State of Vermont
Department of Buildings & General Services

DERBY WELCOME CENTER

I-91 SOUTHBOUND
DERBY, VERMONT

FEDERAL PROJECT NO. IM 091-3(8)

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

FEDERAL HIGHWAY ADMIN. VERMONT DIVISION
FEDERAL BUILDING
87 STATE STREET, P.O. BOX 568
MONTPELIER, VERMONT 05601
CHARLES E. BASNER
Mark D. Richter
for DIVISION ADMINISTRATOR

AGENCY OF ADMINISTRATION
NATIONAL LIFE BUILDING
1 NATIONAL LIFE DRIVE
MONTPELIER, VERMONT 05633
BRIAN R. SEARLES, SECRETARY

PROJECT LOCATION

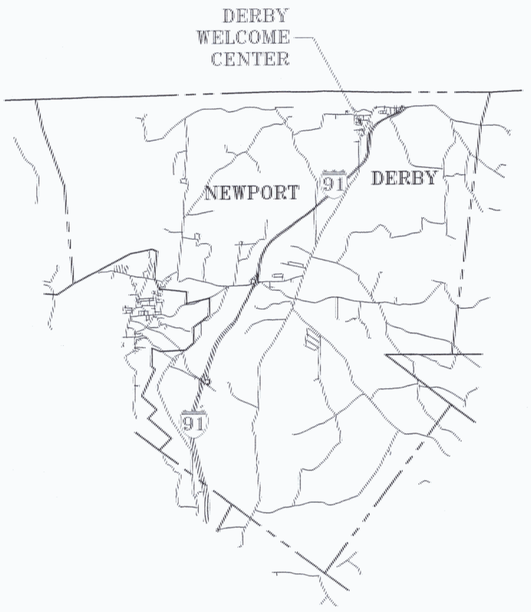
Howard Dean, M.D.
Governor

January 7, 2002

NORTHERN ARCHITECTS

207 KING STREET
SUITE 3
BURLINGTON, VERMONT
05401-4502

802-658-1953



PROJECT LOCATION

PROJECT SHEET LIST

CIVIL

KREEBS AND LANGENS
Main Street
Colchester, VT 05446
(802) 878-0515

SC-1	OVERALL SITE PLAN
SC-2	EXISTING CONDITIONS AND CIVIL SITE DEMOLITION PLAN
SC-3	EXISTING CONDITIONS AND CIVIL SITE DEMOLITION PLAN
SC-4	SITE PLAN
SC-5	SITE PLAN
SC-6	SITE PLAN
SC-7	SITE PLAN
SC-8	SITE PLAN
SC-9	SITE PLAN
SC-10	LAYOUT PLAN
SC-11	LAYOUT PLAN
SC-12	REM SIGNAGE AND PAVEMENT MARKING PLAN
SC-13	APPROACH SIGNAGE
SC-14	LEDGE PROBE PLAN
SC-15	LEDGE PROBE PLAN
SC-16	LEDGE PROBE PLAN
SC-17	PROPOSED ROAD PROFILES
SC-18	PROPOSED ROAD PROFILES
SC-19	PROPOSED ROAD PROFILES
SC-20	WATER MAIN PROFILE
SC-21	WATER MAIN PROFILE
SC-22	WATER MAIN PROFILE
SC-23	TRAFFIC CONTROL PLAN - ONE LANE CLOSED
SC-24	TRAFFIC CONTROL PLAN - SHOULDER WORK
SC-25	DETAILS
SC-26	DETAILS
SC-27	DETAILS
SC-28	DETAILS
SC-29	DETAILS
SC-30	DETAILS
SC-31	CUSTOM SIGNAGE DETAILS
SC-32	WATER MAIN EASEMENT DETAIL SHEET

LANDSCAPE

OFFICE OF H. KEITH MAGNER
71 Marble Ave.
Burlington, VT 05401
(802) 864-0010

L1.0	PLANTING PLAN
L2.0	LANDSCAPE DETAILS
L3.0	LANDSCAPE DETAILS
L4.0	LANDSCAPE DETAILS
L5.0	LANDSCAPE LAYOUT AND MATERIAL PLAN

STRUCTURAL

RICHARD N. DOHERTY, P.E.
171 St. Paul Street
Burlington, VT 05401
(802) 660-3202

S-1	FOUNDATION PLAN
S-2	ROOF FRAMING PLAN
S-3	ATTIC FRAMING PLAN
S-4	STRUCTURAL SECTIONS
S-5	STRUCTURAL SECTIONS
S-6	TIMBER TRUSS DETAILS
S-7	STRUCTURAL DETAILS
S-8	MAINTENANCE BLDS./PICNIC PAVILION
S-9	STRUCTURAL SECTIONS

ARCHITECTURAL

NORTHERN ARCHITECTS
2017 King Street, Suite 3
Burlington, VT 05401
(802) 658-1953

A0.0	GENERAL NOTES, CODE ANALYSES, AND WALL TYPES
A1.1	FLOOR PLAN - WELCOME CENTER
A1.2	ATTIC, DORMER, AND ROOF PLAN / FINISH SCHEDULE
A1.3	REFLECTED CEILING AND FLOOR PATTERN PLANS
A1.4	ROOF DETAILS
A1.5	ROOF AND INTERIOR DETAILS
A2.1	WELCOME CENTER - BUILDING ELEVATIONS
A2.2	RAMP PLAN, ELEVATIONS, AND DETAILS / ENLARGED ELEVATIONS
A3.1	BUILDING SECTIONS
A3.2	BUILDING SECTIONS
A3.3	BUILDING SECTIONS
A3.4	BUILDING SECTIONS
A4.1	WALL SECTIONS
A4.2	WALL SECTIONS
A4.3	WALL SECTIONS
A4.4	WALL SECTIONS
A4.5	WALL SECTIONS
A4.6	WALL SECTIONS AND GENERAL DETAILS
A4.7	ARCHITECTURAL DETAILS
A5.1	DOOR SCHEDULES/TYPES AND DETAILS
A5.2	WOOD DOOR DETAILS
A5.3	STOREFRONT DETAILS
A5.4	STOREFRONT, CARRIAGE, AND OVERHEAD DOOR DETAILS
A5.5	HOLLOW METAL DOOR DETAILS
A6.1	WINDOW TYPES AND DETAILS
A6.2	WINDOW DETAILS
A6.3	LOUVER, TYPES AND DETAILS/WINDOW DETAILS
A7.1	INTERIOR ELEVATIONS - PUBLIC AREAS
A7.2	INTERIOR ELEVATIONS - PUBLIC AREAS
A7.3	INTERIOR ELEVATIONS - PUBLIC AREAS AND RESTROOMS
A7.4	INTERIOR ELEVATIONS - RESTROOMS, SECTIONS, AND DETAILS
A8.1	RECEPTION DESK PLAN, ELEVATIONS, AND DETAILS
A8.2	RECEPTION DESK SECTIONS
A9.1	MAINTENANCE BLDS. PLAN, ELEVATIONS, AND SECTIONS
A9.2	MAINTENANCE BLDS. WALL SECTIONS
A10.1	PICNIC PAVILION PLANS AND DETAILS
A10.2	PICNIC PAVILION ELEVATIONS, AND SECTIONS
A11.1	FLOOR PLAN - TOURS AND DETOURS DISPLAYS
A11.2	ELEVATIONS AND DETAILS - TOURS AND DETOURS DISPLAY

PLUMBING, MECHANICAL AND ELECTRICAL

DUFRESNE-HENRY, INC.
Precision Park
North Springfield, VT 05150-0029
(802) 886-2261

PLUMBING

P1.1	PLUMBING LEGEND, SCHEDULES, AND DETAILS
P2.1	DOMESTIC WATER PIPING PLAN
P2.2	WASTE AND VENT PIPING PLAN

MECHANICAL

M1.1	MECHANICAL LEGEND, SCHEDULES, AND DETAILS
M2.1	HVAC FIRST FLOOR PLAN
M2.2	HVAC ATTIC PLAN
M3.1	RAD/ANT HEAT PIPING PLAN
M3.2	PIPING PLAN

ELECTRICAL

E0.1	ELECTRICAL LEGEND, NOTES, AND FIXTURE SCHEDULE
E1.1	LIGHTING PLAN
E2.1	POWER, TELEPHONE, AND FIRE ALARM PLAN
E3.1	UNFINISHED ATTIC LIGHTING, POWER, AND FIRE ALARM PLAN, AND SPECIAL SYSTEMS DIAGRAMS
E4.1	ELECTRICAL DETAILS
E4.2	SPECIAL SYSTEMS DIAGRAMS AND MISC. DETAILS
E5.1	SITE LIGHTING PLAN AND DETAILS
E5.2	SITE LIGHTING PLAN

REGISTERED ARCHITECT
MICHAEL D. BROWN
STATE OF VERMONT

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Precision Park
North Springfield VT 05150-0029
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT# STM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE:	01/07/2002
SCALE:	N.T.S.
CHECKED:	HS
PROJECT NO:	3008

SHEET LIST

G1.0

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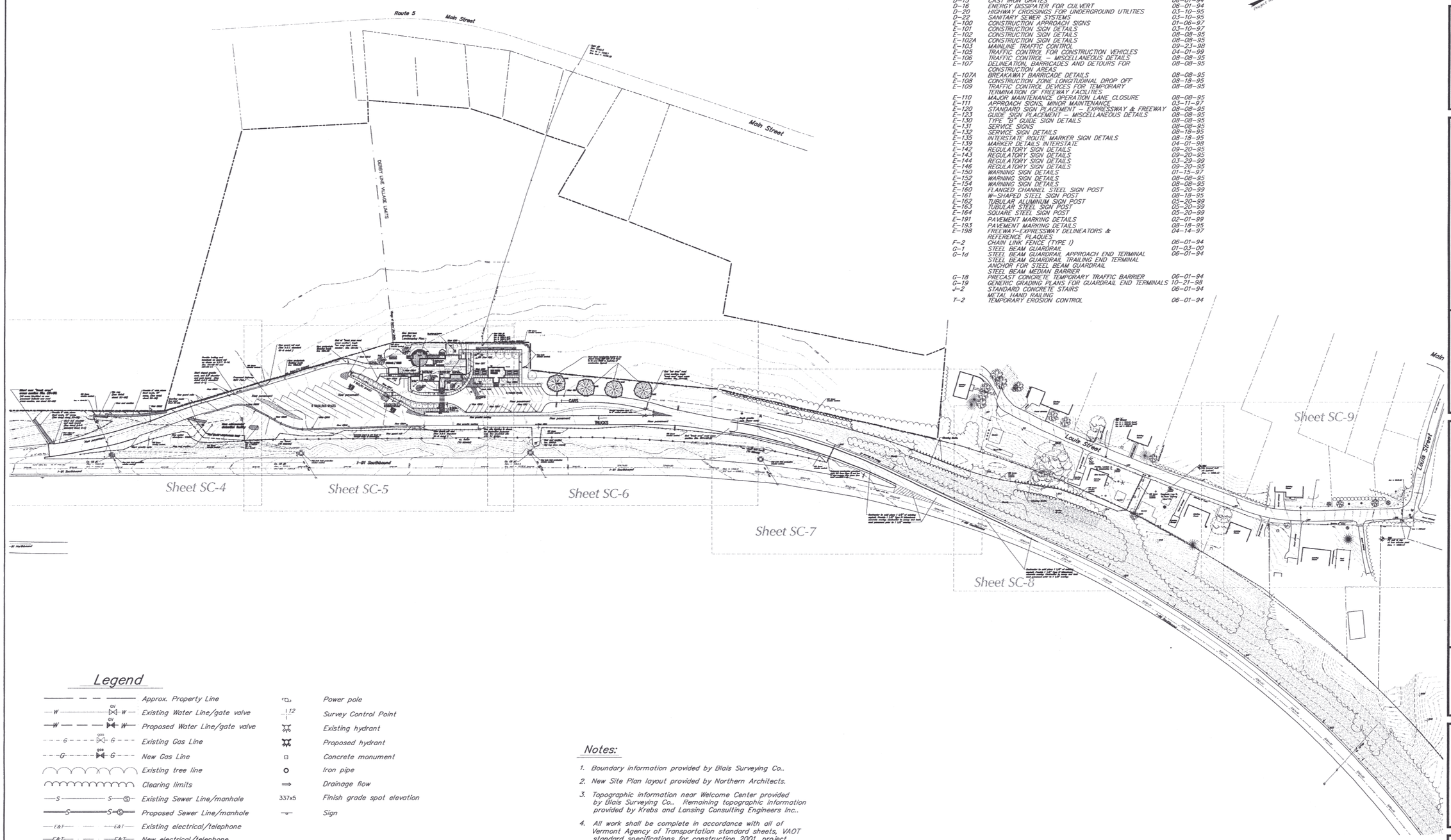
VAOT STANDARD SHEETS

B-5	EMBANKMENT ON EARTH SLOPE	06-01-94
C-1	VERTICAL GRANITE CURBING GRANITE SLOPE EDGING	01-03-00
C-2A	PORTLAND CEMENT CONCRETE SIDEWALK	01-03-00
C-2B	PORTLAND CEMENT CONCRETE SIDEWALK	01-03-00
C-3	SIDEWALK RAMPS	01-03-00
D-2	CEMENT RUBBLE MASONRY WALLS & RETAINING WALL RIP RAP LIGHT TYPE SLOPE HEADWALL REINFORCED CONCRETE HEADWALL UNDERDRAIN & CARRIER PIPE CONSTRUCTION DETAILS	06-01-94
D-3	TREATED GUTTERS	06-01-94
D-4	EXTENSION SERVICE BOX AND CURB STOP CORRUGATED STEEL PIPE END SECTION GRANULAR MATERIAL AT CULVERT LOCATION	06-01-94
D-15	CAST IRON GRATES	06-01-94
D-16	ENERGY DISSIPATER FOR CULVERT	06-01-94
D-20	HIGHWAY CROSSINGS FOR UNDERGROUND UTILITIES	03-10-95
D-22	SANITARY SEWER SYSTEMS	03-10-95
E-100	CONSTRUCTION APPROACH SIGNS	01-06-97
E-101	CONSTRUCTION SIGN DETAILS	03-10-97
E-102	CONSTRUCTION SIGN DETAILS	08-08-95
E-102A	CONSTRUCTION SIGN DETAILS	08-08-95
E-103	MAINLINE TRAFFIC CONTROL	09-23-98
E-105	TRAFFIC CONTROL FOR CONSTRUCTION VEHICLES	04-01-99
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	08-08-95
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	08-08-95
E-107A	BREAKAWAY BARRICADE DETAILS	08-08-95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFF	08-18-95
E-109	TRAFFIC CONTROL DEVICES FOR TEMPORARY TERMINATION OF FREEWAY FACILITIES	08-08-95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08-08-95
E-111	APPROACH SIGNS, MINOR MAINTENANCE	03-11-97
E-120	STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY	08-08-95
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	08-08-95
E-130	TYPE "B" GUIDE SIGN DETAILS	08-08-95
E-131	SERVICE SIGNS	08-08-95
E-132	SERVICE SIGN DETAILS	08-18-95
E-135	INTERSTATE ROUTE MARKER SIGN DETAILS	08-18-95
E-139	MARKER DETAILS INTERSTATE	04-01-98
E-142	REGULATORY SIGN DETAILS	09-20-95
E-143	REGULATORY SIGN DETAILS	09-20-95
E-144	REGULATORY SIGN DETAILS	03-29-99
E-146	REGULATORY SIGN DETAILS	09-20-95
E-150	WARNING SIGN DETAILS	01-15-97
E-152	WARNING SIGN DETAILS	08-08-95
E-154	WARNING SIGN DETAILS	08-08-95
E-160	FLANGED CHANNEL STEEL SIGN POST	05-20-99
E-161	W-SHAPED STEEL SIGN POST	08-18-95
E-162	TUBULAR ALUMINUM SIGN POST	05-20-99
E-163	TUBULAR STEEL SIGN POST	05-20-99
E-164	SQUARE STEEL SIGN POST	05-20-99
E-191	PAVEMENT MARKING DETAILS	02-01-99
E-193	PAVEMENT MARKING DETAILS	08-18-95
E-198	FREEWAY-EXPRESSWAY DELINEATORS & REFERENCE PLAQUES	04-14-97
F-2	CHAIN LINK FENCE (TYPE I)	06-01-94
G-1	STEEL BEAM GUARDRAIL	01-03-00
G-1d	STEEL BEAM GUARDRAIL APPROACH END TERMINAL STEEL BEAM GUARDRAIL TRAILING END TERMINAL ANCHOR FOR STEEL BEAM GUARDRAIL STEEL BEAM MEDIAN BARRIER	06-01-94
G-18	PRECAST CONCRETE TEMPORARY TRAFFIC BARRIER	06-01-94
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	10-21-98
J-2	STANDARD CONCRETE STAIRS METAL HAND RAILING	06-01-94
T-2	TEMPORARY EROSION CONTROL	06-01-94



Legend

- Approx. Property Line
- Existing Water Line/gate valve
- Proposed Water Line/gate valve
- Existing Gas Line
- New Gas Line
- Existing tree line
- Clearing limits
- Existing Sewer Line/manhole
- Proposed Sewer Line/manhole
- Existing electrical/telephone
- New electrical/telephone
- Existing Storm Line/catch basin
- Proposed Storm Line/catch basin
- Existing Contour
- Proposed Contour
- Power pole
- Survey Control Point
- Existing hydrant
- Proposed hydrant
- Concrete monument
- Iron pipe
- Drainage flow
- 337x5 Finish grade spot elevation
- Sign

Notes:

1. Boundary information provided by Blais Surveying Co..
2. New Site Plan layout provided by Northern Architects.
3. Topographic information near Welcome Center provided by Blais Surveying Co.. Remaining topographic information provided by Krebs and Lansing Consulting Engineers Inc..
4. All work shall be complete in accordance with all of Vermont Agency of Transportation standard sheets, VAOT standard specifications for construction 2001, project drawings and specifications. In case of conflict, the more stringent specification shall apply as determined by the Engineer.

0' 50' 100' 200' 300' 400' 500'

Bar Scale 1" = 100'

STATE OF VERMONT
WILLIAM H. KEARNS
NO. 5703
REGISTERED PROFESSIONAL ENGINEER

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PLUMBING, MECHANICAL AND ELECTRICAL
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: x 1" = 100'
CHECKED:
PROJECT NO:

OVERALL SITE PLAN

SC-1

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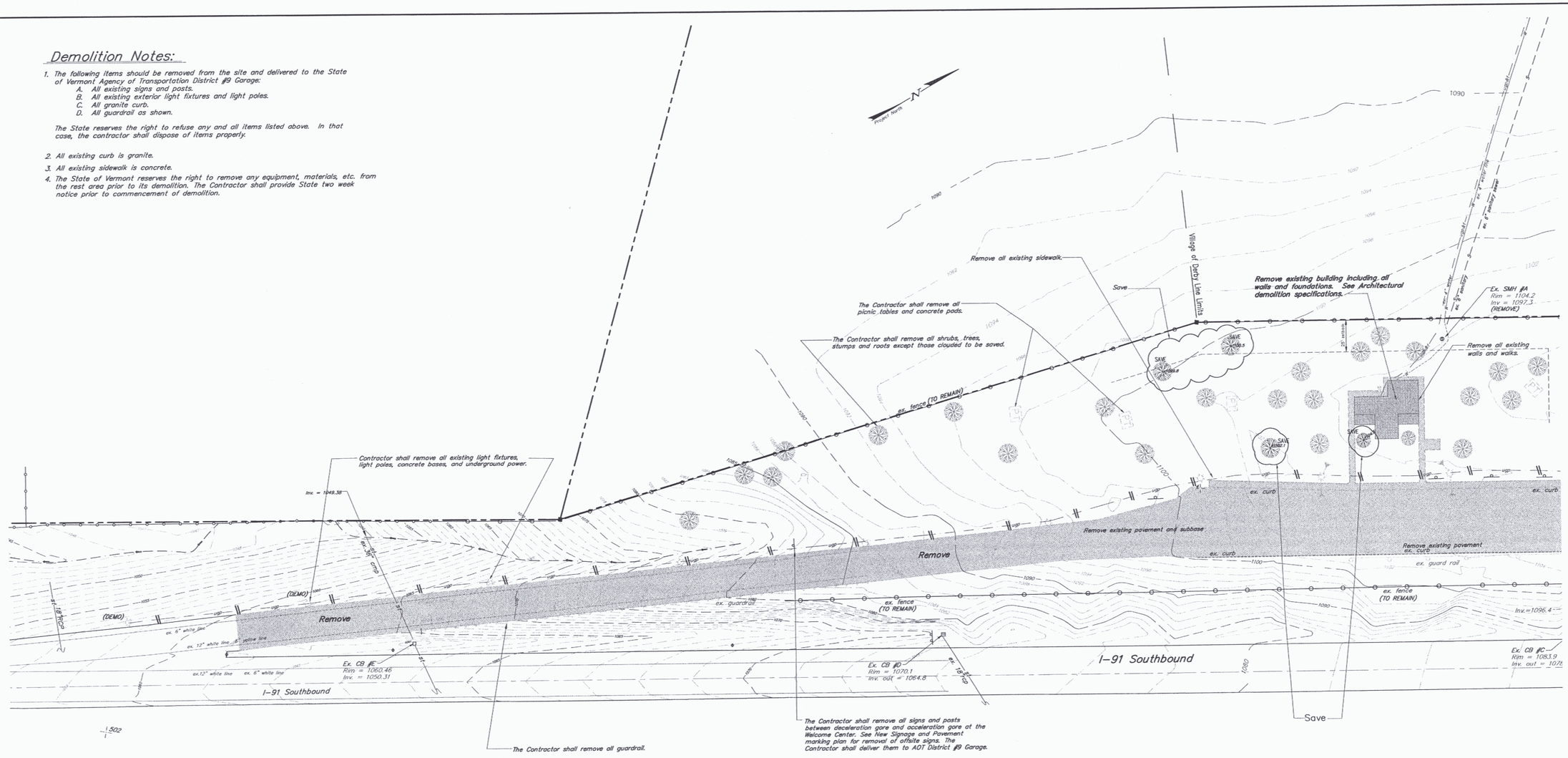
Demolition Notes:

1. The following items should be removed from the site and delivered to the State of Vermont Agency of Transportation District #9 Garage:
   - A. All existing signs and posts.
   - B. All existing exterior light fixtures and light poles.
   - C. All granite curb.
   - D. All guardrail as shown.

   The State reserves the right to refuse any and all items listed above. In that case, the contractor shall dispose of items properly.

2. All existing curb is granite.
3. All existing sidewalk is concrete.
4. The State of Vermont reserves the right to remove any equipment, materials, etc. from the rest area prior to its demolition. The Contractor shall provide State two week notice prior to commencement of demolition.



Match Line See Sheet SC-3

I-91 Northbound

Legend

- Approx. Property Line
- Existing Water Line/gate valve
- Proposed Water Line/gate valve
- Existing Gas Line
- New Gas Line
- Existing tree line
- Clearing limits
- Existing Sewer Line/manhole
- Proposed Sewer Line/manhole
- Existing electrical/telephone
- New electrical/telephone
- Existing Storm Line/catch basin
- Proposed Storm Line/catch basin
- Existing Contour
- Proposed Contour
- Power pole
- Survey Control Point
- Existing hydrant
- Proposed hydrant
- Concrete monument
- Iron pipe
- Drainage flow
- 337x5 Finish grade spot elevation
- Sign

0' 20' 40' 80' 160' 240'

Bar Scale 1" = 40'

NORTHERN ARCHITECTS
207 KING STREET
SUITE 3
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05401-4502
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MECHANICAL/ELECTRICAL
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NORTH SPRINGFIELD, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: x 1' = 40'
CHECKED:
PROJECT NO:

EXISTING CONDITIONS & CIVIL SITE DEMOLITION PLAN

SC-2

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Match Line See Sheet SC-2

The Contractor shall remove all picnic tables and concrete pads.

Save

Ex. CB #A
Rim = 1102.1
Inv. out = 1098.1

TBM
NW Light Base
Elev. = 1106.65'

Do Not Disturb

BENCHMARK – PLAQUE STAMPED
DERBY ELEM AZ 1994"
ELEVATION = 1113.5

Contractor shall cut and remove existing dead trees.

Existing guardrail to remain.

Contractor shall remove all existing light fixtures, light poles, concrete bases, and underground power.

ex. curb

Remove existing storm line.

Remove existing pavement and subbase

Remove

(DEMO) ex. light

Clearing limits.

Existing House

Existing House

Paved driveway

Garden

Wood Pile

Woods

Woods

Clearing limits.

Existing tree row

ex. chain link fence (TO REMAIN)

ex. clearing (to remain)

Ex. CB #C
Rim = 1083.9
Inv. out = 1078.8

Inv.=1096.4

Ex. CB #B
Rim = 1100.8
Inv. out = 1096.2

I-91 Southbound

I-89 Southbound

Overlay

Contractor to cold plane 1 1/2" of existing asphalt.

Contractor to cold plane 1 1/2" of existing asphalt.

The Contractor shall remove all signs and posts between acceleration gore and deceleration gore in the Welcome Center. See New Signage and Pavement Markings plan for removal of offsite signs. The Contractor shall deliver them to AOT District #9 Garage.

0' 20' 40' 80' 160' 240'

Bar Scale 1" = 40'

STATE OF VERMONT
H. WILLIAM NORTHERN III
NO. 5769
REGISTERED PROFESSIONAL ENGINEER

NORTHERN ARCHITECTS
207 KING STREET
SUITE 3
BURLINGTON, VERMONT
05401-4502

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NORTH SPRINGFIELD, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: × 1" = 40'
CHECKED:
PROJECT NO:

EXISTING CONDITIONS & CIVIL SITE DEMOLITION PLAN

SC-3

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Catch Basin Schedule (For sheet SC-4)

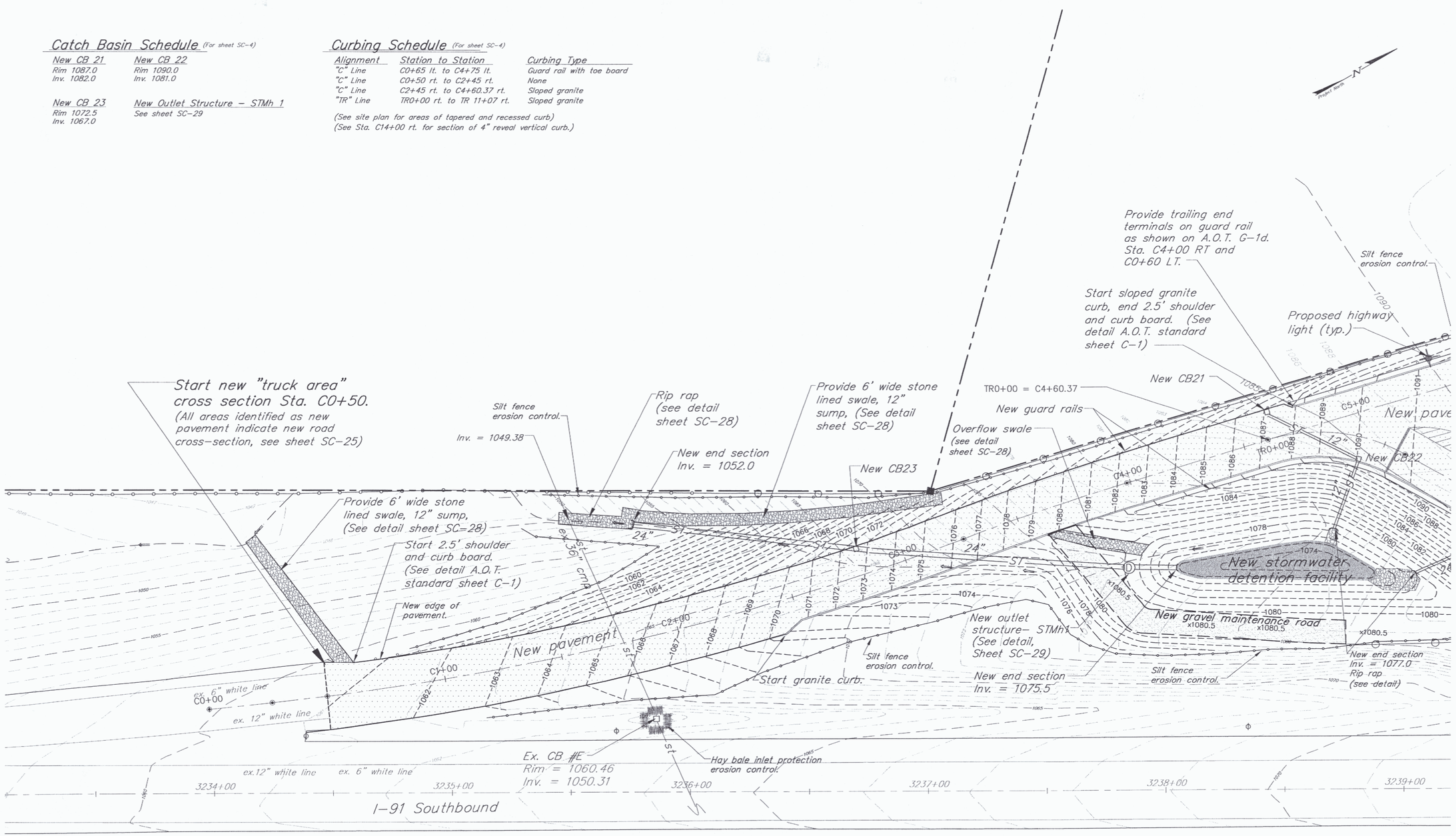
New CB 21	New CB 22
Rim 1087.0	Rim 1090.0
Inv. 1082.0	Inv. 1081.0

New CB 23	New Outlet Structure – STMh 1
Rim 1072.5	See sheet SC-29
Inv. 1067.0	

Curbing Schedule (For sheet SC-4)

Alignment	Station to Station	Curbing Type
"C" Line	C0+65 lt. to C4+75 lt.	Guard rail with toe board
"C" Line	C0+50 rt. to C2+45 rt.	None
"C" Line	C2+45 rt. to C4+60.37 rt.	Sloped granite
"TR" Line	TR0+00 rt. to TR 11+07 rt.	Sloped granite

(See site plan for areas of tapered and recessed curb)
(See Sta. C14+00 rt. for section of 4" reveal vertical curb.)



Legend

- Approx. Property Line
- Existing Water Line/gate valve
- Proposed Water Line/gate valve
- Existing tree line
- Clearing limits
- Existing Sewer Line/manhole
- Proposed Sewer Line/manhole
- Existing electrical/telephone
- New electrical/telephone
- Existing Storm Line/catch basin
- Proposed Storm Line/catch basin
- Existing Contour
- Proposed Contour
- Power pole
- Survey Control Point
- Existing hydrant
- Proposed hydrant
- Drainage flow
- Finish grade spot elevation (337x5)
- Sign
- Ex. light

Notes:

1. Site lighting is shown for illustrative purposes only. See electrical drawings for design and specifications.
2. See Landscape drawings for building drip edge detail.
3. See Architectural drawings for all handrail design and details.
4. See Architectural drawings for landscape wall details and specifications.
5. All storm piping shall be ADS-N12 or approved equal, unless otherwise noted.

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

STATE OF VERMONT
NO. 5703
REGISTERED PROFESSIONAL ENGINEER

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: x 1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-4

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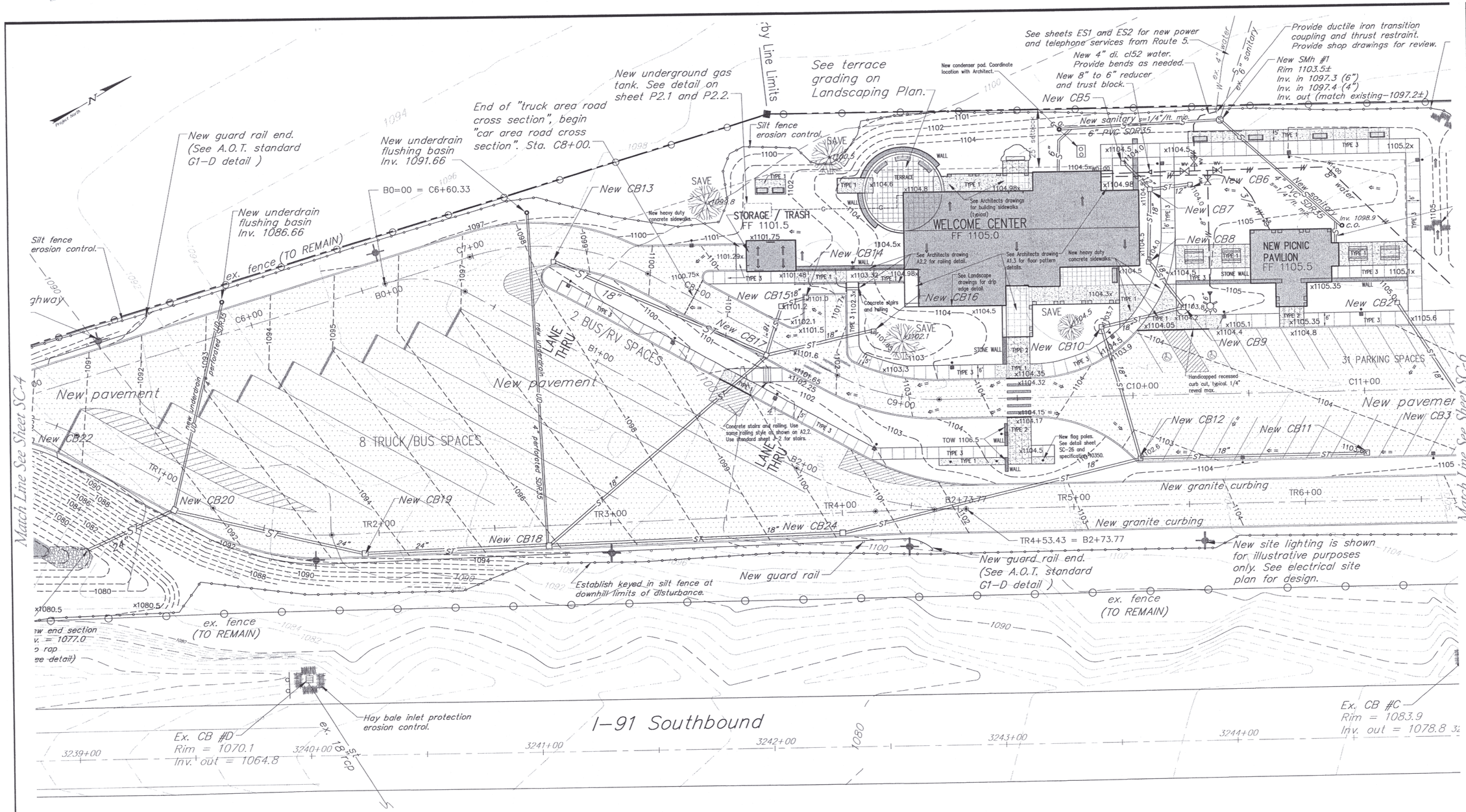

Catch Basin Schedule (For sheet SC-5)

New CB 5 Rim 1104.0 Inv. 1098.5	**New CB 6** Rim 1104.0 Inv. 1098.5	**New CB 7** Rim 1104.0 Inv. 1098.3	**New CB 8** Rim 1104.0 Inv. 1098.0
New CB 9 Rim 1103.8 Inv. 1097.7	**New CB 10** Rim 1103.7 Inv. 1097.3	**New CB 11** Rim 1103.6 Inv. 1098.0	**New CB 12** Rim 1102.9 Inv. 1096.7
New CB 13 Rim 1098.3 Inv. 1092.8	**New CB 14** Rim 1101.0 Inv. 1095.5	**New CB 15** Rim 1101.2 Inv. 1095.3	**New CB 16** Rim 1101.65 Inv. 1096.15
New CB 17 Rim 1101.5 Inv. 1091.8 (CB 13) Inv. in 1095.0 Inv. out 1091.8	**New CB 18** Rim 1095.80 Inv. 1089.26 (UD) Inv. 1087.2	**New CB 19** Rim 1093.5 Inv. 1086.4	**New CB 20** Rim 1091.60 Inv. 1085.06 (UD) Inv. 1083.0
New CB 24 Rim 1100.1 Inv. 1094.6			

Curbing Schedule (For sheet SC-5)

Alignment	Station to Station	Curbing Type
"C" Line	C4+75 lt. to C7+00 lt.	Sloped granite
"C" Line	C7+00 lt. to C14+25 lt.	Vertical granite
"C" Line	C7+30 rt. to C14+25 rt.	Vertical granite
"TR" Line	TR0+00 rt. to TR 11+07 rt.	Sloped granite
"B" Line	B0+50 lt. to B2+73.77 lt.	Vertical granite
"TR" Line	TR4+53 lt. to TR 9+45 lt.	Vertical granite

(See site plan for areas of tapered and recessed curb)
(See Sta. C14+00 rt. for section of 4" reveal vertical curb.)

Concrete Sidewalk Surface Treatment Legend

TYPE 1	Type 1 Exposed aggregate
TYPE 2	Type 2 Patterned concrete with color (See Architects drawings and specifications)
TYPE 3	Type 3 Broom finish / Trowel joint

(See details and specification for more detail)

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

See Notes Sheet SC-4.
See Legend Sheet SC-4.

