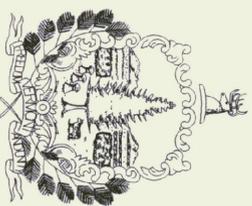


State of Vermont  
Agency of Transportation  
**WILLIAM MORSE STATE AIRPORT**  
**PROPOSED 36'x36' STORAGE BUILDING**  
Bennington, Vermont

AGENCY OF ADMINISTRATION  
DEPT. OF BUILDINGS & GENERAL SERVICES  
2 GOVERNOR AIKEN AVENUE  
MONTPELIER, VERMONT 05633-5801  
THOMAS W. TORTI, COMMISSIONER



Howard Dean, M.D.  
Governor

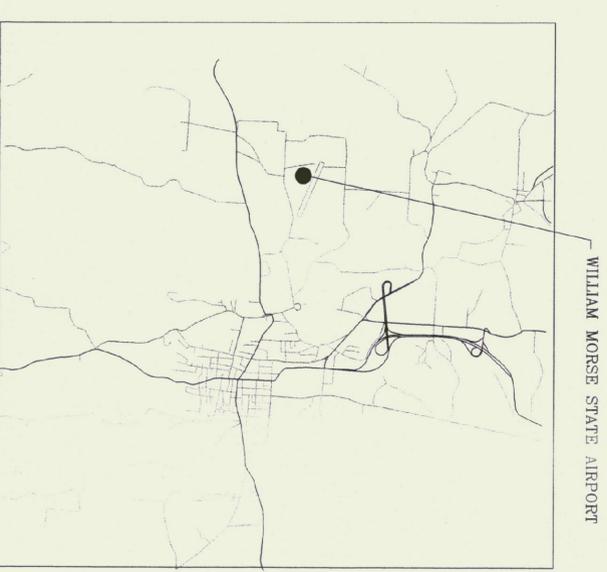
December 2000

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A-1	PLAN & ELEVATIONS
M-1	MECHANICAL PLAN
E-1	ELECTRICAL PLAN

PEARSON & ASSOCIATES  
MECHANICAL & ELECTRICAL ENGINEERS  
P.O. BOX 610  
STOWE, VERMONT 05672  
TELEPHONE: (802) 253-9607

AGENCY OF ADMINISTRATION  
DIVISION OF MAINTENANCE & AIR  
NATIONAL LIFE BUILDING  
MONTPELIER, VERMONT 05633-5001  
BRIAN SEARLES, SECRETARY



