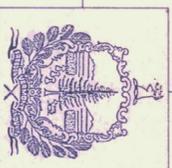


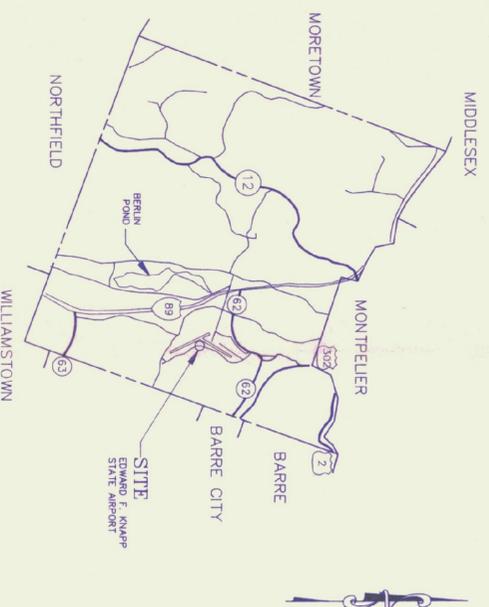
STATE OF VERMONT
AGENCY OF TRANSPORTATION
PAUL R. PHILBROOK, SECRETARY



STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
JOHN J. ZAMPIERI, COMMISSIONER

NEW AIRPORT HANGAR EDWARD F. KNAPP AIRPORT BERLIN, VERMONT PROJECT NO. AIR 03 2073

LOCATION MAP



INDEX

SP1	SITE PLAN AND DETAILS
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M/E1	MECHANICAL, ELECTRICAL DETAILS

ARCHITECTS

GOSSSENS BACHMAN
18 LANGDON STREET
MONTPELIER, VERMONT 05602

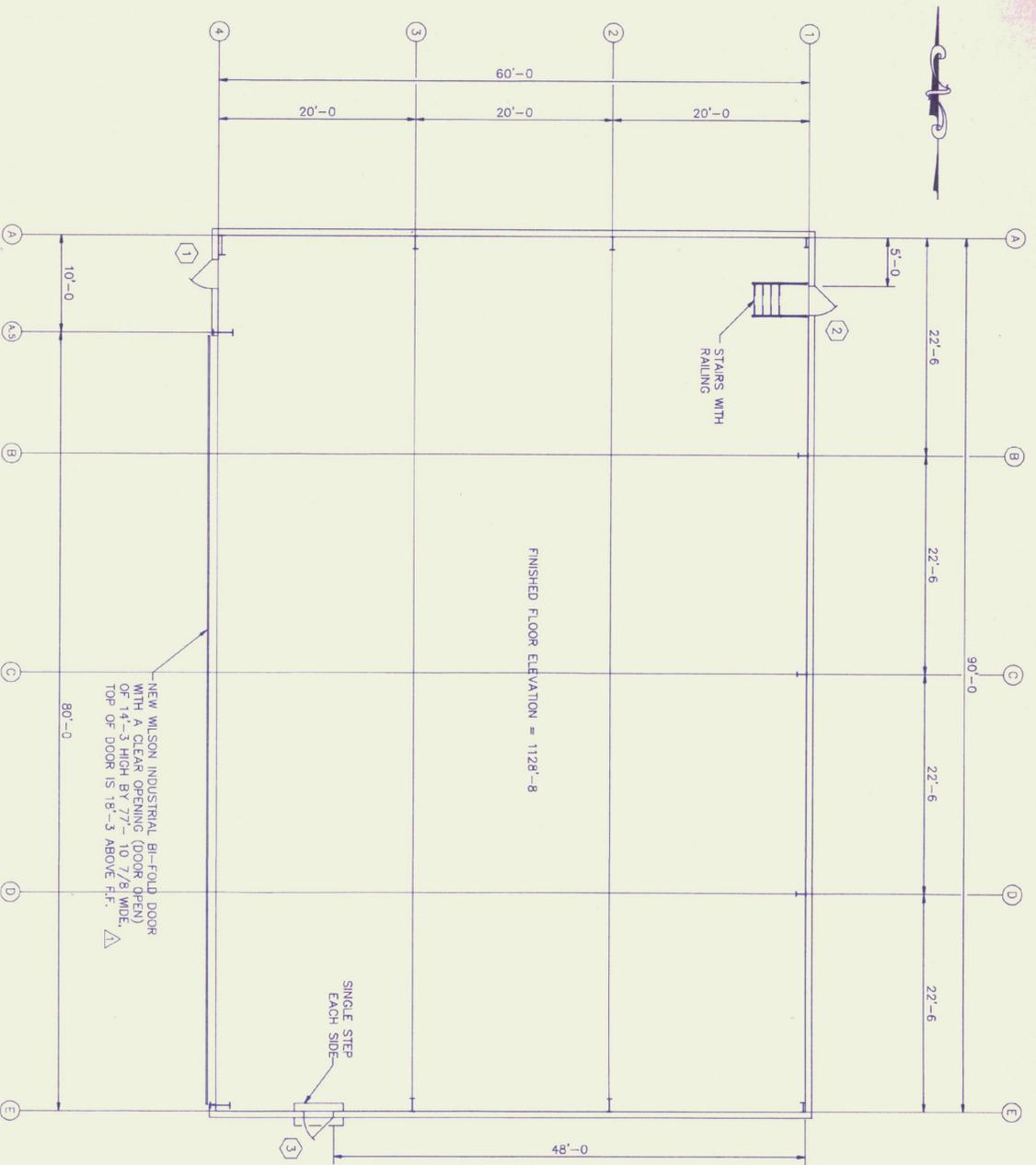
CIVIL/STRUCTURAL ENGINEERS



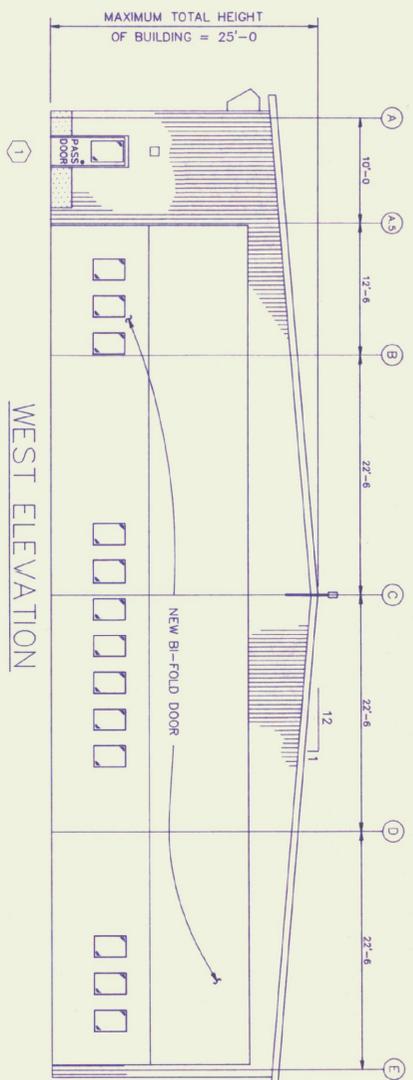
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

ELECTRICAL ENGINEERING

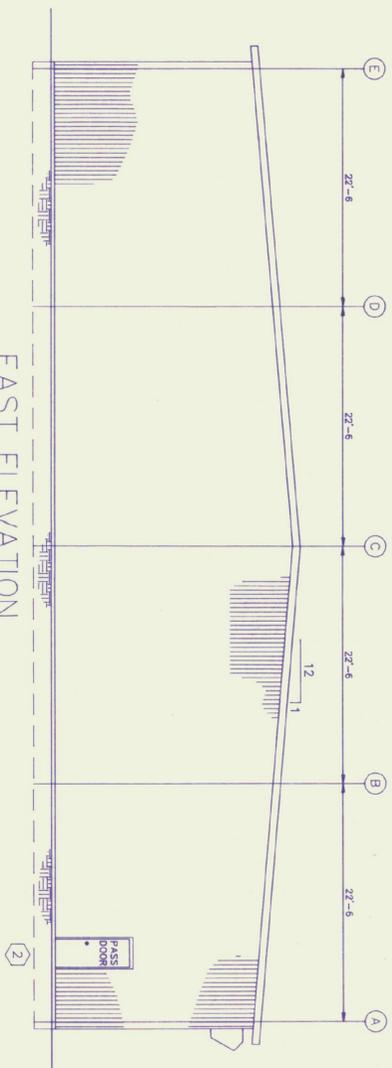
PEARSON ASSOCIATES
P. O. BOX 610
STOWE, VERMONT 05672



