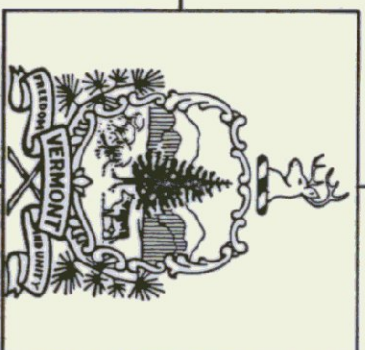


STATE OF VERMONT
AGENCY OF TRANSPORTATION
PATRICK J. GARAHAN, SECRETARY

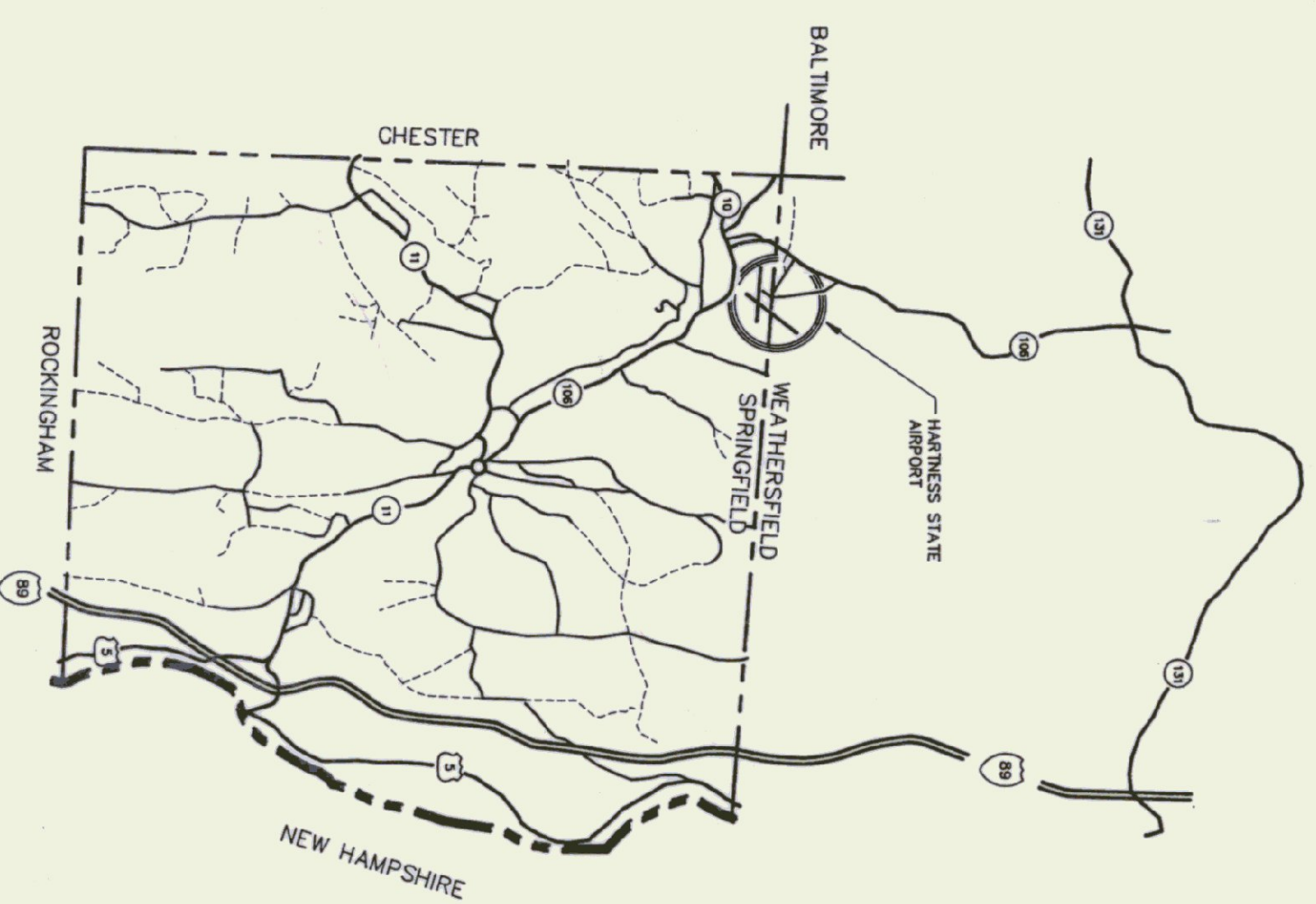


STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
JOHN J. ZAMPIERI, COMMISSIONER

NEW AIRPORT HANGAR #3-4 HARTNESS STATE AIRPORT SPRINGFIELD, VERMONT

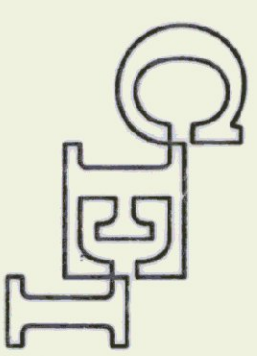
PROJECT NO. AIR 04 - 3108
GOVERNOR HOWARD DEAN, M.D.

| INDEX | |
|-------|------------------------------|
| C1 | SITE PLAN |
| C2 | MISCELLANEOUS DETAILS |
| A1 | FLOOR PLANS & ELEVATIONS |
| A2 | SECTIONS & DETAILS |
| S1 | FOUNDATION PLAN & DETAILS |
| S2 | ROOF FRAMING PLAN & DETAILS |
| E1 | ELECTRICAL PLANS AND DETAILS |
| M1 | MECHANICAL PLANS AND DETAILS |



LOCATION MAP

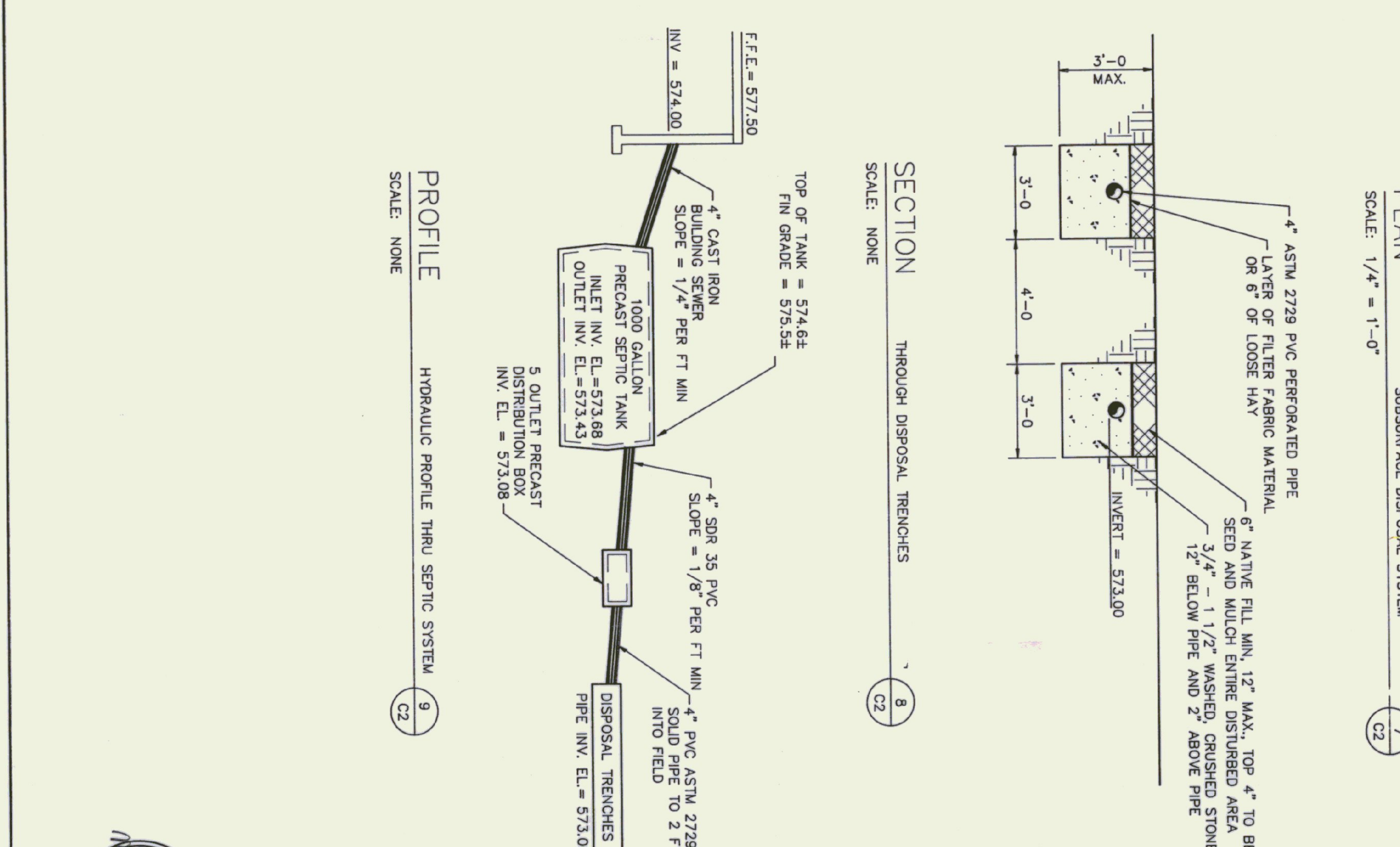
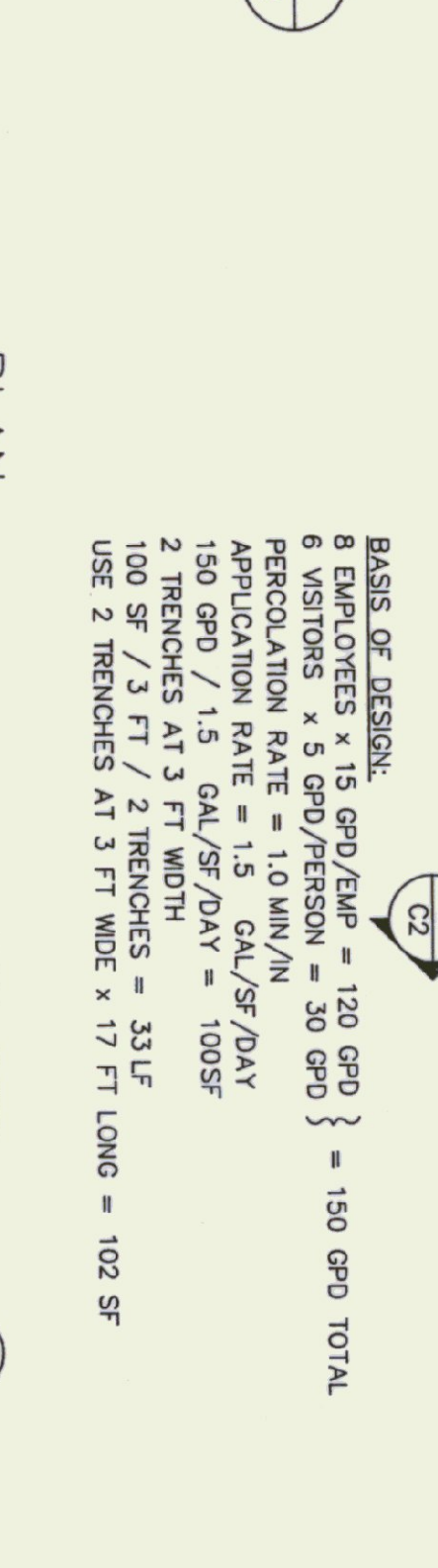
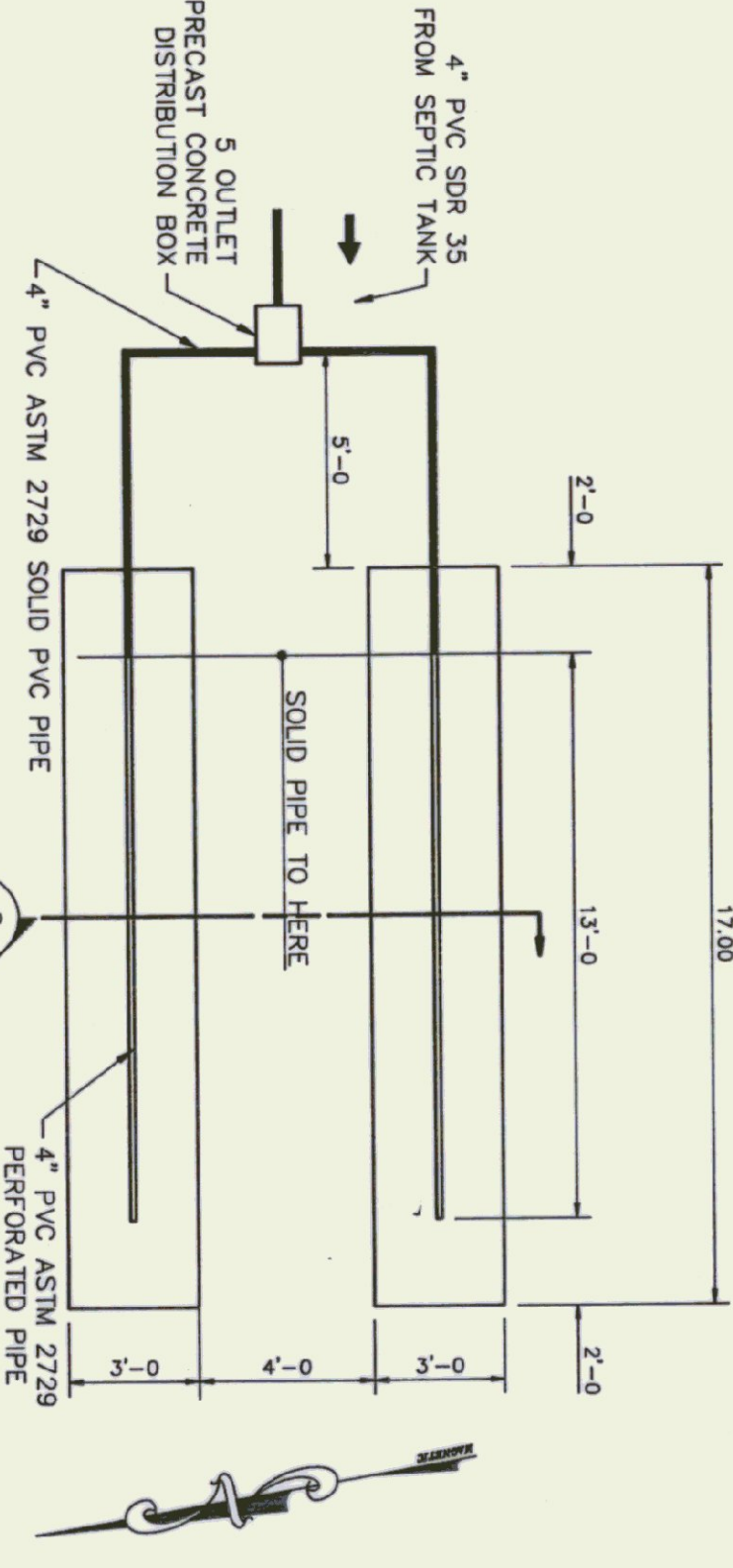
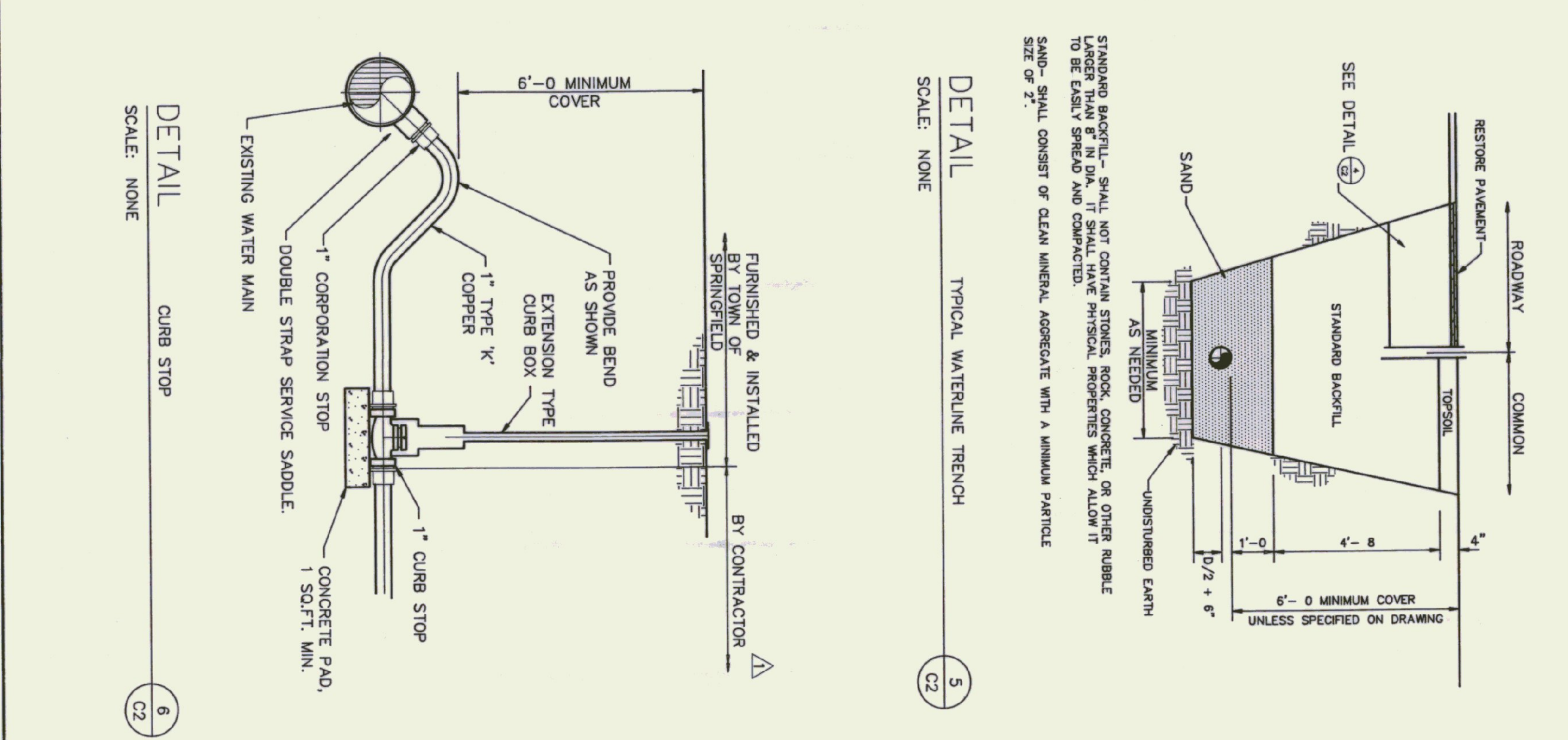
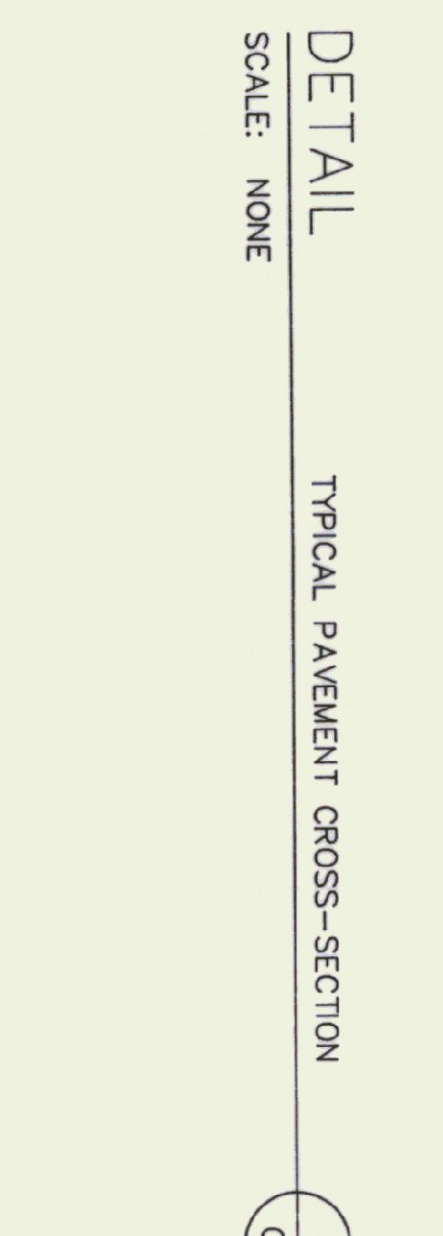
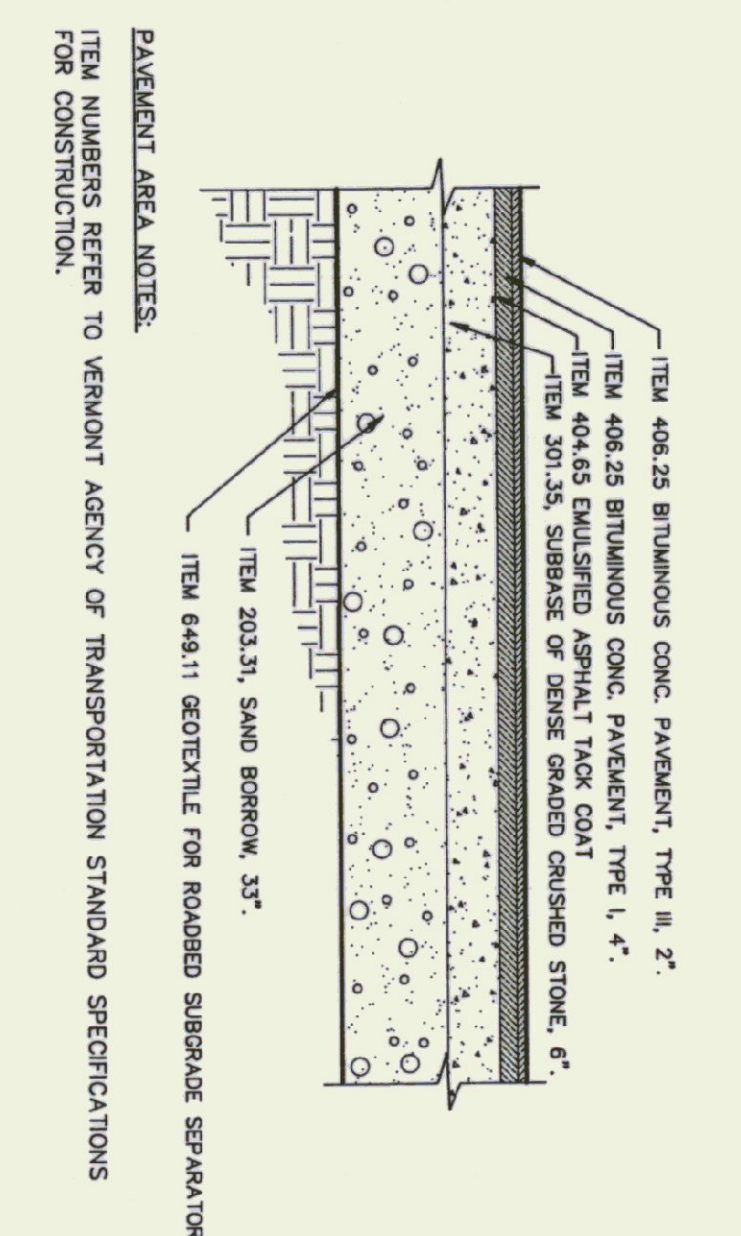
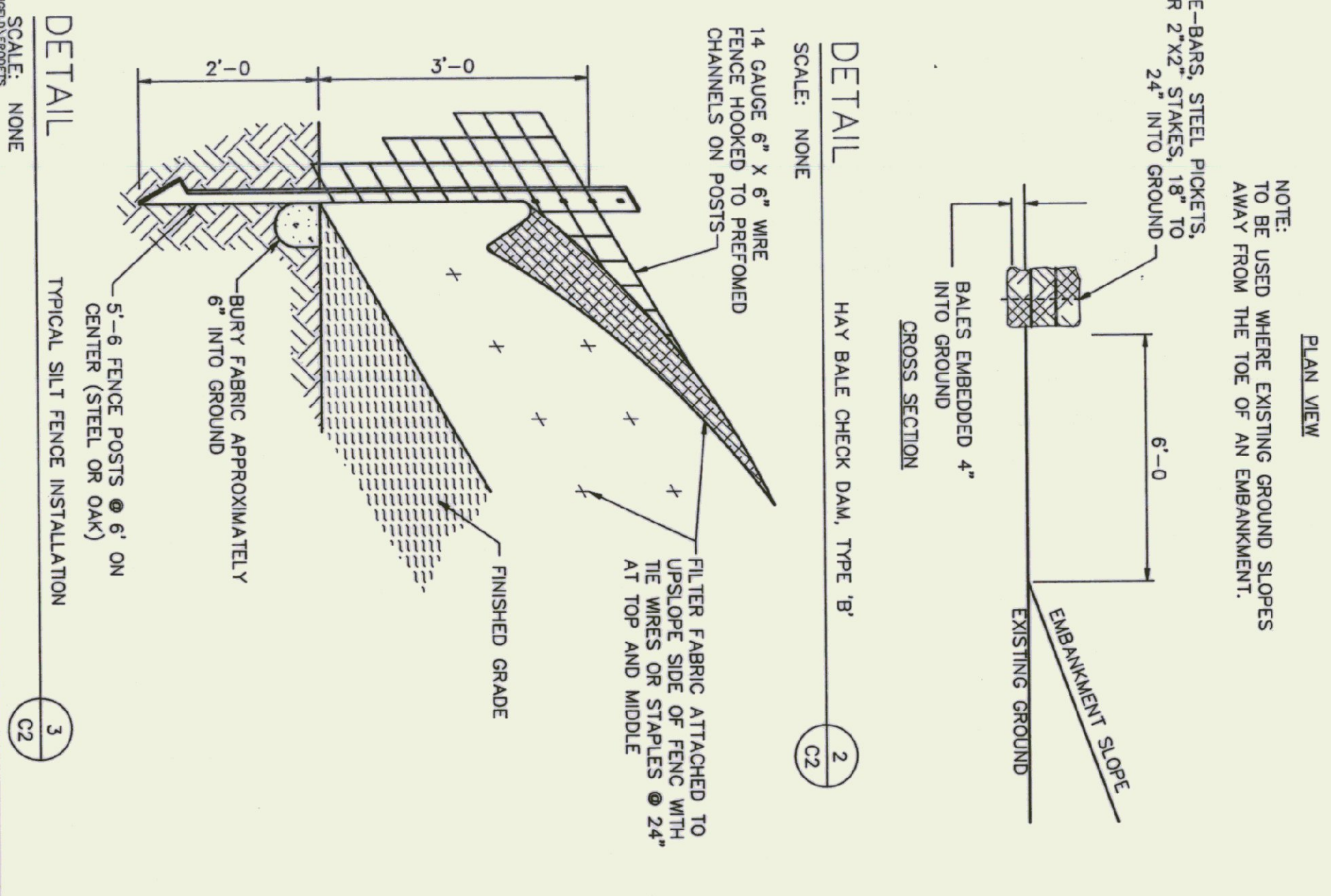
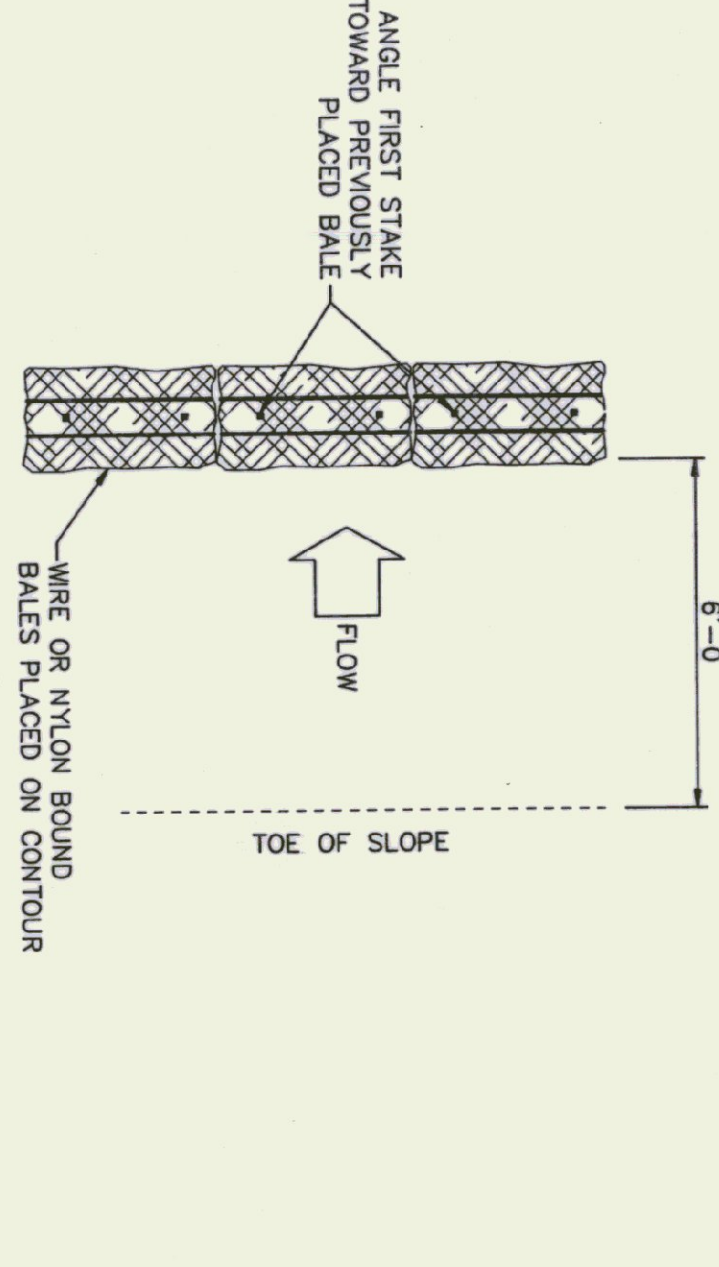
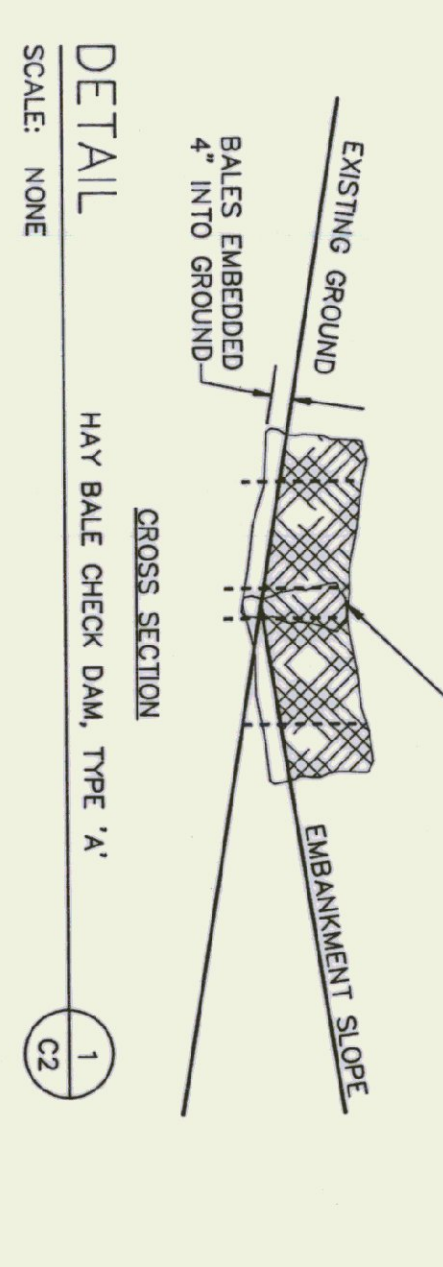
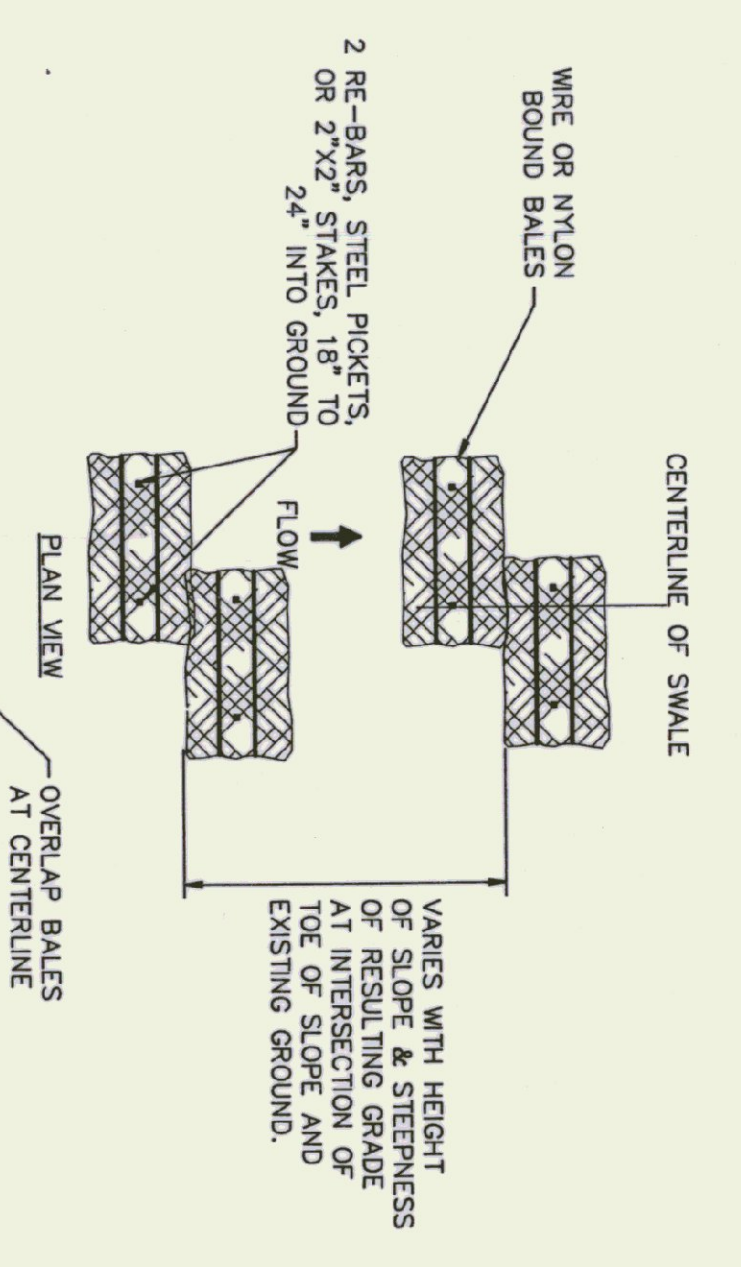
CIVIL/STRUCTURAL ENGINEERS