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JOHN H. KING JR.
1340
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PROFESSIONAL ENGINEER

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: = 1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-5

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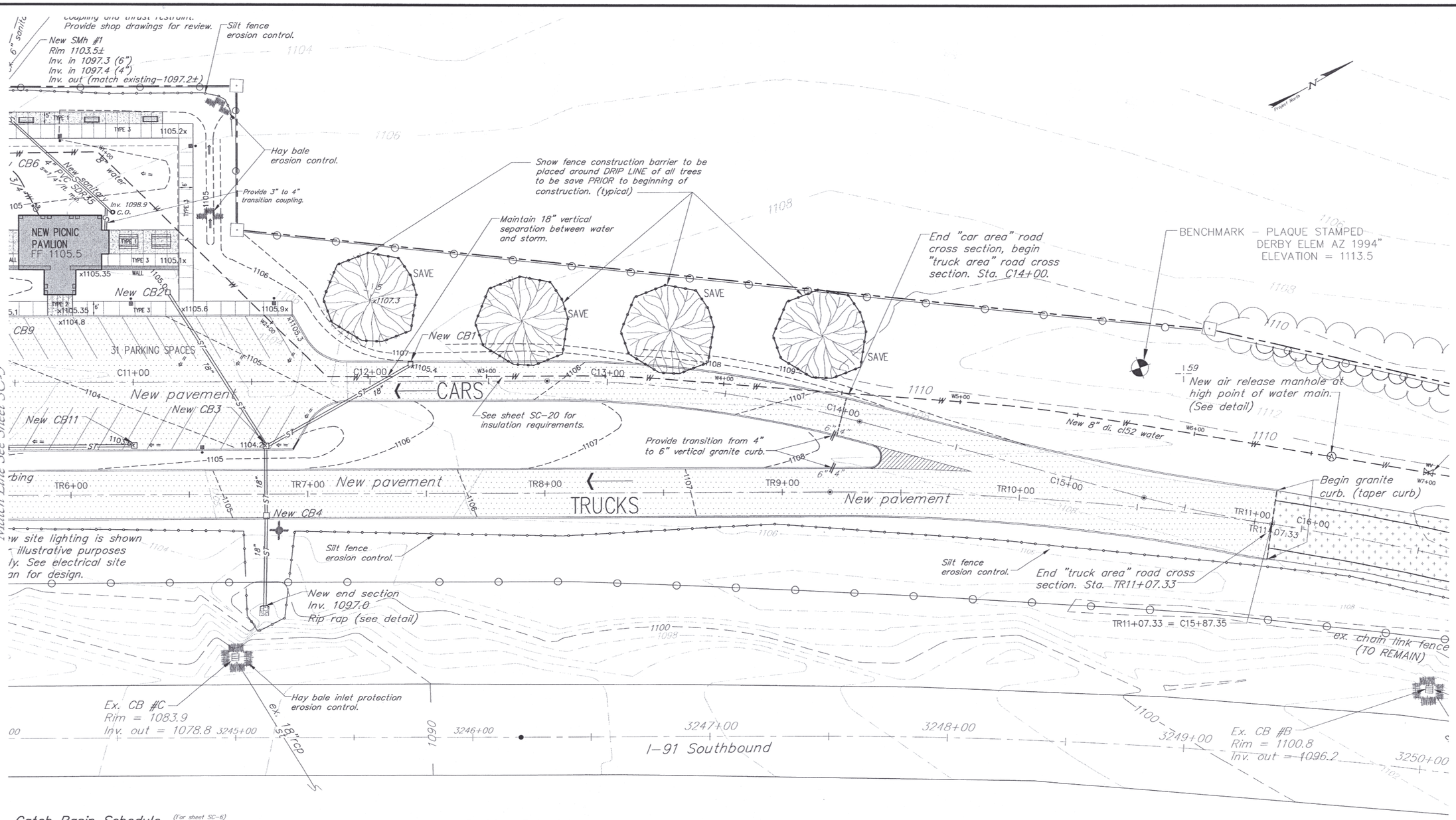

Catch Basin Schedule (For sheet SC–6)

New CB 1
Rim 1105.4
Inv. 1099.4

New CB 2
Rim 1105.0
Inv. 1099.0

New CB 3
Rim 1104.2
Inv. 1098.0

New CB 4
Rim 1105.2
Inv. 1097.7

New CB 11
Rim 1103.6
Inv. 1098.0

Curbing Schedule (For sheet SC–6)

Alignment	Station to Station	Curbing Type
"C" Line	C7+00 lt. to C14+25 lt.	Vertical granite
"C" Line	C14+25 lt. to C15+87 lt.	Sloped granite
"C" Line	C7+30 rt. to C14+25 rt.	Vertical granite
"TR" Line	TR4+53 lt. to TR9+45 lt.	Vertical granite
"TR" Line	TR 0+00 rt. to TR11+07 rt.	Sloped granite

(See site plan for areas of tapered and recessed curb)
(See Sta. C14+00 rt. for section of 4" reveal vertical curb.)

Concrete Sidewalk Surface Treatment Legend

TYPE 1	Type 1 Exposed aggregate
TYPE 2	Type 2 Patterned concrete with color (See Architects drawings and specifications)
TYPE 3	Type 3 Broom finish / Trowel joint

(See details and specification for more detail)

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

See Notes Sheet SC–4.
See Legend Sheet SC–4.

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: ×1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-6

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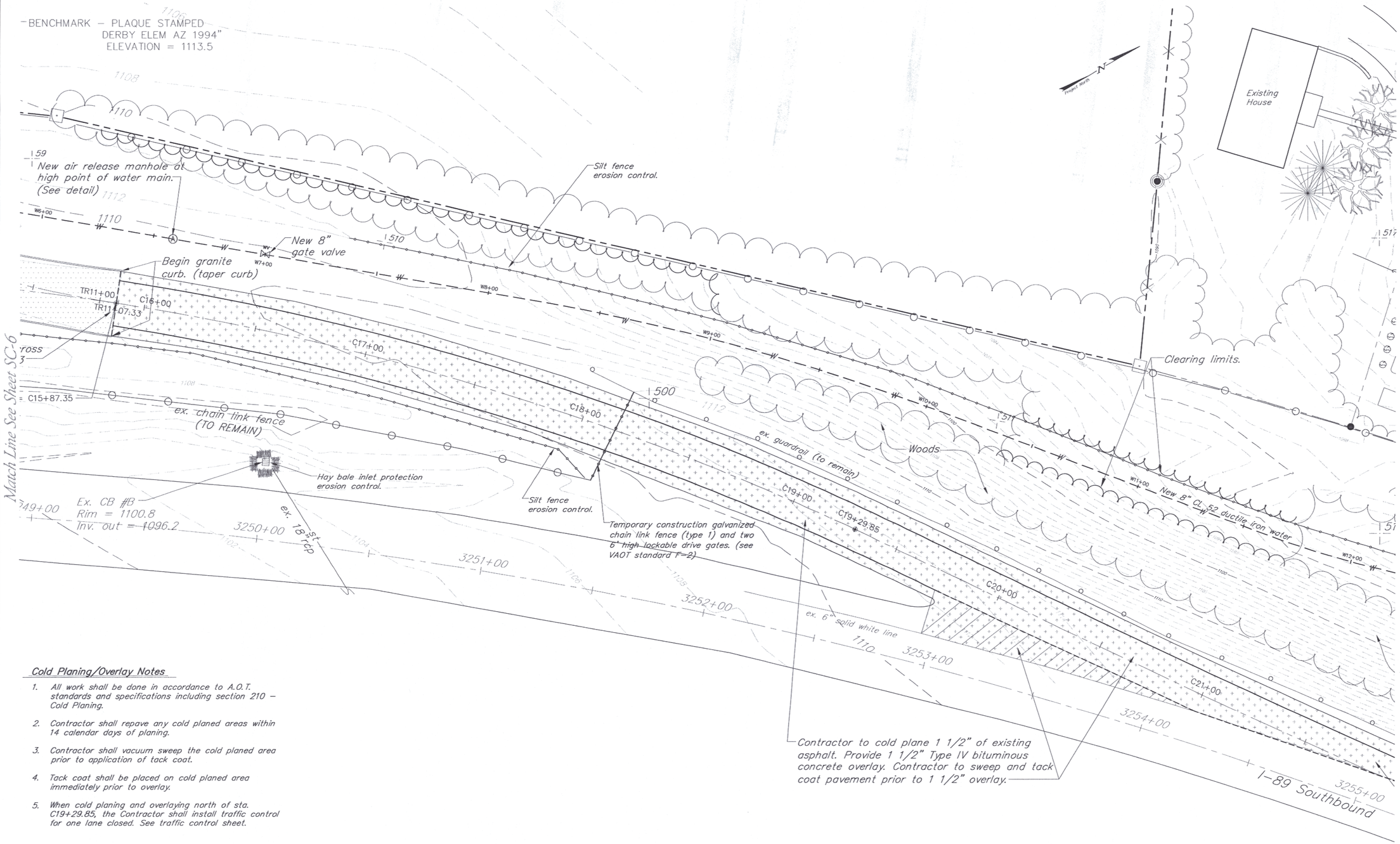

Cold Planing/Overlay Notes

1. All work shall be done in accordance to A.O.T. standards and specifications including section 210 – Cold Planing.
2. Contractor shall repave any cold planed areas within 14 calendar days of planing.
3. Contractor shall vacuum sweep the cold planed area prior to application of tack coat.
4. Tack coat shall be placed on cold planed area immediately prior to overlay.
5. When cold planing and overlaying north of sta. C19+29.85, the Contractor shall install traffic control for one lane closed. See traffic control sheet.

See Notes Sheet SC–4.
See Legend Sheet SC–4.

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: x 1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-7

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xref = derby2001.dwg

R.O.W PLANS -SHEET #1

Match Line See Sheet SC-7

Match Line See Sheet SC-9

Louis Street

Paved driveway

Gravel driveway

Stub

Garden

Wood Pile

Telephone pedestal

Plant holder

Paved driveway

Existing Garage

Fortin, Lucien J. & Jeannette T.

Bird feeders

Existing House

Contractor to remove and reset trees. (T)

Silt fence erosion control.

Woods

Clearing limits.

Existing rip rap

SMH "A"
Rim 1070.83
Inv. in = 1066.53 (east)
Inv. in = 1066.58 (west)
Inv. out = 1066.48

Existing House

Paved walkway

Approximate Property Line

END R. O. W. PROJECT
IM 091-3(8)
STA. 16+27, 5.5' LT.

Maintain 18" vertical separation between sewer line and new water line

New 8" gate valve

Approximate location of existing water main/services. Contact Dig Safe prior to any excavation.

TBM
Nly bonnet bolt on hydrant
Elev. = 1059.43

Maintain 10 ft minimum separation between sewer line and new water line

Sawcut existing pavement. Repair subbase and pavement to existing conditions. (typ.)

New 8" ductile iron water

Approximate location of existing 6" Sewer Line

Existing 6" water

New 20 ft. water easement to the State of Vermont centered on the as-built location of the water main.

INSTALL (T)

INSTALL+MAINT (P) New 8" water

Silt fence erosion control.

Degesse, Leo R. & Jean Carey

Wood Pile

Garden

Apple

Erect snow fence barrier to protect garden.

Paved driveway

Existing House

Existing Garage

45° bends with thrust blocks and mega-lugs. (typ.)

BEGIN R. O. W.
PROJECT IM 091-3(8)
STA. 15+45 6.5' RT.
(See detail sheet SC-32 for R. O. W. Project IM 091-3 (8))

Length of R. O. W. PROJECT - 82' feet

I-89 Southbound

3255+00

3256+00

3257+00

ex. 6" solid white line

52 ductile iron water

New 8" CL 52 ductile iron water

Contractor to cold plane 1 1/2" of existing asphalt. Provide 1 1/2" Type IV bituminous concrete overlay. Contractor to sweep and tack coat pavement prior to 1 1/2" overlay.

517 516 515 514 513 512 600

Notes:

1. Tone existing water services prior to blasting. Temporarily turn off water services that may be impacted during a blast. Notify residents of possible water outage and blasting 48 hours in advance. Contractor to have all repair equipment and parts on site to immediately restore any damaged water service.
2. See rock and boulder removal specification for video requirements of existing sanitary line.
3. Maintain at least one lane of Louis Street open at all times.

Cold Planing/Overlay Notes

1. All work shall be done in accordance to A.O.T. standards and specifications including section 210 – Cold Planing.
2. Contractor shall repave any cold planed areas within 14 calendar days of planing.
3. Contractor shall vacuum sweep the cold planed area prior to application of tack coat.
4. Tack coat shall be placed on cold planed area immediately prior to overlay.
5. When cold planing and overlaying north of sta. C19+29.85, the Contractor shall install traffic control for one lane closed. See traffic control sheet.

Traffic Notes:

1. All signs designated as FIXED shall remain in place through the entire project duration.
2. All signs to be removed or covered when not needed.
3. Contractor to submit traffic control plan for blasting. Signage to conform to MUTCD and Standard Sheet E-102.
4. Contractor to submit traffic control plan for Louis Street. Signage to conform with MUTCD.

DISCLAIMER

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

See Notes Sheet SC-4.
See Legend Sheet SC-4.
See ROW Legend Sheet SC-32.

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

ROW SHEET 1 OF 2 - LAYOUT

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802-886-2261

REVISIONS
1/28/02 – LINE TYPES
2/28/02 – names, tree note

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: × 1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-8

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ance.
ent
store

cation for
y line.

Street

JECT

5' LT.

Approximate location of existing water main/services. Contact Dig Safe prior to any excavation.

TBM
Nly bonnet bolt on hydrant
Elev. = 1059.43

Match Line See Sheet SC-8

Maintain 10 ft minimum separation between sewer line and new water line

Approximate location of existing 6" Sewer Line

isting 6" water

10ft.

W18+00

W19+00

W20+00

W21+00

W22+00

New 8" ductile iron water

The contractor shall mega-lug and thrust block all bends.

Existing House

Paved driveway

See water main profile Sheet SC-20, 21 and 22.

Sawcut existing pavement. Repair subbase and pavement to existing conditions. (typ.)

Maintain 10 ft. separation between sewer line and new water line

Sawcut existing pavement. Repair subbase and pavement to existing conditions. (typ.)

Inv. = 1045.28

Maintain 18" separation between storm line and new water line

Louis Street

8"x 8" tapping sleeve and valve with thrust block.

SMH "B"
Rim 1055.90
Inv. in = 1050.20
Inv. out = 1049.90

10' min

12" CMP

Approximate location of existing 6" Sewer Line

Existing 6" water

Paved driveway

Inv. = 1054.23

TBM
PK nail in top of iron witness post
Elev. = 1059.43

Gravel driveway

Existing House

Pool Area

Existing House

Project North

Notes:

1. Tone existing water services prior to blasting. Temporarily turn off water services that may be impacted during a blast. Notify residents of possible water outage and blasting 48 hours in advance. Contractor to have all repair equipment and parts on site to immediately restore any damaged water service.
2. See rock and boulder removal specification for video requirements of existing sanitary line.
3. Maintain at least one lane of Louis Street open at all times.

Traffic Notes:

1. All signs designated as FIXED shall remain in place through the entire project duration.
2. All signs to be removed or covered when not needed.
3. Contractor to submit traffic control plan for blasting. Signage to conform to MUTCD and Standard Sheet E-102.
4. Contractor to submit traffic control plan for Louis Street. Signage to conform with MUTCD.

See Notes Sheet SC-4.
See Legend Sheet SC-4.

0' 20' 40' 80' 120'

Bar Scale 1" = 20'

STATE OF VERMONT
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: * 1" = 20'
CHECKED:
PROJECT NO:

SITE PLAN

SC-9

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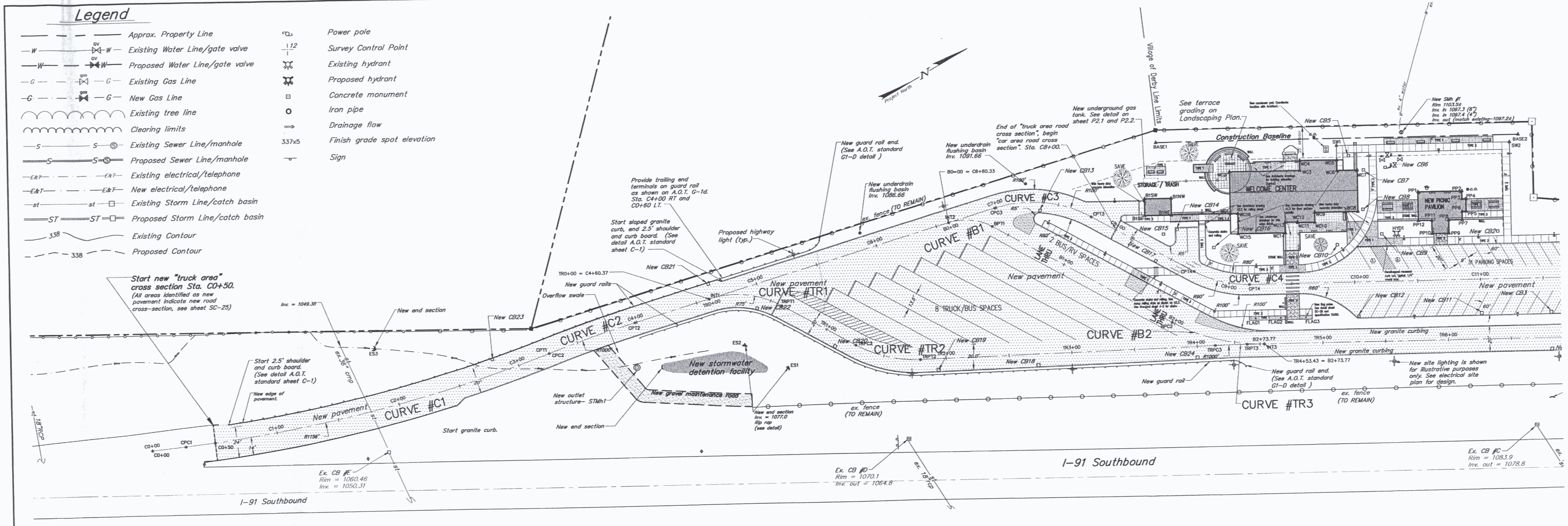


Coordinate Layout Data:

POINT NAME	NORTHING	EASTING	DESCRIPTION
C0+00	6592.58	6223.39	beginning C – Line
CPC1	6618.46	6229.88	begin horizontal curve #C1
C0+50	6641.11	6235.31	center line station
CPT1	6914.75	6264.48	end horizontal curve #C1
CPC2	6914.75	6264.48	begin horizontal curve #C2
CPT2	6987.39	6266.17	end horizontal curve #C2
INT1	7049.15	6269.85	begin truck lane, begin horizontal curve #TR1
INT2	7248.76	6281.75	begin bus lane, begin horizontal curve #B1
CPC3	7286.98	6284.03	begin horizontal curve #C3
CPT3	7356.30	6318.02	end horizontal curve #C3
CPC4	7417.26	6387.71	begin horizontal curve #C4
CPT4	7454.59	6413.16	end horizontal curve #C4
CPC5	7792.01	6534.34	begin horizontal curve #C5
CPT5	7909.92	6595.41	end horizontal curve #C5
CPC6	8011.74	6666.75	begin horizontal curve #C6
CPT6	8058.59	6695.85	end horizontal curve #C6
C-END	8331.67	6900.65	end C-line
TRPT1	7101.14	6295.34	end horizontal curve #TR1
TRPC2	7145.17	6345.68	begin horizontal curve #TR2
TRPT2	7189.04	6374.78	end horizontal curve #TR2
TRPC3	7411.86	6448.47	begin horizontal curve #TR3
TRPT3	7435.86	6456.75	end horizontal curve #TR3
INT3	7448.81	6461.40	end bus lane, end horizontal curve #B2
TRPC4	7888.05	6619.13	begin horizontal curve #TR4
BPT1	7279.95	6297.04	end horizontal curve #B1
BPC2	7386.60	6418.98	begin horizontal curve #B2
B1SE	7396.48	6332.30	south east corner concrete storage bld.
B1SW	7401.01	6319.85	south west corner concrete storage bld.
B1NW	7420.98	6327.12	north west corner concrete storage bld.
B1NE	7416.45	6339.57	north east corner concrete storage bld.
WC1	7460.45	6355.36	corner concrete Welcome Center bld.
WC2	7471.75	6324.32	corner concrete Welcome Center bld.
WC3	7524.37	6343.47	corner concrete Welcome Center bld.
WC4	7527.11	6335.95	corner concrete Welcome Center bld.
WC5	7554.91	6346.07	corner concrete Welcome Center bld.
WC6	7552.01	6354.02	corner concrete Welcome Center bld.
WC7	7567.21	6359.55	corner concrete Welcome Center bld.
WC8	7555.99	6390.36	corner concrete Welcome Center bld.
WC9	7523.57	6378.56	corner concrete Welcome Center bld.
WC10	7520.84	6386.08	corner concrete Welcome Center bld.
WC11	7507.95	6381.39	corner concrete Welcome Center bld.
WC12	7508.11	6380.96	corner concrete Welcome Center bld.
WC13	7498.87	6377.60	corner concrete Welcome Center bld.
WC14	7495.98	6385.54	corner concrete Welcome Center bld.
WC15	7460.54	6372.65	corner concrete Welcome Center bld.
WC16	7466.02	6357.61	corner concrete Welcome Center bld.
FLAG1	7449.67	6439.97	new flag pole
FLAG2	7468.46	6446.81	new flag pole
FLAG3	7487.29	6453.56	new flag pole

See sheet SC-11 for horizontal curve data.

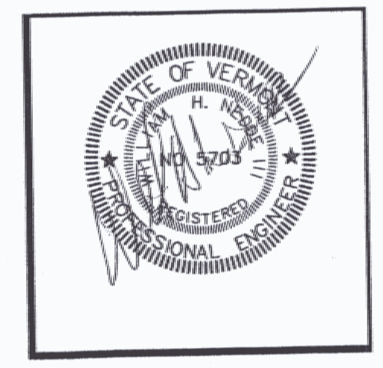
POINT NAME	NORTHING	EASTING	DESCRIPTION
PP1	7605.99	6392.99	corner concrete picnic pavilion
PP2	7638.87	6404.96	corner concrete picnic pavilion
PP3	7636.76	6410.75	corner concrete picnic pavilion
PP4	7639.70	6411.82	corner concrete picnic pavilion
PP5	7636.28	6421.22	corner concrete picnic pavilion
PP6	7633.34	6420.15	corner concrete picnic pavilion
PP7	7631.06	6426.41	corner concrete picnic pavilion
PP8	7620.88	6422.71	corner concrete picnic pavilion
PP9	7617.35	6432.42	corner concrete picnic pavilion
PP10	7604.82	6427.86	corner concrete picnic pavilion
PP11	7608.35	6418.15	corner concrete picnic pavilion
PP12	7598.17	6414.44	corner concrete picnic pavilion
SMH1	7610.75	6343.84	new sanitary manhole
HYD1	7578.47	6417.43	new fire hydrant
CB1	7063.54	6281.15	new catch basin (centerline of grate)
CB2	7129.24	6340.67	new catch basin (centerline of grate)
CB3	7199.68	6387.51	new catch basin (centerline of grate)
CB4	7275.03	6412.47	new catch basin (centerline of grate)
CB5	7391.84	6368.72	new catch basin (centerline of grate)
CB6	7320.12	6298.86	new catch basin (centerline of grate)
CB7	7405.25	6351.45	new catch basin (centerline of grate)
CB8	7416.58	6351.88	new catch basin (centerline of grate)
CB9	7438.53	6375.69	new catch basin (centerline of grate)
CB10	7527.11	6467.81	new catch basin (centerline of grate)
CB11	7531.30	6408.91	new catch basin (centerline of grate)
CB12	7599.21	6368.58	new catch basin (centerline of grate)
CB13	7565.77	6350.15	new catch basin (centerline of grate)
CB14	7619.17	6500.50	new catch basin (centerline of grate)
CB15	7661.42	6547.41	new catch basin (centerline of grate)
CB16	7671.24	6519.65	new catch basin (centerline of grate)
CB17	7740.31	6507.99	new catch basin (centerline of grate)
STMH1	6959.51	6296.03	new stormwater manhole
ES1	7084.48	6348.04	new end section
ES2	7062.55	6314.13	new end section
ES3	6786.42	6211.45	new end section
ES4	7645.75	6588.60	new end section
SW1	7558.85	6335.32	corner sidewalk
SW2	7688.27	6382.05	corner sidewalk

Notes:

1. Engineer will provide coordinates for twenty additional project points to be chosen by the site contractor.
2. Verify all coordinate information with Engineer prior to use.

Bar Scale 0' 20' 40' 80' 160' 240' 1" = 40'

POINT NAME	NORTHING	EASTING	DESCRIPTION
BASE1	7425.33	6281.35	Southerly Construction Baseline
BASE2	7696.88	6378.87	Northerly Construction Baseline
1	5000.03	4999.99	Blais control point
2	5352.16	5542.23	Blais control point
3	6034.46	6042.98	Blais control point
4	7386.18	6394.21	K&L control point
5	7735.16	6473.84	K&L control point
8	7427.38	6267.54	Blais control point
50	7579.46	6322.18	Blais control point
52	7712.17	6369.05	Blais control point
53	7872.55	6513.73	Blais control point
54	8323.48	6686.35	Blais control point
55	8120.16	6460.75	Blais control point
56	7864.07	6095.87	Blais control point
57	7264.43	5731.47	Blais control point
58	6983.36	5837.88	Blais control point
59	8045.26	6623.44	Blais control point (nail)
60	8285.49	6891.78	Blais control point
61	7331.81	5531.50	Blais control point
64	7869.55	5736.83	Blais control point
80	7160.71	6203.63	Blais control point
81	7484.54	6291.71	Blais control point
82	7536.41	6147.77	Blais control point
83	7701.04	6207.10	Blais control point
105	8126.24	6460.86	Blais control point
106	8183.76	6359.34	Blais control point
113	7759.47	5850.02	Blais control point
114	7754.61	5861.76	Blais control point
419	7386.14	6394.20	Blais control point
478	8528.22	6711.23	Blais control point
479	8285.42	6560.20	Blais control point
480	8549.02	6716.92	Blais control point
498	8080.12	5860.53	Blais control point
500	8265.89	6815.22	K&L control point
501	7560.92	6322.46	K&L control point
502	6517.00	6272.04	k&L control point
510	8179.45	6710.78	K&L control point
511	8407.07	6876.98	K&L control point
512	8548.79	6981.76	K&L control point
513	8677.39	7080.72	K&L control point
514	8763.17	7149.26	K&L control point
515	8851.18	7252.29	K&L control point
516	8842.71	7072.83	K&L control point
517	8592.89	6858.95	K&L control point
518	9032.65	7239.10	K&L control point
519	9171.54	7321.73	K&L control point
520	9352.52	7382.56	K&L control point
600	8753.15	7299.75	K&L control point
601	8943.41	7554.28	K&L control point
602	9062.02	7767.21	K&L control point
603	9200.50	8142.94	K&L control point
604	9298.44	8125.97	K&L control point
605	9473.78	8122.48	K&L control point
606	9435.55	7940.75	K&L control point
607	9349.65	7833.22	K&L control point
608	9270.69	7823.69	K&L control point
609	9274.15	7764.95	K&L control point
800	5872.25	5983.00	K&L control point
801	5571.39	5739.66	K&L control point
802	6399.09	6154.02	K&L control point
803	5392.89	5570.30	K&L control point
2167	9335.45	8739.15	K&L control point



NORTHERN ARCHITECTS
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DUFRESNE-HENRY, INC.
54 ROUTE 106, PRECISION PARK
NORTH SPRINGFIELD, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

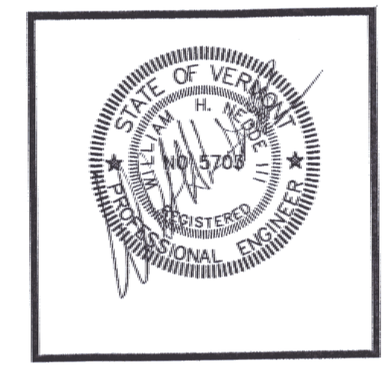
DERBY
VERMONT

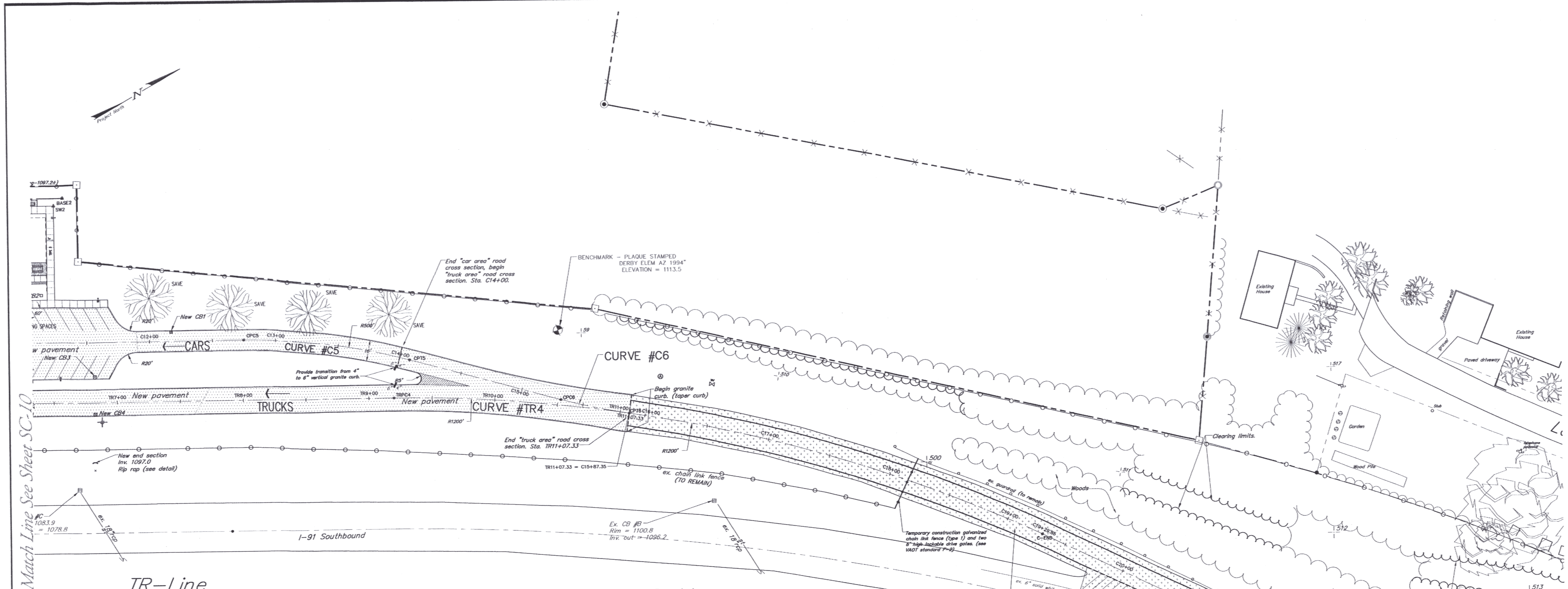
DATE: 01/07/02
SCALE: × 1" = 40'
CHECKED:
PROJECT NO:

LAYOUT PLAN

SC-10

00137 –derby2001.dwg





TR–Line

Horizontal Alignment Station and Curve Report.

Alignment: cl–truck Desc: new road truck lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00		7049.15	6269.85
		Length: 31.38	Course: N 03-24-42 E	
		Delta: 26-36-51		
		Tangent Data		
	-0+02		7047.32	6270.64
	0+00		7049.15	6269.85
		Length: 2.00	Course: N 23-12-09 W	
PI	0+31.38		7080.48	6271.72
		Length: 125.54	Course: N 48-49-30 E	
		Delta: 45-24-48		
		Circular Curve Data		
PC	0+00		7049.15	6269.85
RP			7044.69	6344.72
PT	0+59.45		7101.14	6295.34
		Delta: 45-24-48	Type: RIGHT	
		Radius: 75.00	DOC: 76-23-40	
		Length: 59.45	Tangent: 31.38	
		Mid-Ord: 5.81	External: 6.30	
		Chord: 57.90	Course: N 26-07-06 E	
		Es: 6.30		
PI	1+53.61		7163.14	6366.22
		Length: 274.67	Course: N 18-17-56 E	
		Delta: 30-31-33		
		Tangent Data		
	0+59.45		7101.14	6295.34
	1+26.32		7145.17	6345.68
		Length: 66.87	Course: N 48-49-30 E	
		Circular Curve Data		
PC	1+26.32		7145.17	6345.68
RP			7220.44	6279.84
PT	1+79.60		7189.04	6374.78
		Delta: 30-31-33	Type: LEFT	
		Radius: 100.00	DOC: 57-17-45	
		Length: 53.28	Tangent: 27.29	
		Mid-Ord: 3.53	External: 3.66	
		Chord: 52.65	Course: N 33-33-43 E	
		Es: 3.66		
PI	4+26.98		7423.91	6452.46
		Length: 586.94	Course: N 19-45-13 E	
		Delta: 1-27-16		
		Tangent Data		
	1+79.60		7189.04	6374.78
Desc.	Station	Spiral/Curve Data	Northing	Easting
	4+14.28		7411.86	6448.47
		Length: 234.69	Course: N 18-17-56 E	
		Circular Curve Data		
PC	4+14.28		7411.86	6448.47
RP			7097.88	7397.90
PT	4+39.67		7435.86	6456.75
		Delta: 01-27-16	Type: RIGHT	
		Radius: 1000.00	DOC: 05-43-46	
		Length: 25.39	Tangent: 12.69	
		Mid-Ord: 0.08	External: 0.08	
		Chord: 25.39	Course: N 19-01-35 E	
		Es: 0.08		
PI	10+13.92		7976.32	6650.83
		Length: 93.79	Course: N 28-41-29 E	
		Delta: 8-56-16		
		Tangent Data		
	4+39.67		7435.86	6456.75
	9+20.13		7888.05	6619.13
		Length: 480.46	Course: N 19-45-13 E	
		Circular Curve Data		
PC	9+20.13		7888.05	6619.13
RP			7482.48	7748.52
PT	11+07.33		8058.59	6695.85
		Delta: 08-56-16	Type: RIGHT	
		Radius: 1200.00	DOC: 04-46-29	
		Length: 187.19	Tangent: 93.79	
		Mid-Ord: 3.65	External: 3.66	
		Chord: 187.00	Course: N 24-13-21 E	
		Es: 3.66		
PI	11+07.33		8058.59	6695.85

C–Line

Horizontal Alignment Station and Curve Report.

Alignment: cl–car Desc: new road car lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00		6592.58	6223.39
		Length: 135.00	Course: N 14-04-32 E	
PI	1+35		6723.52	6256.22
		Length: 149.90	Course: N 03-22-10 E	
		Delta: 10-42-21		
		Tangent Data		
	0+00		6592.58	6223.39
	0+26.69		6618.46	6229.88
		Length: 26.69	Course: N 14-04-32 E	
		Circular Curve Data		
PC	0+26.69		6618.46	6229.88
RP			6899.58	5108.66
PT	2+42.68		6831.64	6262.58
		Delta: 10-42-21	Type: LEFT	
		Radius: 1155.92	DOC: 04-57-24	
		Length: 215.99	Tangent: 108.31	
		Mid-Ord: 5.04	External: 5.06	
		Chord: 215.67	Course: N 08-43-21 E	
		Es: 5.06		
PI	2+84.27		6873.17	6265.03
		Length: 77.94	Course: N 00-45-07 W	
		Delta: 4-07-17		
		Circular Curve Data		
PC	2+42.68		6831.64	6262.58
RP			6899.58	5108.66
PT	3+25.83		6914.75	6264.48
		Delta: 04-07-17	Type: LEFT	
		Radius: 1155.92	DOC: 04-57-24	
		Length: 83.15	Tangent: 41.59	
		Mid-Ord: 0.75	External: 0.75	
		Chord: 83.13	Course: N 01-18-32 E	
		Es: 0.75		
PI	3+62.18		6951.10	6264.01
		Length: 378.32	Course: N 03-24-42 E	
		Delta: 4-09-49		
		Circular Curve Data		
PC	3+25.83		6914.75	6264.48
RP			6927.88	7264.40
PT	3+98.50		6987.39	6266.17
		Delta: 04-09-49	Type: RIGHT	
		Radius: 1000.00	DOC: 05-43-46	
		Length: 72.67	Tangent: 36.35	
		Mid-Ord: 0.66	External: 0.66	
Desc.	Station	Spiral/Curve Data	Northing	Easting
		Chord: 72.65	Course: N 01-19-47 E	
		Es: 0.66		
PI	7+40.47		7328.75	6286.52
		Length: 157.77	Course: N 48-49-30 E	
		Delta: 45-24-48		
		Tangent Data		
	3+98.50		6987.39	6266.17
	6+98.62		7286.98	6284.03
		Length: 300.13	Course: N 03-24-42 E	
		Circular Curve Data		
PC	6+98.62		7286.98	6284.03
RP			7281.03	6383.85
PT	7+77.88		7356.30	6318.02
		Delta: 45-24-48	Type: RIGHT	
		Radius: 100.00	DOC: 57-17-45	
		Length: 79.26	Tangent: 41.84	
		Mid-Ord: 7.75	External: 8.40	
		Chord: 77.20	Course: N 26-07-06 E	
		Es: 8.40		
PI	8+93.82		7432.63	6405.28
		Length: 448.85	Course: N 19-45-13 E	
		Delta: 29-04-17		

C–Line

Horizontal Alignment Station and Curve Report.

Alignment: cl–car Desc: new road car lane centerline

Desc.	Station	Spiral/Curve Data	Northing	Easting
		Tangent Data		
	7+77.88		7356.30	6318.02
	8+70.48		7417.26	6387.71
		Length: 92.59	Course: N 48-49-30 E	
		Circular Curve Data		
PC	8+70.48		7417.26	6387.71
RP			7485.01	6328.46
PT	9+16.14		7454.59	6413.16
		Delta: 29-04-17	Type: LEFT	
		Radius: 90.00	DOC: 63-39-43	
		Length: 45.67	Tangent: 23.34	
		Mid-Ord: 2.88	External: 2.98	
		Chord: 45.18	Course: N 34-17-21 E	
		Es: 2.98		
PI	13+41.66		7855.06	6556.98
		Length: 218.93	Course: N 35-00-54 E	
		Delta: 15-15-41		
		Tangent Data		
	9+16.14		7454.59	6413.16
	12+74.67		7792.01	6534.34
		Length: 358.52	Course: N 19-45-13 E	
		Circular Curve Data		
PC	12+74.67		7792.01	6534.34
RP			7623.03	7004.91
PT	14+07.85		7909.92	6595.41
		Delta: 15-15-41	Type: RIGHT	
		Radius: 500.00	DOC: 11-27-33	
		Length: 133.18	Tangent: 66.99	
		Mid-Ord: 4.43	External: 4.47	
		Chord: 132.79	Course: N 27-23-03 E	
		Es: 4.47		
PI	15+59.79		8034.36	6682.59
		Length: 200.04	Course: N 28-41-29 E	
		Delta: 6-19-25		
		Tangent Data		
	14+07.85		7909.92	6595.41
	15+32.17		8011.74	6666.75
		Length: 124.32	Course: N 35-00-54 E	
		Circular Curve Data		
PC	15+32.17		8011.74	6666.75
RP			8298.63	6257.24
PT	15+87.35		8058.59	6695.85
		Delta: 06-19-25	Type: LEFT	
		Radius: 500.00	DOC: 11-27-33	
		Length: 55.18	Tangent: 27.62	
		Mid-Ord: 0.76	External: 0.76	
		Chord: 55.16	Course: N 31-51-12 E	
		Es: 0.76		
PI	17+59.77		8209.84	6778.63
		Length: 172.42	Course: N 45-02-40 E	
		Delta: 16-21-11		
		Circular Curve Data		
PC	15+87.35		8058.59	6695.85
RP			7482.48	7748.52
PT	19+29.85		8331.67	6900.65
		Delta: 16-21-11	Type: RIGHT	
		Radius: 1200.00	DOC: 04-46-29	
		Length: 342.50	Tangent: 172.42	
		Mid-Ord: 12.20	External: 12.32	
		Chord: 341.34	Course: N 36-52-05 E	
		Es: 12.32		
PI	19+29.85		8331.67	6900.65

B–Line

Horizontal Alignment Station and Curve Report.