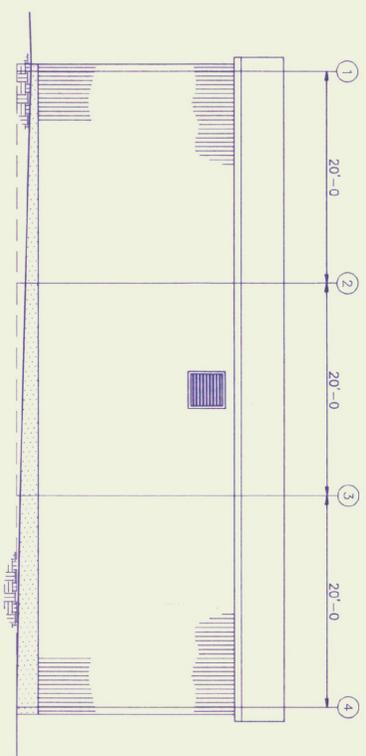
FLOOR PLAN
SCALE: 1/8"=1'-0"



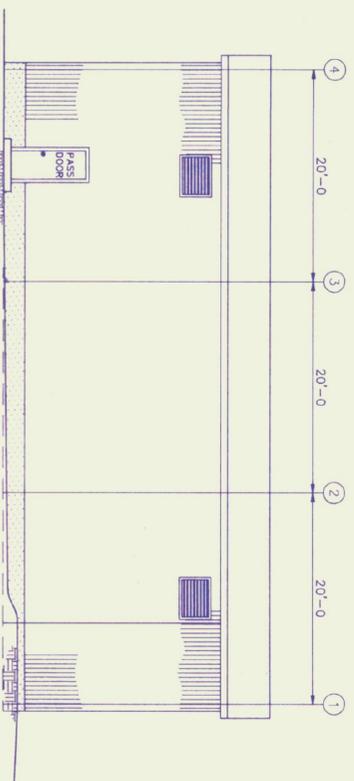
WEST ELEVATION
SCALE: 1/8"=1'-0"



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



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



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

Rev No	Date	Description	Made by	Checked by	App'd by
1	8/23/90	DOOR NOTES, NUMBERS ON PLANS	DDH	RJG	MJC

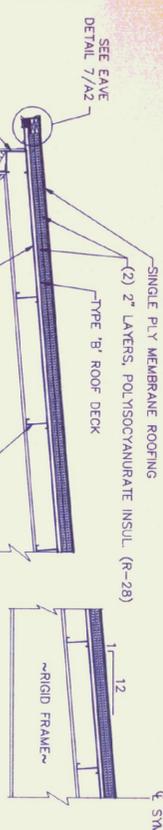
NEW AIRPORT HANGAR
EDWARD F. KNAPP AIRPORT
FLOOR PLANS & ELEVATIONS
PROJECT NO. AIR 03 2073

A1

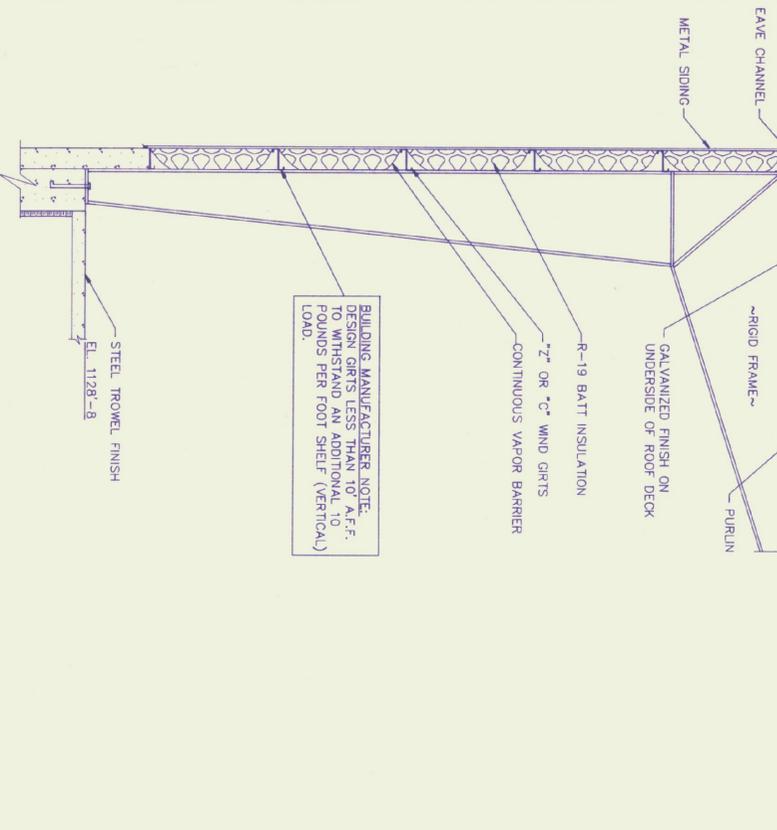
Scale AS NOTED
Des. By RJG
Dwn. By DDH
Chk. By MJC
Date AUG 1990
Dwg 22-002-2



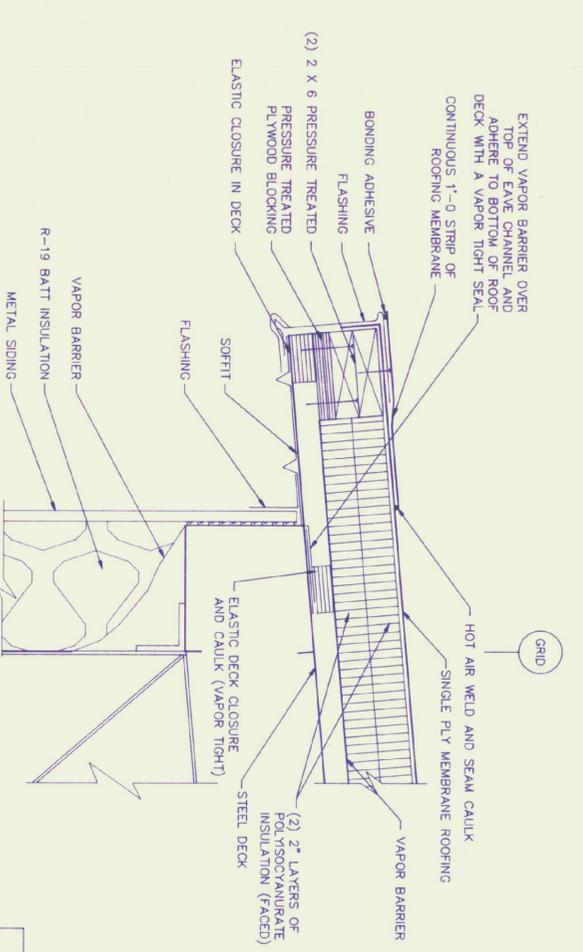
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602