**PROJECT LOCATION MAP**



S-1  
1 OF 4

SITE PLAN  
WILLIAM MORSE  
STATE AIRPORT  
BENNINGTON

SCALE: AS NOTED  
DATE: OCT. 2000  
DRAWN BY: B. MCAVOY  
APPR. BY: R. BARRY

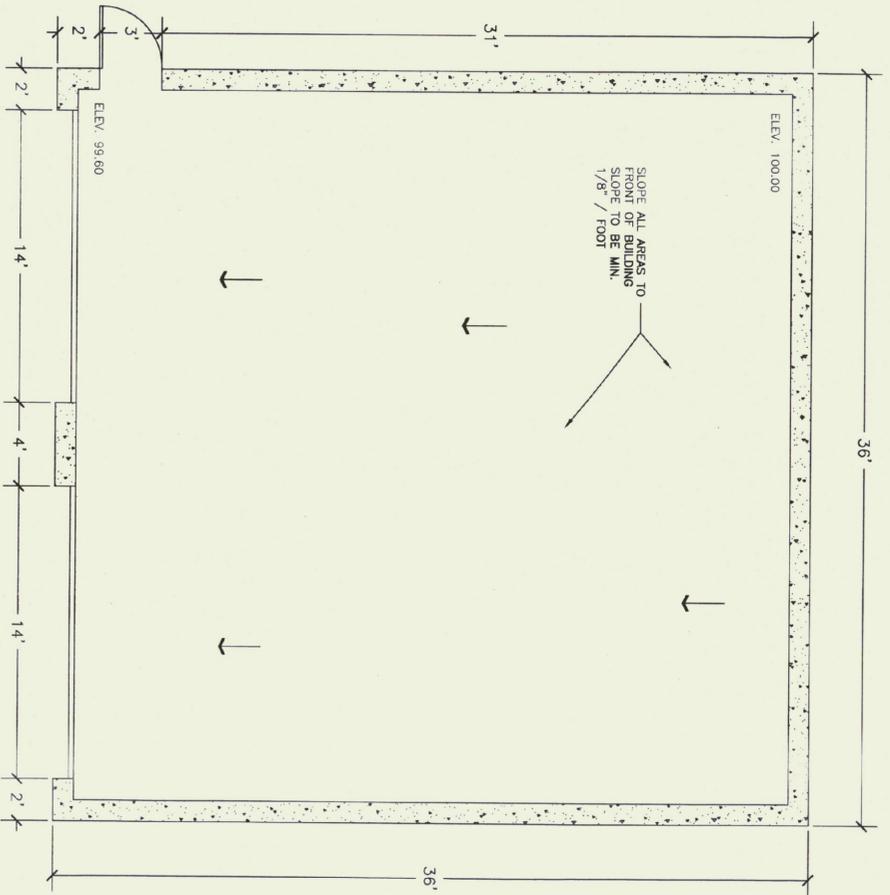
REVISIONS

WILLIAM MORSE STATE AIRPORT  
A.O.T. STORAGE BUILDING  
SITEPLAN  
BENNINGTON VERMONT



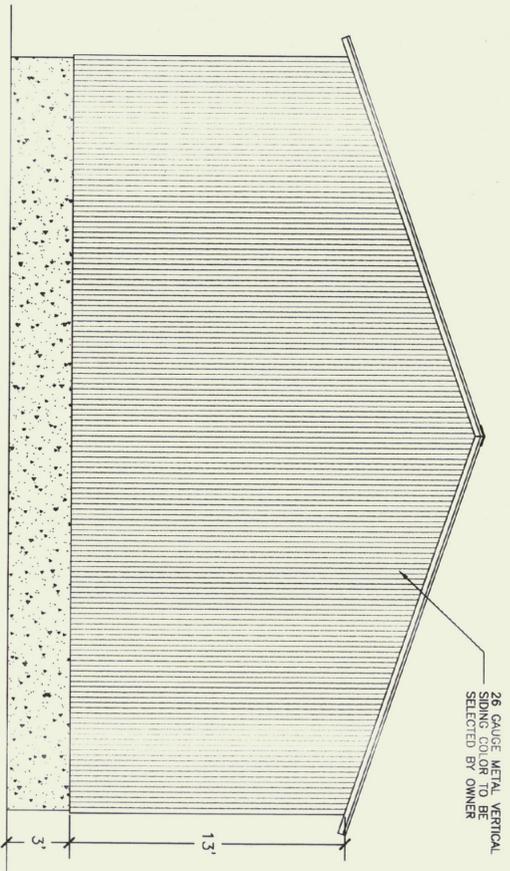
STATE OF VERMONT  
Department of Buildings  
and General Services  
Agency of Administration  
Montpelier, Vermont