Alignment: cl–bus Desc: new centerline bus lane

Desc.	Station	Spiral/Curve Data	Northing	Easting
PI	0+00		7248.76	6281.75
		Length: 18.83	Course: N 03-24-42 E	
PI	0+18.83		7267.56	6282.87
		Length: 219.72	Course: N 48-49-30 E	
		Delta: 45-24-48		
		Circular Curve Data		
PC	0+00		7248.76	6281.75
RP			7246.08	6326.67
PT	0+35.67		7279.95	6297.04
		Delta: 45-24-48	Type: RIGHT	
		Radius: 45.00	DOC: 127-19-26	
		Length: 35.67	Tangent: 18.83	
		Mid-Ord: 3.49	External: 3.78	
		Chord: 34.74	Course: N 26-07-06 E	
		Es: 3.78		
PI	2+36.55		7412.21	6448.25
		Length: 38.89	Course: N 19-45-13 E	
		Delta: 29-04-17		
		Tangent Data		
	0+35.67		7279.95	6297.04
	1+97.66		7386.60	6418.98
		Length: 161.99	Course: N 48-49-30 E	
		Circular Curve Data		
PC	1+97.66		7386.60	6418.98
RP			7499.51	6320.22
PT	2+73.77		7448.81	6461.40
		Delta: 29-04-17	Type: LEFT	
		Radius: 150.00	DOC: 38-11-50	
		Length: 76.11	Tangent: 38.89	
		Mid-Ord: 4.80	External: 4.96	
		Chord: 75.29	Course: N 34-17-21 E	
		Es: 4.96		
PI	2+73.77		7448.81	6461.40

See sheet SC–10 for coordinate layout data and legend.

0' 20' 40' 80' 160' 240'

Bar Scale 1" = 40'

NORTHERN ARCHITECTS
207 KING STREET
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MECHANICAL/ELECTRICAL
DUFRESNE-HENRY, INC.
54 ROUTE 106, PRECISION PARK
NORTH SPRINGFIELD, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #1M 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: 1" = 40'
CHECKED:
PROJECT NO:

LAYOUT PLAN

SC-11

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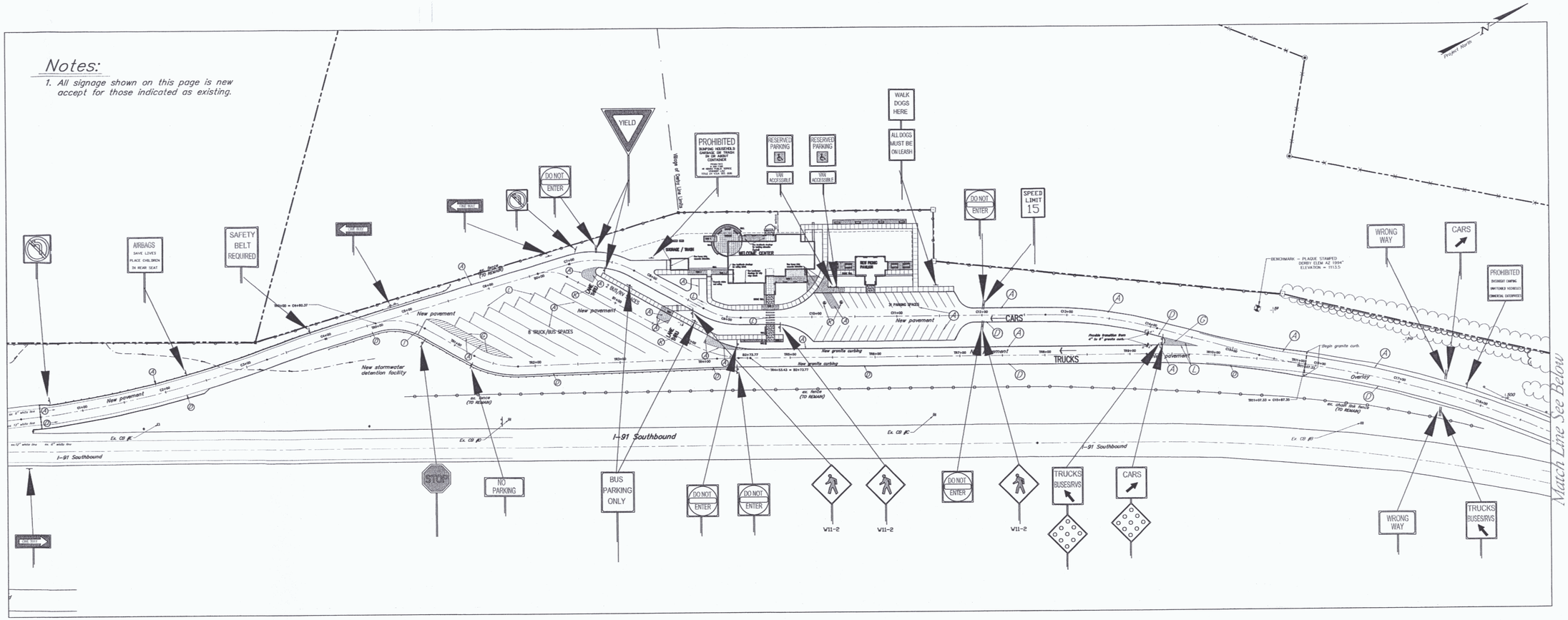
Notes:

1. All signage shown on this page is new accept for those indicated as existing.



Pavement Marking Notes

1. All markings shall be durable.
2. All markings shall meet the requirements of the MUTCD, the Vermont PMPG, STD E–191 and details shown. Additional marking specifications can be found in the standard specifications section 708 and in the Vermont Pavement Marking and Placement Guide.
3. All conflicting existing markings shall be removed by grinding or burning.
4. All handicap pavement markings and signage shall comply with all applicable ADA standards and regulations.

Pavement Marking Legend

- (A) 4" solid white line durable
- (B) 4" dashed white line durable
- (C) 4" dotted white line durable
- (D) 4" solid yellow line durable
- (E) 4" double solid yellow line durable
- (F) 4" dashed yellow line durable
- (G) 8" solid white line durable
- (H) 8" solid yellow line durable
- (I) 24" white stopbar durable
- (J) Painted curb (not used)
- (K) Symbol durable
- (L) 12" solid white line durable
- (M) 6" solid white line durable
- (N) 6" dotted white line durable

Edge Line Pavement Marking Schedule

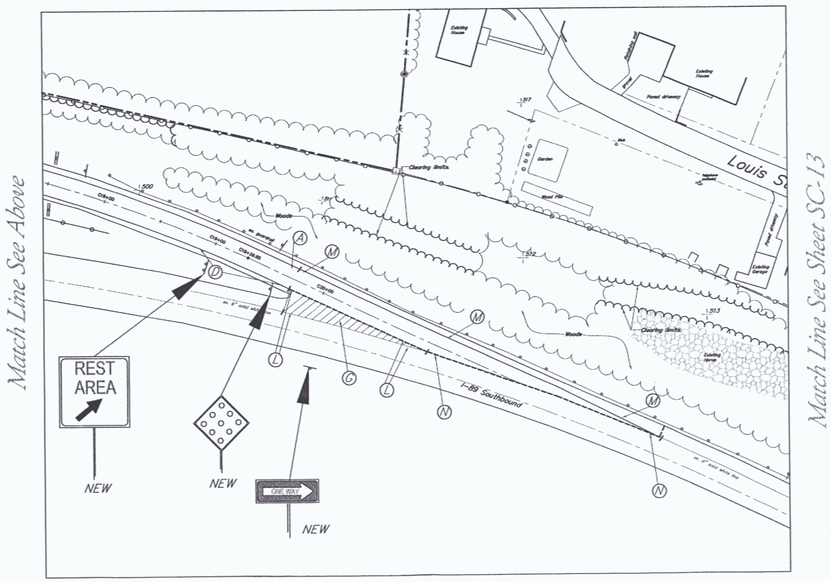
1. (A) 4" solid white line durable
   - C0+50 to C7+70 LT
   - C8+00 to C8+45 LT
   - C8+75 to C9+45 LT
   - C11+90 to C19+70 LT
   - TR4+50 to TR9+25 LT
2. (D) 4" solid yellow line durable
   - C0+50 to C4+60.37 RT
   - TR0+00 to TR11+07.33 RT
   - C15+87.35 to C19+70 RT

Signage Notes:

1. Sign erection shall be in conformance with Section 675 of the Standard Specification for Construction, 2001.
2. Placement of signs shall be in accordance with Standard Sheets E–120 and E130.
3. Specific posts and foundation details can be found on Standard Sheets E–160, E–162 and E0163.
4. Unspecified sign placement locations to be specified by the VAOT traffic signing and marking supervisor.
5. Unless noted otherwise all sign posts shall be 3 lb/ft steel flanged channel.

0' 60' 120' 240' 360'

BAR SCALE 1" = 60'



STATE OF VERMONT
JOHN T. NORRIS III
NO. 10703
REGISTERED PROFESSIONAL ENGINEER

NORTHERN ARCHITECTS
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BURLINGTON, VERMONT
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MECHANICAL/ELECTRICAL
DUFRESNE-HENRY, INC.
54 ROUTE 106, PRECISION PARK
NORTH SPRINGFIELD, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: × 1" = 60'
CHECKED:
PROJECT NO:

NEW SIGNAGE AND PAVEMENT MARKING PLAN

SC-12

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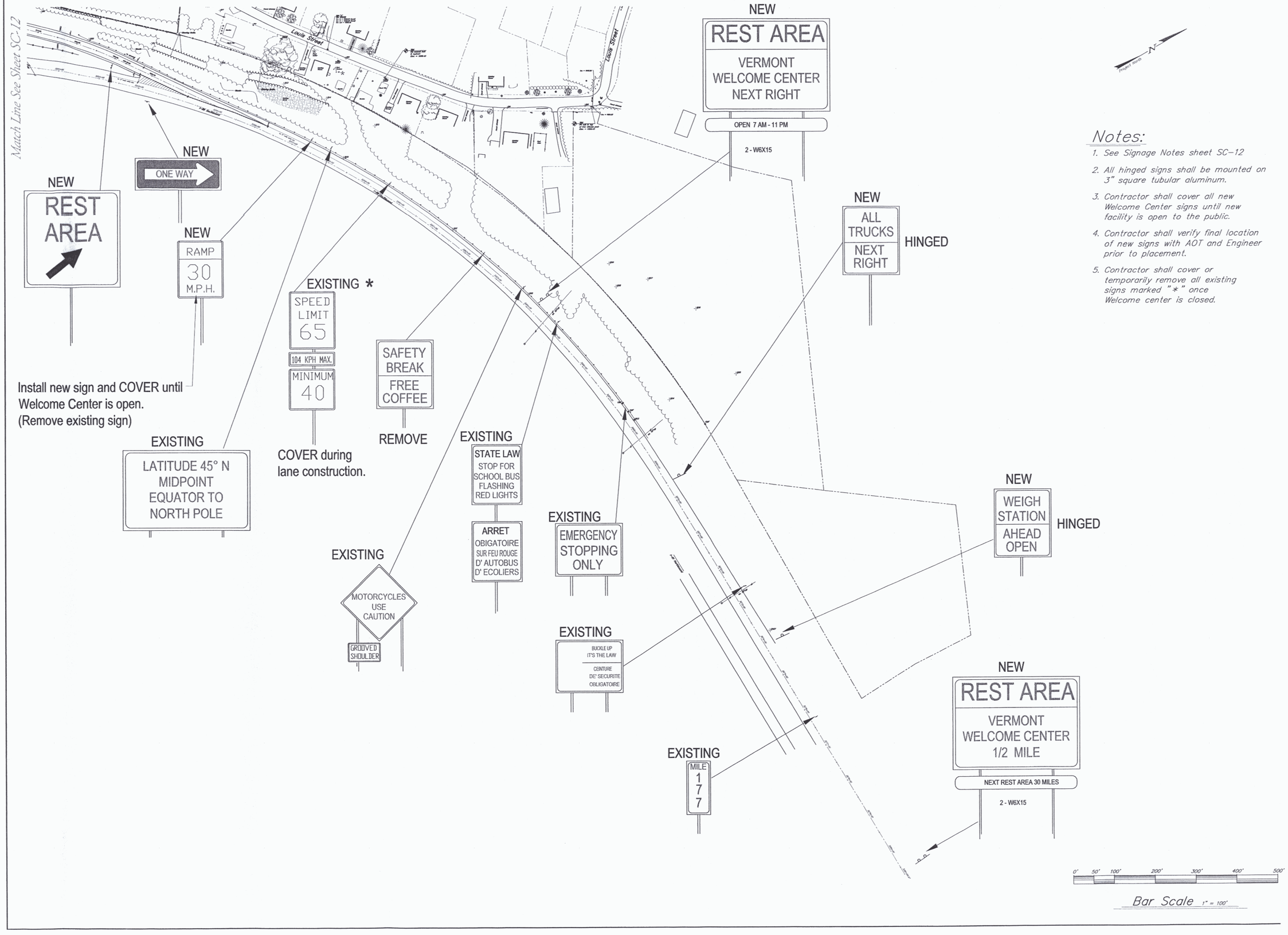

Notes:

1. See Signage Notes sheet SC-12
2. All hinged signs shall be mounted on 3" square tubular aluminum.
3. Contractor shall cover all new Welcome Center signs until new facility is open to the public.
4. Contractor shall verify final location of new signs with AOT and Engineer prior to placement.
5. Contractor shall cover or temporarily remove all existing signs marked "*" once Welcome center is closed.

STATE OF VERMONT
H. KEITH WAGNER
No. 5709
REGISTERED
PROFESSIONAL ENGINEER

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PLUMBING, MECHANICAL
AND ELECTRICAL
DUFRESNE-HENRY, INC.
Precision Park
North Springfield, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY
WELCOME
CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

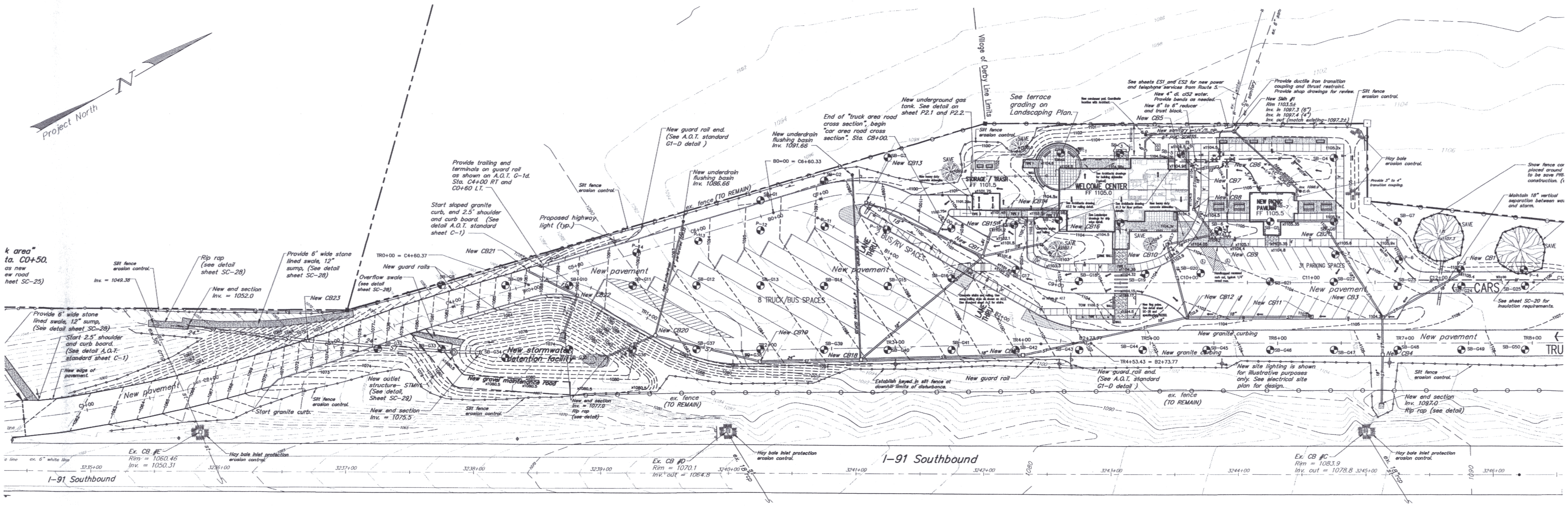
DERBY
VERMONT

DATE: 01/07/02
SCALE: × 1" = 100'
CHECKED:
PROJECT NO:

APPROACH
SIGNAGE

SC-13

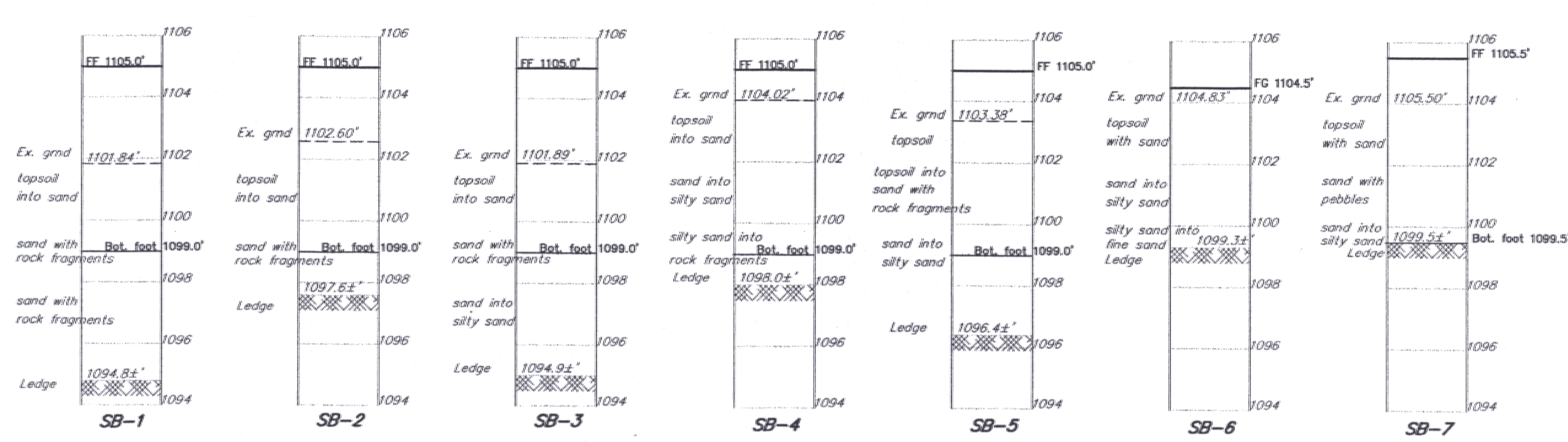
00137 – signage.dwg



Boring / Probe information for sheet SC-14

NAME	GRND ELEV	SOILS	AUGER REFUSAL	DEPTH TO REFUSAL	LEDGE ELEV
P-5	1107.94		X	4'	1104.0'
P-6	1106.86		X	4'	1103.0'
P-7	1106.08		X	7'	1099.0'
P-8	1102.67		X	8'	1094.5'
P-9	1101.42		X	2'	1099.5'
P-10	1100.22		X	5'	1099.5'
P-11	1098.74		X	7'	1095.0'
P-12	1096.99		X	6'	1092.0'
P-13	1094.30		X	7'	1091.0'
P-14	1091.94		X	5'	1087.0'
SB-G1	1096.37	0"-1' Topsoil, 1'-3' Ledge Grindings-Refusal at 3'on stone	X	3'	1093'
SB-G2	1097.30	0"-1' Topsoil, 1'-7' Hard packed silty sand and gravel, 7'-10' gray ledge grindings		10'	
SB-G3	1098.51	0"-1' Topsoil, 1'- 3.25' hard pack sand, stones-refusal on stone at 3.25'	X	3.25'	1095.26'
SB-G4	1106.38	0"-1' Topsoil, 1'-8' Silty sand with stones - refusal on stone at 8'	X	8'	1098'
SB-G5	1105.15	0"-1' Topsoil, 1'- 7.25' Fine silty sand/stones	X	7.25'	1097.9'
SB-G6	1106.44	0"-1' Topsoil, 1 - 4.5' Brown silty sand, stones, refusal on stone at 4.5'	X	4.5'	1102'
SB-G7	1106.95	0"-1' Topsoil, 1'-4' Brown silty sand, stones-auger refusal on stone at 4'	X	4'	1103'
SB-G8	1080.65	0"-6" Topsoil, 6"-4.5' Fine silty sand, stone - Auger refusal at 4.5' on stone	X	4.5'	1076.2'
SB-G9	1081.83	0"-6" Topsoil, 6"-3.5' silty sand, stones - 3.5' 4.5' ledge grindings	X	4.5'	1077.3'
SB-G10	1084.32	0"-8" Topsoil, fine brown sand, silt, stones - 8"-7' Auger refusal on stone at 7'	X	7'	1077'
SB-G11	1088.99	0"-6" Fine sand with silt, stones - Auger refusal on stone at 3'	X	3'	1086'
SB-G12	1092.66	0"-6" Topsoil, 6"-5' Fine brown sand, stones - auger refusal on stone at 5'	X	5'	1088'
SB-G13	1095.30	0"-6" Topsoil, 6"-3' sand, stones, 3'-4' Ledge grindings- Auger refusal on stone at 4'	X	4'	1091'
SB-G14	1096.73	0"-6" Topsoil, 6"-4' Fine sand with silt, stone-Auger refusal on stone at 4'	X	4'	1093'
SB-G15	1097.70	0"-6" Topsoil, 6"-4' Fine brown sand with silt, stone-Auger refusal on stone at 4'	X	4'	1094'
SB-G16	1099.90	0"-6" Topsoil, 6"-6' Silty sand with stones - Auger refusal on stone at 6'	X	6'	1094'
SB-G17	1101.17	0"-6" Topsoil, 6"-6' Silty brown sand with stones, Auger refusal 6' on stone	X	6'	1095'
SB-G18	1102.44	0"-6" Topsoil, 6"-4' Fine brown sand with silt, stone - Auger refusal on stone at 4'	X	4'	1098'
SB-G19	1103.39	0"-6" Topsoil, 6"-4' Fine brown sand, stones - Auger refusal on stone at 4'	X	4'	1099'
SB-G20	1103.74	0"-6" Topsoil, 6"-5' Sand, stones - Auger refusal on stone at 5'	X	5'	1099'
SB-G21	1104.15	0"-6" Topsoil, 6"-2.5' Sand, stones - Auger refusal on stone at 2.5'	X	2.5'	1102'
SB-G22	1104.67	0"-6" Topsoil, 6"-2' Sand, stones - Auger refusal on stone at 2'	X	2'	1103'
SB-G23	1103.74	0"-6" Topsoil, 6"-8' Fine sand, stone, silt - Auger refusal on stone at 8'	X	8'	1096'
SB-G24	1106.77	0"-6" Topsoil, 6"-2' Fine sand, silt, stones - Auger refusal on stone at 3'	X	3'	1104'
SB-G25	1107.90	0"-6" Topsoil, 6"-2' Fine sand, silt, stones - Auger refusal on stone at 2'	X	2'	1106'
SB-G26	1106.03	0"-6" Topsoil, 6"-2' Fine sand, stones - Auger refusal on stone at 2'	X	2'	1104'
SB-G27	1106.52	0"-6" Topsoil, 6" - 2.5' Sand, stone - Auger refusal on stone at 2.5'	X	2.5'	1104'
SB-G28	1106.48	0"-6" Topsoil, 6"-2.5' Fine sand - Auger refusal on stone at 2.5'	X	2.5'	1104'
SB-G29	1111.32	0"-6" Topsoil, sand, stones - 6"-3.5' - Auger refusal at 1'	X	3.5'	1108.8'
SB-G30	1107.61	0"-6" Topsoil, 6"-2' Fine sand, stone - Auger refusal on stone at 2'	X	2'	1106'
SB-G32	1070.55	0"-6" Topsoil, 6"-4' Sand, stones-refusal at 4'	X	4'	1067'
SB-G33	1074.80	0"-6" Topsoil, 6"-2.5' Sand, stones - refusal at 2.5'	X	2.5'	1072.3'
SB-G34	1079.44	0-8" Blacktop, 8"-4' Gravel, silty sand, stones refusal at 4'	X	4'	1075'
SB-G35	1082.43	0"-6" Topsoil, 6"-3' Sand - refusal at 3'	X	3'	1079'
SB-G36	1085.69	0-8" Blacktop, 8"-3' Gravel, 3'-9' silty sand, stones-refusal at 9'	X	9'	1077'
SB-G37	1088.78	0-8" Blacktop, 8"-5.5' Gravel-refusal at 5.5'	X	5.5'	1083.3'
SB-G38	1091.81	0-8" Blacktop, 8"-8.5' Gravel-refusal at 8'	X	8'	1084'
SB-G39	1094.91	0-8" Blacktop, 8"-3' Gravel, 3'-10' silty sand, stones		10'	
SB-G40	1097.81	0-8" Blacktop, 8"-3' Gravel, 3'-10' silty sand, stones		10'	
SB-G41	1100.01	0-8" Blacktop, 8"-3' Gravel, 3'-10' silty sand, stones		10'	
SB-G42	1101.73	0-8" Blacktop, 8"-3'6"Gravel, 3'6"-10' silty sand, stones		10'	
SB-G43	1102.82	0-8" Blacktop, 8"-4' Gravel, 4'-8' silty sand with stones-refusal at 8'	X	8'	1095'
SB-G44	1103.40	0-8" Blacktop, 8"-4' Gravel, 4'-7'3" Silty sand, stone-refusal at 7'3"	X	7'3"	1094.15'
SB-G45	1103.90	0-8" Blacktop, 8"-3'6" Gravel - refusal at 3'6"	X	3'6"	1100.4'
SB-G46	1104.45	0-8" Blacktop, 8"-3' Gravel, 3'-10' Fine sand, silt		10'	
SB-G47	1105.05	0-8" Blacktop, 8"-2' Gravel-refusal at 2'	X	2'	1103'
SB-G48	1105.57	0-8" Blacktop, 8"-3'4" gravel-refusal at 3'4"	X	3'4"	1102.3'

Note: See structural drawings for final footing elevations.



SOIL BORING LOGS

Note:

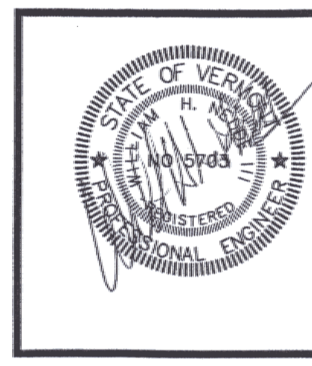
Location and existence of all existing utilities is approximate. The Contractor shall contact "Dig Safe" prior to starting any excavation.

Legend

Existing ledge probe/soil boring (SB-1 through SB-7 are soil borings, see attached results)

0' 20' 40' 80' 160' 240'

Bar Scale 1" = 40'



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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

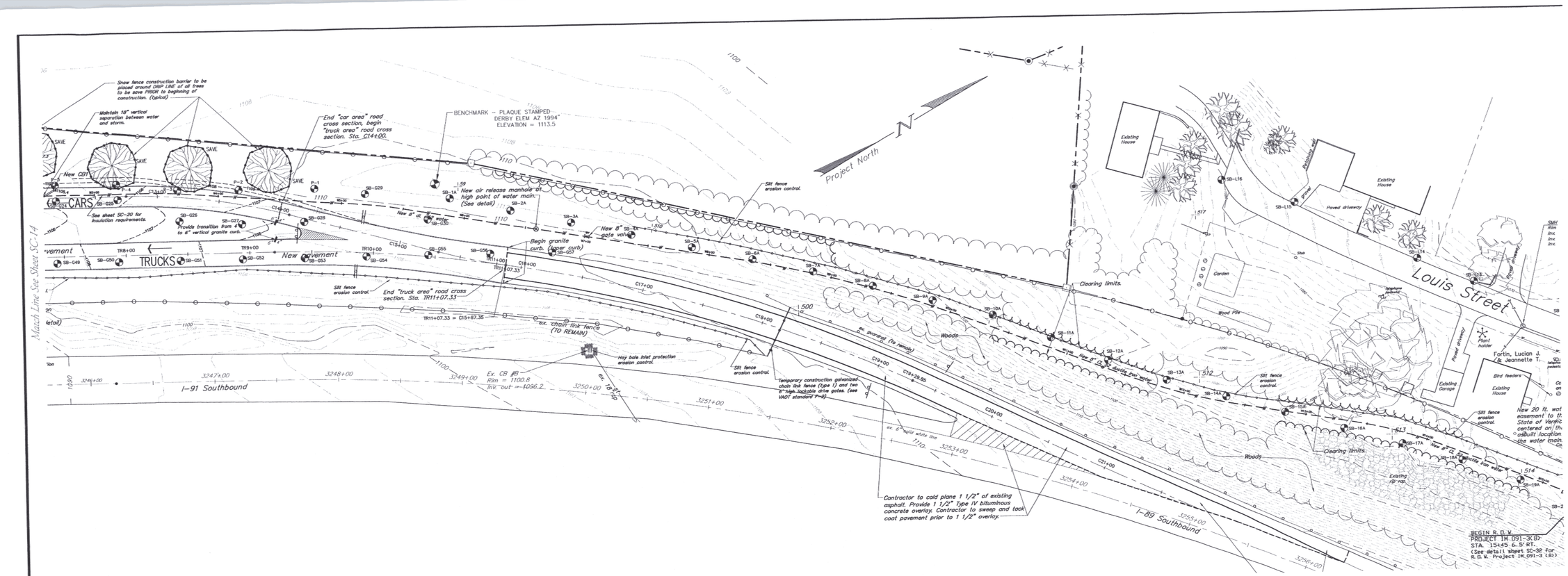
DERBY
VERMONT

DATE:	01/07/02
SCALE:	× 1" = 40'
CHECKED:	
PROJECT NO:	

LEDGE PROBE PLAN

SC-14

00137 - DERBY2001.dwg



Probe information for sheet SC-15

NAME	GRND ELEV	SOILS	AUGER REFUSAL	DEPTH TO REFUSAL	LEDGE ELEV
P-1	1111.58		X	8'	1103.6'
P-2	1109.62		X	6'	1103.6'
P-3	1109.13		X	4'	1105.0'
P-4	1108.63		X	2.5'	1106.0'
P-5	1107.94		X	4'	1104.0'
SB-1A	1112.72	0"-6" Topsoil, fine dark soil with rocks - Auger refusal on stone at 5'	X	5'	1108'
SB-2A	1111.93	0"-6" Topsoil, 6"-7.5' Black soil with rock - Auger refusal on stone at 7.5'	X	7.5'	1104'
SB-3A	1111.18	0"-2' (6") Topsoil, sand, stones - Auger refusal at 2.5' - 6" weathered rock	X	2.5'	1108.9'
SB-4A	1111.80	0"-6" Topsoil, 6"-2.5' Sand, stone - Auger refusal at 2.5'	X	2.5'	1109.3'
SB-5A	1110.66	0"-6" Topsoil, 6" - 5' Sand, stones - Auger refusal at 5'	X	5'	1106'
SB-6A	1106.89	0"-6" Topsoil, 6"-3' Sand, stony gravel - Auger refusal at 3'	X	5'	1104'
SB-7A	1103.69	0"-6" Topsoil, 6" - 2.5' Brown sand, stone - Auger refusal at 2.5'	X	2.5'	1101.2'
SB-8A	1101.79	0"-6" Topsoil, 6"-2.5' Fine brown sand, stones-Auger refusal on stone at 5'	X	2.5'	1099.3'
SB-9A	1100.70	0"-6" Topsoil, 6"-5' Fine brown sand, stone - Auger refusal on stone at 5'	X	5'	1096'
SB-10A	1096.91	0"-6" Topsoil, 6" - 6' Fine brown sand, stones - Auger refusal on stone at 6'	X	6'	1091'
SB-11A	1093.63	0"-6" Topsoil, 6"-5' Fine sand, stones -refusal at 5'	X	5'	1089'
SB-12A	1090.18	0"-6" Topsoil, 6"-2' Medium fine sand, stones - refusal at 2'	X	2'	1088'
SB-13A	1087.70	0"-6" Topsoil, 6"-7' Fine sand, stone - refusal at 7'	X	7'	1081'
SB-G49	1106.14	0-8" Blacktop, 8"-2'3" gravel-refusal at 2'3"	X	2'3"	1104'
SB-G50	1106.44	0-8" Blacktop, 8"-3'1" Gravel-silty sand, stones refusal at 3'1"	X	3'1"	1103'
SB-G51	1106.76	0-8" Blacktop, 8"-3.5' Gravel-refusal at 3.5'	X	3.5'	1106.25'
SB-G52	1107.08	0-8" Blacktop, 8"-3.5' Gravel-refusal at 3.5'	X	3.5'	1103.6'
SB-G53	1107.08	0-8" Blacktop, 8"-2.5' Gravel-refusal at 2.5'	X	2.5'	1105'
SB-G54	1107.45	0-8" Blacktop, 8"-3' Gravel-refusal at 3'	X	3'	1105'
SB-G55	1107.88	0-8" Blacktop, 8"-3' Gravel-refusal at 3'	X	3'	1106'
SB-G56	1108.73	0-8" Blacktop, 8"-3' Gravel-refusal at 3'	X	3'	1107'
SB-G57	1109.64	0"-8" Blacktop, 8"-3' Gravel-refusal at 3'	X	3'	1107'
	1110.17	0"-6" Topsoil, 6"-3' Sand, silt, stones - Auger refusal on stone at 3'			

Note:

Location and existence of all existing utilities is approximate. The Contractor shall contact "Dig Safe" prior to starting any excavation.

Legend

Existing ledge probe/soil boring (SB-1 through SB-7 are soil borings, see attached results)

0' 20' 40' 80' 160' 240'

Bar Scale 1" = 40'

STATE OF VERMONT
WILLIAM H. KREBS
NO. 5705
REGISTERED PROFESSIONAL ENGINEER

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

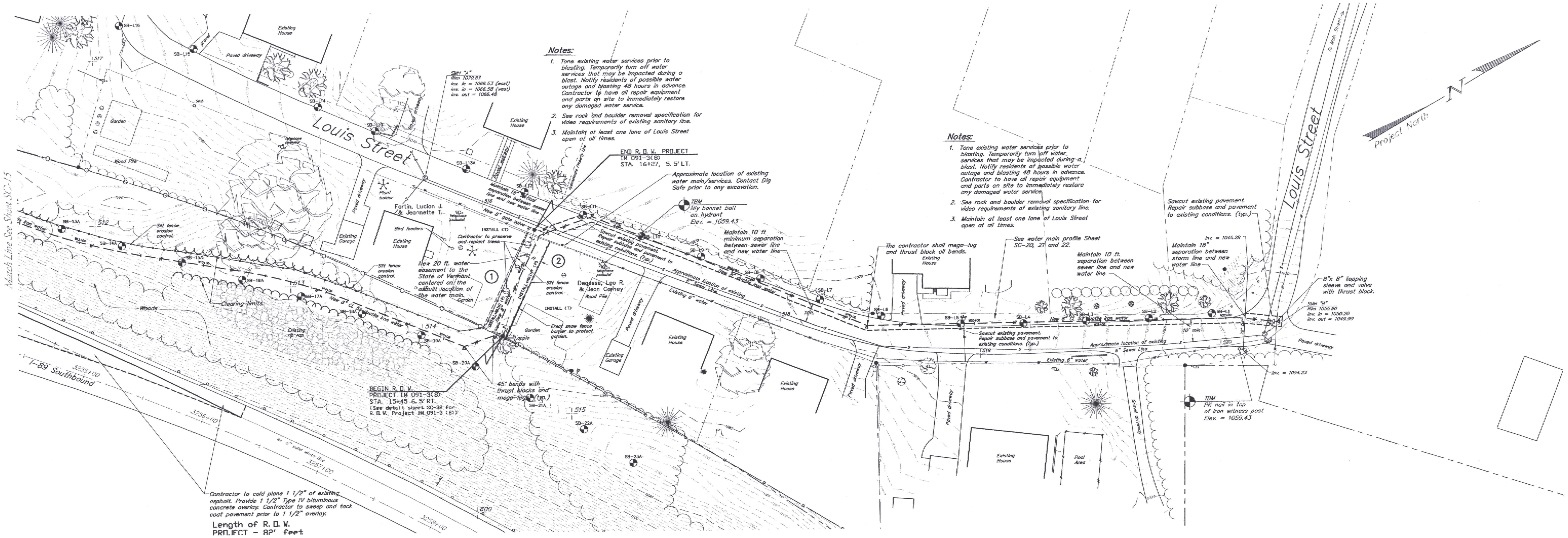
DERBY
VERMONT

DATE: 01/07/02
SCALE: 1" = 40'
CHECKED:
PROJECT NO:

LEDGE PROBE PLAN

SC-15

001.37 - DERBY2001.dwg



Probe information for sheet SC-16

NAME	GRND ELEV	SOILS	AUGER REFUSAL	DEPTH TO REFUSAL	LEDGE ELEV
SB-L1	1056.86	0"-6" Topsoil, 6"-3' Fine sand, stone – refusal at 2.5'	X	2.5'	1054.4'
SB-L2	1060.75	0"-6" Topsoil, 6"-3' Fine sand, stones – refusal at 3'	X	3'	1058'
SB-L3	1063.91	0"-6" Topsoil, 6"-4.5' Sand, stones – refusal at 4.5'	X	4.5'	1059.4'
SB-L4	1066.43	0"-6" Topsoil, 6"-8' Silty sands – refusal at 8'	X	8'	1058'
SB-L5	1067.43	0"-6" Topsoil, 6"-8' Silty sand – refusal at 8'	X	8'	1059'
SB-L6	1069.74	0"-6" Topsoil, 6"-9' Silty sand – refusal at 9'	X	9'	1061'
SB-L7	1069.54	0"-5" Topsoil, 5"-4.5' Sand, stones –refusal at 4.5'	X	4.5'	1065'
SB-L8	1070.04	0"-6" Topsoil, 6"-4.5' Sand, stones –refusal at 4.5'	X	4.5'	1066'
SB-L9	1070.78	0"-6" Topsoil, 6"-2.5' Sand, stones –refusal at 2.5'	X	2.5'	1068'
SB-L10	1071.20	0"-6" Topsoil, 6"-7' Sand, stones, silt –refusal at 7'	X	7'	1064'
SB-L11	1070.38	0"-6" Topsoil, 6"-10' Sand, stones, silt		10'	
SB-L12	1070.58	0"-6" Topsoil, 6"-4.5' Stones, sand – refusal at 4.5'	X	4.5'	1066'
SB-L13	1071.02	0"-6" Topsoil, 6"-8.5' Sand, stone, silt – refusal at 8.5'	X	8.5'	1063'
SB-L13A	1070.32	0"-6" Topsoil, 6"-8.5' Sand, stone, silt– refusal at 8.5'	X	8.5'	1062'
SB-L14	1072.93	0"-6" Topsoil, 6"-10' Sand, stones, silt		10'	
SB-L15	1076.34	0"-6" Topsoil, 6"-4.5' Sand, stones-refusal at 4.5'	X	4.5'	1072'
SB-L16	1080.24	0"-6" Topsoil, 6"-7.5' Sand, stones, little silt-refusal at 7.5'	X	7.5'	1073'
SB-13A	1087.70	0"-6" Topsoil, 6"-7' Fine sand, stone – refusal at 7'	X	7'	1081'
SB-14A	1084.43	0-1' Topsoil, refusal at 1'	X	1'	1083'
SB-15A	1080.70	0-10' Fine sand, silt		10'	
SB-16A	1080.09	0-10' Fine sand and silt		10'	
SB-17A	1079.04	0-10' Fine sand and silt		10'	
SB-18A	1075.27	0-7' Fine sand and cobble-refusal at 7'	X	7'	1068'
SB-19A	1074.57	0-10' Fine sand with silt and cobble		10'	
SB-20A	1076.28	0-8' Fine sand w/stones-refusal at 8'	X	8'	1068'
SB-21A	1079.06	0-7' Fine sand and silt with stones-refusal at 7'	X	7'	1072'
SB-22A	1084.62	0-1.5' Topsoil-refusal at 1.5'	X	1.5'	1083'
SB-23A	1086.25	0-2' Silty sand/stones-refusal at 2'	X	2'	1084'

Note:

Location and existence of all existing utilities is approximate. The Contractor shall contact "Dig Safe" prior to starting any excavation.