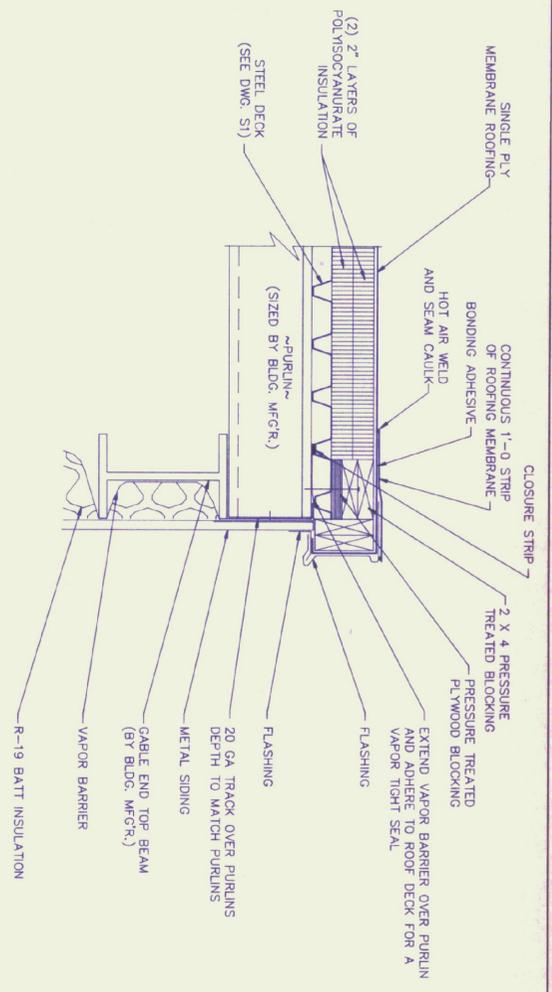
BUILDING MANUFACTURER NOTE:
DESIGN GIRTS LESS THAN 4\"/>



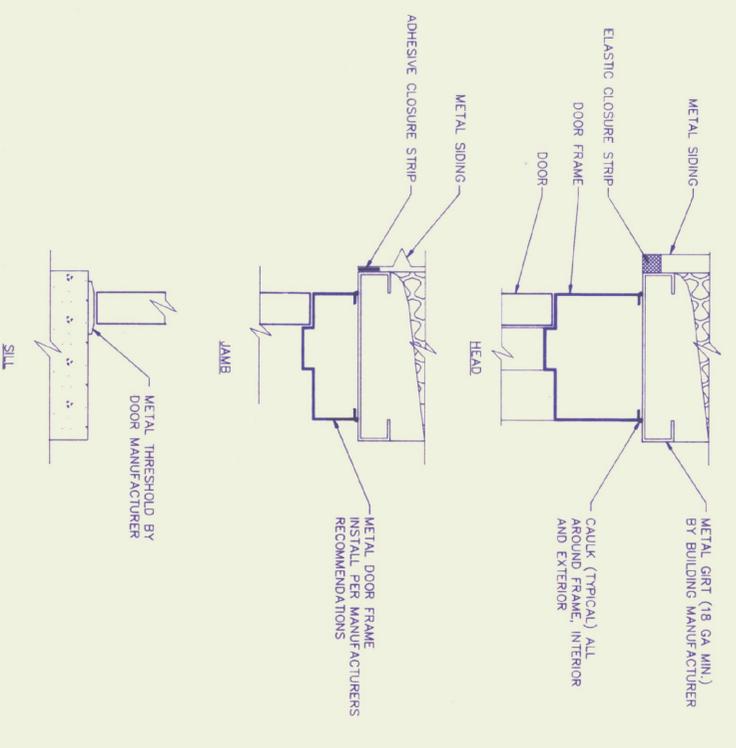
SECTION BUILDING SECTION
SCALE: 3/8"=1'-0"
6 AZ



DETAIL AT EAVE
SCALE: 1 1/2"=1'-0"
7 AZ

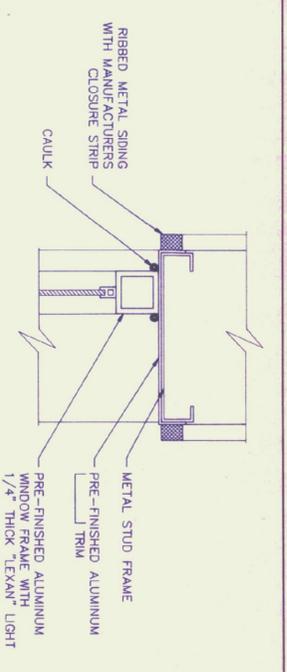


DETAIL AT RAKE
SCALE: 1 1/2"=1'-0"
8 AZ

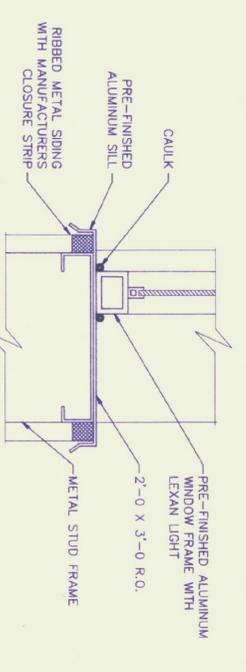


DETAIL TYPICAL DOOR
SCALE: 3"=1'-0"
9 AZ

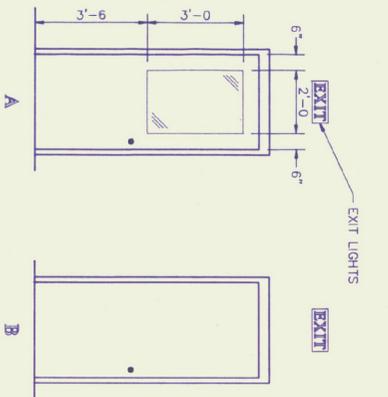
DOOR SCHEDULE						
DOOR NUMBER	DOOR W X H	ROUGH OPENING	DOOR FRAME MATERIAL	ELEVATION DESIGNATION	BOT. OF SILL ELEVATION	REMARKS
①	3'-0" X 7'-0"	3'-4" X 7'-4"	STEEL	A	F. F.	ADJUST TOP OF CONC. FOR DOOR
②	3'-0" X 7'-0"	3'-4" X 7'-4"	STEEL	B	2'-0" ABV. F. F.	ADJUST TOP OF CONC. FOR DOOR
③	3'-0" X 7'-0"	3'-4" X 7'-4"	STEEL	B	6" ABV. F. F.	ADJUST TOP OF CONC. FOR DOOR