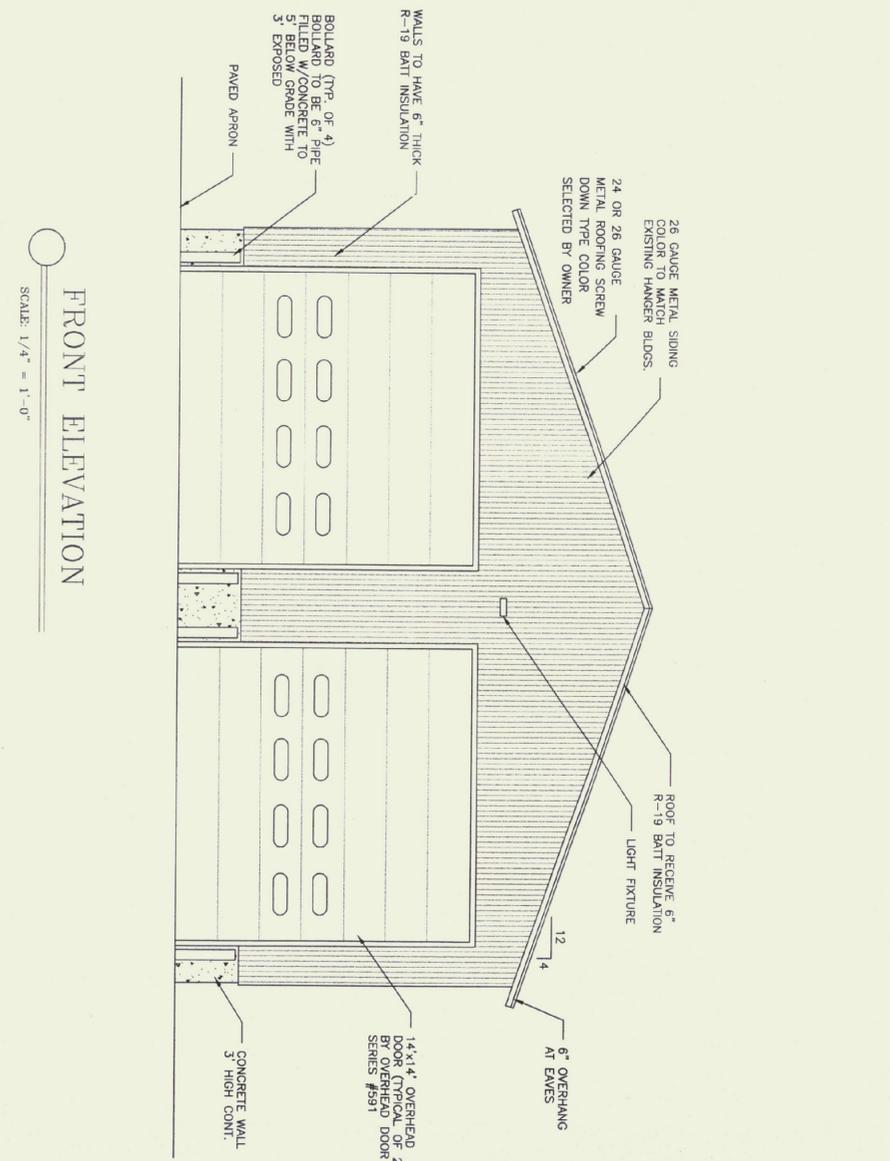
FLOOR PLAN

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



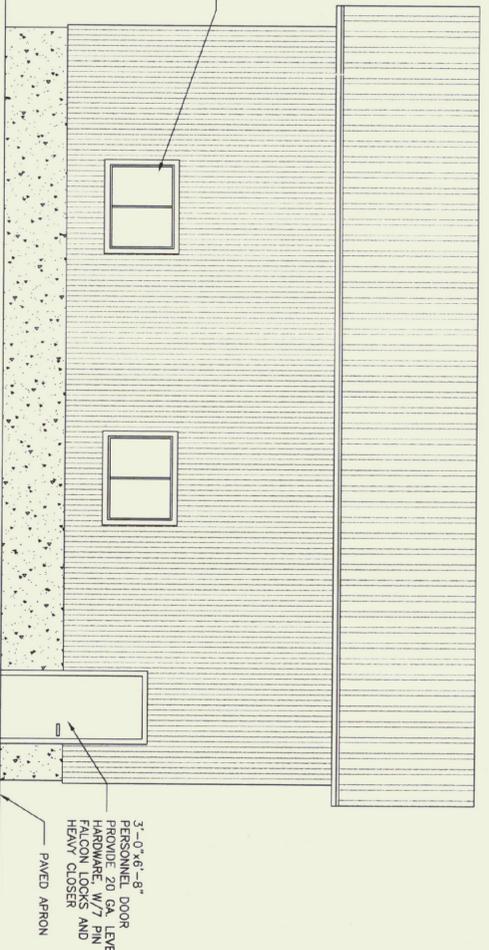
REAR ELEVATION

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



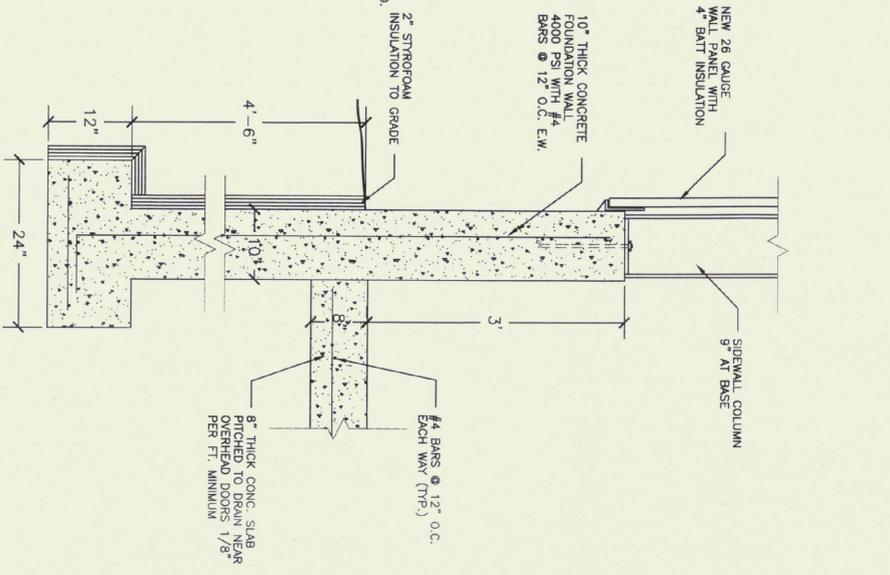
FRONT ELEVATION

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



SIDE ELEVATION

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



FOOTING DETAIL

SCALE: 1" = 1'-0"

**NOTE:**

PLEASE REFER TO SOILS INVESTIGATION REPORT FOR RECOMMENDATIONS AND OBSERVATIONS FOR REFERENCE. REPORT IS INCLUDED IN JOB SPECIFICATIONS.