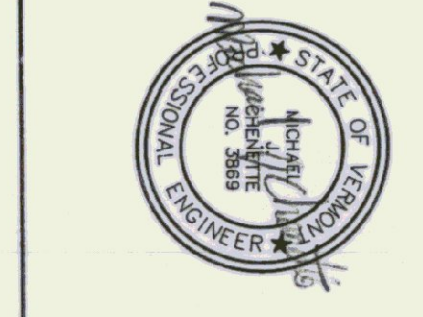
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

ELECTRICAL ENGINEERING

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

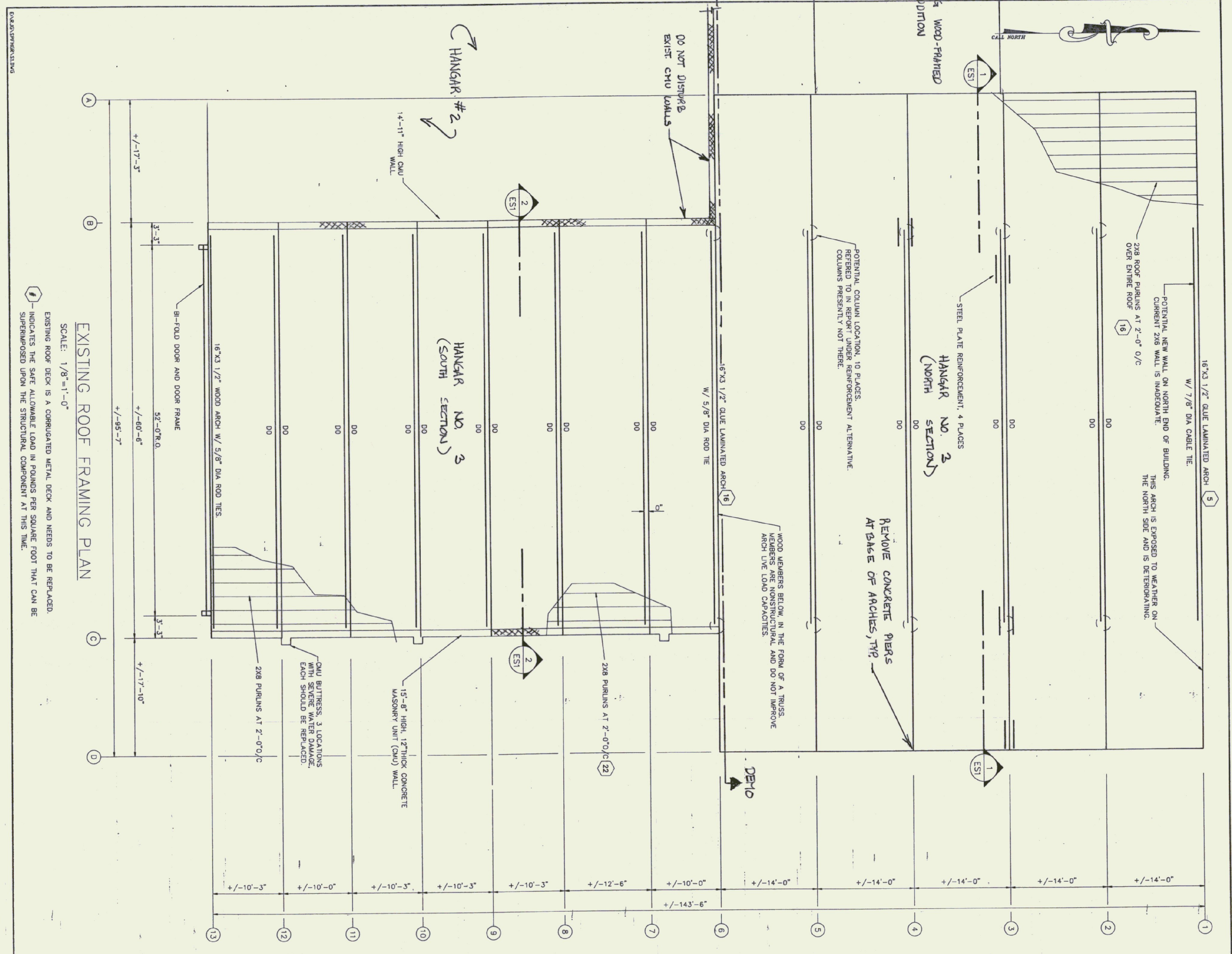


- SEPTIC SYSTEM CONSTRUCTION NOTES:**
1. THE DISTRIBUTION BOX SHALL BE PRECAST CONCRETE SET LEVEL AND ARRANGED SO THAT EFFLUENT IS EVENLY DISTRIBUTED TO EACH DISTRIBUTION LINE. ADEQUATE PROVISIONS SHALL BE TAKEN TO ASSURE STABILITY AND PROVIDE ACCESS FOR INSPECTION OF THE DISTRIBUTION BOX. INSTALL FLOW EQUALIZERS AS MANUFACTURED BY S&I, INC. OR APPROVED EQUAL WHERE DISTRIBUTION PIPING LEAVES DISTRIBUTION BOX.
 2. EACH DISTRIBUTION LINE SHALL CONNECT INDIVIDUALLY TO THE DISTRIBUTION BOX AND EXIT AT THE SAME SLOPE FOR THE FIRST 5 TO 10 FEET FROM THE BOX.
 3. THE PIPE CONNECTING THE DISTRIBUTION BOX TO THE DISTRIBUTION LINES SHALL BE OF A TIGHT JOINT CONSTRUCTION LAID ON UNDISTURBED EARTH OR PROPERLY BEDDED MATERIAL THROUGHOUT ITS LENGTH.
 4. WHEN THE TRENCHES HAVE BEEN EXCAVATED, THE SIDES AND BOTTOM SHALL BE REINFORCED TO PREVENT COLLAPSE. SURFACES AND THE LOOSE MATERIAL BEHIND THE CONSTRUCTION EQUIPMENT NOT NEEDED TO CONSTRUCT THE SYSTEM SHOULD BE KEPT OFF THE AREA TO BE UTILIZED FOR THE ABSORPTION TRENCH SYSTEM TO PREVENT UNDESIRABLE COMPACTION TO THE SOILS. CONSTRUCTION SHALL NOT BE INITIATED WHEN THE SOIL MOISTURE CONTENT IS HIGH. (IF A FRAGMENT OF SOIL OCCURRING APPROXIMATELY 9" BELOW THE SURFACE CAN EASILY BE ROLLED INTO A MISE, THE SOIL MOISTURE CONTENT IS TOO HIGH FOR CONSTRUCTION PURPOSES.)
 5. THE DISTRIBUTION LINE SHALL BE CAREFULLY PLACED ON THE BENDING AT A UNIFORM SLOPE NOT EXCEEDING 1 TO 2 INCHES IN 100 FEET AND COVERED WITH AT LEAST 2 INCHES OF CRUSHED STONE. (SEE DETAIL.)
 6. THE ENDS OF THE DISTRIBUTION PIPING SHALL BE CAPPED OR PLUGGED. THE ENDS ARE TO BE CONNECTED WITH THE SAME 4 INCH PVC PIPE IF THE LINES ARE ALL AT THE SAME ELEVATION.
 7. SEPTIC TANK TO BE PRECAST CONCRETE. SEPTIC TANK TO HAVE ACCESS RISER TO GRADE AT THE CENTER OPENING WITH TIGHT FITTING EXPOSED COVER. INLET BAFFLE TO EXTEND 6 INCHES BELOW WATER LEVEL TO GRADE. INLET BAFFLE TO EXTEND 6 INCHES BELOW WATER LEVEL. MINIMUM (BUT LESS THAN OUTLET BAFFLE) AND OUTLET BAFFLES SHALL EXTEND TO A DEPTH EQUAL TO 40% OF LIQUID LEVEL. BAFFLES TO BE CONSTRUCTED OF EITHER PRECAST CONCRETE OR PVC SDR 35 TEES AND PIPE.

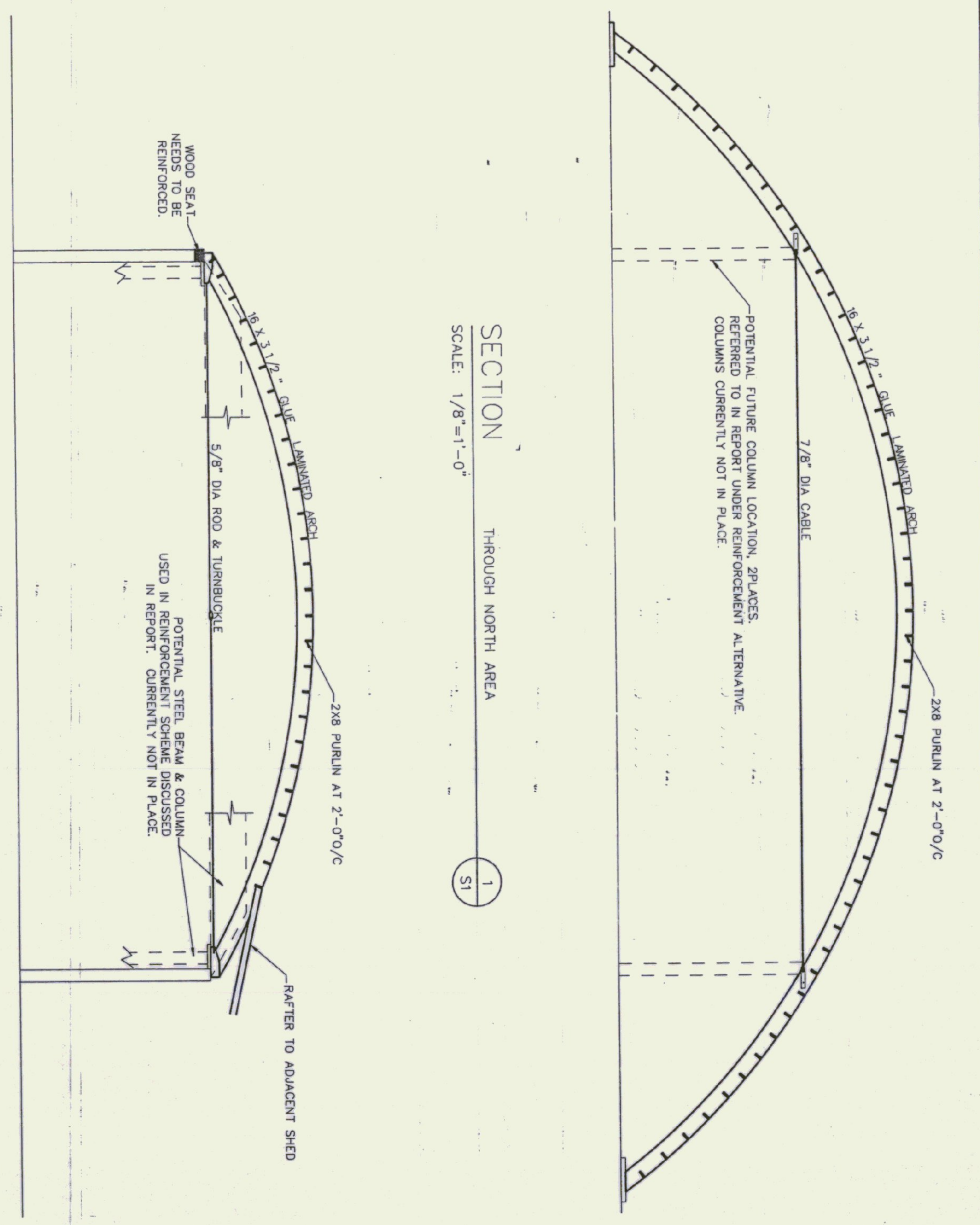


| | |
|---|---|
| <p>NEW AIRPORT HANGAR #3 MISCELLANEOUS DETAILS</p> <p>CHENETTE ENGINEERING, INC. 50 STATE STREET MONTPELIER, VERMONT 05602</p> | <p>Sheet 2 of 8</p> <p>Scale: NONE</p> <p>Des. By: MJC Dwn. By: MJC Chk. By: MJC Date: JULY 94</p> |
|---|---|

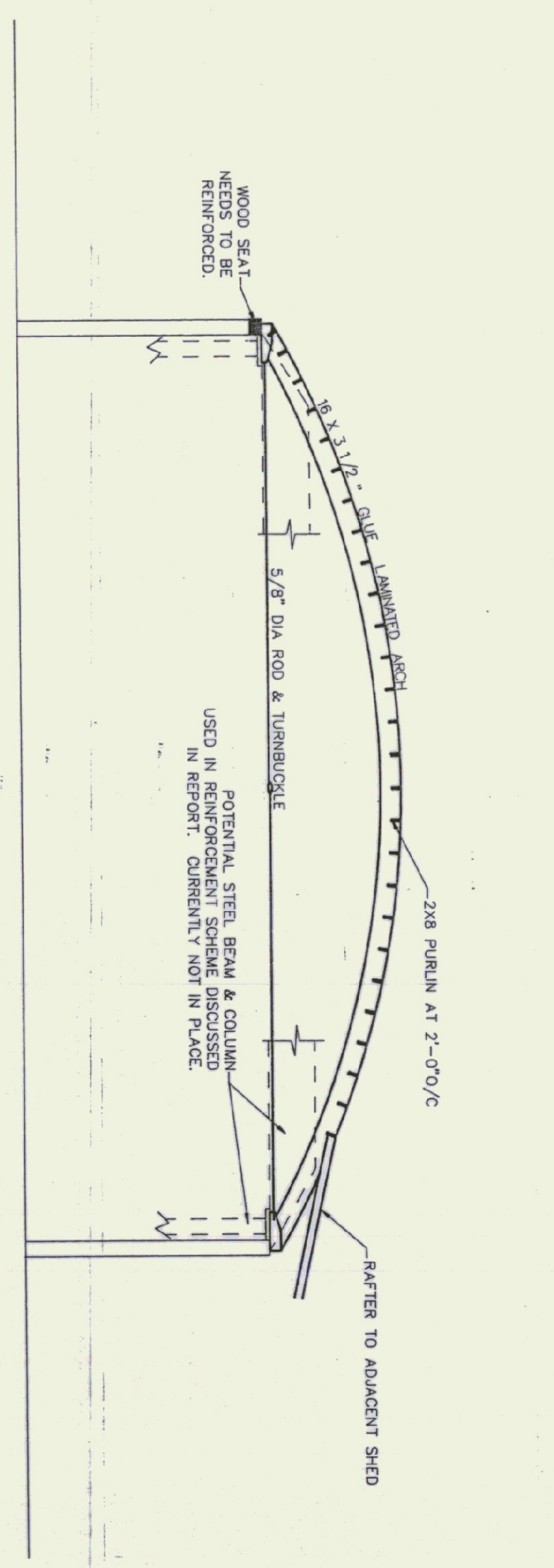
| Rev No | Date | Description | Made by | Checked by | App'd by |
|--------|--------|---------------------------------|---------|------------|----------|
| Δ | 9/8/94 | CURB STOP CONTRACT LIMIT, TITLE | JIS | MJC | MJC |



EXISTING ROOF FRAMING PLAN
 SCALE: 1/8"=1'-0"
 EXISTING ROOF DECK IS A CORRUGATED METAL DECK AND NEEDS TO BE REPLACED.
 # INDICATES THE SAFE ALLOWABLE LOAD IN POUNDS PER SQUARE FOOT THAT CAN BE SUPERIMPOSED UPON THE STRUCTURAL COMPONENT AT THIS TIME.



SECTION
 THROUGH NORTH AREA
 SCALE: 1/8"=1'-0"
 1



SECTION
 THROUGH SOUTH AREA
 SCALE: 1/8"=1'-0"
 2

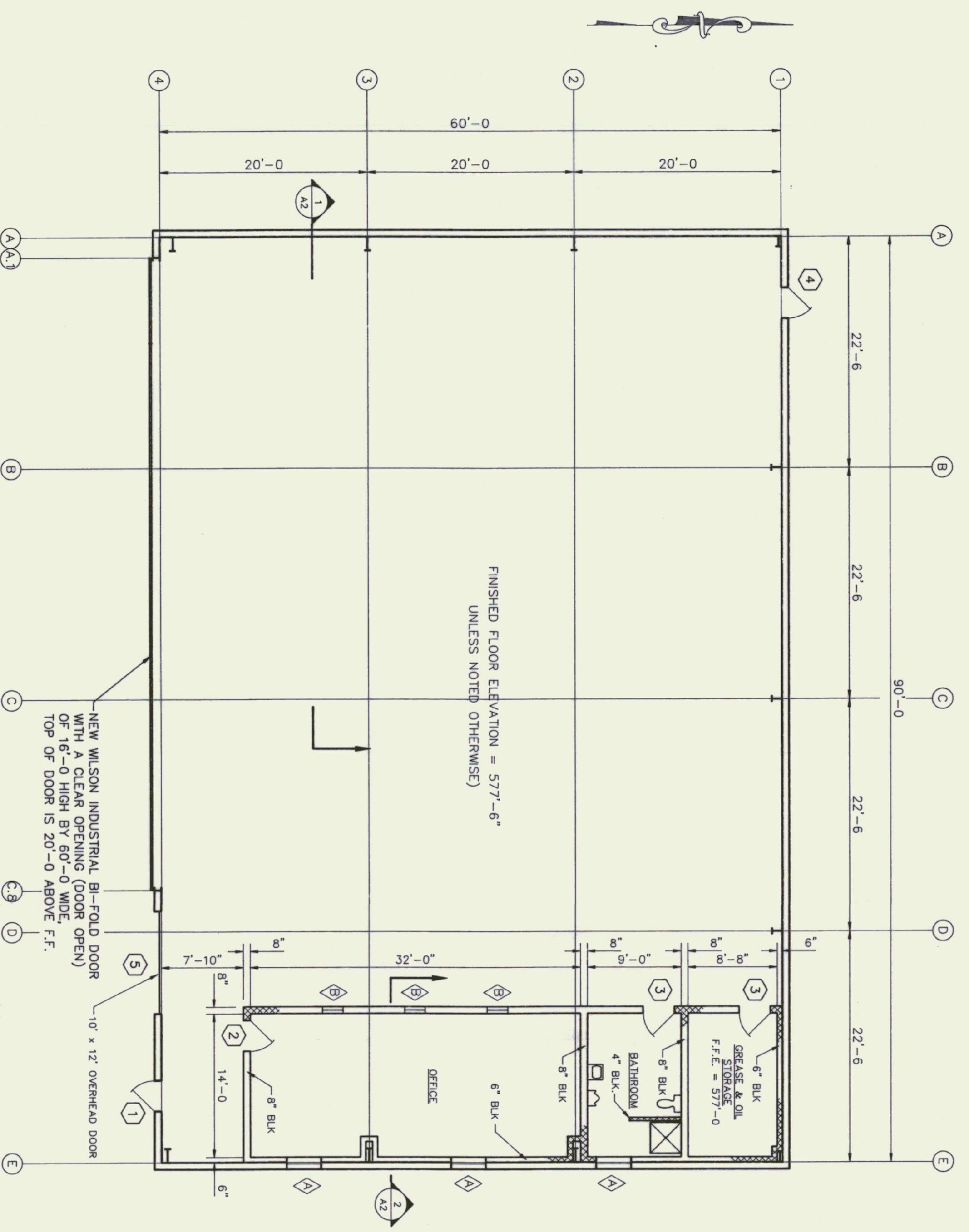
DEMO PLAN
 HANGAR NO. THREE
 NORTH SECTION

| | | | | | |
|--------|---------------|-----------------|---------|------------|-------|
| Rev No | Date | Description | Made By | Checked By | App'd |
| | FEBRUARY 1994 | (REV SEPT 1994) | | | |

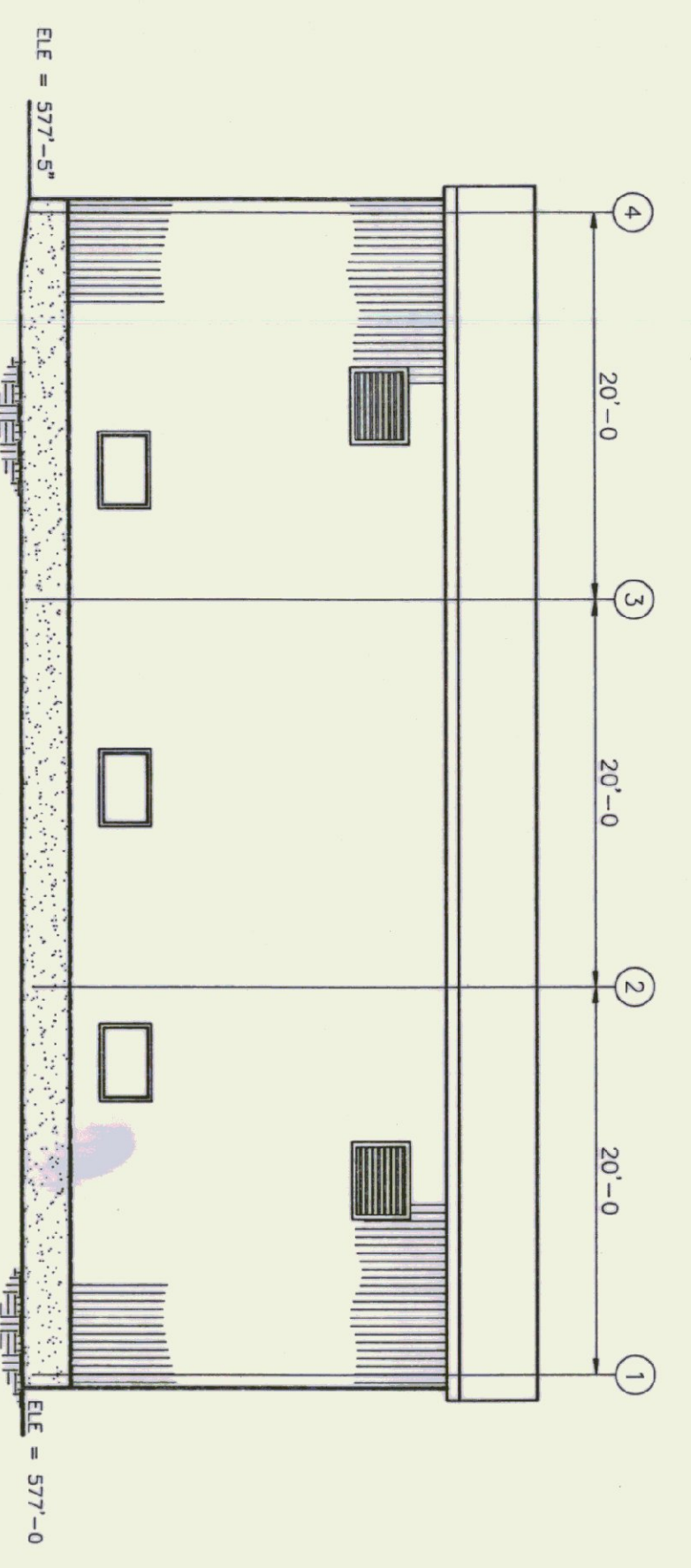
HARTNESS STATE AIRPORT
HANGAR NUMBER THREE
ROOF FRAMING PLAN

ESI
 CHENETTE ENGINEERING, INC.
 50 STATE STREET
 MONTPELIER, VERMONT 05602
 Date OCT 93
 Dwg 22-002-9

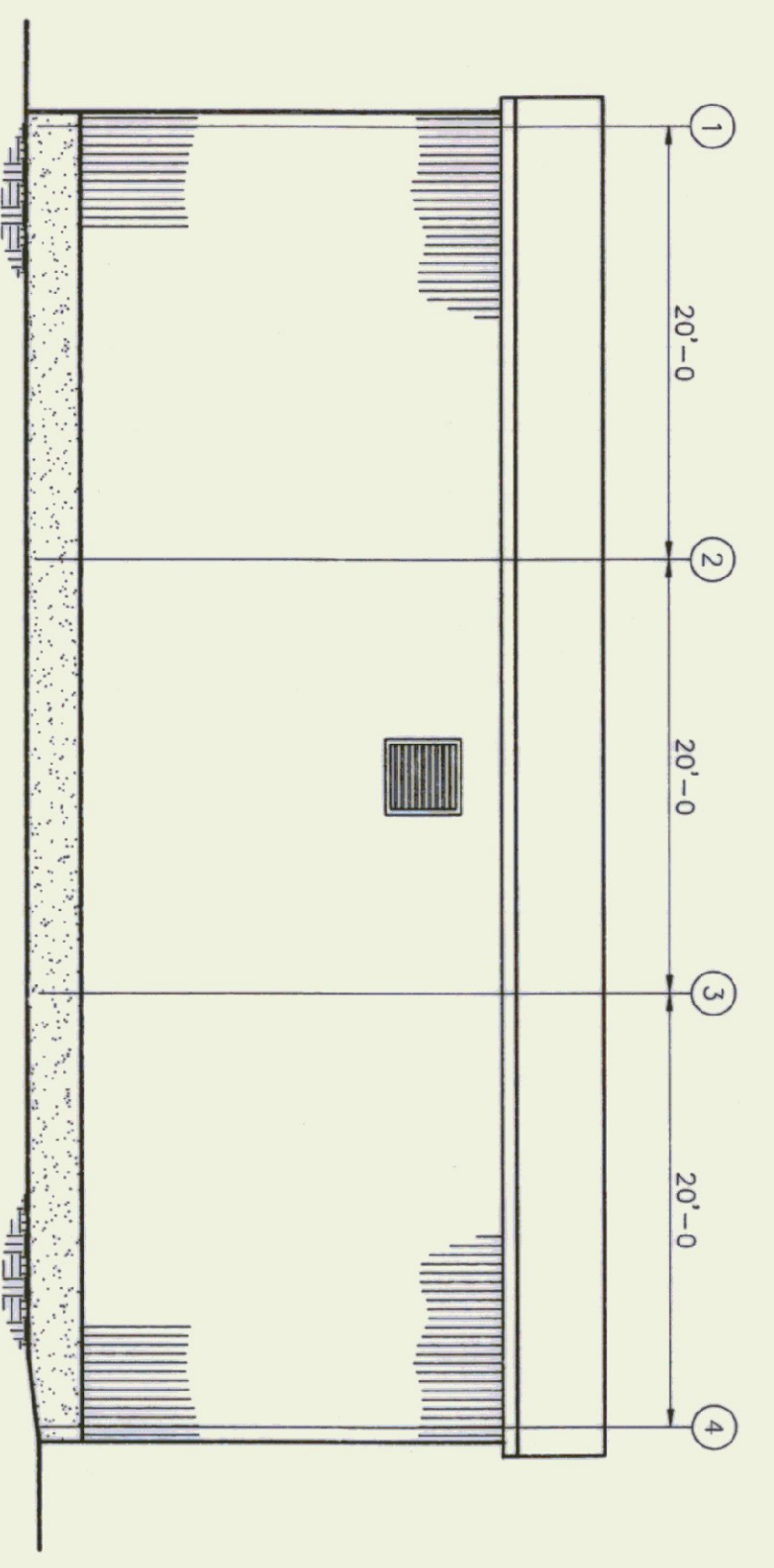
Scale AS NOTED
 Des. By RIG
 Dwn. By RIG
 Chk. By MAC
 Date OCT 93
 Dwg 22-002-9



