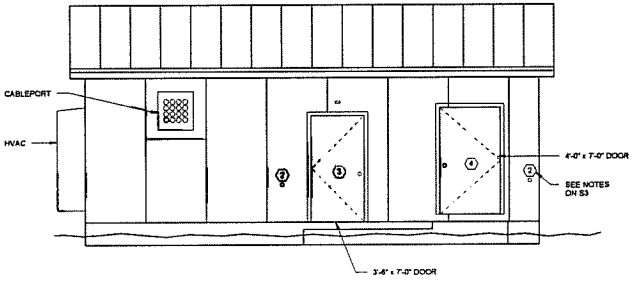
1. ALL MECHANICAL AND ELECTRICAL EQUIPMENT TO BE INSTALLED WHERE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.



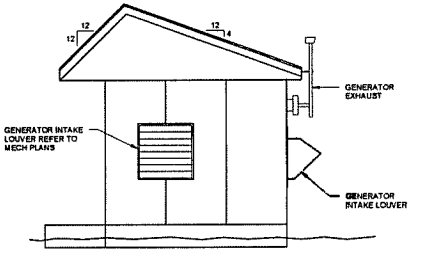
WEST ELEVATION
1/4" = 1'-0"



2 S2 SECTION
1/2" = 1'-0"



SOUTH ELEVATION
1/4" = 1'-0"



EAST ELEVATION
1/4" = 1'-0"

PROGRESS DRAWING
NOT FOR CONSTRUCTION
8/7/15

DuBois & King inc
ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
6 GREEN TREE DRIVE
SO. BURLINGTON, VT 05403
TEL. (802) 878-7661
FAX: (866) 783-7101
www.dubois-king.com
RANDOLPH, VT
SPRINGFIELD, VT
BEDFORD, NH
LACONIA, NH
© Copyright 2015 Dubois & King Inc.

PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CK'D

verizon wireless

VERMONT 12x30
EQUIPMENT SHELTER

SHEET TITLE
ELEVATIONS AND SECTIONS

DRAWN BY	DATE
JTM	AUG. 2015
CHECKED BY	D&K PROJECT #
TFB	
PROJ. ENG.	D&K ARCHIVE #
LJH	

SHEET NUMBER
S2

WALL SCHEDULE

RM NO	ROOM NAME			WALL TYPE				CEILING		REMARKS
				FRONT	PARTITION	BACK	SIDE	TYPE	HGT	
101	GENERATOR ROOM			1	2	1	1	4	9'-6"	
102	EQUIPMENT ROOM			1	2	1	1	5	9'-6"	

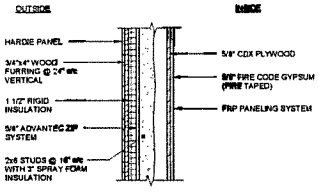
ROOM FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR		WALL FINISH				CEILING		REMARKS
				FRONT	PARTITION	BACK	SIDE	FIN	HGT	
101	GENERATOR ROOM	Membrane		PNT	PNT	PNT	PNT	PNT	9'-6"	
102	EQUIPMENT ROOM	VCT		FRP	PLYWOOD	FRP	FRP	FRP	9'-6"	

PNT = PAINTED

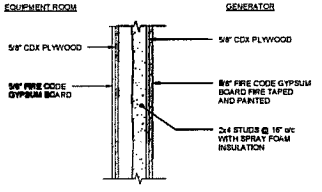
FRP = FIBER REINFORCED PLASTIC

VCT = VINYL COMPOSITE TILE (3 COLOR PATTERN TO BE CONFIRMED WITH VERIZON)



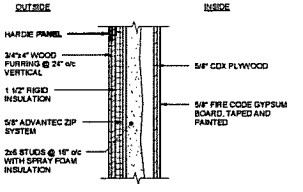
WALL TYPE 1

1" = 1'-0"



WALL TYPE 2

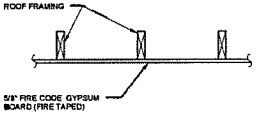
1" = 1'-0"



WALL TYPE 3

1" = 1'-0"

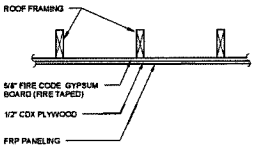
1. EXTEND WALL FULL HEIGHT TO ROOF.
2. INSULATE WALL FULL HEIGHT TO ROOF.