DETAIL HEAD - JAMB SIMILAR
SCALE: 3"=1'-0"
10 AZ



DETAIL SILL DETAIL
SCALE: 3"=1'-0"
11 AZ



DETAIL DOOR ELEVATIONS
SCALE: 3/8"=1'-0"
12 AZ

BI-FOLD DOOR WINDOW DETAILS



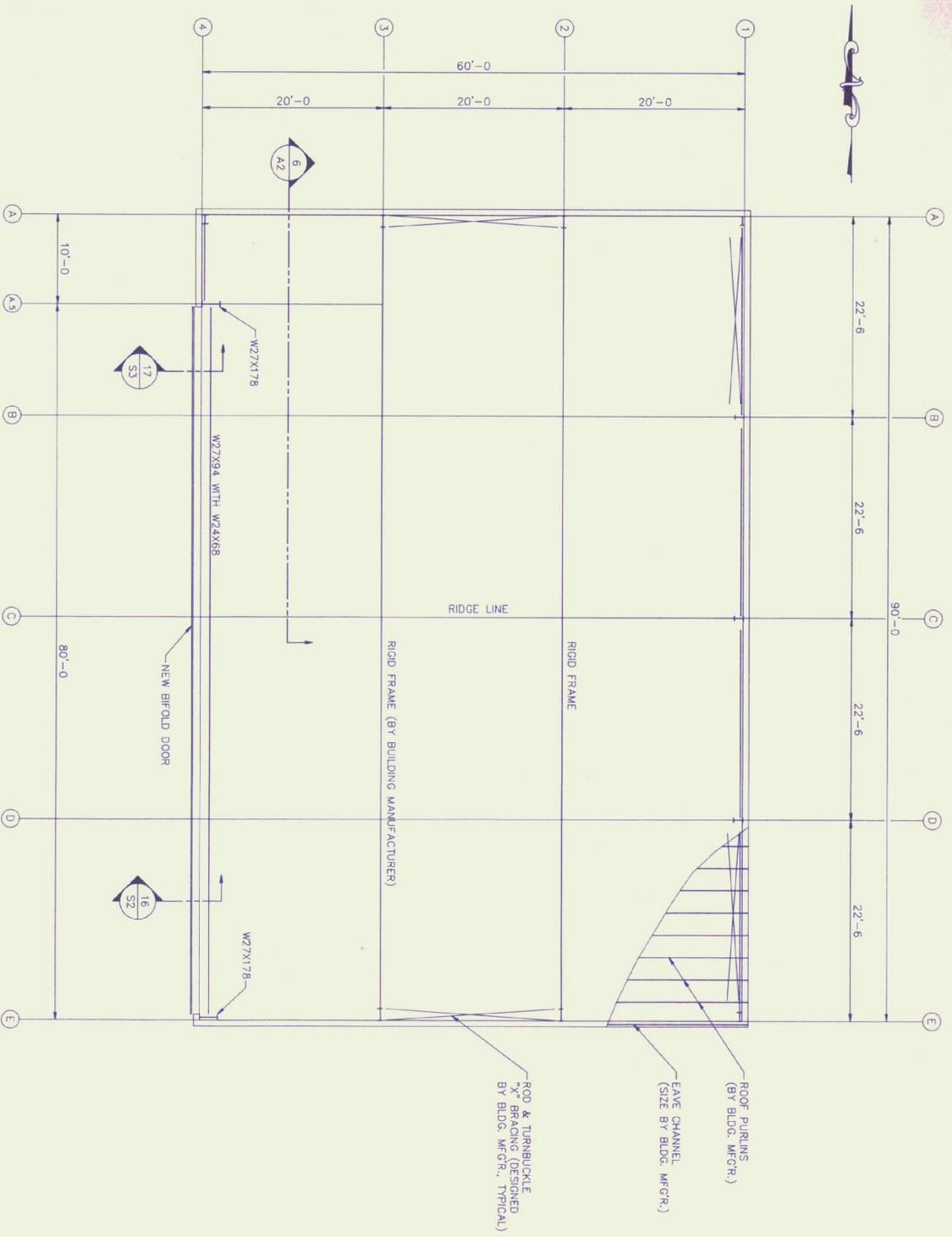
Rev No	Date	Description	Made by	Checked by	App'd by

**NEW AIRPORT HANGAR
EDWARD F. KNAPP AIRPORT
DOORS, WINDOWS, AND DETAILS
PROJECT NO. AIR 03 2013**

CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

Scale AS NOTED
Des. By CB/RG
Dwn. By DDH
Chk. By RJG
Date AUG 1980
Dwg. 22-002-2

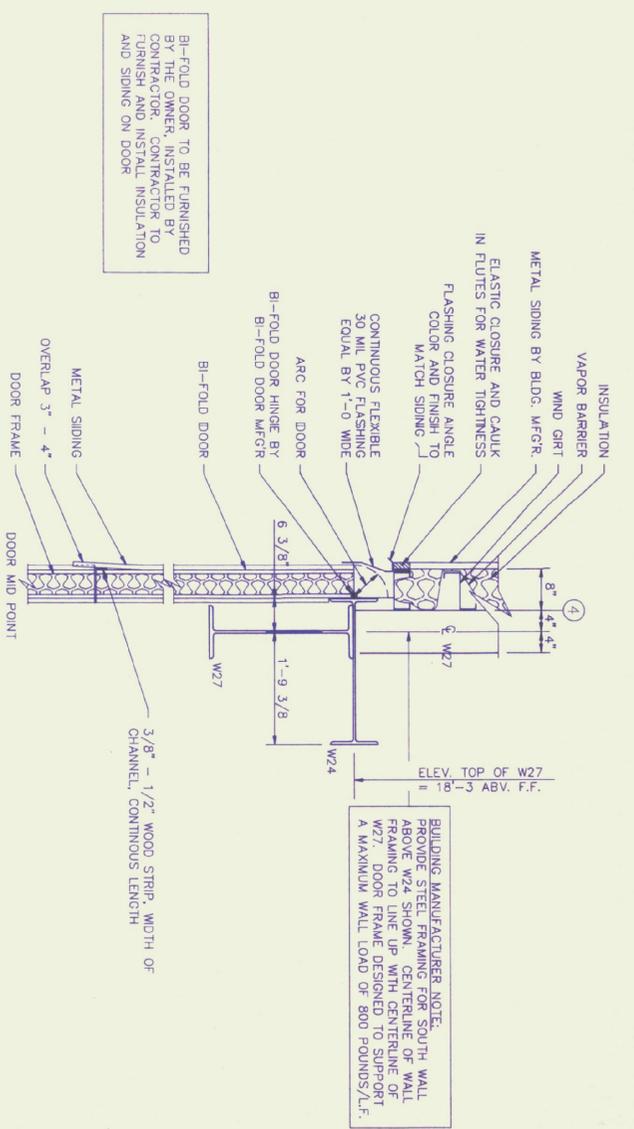
A2



ROOF FRAMING PLAN

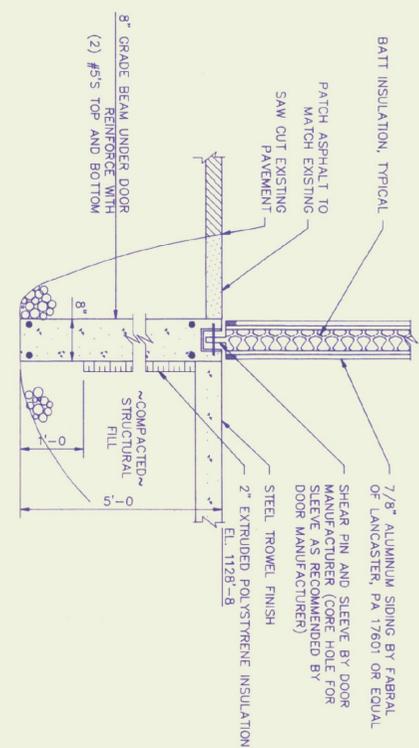
SCALE: 1/8"=1'-0"

1. ROOF DECK TO BE GALVANIZED TYPE 'B' ROOF DECK AS MANUFACTURED BY UNITED STEEL DECK, INC.
2. ROOFING TO HAVE 4" OF ISOCYANURATE INSULATION AND SINGLE PLY MEMBRANE PARTIALLY MECHANICALLY ADHERED (SEE SPECS)



SECTION THROUGH BIFOLD DOOR

SCALE: 3/4"=1'-0"



BUILDING MANUFACTURER NOTE:
 PROVIDE STEEL FRAMING FOR SOUTH WALL ABOVE W24 SHOWN. CENTERLINE OF WALL FRAMING TO LINE UP WITH CENTERLINE OF W27. DOOR FRAME DESIGNED TO SUPPORT A MAXIMUM WALL LOAD OF 800 POUNDS/L.F.