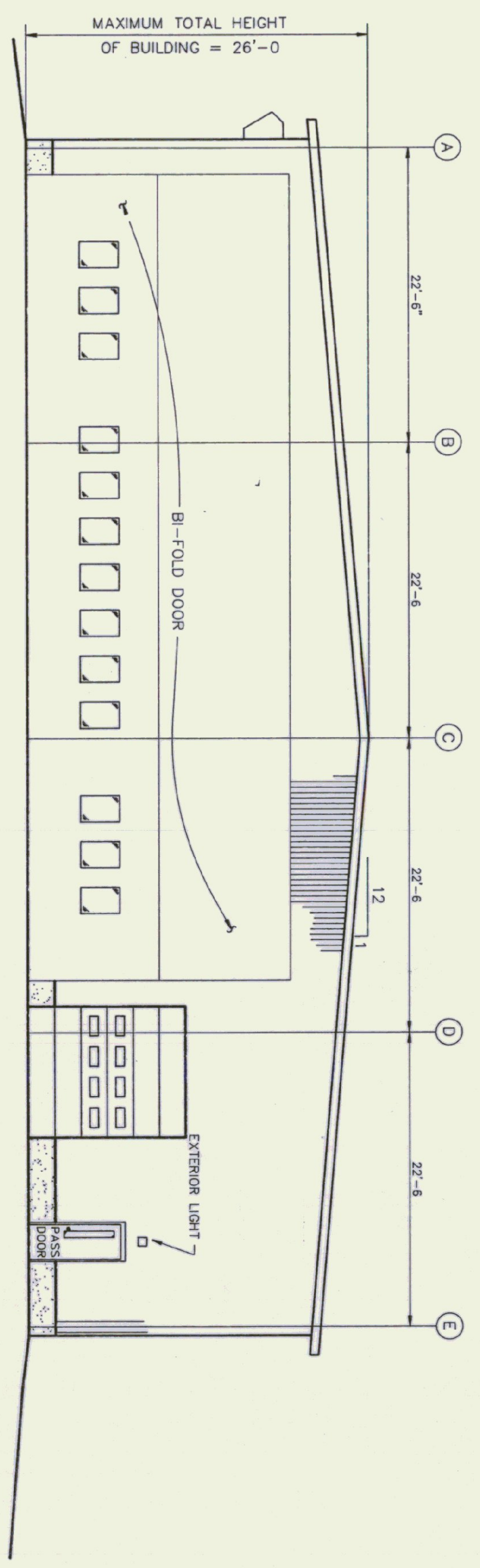
FLOOR PLAN
SCALE: 1/8"=1'-0"



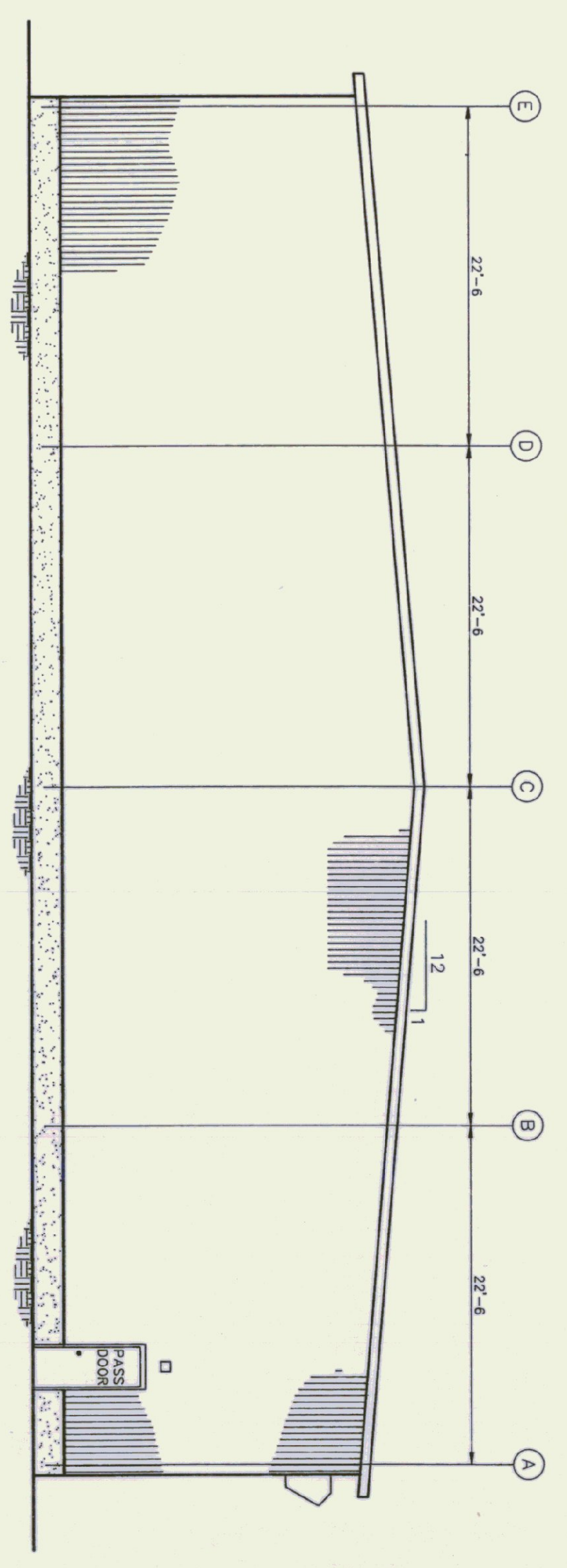
EAST ELEVATION
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WEST ELEVATION
SCALE: 1/8"=1'-0"



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

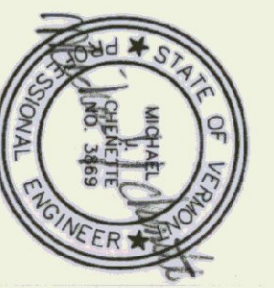


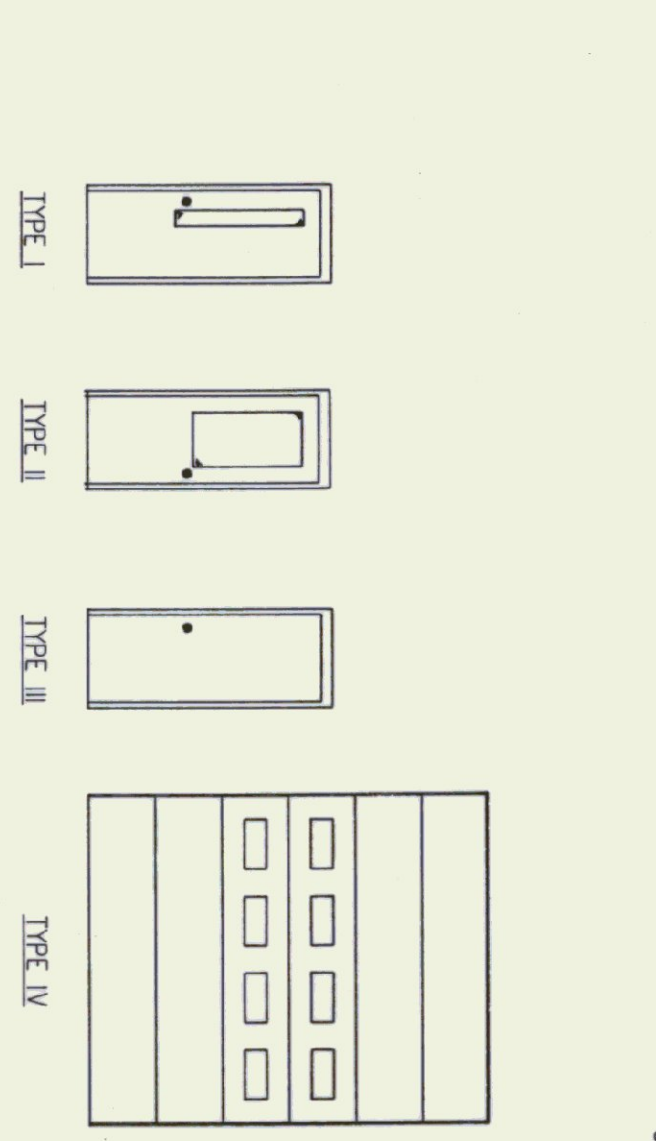
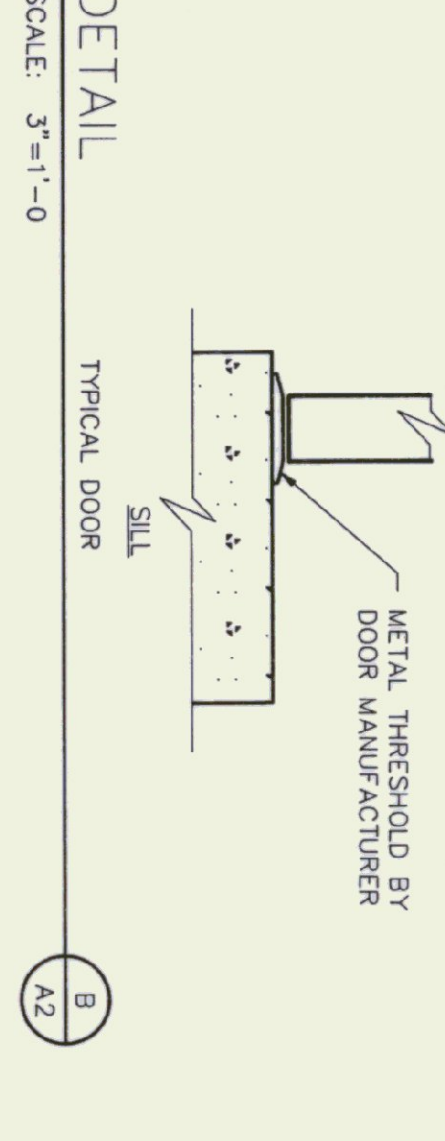
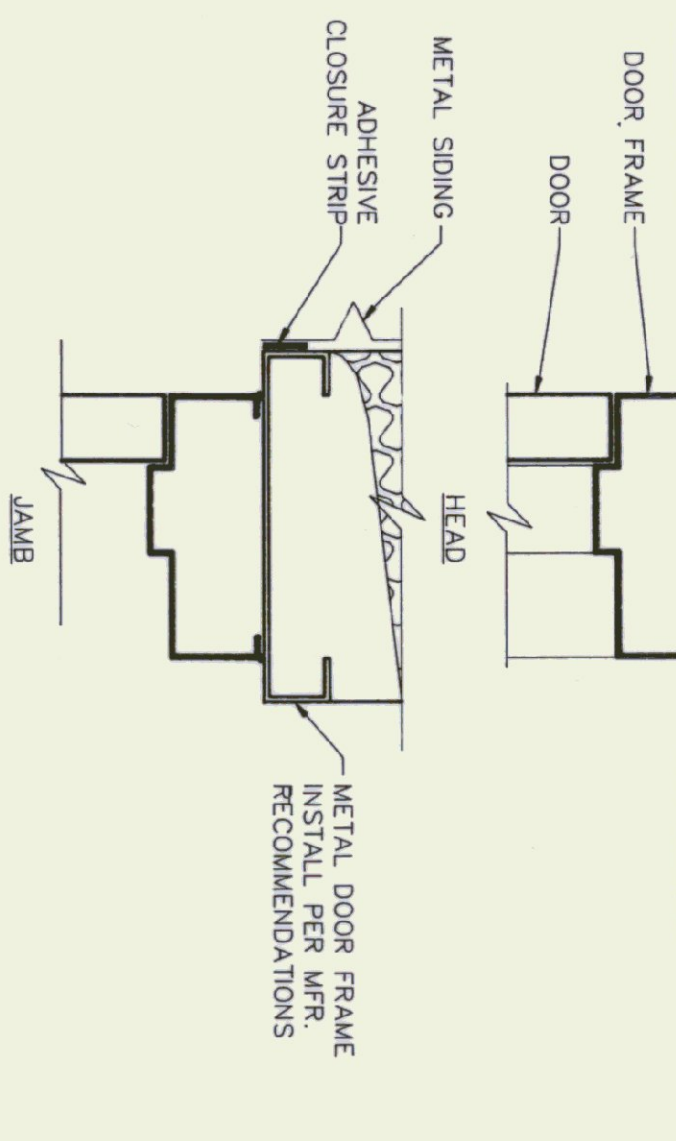
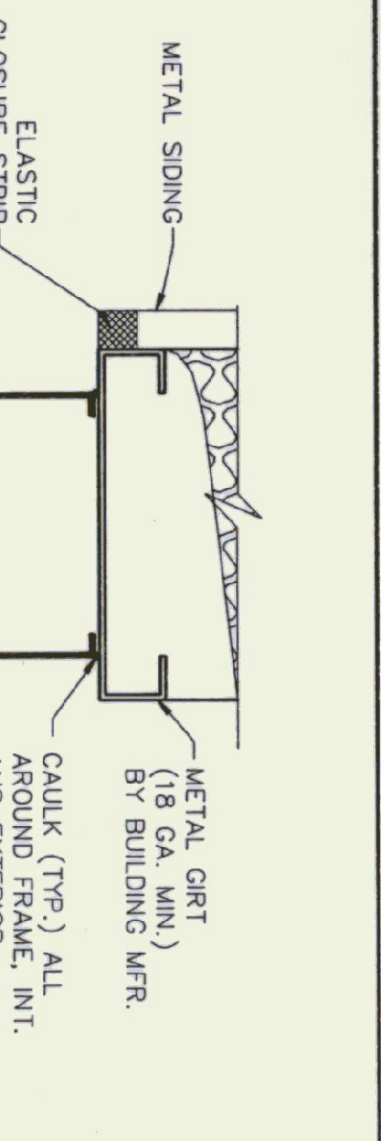
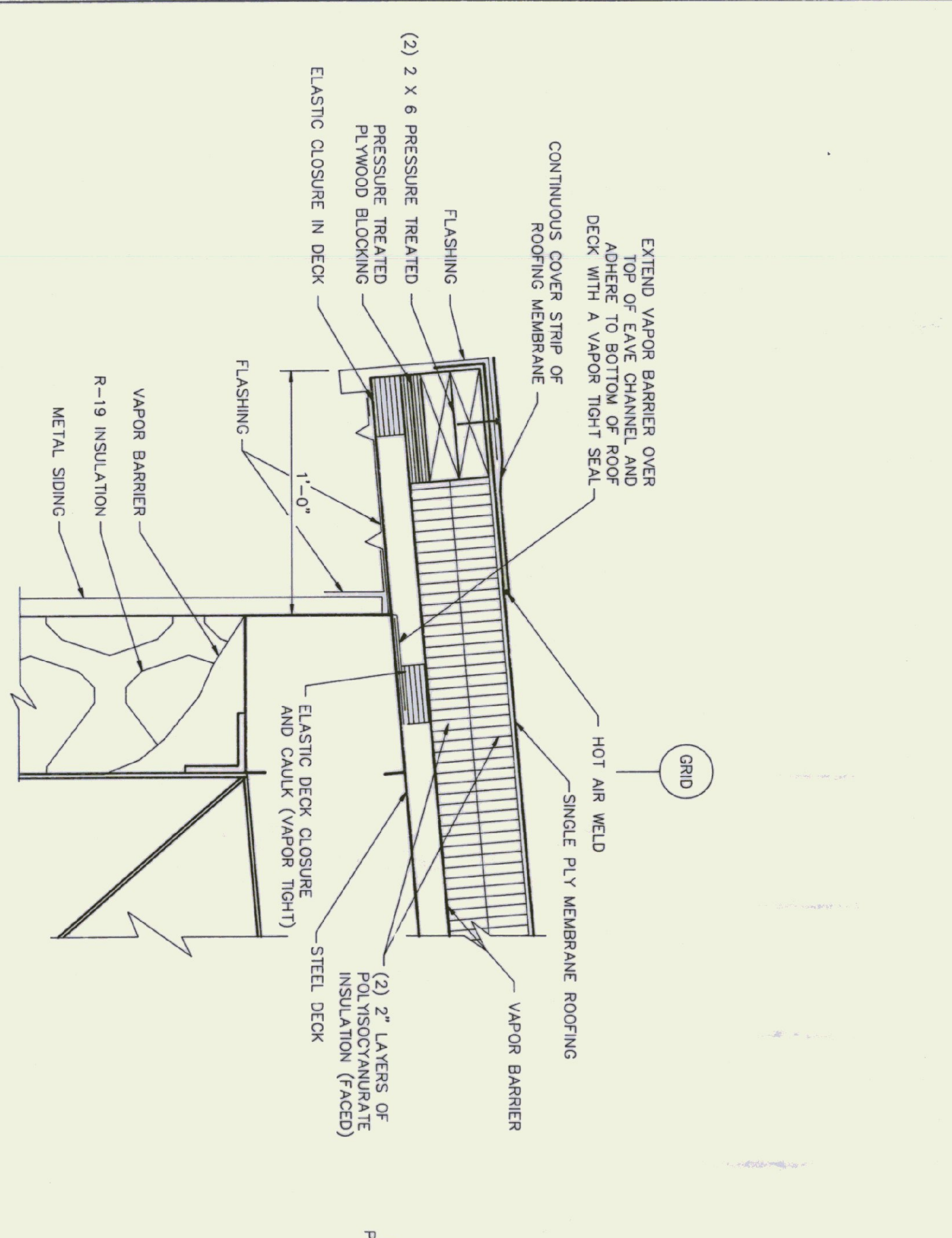
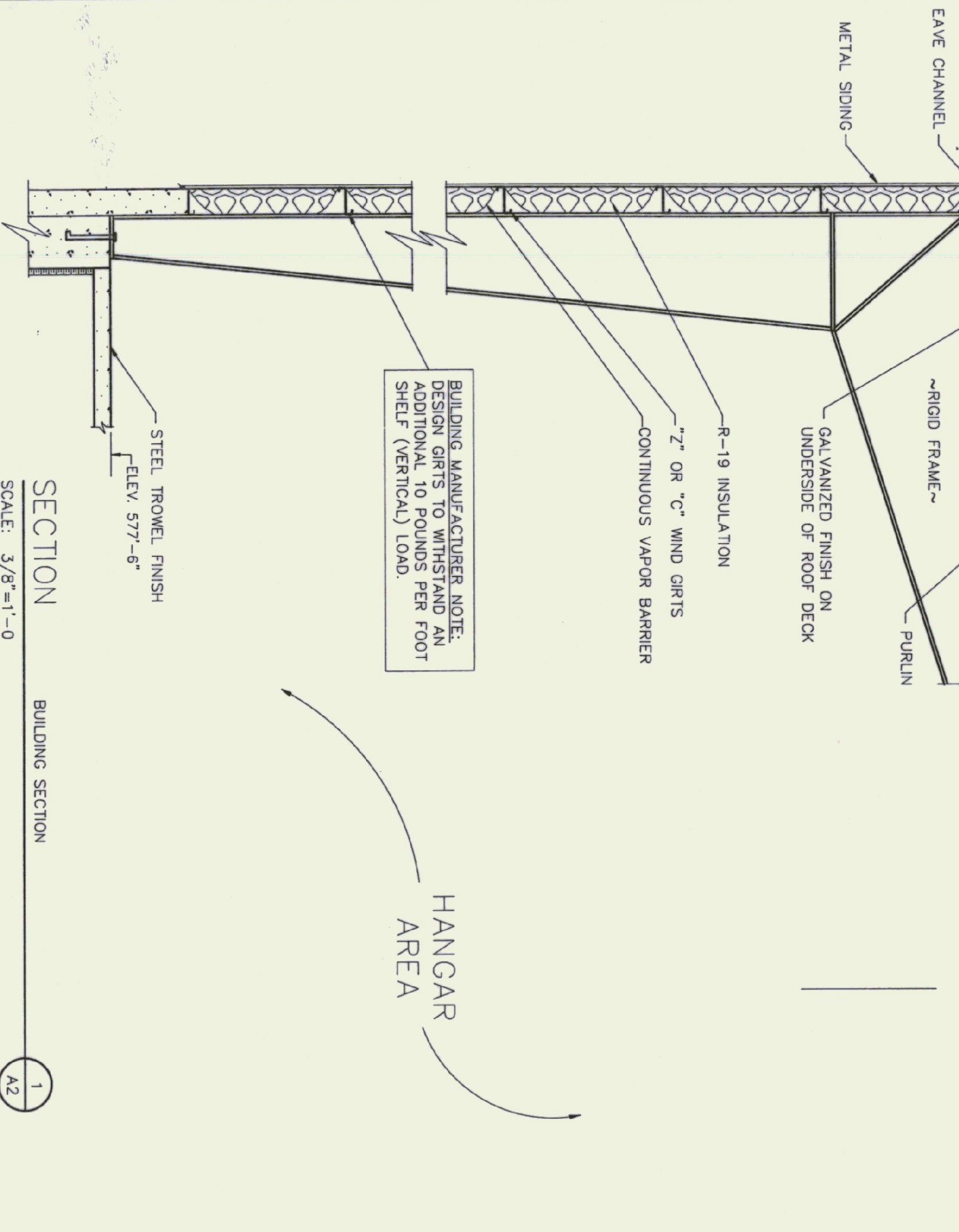
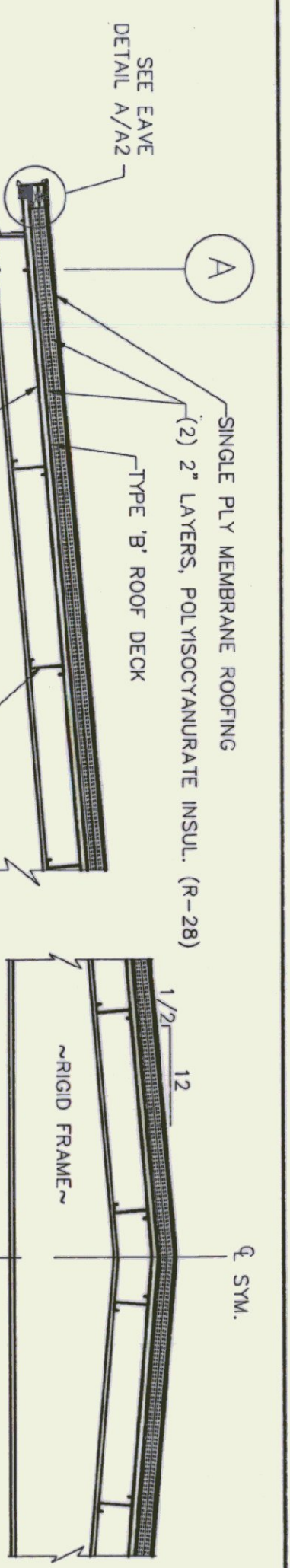
NORTH ELEVATION
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| Rev No | Date | Description | Made by | Checked by | App'd by |
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| NEW AIRPORT HANGAR #3 HARTNESS STATE AIRPORT SPRINGFIELD, VERMONT FLOOR PLANS & ELEVATIONS | | A1 |
| CHENEY ENGINEERING, INC. 50 STATE STREET MONTPELIER, VERMONT 05602 | | |

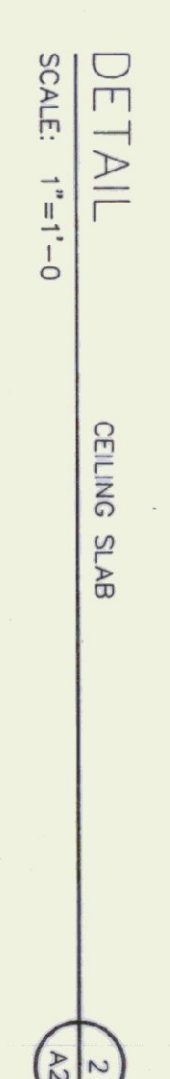
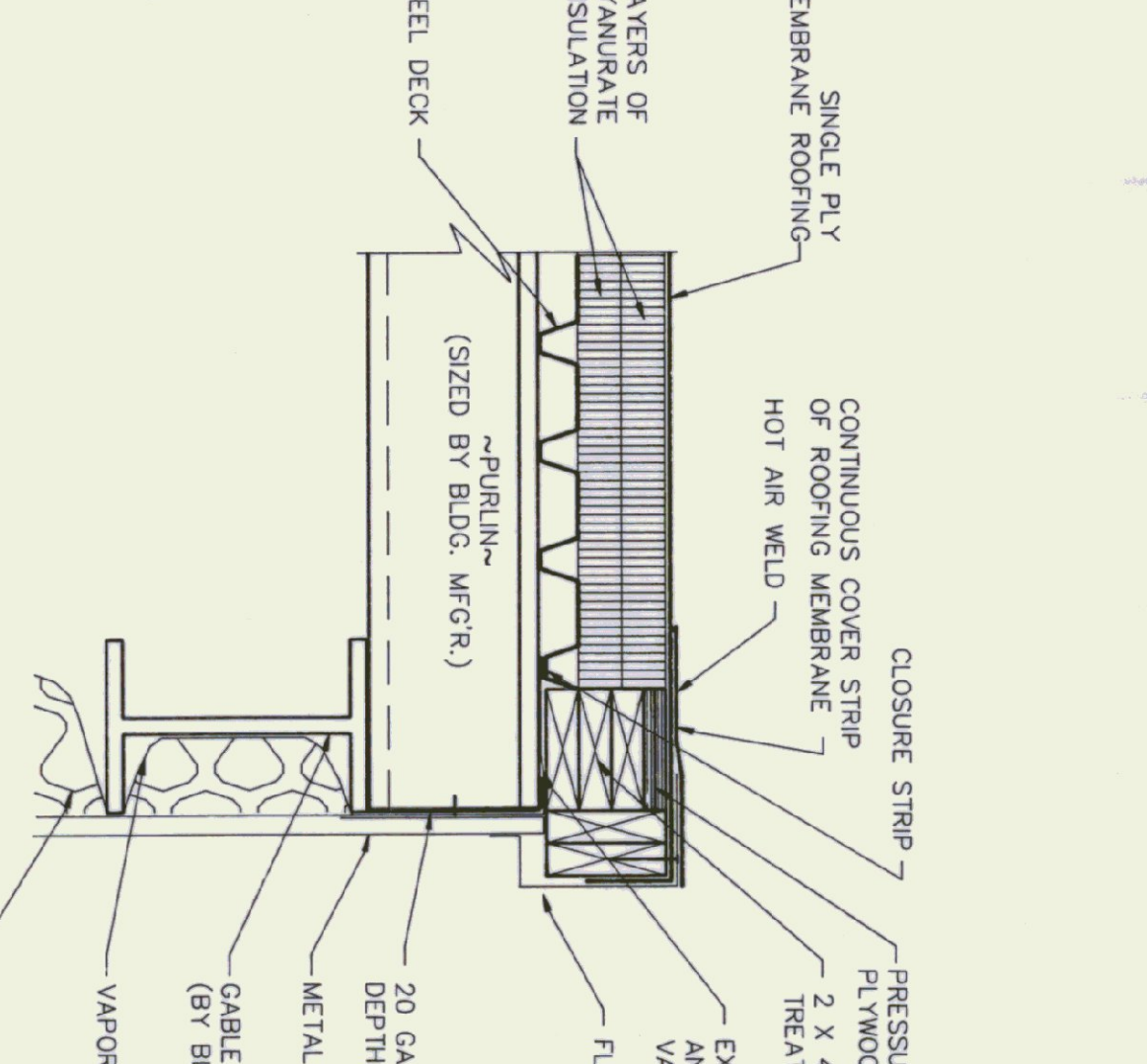
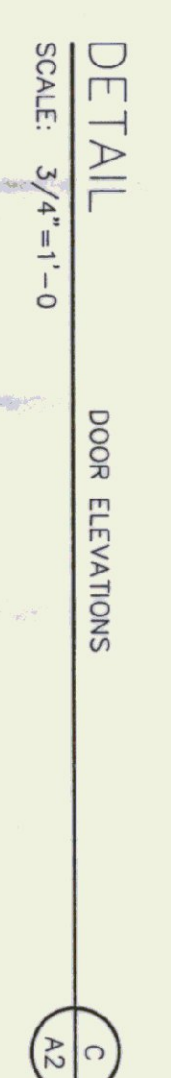
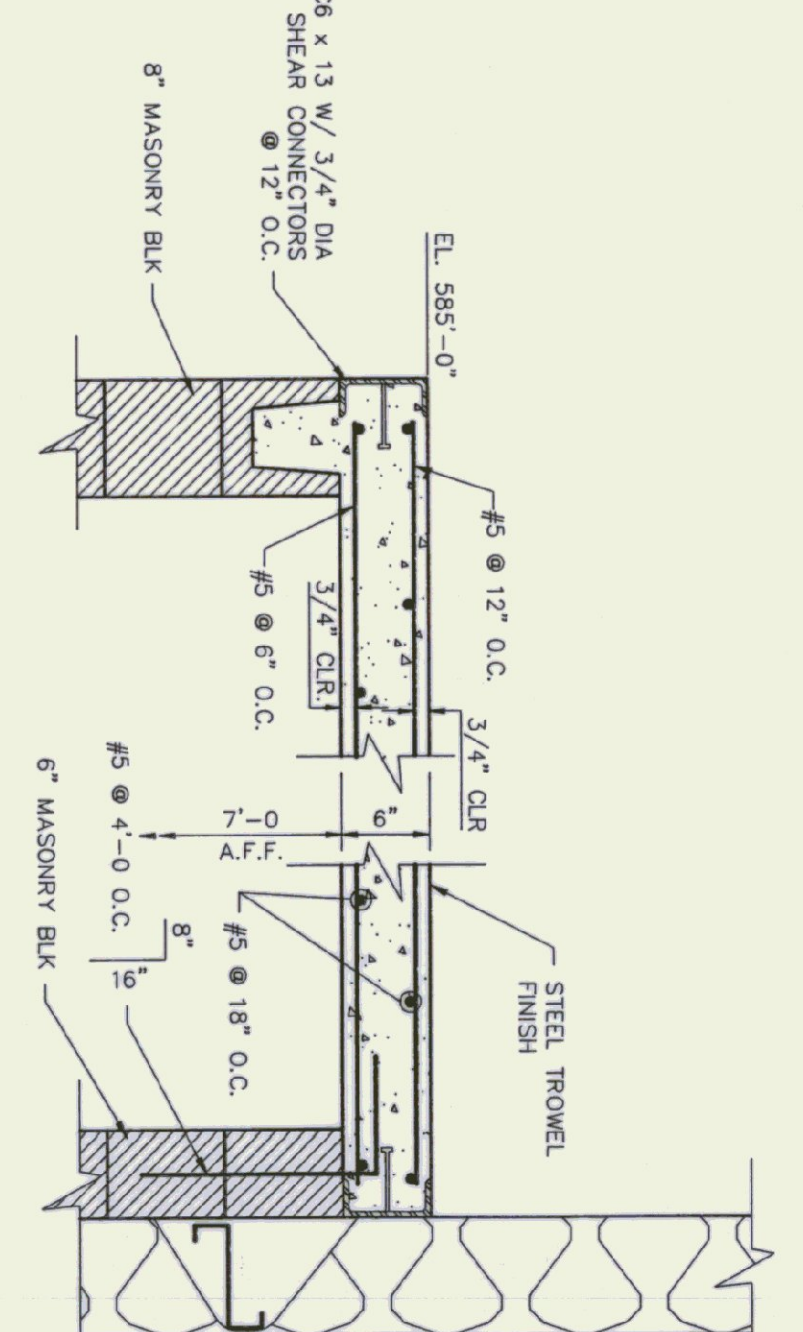
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|-----------------|--------------|
| Scale AS NOTED | Sheet 3 of 8 |
| Des. By MJC | Checked By |
| Drn. By JJS | App'd By |
| Chk. By MJC | |
| Date SEPT. 1994 | |
| Dwg 22-002-12 | |





| DOOR NUMBER | SIZE W x H | TYPE | FIRE RATING | DOOR MATERIAL | FRAME MATERIAL | GLAZING REQUIRE. | BUTTS | KICK PLATE | WEATHER STRIP | CLOSER | REMARKS |
|-------------|---------------------|------|-------------|---------------|----------------|---------------------------|--|----------------------------|---------------|------------------------------|--|
| 1 | 3'-0" X 7'-0" | I | C | METAL | METAL | 6" x 48" WIREGLASS SAFETY | 4-1/2" x 4-1/2" BALL BEARING, NON-REMOVABLE FINS | 3/4" x 10" STAINLESS STEEL | WINYL | SARGENT'S 1250 x P.A. x H.O. | THERMAL BREAK FRAME, THERMAL SWEEP |
| 2 | 2'-8" x 6'-8" | II | C | - | - | 20" x 32" SAFETY | 4-1/2" x 4-1/2" | - | - | SARGENT'S 1250 x H.O. | - |
| 3 | 3'-0" X 7'-0" | III | C | - | - | - | - | - | - | - | - |
| 4 | 3'-0" X 7'-0" | III | C | - | - | - | - | - | - | - | - |
| 5 | 10'-0" W x 12'-0" H | IV | C | INSUL. STEEL | STEEL CHANNEL | - | - | - | - | ELECTRIC | OVERHEAD DOOR SERIES 591 THERMADORE W/ ACRYLIC WINDOWS |

| WINDOW NUMBER | TYPE | FRAME MATERIAL | ROUGH OPENING | REMARKS |
|---------------|--------|----------------|----------------------------|---|
| 1 | AWNING | METAL | 3'-4-1/2" W 2'-0-1/2" H | ACORN BLDG COMPONENTS 4300 SERIES - 3420 C SAFETY GLAZING |
| 2 | FIXED | - | 4'-0" W 2'-5" H | - |