CEILING TYPE 4

1" = 1'-0"

(GENERATOR ROOM)



CEILING TYPE 5

1" = 1'-0"

(EQUIPMENT ROOM)

GENERAL

1. USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS, ELECTRICAL, MECHANICAL AND SITE DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, AND REGULATIONS.
3. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
4. DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO ENGINEER BEFORE PROCEEDING WITH THE WORK.

EARTHWORK

1. COMPACTED CRUSHED STONE MATERIAL: WASHED, NARROWLY GRADED MIXTURE OF CRUSHED STONE OR GRAVEL, ASTM D 448 COARSE-AGGREGATE GRADING SIZE 57 WITH 100 PERCENT PASSING A 1-1/2 INCH SIEVE AND 0 TO 5 PERCENT PASSING A NO. 8 SIEVE.
2. FOOTINGS/SLAB: PLACE FOOTINGS/SLAB ON COMPACTED CRUSHED STONE FILL. ASSUMED BEARING CAPACITY FOR FOUNDATION DESIGN IS 1.5 TON PER SQUARE FOOT.

CONCRETE

1. ALL CONCRETE SHALL CONFORM TO REQUIREMENTS AND RECOMMENDATIONS OF ACI 318 "BUILDING CODE REQUIREMENTS OF REINFORCED CONCRETE" AND ACI FIELD REFERENCE MANUAL SP-15.
2. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301," SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," EXCEPT AS MODIFIED OR SUPPLEMENTED BELOW.
3. ALL CONCRETE SHALL BE STONE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
4. REINFORCING STEEL: ASTM A 615 GRADE 60.
5. ANCHOR BOLTS: ASTM A307
6. FOUNDATION INSULATION: 2 INCHES THICK DOW STYROFOAM HIGH LOAD INSULATION UNLESS NOTED

WOOD FRAMING

1. ALL WOOD CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" BY THE NATIONAL FOREST PRODUCTS ASSOCIATION AND TO LOCAL BUILDING CODES
2. ALL WOOD MEMBERS 2 X 4 AND LARGER SHALL BE SITKA SPRUCE OR SPRUCE-PINE-FIR NO. 2 GRADE AND BETTER.
3. ALL PRESSURE TREATED WOOD MEMBERS SHALL BE NO. 2 GRADE AND BETTER SOUTHERN PINE.
4. ALL WOOD HEADERS AT BEARING WALLS SHALL BE A MINIMUM OF 2-2X8 UNLESS SHOWN OTHERWISE ON PLANS. WOOD MEMBERS USED FOR HEADERS OR BUILT-UP BEAMS SHALL NOT HAVE CHECKS OR SPLITS LONGER THAN THE WIDE FACE WIDTH.
5. EXTERIOR WALL SHEATHING AND ROOF SHEATHING TO BE 5/8" ADVANTECH ZIP SYSTEM. INTERIOR PLYWOOD SHEATHING SHALL BE 19/32" CDX APA RATED SHEATHING. NO PLYWOOD SHALL BE EXPOSED TO THE WEATHER, INCLUDING EDGES.
6. WOOD TRUSSES (CONTRACTOR OPTION ON ROOF FRAMING) SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST LOADS SHOWN ON PLANS. DESIGN OF TRUSSES SHALL CONFORM TO THE REQUIREMENTS OF THE "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION," TPI-02. THE DESIGN OF TRUSSES SHALL BE STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED FOR APPROVAL. THE MANUFACTURER SHALL SHOW SPECIAL BEARINGS AND LATERAL BRACING AS REQUIRED. BRACING OF WOOD TRUSSES, INCLUDING TEMPORARY BRACING FOR TRUSS INSTALLATION, SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS OF TPI-DSB-89 "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."