**CONCRETE NOTES:**

- ALL CONCRETE TO BE 3500 PSI @ 28 DAYS WITH A MAXIMUM SLUMP OF 4".
- 6X-8X AIR ENTRAINMENT.
- 1/2" "V" JOINTS IN EXPOSED FACE OF CONSTRUCTION JOINTS.
- 3/4" CHAMFER ON EACH FACE OF EXPANSION JOINTS.
- GALVANIZED L IRON CAST INTO WALL CORNERS AT DOOR OPENINGS.
- RE-BAR TO BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- NO HORIZONTAL CONSTRUCTION JOINTS IN WALLS - CONTINUOUS POUR.
- NO CONSTRUCTION OR EXPANSION JOINTS REQUIRED IN FOOTINGS.
- CONTRACTOR TO LEAVE NO METAL WITHIN 1" OF SURFACE. USE 1" DEEP PLASTIC CONES AT ALL TIES AND PLUG ALL THE HOLES WITH AN APPROVED NON-SHRINK GROUT.
- ALL RE-BAR TO BE GRADE 60.
- RE-BAR TO BE STORED ON BLOCKING 4" MIN. ABOVE GROUND.
- CONCRETE SUPPLIER TO PROVIDE TEST CYLINDERS FOR CONCRETE TESTING.
- ALL CONCRETE TESTING TO BE DONE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING.
- EXPOSED WALLS TO BE DRESS FINISHED PER A.O.T. SPECIFICATIONS.

WILLIAM MORSE STATE AIRPORT  
PROPOSED 36'x36'  
A.O.T. STORAGE BUILDING

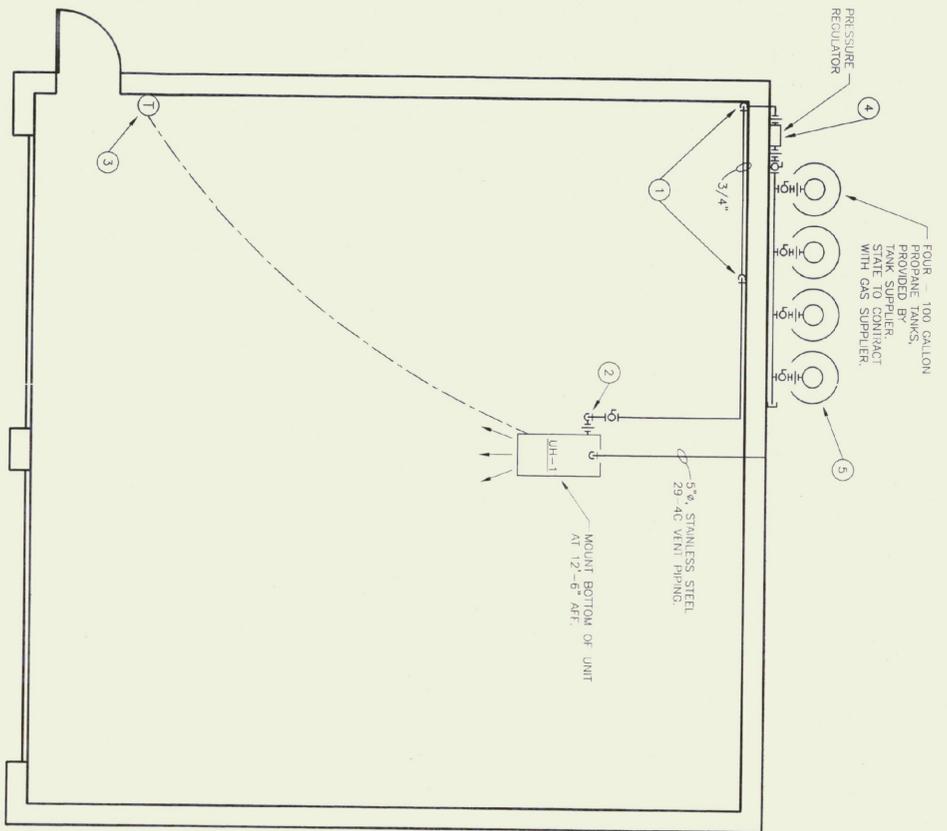


STATE OF VERMONT  
Department of Buildings  
and General Services  
Agency of Administration  
Montpelier, Vermont