Legend

(symbol) Existing ledge probe/soil boring (SB-1 through SB-7 are soil borings, see attached results)

Bar Scale 1" = 40' (0', 20', 40', 80', 160', 240')

PERMIT REVIEW ONLY

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Precision Park
North Springfield, VT 05150
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

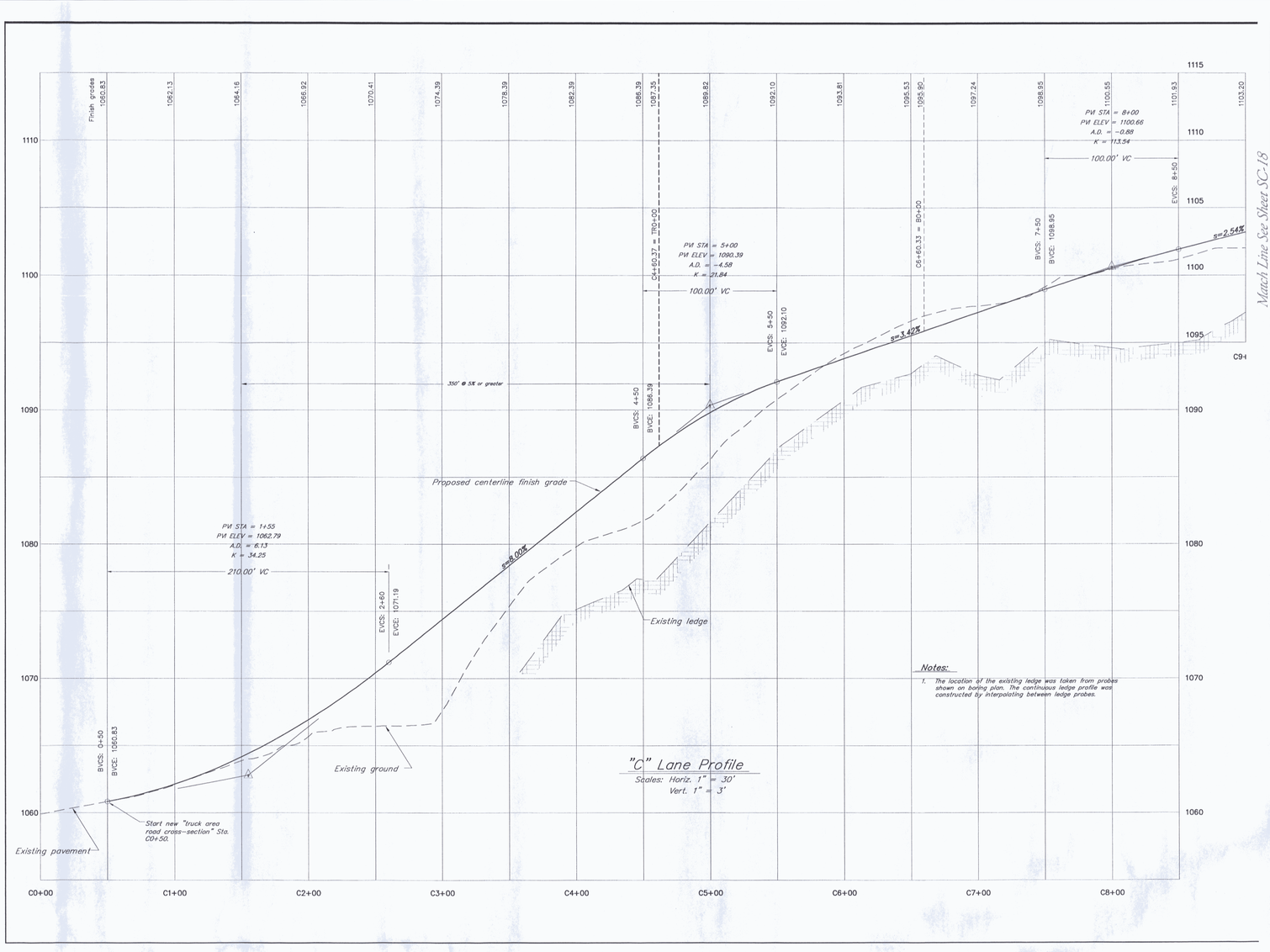
DERBY
VERMONT

DATE: 01/07/02
SCALE: × 1" = 40'
CHECKED:
PROJECT NO:

LEDGE PROBE PLAN

SC-16

00137 – DERBY2001.dwg



"C" Lane Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

Match Line See Sheet SC-18

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #SM 0911-3(8)

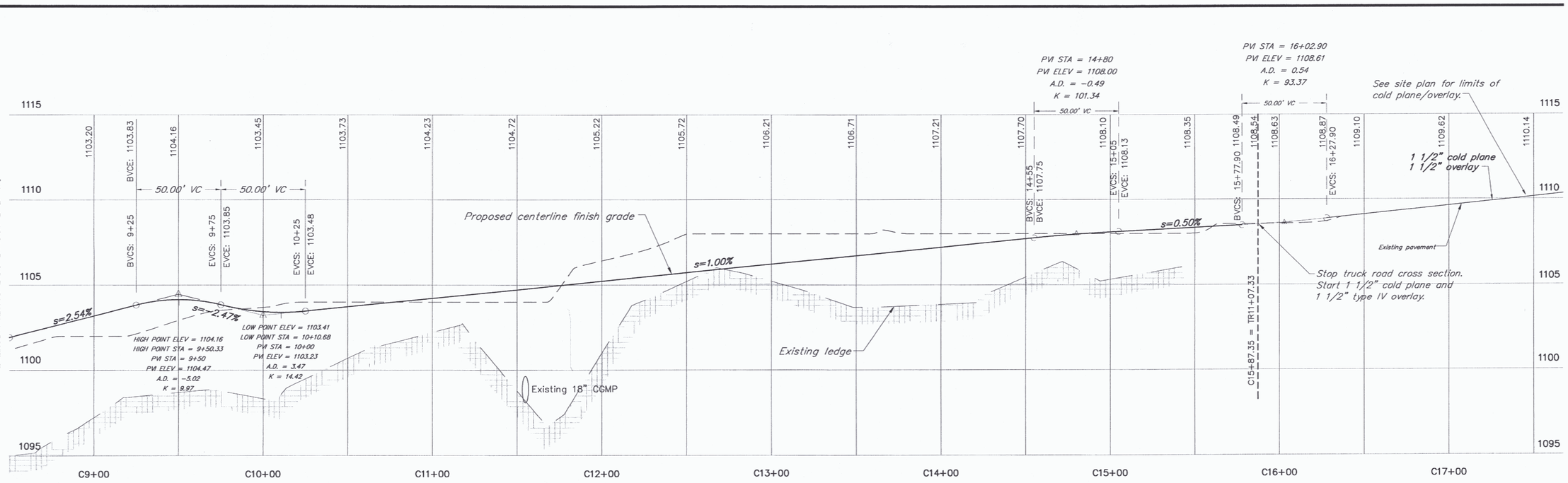
NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: = AS NOTED
CHECKED:
PROJECT NO:

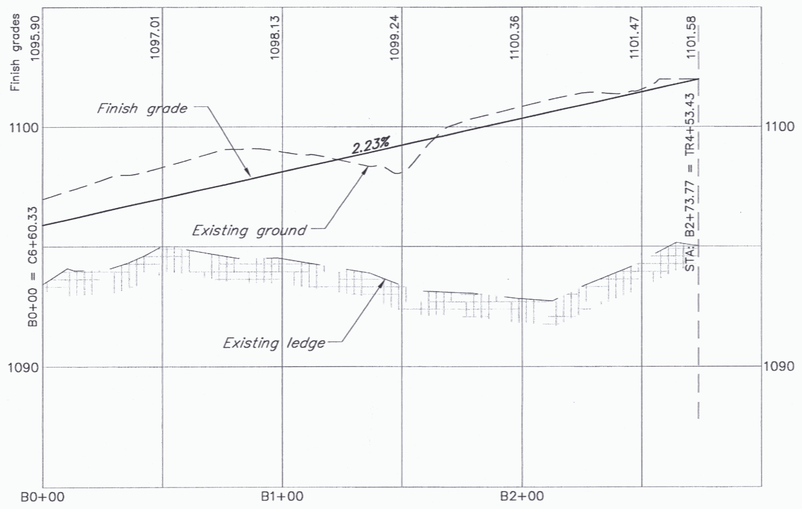
PROPOSED ROAD PROFILE

SC-17



"C" Lane Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'



"B" Lane Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

Notes:

1. The location of the existing ledge was taken from probes shown on boring plan. The continuous ledge profile was constructed by interpolating between ledge probes.

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NORTH SPRINGFIELD, VT 05150
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

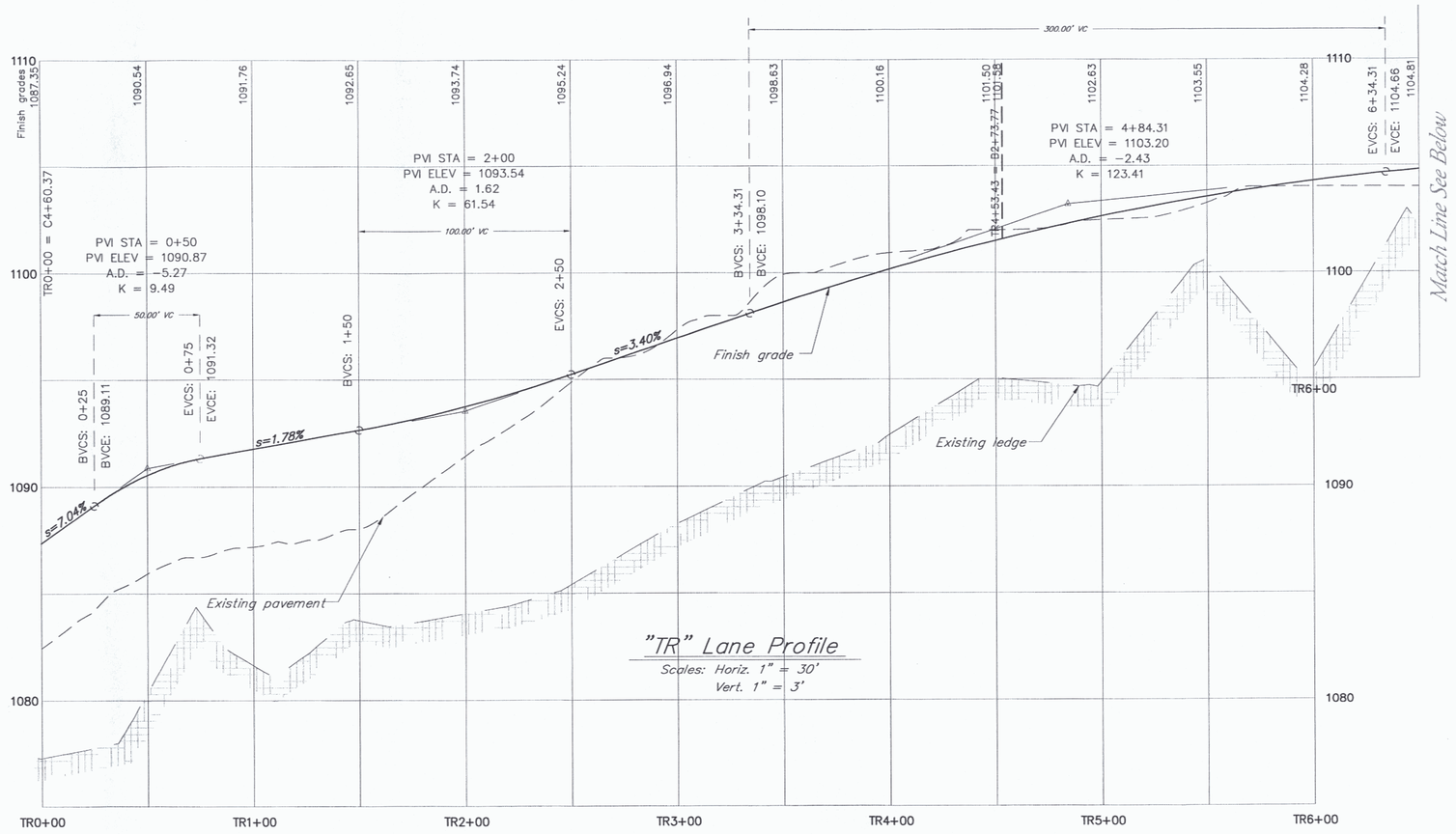
DERBY
VERMONT

DATE: 01/07/02
SCALE: × AS NOTED
CHECKED:
PROJECT NO:

PROPOSED ROAD PROFILE

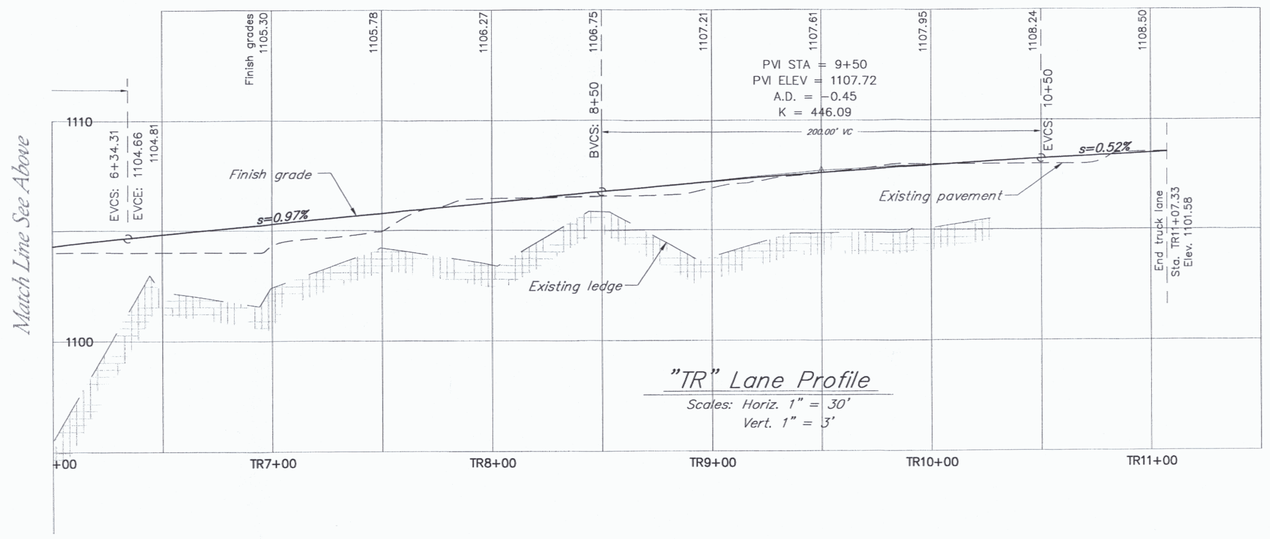
SC-18

00137 – pro-roads.dwg



"TR" Lane Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'



"TR" Lane Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

Notes:

1. *The location of the existing ledge was taken from probes shown on boring plan. The continuous ledge profile was constructed by interpolating between ledge probes.*

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

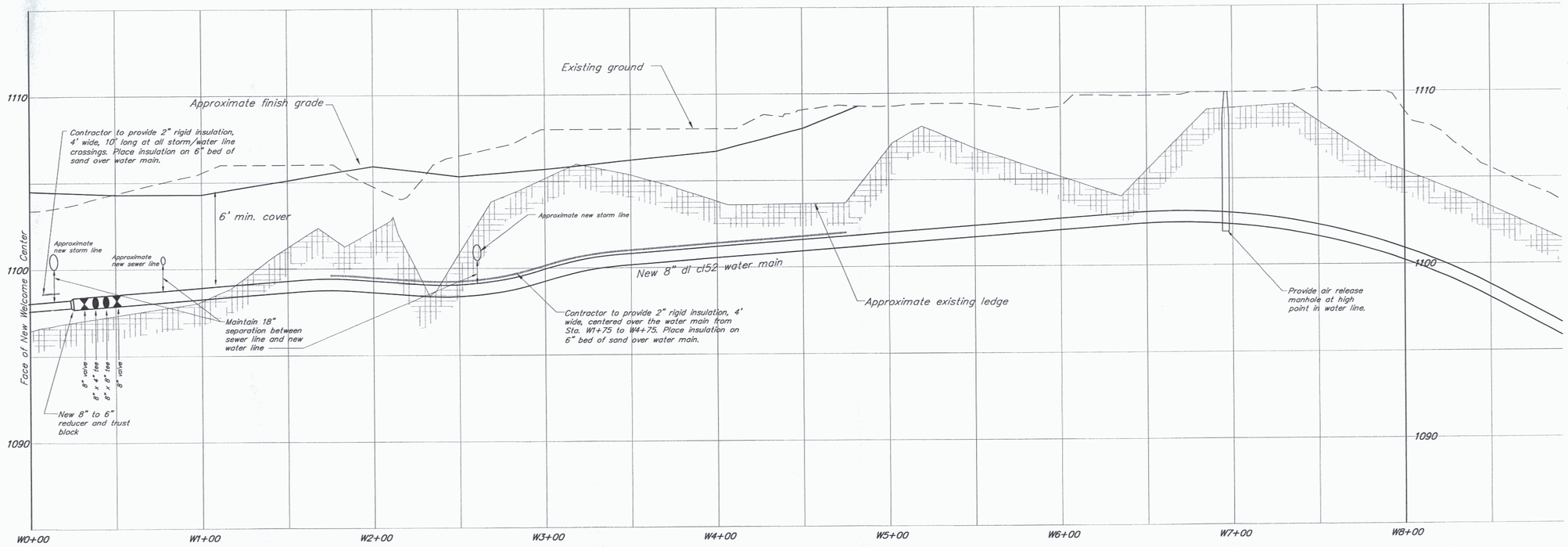
DERBY
VERMONT

DATE: 01/07/02
SCALE: × AS NOTED
CHECKED:
PROJECT NO:

PROPOSED ROAD PROFILE

SC-19

001.37 – pro-roads.dwg



Water Main Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

Notes:

1. The location of the water main is shown for illustrative purposes only. The Contractor shall maintain a minimum of 6' cover and maintain all necessary separation distances.
2. The location of the existing ledge was taken from probes shown on boring plan. The continuous ledge profile was constructed by interpolating between ledge probes.
3. The site plans and profiles do not show all required fittings and/or bends. The contractor shall provide all necessary fittings and bends to construct the main in the horizontal position shown on the site plan.

NORTHERN ARCHITECTS
207 KING STREET
SUITE 3
BURLINGTON, VERMONT
05401-4502
802-658-1953

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NORTH SPRINGFIELD, VT 05150
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

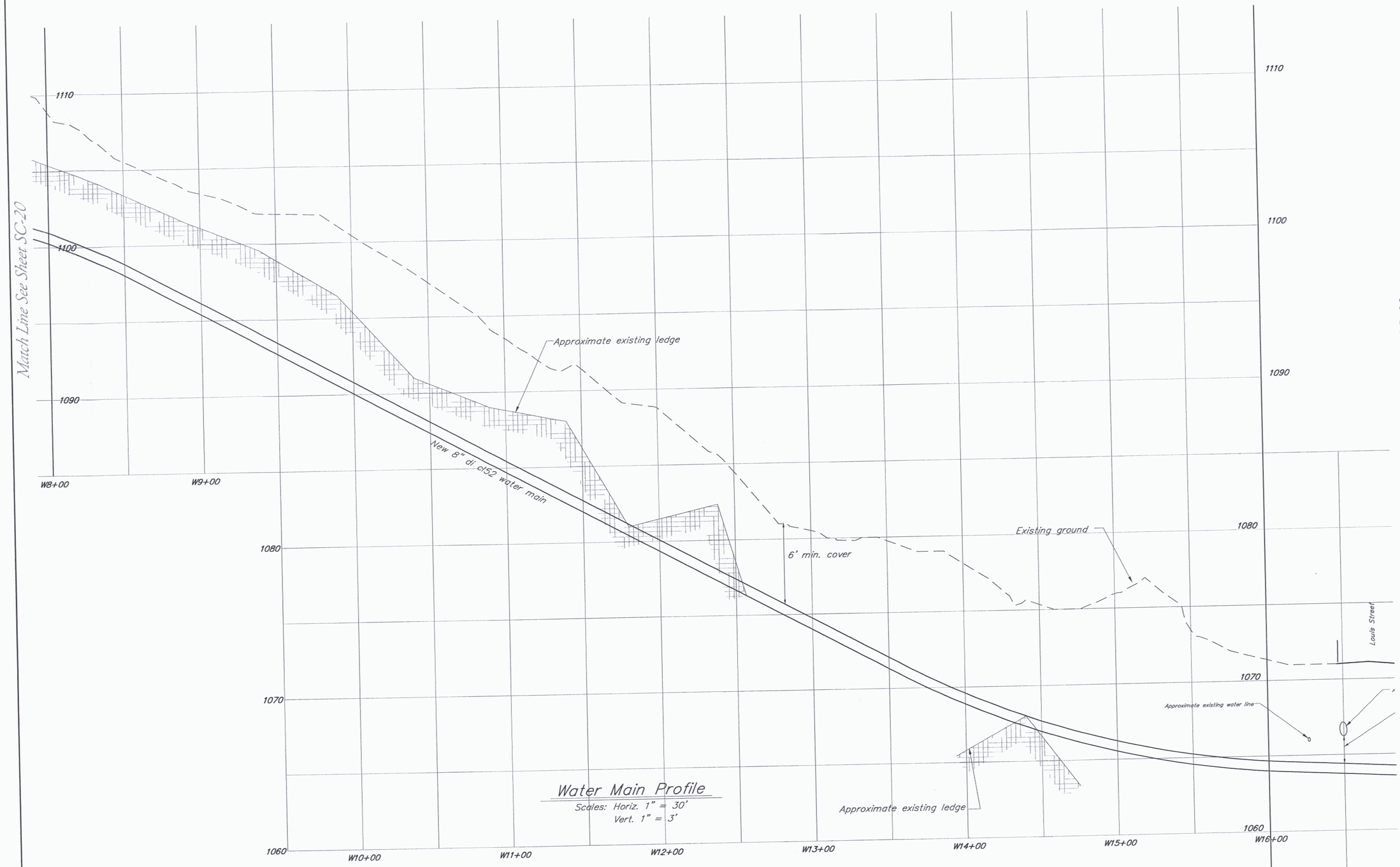
DERBY
VERMONT

DATE: 01/07/02
SCALE: × AS NOTED
CHECKED:
PROJECT NO:

WATER MAIN PROFILE

SC-20

001.37 – P-WATER.dwg



Water Main Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

Notes:

1. The location of the water main is shown for illustrative purposes only. The Contractor shall maintain a minimum of 6' cover and maintain all necessary separation distances.
2. The location of the existing ledge was taken from probes shown on boring plan. The continuous ledge profile was constructed by interpolating between ledge probes.
3. The site plans and profiles do not show all required fittings and/or bends. The contractor shall provide all necessary fittings and bends to construct the main in the horizontal position shown on the site plan.

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No. 01705
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PROFESSIONAL ENGINEER
STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

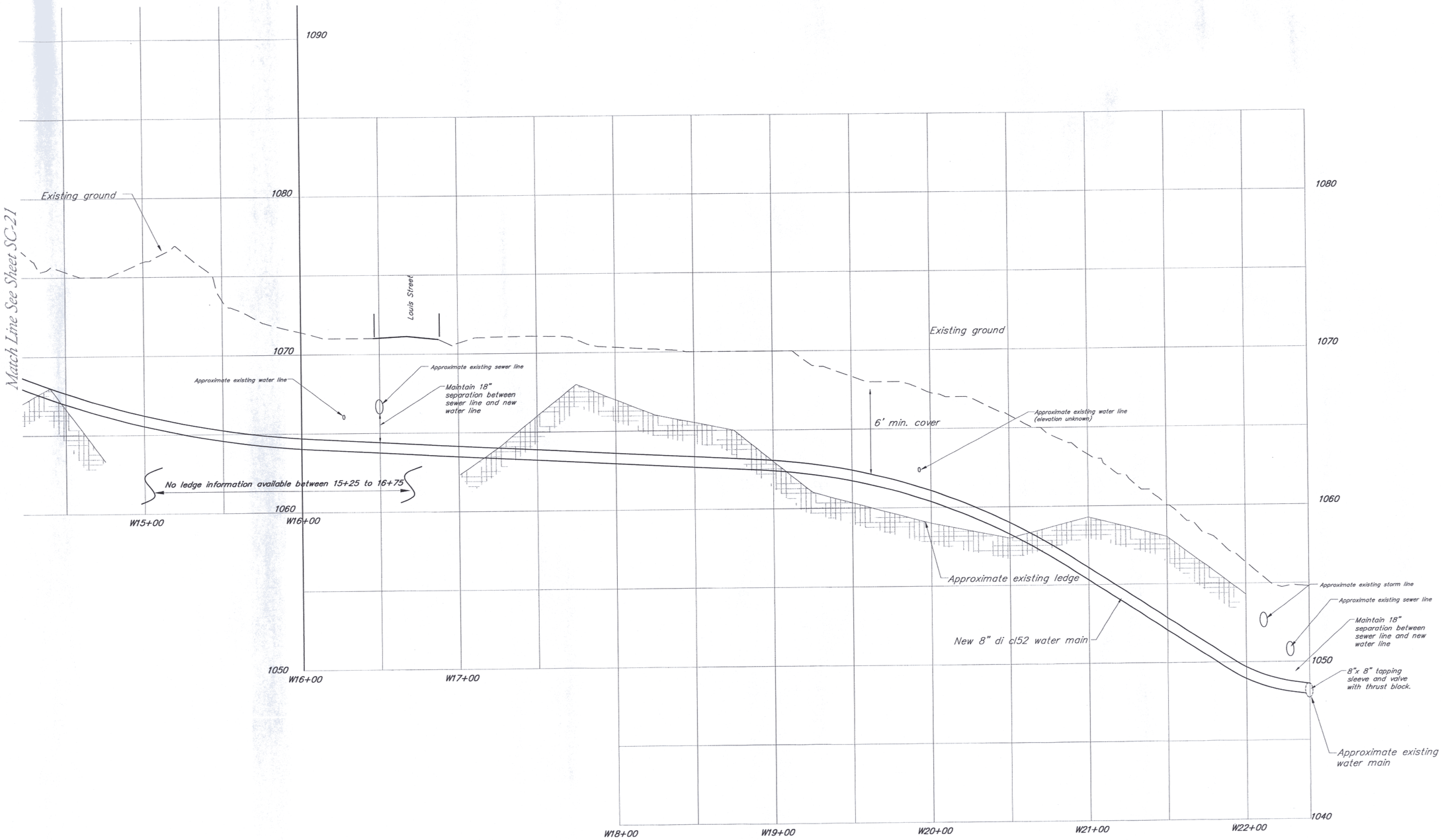
DERBY
VERMONT

DATE: 01/07/02
SCALE: × AS NOTED
CHECKED:
PROJECT NO:

WATER MAIN PROFILE

SC-21

00137 – P-WATER.dwg



Notes:

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2. The location of the existing ledge was taken from probes shown on boring plan. The continuous ledge profile was constructed by interpolating between ledge probes.
3. The site plans and profiles do not show all required fittings and/or bends. The contractor shall provide all necessary fittings and bends to construct the main in the horizontal position shown on the site plan.

Water Main Profile

Scales: Horiz. 1" = 30'
Vert. 1" = 3'

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WILLIAM N. NORTHERN
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REGISTERED PROFESSIONAL ENGINEER

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

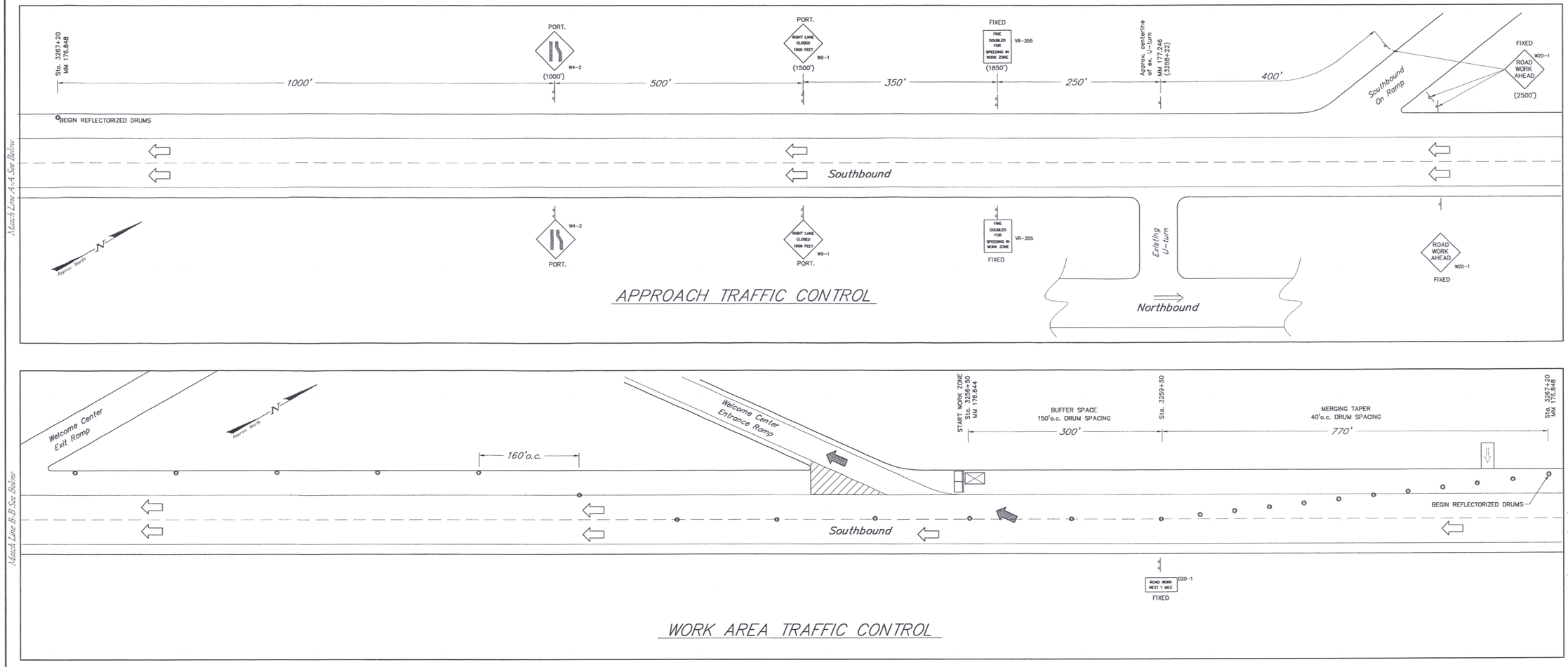
DERBY
VERMONT

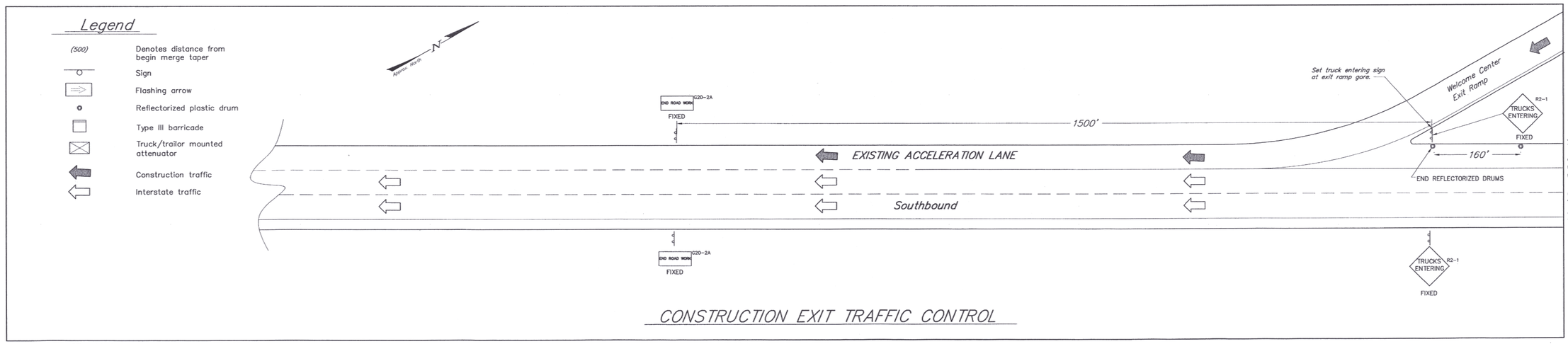
DATE: 01/07/02
SCALE: × AS NOTED
CHECKED:
PROJECT NO:

WATER MAIN PROFILE

SC-22

00137 – P-WATER.dwg





Traffic Notes:

1. All signs designated as FIXED shall remain in place through the entire project duration.
2. All signs to be removed or covered when not needed.
3. Contractor to submit traffic control plan for blasting. Signage to conform to MUTCD and Standard Sheet E-102.
4. Contractor to submit traffic control plan for Louis Street. Signage to conform with MUTCD.