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

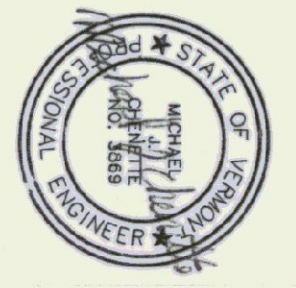
DETAIL AT RAKE
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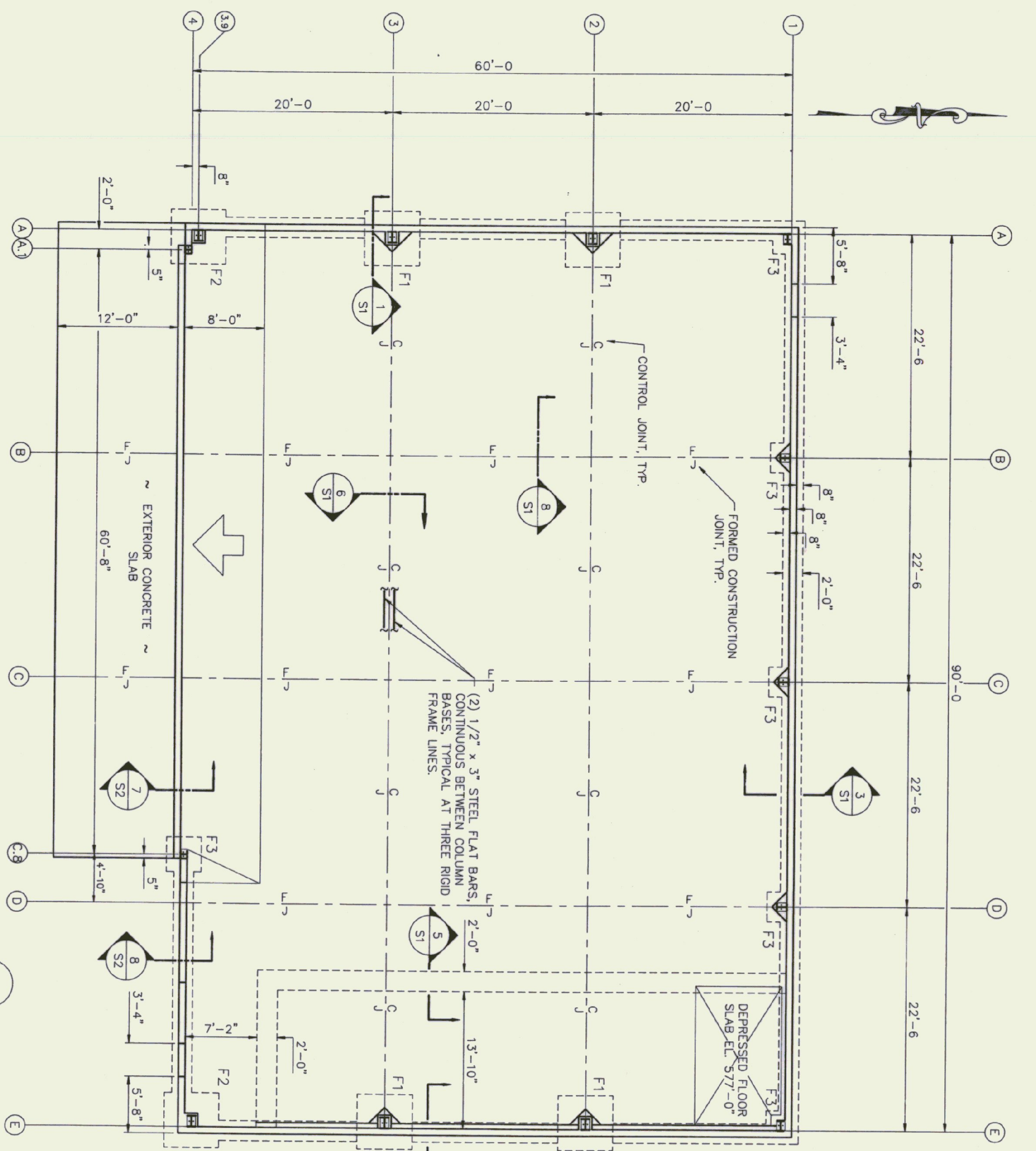
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

NEW AIRPORT HANGAR #3
HARTNESS STATE AIRPORT
SPRINGFIELD, VERMONT
SECTIONS AND DETAILS

Sheet 4 of 8
Scale AS NOTED
Des. By MJC
Dwn. By JLS
Chk. By MJC
Date SEPT 1984
Dwg 22-002-12

A2



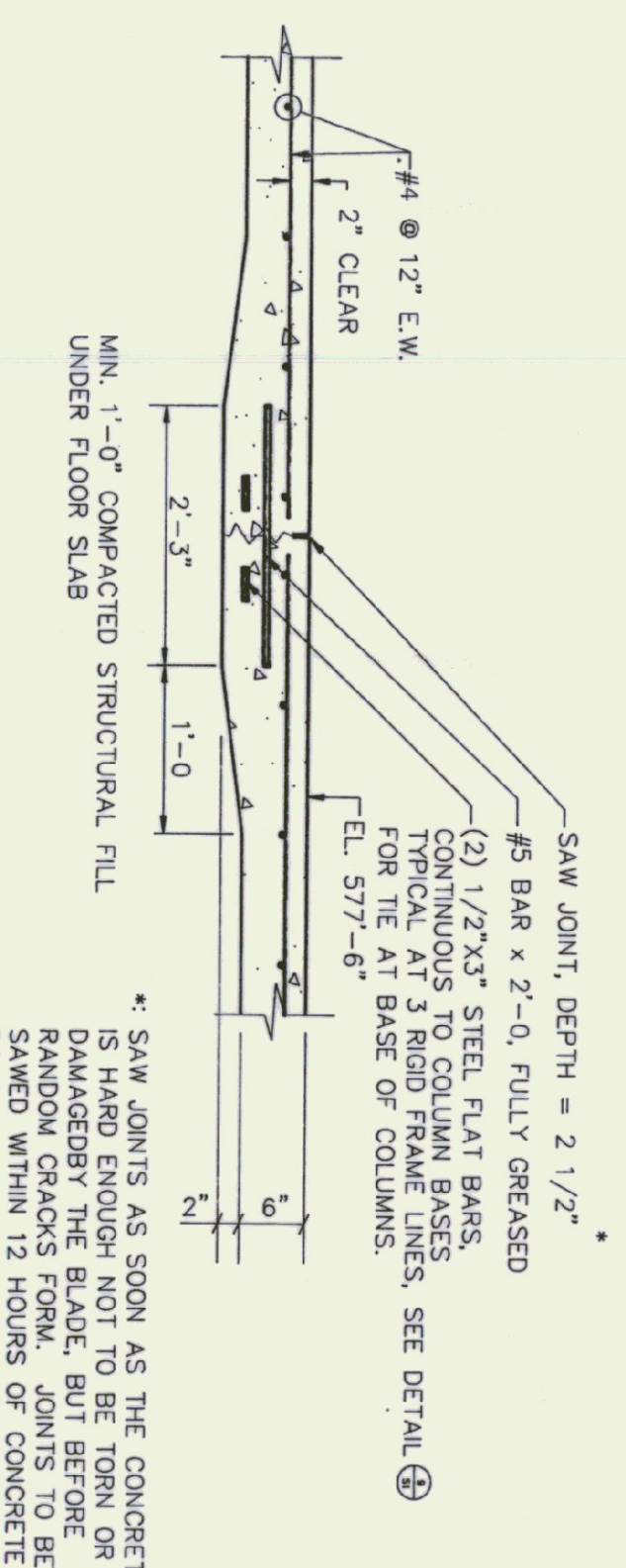


1. SLAB-ON-GRADE TO BE 6" THICK REINFORCED WITH #4 @ 12" E.W.
2. ELEVATION TOP OF FOOTING = 572'-6" UNLESS OTHERWISE NOTED.

| MARK | SIZE | FOOTING SCHEDULE | REMARKS |
|------|----------------------|---------------------------|--------------------|
| F1 | 5-6 x 5-6 x 1-3 DEEP | #5'S @ 12" O/C E.W. (B07) | |
| F2 | 4-6 x 4-6 x 1-0 DEEP | #5'S @ 12" O/C E.W. (B07) | |
| F3 | 3-6 x 3-6 x 1-0 DEEP | #5'S @ 12" O/C E.W. (B07) | END - WALL FOOTING |

FOUNDATION PLAN

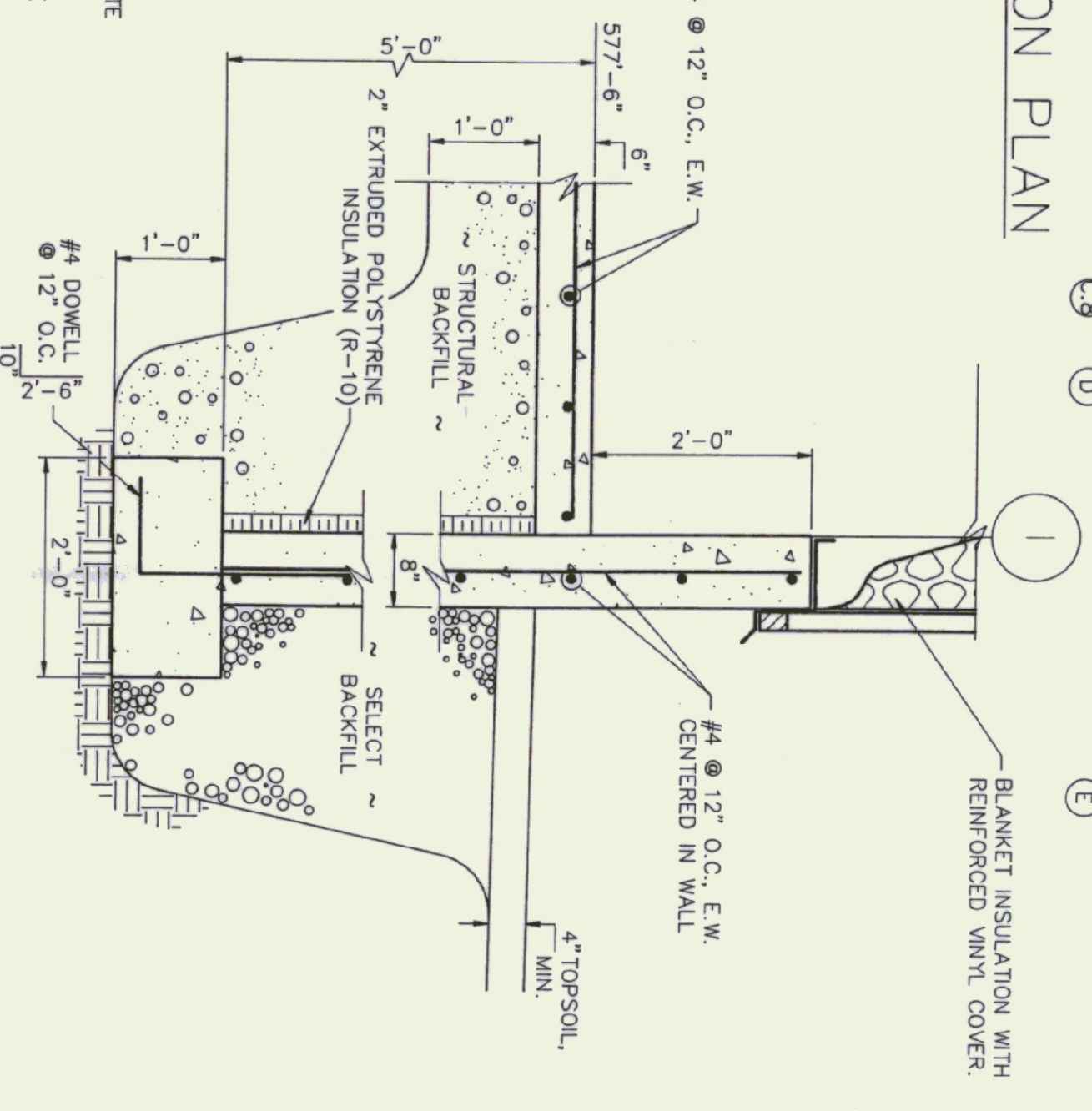
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SECTION

TYPICAL CONTROL JOINT AT RIGID FRAME LINES

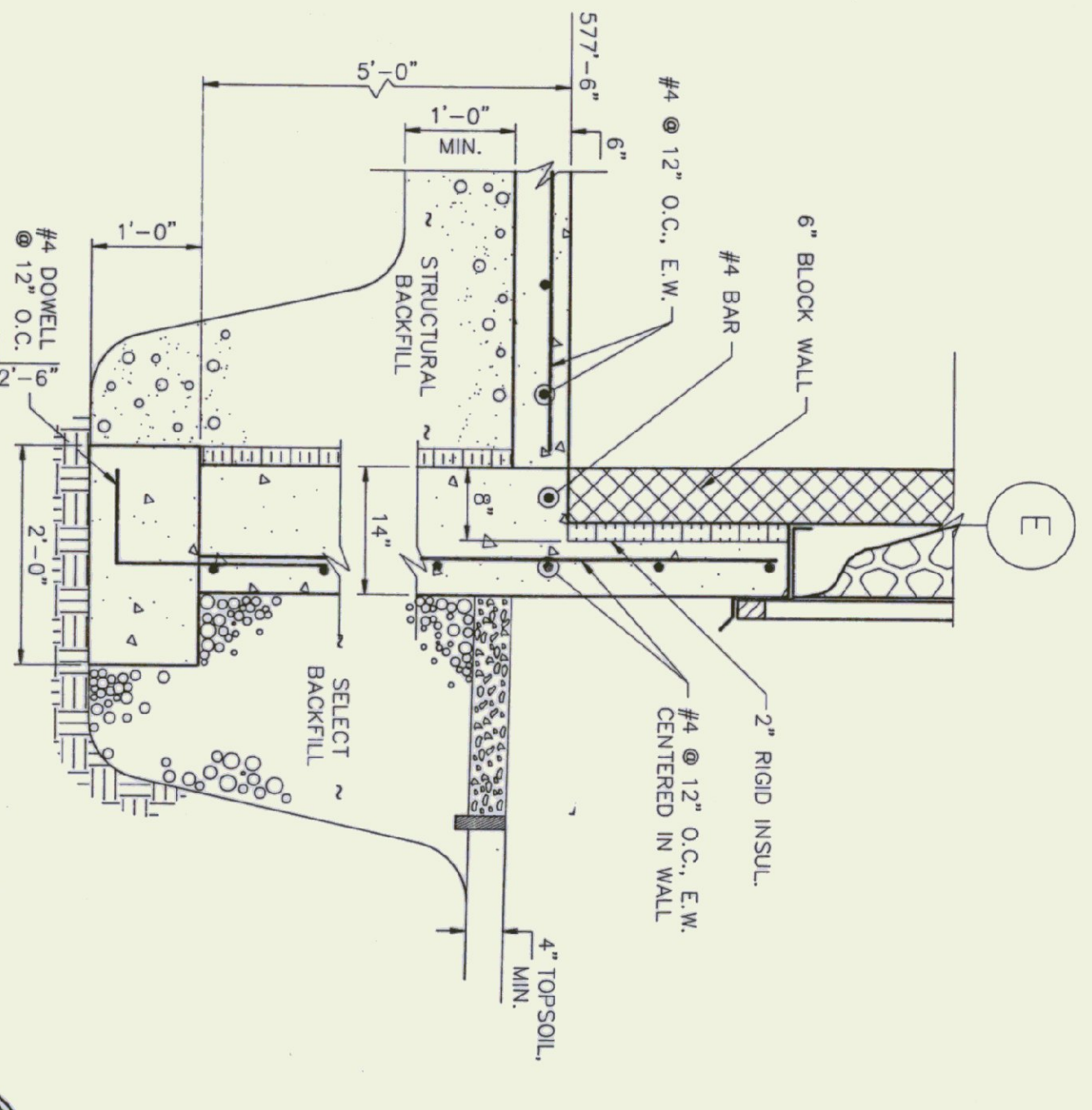
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SECTION

THROUGH FOUNDATION WALL

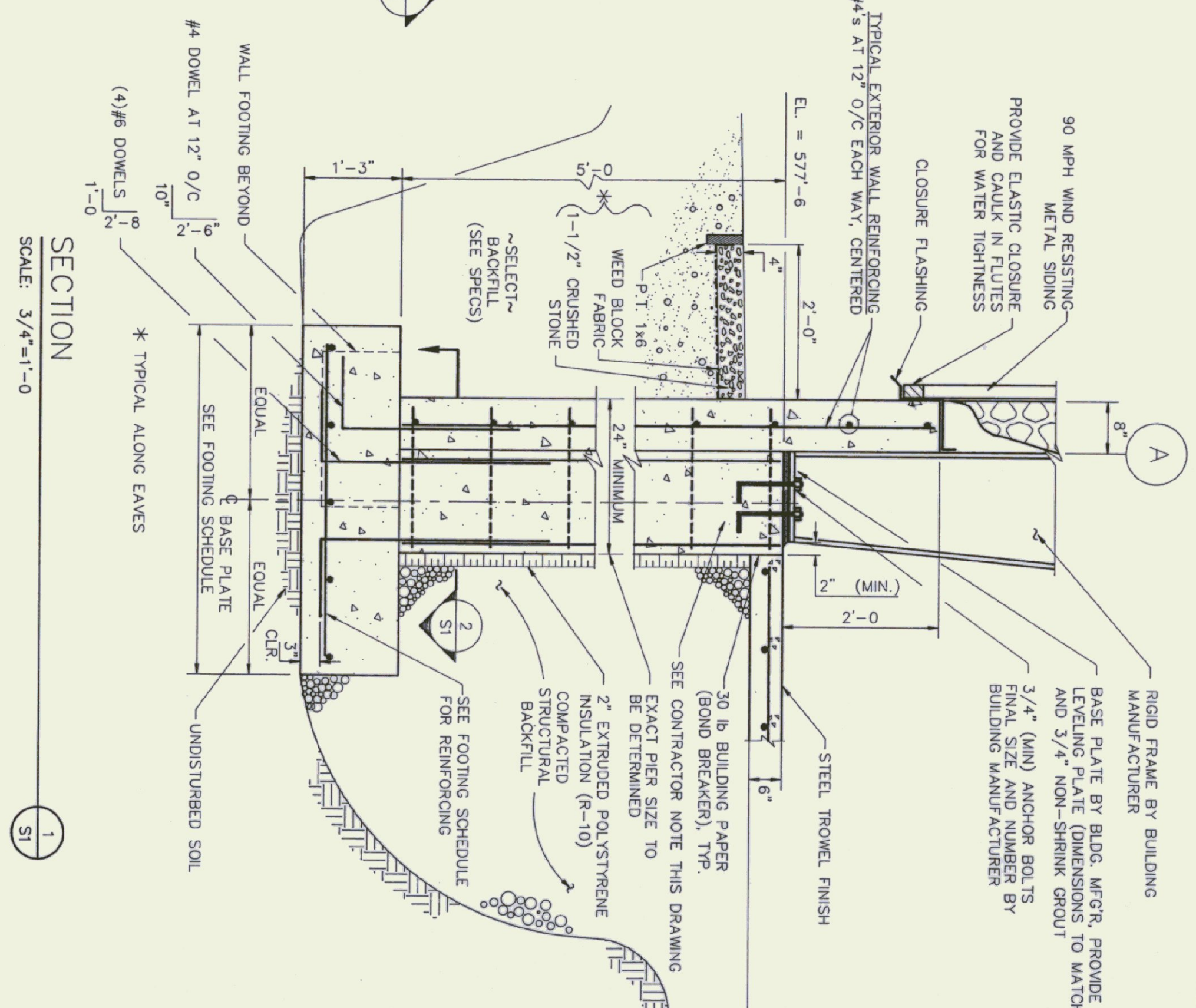
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SECTION

THROUGH THICKENED FOUNDATION WALL

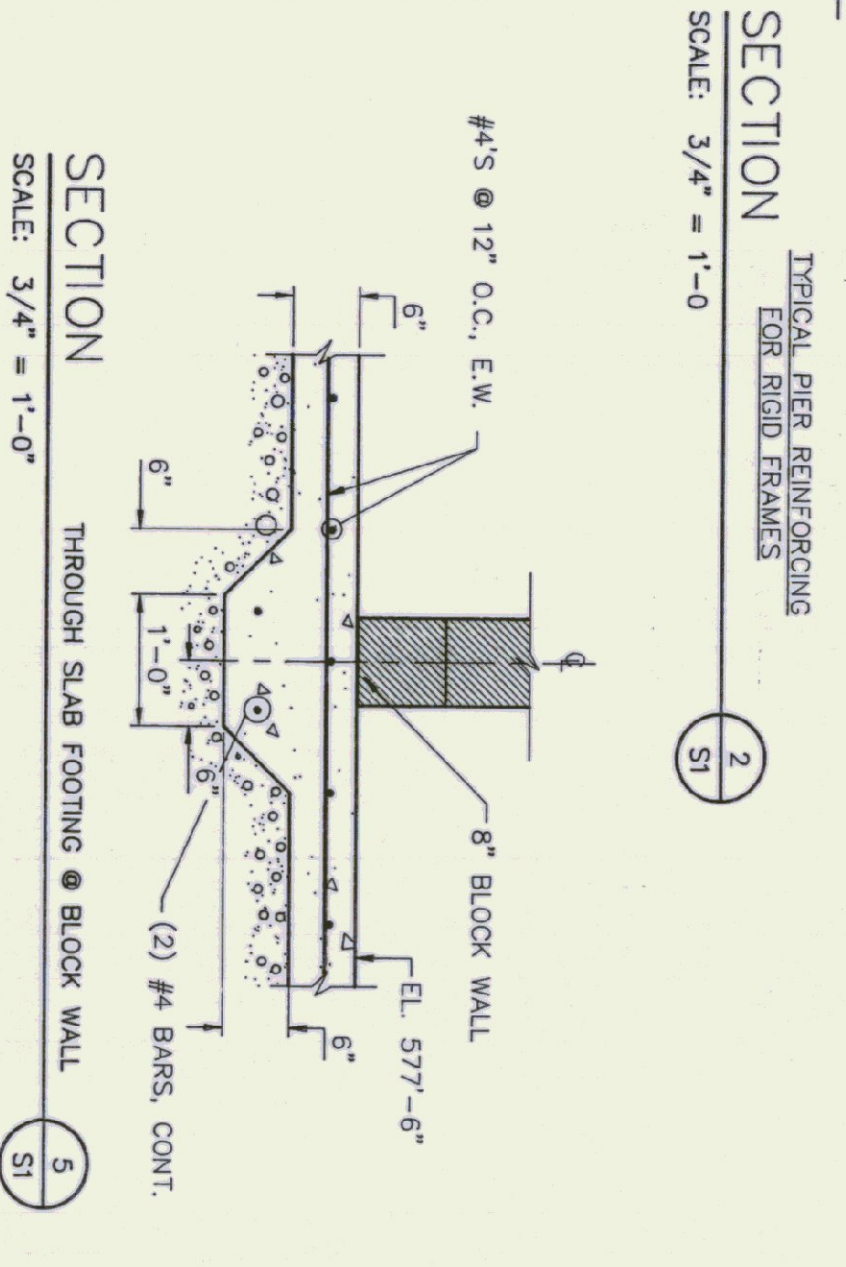
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SECTION

THROUGH PIER REINFORCING EDGE RIGID FRAMES

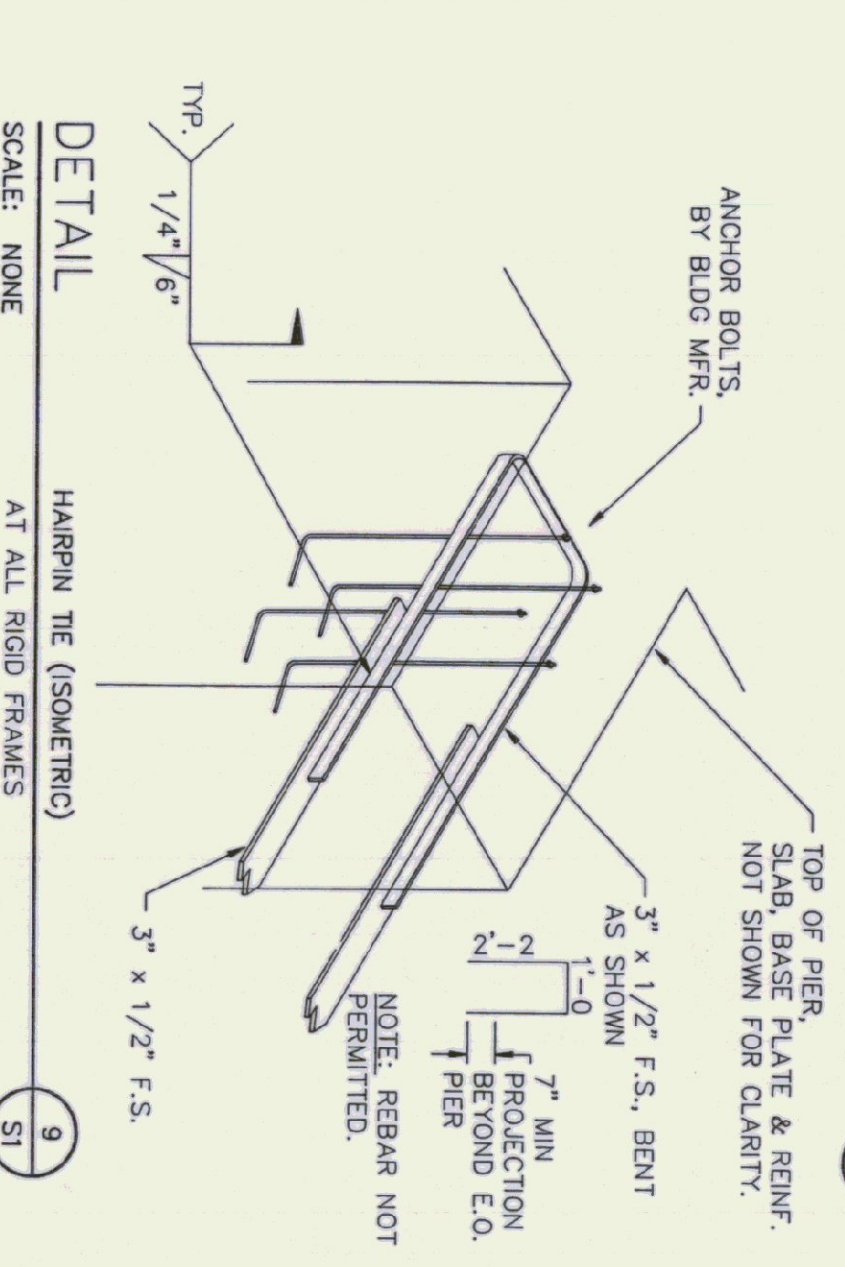
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SECTION