SCALE: 1/4" = 1'-0"	REVISIONS
DATE: DEC. 2000	
DRAWN BY: B. MCAVOY	
APPR. BY: R. BARRY	
BENNINGTON PROPOSED 36'x36' AOT STORAGE	
PLAN & ELEV.	

A-1



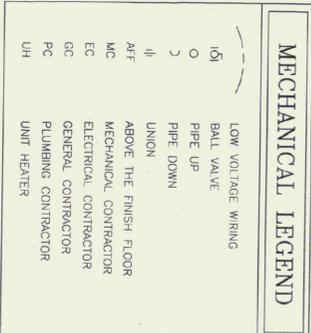
FLOOR PLAN - MECHANICAL  
SCALE: 1/4" = 1'-0"

UNIT HEATER SCHEDULE

TAG	UNIT CPM	FAN MOTOR			HEATING COIL - LP GAS			DESIGN BASIS	MODEL No.	REMARKS
		MOTOR HP	MAX RPM	VOLTAGE	MBH INPUT	EFFICIENCY	AIR TEMP RISE (°F)			
UH-1	2640	1/3	1140	120/1/60	200.0	80%	90	TRANE	CHPD-020	1

① ACCESSORIES TO INCLUDE: LOW VOLTAGE THERMOSTAT WITH 8x8 WIRE GUARD ENCLOSURE, HORIZONTAL VENT KIT AND SPRING VIBRATION ISOLATORS.

- KEYED NOTES:**
- RISE UP IN CORNER OF GARAGE TO ABOVE THE BOTTOM OF THE ROOF TRUSSES, THEN RUN PIPE AS SHOWN.
  - PROVIDE 6" DIRT LEG AT BOTTOM OF DROP, BEFORE CONNECTION TO UNIT HEATER UH-1.
  - CUT OUT BOTTOM OF 8x8 WIRE GUARD AT THERMOSTAT, SO THAT THE TEMPERATURE CAN BE CHANGED ON THERMOSTAT WITHOUT HAVING TO REMOVE GUARD.
  - PRESSURE REGULATOR FURNISHED BY TANK SUPPLIER, INSTALLED BY MC TO COORDINATE WITH TANK SUPPLIER.
  - LEVEL AND SET PROPAANE TANKS ON TOP OF 24x24x2" THICK CONCRETE BLOCKS. TYPICAL FOR ALL FOUR.



SCALE: AS SHOWN  
DATE: OCT. 2000  
DRAWN BY: TJY  
APPR. BY: E. E. P.

REVISIONS

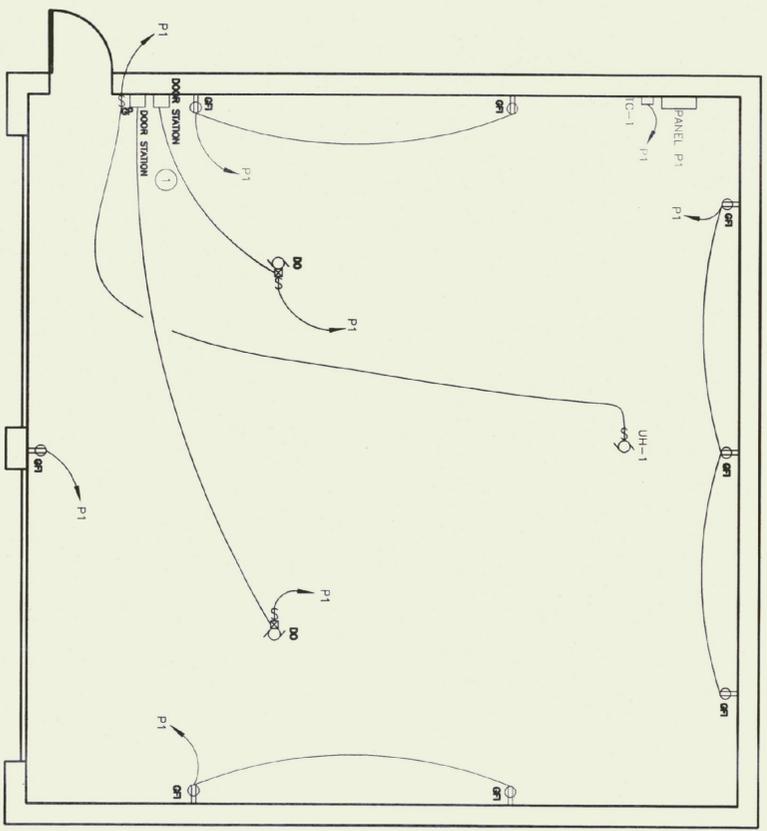
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WILLIAM MORSE STATE AIRPORT  
PROPOSED 36'x36'  
A.O.T. STORAGE BUILDING  
BENNINGTON VERMONT