MAIN LINE TRAFFIC CONTROL
DIVIDED HIGHWAY
ONE LANE CLOSED

STATE OF VERMONT
JOHN H. ROSS
No. 10703
REGISTERED
PROFESSIONAL ENGINEER

NORTHERN ARCHITECTS
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STRUCTURAL
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117-54 Post Street
Burlington, VT 05401
802-660-9212

PLUMBING, MECHANICAL AND ELECTRICAL
DUFRESNE-HENRY, INC.
Precision Park
North Springfield, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

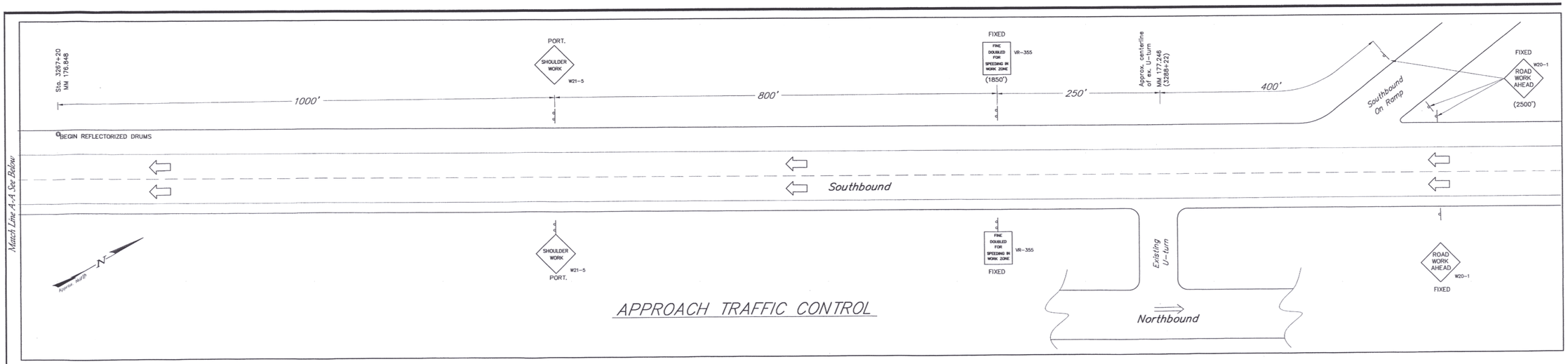
DERBY
VERMONT

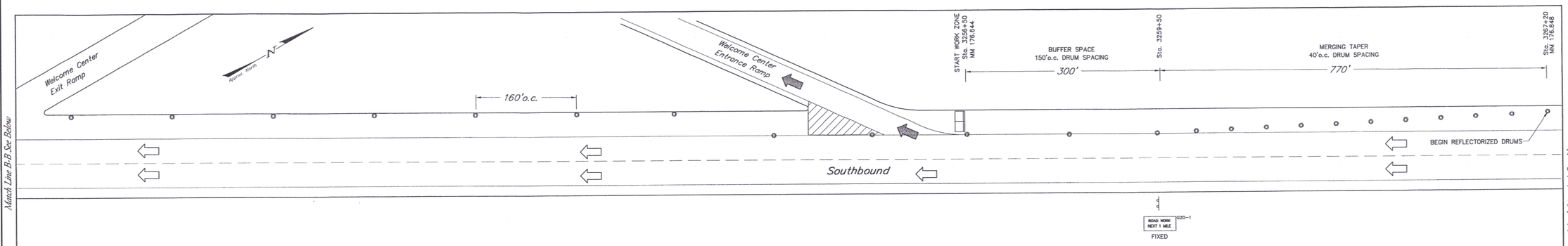
DATE: 01/07/02
SCALE: × N.T.S.
CHECKED:
PROJECT NO:

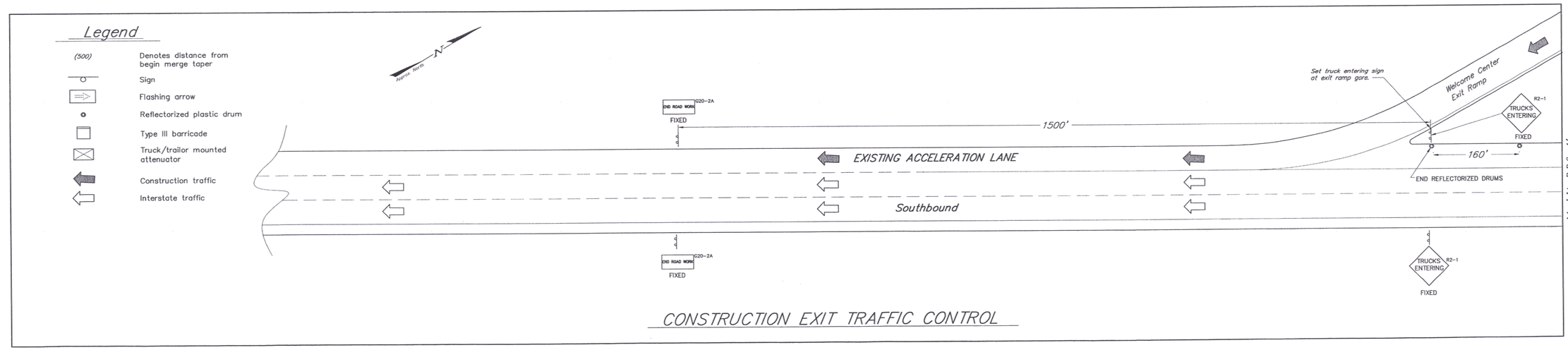
TRAFFIC CONTROL PLAN - ONE LANE CLOSED

SC-23

001.37 – SC-23-24.dwg







Traffic Notes:

1. All signs designated as FIXED shall remain in place through the entire project duration.
2. All signs to be removed or covered when not needed.
3. Contractor to submit traffic control plan for blasting. Signage to conform to MUTCD and Standard Sheet E-102.
4. Contractor to submit traffic control plan for Louis Street. Signage to conform with MUTCD.
5. The Contractor shall establish and maintain traffic control plan for shoulder work area for the entire length of the project EXCEPT when "ONE LANE CLOSED" traffic control plan is used.

MAIN LINE TRAFFIC CONTROL
DIVIDED HIGHWAY
SHOULDER WORK AREA

STATE OF VERMONT
WILLIAM H. KRESS III
NO. 5703
REGISTERED
PROFESSIONAL ENGINEER

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PLUMBING, MECHANICAL AND ELECTRICAL
DUFFY-SHEA-HENRY, INC.
Precision Park
North Springfield, VT 05150
802-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: × N.T.S.
CHECKED:
PROJECT NO:

TRAFFIC CONTROL PLAN - SHOULDER WORK

SC-24

001.37 - SC-23-24.dwg

Road Construction Notes

(All references to road shall apply to road and parking areas as well.)

1. New road shall be constructed to the line and grade shown on the drawings. The road and utility locations shall be as typically detailed unless otherwise shown.
2. All road and parking construction shall be completed in accordance with the Vermont Agency of Transportation "Standard Specifications for Construction" 2001, hereafter called Vermont Highway Specifications, specifications found on these plans, and project specifications. In case of conflict, the more stringent specification shall apply as determined by the Engineer.
3. The Contractor shall follow Vermont Highway Specifications (2001) Section 203.11 for placing and spreading embankments.
4. Fill material for road embankment shall be approved by the Engineer. Fill shall be placed in 12" lifts, wetted and compacted with satisfactory compaction equipment to 95% of maximum density (Standard Proctor).
5. Road in fill sections shall be placed and compacted a minimum of 3 feet above top of any utility to be installed before trench is excavated for pipe placement. In trenches and cut sections, the Contractor shall provide all necessary sheeting, shoring and bracing to maintain compliance with all OSHA/VOSHA regulations.
6. Methods for construction of subgrade shall conform to Vermont Highway Specifications (2001) 203.12 or as determined by the Engineer.
7. Any subgrade or subbase disturbed by Contractor, or rendered unsuitable by construction machinery, shall be removed and replaced with approved granular backfill at the Contractor's expense. The subgrade shall be compacted to attain at least 95% of the maximum density (Standard Proctor) before placing road or embankment materials.
8. The Owner shall pay for on site soils testing (compaction, sieve, and proctor).
9. Sand borrow and cushion shall conform to Vermont Highway Specifications (2001) 703.03. Granular borrow shall conform to the Vermont Highway Specifications 703.04.
10. Gravel subbase for pavement shall conform to Vermont Highway Specifications (2001) 704.05.
11. Leveling course shall conform to Vermont Highway Specifications (2001) 704.05, fine grading. Shoulders shall conform to Section 704.12, Aggregate for Shoulders.
12. Bituminous concrete pavement shall conform to Vermont Highway Specifications (2001) Section 404 and 406. Binder course shall be Type I + II, and finish wearing course shall be Type IV.
13. Embankment fill for road and parking shall be a sieve specification as follows:

Sieve	% Finer
4"	100
2"	85–100
#4	60–100
#100	6 maximum
#200	12 maximum

14. Dense graded crushed stone, crushed gravel and sand borrow shall not be contaminated by work. Construction traffic shall not travel over exposed areas of this material.

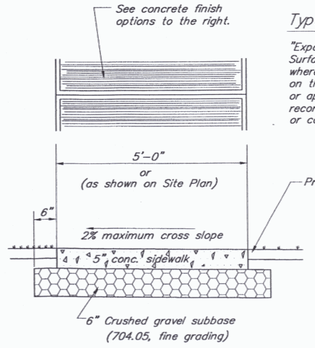
Joint filler shall be resilient non-extruding cellular fiber joint, uniformly saturated with asphalt, offering a minimum of 70% recovery after compression.

All concrete used in the construction of concrete sidewalk shall be air entrained (5 – 7 %) and made with Portland cement. The concrete shall meet section 501 of the State of Vermont Standard Specification for Class A concrete and have 28 day compressive strength of 4,000 psi.

Provide expansion joint where sidewalk meets the curbs, manholes, gate valves, and other structures.

Use anti-spalling compound (Harris Emulsion Kurseal 309 or approved equal) on all concrete sidewalk according to manufacturers recommendations.

Contractor to submit shop drawings of all proposed expansion joint and scoring locations for approval. (For 5' wide sidewalk, expansion joints shall occur at 20' min. The sidewalk should be scored at 5' min.)



Typical Concrete Sidewalk Detail

N.T.S.

Type I Concrete Surface

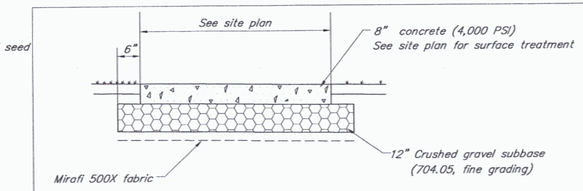
"Exposed Aggregate"
Surface retardant shall be applied where Type 1 concrete finish is specified on the site plan. Use Sika-Rugasol-S or approved equal. Follow manufacturer's recommendations. No troweled expansion or control joints.

Type 2 Concrete Surface

"Colored Concrete"
See Architect's plans and specifications for color and score pattern. Light broom finish. No troweled expansion or control joints.

Type 3 Concrete Surface

"Broom Finish"
Provide broom finish to concrete, and trowel expansion and score joints.



Heavy Duty Concrete Sidewalk Detail

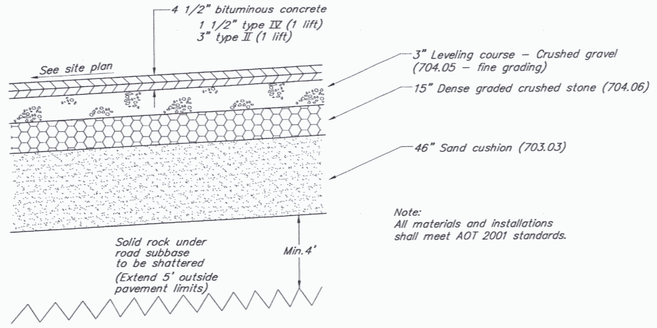
N.T.S.

NOTES:

1. Includes all concrete sidewalk located between CB9 and CB10. (Northeast of proposed Welcome Center) The total area of heavy duty sidewalk in this area does not exceed 20' x 28'.
2. Includes sidewalk south of storage building.
3. Condenser pad (7'x4')

Note:
Use this road/parking cross-section design from station C8+00 to C14+00 and associated parking.

If the elevation of the ledge is less than 83 1/2" below finish grade (above road subbase), some or all of the sand cushion may not be required. Shattered ledge may be left in place instead of sand cushion if the contractor shatters rock to 116 1/2" below finish grade (4' below sand borrow), and the contractor provides a 1 foot vertical to every 25 foot horizontal transition for sand/ledge interface.

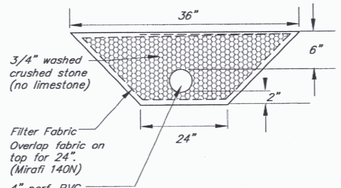


Note:
All materials and installations shall meet AOT 2001 standards.

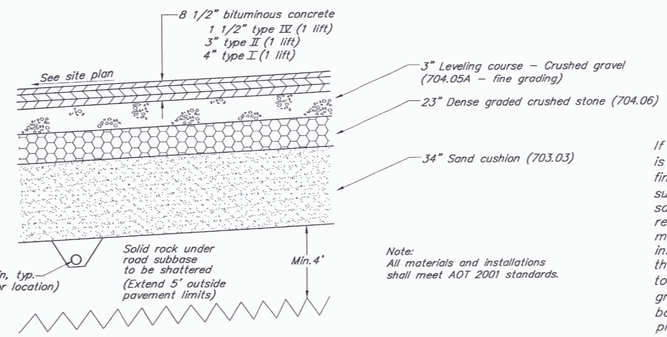
Typical Road Cross Section – Car Area

(STA. C-8+00 TO C-14+00 AND ASSOCIATED PARKING)

N.T.S.



Note:
Use this road/parking cross-section design in all areas outside the areas designated above.



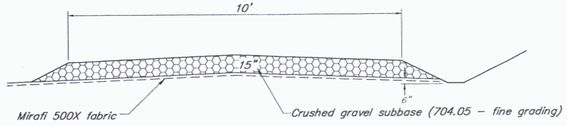
Note:
All materials and installations shall meet AOT 2001 standards.

If the elevation of the ledge is less than 83 1/2" below finish grade (above road subbase), some or all of the sand cushion may not be required. Shattered ledge may be left in place instead of sand cushion if the contractor shatters rock to 116 1/2" below finish grade (4' below sand borrow), and the contractor provides a 1 foot vertical to every 25 foot horizontal transition for sand/ledge interface.

Typical Road Cross Section – Truck Area

(ALL REMAINING PAVED AREAS OUTSIDE THE AREAS DESIGNATED ABOVE)

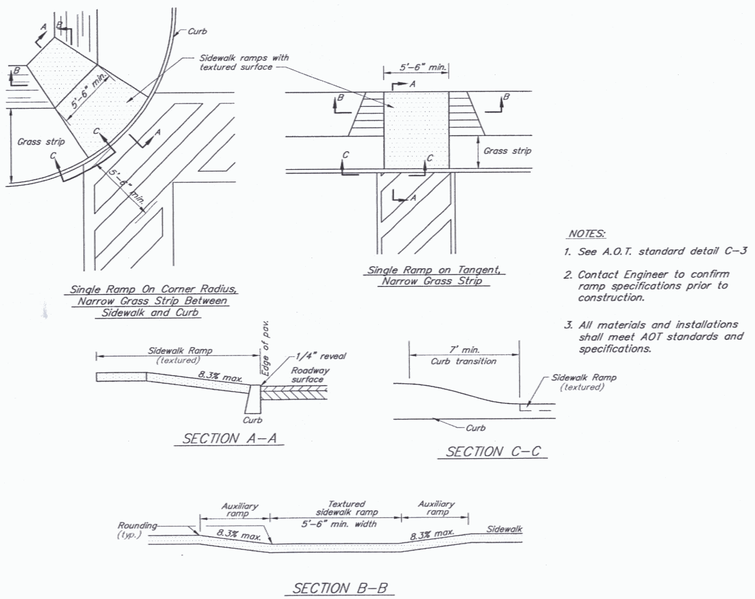
N.T.S.



Gravel Maintenance Road Detail

(Next to stormwater detention facility) n.t.s.

Note:
All materials and installations shall meet AOT 2001 standards.



Sidewalk Ramp Detail

N.T.S.

NOTES:

1. See A.O.T. standard detail C-3
2. Contact Engineer to confirm ramp specifications prior to construction.
3. All materials and installations shall meet AOT standards and specifications.

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: · AS NOTED
CHECKED:
PROJECT NO: 00137

DETAILS

SC-25

00137 – SC-25.dwg

Construction Notes

1. The Contractor will be responsible for all construction of water main, storm and sanitary sewer systems as shown on the plans. The Contractor will be responsible for all necessary adapters, fittings, etc. to make connections to the existing and proposed units. The Contractor shall be responsible for all work shown or implied on the plans and/or referenced in the specifications and permits. The Contractor shall submit, for approval by the Engineer, all types of materials and products used.

Water Main

1. The pipe for water main shall be CL52 ductile iron. Ductile iron fittings shall conform to AWWA C110, 350 pounds working pressure. Valves shall be manufactured to meet all requirements of AWWA specification C509.

1A. The pipe for water service shall be copper type k. Copper tubing shall meet the requirements of Federal Specification WW–T 7996 and shall conform to ASTM specification B–75, B–88 and B–68 as they apply to type k copper tubing.

2. All pipe shall be installed in accordance with AWWA C600. The pipe shall be kept free of foreign matter and debris during installation. When the process of pipe laying has stopped, any open ends of pipe shall be plugged. There shall be a minimum of 6'–0" (1.82 m) cover over all pipe and service lines. Any pipe deflection shall not exceed fifty (50%) percent of recommended manufacturer's maximum deflection. Backfill materials and procedures shall be as detailed on the drawings. The Contractor shall be responsible for any and all sheeting and/or shoring necessary to comply with OSHA – VOSHA regulations.

3. The testing of the water main shall consist of the testing of all installed pipe, services and hydrants in accordance with AWWA C600 (except as noted). The testing shall consist of a pressure test and leakage test. All testing shall be done with potable water and in the presence of the Engineer. The pressure test consists of maintaining a minimum internal pipe pressure of 200 psi (140,620 kg/m^2)for two (2) hours. If the pressure drops more than 5 psi (3515 kg/m^2) in the first hour, this constitutes failure of the test for the particular section of pipe. Failure of any test section will necessitate repair and/or replacement of the failed section.

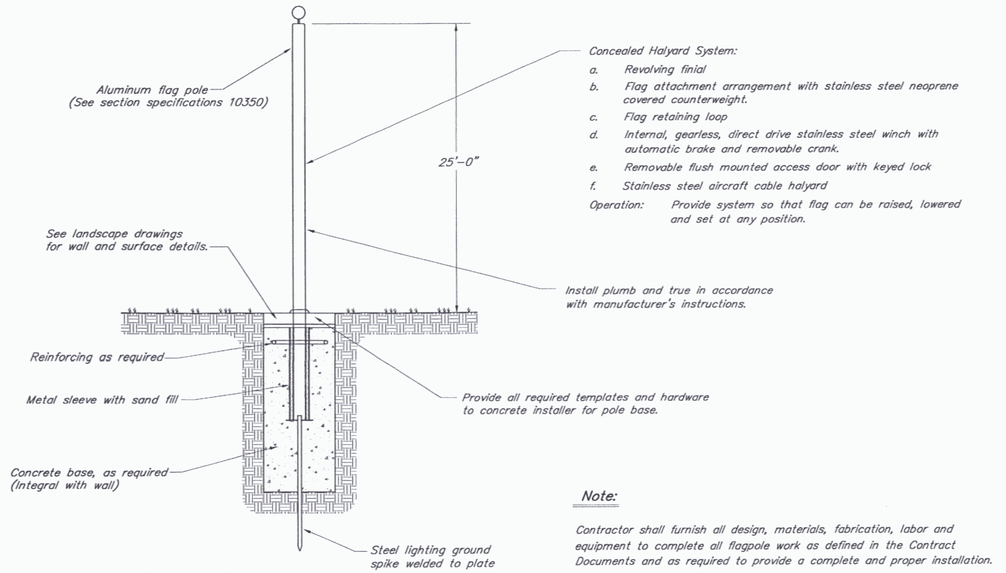
4. Chlorination of the system shall be accomplished after the water main has been successfully pressure tested and thoroughly flushed. Disinfection shall be in accordance with AWWA C–651. The disinfection process shall be deemed acceptable only after two samples of water from the flushed disinfected main shows no evidence of bacteriological contamination. Use minimum 50 mg/l chlorine concentration for 24 hours. The concentration must remain above 25 mg/l. Tablet disinfection is not acceptable.

Testing and Notes

1. In addition to the above requirements, all water lines and sewer lines and manholes shall be thoroughly tested by the Contractor in accordance with the Environmental Protection Rules 8/8/96, and A.O.T standards.

2. No water main shall be closer than ten (10) feet to any sanitary sewer, storm sewer or sanitary manhole and five (5) feet to any catch basin. Provide minimum of 18" vertical separation between water main and storm/sanitary sewer.

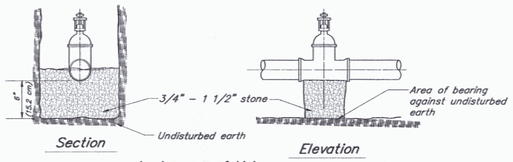
3. The Contractor shall keep a log book of at least three swing ties to service locations, and any water main fittings. Books shall be turned over to the State of Vermont upon acceptance of the work. Elevations to the top of services shall also be recorded.



Note:

Contractor shall furnish all design, materials, fabrication, labor and equipment to complete all flagpole work as defined in the Contract Documents and as required to provide a complete and proper installation.

FLAGPOLE DETAIL
N.T.S.

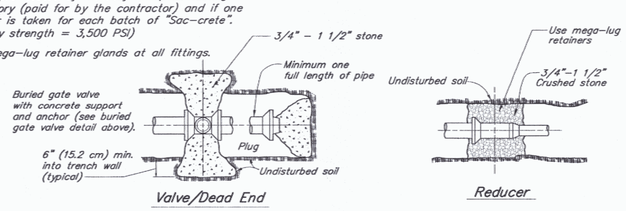


Section — Elevation

Anchorage of Valves

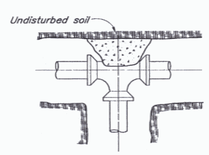
Note

1. A thrust block shall be installed at all water main bends, end caps, and tees.
2. Precast thrust blocks are not acceptable.
3. "Sac–crete" may be used for thrust blocks only if mix is pre–tested by mutually accepted testing laboratory (paid for by the contractor) and if one cylinder is taken for each batch of "Sac–crete". (28 day strength = 3,500 PSI)
4. Use mega–lug retainer glands at all fittings.



Valve/Dead End

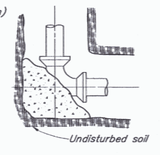
Reducer



Tee

Note: Place 3 mil. (minimum) polyethylene sheet between all concrete thrust blocks and pipe/or fittings to prevent bond.

Concrete shall not cover bolts, etc. of fittings.



90°,45°,22 1/2°
or 11 1/4° Bend

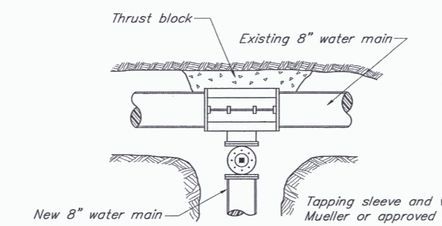
Thrust Block Details

N.T.S.

Minimum Area of Bearing Surface of Concrete Thrust Block (in square feet)

3"				4"				6"				8"				12"				SOIL CONDITION	SAFE BEARING LOAD(PSF)
ENDS & TEES	VALVES 90° ELB.	REDUC. 45° ELB.	22.5° ELB.	ENDS & TEES	VALVES 90° ELB.	REDUC. 45° ELB.	22.5° ELB.	ENDS & TEES	VALVES 90° ELB.	REDUC. 45° ELB.	22.5° ELB.	ENDS & TEES	VALVES 90° ELB.	REDUC. 45° ELB.	22.5° ELB.	ENDS & TEES	VALVES 90° ELB.	REDUC. 45° ELB.	22.5° ELB.		
0.5	0.5	0.5	0.5	0.5	1.0	0.5	0.5	1.0	1.5	1.0	0.5	2.0	2.5	1.5	1.0	4.0	5.5	3.0	1.5	Sound shale	10,000
1.0	1.0	1.0	0.5	1.5	2.0	1.0	0.5	3.0	4.0	2.0	1.0	4.5	6.5	3.5	2.0	10.0	14.0	7.5	4.0	Cemented gravel & sand	4,000
1.0	1.0	1.0	0.5	2.0	0.5	1.5	1.0	3.5	5.0	3.0	1.5	6.0	8.5	5.0	2.5	13.0	18.5	10.0	5.0	Coarse & fine compact sand	3,000
1.5	2.5	1.5	1.0	2.5	3.5	2.0	1.0	5.5	7.5	4.0	2.0	9.0	13.0	7.0	3.5	20.0	27.5	15.0	8.0	Medium clay (can be spaded)	2,000
3.0	4.5	2.5	1.5	5.0	7.0	4.0	2.0	10.5	15.0	8.0	4.0	18.0	25.0	14.0	7.0	39.0	55.0	30.0	15.0	Soft clay	1,000

Maximum water pressure = 200 PSI (140,620 kg/m^2)

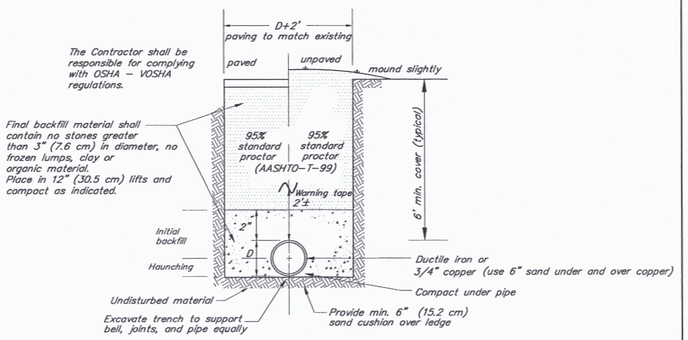


Contact the Engineer 48 hours prior to tap.

Wet tap shall be installed by persons approved by State of Vermont and Engineer.

Typical Tapping Sleeve and Valve

N.T.S.



Typical Water Trench Details

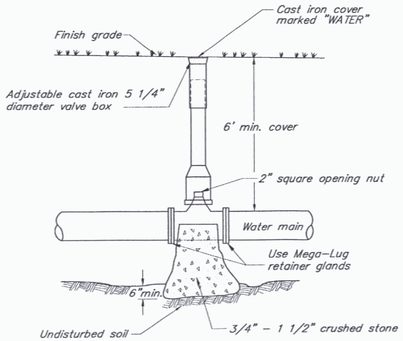
N.T.S.

Stormwater System Maintenance Schedule

1. The stormwater system is comprised of any portion of the site that directs or conveys water.
2. All ditches and swales must be inspected regularly and repaired as required. Special attention must be given to winter time ice conditions.
3. The detention basin must be inspected quarterly and after rainstorms of 1/2" or greater. Clean and/or repair as required.

* Contractor to provide gate valve wrench to Owner at substantial completion of the project.

1. Gate valves shall be A.W.W.A. C 509 Standard Gate Valves with mechanical joints of sizes as required on the plans. All valves shall be of ductile iron.
2. All valves shall be of cast or ductile iron body, parallel brass seats, non–rising stem, inside screw, double disk construction with "O" Ring Stem Seals.
3. The gate valves shall open counterclockwise and be designed for a working pressure of 200 psi.
4. All valves to be equipped with a valve box for a minimum of 6 feet (6') of cover material.



Typical Resilient Seat Gate Valve

N.T.S.

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: - AS NOTED
CHECKED:
PROJECT NO: 00137

DETAILS

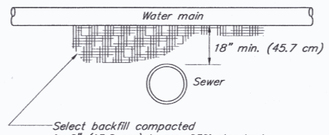
SC-26

00137 – SC–26.dwg

Construction Notes

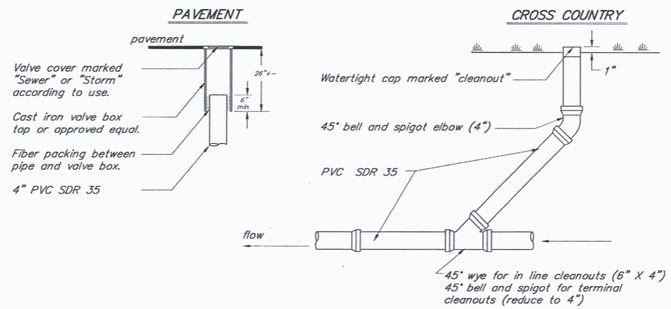
1. The methods and materials of construction shall conform to the latest standards of the State of Vermont. All work shall be in conformance with all permits and approvals issued for the project. In case of conflict, the more stringent specification shall apply as directed by Engineer. All work shall be done in a workmanlike manner and completed in the time specified by Owner.
2. The Contractor shall be responsible for all work and materials shown and required to make the job complete. These drawings do not show every fitting or appurtenance. Materials shall be as specified on the drawings. Manufacturer's product specifications shall be submitted for all materials to the Engineer for approval prior to installation.
3. The location and size of existing underground utilities is not warranted to be exact or complete. The Contractor shall field locate all utilities and shall contact the affected utility company, the Engineer and the State of Vermont prior to making any hook ups. The Contractor shall be solely responsible for all existing utilities and their uninterrupted services. All off-site backfill, sheeting and shoring, dewatering, clearing and grubbing, erosion control, dust control, traffic control, grading, and all incidentals shall be included as part of the required work.
4. Repair of all disturbed areas, grading, seeding, mulching, repair of roads and curbs, paving, and other incidentals are included as part of the required work. All disturbed areas shall be loamed and mulched until permanent ground cover is established.
5. The Contractor shall verify all horizontal control and temporary bench marks before use.
6. The workmen and public shall be protected by the Contractor from any and all hazards connected with the construction work. Open trenches, materials, or equipment within the working limits are to be guarded by the use of adequate barricades or flagmen. All barricades left in position overnight are to be properly lighted. Kerosene pots are not acceptable. When work narrows the usable pavement, flagmen shall be employed to aid the flow of traffic so that there will be no undue delays. The Contractor shall be held responsible for the safety of all workmen and the general public and all damages to property occurring from or upon the work occasioned by negligence or otherwise growing out of a failure on the part of the Contractor to protect persons or property from hazards of open trenches, materials, or equipment at any time of the day or night within the working area. All work shall be in conformance to OSHA regulations, Title 19, Parts 1926.651 and 1926.652, and applicable to VOSHA regulations.
7. The Contractor shall verify all utility intersections and contact Engineer and Owner with conflicts.
8. The Contractor shall call Dig Safe prior to any excavation.
9. Layout of site plan was provided by Northern Architects.
10. The Contractor shall coordinate final location and inverts for water, sewer, and storm building connections with the Architect, Structural Engineer, and Mechanical Engineer.
11. All new storm pipes greater than 10" shall be laid with a laser to elevation and slope as shown on the plans.
12. The Contractor shall sawcut all existing pavement to be removed. The Contractor shall minimize the pavement area disturbance from trench excavation and/or regrading.
13. The Contractor shall be responsible for all construction layout.

NOTES:
1. The location of sewer mains in relation to water mains shall be in accordance with the "Recommended Standards for Sewage Works" so-called Ten State Standards and Water Supply Rules.
2. Sewers shall be laid at least 10 feet (3.0 m) horizontally from any existing or proposed water main. The distance shall be measured edge to edge. If this distance cannot be obtained, then the pipes shall be installed according to EPR, Chapter 1, Appendix 1A, 11a.
3. 18" (45.7 cm) separation shall be maintained whether water is over or under sewer. If this distance cannot be obtained, then the pipes shall be installed according to EPR Chapter 1, 11b.

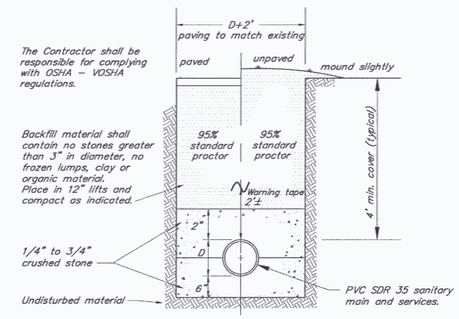


Crossings:
Sewers crossing water mains shall be laid beneath the water main with at least 18 inches vertical clearance between the outside of the sewer and the outside of the water main. When it is possible to maintain the 18" vertical separation:
1.) the crossing shall be arranged so that one full length of sewer is centered above or below the water line with sewer joints as far as possible from water joints;
2.) the sewer pipe must be constructed to water main standards for a minimum distance of 20 feet either side of the crossing or a total of three pipe lengths, whichever is greater;
3.) the section constructed to water standards must be pressure tested to maintain 50 psi for 15 minutes without leakage prior to backfilling beyond one foot above the pipe to assure water tightness;
4.) where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to prevent damage to the water main.

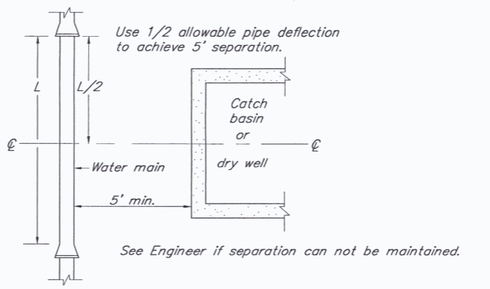
Sewer / Water Separation Detail
N.T.S.



Sanitary / Storm Cleanout Detail
N.T.S.



Typical Sanitary Trench Details
N.T.S.



Catch Basin / Water Separation
N.T.S.

General Grading and Site Work Notes

1. Temporary silt fence shall be erected prior to any clearing or construction. Fencing may be erected in phases, but in no case shall construction of clearing proceed fencing. Special areas may be designated by the Owner for preservation of existing trees. These areas shall be the Contractor's responsibility to insure no damage is done to designated trees.
2. Existing plantings are located in general areas as shown on this plan. Contractor shall protect plantings so as not to damage these or their root systems.
3. Slope stability based upon unsaturated soil conditions. If during construction saturated soils are encountered, contact the Engineer immediately.

* See Conservation Grass Establishment Specifications - Section 02955

Sanitary & Storm Mains

1. The pipe and fittings for sanitary sewer shall meet the requirements of ASTM specification D3034 for 4" - 15" SDR 35 and F679 for 18" - 27". All pipe shall be laid to the line and grade shown on the plans.
2. The pipe for storm sewer shall be as shown on the plans and detailed below: All pipe shall be laid to the line and grade as shown on the plans.

RCP	-	Reinforced concrete pipe	- Pipe shall conform to Vermont Standard Specifications for Construction, Section 710, and AASHO, N170.
ADS N12	-	Corrugated polyethylene pipe	- Pipe shall conform to AASHTO M294-90, Type S. (ADS N12 or approved equal)
PVC SDR 35	-	Polyvinyl chloride pipe	- Pipe shall conform to ASTM Specification D-3034 or F679, (PVC) Sewer Pipe and Fittings, SDR35.
ACCGMP	-	Corrugated galvanized metal pipe	- Pipe shall conform to standard specifications for CGM pipe, AASHTO, M190. Pipe shall have a polymeric coating conforming to AASHTO M 246 Type B. Where indicated, Contractor shall install 24" wide bands with a watertight gasket in lieu of standard pipe collars.

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REVISIONS

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DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
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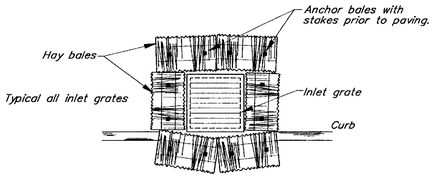
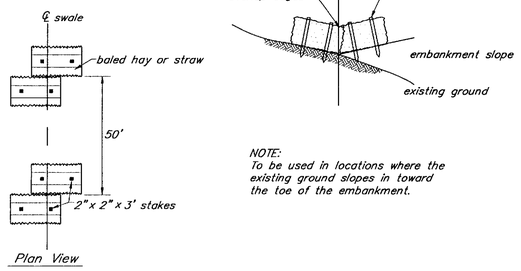


Inlet Protection

N.T.S.

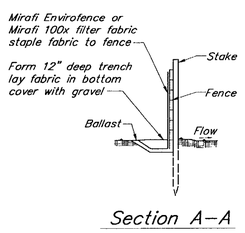


NOTE:
To be used in locations where the existing ground slopes in toward the toe of the embankment.

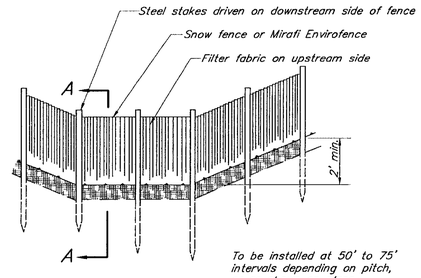
Baled Hay or Straw Erosion Checks

N.T.S.

Note:
Sediment shall be cleaned out when it has reached half the height of the fence or before major predicted rainfall events. Remove silt fence after successful establishment of vegetation.



Section A–A



To be installed at 50' to 75' intervals depending on pitch, or as shown on plans.

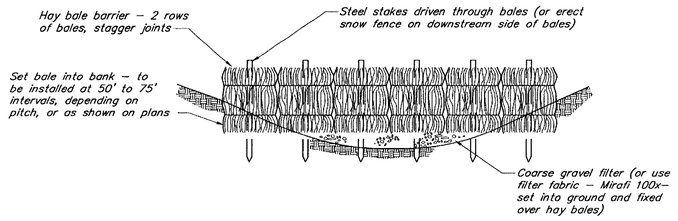
Typical Temporary Silt Fence Erosion Control Barrier

N.T.S.

Erosion Control Notes

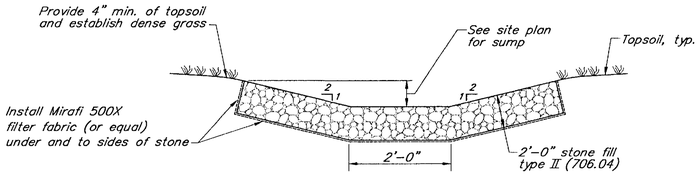
1. The limit of disturbance shall be clearly defined by Contractor's surveyor prior to clearing. Erosion control shall be established to trap sediment on site.
2. The site shall then be cleared and grubbed. All roots, stumps and deleterious materials shall be removed from the site. The Contractor shall minimize the amount of disturbed land at any given time.
3. All erosion controls shall be installed as detailed in the publication Vermont Handbook for Soil Erosion and Sediment Control on Construction Sites.
4. All erosion control shall be placed as shown on the drawings or as ordered by the Engineer. The Contractor shall maintain the erosion control measures until the Engineer is satisfied that permanent ground cover is established and that further measures are not required.
5. The erosion controls shall be checked regularly by the Engineer. Any necessary repairs or modifications shall be immediately completed by the Contractor.
6. All excess material and topsoil shall be stockpiled in areas approved by the Engineer. These stockpiles shall be surrounded by hay bale erosion control dams and shall be seeded and mulched to minimize erosion potential as directed by Engineer.
7. As disturbed areas are graded and topsoiled, they will be seeded and mulched to reduce the erosion potential of the soil.
8. Any drainage swales with a slope greater than 5% shall use a stone lining for stabilization. See Engineer for detail.
9. When erosion control measures are deemed no longer necessary, all materials detained, including silts and construction runoff debris, shall be collected and disposed of in a manner acceptable to the Engineer.
10. The Contractor shall use water and/or calcium chloride for dust control.
11. The Contractor shall provide hay bale inlet protection around each catch basin prior to pavement and turf establishment.
12. The Contractor shall sweep all existing roadways and new pavement as required and directed by the Engineer to maintain dust control.
13. All erosion controls shall be installed prior to October 1 for winter construction.
14. Additional erosion controls shall be installed as directed by the Site Engineer.
15. The Owner's Representative will regularly inspect the erosion controls in place to ensure their proper installation.
16. All disturbed areas not involved in winter construction shall be mulched and seeded before October 1.
17. All winter construction areas will be stabilized by mulch for winter/spring meltdowns and when winter construction has halted.

Note:
Sediment shall be cleaned out when it has reached half the height of the hay bale or before major predicted rainfall events. Remove hay bales after successful establishment of vegetation.