THROUGH SLAB FOOTING & BLOCK WALL

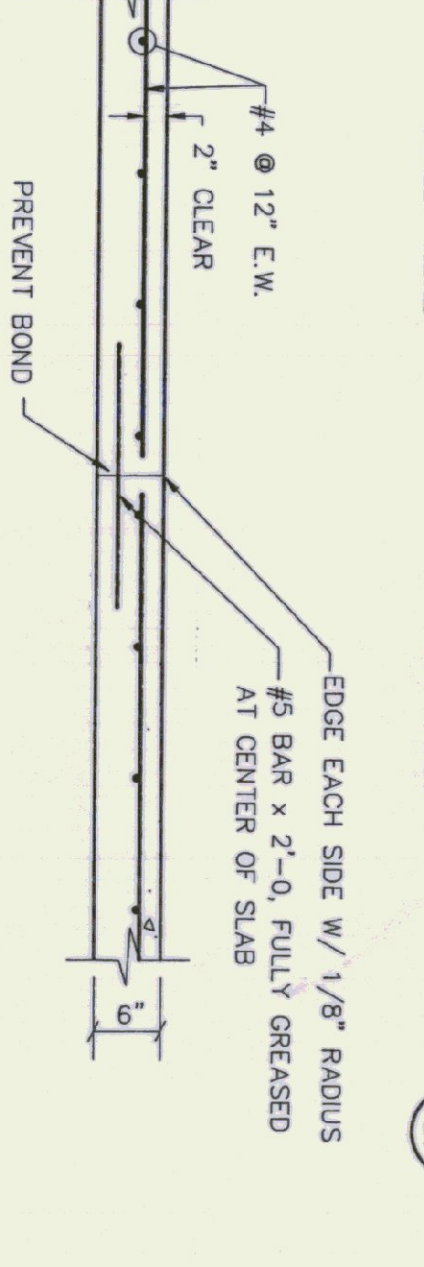
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DETAIL

HARPING TIE (ISOMETRIC) AT ALL RIGID FRAMES

SCALE: NONE

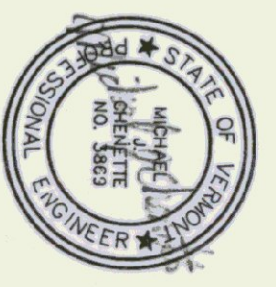


SECTION

FORMED CONSTRUCTION JOINT

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

CONTRACTOR NOTE:
THE FOUNDATION DESIGN SHOWN ASSUMES TYPICAL FOUNDATION LOADS FROM A METAL BUILDING OF THIS TYPE. ACTUAL PIER AND FOOTING SIZES MAY HAVE TO BE REVISED WHEN THE CONTRACTOR'S SUPERVISOR'S DESIGNER REALIZES THE CONTINGENCIES DUE TO BUILDING SUPPLIER AND CHANGES DUE TO ABSORB THESE POTENTIAL CHANGES.



| | | | | | |
|--------|------|-------------|---------|------------|----------|
| Rev No | Date | Description | Made By | Checked By | App'd By |
| | | | | | |

NEW AIRPORT HANGAR #3
HARTNESS STATE AIRPORT
SPRINGFIELD, VERMONT
FOUNDATION PLAN & DETAILS

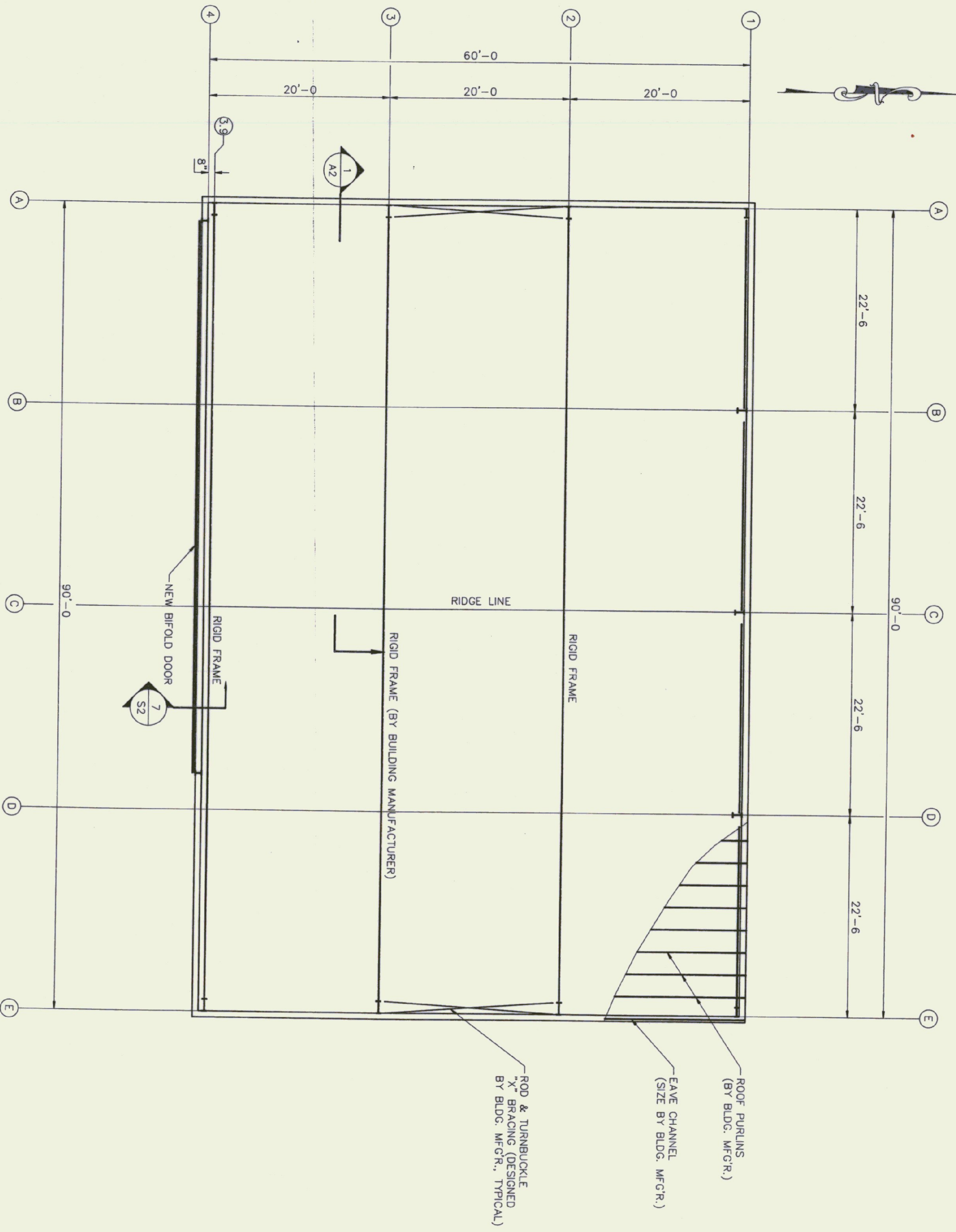
CHEMETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

Scale AS NOTED

Sheet 5 of 8

S1

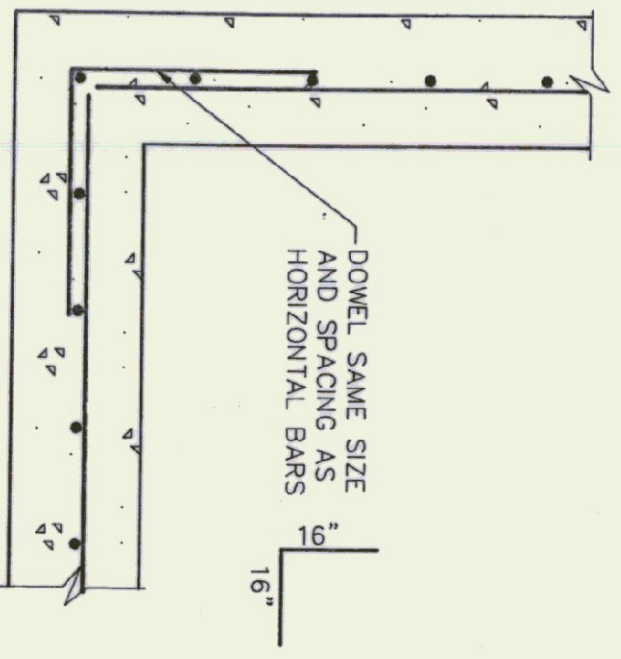
Des. By: MJC
Dwn. By: JMS
Chk. By: MJC
Date: SEPT 1994
Dwg: 22-002-12



ROOF FRAMING PLAN

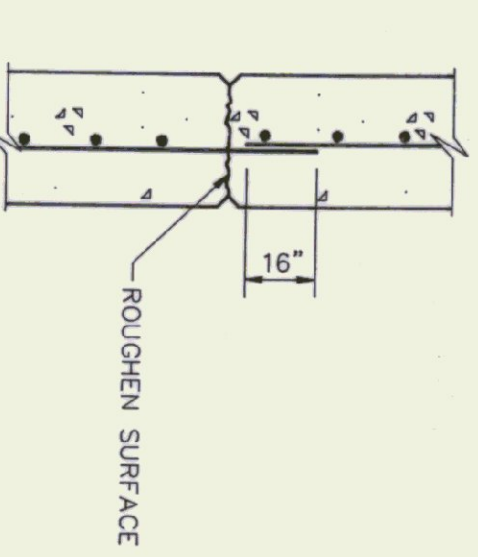
SCALE: 1/8"=1'-0"

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 MECHANICALLY ADHERED (SEE SPECS).



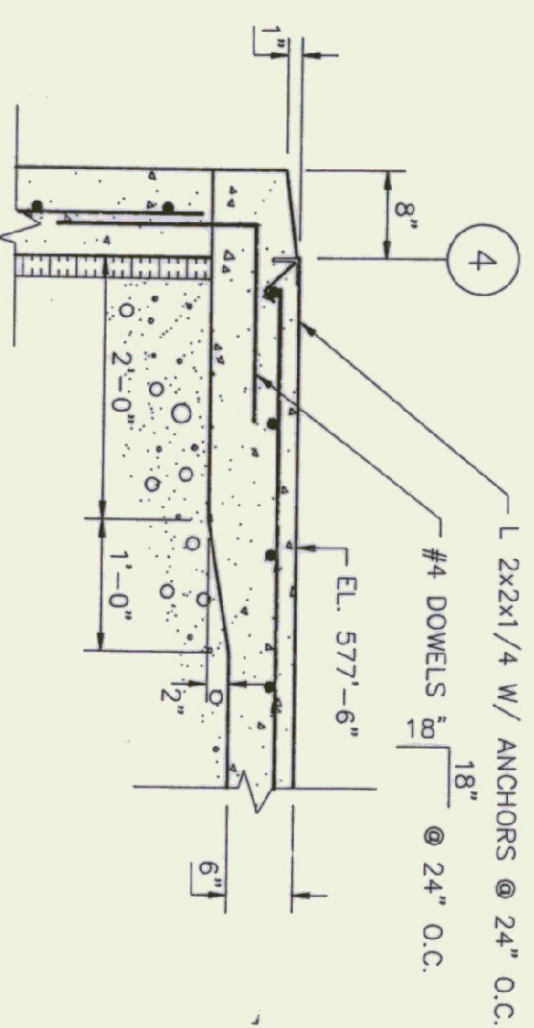
DETAIL

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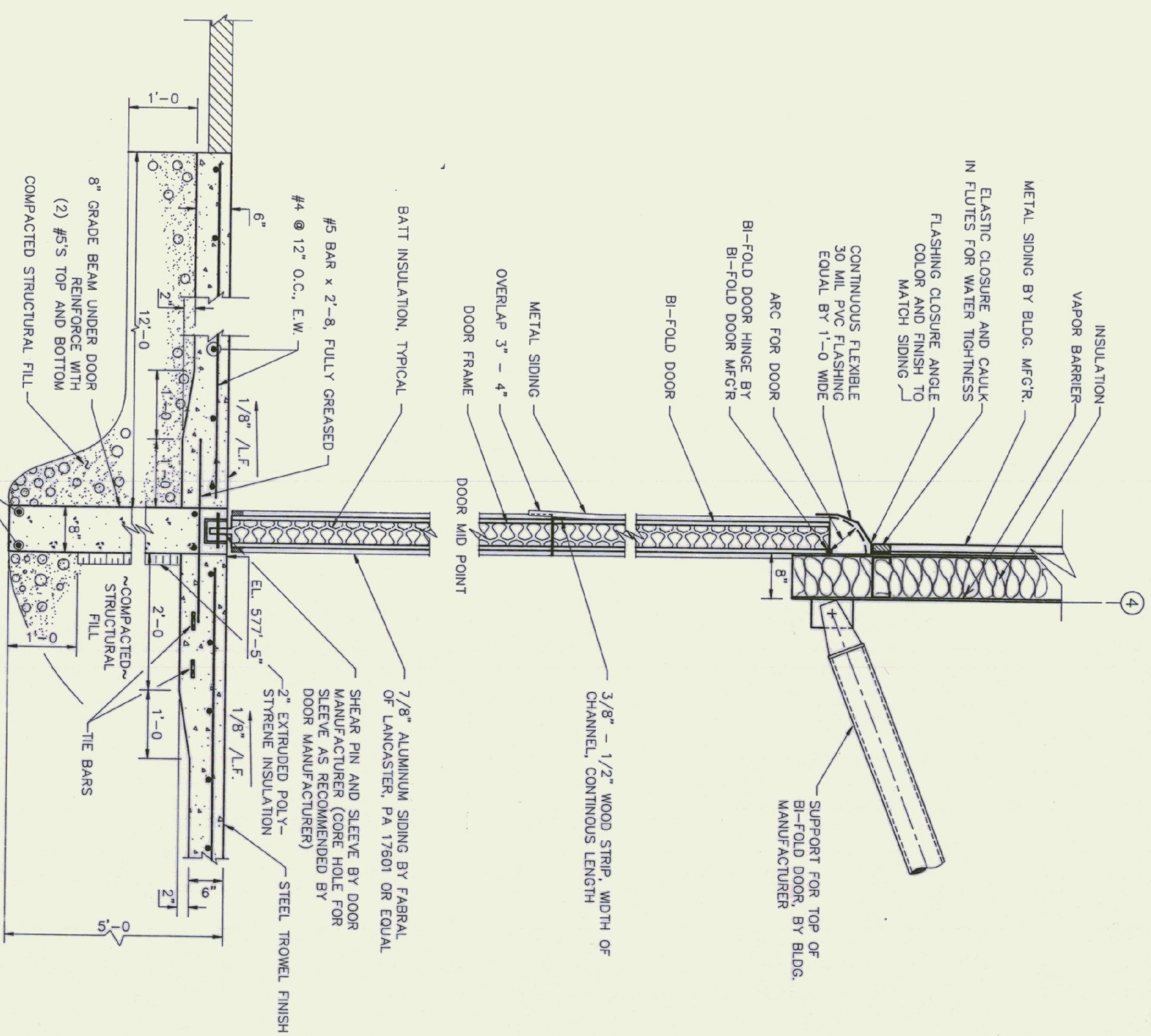
DETAIL

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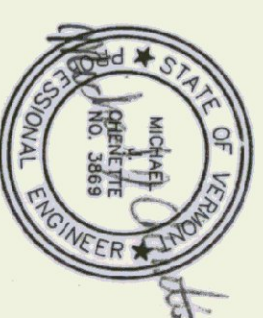
SECTION

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



SECTION

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



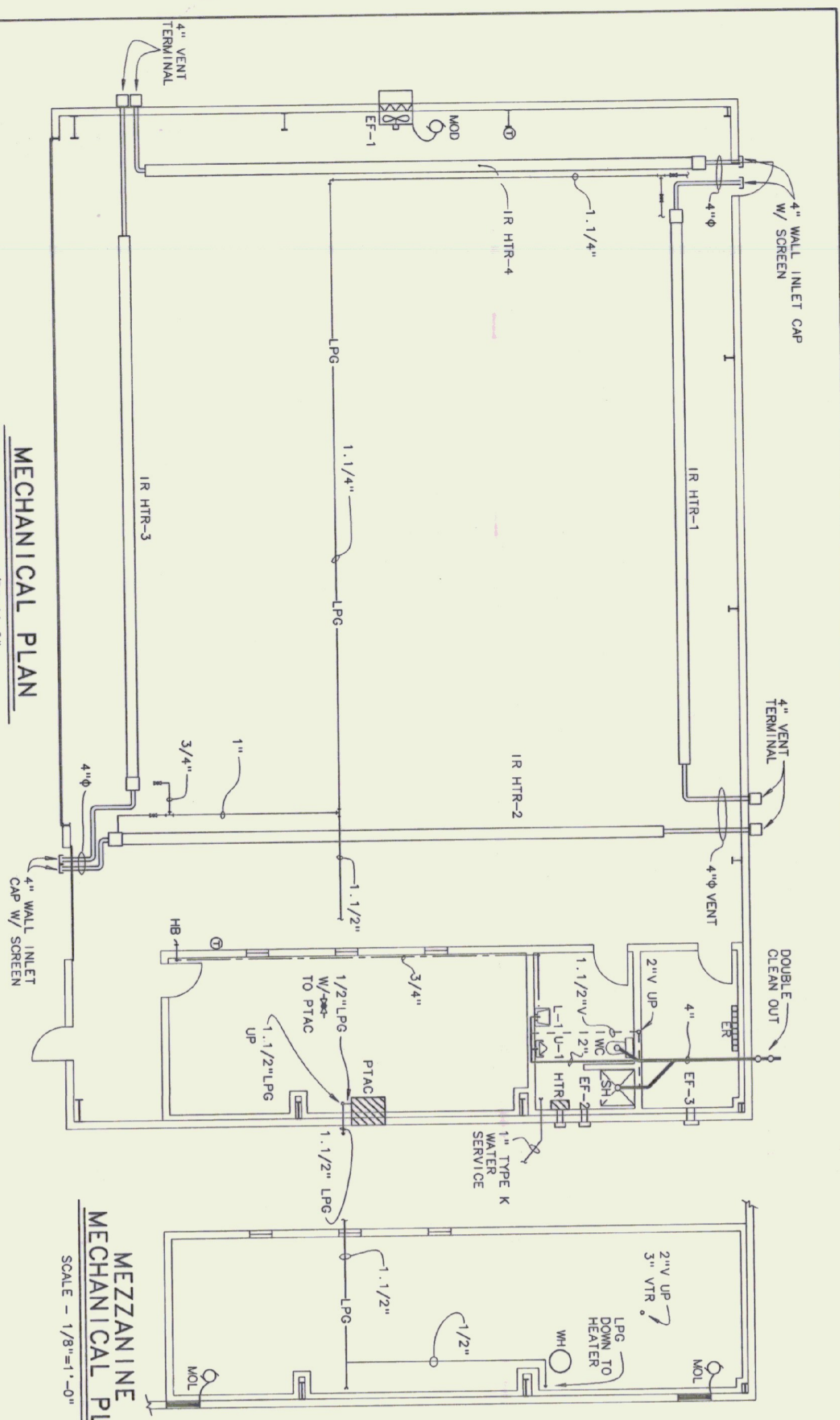
| Rev No | Date | Description | Made by | Checked by | App'd by |
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**NEW AIRPORT HANGAR #3
HARTNESS STATE AIRPORT
SPRINGFIELD, VERMONT
ROOF FRAMING SECTIONS & DETAILS**

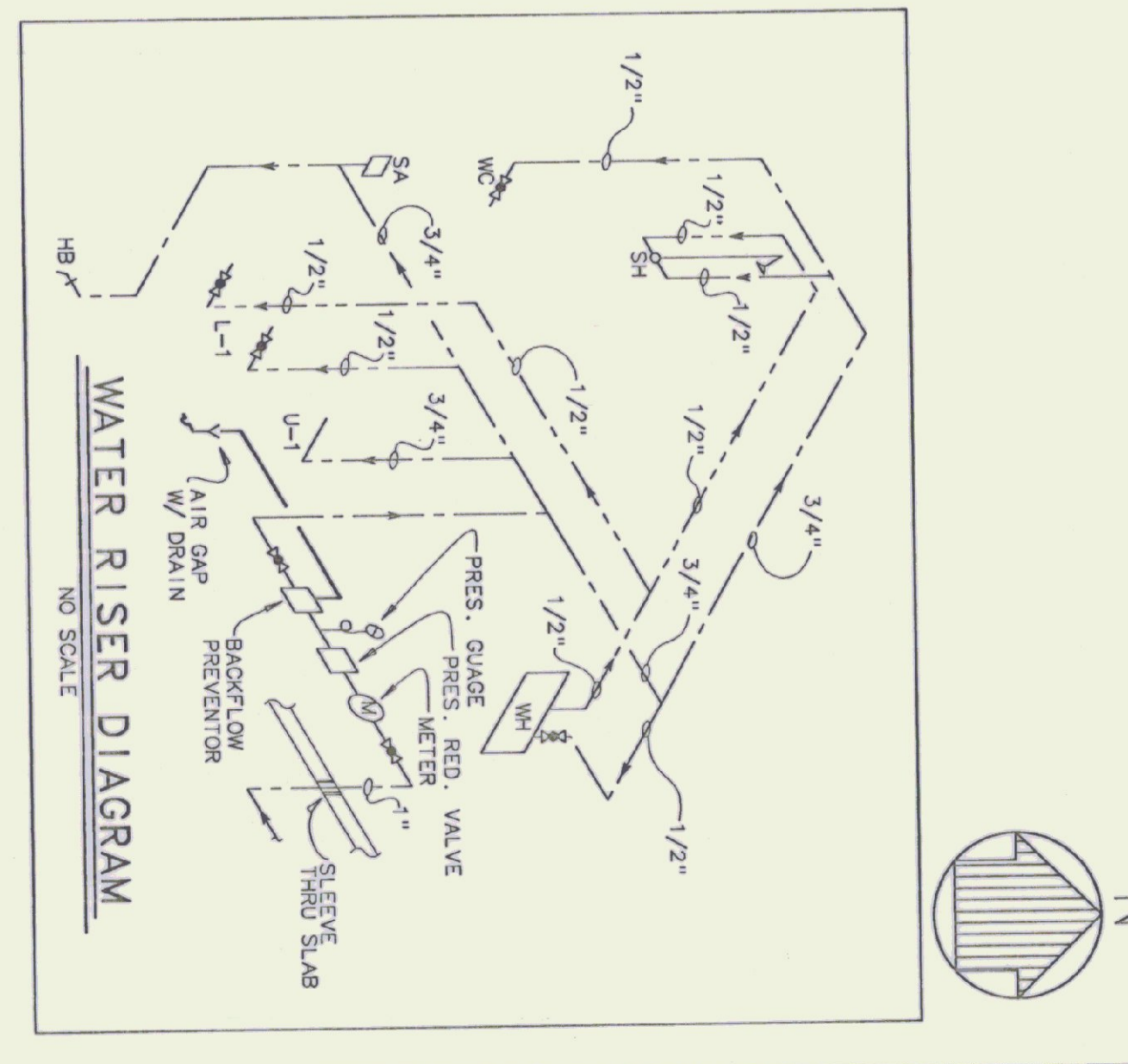
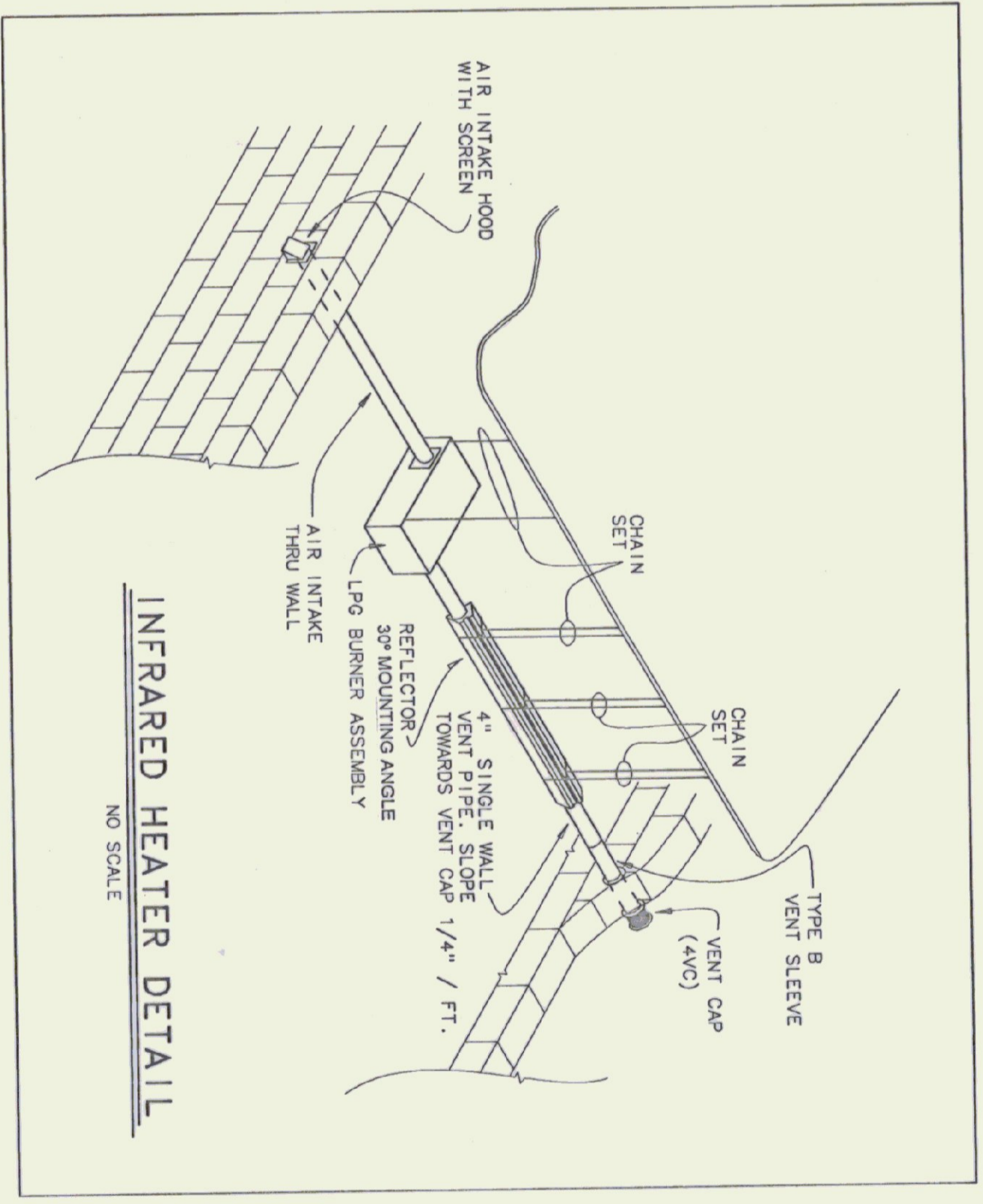
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

Scale AS NOTED
Des. By: MJC
Dwn. By: JJS
Chk. By: MJC
Date SEPT 1994
Dwg 22-002-12

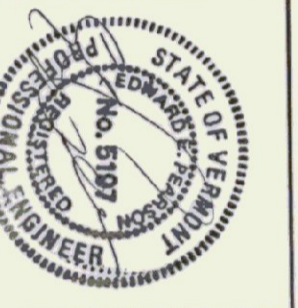
Sheet 6 of 8
S2



| KEY | DESCRIPTION |
|----------|--|
| EF-1 | EXHAUST FAN - SIDEWALL, BELT-DRIVEN, 10,043 CFM, 125\"/> |
| EF-2 | EXHAUST FAN - 180 CFM, 5.0 SONES, 120 VAC, 1.5 AMPS, WITH BACKDRAFT DAMPER, BROAN MODEL 509 |
| IR HTR-1 | INFRARED RADIANT HEATER, LP GAS FIRED STRAIGHT TUBE HEATER WITH OVERBALL LENGTH OF 50\"/> |
| IR HTR-2 | ACCESSORIES: DIRECT SWITCH THERMOSTAT TD-128, 4\"/> |
| IR HTR-3 | ACCESSORIES: DIRECT SWITCH THERMOSTAT TD-128, 4\"/> |
| IR HTR-4 | CAP WITH BIRD SCREEN, 5\"/> |
| HTR | VENTED THROUGH THE WALL GAS HEATER, 12,000 BTUH INPUT LP GAS, PERFECTION MODEL ASV12RTL |
| MOL | COMBINATION MOTOR OPERATED LOWER / DAMPER, 60\"/> |
| PTAC | PACKAGED TERMINAL AIR CONDITIONER WITH LP GAS HEAT, 12,000 BTUH COOLING, 20,000 BTUH LP GAS INPUT, 230 VOLTS, SINGLE PHASE, SUBURBAN MFG CO. MODEL DL2-1220 LP GAS |



| ITEM | MANUFACTURE & MODEL | TRIM & ACCESSORIES | CONNECTION SIZES | | | | REMARKS |
|------|---|--|------------------|--------|------|------|---------|
| | | | WASTE | VENT | CW | HW | |
| H8 | WOODFORD 24P-34 | VACUUM BREAKER | | | 3/4" | | |
| L-1 | AMERICAN STANDARD TEGALV LAVORIO CAT NO. 488012 4" | MOEN SAINSTREAM FAUCET W GRID DRAIN CAT NO. 8425 SUPPLES WITH STOP | 1 1/4" | 1 1/2" | 1/2" | 1/2" | WHITE |
| SA | SHOCK ABSORBER | MADE IN US | | | 3/4" | | |
| SH | SHOWER STALL SWIM SHOWER | MOEN SAINSTREAM PRESSURE BALANCED VALVE 8375 WITH VANDAL RESISTANT HEAD, ARI, FLANGE 2\"/> | | | | | |
| U-1 | URINAL, AMERICAN STANDARD TRANSPOD, 651, 917 | RUSH VALVE SLOW MOEN W-400 CARRIER W/VALVE SUPPORT | 2" | 1 1/2" | 3/4" | | |
| WC | TOILET, AMERICAN STANDARD NEW CADET, ELONGATED 2812, 053 | SEAT - OSONITE #65 OPEN FRONT LESS COVER | 4" | 2" | 3/4" | | |
| WH | WATER HEATER, 12 GALLON, BRUICORD-WHITE, MODEL MA-1201SS, 1500 WATT, 120 VOLT | NONJOURING PIN, BELIEF VALVE | | | | | |