**Pearson & Associates**  
MECHANICAL & ELECTRICAL ENGINEERS  
P.O. BOX 610 STOWE, VERMONT 05672  
TEL: (802) 253-9607 FAX: (802) 253-9290  
EMAIL: pearson@stowevt.net

STATE OF VERMONT  
Department of Buildings and General Services  
Agency of Administration  
Montpelier, Vermont





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

### LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & MODEL NUMBER	MOUNTING	LAMPS	VOLT	REMARKS
FA	METALUX DIM 296HG-120	CHAIN HUNG	2-F96T12HO	120	CHAIN HUNG @ 12' AFF
A	STONCO SW-1000	SURFACE	(1)-P1C-28	120	WITH P102A AND PHOTOCELL OPTION MOUNT @ 7' AIG.
B	CEI-48-M100-III-120-PC-DBZ	SURFACE	(1)-100 W MH	120	PHOTOCELL OPTION, MOUNT @ 18' AFF
	PRESCOULITE EDS2-NB-	SURFACE	INCLUDED	120	
	120	SURFACE		120	
	PRESCOULITE EXTLED -	SURFACE		120	
	R - EM-120				

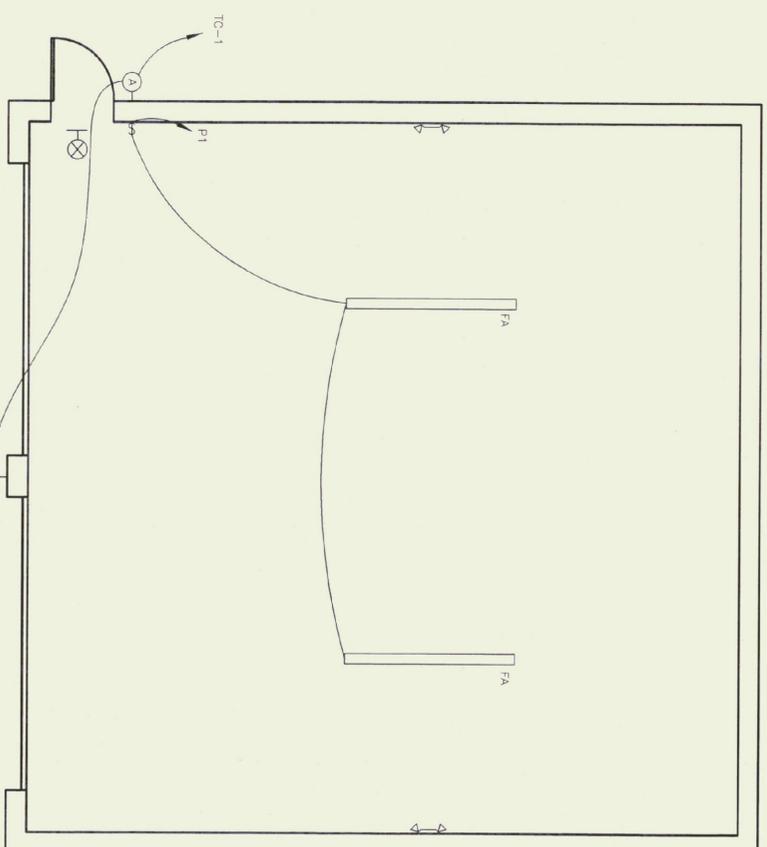
### PANEL DESIGNATOR

PANEL NO.	DESCRIPTION	BREAKER P	BREAKER AMP	BREAKER P	DESCRIPTION	LOAD KW	CKT NO.
1	WEST OUTLETS	1	20	1	TIMELOCK, OUTSIDE LIGHTING	0.3	2
2	NORTH OUTLETS	1	20	1	GARAGE DOOR	0.5	4
3	EAST OUTLETS	1	20	1	LIGHTS	0.9	6
4	SOUTH OUTLET	1	20	1	GARAGE DOOR	0.5	8
5	UNIT HEATER	1	20	1	SPACE	10	10
6	SPACE	1	20	1	SPACE	12	12
7	SPACE	1	20	1	SPACE	14	14
8	SPACE	1	20	1	SPACE	16	16
9	SPACE	1	20	1	SPACE	18	18
10	SPACE	1	20	1	SPACE	20	20