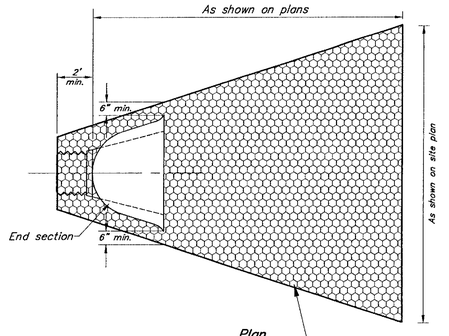
Typical Temporary Hay Bale Erosion Control Barrier

N.T.S.

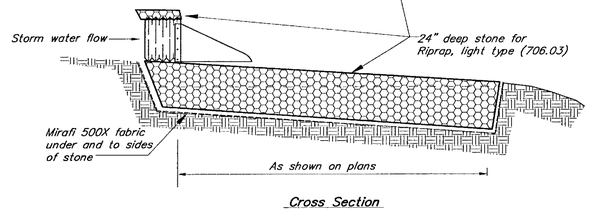


Stone Lined Swale

N.T.S.



Plan



Cross Section

Typical Riprap Detail

nts

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REVISIONS

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PROJECT #IM 091-3(8)

NEW FACILITY

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DETAILS

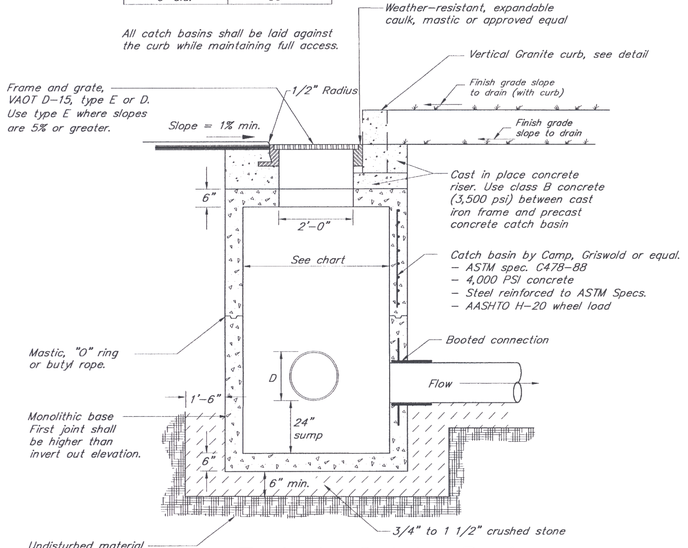
SC-28

00137 – SC-28.dwg

Catch Basin Size	Max. Pipe Diameter
3' dia.	12"
4' dia.	24"
5' dia.	30"
6' dia.	36"

The catch basin size shall be larger than indicated in the adjacent chart if the recommended number of pipes penetrating the catch basin is exceeded.

All catch basins shall be laid against the curb while maintaining full access.



Typical Catch Basin

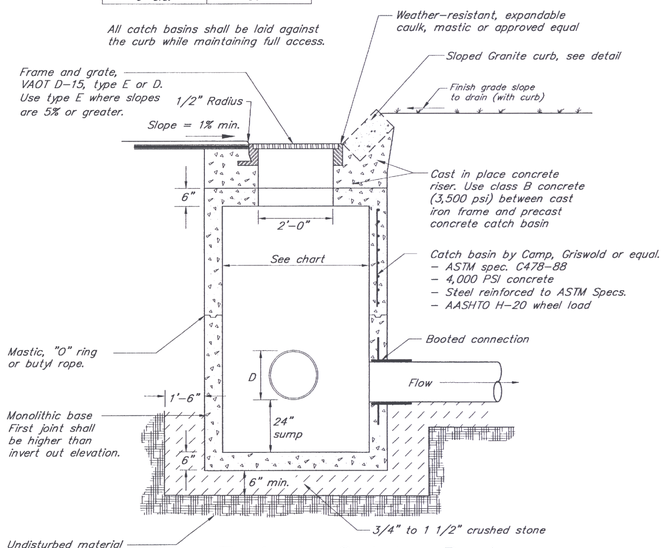
N.T.S.

(with vertical concrete curb)

Catch Basin Size	Max. Pipe Diameter
3' dia.	12"
4' dia.	24"
5' dia.	30"
6' dia.	36"

The catch basin size shall be larger than indicated in the adjacent chart if the recommended number of pipes penetrating the catch basin is exceeded.

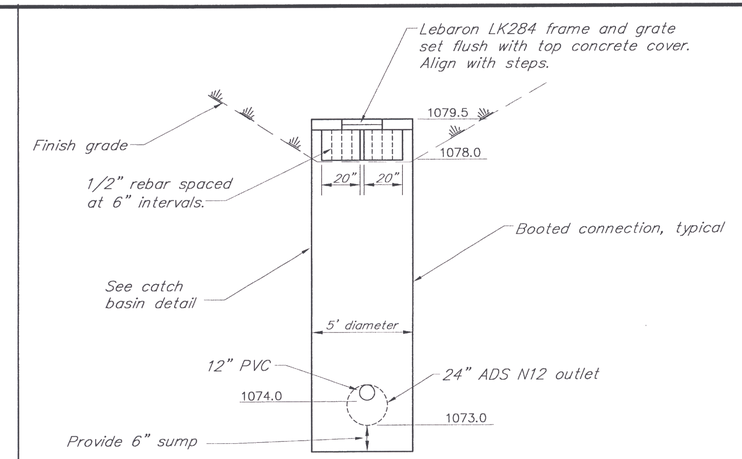
All catch basins shall be laid against the curb while maintaining full access.



Typical Catch Basin

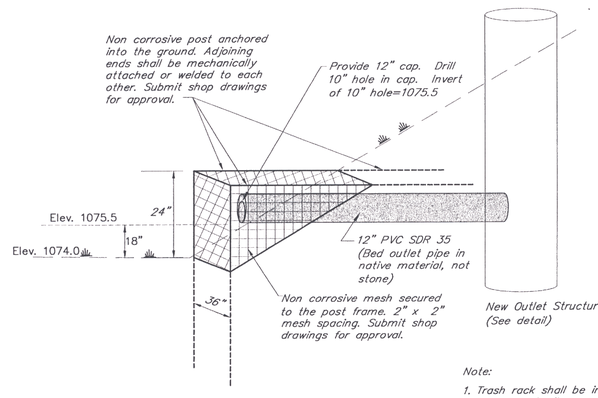
N.T.S.

(with sloped concrete curb)



New Outlet Structure Detail

N.T.S.

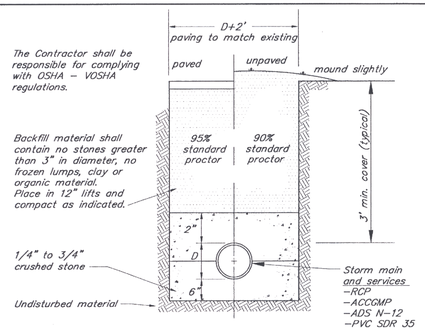


Trash Rack Detail

N.T.S.

Note:

1. Trash rack shall be inspected weekly and after every storm and cleaned as required.

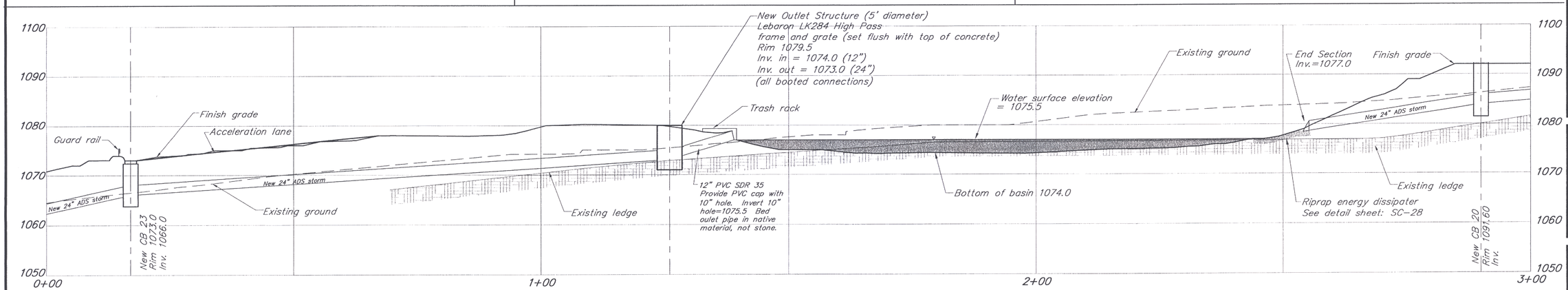


Typical Storm Trench Details

N.T.S.

Stormwater System Maintenance Schedule

1. The stormwater system is comprised of any portion of the site that directs or conveys water.
2. The stormwater system must be inspected regularly and repaired as required. Special attention must be given to winter time ice conditions.



Proposed Stormwater Detention/Sedimentation Basin

Scale: Horizontal 1" = 10'
Vertical 1" = 10'

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WILLIAM R. NORTHERN
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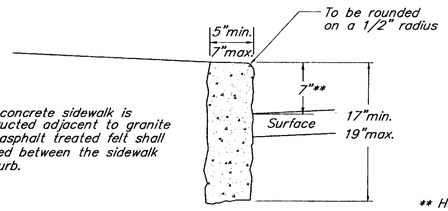
SC-29

00137 – SC-29.dwg



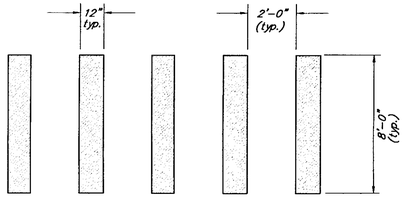
When concrete sidewalk is constructed adjacent to granite curb, asphalt treated felt shall be used between the sidewalk and curb.

NOTE:

** Height not to exceed 4" where design speed ≥ 40 MPH or is installed adjacent to guardrail (standard shape to be buried to this depth)

Vertical Granite Curb

N.T.S.

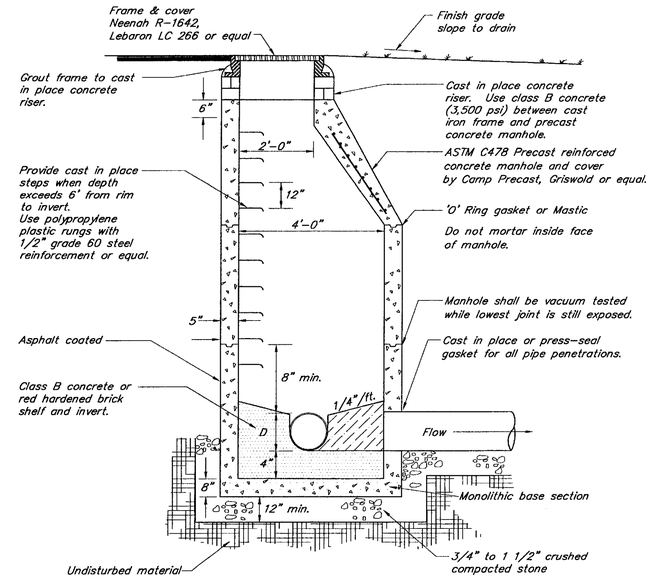


Crosswalk Pavement Marking Detail

N.T.S.

Pavement Marking Notes:

1. All markings shall meet the requirements for the Manual of Uniform Traffic Control Devices (section 3B-23) and Vermont Pavement Marking Placing Guidelines
2. Acceptable thermoplastic pavement markings shall be one of the thermoplastic pavement markings on the approved list on file at the Agency's Materials and Research Section. (See section 708.10 of the State of Vermont Agency of Transportation Standard Specifications for Construction 2001)

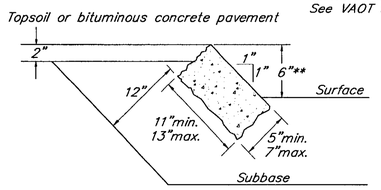


Typical Precast Manhole

N.T.S.

Edging to be placed prior to placing top surface course.

Joints between stones to be mortared. See VAOT Standard Specifications.

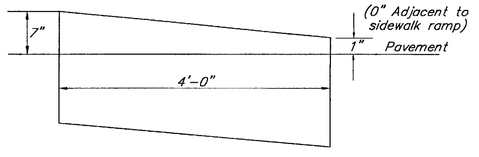


NOTE:

** Height not to exceed 4" where design speed ≥ 40 MPH or is installed adjacent to guardrail (standard shape to be buried to this depth)

Granite Slope Edging

N.T.S.



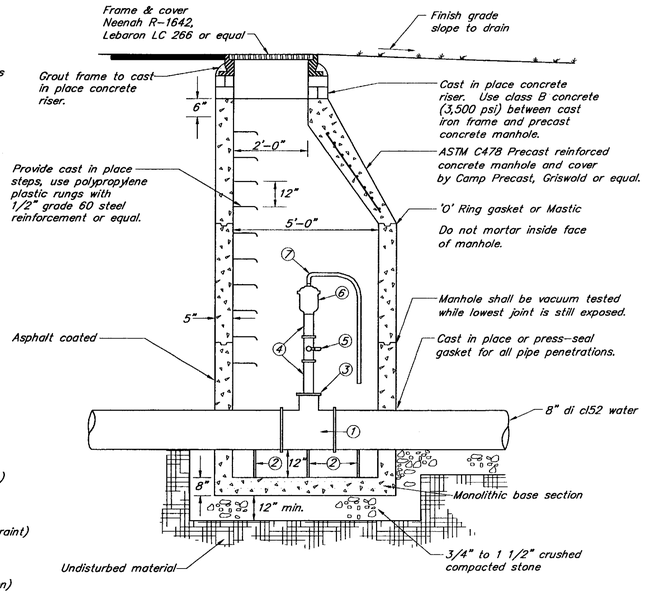
Joints between stones to be mortared. See VAOT Standard Specifications.

Granite Curb End for Vertical Granite Curb

N.T.S.

Maintenance Notes:

1. The manhole should be checked monthly and pumped out if water depth exceeds 6".
2. Follow all necessary enclosed space regulations if personal enters manhole.

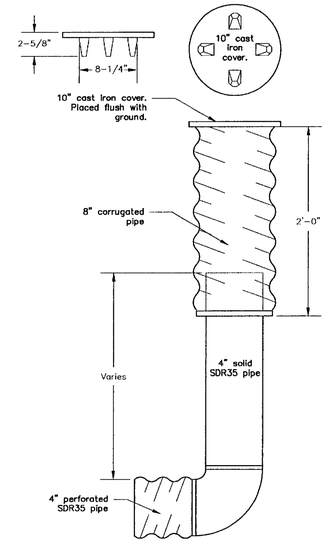


Schedule

1. 8"x8"x4" M.J. Tee (with Mega-lug restraint)
2. Adjustable pipe supports
3. 4" Threaded M.J. Plug (with Mega-lug restraint)
4. 2" Galvanized Pipe
5. 2" Full Port Ball Valve Brass (normally open)
6. Cast Iron Air Release Valve (APCO Model 200/2")
7. Discharge Tube (Extend away from air release) Maintain end of tube min. 24" above floor.

Typical Air Release / Vacuum Cleanout Manhole

N.T.S.



Underdrain Flushing Basin

N.T.S.

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802-658-1953

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

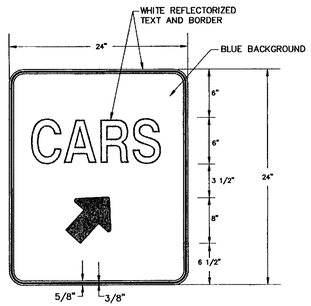
DERBY
VERMONT

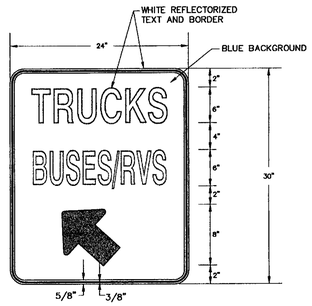
DATE: 01/07/02
SCALE: · AS NOTED
CHECKED:
PROJECT NO: 00137

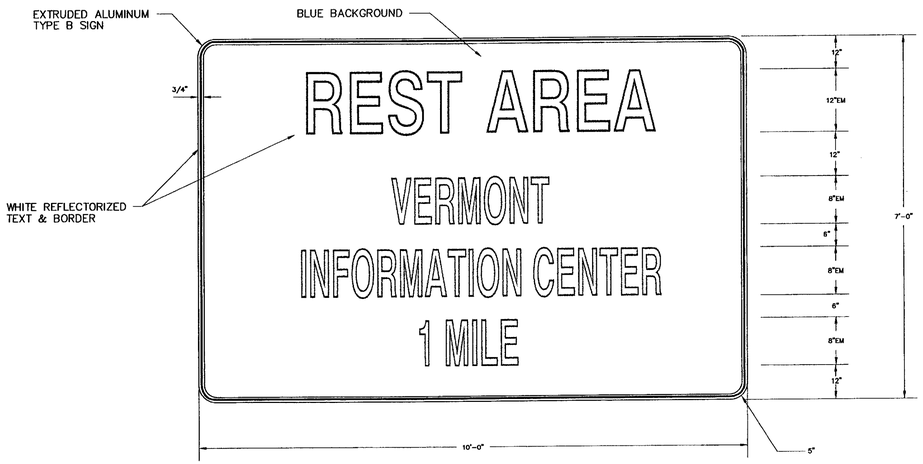
DETAILS

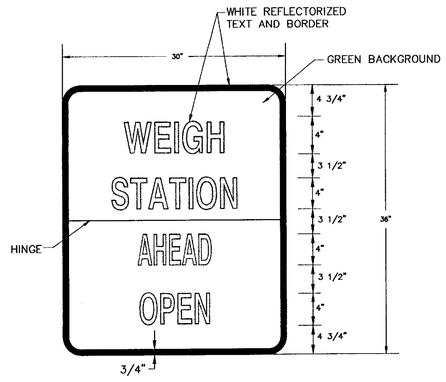
SC-30

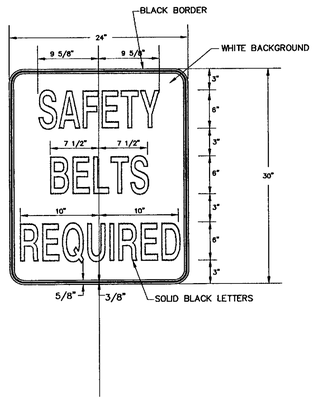
00137 – SC-30.dwg

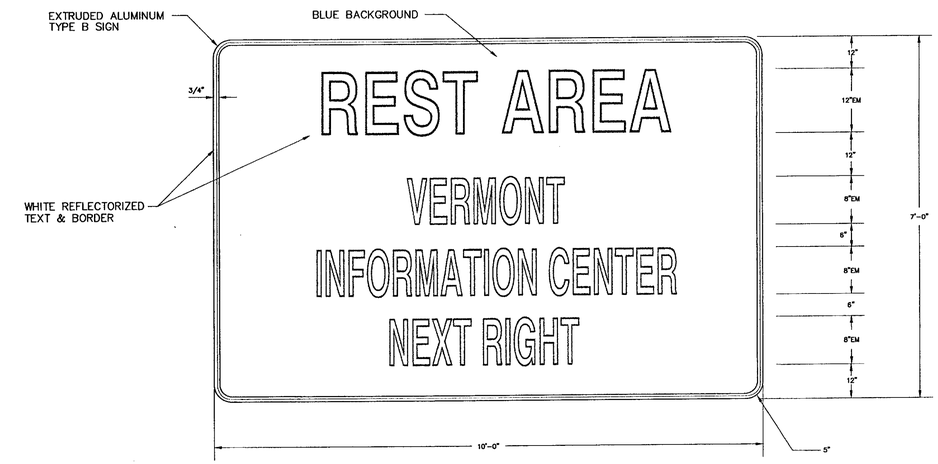


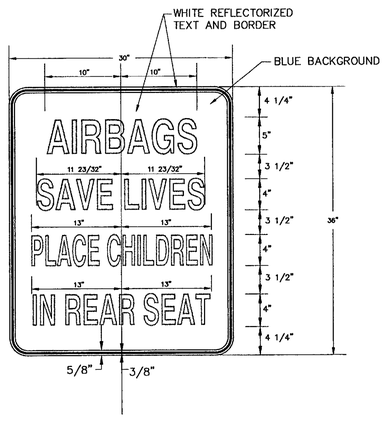












NO. 8203
REGISTERED PROFESSIONAL ENGINEER
STATE OF VERMONT

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802-886-2261

REVISIONS

PROJECT

DERBY
WELCOME
CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: · AS NOTED
CHECKED:
PROJECT NO: 00137

DETAILS

SC-31

00137 – SC-31.dwg

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET

TABLE OF PROJECT PROPERTY ACQUISITION

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
1	FORTIN, LUCIEN J. & JEANNETTE T.	1	W. 15+45 LT.	W. 16+27 LT.			INSTALL & MAINTAIN (P) 865 SF±						8" WATER LINE
			W. 15+45 LT.	W. 16+27 LT.			INSTALL (T)						SILT FENCE
	(SEE PLAN SHEET SC-8 =		W. 15+30 LT.				REMOVE & RESET (T)						TREE
	ROW SHEET 1 OF 2 - LAYOUT)		W. 16+00 LT.				REMOVE & RESET (T)						TREE
			W. 16+20 LT.				REMOVE & RESET (T)						TREE
2	DAGESSE, LEO R. & JEAN CAREY	1	W. 15+45 RT.	W. 16+27 RT.			INSTALL & MAINTAIN (P) 699 SF±						8" WATER LINE
	DAGESSE, LEO R. & JEAN CAREY		W. 15+45 RT.	W. 16+27 RT.			INSTALL (T)						SILT FENCE
			W. 15+45 RT.	W. 15+80 RT.			INSTALL (T)						SNOW FENCE
	(SEE PLAN SHEET SC-8 =												
	ROW SHEET 1 OF 2 - LAYOUT)												

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

R. O. W. PLANS

DR. (P) - DRAINAGE RIGHT
DIT. (P) - DITCHING RIGHT
CH. (P) - CHANNEL RT.
DRIVE (T) - DRIVE RIGHT
CUL. (P) - CULVERT RIGHT
[W] - WATER SOURCES

PRESENT R. O. W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINE
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT

LEGEND

C&T (P) — CLEARING & TRIMMING
CZ (P) — CLEAR ZONE
CONST (T) — CONSTRUCTION EASEMENT
SR SR — SLOPE RIGHTS
P L — PROPERTY LINE
TOP OF CUT
TOE OF SLOPE
UE (P) — PERMANENT UTILITY EASEMENT

APPROVED: ROGER P. DUMAS DATE: 11-21-01
CHIEF, PLANS & TITLES

ROW SHEET 2 OF 2 - DETAILS

STATE OF VERMONT
WILLIAM H. NEDDO
NO 5703
REGISTERED
PROFESSIONAL ENGINEER

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54 ROUTE 106, PRECISION PARK
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802-886-2261

REVISIONS
2-7-02 LINE TYPES
2-28-02 NAMES, (T)'s added

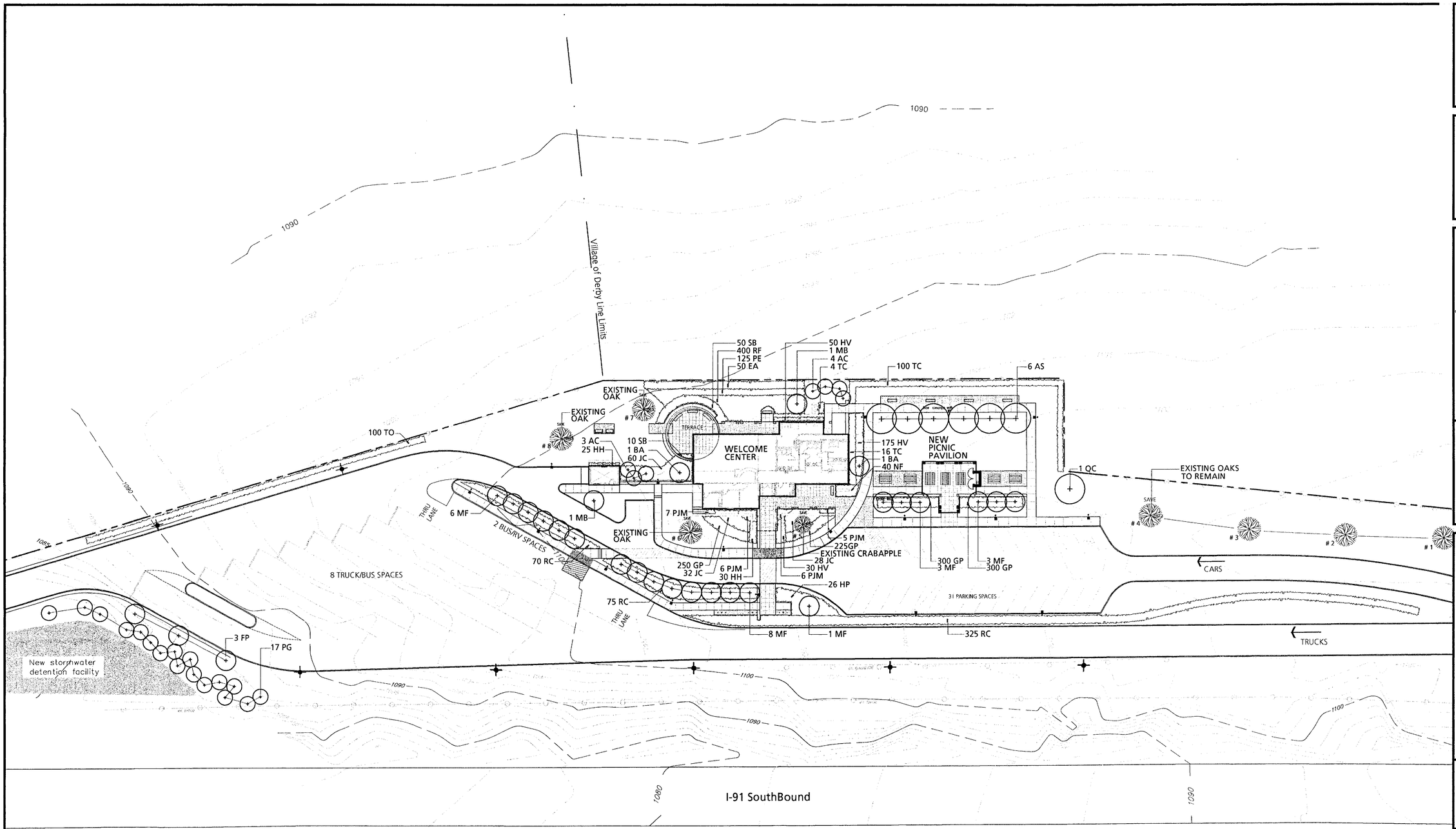
PROJECT
DERBY WELCOME CENTER
PROJECT #IM 091-3(8)
NEW FACILITY
DERBY
VERMONT

DATE: 01/07/02
SCALE: · AS NOTED
CHECKED:
PROJECT NO: 00137

WATER MAIN EASEMENT
DETAIL SHEET

SC-32

00137 SC-32-ROW.dwg



PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COND.	SPACING
DECIDUOUS TREES						
AC	12	Amelanchier canadensis	SERVICEBERRY	8' - 10' ht. min. (multi-stem)	B&B	Plant as shown
AS	6	Acer saccharum	SUGAR MAPLE	3"-3 1/2" CAL.	B&B	Plant as shown
BA	2	Betula alba	WHITE BIRCH	8' - 10' ht. min. (multi-stem)	B&B	Plant as shown
FP	3	Fraxinus pennsylvanica	GREEN ASH	3"-3 1/2" CAL.	B&B	Plant as shown
MB	2	Malus baccata	SIBERIAN CRABAPPLE	2"- 2 1/2" cal.	B&B	Plant as shown
MF	21	Malus floribunda	JAPANESE FLOWERING CRABAPPLE	2"- 2 1/2" cal.	B&B	Plant as shown
QC	1	Quercus coccinea	SCARLET OAK	3"-3 1/2" CAL.	B&B	Plant as shown
EVERGREEN TREES						
PG	17	Picea glauca	WHITE SPRUCE	6'- 8' ht.	B&B	Plant as shown
DECIDUOUS SHRUBS						
EA	50	Euonymus alatus compacta	DWARF BURNING BUSH	18"- 24" ht.	B&B	Plant as shown
HP	26	Hydrangea paniculata tardiva	TARDIVA HYDRANGEA	24"- 30" ht.	B&B	Plant as shown
RC	470	Rosa carefree beauty	CAREFREE BEAUTY SHRUB ROSE	18"- 24" ht.	3 Gal.	Plant as shown
SB	60	Spirea brumaldi	BRUMALDI SPIREA	18"- 24" ht.	3 Gal.	Plant as shown
EVERGREEN SHRUBS						
JC	120	Juniperus chinensis seagreen	SEA GREEN JUNIPER	18"- 24" spr.	B&B	Plant as shown
PJM	17	Rhododendron PJM	PJM RHODODENDRON	24"- 30" ht.	B&B	Plant as shown
TC	120	Taxus cuspidata nana	DWARF JAPANESE YEW	18"- 24" spr.	B&B	Plant as shown
PERENNIALS & GROUNDCOVERS						
GP	1075	Gaultheria procumbens	CREEPING WINTERGREEN	8" spr. min.	1 gal.	Plant at 9" on center
HH	55	Hemerocallis happy returns	HAPPY RETURNS DAYLILY	18"- 24" ht.	1 gal.	Plant at 18" on center
HV	255	Hosta ventricosa	PLANTAIN LILY	18"- 24" ht.	1 gal.	Plant at 18" on center
NF	40	Nepeta x faassenii	CATMINT	12" spread min.	1 gal.	Plant at 18" on center
PE	125	Pennisetum alopecuroides	FOUNTAIN GRASS	18" ht. min.	2 gal.	Plant at 24" on center
RF	400	Rudbeckia fulgida goldsturm	BLACK EYED SUSAN	18" ht. min.	2 gal.	Plant at 18" on center
EVERGREEN HEDGE						
TO	100	Thuja occidentalis nigra	DARK AMERICAN ARBORVITAE	3'- 4' hgt.	B&B	Plant as shown

GENERAL NOTES

1. All plant material in the plant schedule shall be nursery grown in accordance with ANSI in accordance with Z.60.1 Standards for measurement of nursery stock.
2. All plants shall be guaranteed by the Contractor for a period of one year from date of receipt of Provisional Acceptance of the completed installation by the Owner.
3. Replacement plantings will be required prior to Final Acceptance for any plants which are missing, not true to specifications, have died or are unhealthy or uncharacteristic of the species (due to excessive pruning, dieback or other reasons).
4. All plant materials shall be selected and tagged at the nursery by Landscape Architect.
5. The Landscape Architect's approval is required for any plant material substitutions.
6. Contractor is responsible for verifying and confirming all plant quanities between planting plan and plant list. If there is a discrepancy, provide the greater number or the more expensive item. Notify Landscape Architect immediately.
7. All shrubs and trees will be sprayed with the anti-desiccant "Wilt-Pruf" (or approved equal) prior to the first Winter
8. The Landscape Contractor shall have the General Contractor locate all underground utilities in areas to be landscaped prior to commencing any excavation. Adjustments to tree locations will be allowed where utility conflicts are clearly a problem and with prior site approval by Landscape Architect.
9. All plant bed, shrub and tree location shall be staked in the field by Contractor for Landscape Architects approval prior to installation.
10. Adjustments to plant beds shall be approved by Landscape Architect.
11. General Contractor is responsible for all erosion control measures during construction.
12. All disturbed areas are to be topsoiled and seeded.
13. Mulch shall consist of double-shredded hardwood mulch or approved equal and Contractor is responsible for providing samples of mulch to Landscape Architect. Mulch plant materials as shown on plan and details.
14. It is the intent of this contract to avoid any disturbance to existing trees or shrubs on site other than those specifically designated for transplant or removal.
15. Liquidated damages for trees damaged by construction operation shall be $500 per caliper inch. Shrubs shall be $100 each.
16. Contractor is responsible for all damage due to his operations inside and outside the contract limit line.
17. Contractor is responsible for checking spot elevations and verifying proposed grades by providing grade stakes. Grades must be approved by Landscape Architect prior to proceeding.
18. Contractor shall blend new work smoothly with existing grades at contract limit line and/or limit of construction line.
19. Contractor to verify that subgrades are 4 inches below finished grade prior to spreading top soil for seeded areas.

DRAWING NOTES

1. Refer to Civil Engineers drawings for limits and designation of seeded lawn areas.

NORTH

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PLUMBING, MECHANICAL, AND ELECTRICAL
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Precision Park
North Springfield VT 05150-0029
(802)-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

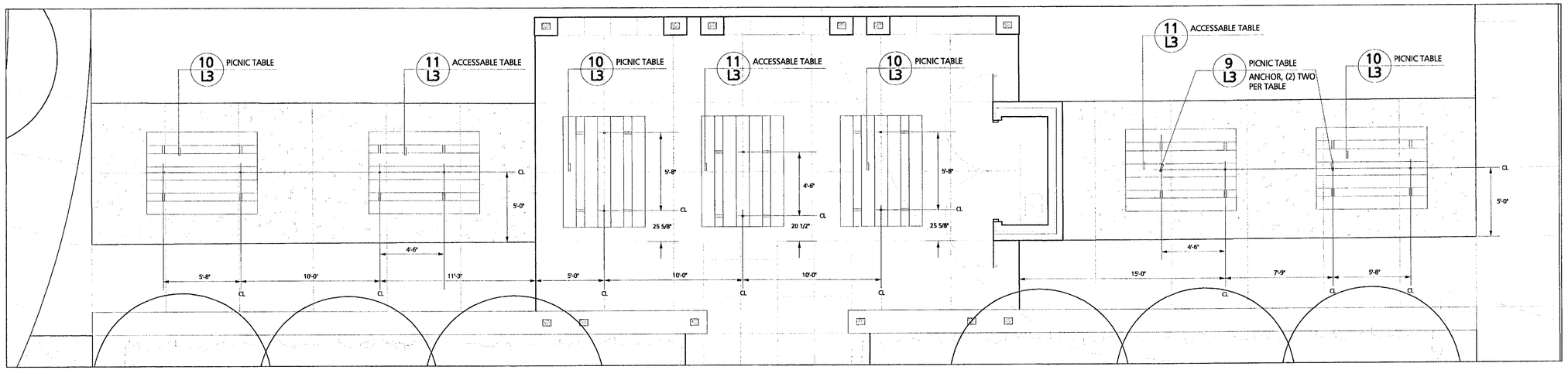
NEW FACILITY

DERBY
VERMONT

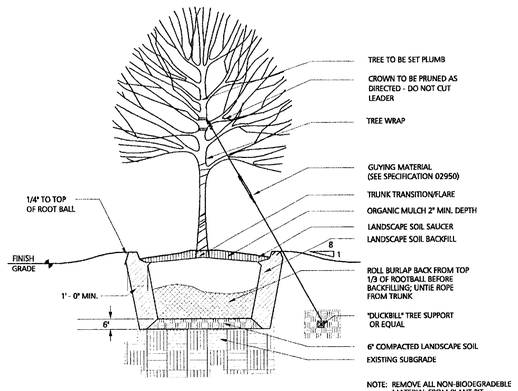
DATE: 01-07-2002
SCALE: 1"=30'-0"
CHECKED: AS
PROJECT NO:00036

PLANTING PLAN

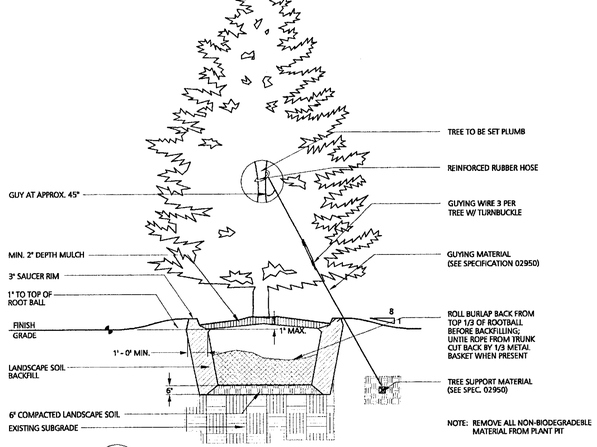
L1.0



0 L2 PICNIC TABLE LOCATION DETAIL
1/4"=1'-0"

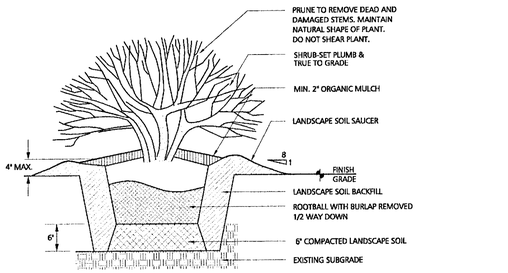


1 L2 DECIDUOUS TREE PLANTING DETAIL
NTS

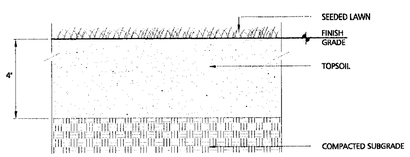


2 L2 EVERGREEN TREE PLANTING DETAIL
NTS

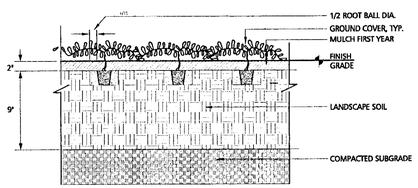
NOTE: SHRUB BEDS TO BE PREPARED WITH 12" OF TOPSOIL.