Pearson & Associates
MECHANICAL & ELECTRICAL ENGINEERS
P. O. BOX 610 STOWE, VERMONT 05672
TEL. (802) 253-9607 FAX. (802) 253-9290

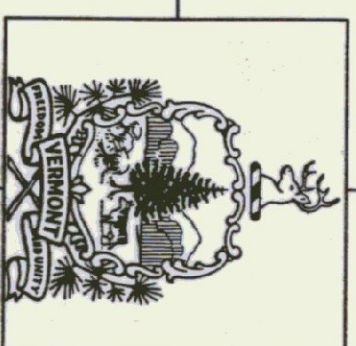
Chenette Engineering, Inc.
50 STATE STREET
MONTPELIER, VERMONT 05602

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
VERMONT

MONTPELIER
NEW AIRPORT HANGER #3
HARTNESS STATE AIRPORT
Springfield, Vermont
MECHANICAL PLANS AND DETAILS

DATE: _____ SCALE: AS SHOWN
DRAWN BY: B.W.M. APPROVED BY: _____
REVISIONS: CAD FILE: PS-HA-M1
SHEET: _____ OF _____ DWG NO. M-1

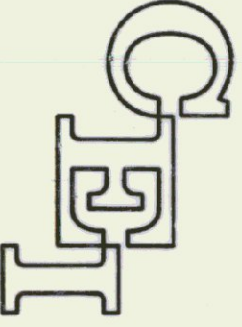
STATE OF VERMONT
AGENCY OF TRANSPORTATION
PATRICK J. GARAHAN, SECRETARY

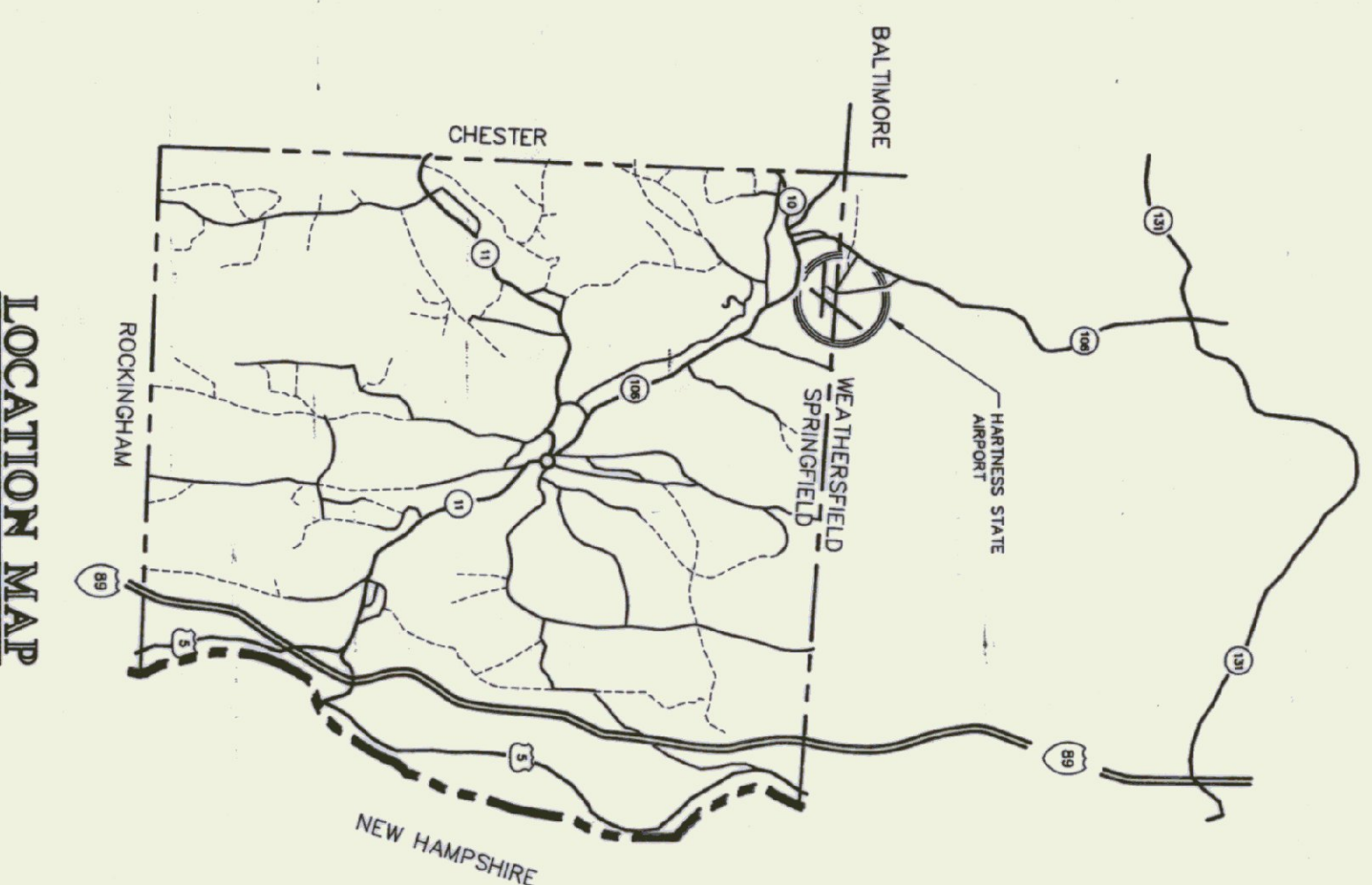


STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
JOHN J. ZAMPIERI, COMMISSIONER

NEW AIRPORT HANGAR HARTNESS STATE AIRPORT SPRINGFIELD, VERMONT

PROJECT NO. AIR 04 - 3108
GOVERNOR HOWARD DEAN, M.D.

CIVIL/STRUCTURAL ENGINEERS

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



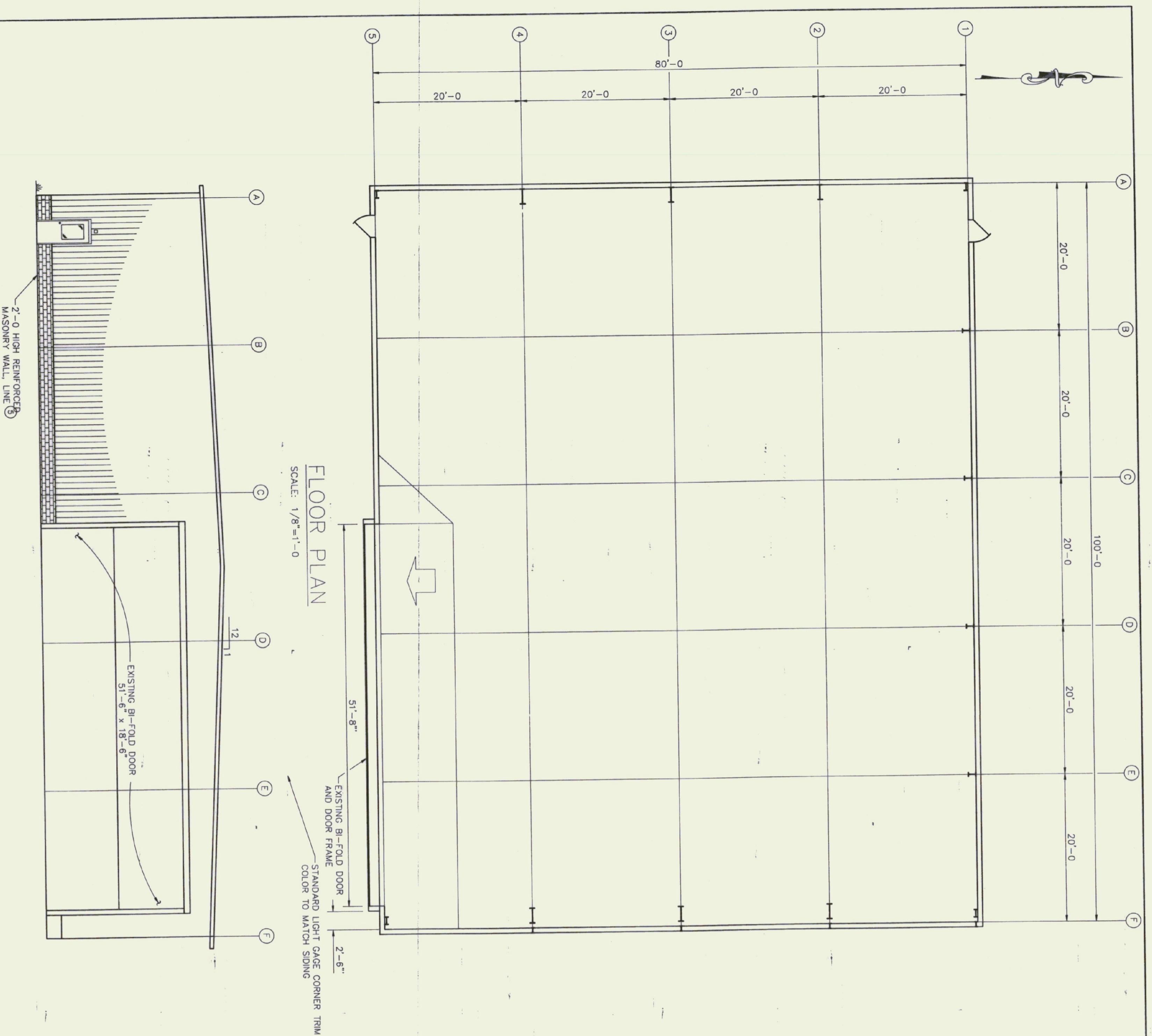
LOCATION MAP



INDEX

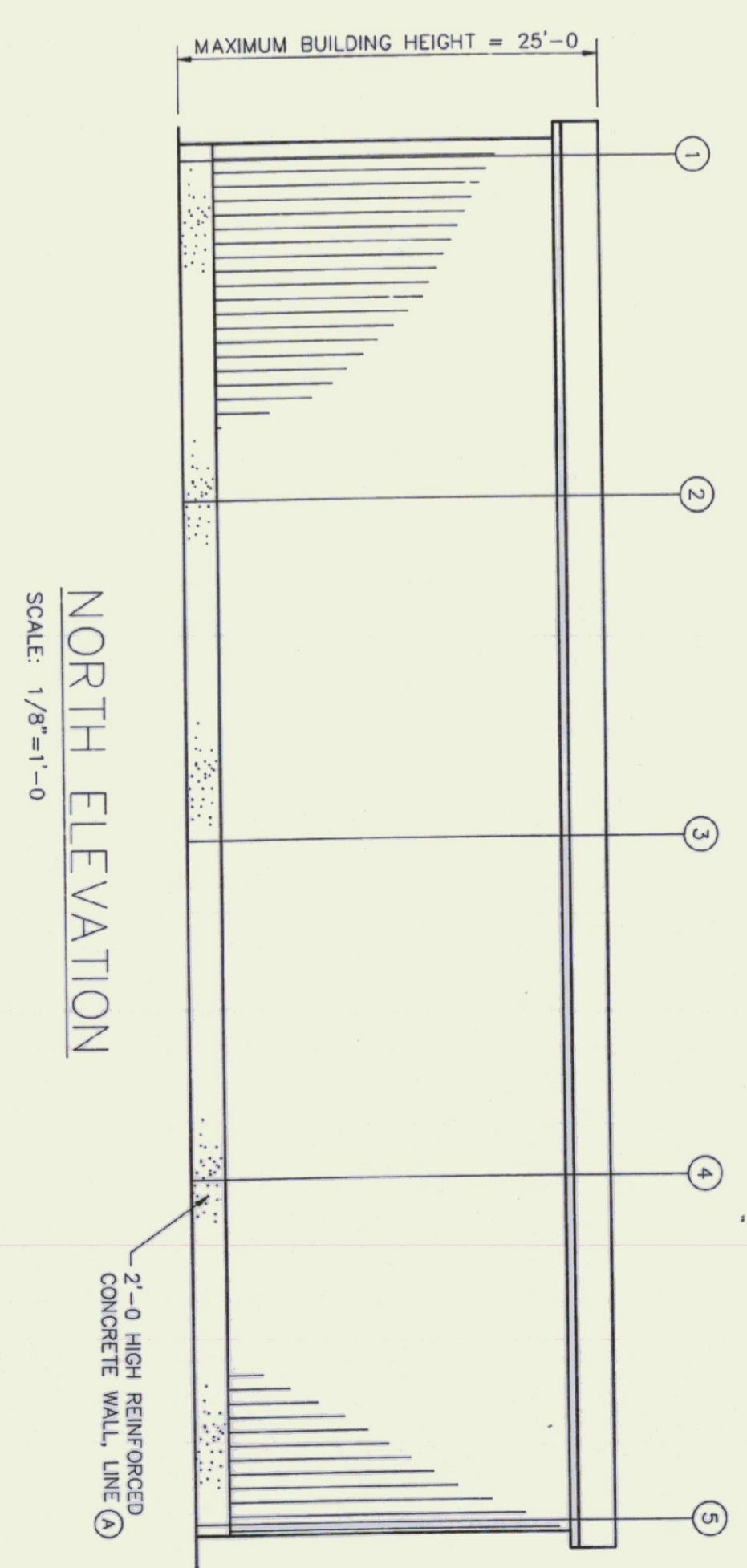
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|----|------------------------------|
| C1 | SITE PLAN |
| C2 | MISCELLANEOUS DETAILS |
| A1 | FLOOR PLANS & ELEVATIONS |
| A2 | SECTIONS & DETAILS |
| S1 | FOUNDATION PLAN & DETAILS |
| S2 | ROOF FRAMING PLAN & DETAILS |
| E1 | ELECTRICAL PLANS AND DETAILS |
| M1 | MECHANICAL PLANS AND DETAILS |

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

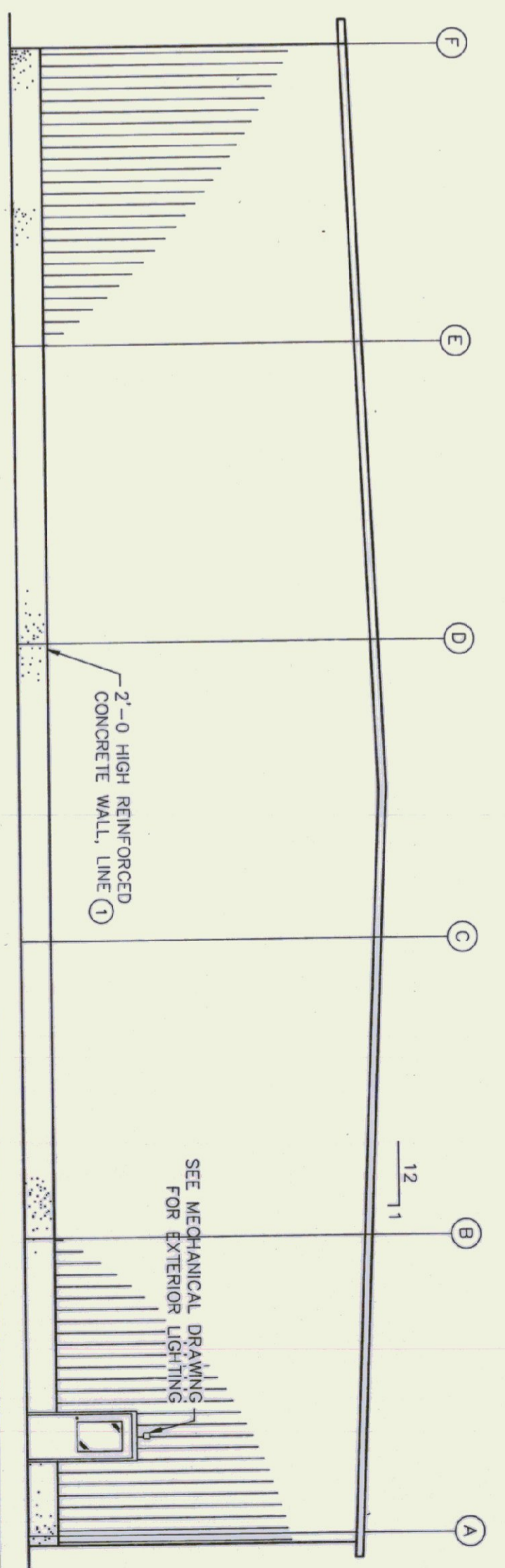


WEST ELEVATION
SCALE: 1/8"=1'-0"

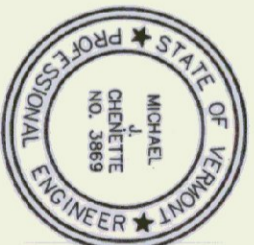
FLOOR PLAN
SCALE: 1/8"=1'-0"



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



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

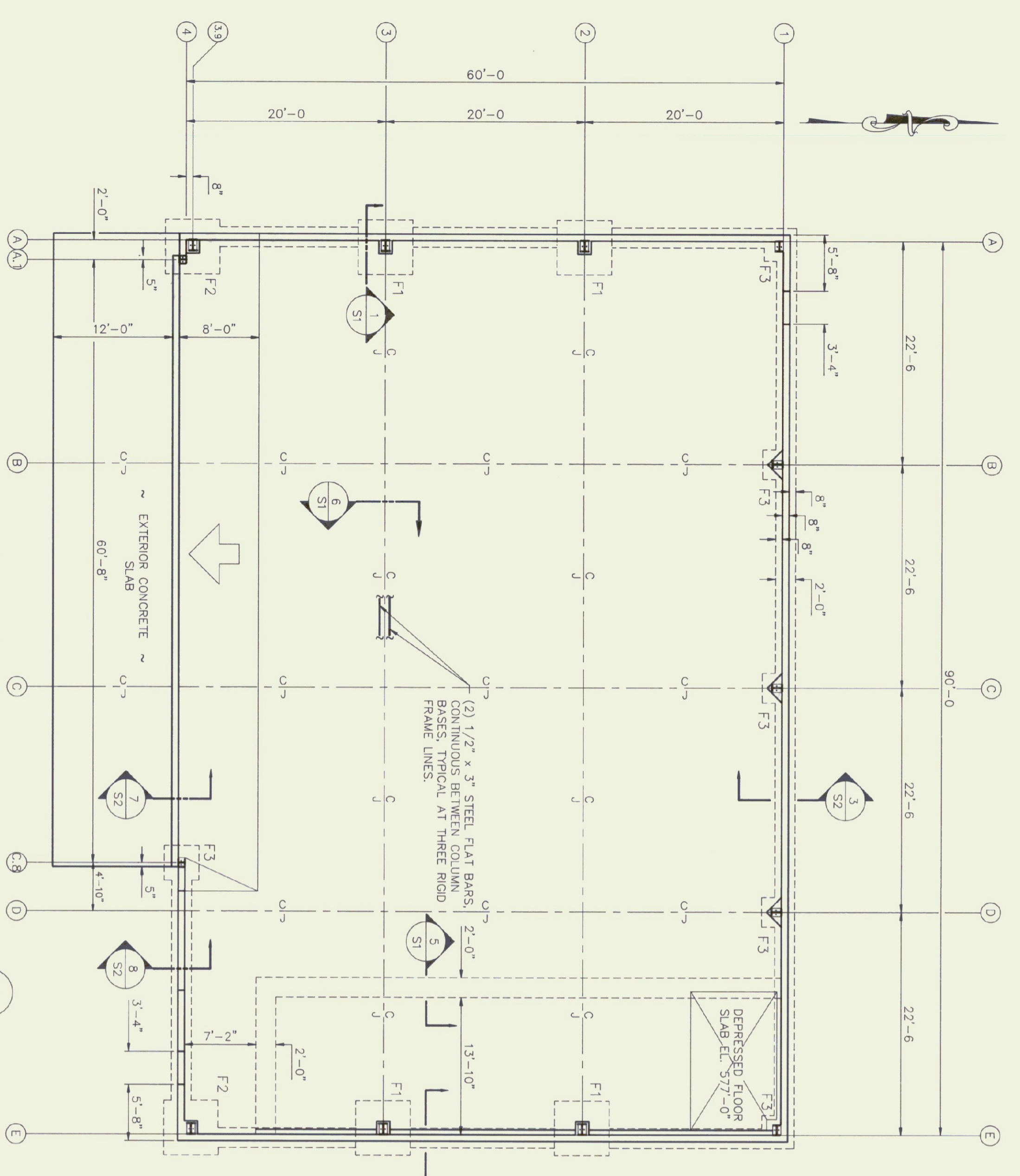


| Rev No | Date | Description | Made by | Checked by | App'd by |
|--------|------|-------------|---------|------------|----------|
| | | | | | |

**NEW AIRPORT HANGAR #2
HARTNESS STATE AIRPORT
SPRINGFIELD, VERMONT
FLOOR PLAN & ELEVATIONS**

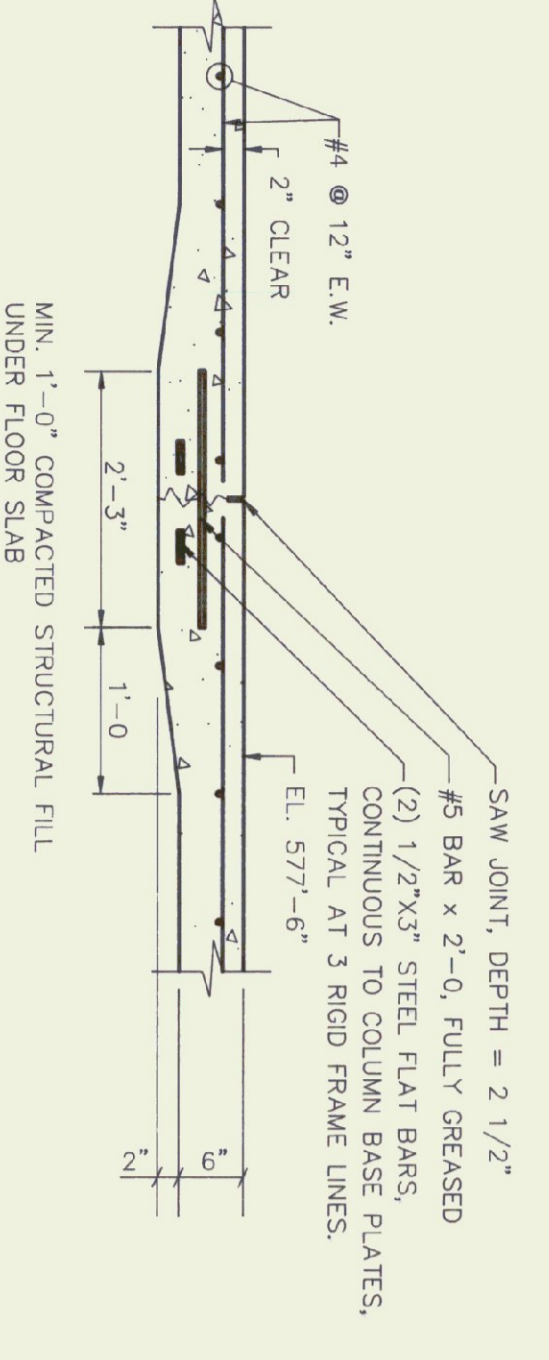
CHEMETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

Scale AS NOTED
Des. By: MJC
Dwn. By: JIS
Chk. By: MJC
Date AUG 1994
Dwg. No. A2

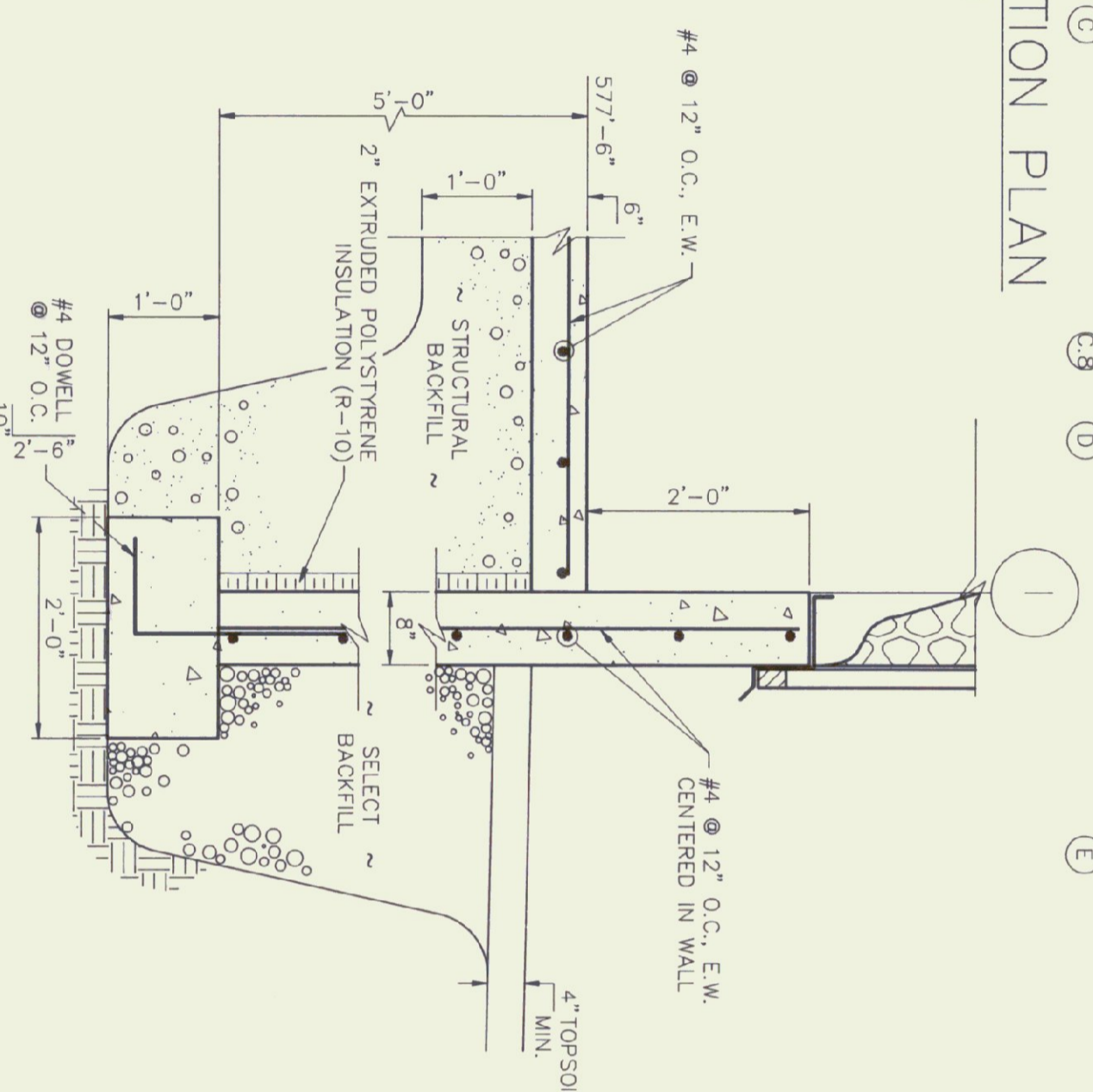


1. SLAB-ON-GRADE TO BE 6" THICK REINFORCED WITH #4 @ 12" E.W.
 2. ELEVATION TOP OF FOOTING = 577'-6" UNLESS OTHERWISE NOTED.