PANEL: P1  
LOCATION: GARAGE  
MOUNTING: SURFACE  
MANS: 91  
3 WIRE  
CONNECTED LOAD: 4.9 KW

### ELECTRICAL LEGEND

- FLOURESCENT FIXTURE
- LIGHT FIXTURE
- ⊗ EXIT LIGHT
- ⊕ EMERGENCY LIGHT
- ⊘ SWITCH - SINGLE POLE
- ⊙ SWITCH - SINGLE POLE WITH GAS BURNER PLATE
- ⊚ MOTOR STARTER PROV. BY MC, INSTALLED BY EC
- ⊛ SAFETY DISCONNECT PROV. AND INSTALLED BY EC
- ⊜ PANEL
- ⊝ BRANCH CIRCUIT
- ⊞ ABOVE FINISH GRADE
- ⊟ BELOW FINISH GRADE
- ⊠ ELECTRICAL CONTRACTOR (DIVISION 16)
- ⊡ MECHANICAL CONTRACTOR (DIVISION 15)
- ⊢ GENERAL CONTRACTOR
- ⊣ EQUIPMENT SUPPLIER
- ⊤ TYPICAL OF ALL
- ⊥ TIMECLOCK
- ⊦ MOTOR
- ⊧ DUPLEX RECEPTACLE-GFI PROTECTED, MOUNT @ 48"



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

### GENERAL NOTES:

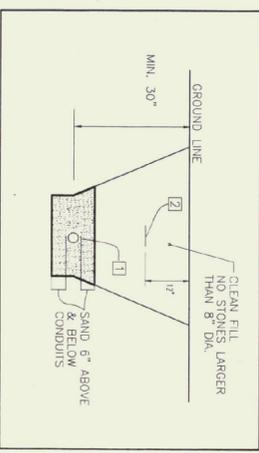
- ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CEILINGS, OR WOODWORK, CONTRACTOR IS TO REPLACE, PATCH AND PAINT FINISH SURFACES TO ORIGINAL FINISHES.
- FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS.
- EC TO PROVIDE AND INSTALL ALL DISCONNECT SWITCHES, MC TO SUPPLY ALL MOTOR STARTERS, EC TO INSTALL.

### KEYED NOTES:

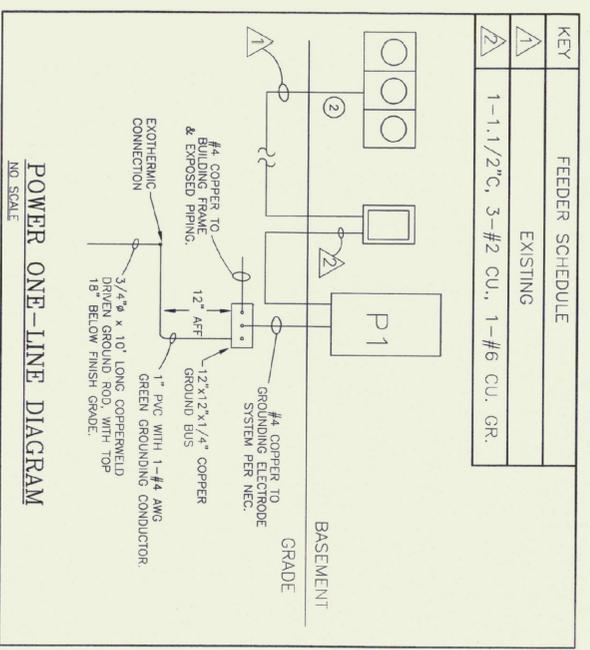
- COORDINATE DOOR OPENERS AND DOOR STATION WIRING WITH ES.
- PROVIDE NECESSARY WIRING FROM DOOR STATIONS TO OPENERS.
- EXISTING METER SOCKET AND SECONDARY WIRE IS ENERGIZED. COORDINATE WITH CENTRAL VERMONT PUBLIC SERVICE TO DE-ENERGIZE DURING CONSTRUCTION OF NEW SERVICE.
- REFER TO TRENCH DETAILS AND LOADCENTER DETAIL FOR PERSISTAL AND PANEL DETAILS.