Rev No	Date	Description	Made by	Checked by	App'd by

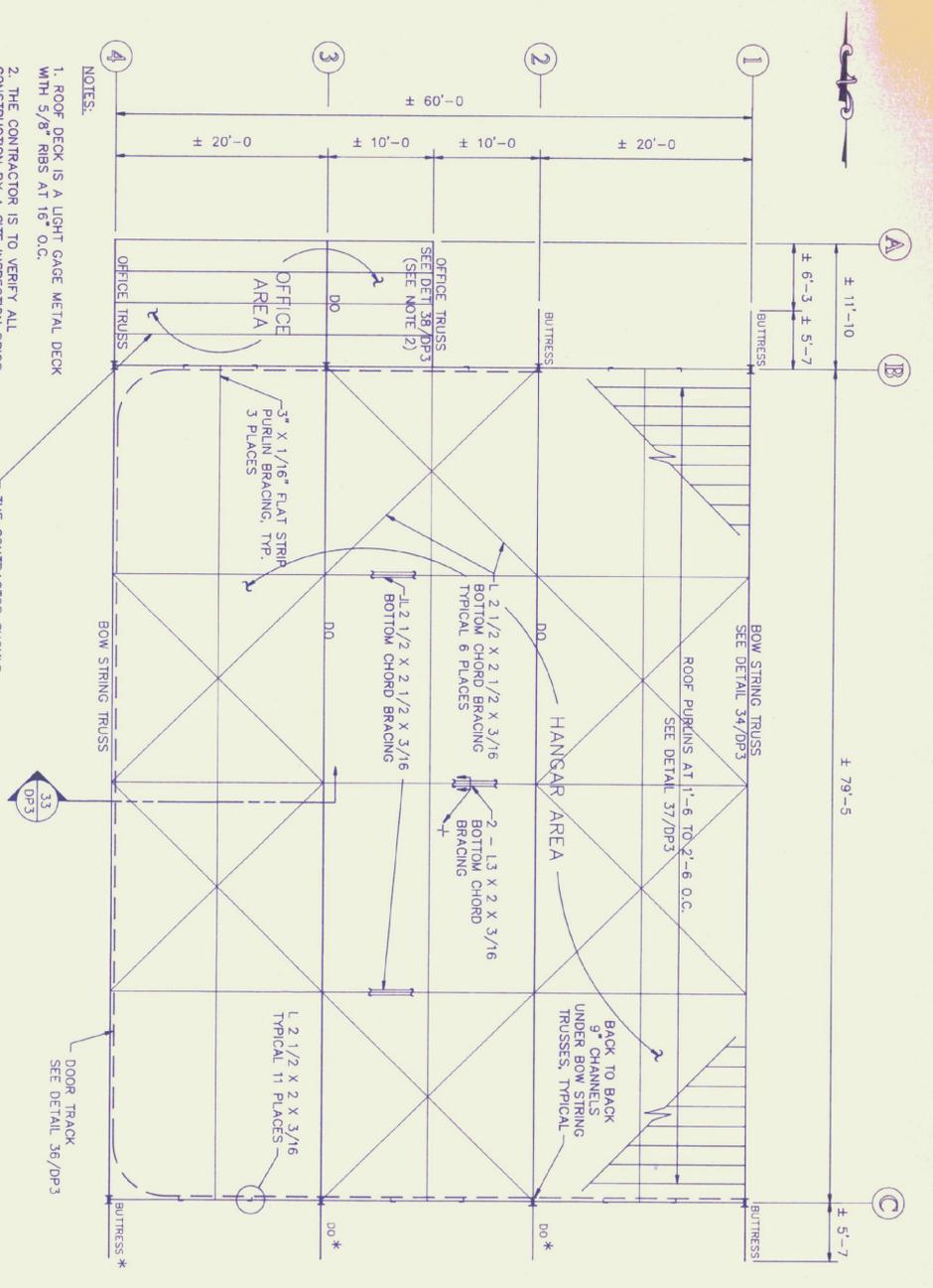
NEW AIRPORT HANGAR
EDWARD F. KNAPP AIRPORT
ROOF FRAMING SECTIONS & DETAILS
PROJECT NO. AIR 03 2073

CHENETTE ENGINEERING, INC.
 50 STATE STREET
 MONTPELIER, VERMONT 05602

Scale AS NOTED

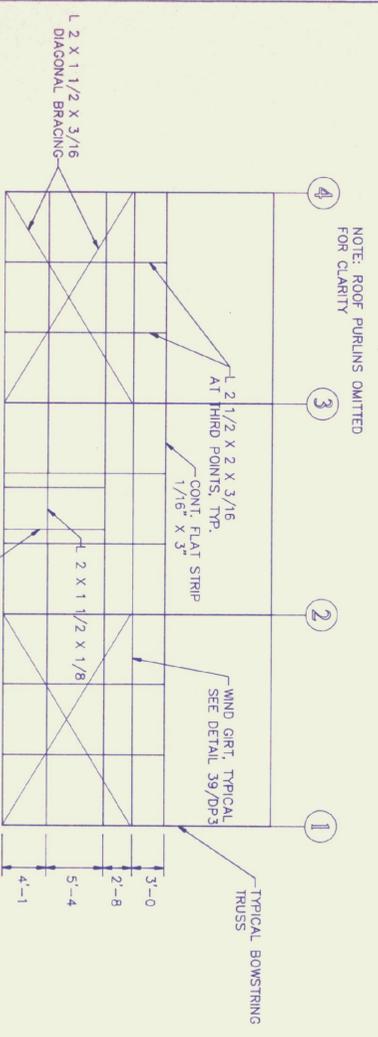
Sheet of **S2**

Des. By: RIG
 Dm. By: DH
 Chk. By: MJC
 Date: AUG 1990
 Dwg. 22-002-2

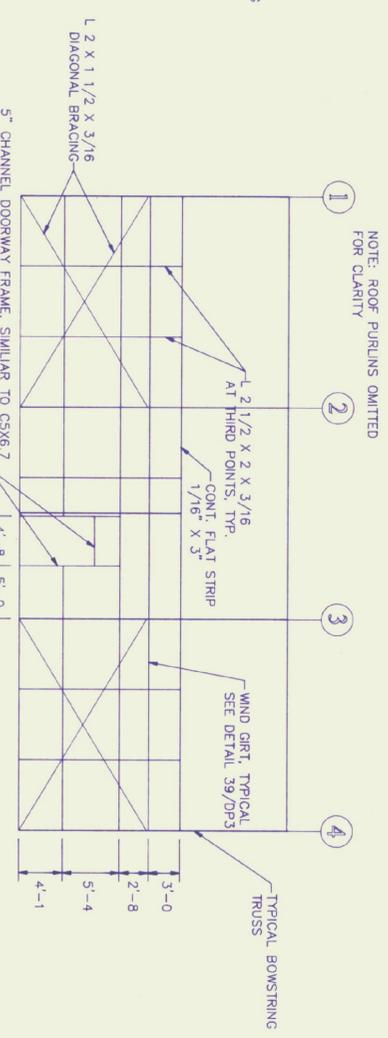


NOTES:
 1. ROOF DECK IS A LIGHT GAGE METAL DECK WITH 5/8" RIBS AT 16" O.C.
 2. THE CONTRACTOR IS TO VERIFY ALL CONSTRUCTION BY A SITE INSPECTION PRIOR TO THE START OF THE ROOFING WORK. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL BUILDING COMPONENTS EITHER SHOWN OR NOT SHOWN ON THESE PLANS THAT HE CAN POSSIBLY VERIFY WITH A SITE INSPECTION.

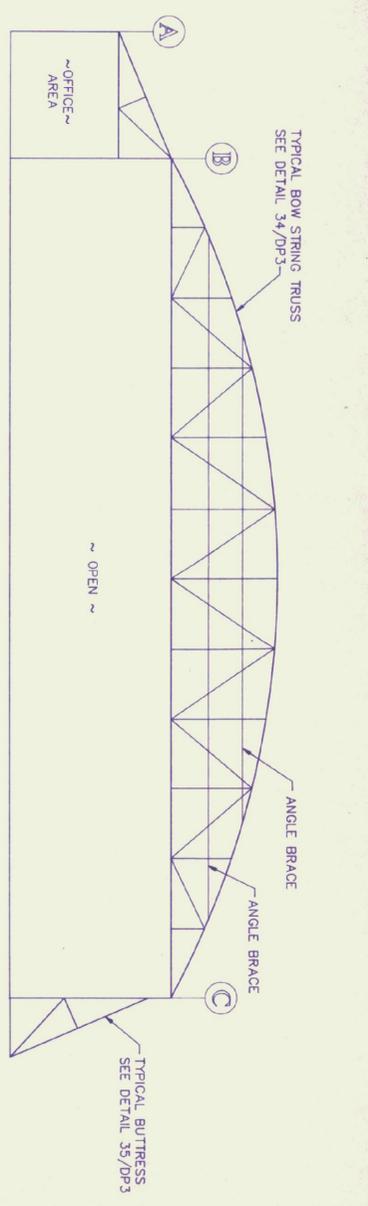
ROOF FRAMING PLAN
 SCALE: 1/8"=1'-0"