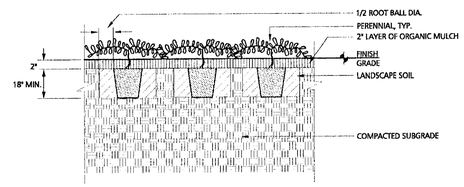
3 L2 SHRUB PLANTING DETAIL
NTS



4 L2 SEED LAWN DETAIL
NTS



5 L2 GROUND COVER PLANTING DETAIL
NTS



6 L2 PERENNIAL PLANTING DETAIL
NTS

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

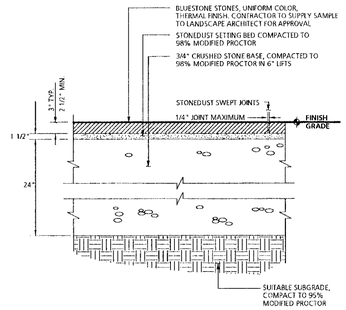
NEW FACILITY

DERBY
VERMONT

DATE: 01-07-2002
SCALE: NTS
CHECKED: AS
PROJECT NO:00036

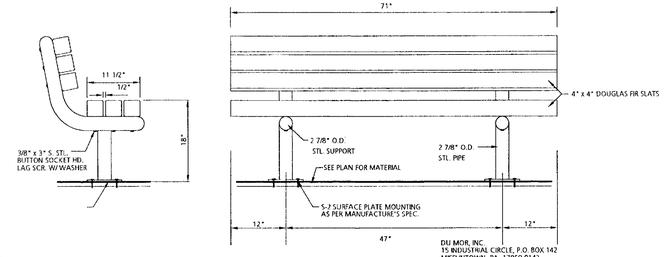
LANDSCAPE DETAILS

L2.0



7 / L3 BLUESTONE PAVING DETAIL

NTS

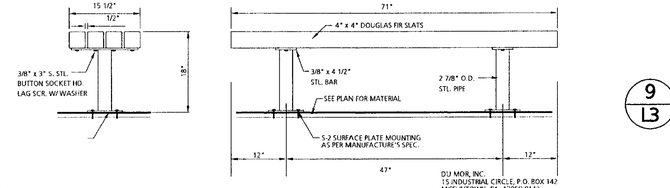


MODEL: 56-60D

SEE SPECIFICATIONS FOR PRODUCT INFORMATION

8A / L3 STRAIGHT BENCH W/ BACK DETAIL

NTS

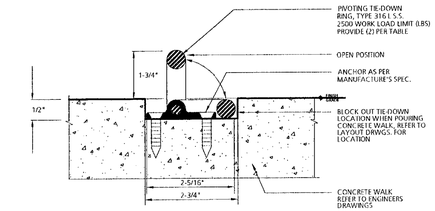


MODEL: 105-60D

SEE SPECIFICATIONS FOR PRODUCT INFORMATION

8 / L3 STRAIGHT BENCH DETAIL

NTS

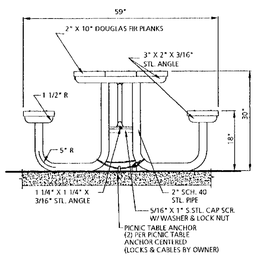


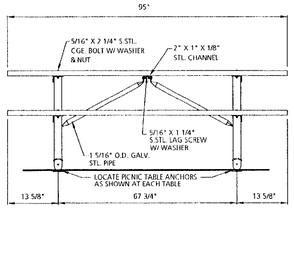
REFER TO ENGINEERS LAYOUT DRAWINGS FOR LOCATION

9 / L3 PICNIC TABLE ANCHOR DETAIL

NTS

SEE SPECIFICATIONS FOR PRODUCT INFORMATION





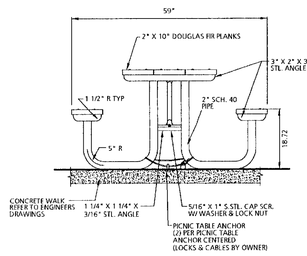
MODEL: 77-80D

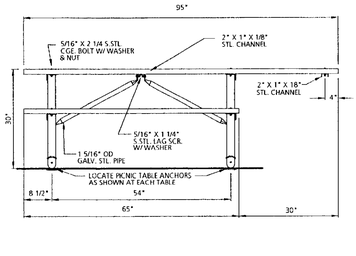
DU MOR, INC.
15 INDUSTRIAL CIRCLE, P.O. BOX 142
MIFFLINTOWN, PA 17059-0142
1-800-598-4018
PHONE:(717) 436-2106
FAX:(717) 436-9839
www.dumor.com

SEE SPECIFICATIONS FOR PRODUCT INFORMATION

10 / L3 PICNIC TABLE DETAIL

NTS





MODEL: 77-68-1D

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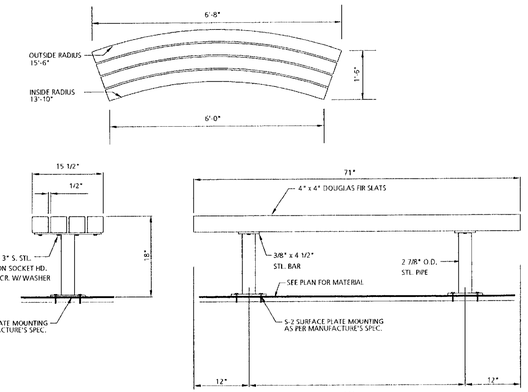
11 / L3 ACCESSIBLE PICNIC TABLE DETAIL

NTS



DU MOR, INC. DRAWING NUMBER: 64-159

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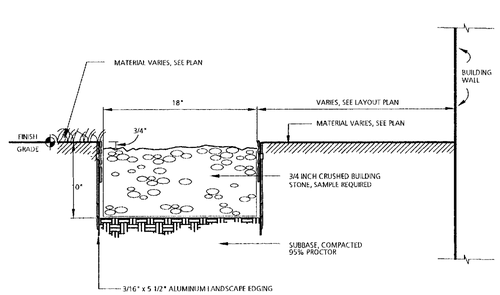
SEE SPECIFICATIONS FOR PRODUCT INFORMATION

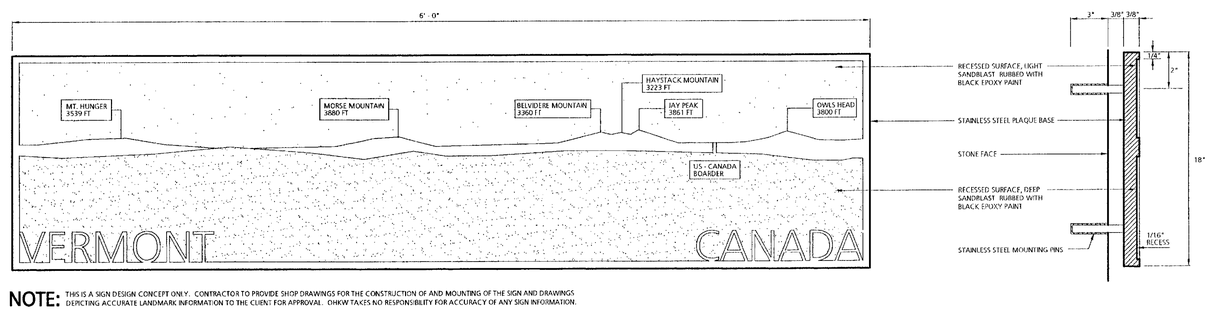
12 / L3 CURVED BENCH DETAIL

NTS



13 / L3 DRIP EDGE DETAIL

NTS



NOTE: THIS IS A SIGN DESIGN CONCEPT ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR THE CONSTRUCTION OF AND MOUNTING OF THE SIGN AND DRAWINGS DEPICTING ACCURATE LANDMARK INFORMATION TO THE CLIENT FOR APPROVAL. OHKW TAKES NO RESPONSIBILITY FOR ACCURACY OF ANY SIGN INFORMATION.

14 / L3 LANDMARK IDENTIFICATION PLAQUE DETAIL

NTS

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DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

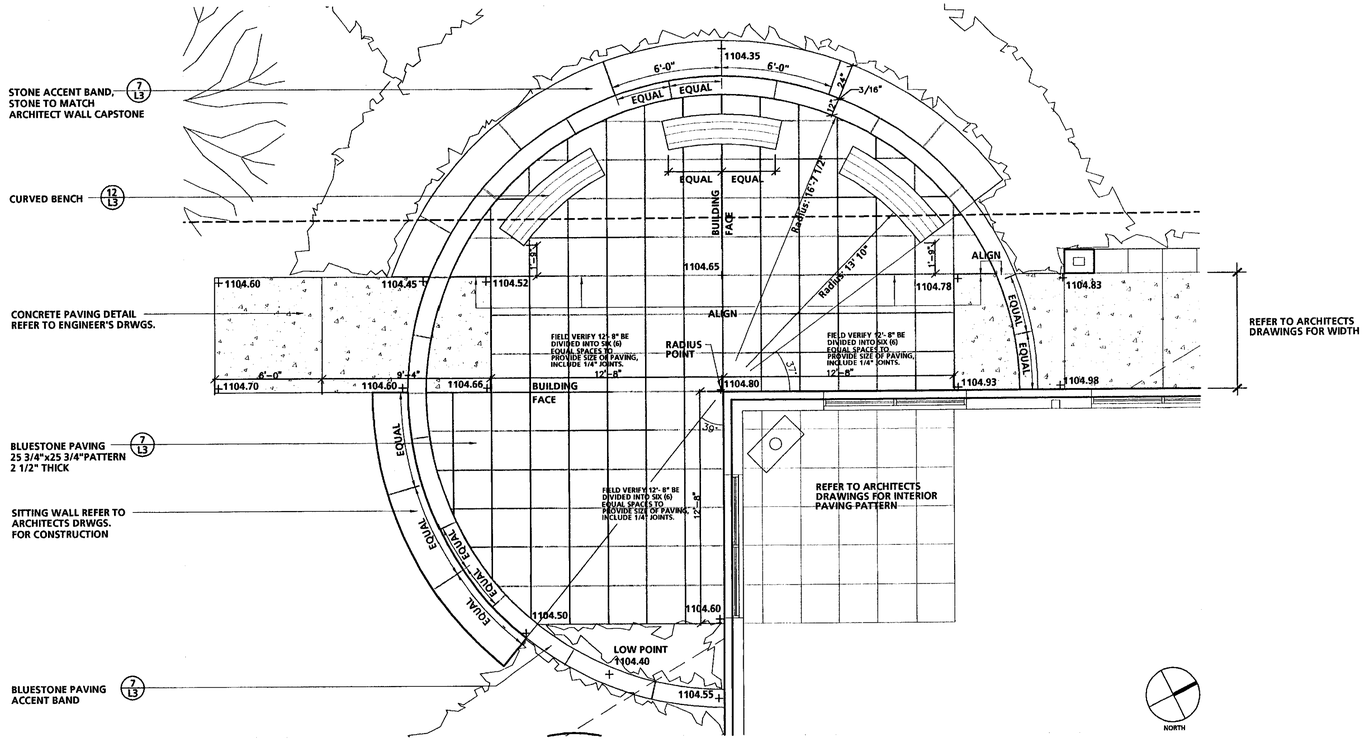
NEW FACILITY

DERBY
VERMONT

DATE: 01-07-2002
SCALE: NTS
CHECKED: AS
PROJECT NO:00036

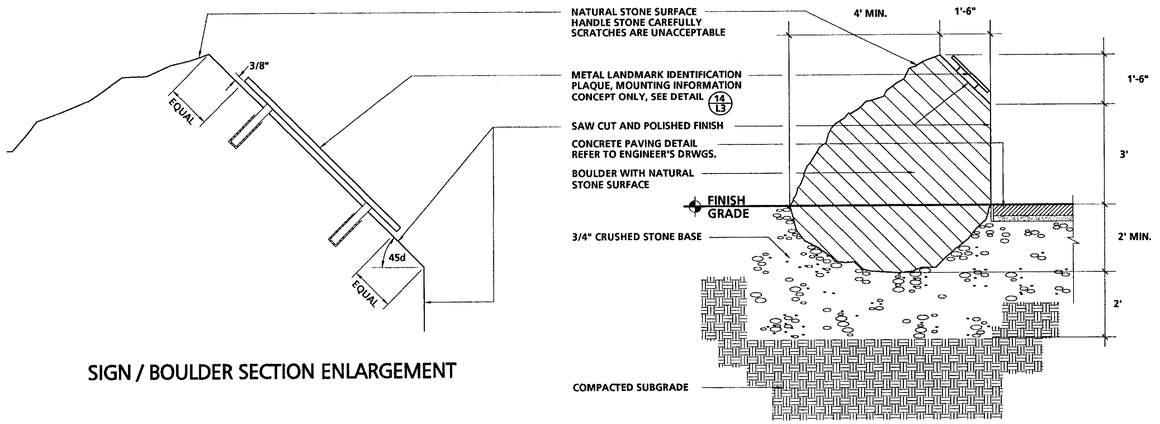
LANDSCAPE DETAILS

L3.0



15/L4 REAR TERRACE DETAIL
1/4"=1'-0"

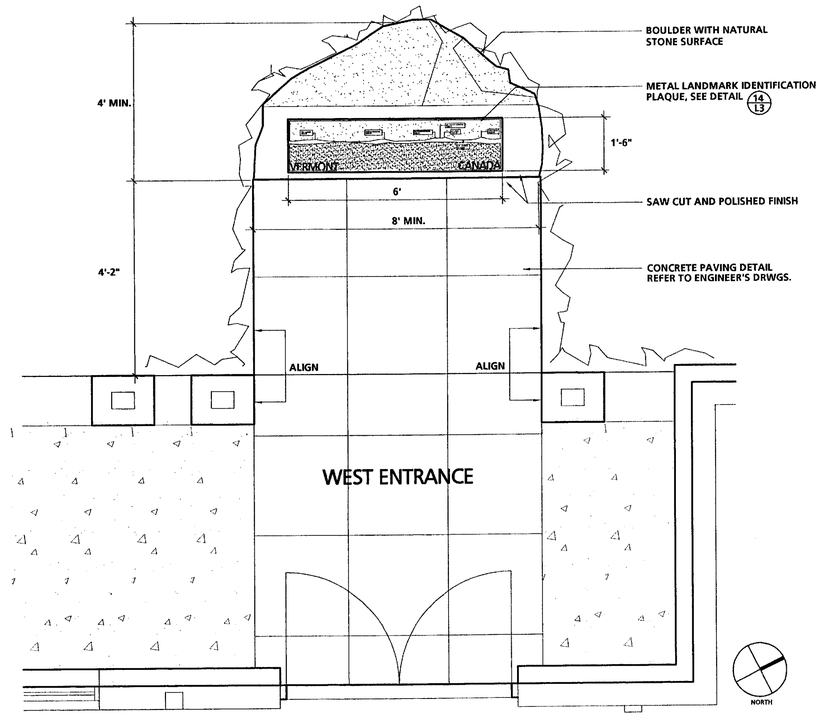
COORDINATE TERRACE GRADES WITH SITE GRADES. REFER TO ENGINEERS PLANS SITE GRADING



SIGN / BOULDER SECTION ENLARGEMENT

GENERAL CONTRACTOR TO PROVIDE BOULDER FOR LANDSCAPE ARCHITECT APPROVAL

16/L4 LANDMARK IDENTIFICATION SIGN BASE DETAIL
1/2"=1'-0"



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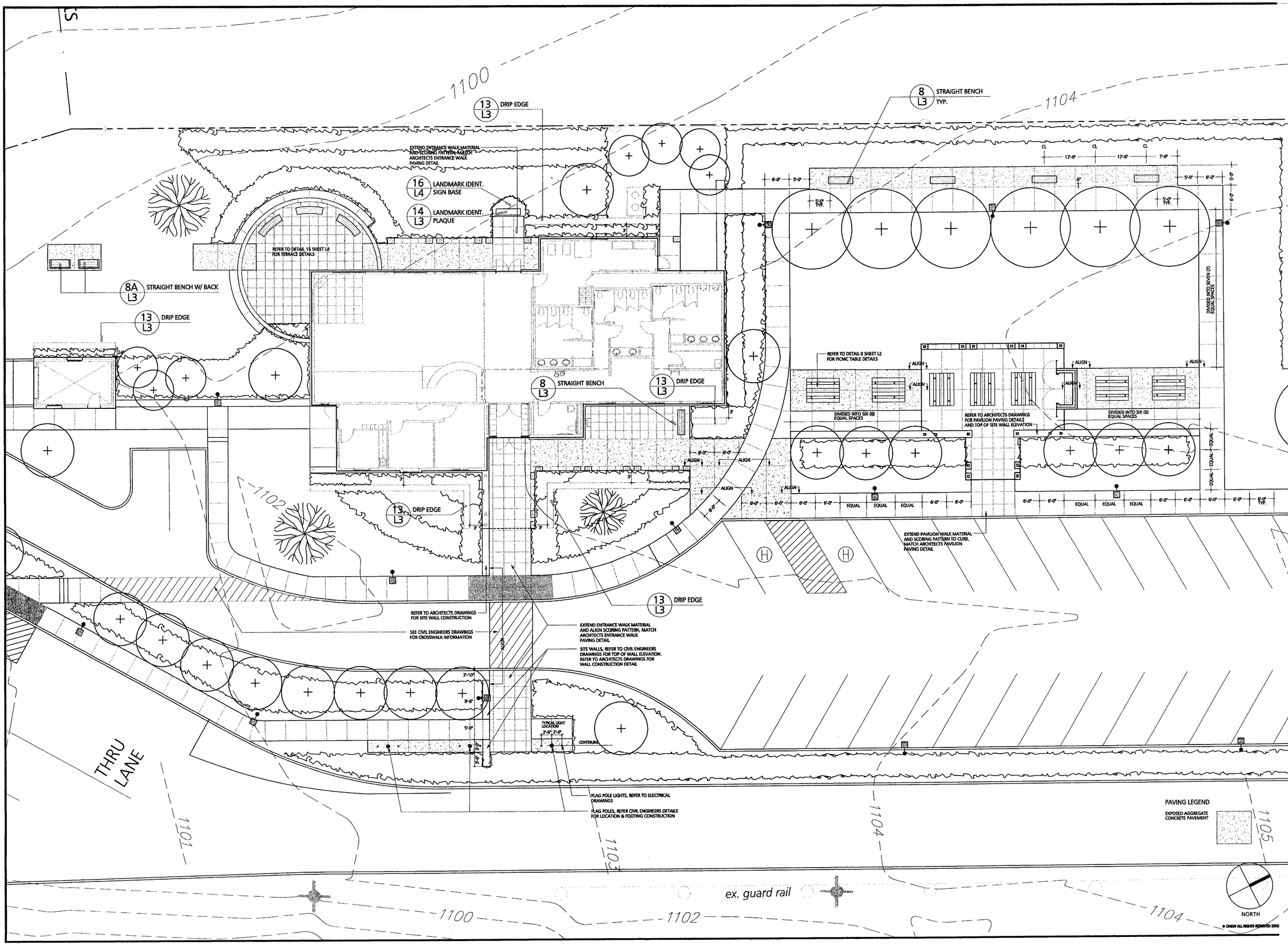
CHECKED: AS
PROJECT NO:00036

LANDSCAPE DETAILS

L4.0



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DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01-07-2002
SCALE: 1"=10'-0"
CHECKED: AS
PROJECT NO:00036

LANDSCAPE LAYOUT AND MATERIAL PLAN

L5.0

FOUNDATION PLAN

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

NOTES:

1. ALL INTERIOR SLABS-ON-GRADE SHALL BE 5" THICK WITH #4 @ 16" O.C. EACH WAY, OVER 2" RIGID POLYSTYRENE, 4 mil HIGH DENSITY CROSS LAMINATED POLYETHYLENE VAPOR RETARDER, 4" COMPACTED SAND AND MINIMUM 8" COMPACTED STRUCTURAL FILL. SEE SPEC SECTION 02220 FOR VAPOR RETARDER.
2. TOP OF FOOTING ELEVATION INDICATED THUS (_____).
3. "CJ" INDICATES SLAB CONSTRUCTION JOINT. "SJ" INDICATES SAWCUT CONTROL JOINT. SEE DWG. S7 FOR DETAILS.
4. SLABS SHALL RECEIVE A STEEL TROWEL FINISH UNLESS OTHERWISE INDICATED.
5. CURE SLABS WITH WATER FOR 7 DAYS.
6. REFER TO SPECIFICATIONS FOR USE OF ANTI-SPALLING COMPOUND ON EXTERIOR SLABS AT ENTRANCES.
7. COORDINATE SLAB CONSTRUCTION WITH LAYOUT OF RADIANT HEAT TUBING.

CONTRACTOR NOTE:
VERIFY ALL DIMENSIONS FOR BUILDING LAYOUT PRIOR TO SETTING FORMS. COORDINATE FOUNDATION DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

INDICATES SOIL BORING LOCATION. (____) INDICATES APPARENT ELEVATION OF TOP OF LEDGE

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DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

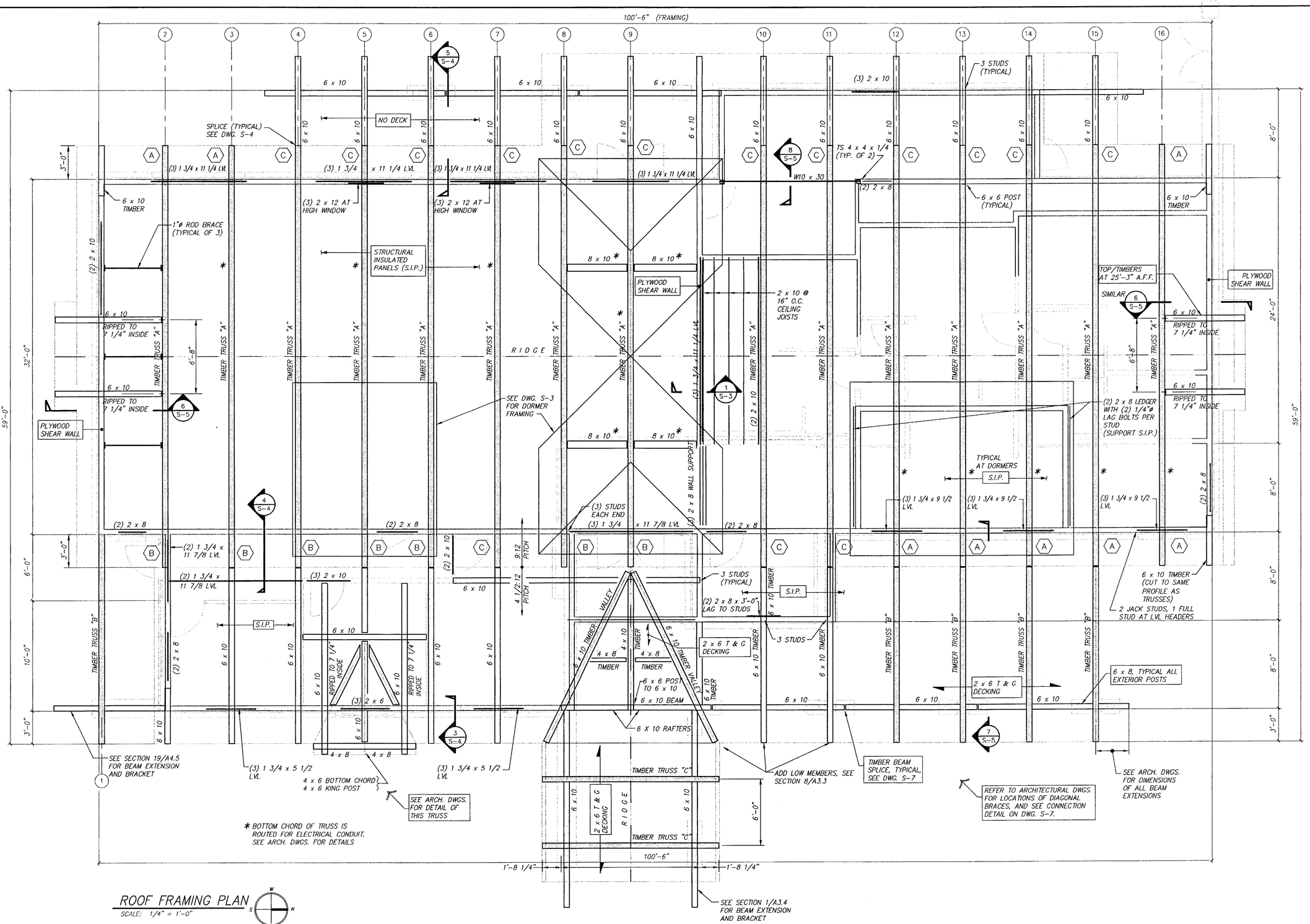
NEW FACILITY

DERBY
VERMONT

DATE:	01/07/2002
SCALE:	AS NOTED
CHECKED:	RMD
PROJECT NO:	2003

FOUNDATION PLAN

S-1



ROOF FRAMING PLAN

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

NOTES:

1. (A), (B), (C) INDICATE TRUSS "A" EAVE DETAILS, PER DRAWING S-6.
2. SEE ARCH. DWGS. FOR BRACKETS AND OTHER NON-STRUCTURAL TIMBER DETAILS.
3. EXPOSED TIMBER CONNECTIONS NOT DETAILED SHALL BE DESIGNED BY THE CONTRACTOR WITH STEEL PLATES AND STAINLESS STEEL BOLTS. SUBMIT SHOP DRAWINGS FOR REVIEW.

ROOF DESIGN LOADS

LIVE LOAD	= 50 psf
DEAD LOAD	= 25 psf
TOTAL LOAD	= 75 psf

REFER TO DWG. S-6 FOR TIMBER TRUSS DETAILS

TIMBER BEAMS AND COLUMNS SHALL BE SELECT STRUCTURAL DOUGLAS FIR, S4S.

C:\DWGS\RMD\DERBYWC\S2-DWG, 11/26/01 at 09:00

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NEW FACILITY

DERBY
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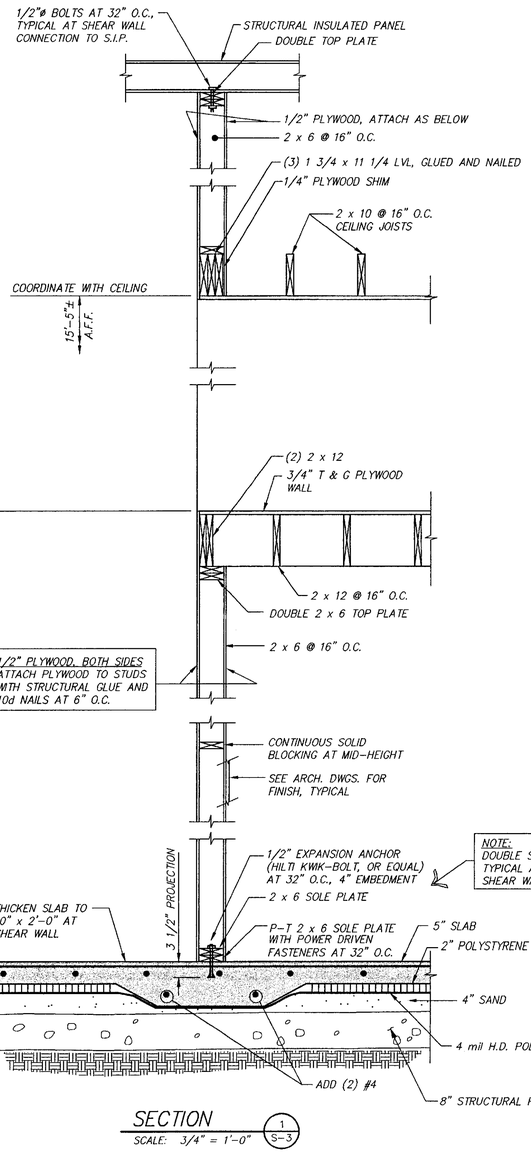
SCALE:	AS NOTED
CHECKED:	RMD
PROJECT NO:	2003

ROOF FRAMING PLAN

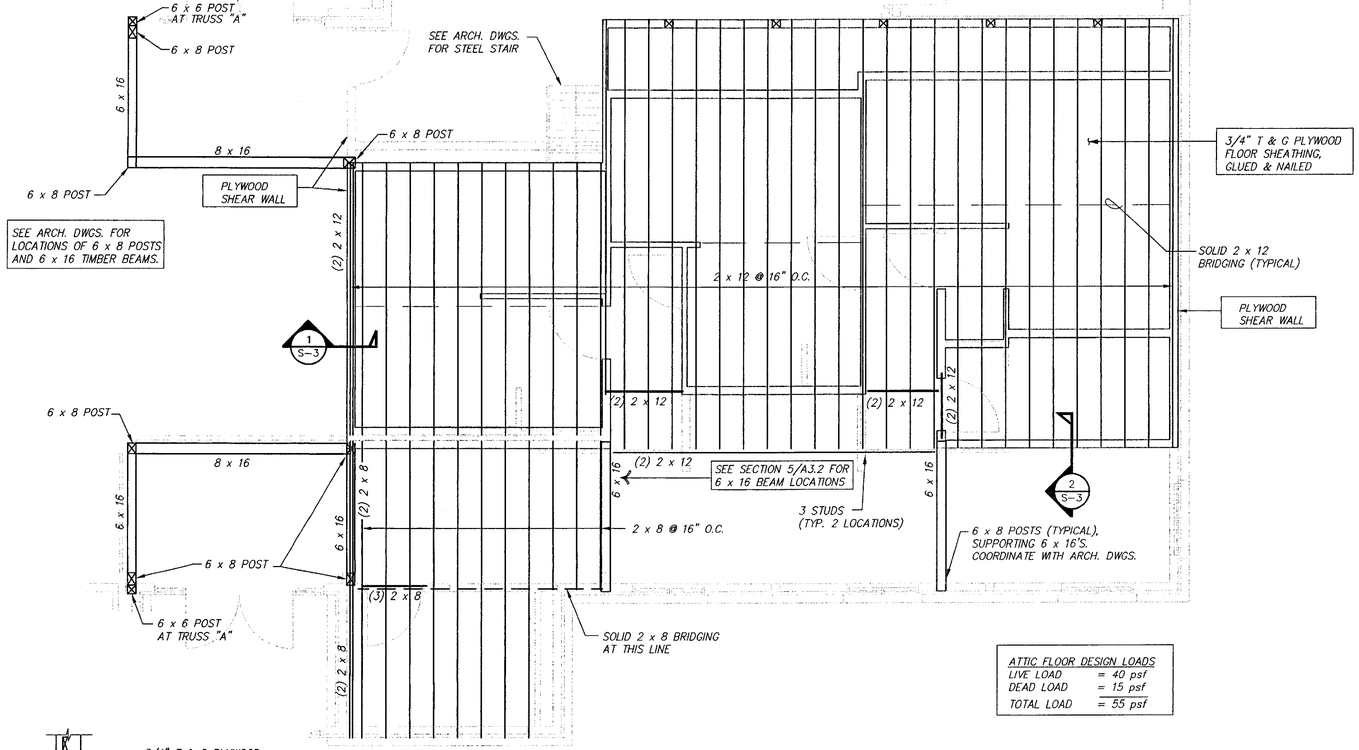
S-2



SECTION (1 / S-3)
SCALE: 3/4" = 1'-0"

SECTION (2 / S-3)
SCALE: 3/4" = 1'-0"

CONTRACTOR NOTE:
VERIFY LOCATIONS OF RADIANT HEAT TUBING PRIOR TO SETTING ANCHORS.



ATTIC FLOOR DESIGN LOADS

LIVE LOAD	= 40 psf
DEAD LOAD	= 15 psf
TOTAL LOAD	= 55 psf

ATTIC FRAMING PLAN
SCALE: 1/4" = 1'-0"

NOTES:

1. ELEVATION TOP OF PLYWOOD = 1114'-4".
2. INSTALL JOIST HANGERS AT FLUSH-FRAMED CONDITIONS.
3. DOUBLE FLOOR JOISTS UNDER MECHANICAL UNITS.

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

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SCALE:	AS NOTED
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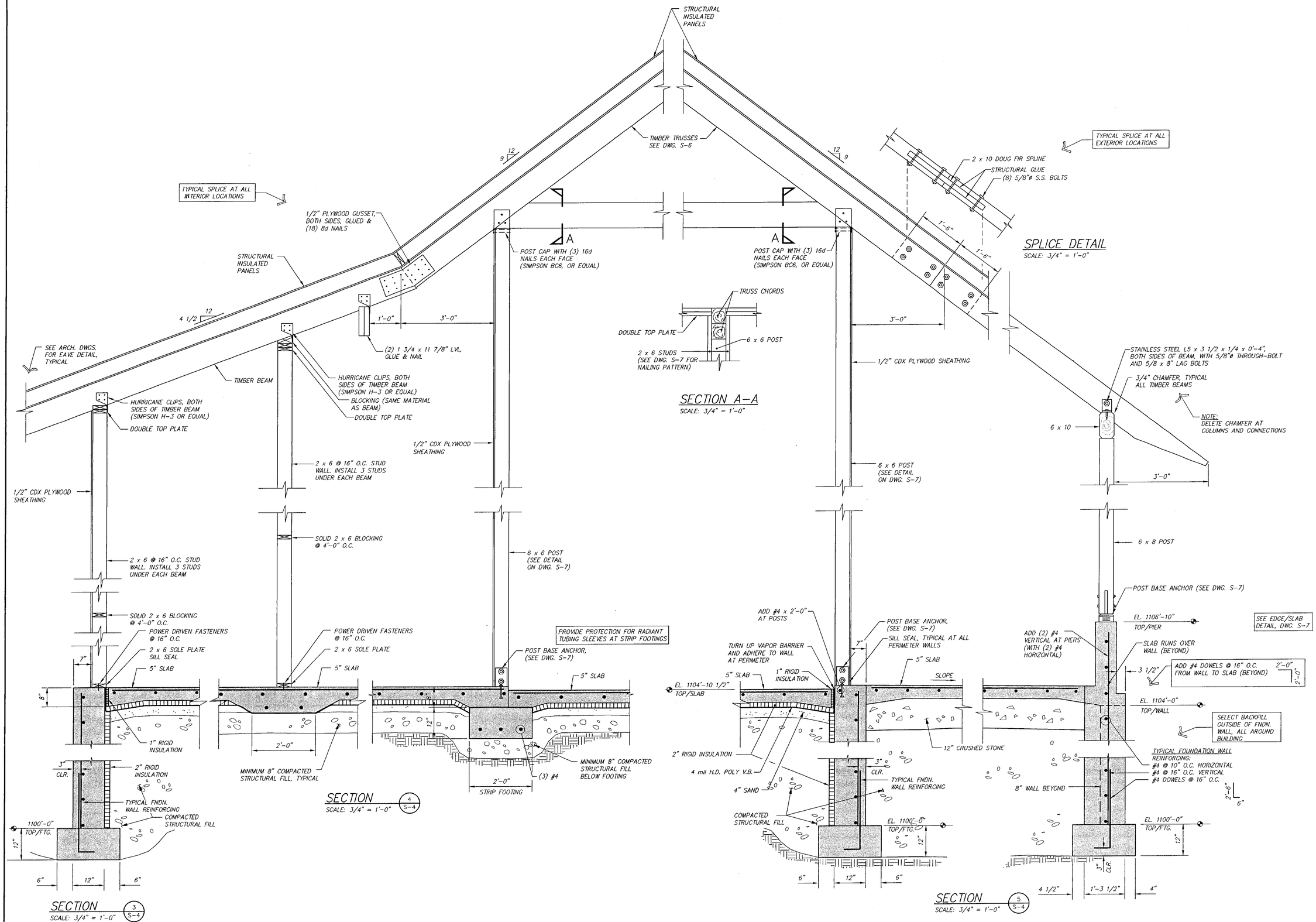
PROJECT NO:	2003

ATTIC FRAMING PLAN

S-3

C:\DWGS\RMD\DERBYWC\S3-DWG, 11/26/01 at 09:16



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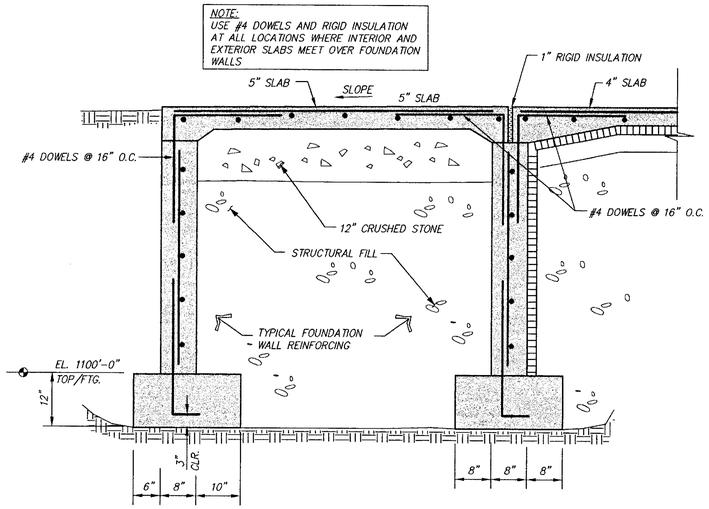
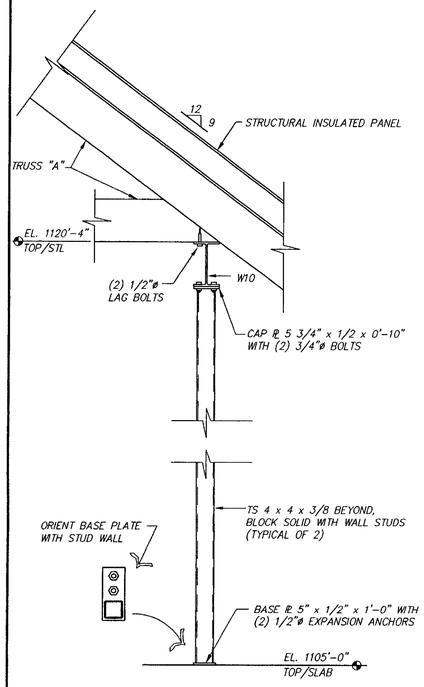
PROJECT NO:	2003