### KEYED NOTES

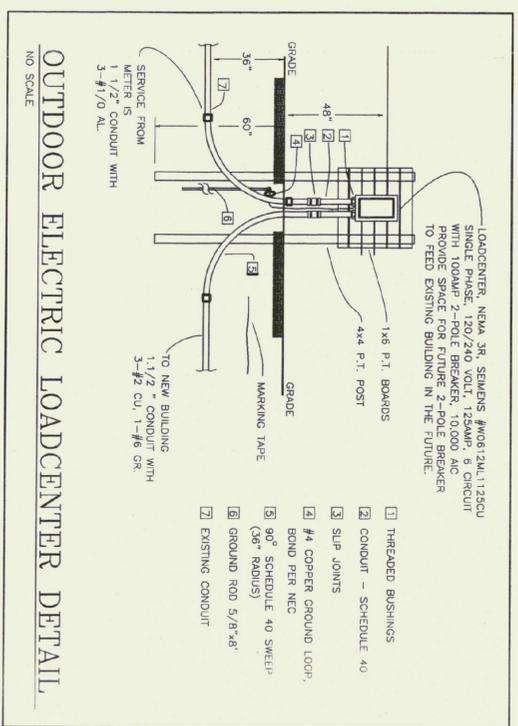
KEY	DESCRIPTION
1	LINE VOLTAGE CABLE DUCT SHALL BE PVC SCHEDULE 40 AS PER CONDUIT AND WIRE SCHEDULE.
2	WARNING TAPE SHALL BE ELECTRIC LEGEND TYPE, ALLEN CAT#ANT-1006-RE OR EQUAL. (WARNING TAPE SHALL BE PLACED 12" BELOW SURFACE.)



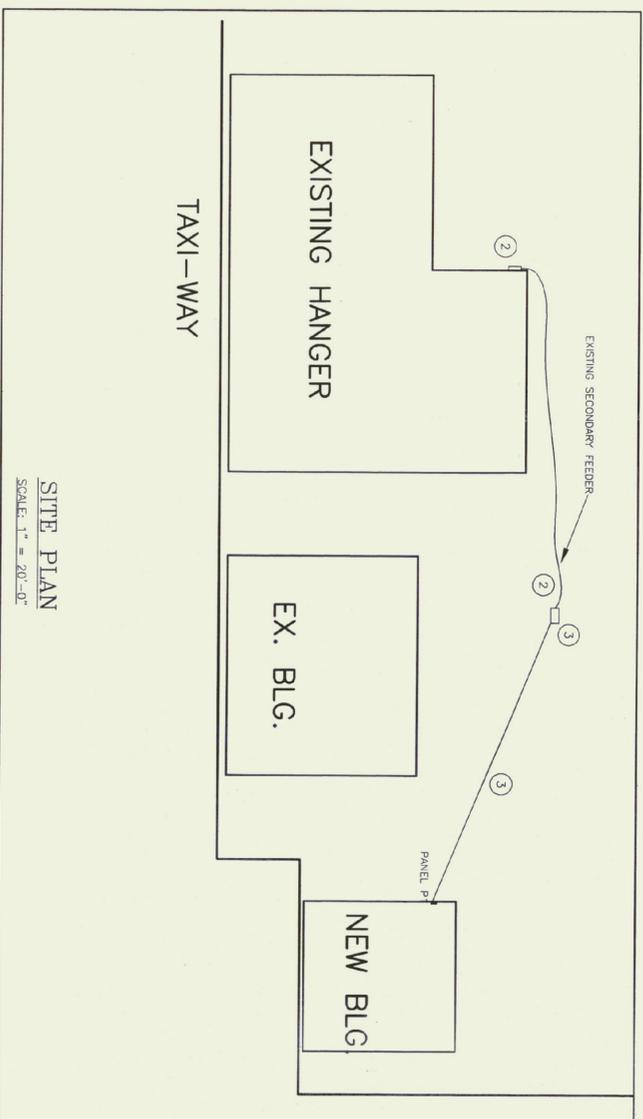
TRENCH DETAIL  
NO SCALE



POWER ONE-LINE DIAGRAM  
NO SCALE



OUTDOOR ELECTRIC LOADCENTER DETAIL  
NO SCALE



SITE PLAN  
SCALE: 1" = 20'-0"

### FEEDER SCHEDULE

KEY	DESCRIPTION
Δ	EXISTING
Δ	1-1.1/2" C, 3-#2 CU., 1-#6 CU. GR.