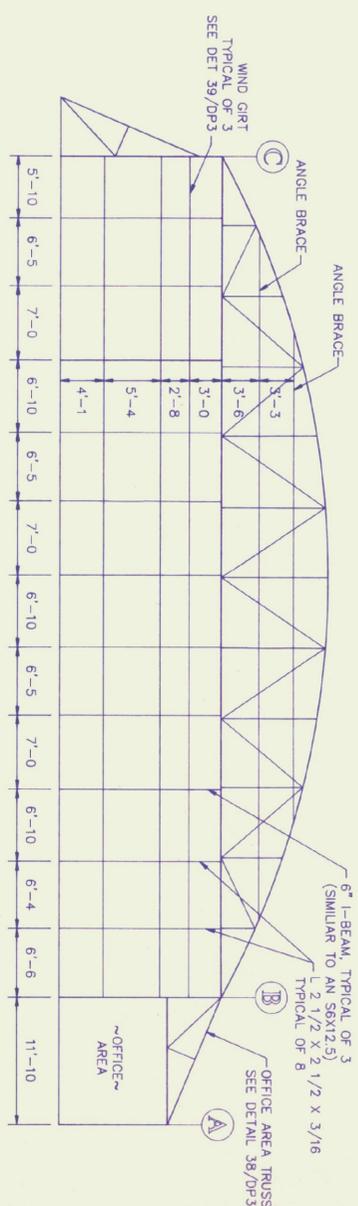
SOUTH ELEVATION
 SCALE: 1/8"=1'-0"



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



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

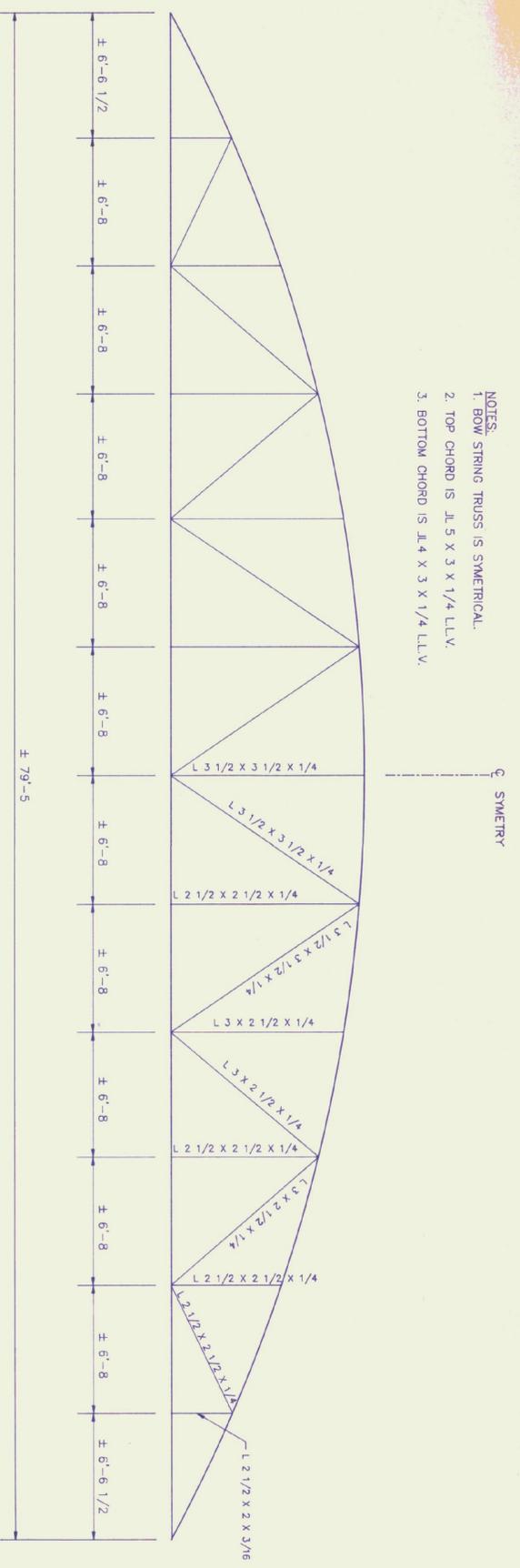


EAST ELEVATION
 SCALE: 1/8"=1'-0"

Rev No	Date	Description	Made by	Checked by	App'd by

NEW AIRPORT HANGAR EDWARD F. KNAPP AIRPORT EXISTING FRAMING DEMOLITION PROJECT NO. AIR 03 2073		DP2
Scale AS NOTED		
CHENETTE ENGINEERING, INC. 50 STATE STREET MONTPELIER, VERMONT 05602		Date AUG 1990 Dwg. 22-002-2

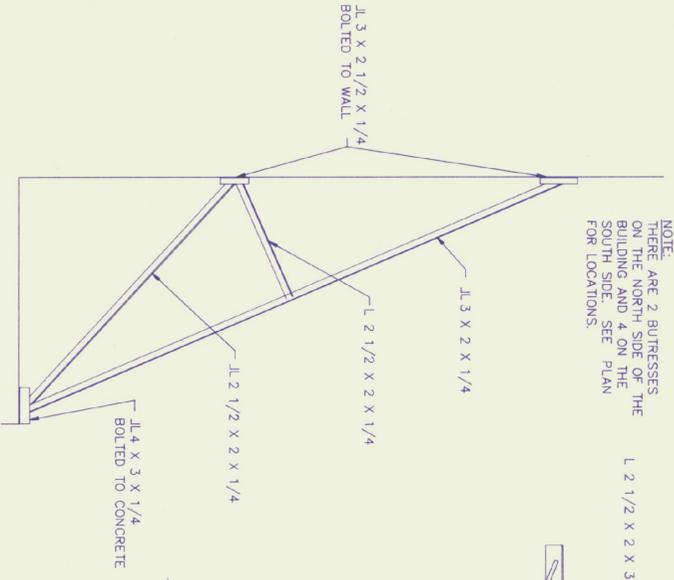




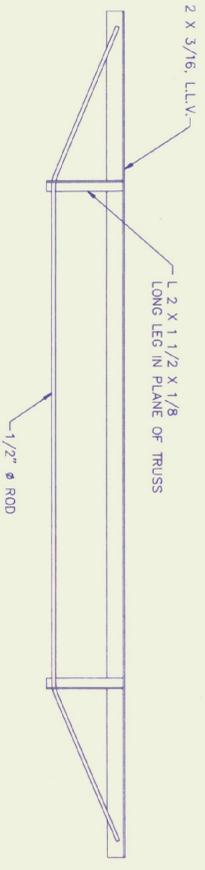
NOTES:
 1. BOW STRING TRUSS IS SYMMETRICAL.
 2. TOP CHORD IS ± 5 X 3 X 1/4 L.L.V.
 3. BOTTOM CHORD IS ± 4 X 3 X 1/4 L.L.V.

DETAIL
 TYPICAL BOWSTRING TRUSS
 SCALE: 1/4" = 1'-0"
 34
 DP2

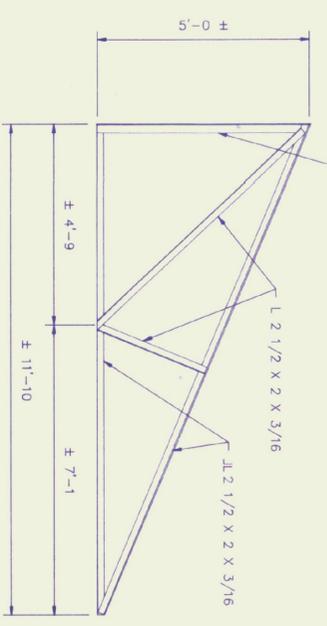
NOTE:
 THERE ARE 2 BUTRESSES
 ON THE NORTH SIDE OF THE
 BUILDING AND 4 ON THE
 SOUTH SIDE. SEE PLAN
 FOR LOCATIONS.