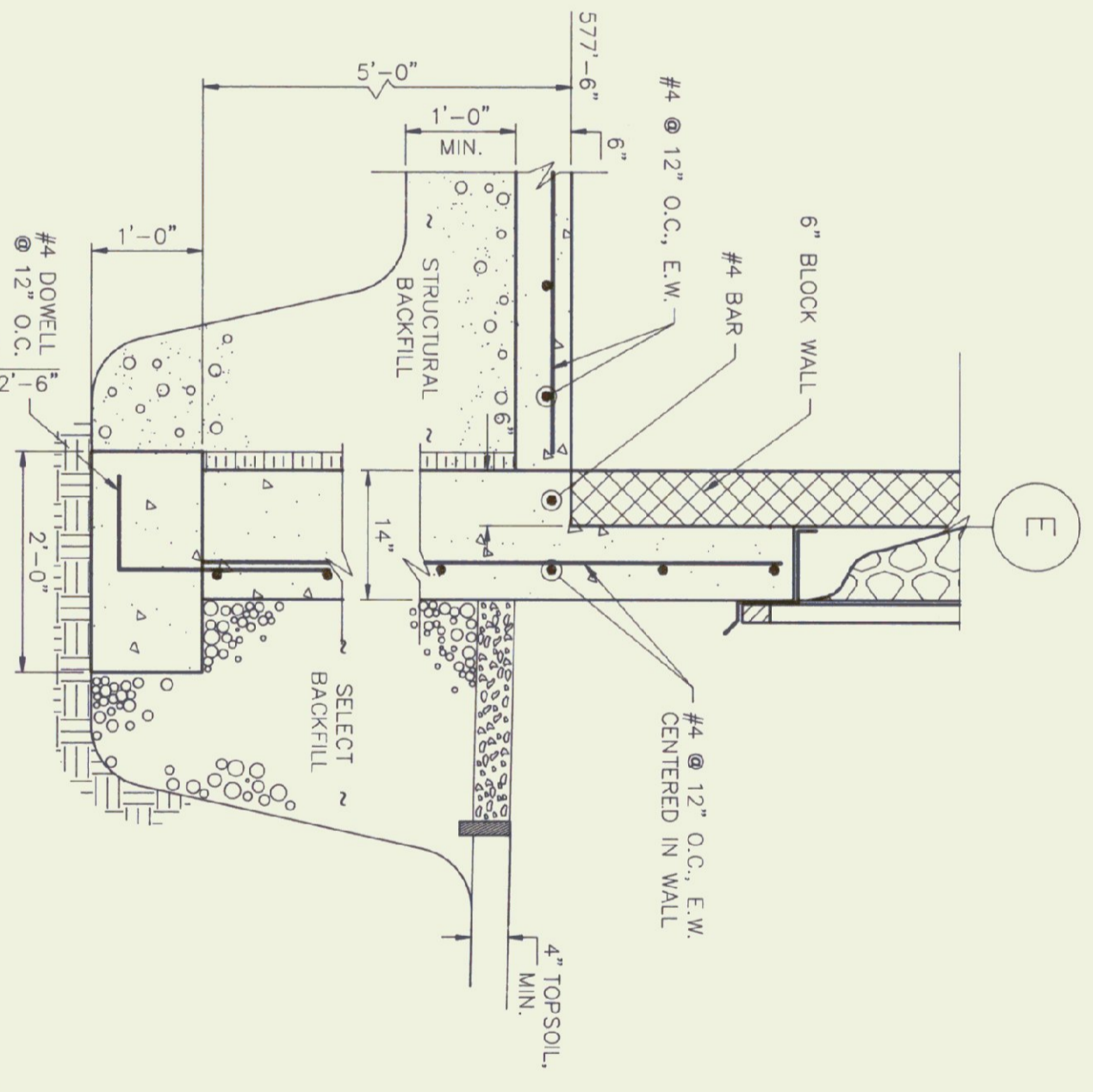
| MARK | SIZE | FOOTING SCHEDULE | REINFORCING | REMARKS |
|------|----------------------------|---------------------------|--------------------|---------|
| F1 | 5'-6" x 5'-6" x 1'-3" DEEP | #6'S @ 12" O/C E.W. (B01) | | |
| F2 | 4'-6" x 4'-6" x 1'-0" DEEP | #6'S @ 12" O/C E.W. (B01) | | |
| F3 | 3'-6" x 3'-6" x 1'-0" DEEP | #5'S @ 12" O/C E.W. (B01) | END - WALL FOOTING | |



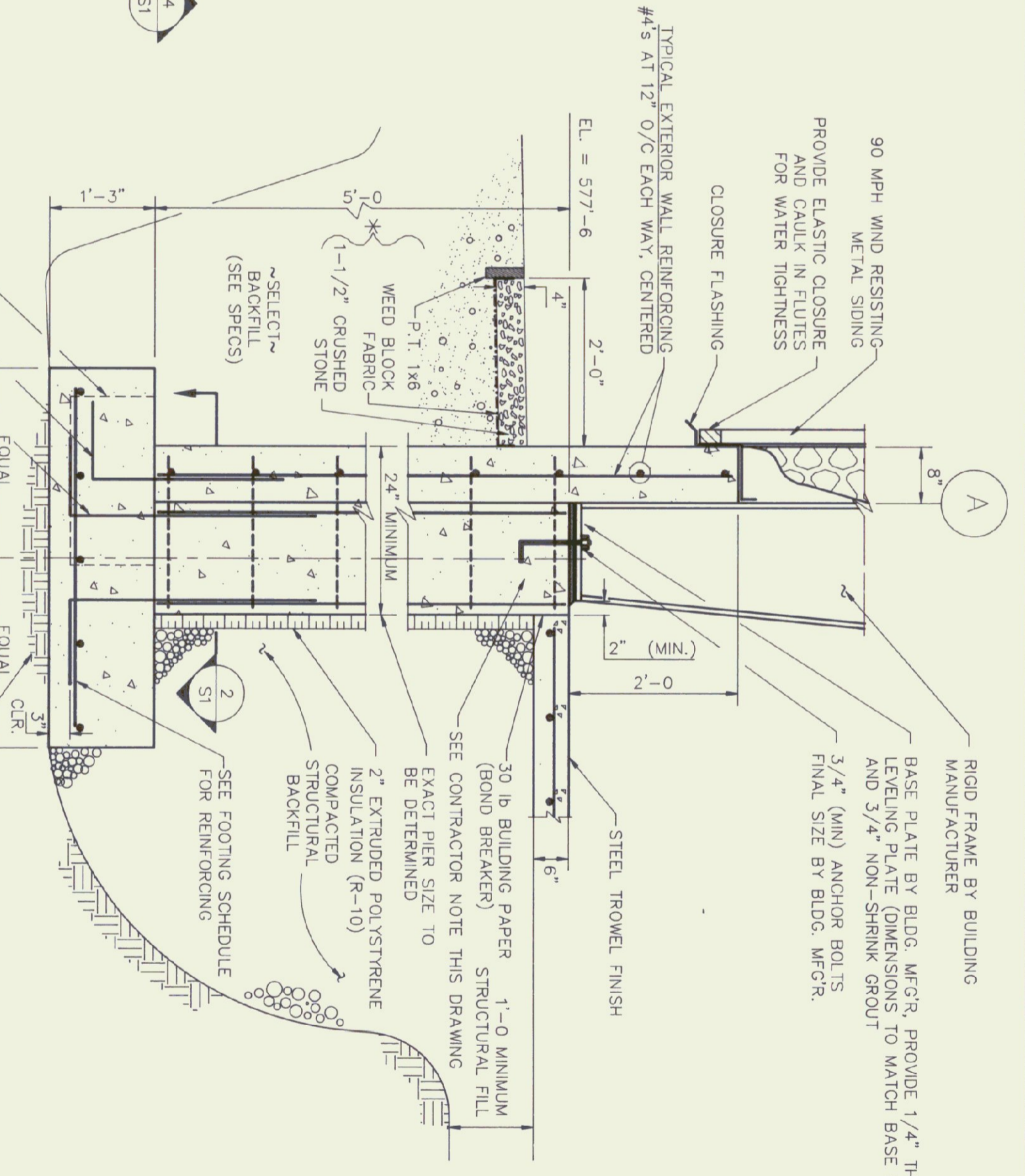
SECTION 6
 TYPICAL CONTROL JOINT AT RIGID FRAME LINES
 SCALE: 3/4" = 1'-0"



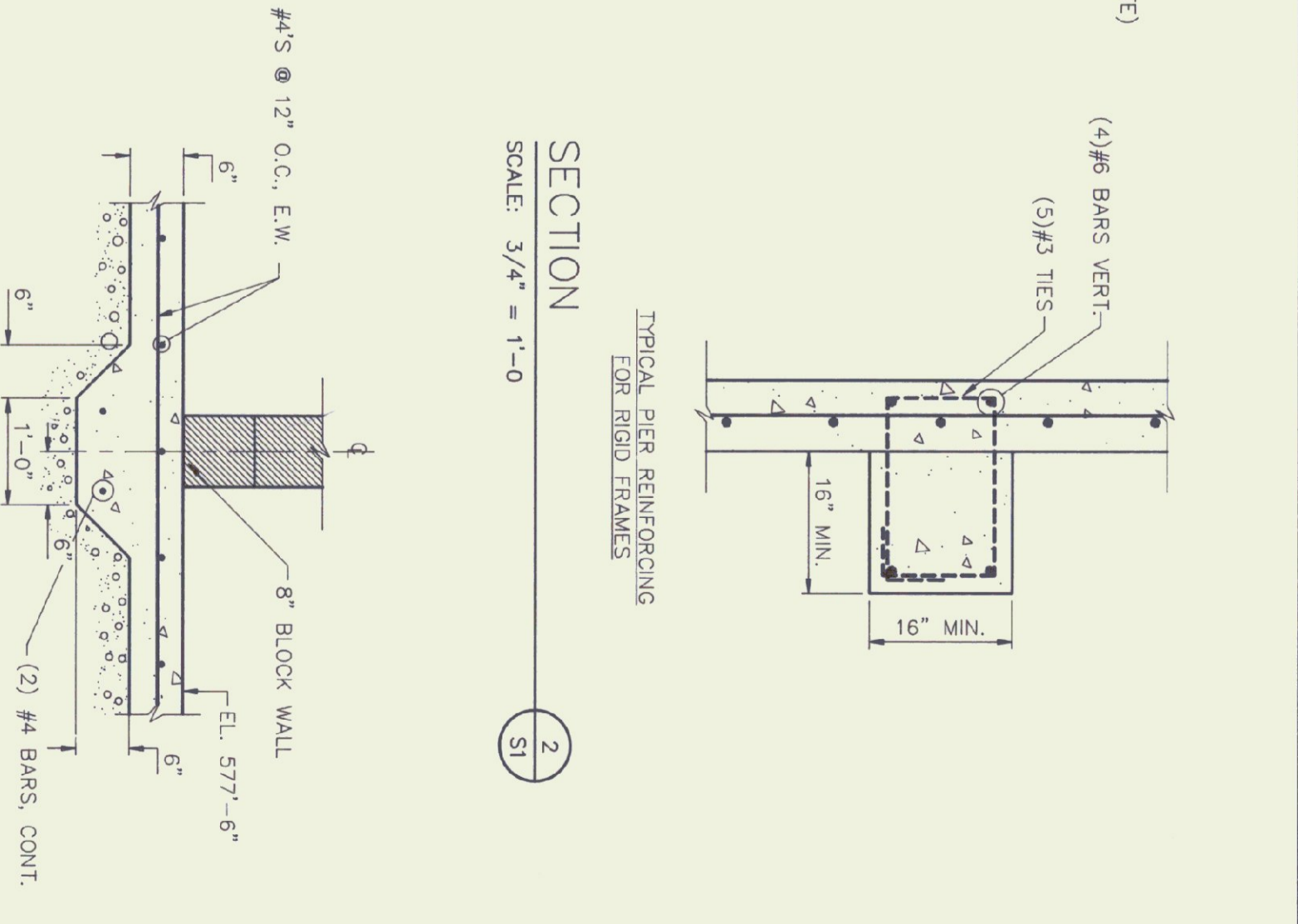
SECTION 3
 THROUGH FOUNDATION WALL
 SCALE: 3/4" = 1'-0"



SECTION 4
 THROUGH THICKENED FOUNDATION WALL
 SCALE: 3/4" = 1'-0"



SECTION 1
 THROUGH SLAB FOOTING @ BLOCK WALL
 SCALE: 3/4" = 1'-0"



SECTION 2
 THROUGH PIER REINFORCING FOR RIGID FRAMES
 SCALE: 3/4" = 1'-0"

CONTRACTOR NOTE:
 THE FOUNDATION DESIGN SHOWN ASSUMES TYPICAL FOUNDATION LOADS FROM A METAL BUILDING OF THIS TYPE. ACTUAL PIER AND FOOTING SIZES MAY HAVE TO BE REDESIGNED BASED UPON THE CONTRACTOR'S SITE SPECIFIC DESIGN. THE CONTRACTOR'S SITE SPECIFIC DESIGN SHOULD BE ADJUSTED TO ABSORB THESE POTENTIAL CHANGES.

PRELIMINARY
 NOT FOR CONSTRUCTION

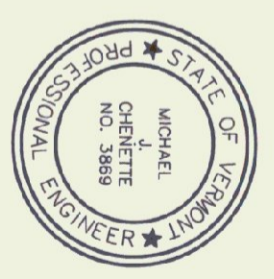
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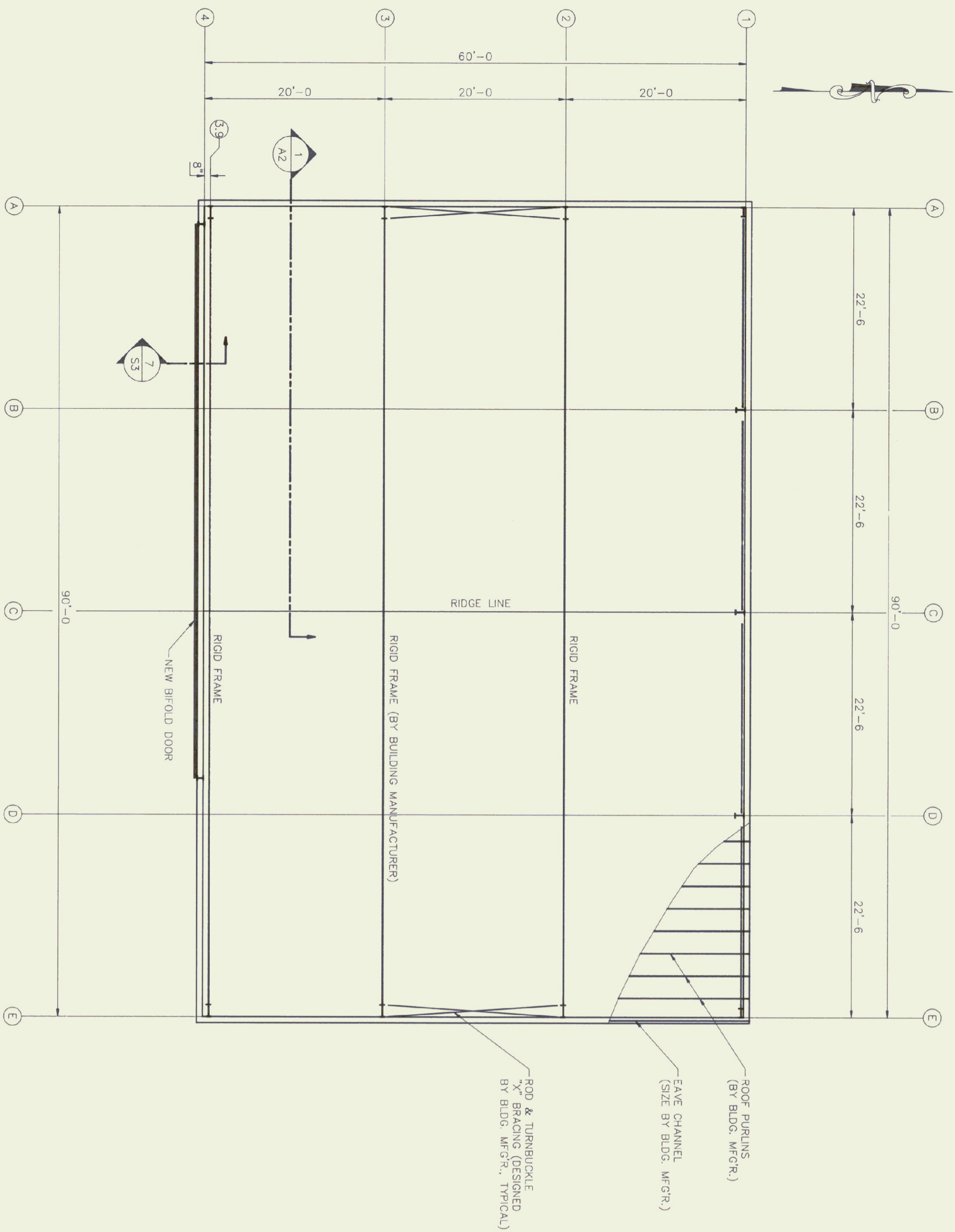
**NEW AIRPORT HANGAR #3
 HARTNESS STATE AIRPORT
 FOUNDATION PLAN AND DETAILS**

Sheet 5 of 8
 Scale AS NOTED

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

DESIGNED BY: JMC
 DRAWN BY: JMC
 DATE: SEPT 1994
 DWG NO: 22-002-12

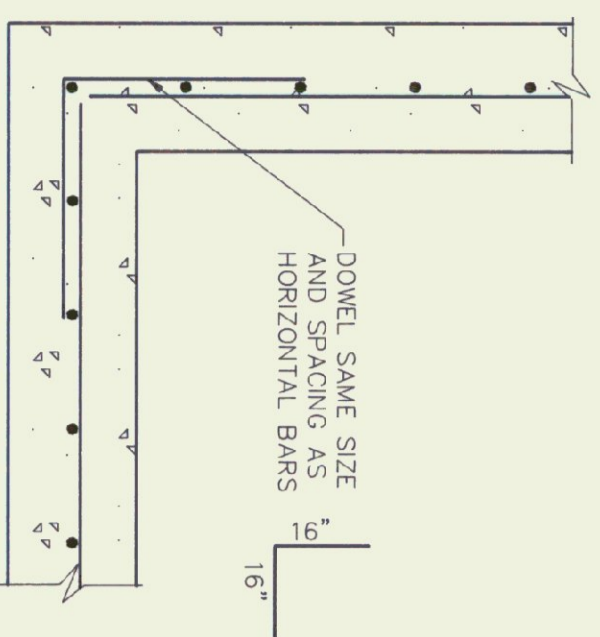




ROOF FRAMING PLAN

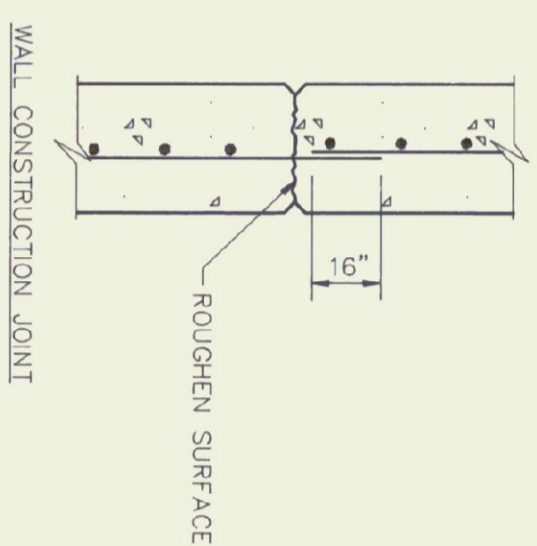
SCALE: 1/8"=1'-0"

- 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)



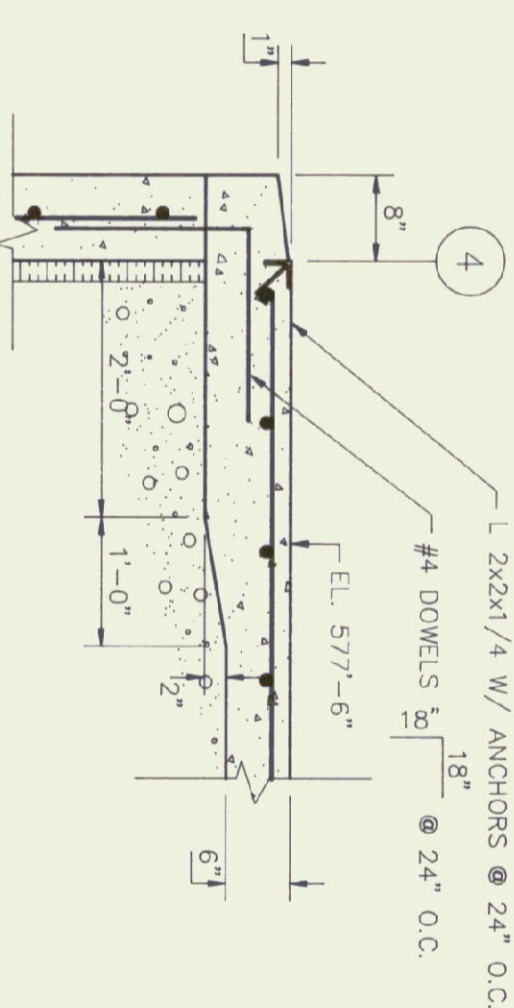
DETAIL
SCALE: NONE
TYPICAL CORNER REINFORCING

S2



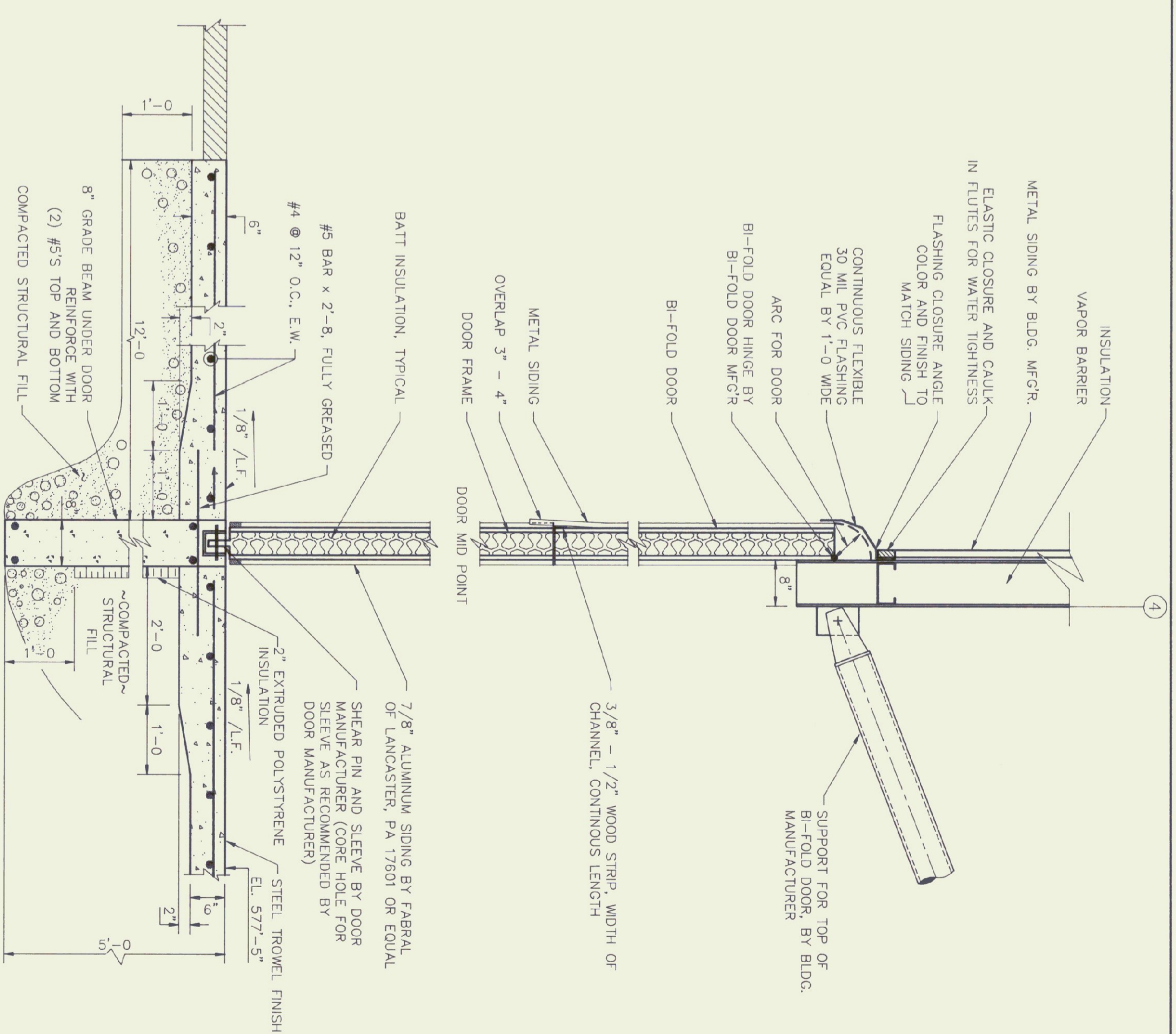
DETAIL
SCALE: NONE
TYPICAL CONSTRUCTION JOINT

S2



SECTION
SCALE: 3/4"=1'-0"
AT OVERHEAD DOOR

4

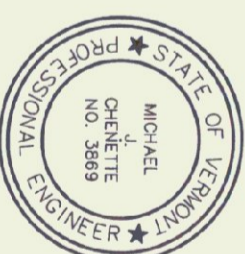


SECTION
SCALE: 3/4"=1'-0"
THROUGH BI-FOLD DOOR

7

PRELIMINARY

NOT FOR CONSTRUCTION



**NEW AIRPORT HANGAR #3
HARTNESS STATE AIRPORT
ROOF FRAMING SECTIONS & DETAILS**

S2

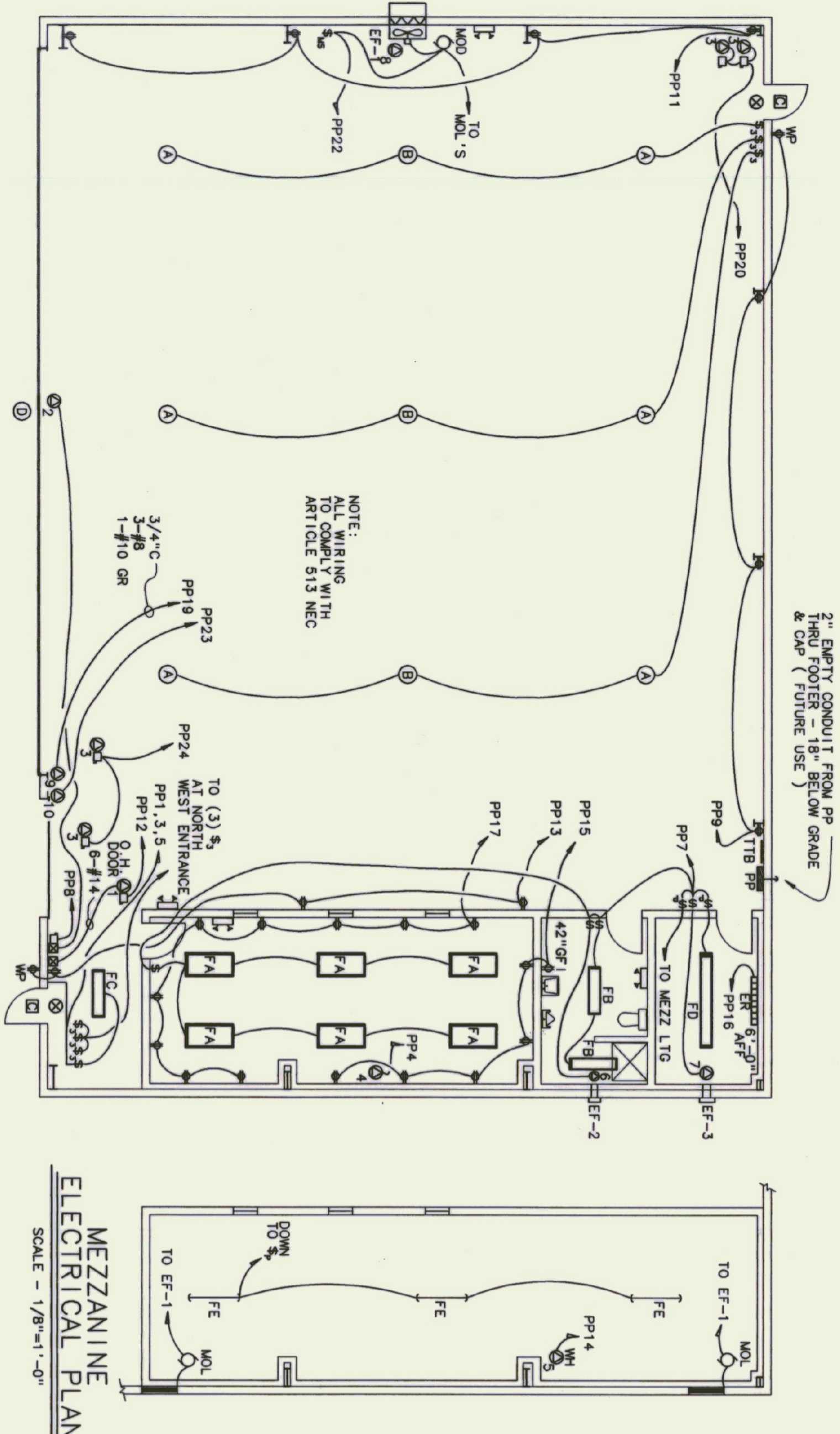
| Rev No | Date | Description | Made By | Checked By | App'd By |
|--------|------|-------------|---------|------------|----------|
| | | | | | |