BUILDING MATERIALS

1. FINISHES
   - A. ROOFING – MINIMUM 24 GAGE STANDING SEAM OVER GRACE ICE & WATER SHIELD
   - B. WALLS (EXTERIOR) - SEE WALL TYPE 1 & 3
   - C. WALLS (INTERIOR) - SEE WALL TYPE 2
   - D. CEILING – SEE TYPE 4 & 5 DETAIL
   - E. FLOOR - VCT TILE, 12" SQUARE, 1/8" THICK IN PATTERN AND COLOR PROVIDED BY VERIZON
2. INSULATION
   - A. BELOW FLOOR SLAB AND OUTSIDE BUILDING PERIMETER – SEE FOUNDATION NOTE 6
   - B. ROOF – MINIMUM R49 OF SPRAY INSULATION
   - C. WALLS: – EXTERIOR MINIMUM R13 OF SPRAY INSULATION PLUS 1 1/2" OF RIGID CONTINUOUS INSULATION WITH MINIMUM R7.5
     INTERIOR MINIMUM R18
3. DOORS -
   - A. FRAMES – 16 GAGE, COLD ROLLED STEEL WITH 2" FACE. 45 MINUTE FIRE RATING
   - B. DOORS – 16 GAGE, COLD ROLLED STEEL 1-3/4" THICK STYLE GZ, POLYURETHANE CORE, 45 MINUTE FIRE RATING
   - C. HARDWARE - PROVIDE AND INSTALL ALL FINISH AND MISCELLANEOUS HARDWARE AND ACCESSORIES AS FOLLOWS:
     - (1) REFER TO DRAWING S2 FOR BUILDING ELEVATION
     - (2) PROVIDE DOOR BUMPERS, SS RUBBER STOP BLACK
     - (3) PROVIDE (1) CURRIES 3679 DOOR RHUH, 16GA. PROVIDE 1987A KASON PULL HANDLE CAST 342, LOCKGUARD 320, BEST LOCKSET CORE AND DEADBOLT, SARGEANT 1104 ALUM. DOOR CLOSER, STRIKER PLATE, HOLD OPEN AND SS 320 HINGES.
     - (4) PROVIDE 910 CURRIES 4064 DOOR, RHUH, 16GA., DALV. PROVIDE WITH KASON PULL HANDLE CAST 342, LOCKGUARD 320, BEST LOCKSET CORE AND DEADBOLT, SARGEANT 1104 ALUM. DOOR CLOSER, STRIKER PLATE, HOLD OPEN, AND SS 320 HINGES.
4. LOUVERS (SEE MECHANICAL DRAWINGS)

DESIGN CRITERIA

1. CODES: IBC 2012 AND ASCE 7-10, AS AMENDED BY 2012 VERMONT FIRE AND BUILDING SAFETY CODE
2. BUILDING OR STRUCTURE RISK CATEGORY: II
3. ROOF LOADS:
   - DEAD LOAD: 15 PSF
   - SLOPED ROOF SNOW LOAD (P_s): 160 PSF
   - EXPOSURE FACTOR (C_e): 1.0
   - THERMAL FACTOR (C_t): 1.0
   - IMPORTANCE FACTOR (I_w): 1.0
4. FLOOR LOADS
   - LIVE LOAD: 125 PSF
5. WIND LOAD:
   - ULTIMATE WIND SPEED (V_{ult}): 110 MPH
   - NOMINAL DESIGN WIND SPEED (V_{asd}): 85 MPH
   - IMPORTANCE FACTOR (I_w): 1.0
   - WIND EXPOSURE: C
   - INT. PRESSURE COEFFICEINT (GC_{pi}): +/- 0.18
   - COMPONENTS/CLADDING: ASCE 7-10
6. SEISMIC LOAD:
   - IMPORTANCE FACTOR (I_e): 1.0
   - MAPPED SPECTRAL RESPONSE COEFFICIENTS: S_s = 0.461 AND S_1 = 0.123
   - SITE CLASS: D
   - SPECTRAL RESPONSE COEFFICIENTS: S_{ds} = 0.421 AND S_{d1} = 0.180
   - SEISMIC DESIGN CATEGORY: C
   - SEISMIC FORCE-RESISTING SYSTEM: SHEAR WALLS

PROGRESS DRAWING
NOT FOR CONSTRUCTION
8/7/15

DuBois & King inc
ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
6 GREEN TREE DRIVE
SO. BURLINGTON, VT 05403
TEL: (802) 878-7551
FAX: (866) 783-7101
www.dubois-king.com
RANDOLPH, VT
SPRINGFIELD, VT
BEDFORD, NH
LACONIA, NH

© Copyright 2015 Dubois & King Inc.

PROFESSIONAL SEAL

NO.	DATE	DESCRIPTION	BY	CKD

verizon wireless

VERMONT 12x30
EQUIPMENT SHELTER

SHEET TITLE

SCHEDULES, DETAILS AND NOTES

DRAWN BY: JTM	DATE: AUG. 2015
CHECKED BY: TFB	D&K PROJECT #
PROJ. ENG.: LJH	D&K ARCHIVE #

SHEET NUMBER

S3