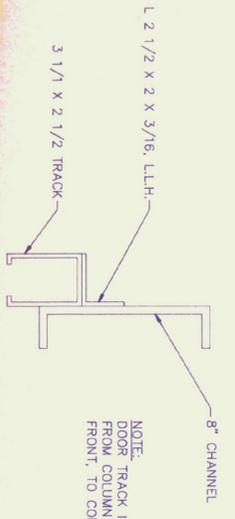
DETAIL
 BUTTRESS TRUSS
 SCALE: NONE
 35
 DP2



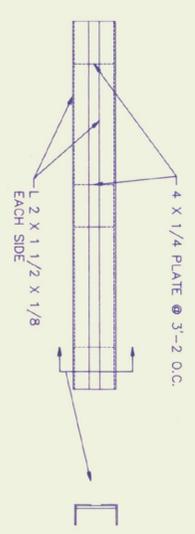
DETAIL
 ROOF PURLIN
 SCALE: NONE
 37
 DP3



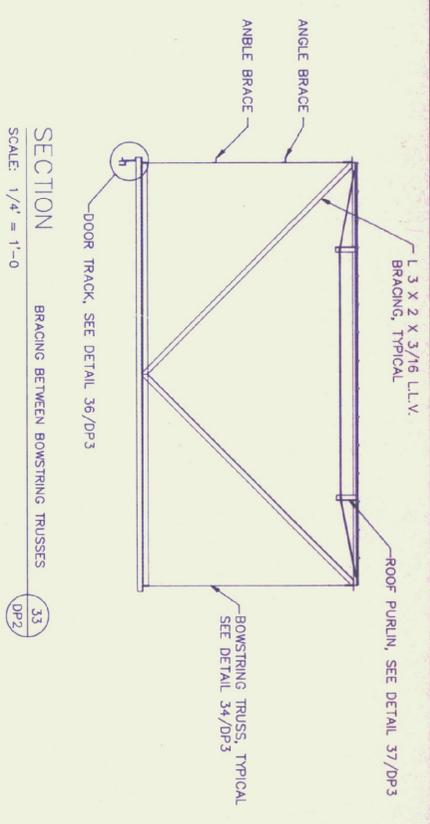
DETAIL
 OFFICE AREA TRUSS
 SCALE: NONE
 38
 DP2



DETAIL
 DOOR TRACK
 SCALE: NONE
 36
 DP2



DETAIL
 TYPICAL WIND GIRT
 SCALE: NONE
 39
 DP2



SECTION
 BRACING BETWEEN BOWSTRING TRUSSES
 SCALE: 1/4" = 1'-0"
 33
 DP2



Rev No	Date	Description	Made By	Checked By	App'd By
		NEW AIRPORT HANGAR EDWARD F. KNAPP AIRPORT DEMOLITION PLAN EXIST. DETAILS PROJECT NO. AIR 03 2013			

Scale AS NOTED

Sheet of **DP3**

CHENETTE ENGINEERING, INC.
 50 STATE STREET
 MONTPELIER, VERMONT 05602

Des. By: DHH
 Dwn. By: MJC
 Date: AUG 1990
 Dwg. 22-002-2

ELECTRICAL LEGEND

- LUMINAIRES**
- CEILING LIGHT
 - WALL LIGHT
 - ⊗ EXIT - WALL
 - ⊕ EMERGENCY LIGHT - DOUBLE HEAD
- WALL SWITCHES**
- \$ SWITCH 48" AFF
 - Ⓜ MANUAL MOTOR STARTER
- WALL RECEPTACLES**
- ⊕ DUPLEX OUTLET +40" AFF
 - ⊕ SPLIT WIRED DUPLEX OUTLET
 - ⊕ SINGLE SPECIAL PURPOSE OUTLET
- MISCELLANEOUS EQUIPMENT**
- ⊗ MOTOR STARTER
 - SAFETY SWITCH
 - ▨ ELECTRIC PANEL BOARD
 - Ⓜ MOTOR
 - Ⓜ BRANCH CIRCUIT
- ABBREVIATIONS**
- AFF ABOVE FINISHED FLOOR
 - EC ELECTRICAL CONTRACTOR
 - ES EQUIPMENT SUPPLIER
 - GC GENERAL CONTRACTOR
 - GMP GREEN MOUNTAIN POWER CO.
 - JB JUNCTION BOX
 - GR GROUND
 - GRC GALVANIZED RIGID CONDUIT
 - MOD MOTOR OPERATED DAMPER

ELECTRICAL FIXTURE SCHEDULE

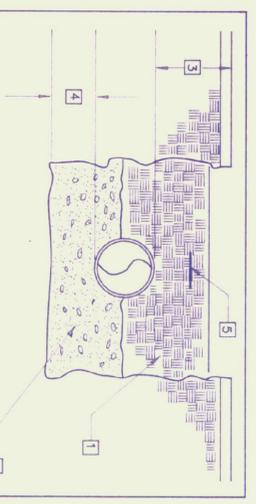
KEY	MANUFACTURER & MODEL	MOUNTING	LAMPS	VOLTAGE	REMARKS
A	GE - UG2535A15E7P SAFETY CHAIN	HOOK / LOOP 19'-6" AFF	250 W - HPS	240	NEMA L6-15PLUG
B	HADCO - VS 1040 HXL P1	10' AFF	35 W - HPS	120	PHOTOCELL CONTROL
C	HIGHEY PHILLIPS - 0820A31 RED SINGLE OSTRUCTION LIGHT	3/4" GRC - 12" ABOVE ROOF RIDGE	116 W - LH116-125A21D	120	1B CONDUIT ON EXTERIOR WALL - 22' AFF
⊕	LIGHT LAMPS - 2P12N1/LH3	4" OUTLET BOX	2 - 12 WATT	12	10' AFF
⊗	LIGHT LAMPS - XE8WV-FL	UNIVERSAL	2-7 WATT-FL	120	12" ABOVE DOOR

SPECIAL PURPOSE OUTLET SCHEDULE

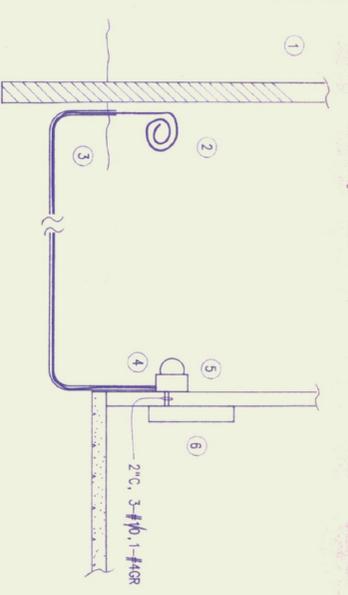
KEY	HEIGHT	ITEM	VOLTS	AMPS	NEMA NO.	HUBBELL CAT. NO.	CONDUIT/WIRE
⊕ 1	40"	WELDER	240	50	10-50R	7962	1" C, 3 - #6
⊕ 2	40"	AUX. HEATER	240	20	6-20R	5461	1/2" C, 3 - #12
⊕ 3	BOTTOM OF PURLIN	TYPE A - FIXTURE	240	15	L6-15R	4580	1/2" C, 3 - #12

MECHANICAL EQUIPMENT SCHEDULE

KEY	DESCRIPTION
EF-1	EXHAUST FAN - GREENHECK SPEC30, 1/3HP, 120 VAC, 5.55HPA, 5875CFM @ .125", 14.3 SONES, FLUSH MOUNTED MOTORIZED DAMPER @ 120VAC, WEATHER HOOD, WALL MOUNT COLLAR, MOTOR SIDE GUARD.
L1, L2	COMBINATION LOUVER / MOTOR OPERATED DAMPER, 48" WIDE x 36" HIGH VENT PRODUCTS MODEL 2000, EXTRUDED ALUMINUM WITH BIRD SCREEN, ADJUST-O-VENT HARDWARE KIT #9027 AND BARBER COLEMAN 120VAC DAMPER ACTUATOR CAT. #MA 418.