Scale AS NOTED

Sheet 6 of 8

DESIGNED BY: MJC
CHKD. BY: MJC
DATE: SEPT 1994
DWG 22-002-12

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

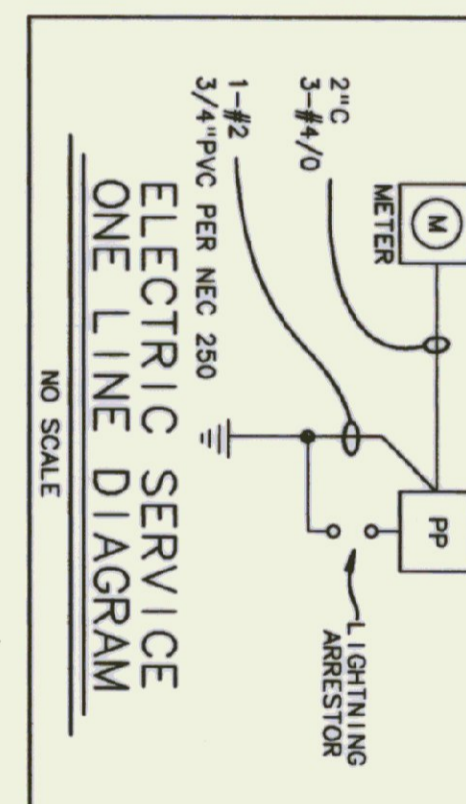
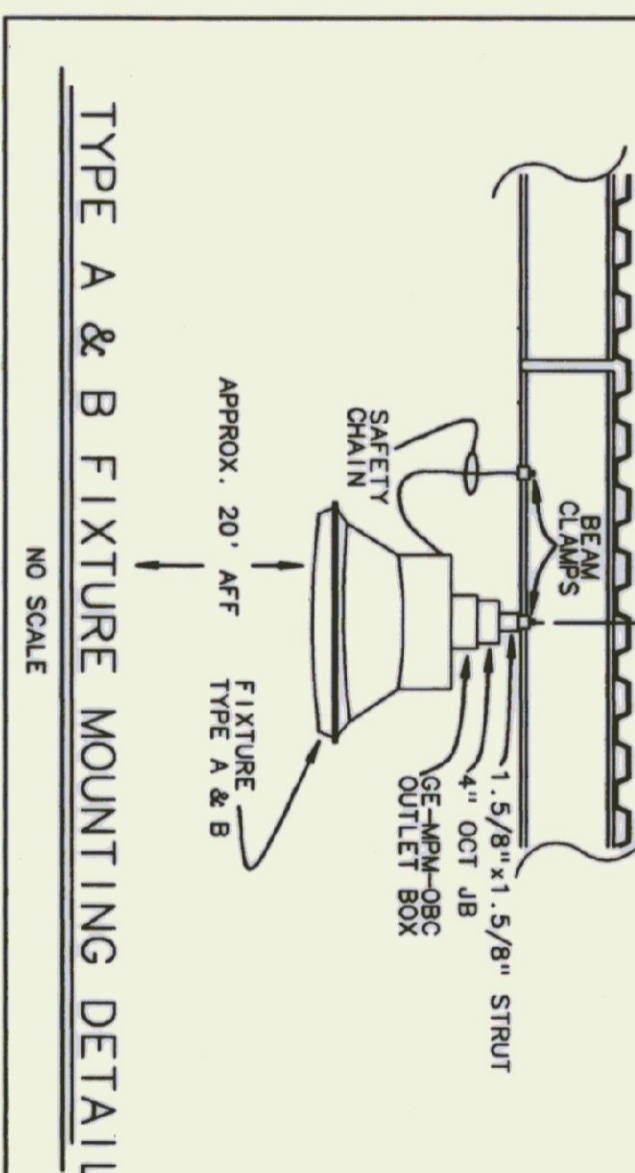
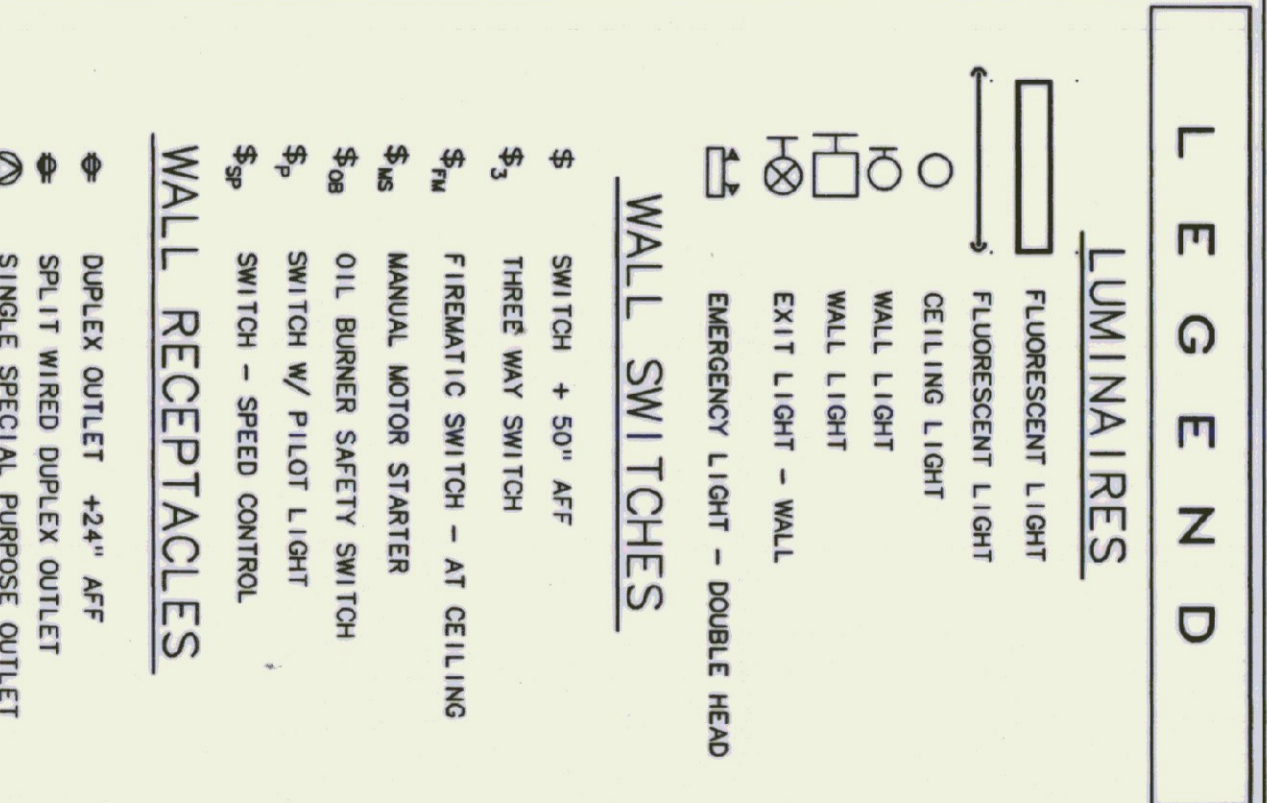
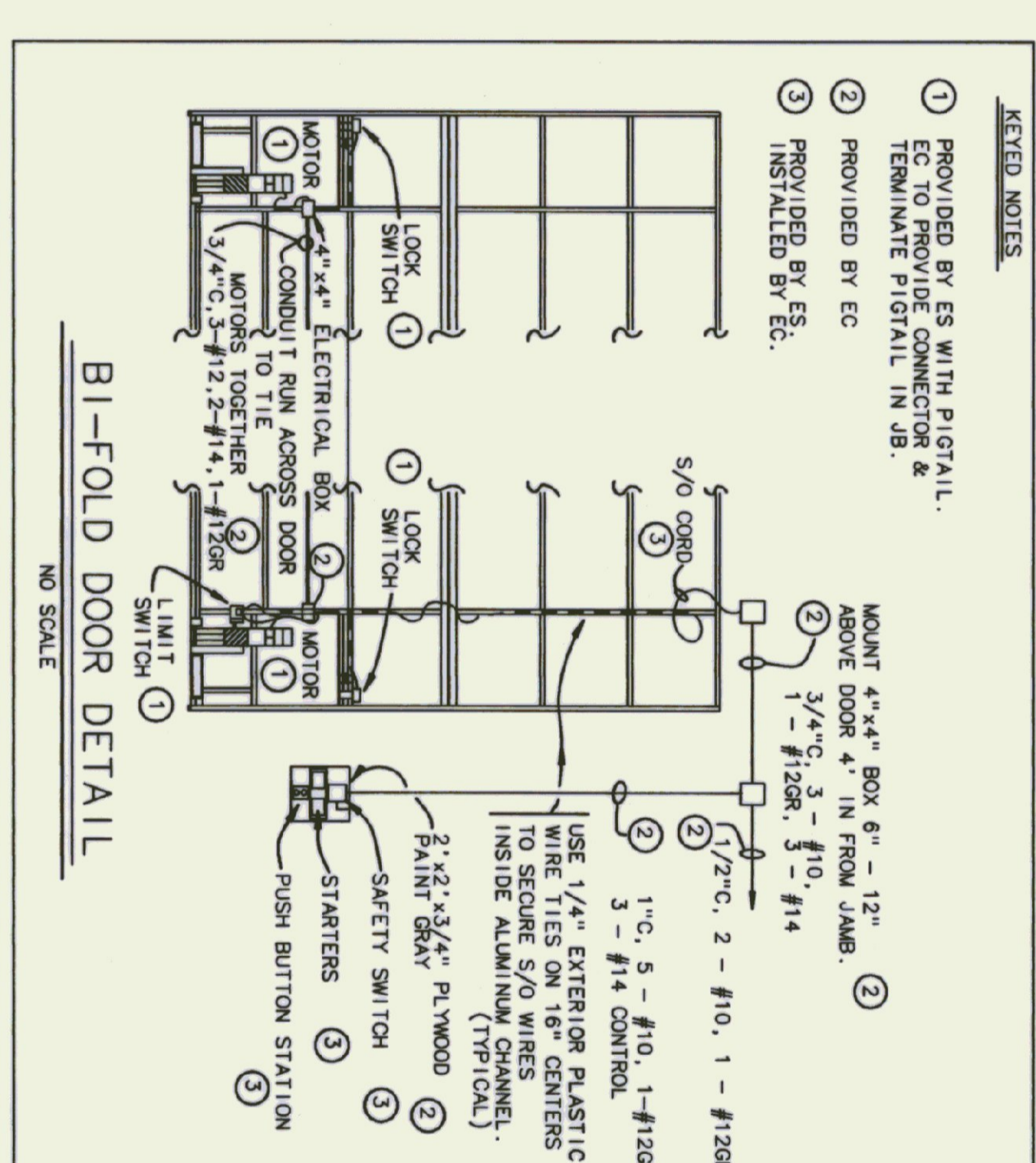


ELECTRICAL PLAN
SCALE - 1/8"=1'-0"

MEZZANINE
ELECTRICAL PLAN
SCALE - 1/8"=1'-0"

| PANEL DESIGNATOR | | | | | | |
|---|------|----------------|--------|---------|-------------|-----|
| PANEL: PP | | | | | | |
| MOUNTING: SURFACE | | | | | | |
| MAINS: 150 AMP MAIN CIRCUIT BREAKER, 120/240 1-PHASE 3 WIRE | | | | | | |
| CONNECTED LOAD: 77 KW | | | | | | |
| NO. | LOAD | DESCRIPTION | P. AMP | AMP. P. | DESCRIPTION | KW |
| 1 | 1.3 | LIGHTS | 1 | 20 | 1 | 4 |
| 3 | 1.3 | LIGHTS | 1 | 20 | 2 | 4 |
| 5 | 1.4 | LIGHTS | 1 | 20 | 2 | 4 |
| 7 | 9 | LIGHTS | 1 | 20 | 2 | 7.5 |
| 9 | 1.0 | OUTLETS | 1 | 20 | 1 | 10 |
| 11 | 1.0 | OUTLETS | 1 | 20 | 1 | 12 |
| 13 | 1.0 | OUTLETS | 1 | 20 | 1 | 14 |
| 15 | 9 | OUTLETS | 1 | 20 | 5 | 16 |
| 17 | 1.4 | OUTLETS | 1 | 20 | 1 | 18 |
| 19 | 7.5 | WELDING OUTLET | 2 | 50 | 2 | 20 |
| 21 | 3 | HEATER OUTLET | 2 | 20 | 1 | 24 |
| 23 | 3 | HEATER OUTLET | 2 | 20 | 1 | 24 |
| 25 | - | SPACE | 1 | 20 | 1 | 26 |
| 27 | 27 | SPACE | 1 | 20 | 1 | 28 |
| 29 | 19 | SPACE | 1 | 20 | 1 | 30 |
| 31 | 31 | SPACE | 1 | 20 | 1 | 32 |
| 33 | 33 | SPACE | 1 | 20 | 1 | 34 |
| 35 | 35 | SPACE | 1 | 20 | 1 | 36 |
| 37 | 37 | SPACE | 1 | 20 | 1 | 38 |
| 39 | 39 | SPACE | 1 | 20 | 1 | 40 |
| 41 | 41 | SPACE | 1 | 20 | 1 | 42 |

| ELECTRICAL FIXTURE SCHEDULE | | | | | |
|-----------------------------|--|------------------------------|-------------------------|------|--------------------------------------|
| KEY | MANUFACTURE & MODEL | MOUNTING | LAMPS | VOLT | REMARKS |
| A | GE - OS 2551 ISTD16 | SEE DETAIL | 250 W. - HPS | 120 | SAFETY CHAIN |
| B | SAME AS A EXCEPT WITH AUTO SWITCHED QUARTZ | SEE DETAIL | 250 W. - HPS | 120 | 150 W QUARTZ LAMP |
| C | HIM HNS343100HP100D09P | WALL, SEE ARCH. ELEVATION | 100W - HPS | 120 | EACH WITH SEPARATE PHOTOCELL CONTROL |
| D | HUGHES PHILIPS - 0820A1 RED SINGLE OBSTRUCTION LIGHT | 3/4" RING 1" ABV. ROOF RIDGE | 118 W. - LHT-18-125A210 | 120 | LE CONDUIT ON EXT. WALL, 22' AFF. |
| FA | COLUMBIA WCR24A-ECOT | CEILING SURFACE | 2 - TRC02-3500 | 120 | |
| FB | COLUMBIA AMW20A-ECOT | CEILING SURFACE | 2 - TRC02-3500 | 120 | |
| FC | COLUMBIA CSR24A-ECOT | CEILING SURFACE | 2 - TRC02-3500 | 120 | |
| FD | COLUMBIA CSR24A-4-ECOT | CEILING SURFACE | 4 - TRC02-3500 | 120 | |
| FE | COLUMBIA CSR4A-ECOT | CEILING SURFACE | 2 - TRC02-3500 | 120 | |
| | LIGHTLUMENS - 2PT2X11A4 | 4" OUTLET BOX | 2 - 12 WATT | 12 | 10' AFF. |
| | LIGHTLUMENS - XEMRWFL | UNIVERSAL | 2 - 7 WATT - FL. | 120 | 12' ABOVE DOOR |



| SPECIAL PURPOSE OUTLET SCHEDULE | | | | | | | | | | | |
|---------------------------------|----------------------|-------------|--------------|------------------------------|-------------------------|------|---------|---------------------|--------------|----------------------------|----------------------|
| KEY | DESCRIPTION | SUPPLIED BY | INSTALLED BY | CONDUCTOR & CAP. PROVIDED BY | ELECTRICAL REQUIREMENTS | AMPS | TYPE | STARTER PROVIDED BY | INSTALLED BY | ELECTRICAL DISCONNECT TYPE | REMARKS |
| 1 | OVERHEAD DOOR | GC | GC | - | - | 120 | 10 | ES | EC | 20A - 1P | CONTROL WIRING BY EC |
| 2 | BI-FOLD DOOR | GC | GC | - | - | 240 | 10 | MC | EC | 30A - 2P | CONTROL WIRING BY EC |
| 3 | INFRARED HEATER | MC | MC | EC | 120 | 1.1 | MC | MC | 20A - 1P | CONTROL BY MC | |
| 4 | THRU-WALL A/C & HEAT | MC | MC | EC | 230 | 8 | EC | EC | - | - | |
| 5 | WATER HEATER | PC | PC | EC | 120 | 12.5 | - | - | - | - | |
| 6 | EXHAUST FAN EF-2 | MC | MC | EC | 120 | FHP | WALL \$ | EC | EC | WALL \$ | |
| 7 | EXHAUST FAN EF-3 | MC | MC | EC | 120 | FHP | WALL \$ | EC | EC | WALL \$ | |
| 8 | WELDING OUTLET | EC | EC | EC | 120 | 10 | WALL \$ | EC | EC | WALL \$ | |
| 9 | WELDING OUTLET | EC | EC | EC | 14-50R | 50 | WALL \$ | EC | EC | WALL \$ | |
| 10 | HEATER OUTLET | EC | EC | EC | 6-20R | 20 | WALL \$ | EC | EC | WALL \$ | |

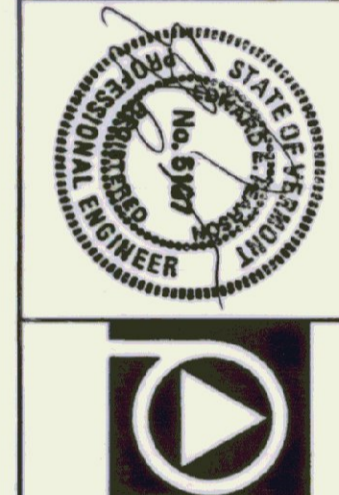
Pearson & Associates
MECHANICAL & ELECTRICAL ENGINEERS
P. O. BOX 610 STOWE, VERMONT 05672
TEL. (802) 253-9607 FAX. (802) 253-9290

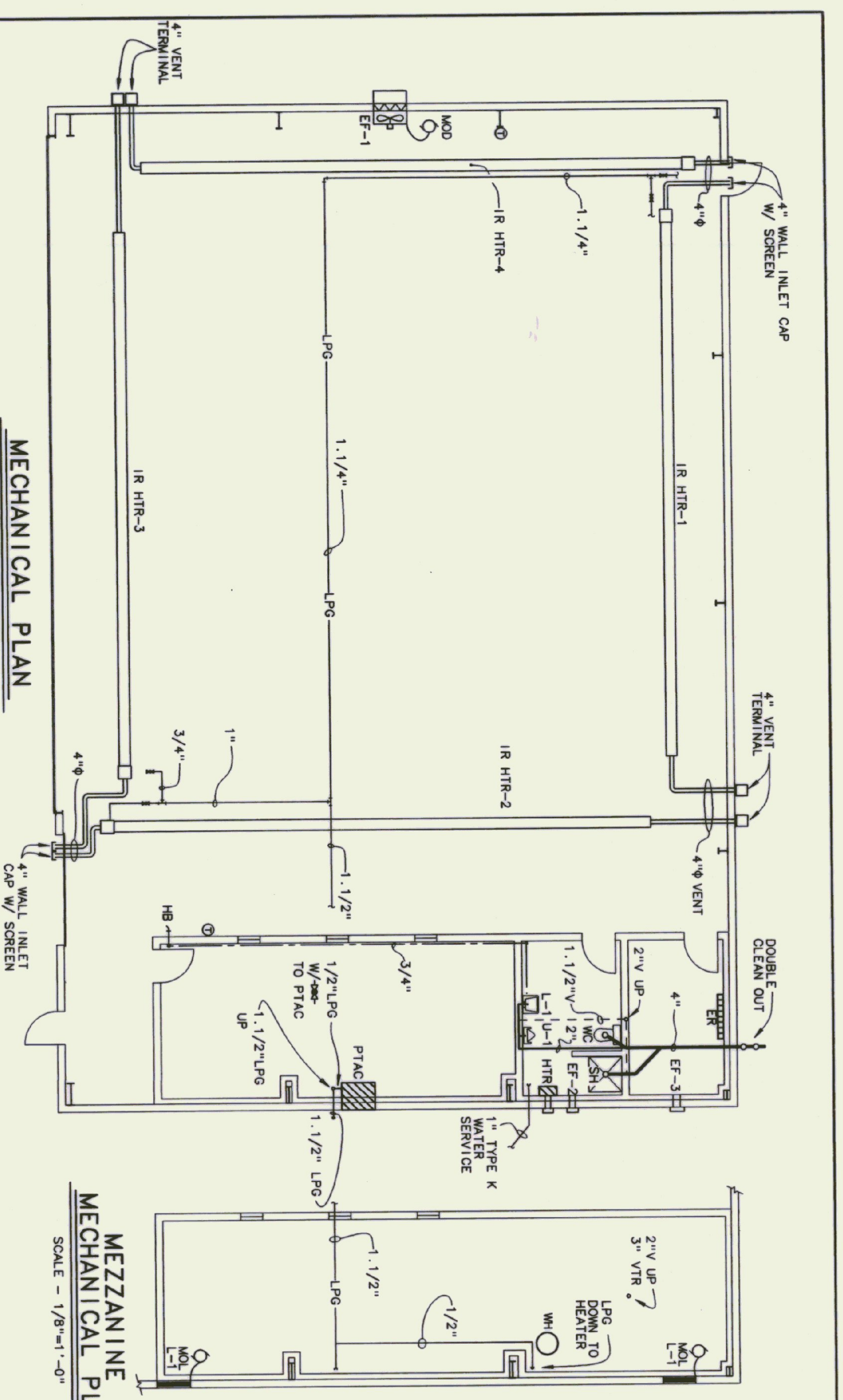
GF
CHENETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
VERMONT

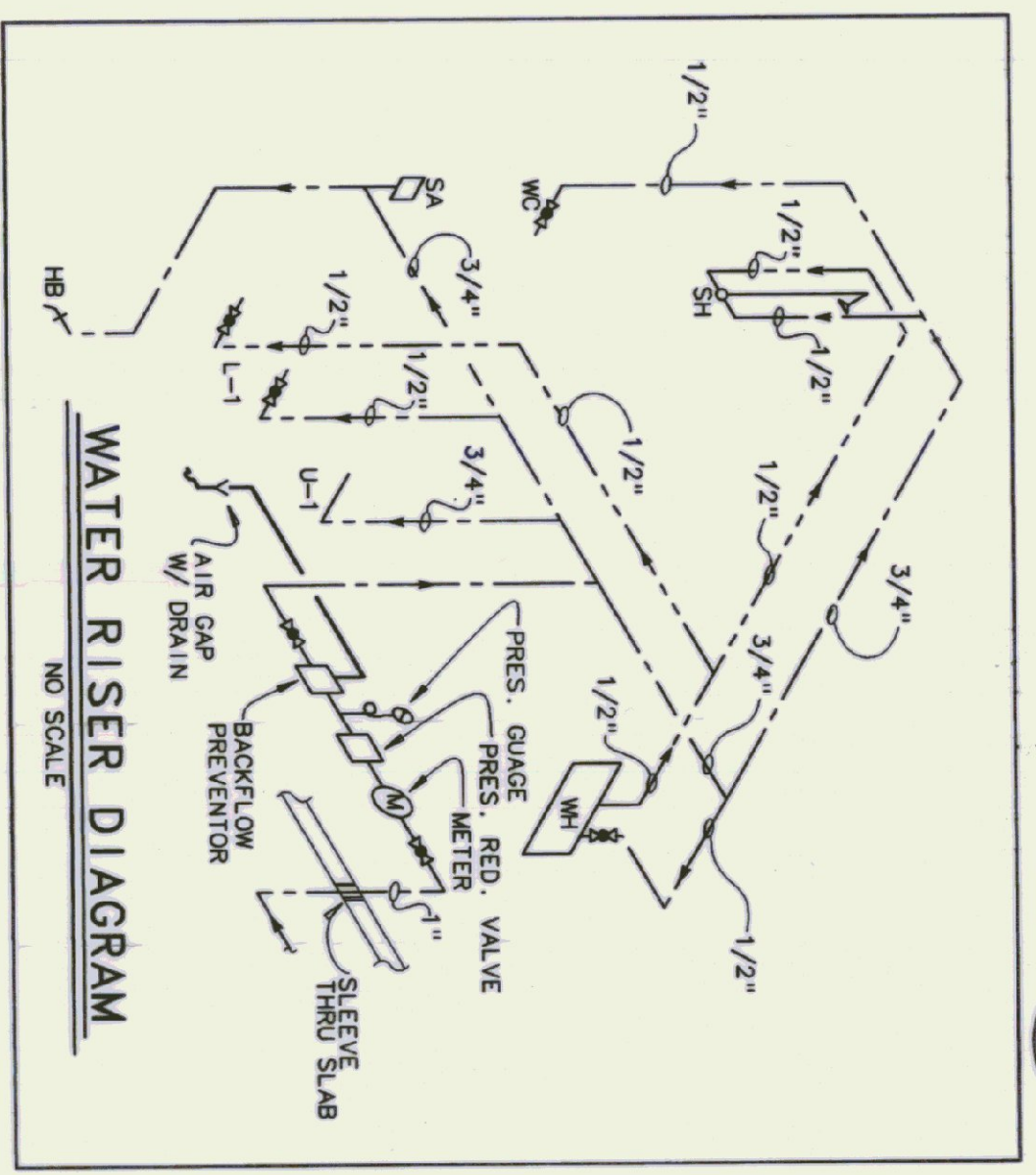
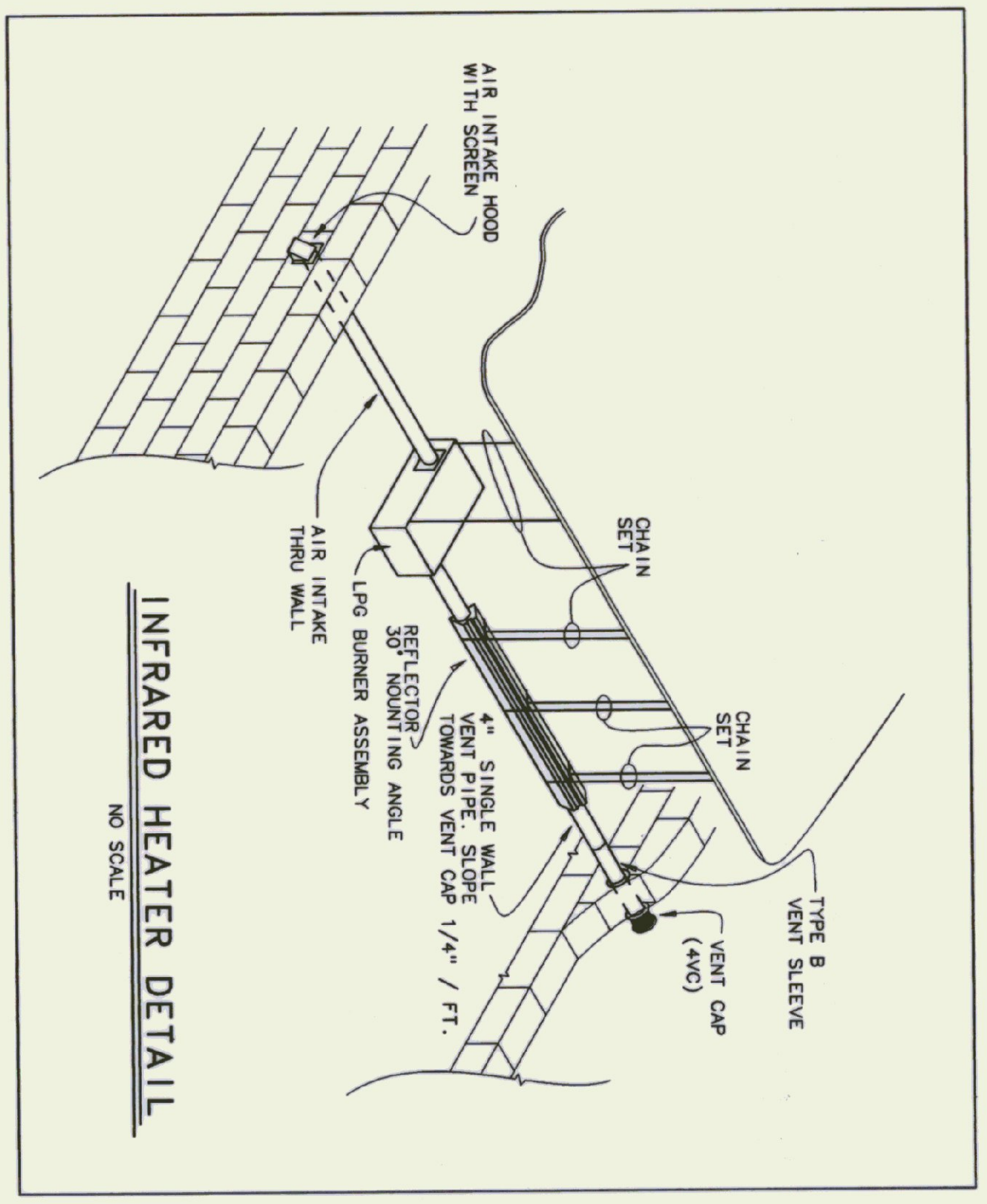
NEW AIRPORT HANGER #3
HARTNESS STATE AIRPORT
Springfield, Vermont
ELECTRICAL PLANS AND DETAILS

DATE: _____ SCALE: AS SHOWN
DRAWN BY: B.W.M. APPROVED BY: _____
REVISIONS: _____ CAD FILE: PS-HA-E1
SHEET: OF E-1

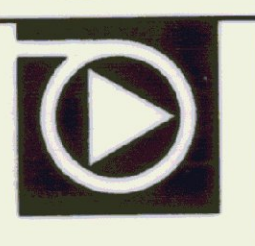




| KEY | DESCRIPTION |
|----------|--|
| EF-1 | EXHAUST FAN - SIDEWALL, BELT-DRIVEN, 10,043 CFM, 125"SP, 535 RPM, 14.3 SONES, 1/2 HP, 120 VAC, GREENHECK SPFE38 |
| EF-2 | EXHAUST FAN - 180 CFM, 5.0 SONES, 120 VAC, 1.5 AMPS, WITH BACKDRAFT DAMPER, BROAN MODEL 509 |
| ER | BASEBOARD RADIATION, COMMERCIAL GRADE, SLOPE TOP, 3410 BTUH, 1000 WATTS @ 240 VOLTS, 4.2 AMPS, ELECTROMODE EBST047 WITH DOUBLE POLE BUILT IN THERMOSTAT, ELECTROMODE EBSTD |
| IR HTR-1 | INFRARED RADIANT HEATER, LP GAS FIRED STRAIGHT TUBE HEATER WITH OVERALL LENGTH OF 50' 7", DETROIT RADIANT PRODUCTS MODEL DX50 - 150P |
| IR HTR-2 | ACCESSORIES: DIRECT SWITCH THERMOSTAT TD-128, 4" VENT TERMINAL SK-4, 4" WALL INLET CAP WITH BIRD SCREEN, 5" CHAIN SETS (MIN 8 SETS PER UNIT) |
| IR HTR-3 | VENTED THRU-THE WALL GAS HEATER, 12,000 BTUH INPUT LP GAS, PERFECTION MODEL ASV12811 |
| L1 | COMBINATION LOUVER / MOTOR OPERATED DAMPER, 60" WIDE X 40" HIGH, EXTRUDED ALUMINUM WITH ALUMINUM INSECT SCREEN, VENT PRODUCTS MODEL 2400 |
| | ADJUST-O-VENT HARDWARE KIT #9027 |
| | BARBER COLMAN 120 VAC DAMPER ACTUATOR CAT. #MA 418 |
| PTAC | PACKAGED TERMINAL AIR CONDITIONER WITH LP GAS HEAT, 12,000 BTUH COOLING, 20,000 BTUH LP GAS INPUT, 200 VOLTS, SINGLE PHASE, SUBURBAN MFG CO. MODEL DL2-1220, LP GAS |



| ITEM | MANUFACTURE & MODEL | TRIM & ACCESSORIES | CONNECTION SIZES | | | | REMARKS |
|------|---|---|------------------|--------|------|------|---------|
| | | | WASTE | VENT | CW | HW | |
| HB | WOOD-GRO 24P-34 | VACUUM BREAKER | | | 3/4" | | |
| L-1 | AMERICAN STANDARD TREGALYN LAVATORY CAT NO. 4899 012 4" | MOEN SANITREAM FAUCET W/ GRID DRAIN CAT NO. 945 SUPPLIES WITH STOP | 1 1/4" | 1 1/2" | 1/2" | 1/2" | WHITE |
| SA | SHOCK ABSORBER | WADE W-400 CARRIER | | | 3/4" | | |
| SH | SHOWER STALL, SWAN MODEL SA774S | MOEN SANITREAM PRESSURE BALANCED VALVE BOTS WITH VANDAL RESISTANT HEAD, AIR FLANGE Z SHOWER DRAIN | 2" | 1 1/2" | 1/2" | 1/2" | WHITE |
| U-1 | URINAL, AMERICAN STANDARD TRIMBROOK, 6561.017 | FLUSH VALVE SLOW ROYAL 186, WADE W-400 CARRIER W/ VALVE SUPPORT | 2" | 1 1/2" | 3/4" | | |
| WC | TOILET, AMERICAN STANDARD NEW WATER SAVING 2812.053 | SEAT - GLASSITE #95 OPEN FRONT LESS COVER | 4" | 2" | 3/8" | | |



Pearson & Associates
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CHEMETTE ENGINEERING, INC.
50 STATE STREET
MONTPELIER, VERMONT 05602

DATE: _____ SCALE: AS SHOWN
DRAWN BY: B.W.M. APPROVED BY: _____
REVISONS: _____ CAD FILE: PS-HA-M1
SHEET: _____ OF _____ DWG NO. M-1

STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER
VERMONT

NEW AIRPORT HANGER #3
HARTNESS STATE AIRPORT
Springfield, Vermont
MECHANICAL PLANS AND DETAILS