- 1 COMPACTED BACKFILL
 - 2 PIPE BEDDING - COMPACTED SAND, GRAVEL OR CRUSHED STONE.
 - 3 48" MINIMUM DEPTH
 - 4 6" MINIMUM
 - 5 MARKING TAPE - SEE SPECIFICATIONS
- UNDERGROUND SERVICE TRENCH DETAIL
NO SCALE



ELECTRIC SERVICE DIAGRAM

- EXISTING SERVICE POLE
- ELEC. CONTRACTOR TO PROVIDE 3 - #1/0 SERVICE CABLE. CABLE MUST BE LONG ENOUGH TO EXTEND 3 FT. PAST TERMINATION OF SERVICE LATERAL. SECONDARY RACK WITHOUT SPLICE FOR TERMINATION BY GREEN MOUNTAIN POWER CO. ELEC. CONTRACTOR TO SEAL ENDS OF CABLE TO PREVENT ENTRANCE OF MOISTURE DURING CONSTRUCTION.
- 2" CONDUIT WITH LONG RADIUS ELBOWS, MAINTAIN 7" CLEARANCE BETWEEN CONDUIT AND POLE FOR STANDOFF/RISER. INSTALLATION BY GMP. NOTIFY WITH GMP. NOTIFY ENGINEER PRIOR TO BACK FILLING SERVICE TRENCH.
- PROVIDE FROST JOINT AT METER.
- PROVIDE METER BOX PER GMP SPECIFICATION. PROVIDE QUAN. 2, 5/8"x8" LONG GROUND RODS, 6' APART WITH CONTINUOUS #4 COPPER GROUNDING CONDUCTOR. GROUND PER NEC AND GMP REQUIREMENTS.
- POWER PANEL - 1PP WITH 150 AMP MAIN CIRCUIT BREAKER.

KEYED NOTES

- PROVIDED BY ES WITH PIGTAIL, EC TO PROVIDE CONNECTOR & TERMINATE PIGTAIL IN JB.
- PROVIDED BY EC
- PROVIDED BY ES. INSTALLED BY EC.
- MOUNT 4"x4" BOX 8" - 12" ABOVE DOOR 4" IN FROM JAMB. 1 - #10, 1 - #12GR, 3 - #14, 1 - #12GR
- 1" C, 5 - #10, 1 - #12GR, 3 - #14 CONTROL
- USE 1/4" EXTERIOR PLASTIC WIRE TIES ON 18" CENTERS TO SECURE S/O WIRES INSIDE ALUMINUM CHANNEL. (TYPICAL)
- 2"x2"x3/4" PLYWOOD PAINT GRAY
- SAFETY SWITCH
- STARTERS
- PUSH BUTTON STATION
- 5/0 CONDUIT
- LOCK SWITCH
- LOCK SWITCH
- MOTOR 4"x4" ELECTRICAL BOX
- CONDUIT RUN ACROSS DOOR TO TIE MOTORS TOGETHER
- 3/4" C, 3 - #12, 2 - #14, 1 - #12GR
- LIMIT SWITCH

BI-FOLD DOOR DETAIL



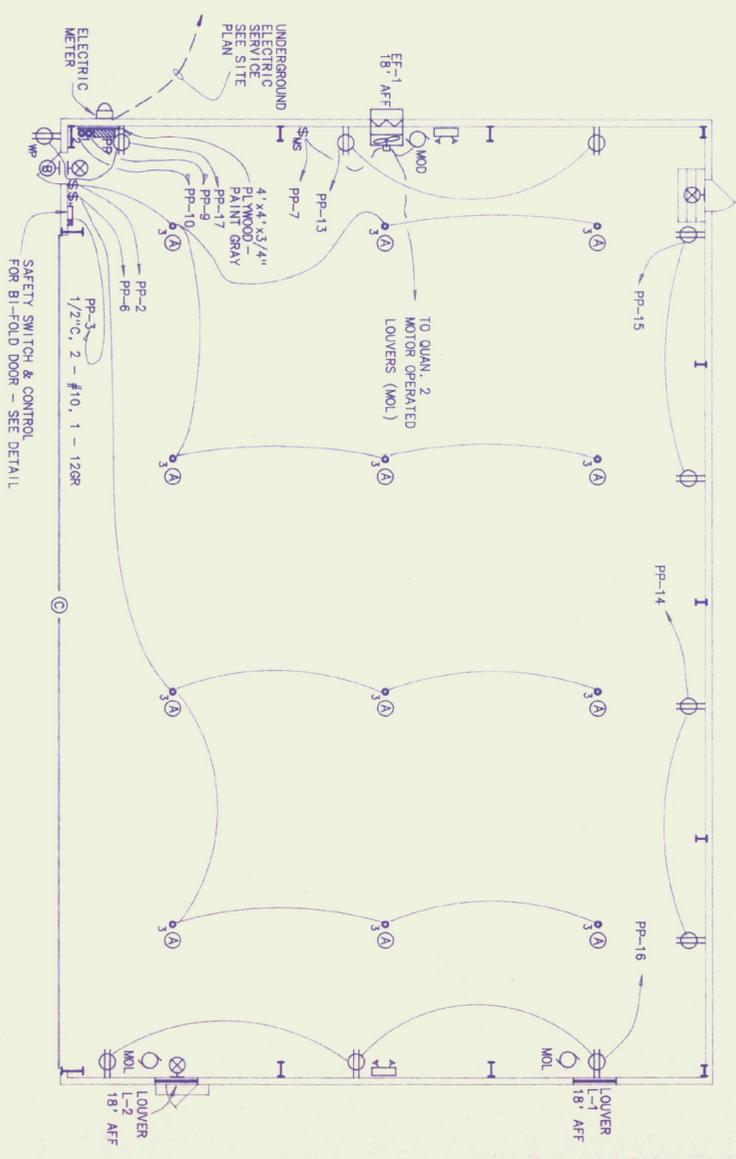
PANEL DESIGNATORS

PANEL : PP

MAINTING: SURFACE
MAIN: 150 AMP - MAIN CIRCUIT BRKR - 120/240V - 1 PHASE - 3 WIRE
BRANCHES: AS SHOWN
CONNECTED LOAD : 16 KW

CKT NO.	KW LOAD	DESCRIPTION	BREAKER P AMP	BREAKER P AMP	DESCRIPTION	KW LOAD	CKT NO.
1	0.5	***	1	20	2.4	2	2
3	2.0	BI-FOLD DOOR	2	30	-	4	2
5	-	"	-	20	2.4	6	6
7	0.3	EXH FAN/MOTOR GP - LOUVERS	1	15	-	8	8
9	4.0	WELDER OUTLET	2	50	2.0	10	10
11	-	-	-	-	-	12	12
13	0.5	RECEPTACLES	1	20	0.5	14	14
15	0.5	"	1	20	0.5	16	16
17	0.5	"	1	20	0.5	18	18
19	-	SPARE	1	20	-	20	20
21	-	SPARE	1	20	-	22	22
23	-	SPACE	-	-	-	24	24
25	-	SPACE	-	-	-	26	26
27	-	SPACE	-	-	-	28	28
29	-	SPACE	-	-	-	30	30

CKT#1 *** PROVIDE HANDLE LOCK
*** EXIT, EMERGENCY, ENTRY & OBSTRUCTION LIGHTS



ELECTRIC & VENTILATION PLAN



M/E 1

CHENETTE ENGINEERING, INC.

50 STATE STREET
MONTPELIER, VERMONT 05602

NEW AIRPORT HANGER
EDWARD F. KNAPP AIRPORT
MECHANICAL / ELECTRICAL
PLAN DETAILS

DATE: 08/02/90	SCALE: AS SHOWN	REVISIONS:	DWG NO. M/E 1
DRAWN BY: B.W.M.	APPROVED BY: E.E.P.		



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