STRUCTURAL SECTIONS

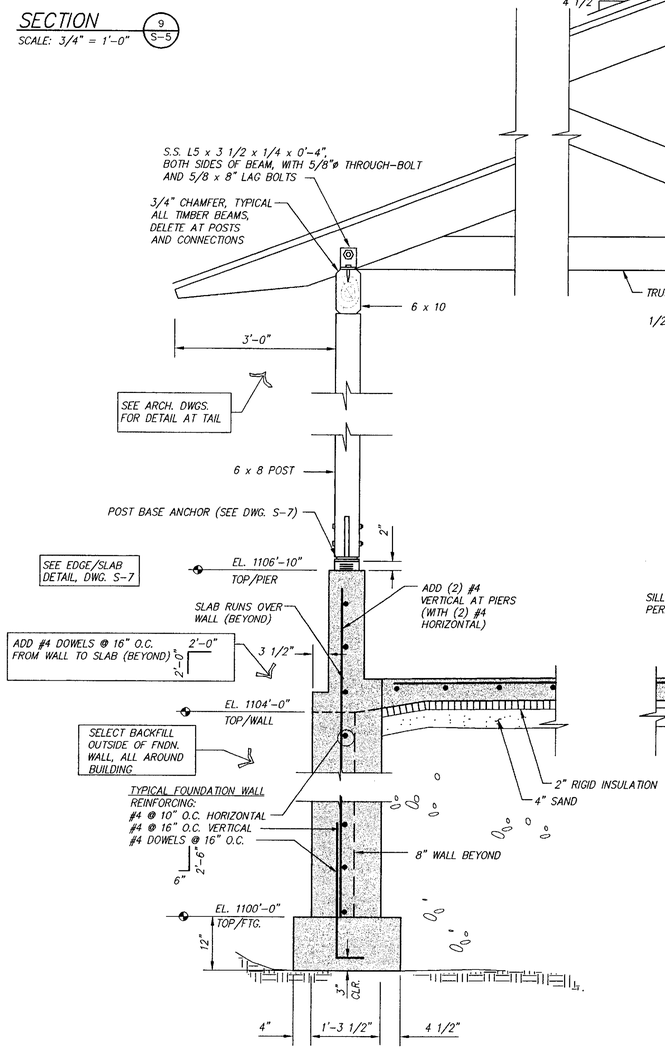
S-4



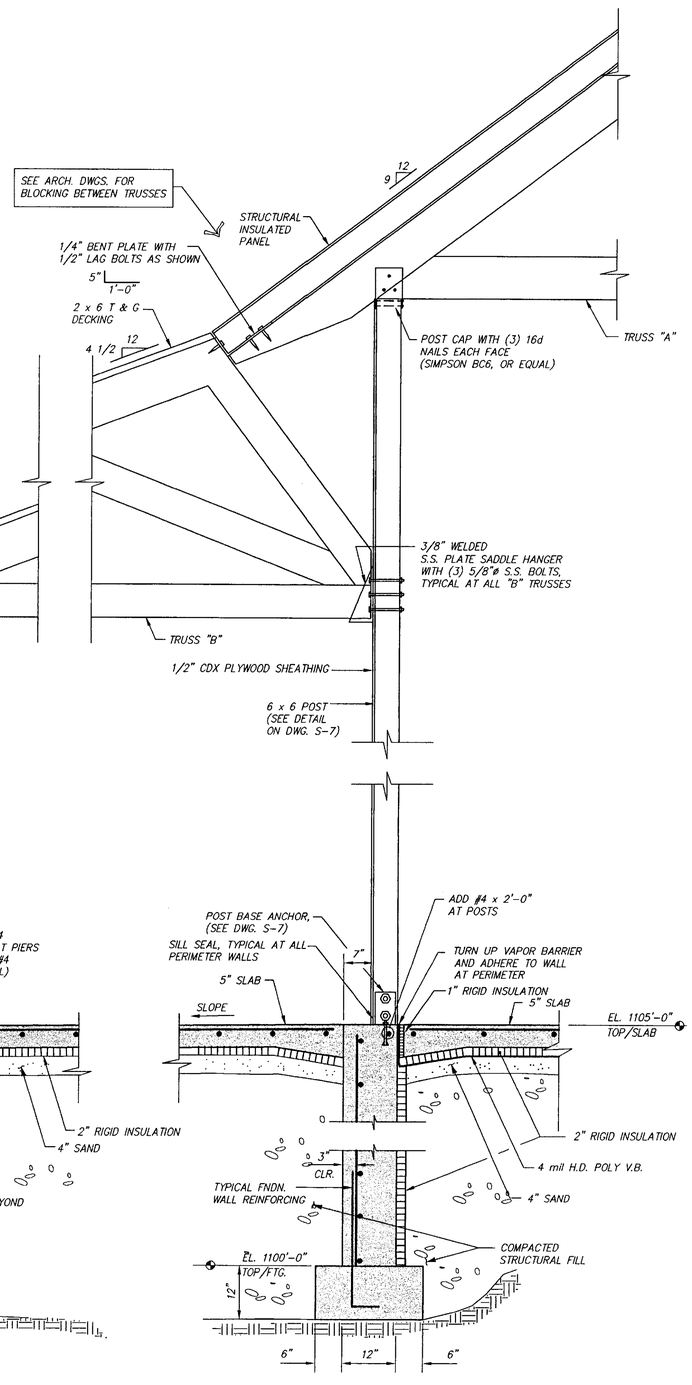
SECTION (9/S-5)
SCALE: 3/4" = 1'-0"



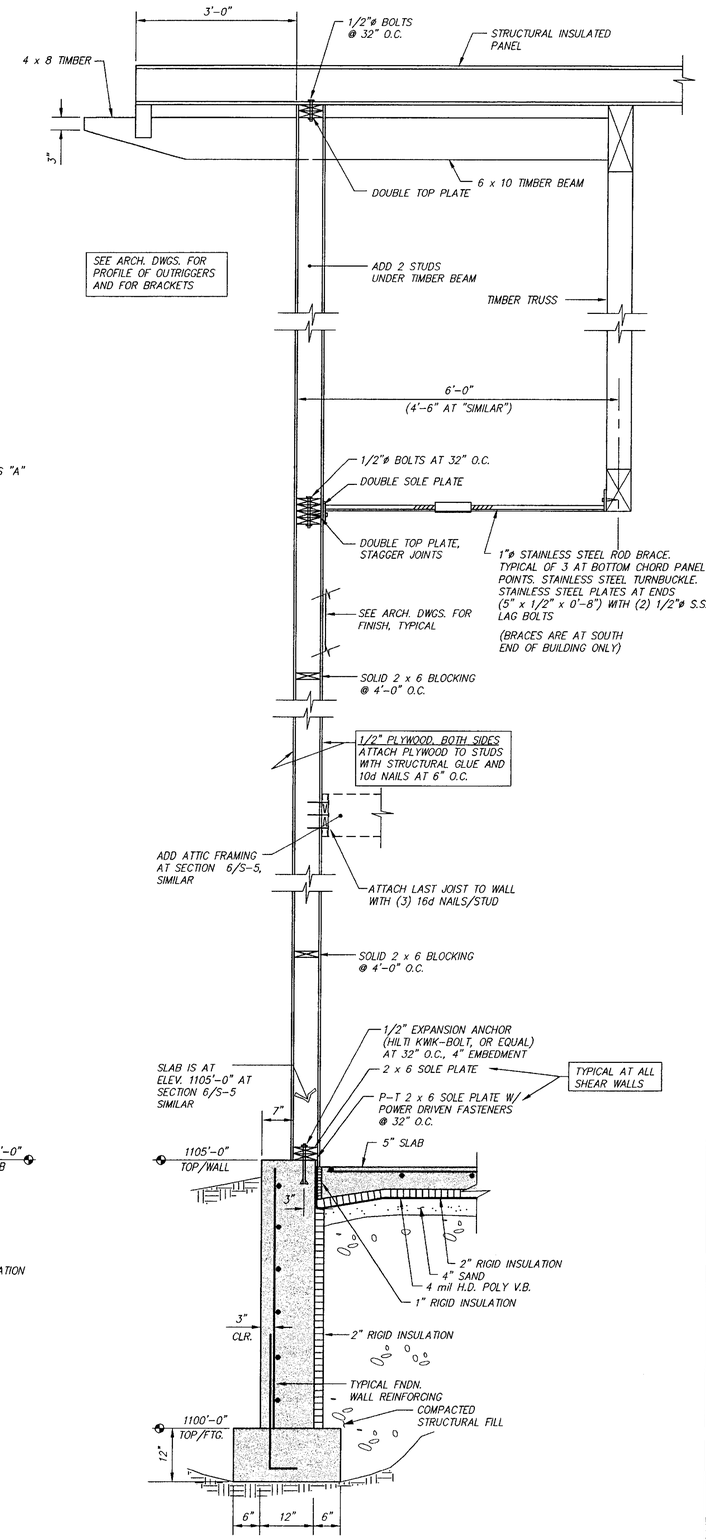
SECTION (8/S-5)
SCALE: 3/4" = 1'-0"



SECTION (7/S-5)
SCALE: 3/4" = 1'-0"



SECTION (6/S-5)
SCALE: 3/4" = 1'-0"



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PROJECT #IM 091-3(8)

NEW FACILITY

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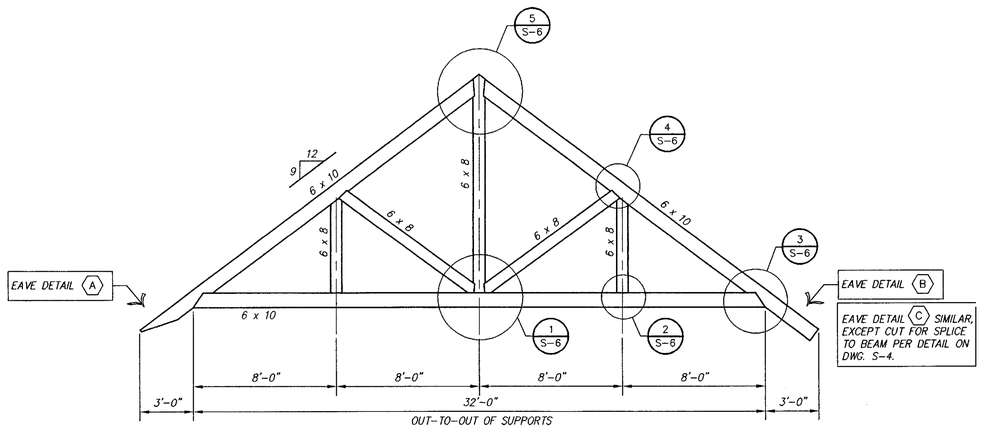
PROJECT NO:	2003

STRUCTURAL SECTIONS

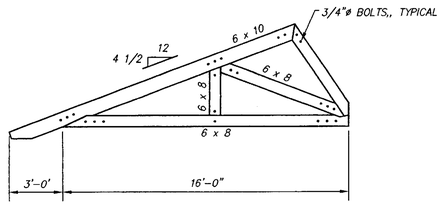
S-5



TRUSS "A" ELEVATION

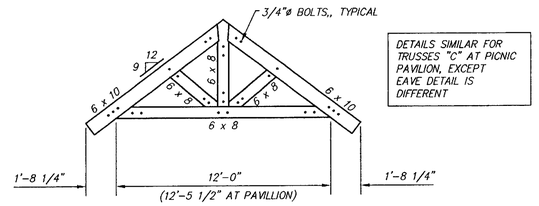
SCALE: 1/4" = 1'-0"

NOTE:
TOP AND BOTTOM CHORDS MUST BE MADE FROM SINGLE MEMBERS, WITHOUT SPLICES



TRUSS "B" ELEVATION

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

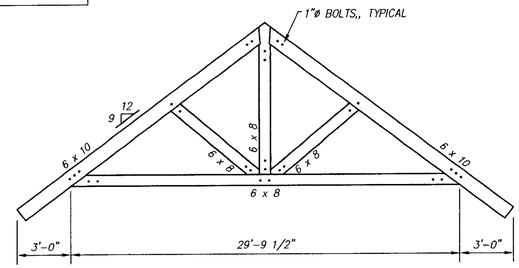


DETAILS SIMILAR FOR TRUSSES "C" AT PICNIC PAVILION, EXCEPT EAVE DETAIL IS DIFFERENT

TRUSS "C" ELEVATION

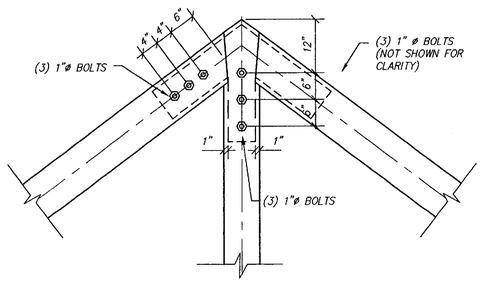
SCALE: 1/4" = 1'-0"

CONNECTION DETAILS FOR TRUSSES "B", "C" & "D" ARE SIMILAR TO TRUSS "A"



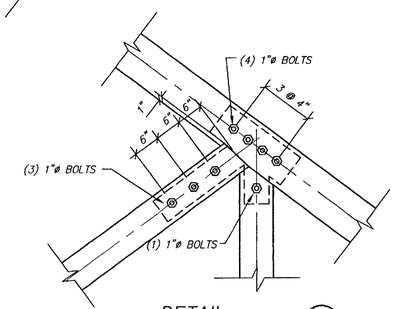
TRUSS "D" ELEVATION

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



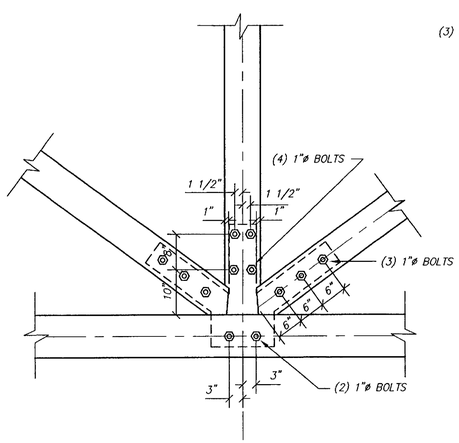
DETAIL 5 / S-6

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



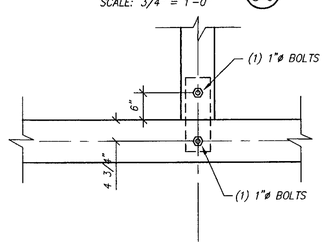
DETAIL 4 / S-6

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



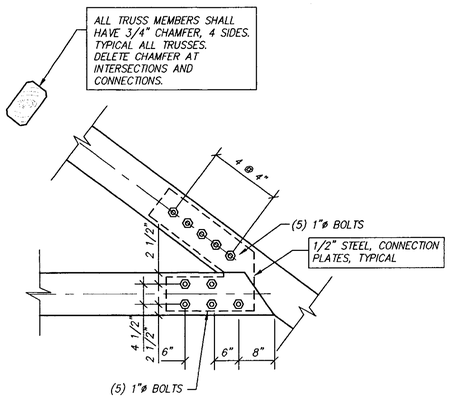
DETAIL 1 / S-6

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



DETAIL 2 / S-6

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

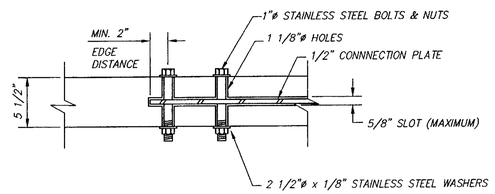


DETAIL 3 / S-6

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

NOTE:
SUBMIT SHOP DRAWINGS FOR TRUSSES AND CONNECTION PLATES.

TIMBER FOR ALL TRUSSES SHALL BE SELECT STRUCTURAL DOUGLAS FIR, S4S.



CONNECTION DETAIL

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

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: RMD
PROJECT NO: 2003

TIMBER TRUSS DETAILS

S-6

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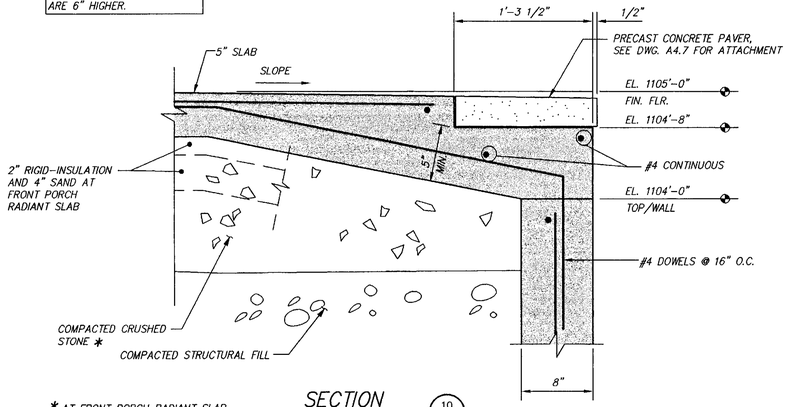
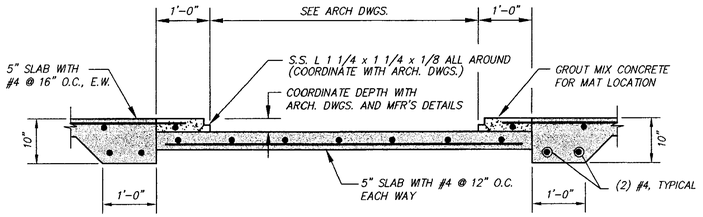
USE SAME DETAIL AT PICNIC PAVILION, EXCEPT ELEVATIONS ARE 6" HIGHER.

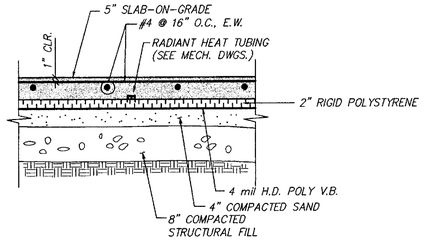


* AT FRONT PORCH RADIANT SLAB, SUBSTITUTE 4" SAND AND COMPACTED STRUCTURAL FILL

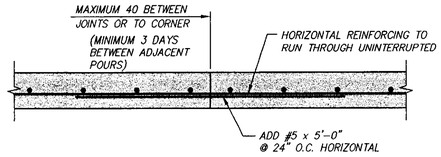
SECTION (10 / S-7)
SCALE: 1 1/2" = 1'-0"



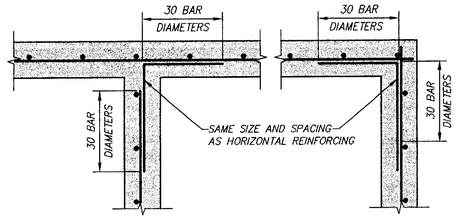
RECESSED MAT DETAIL
SCALE: 3/4" = 1'-0"



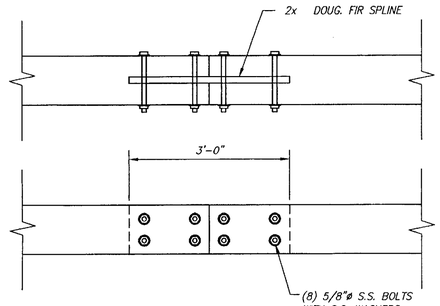
DETAIL - SLAB-ON-GRADE
SCALE: 3/4" = 1'-0"



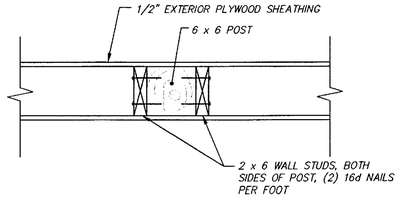
WALL CONSTRUCTION JOINT
N.T.S.



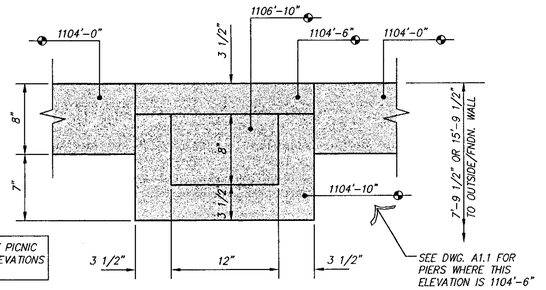
WALL REINFORCING DETAILS
N.T.S.



TIMBER BEAM SPLICE DETAIL
SCALE: 3/4" = 1'-0"

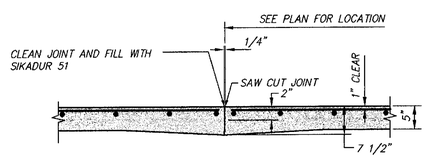


POST DETAIL - TRUSS "A" SUPPORTS
SCALE: 1 1/2" = 1'-0"



USE SAME DETAIL AT PICNIC PAVILION, EXCEPT ELEVATIONS ARE 6" HIGHER.

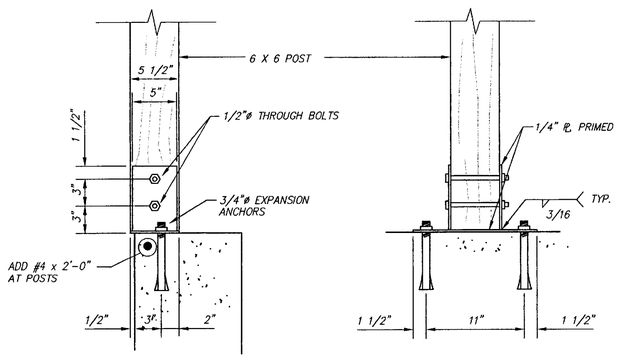
DETAIL (A / S-7)
SCALE: 1 1/2" = 1'-0"



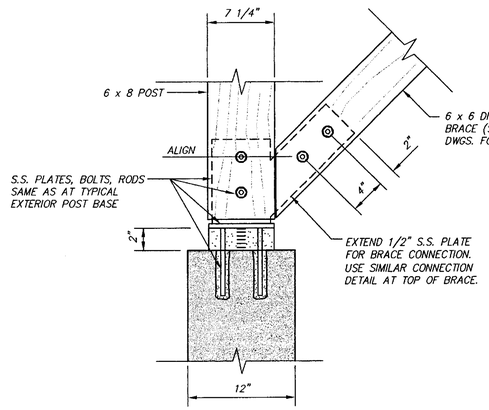
SLAB-ON-GRADE SAWCUT CONTROL JOINT
N.T.S.

NOTES:
1. DETAILS SIMILAR TO SLAB-ON-GRADE CONSTRUCTION JOINT UNLESS NOTED OTHERWISE.
2. IT IS IMPORTANT TO SAWCUT THE SLAB AS SOON AS IT CAN BE DONE WITHOUT DAMAGING THE SLAB.
3. DELAY INSTALLATION OF SEALANT UNTIL SLAB IS A MINIMUM OF 45 DAYS OLD.

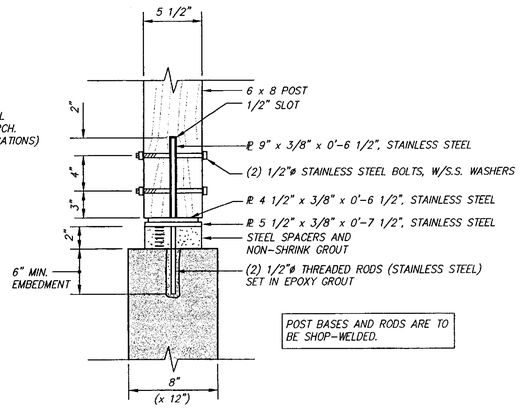
CONTRACTOR NOTE:
VERIFY EXACT LOCATIONS OF RADIANT HEAT TUBING AND USE EXTREME CAUTION TO AVOID CUTTING THE TUBING.



POST BASE ANCHORS (MAIN BUILDING)
SCALE: 1 1/2" = 1'-0"

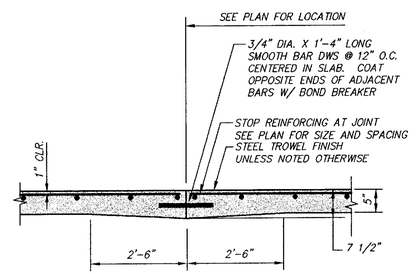


EXTERIOR POST BASE AT BRACE
SCALE: 1 1/2" = 1'-0"



POST BASES AND RODS ARE TO BE SHOP-WELDED.

TYPICAL EXTERIOR POST BASE
SCALE: 1 1/2" = 1'-0"



SLAB-ON-GRADE CONSTRUCTION JOINT
N.T.S.

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

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CHECKED:	RMD
PROJECT NO:	2003

STRUCTURAL DETAILS

S-7

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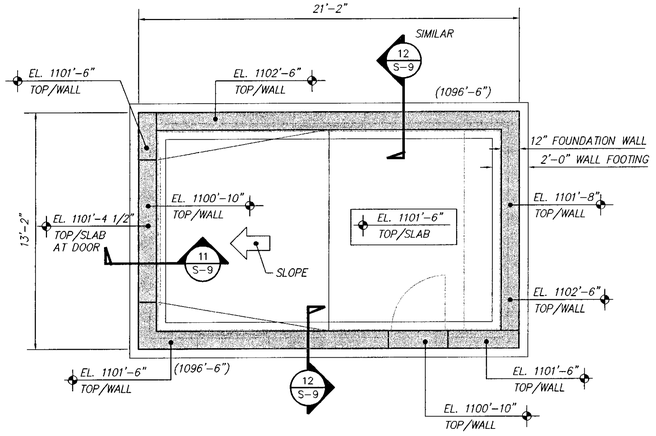
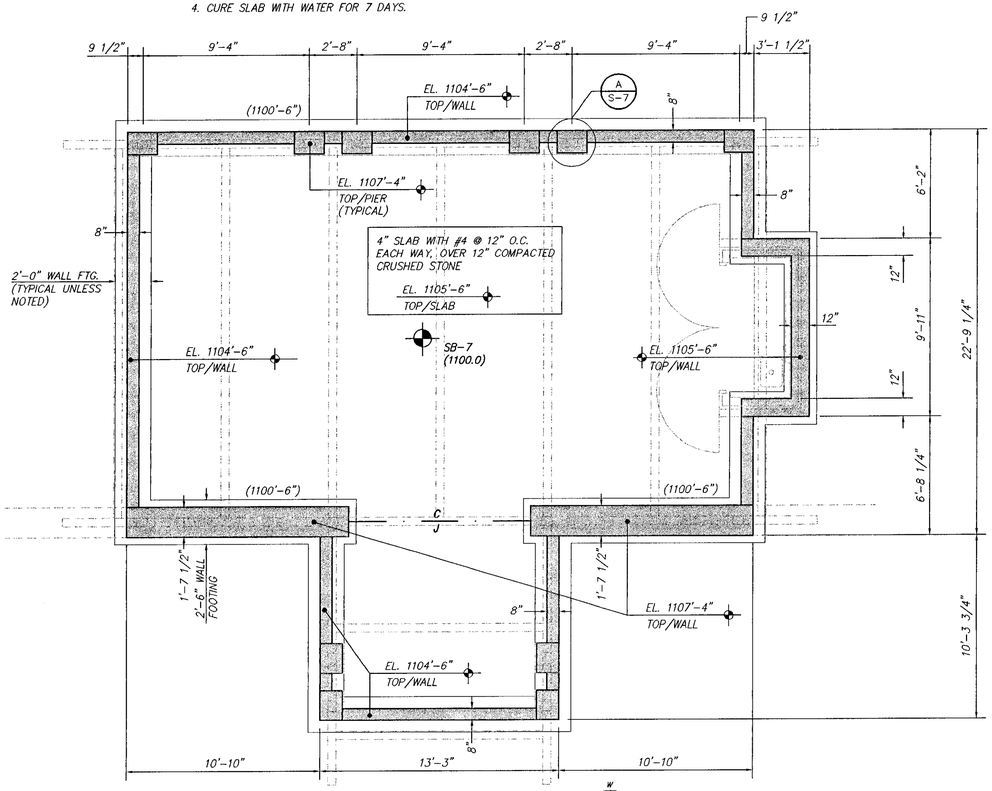


FOUNDATION PLAN – MAINTENANCE BUILDING

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

NOTES:

1. INTERIOR SLAB-ON-GRADE SHALL BE 4" THICK WITH #4 @ 16" O.C. EACH WAY, OVER MINIMUM 8" COMPACTED STRUCTURAL FILL.
2. TOP OF FOOTING ELEVATION INDICATED THUS (_____).
3. SLAB SHALL RECEIVE A LIGHT BROOM FINISH.
4. CURE SLAB WITH WATER FOR 7 DAYS.



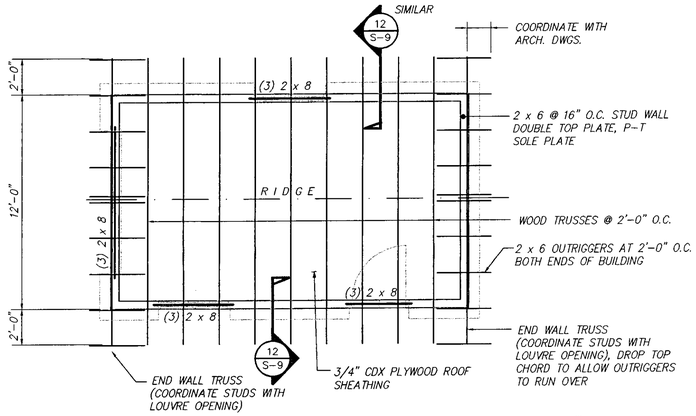
FOUNDATION PLAN – PAVILION

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

NOTES:

1. TOP OF FOOTING ELEVATION INDICATED THUS (_____).
2. SLAB SHALL RECEIVE A LIGHT BROOM FINISH.
3. CURE SLAB WITH WATER FOR 7 DAYS.

CONTRACTOR NOTE:
VERIFY ALL DIMENSIONS FOR BUILDING LAYOUT PRIOR TO SETTING FORMS. COORDINATE FOUNDATION DIMENSIONS WITH ARCHITECTURAL DRAWINGS.



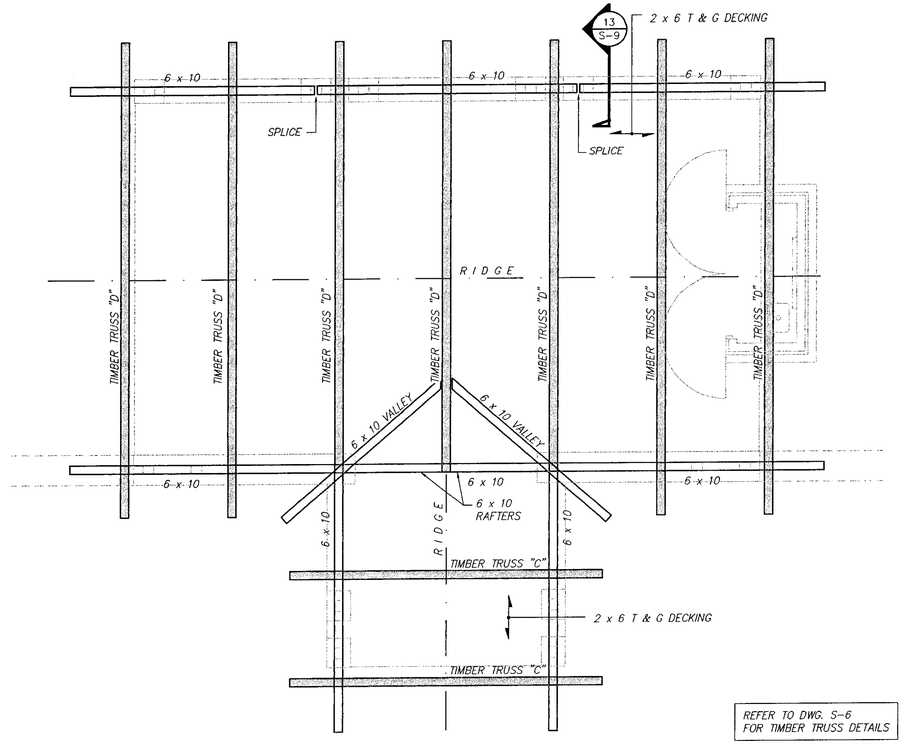
ROOF FRAMING PLAN – MAINTENANCE BUILDING

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

NOTE:

1. INSTALL CONTINUOUS 2 x 4 X-BRACING AT CENTERLINE OF TRUSSES.
2. WOOD TRUSSES SHALL HAVE 2 x 6 TOP CHORDS.

ROOF TRUSS DESIGN LOADS	
TCLL	= 50 psf
TCDL	= 10 psf
BCLL	= 0 psf
BCDL	= 10 psf
TOTAL	= 70 psf



REFER TO DWG. S-6 FOR TIMBER TRUSS DETAILS

EXPOSED TIMBER BEAMS, TRUSSES, COLUMNS AND BRACES SHALL BE SELECT STRUCTURAL DOUGLAS FIR, S4S.

ROOF FRAMING PLAN – PAVILION

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

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REVISIONS

PROJECT

DERBY WELCOME CENTER
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NEW FACILITY

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DATE:	01/07/2002
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CHECKED:	RMD
PROJECT NO:	2003

MAINTENANCE BUILDING

PICNIC PAVILION

S-8

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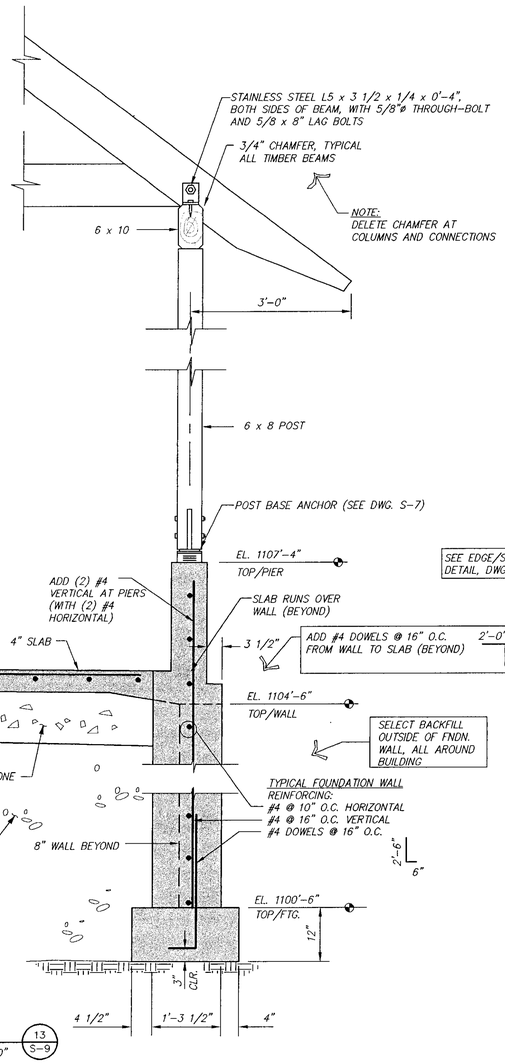
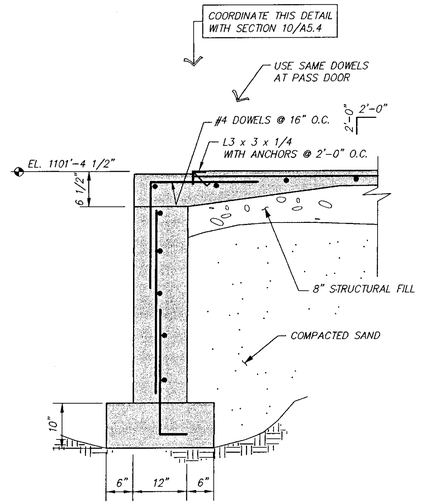
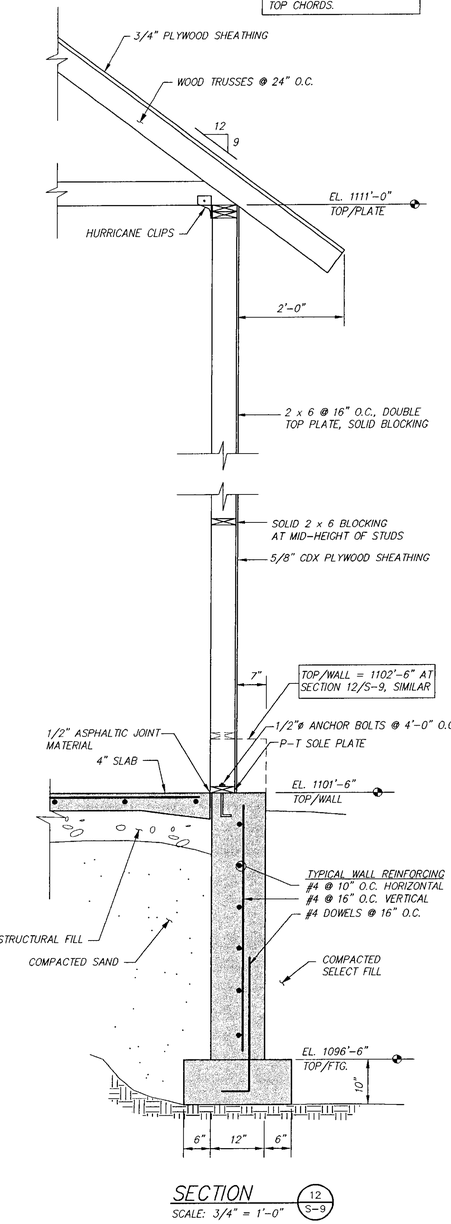


SECTION 13 S-9
SCALE: 3/4" = 1'-0"



SECTION 11 S-9
SCALE: 3/4" = 1'-0"

NOTE:
TRUSSES AT MAINTENANCE BUILDING SHALL HAVE 2 x 6 TOP CHORDS.



SECTION 12 S-9
SCALE: 3/4" = 1'-0"

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STRUCTURAL SECTIONS

S-9

DRAWING SYMBOLS

B / A3.1 — See this building section... ...on this drawing — BUILDING SECTION

3 / A4.1 — See this wall section... ...on this drawing — WALL SECTION

5 / A7.4 — See this detail ...on this drawing — DETAIL

5 / A7.4 — See this detail ...on this drawing — ENLARGED DETAIL

3 2 4 1 — Elevation Reference Number — INTERIOR ELEVATION
REFER TO SHEETS A7.1-A7.4 FOR INTERIOR ELEVATIONS DENOTED AS SUCH

A — WINDOW TYPE
REFER TO WINDOW SCHEDULE ON SHEET A6.1 FOR ALL WINDOWS DENOTED AS SUCH

Room where door is located
Door number
100A — DOOR NUMBER
REFER TO DOOR SCHEDULE ON SHEET A5.1 FOR ALL DOORS DENOTED AS SUCH

2 — INTERIOR WALL TYPE
SEE THIS SHEET FOR ALL WALL TYPES DENOTED AS SUCH. IF NOT REFERENCED OTHERWISE ALL INTERIOR WALLS ARE TO BE TYPE "1".

EL 200'-0" / FINISH FLOOR — VERTICAL ELEVATION

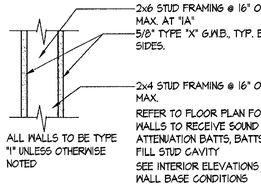
STORAGE
"201" — ROOM NAME AND NUMBER
REFER TO FINISH SCHEDULE ON SHEET A1.2 FOR ALL SPACES DENOTED AS SUCH

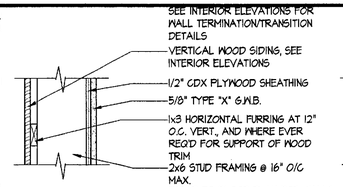
CONSTRUCTION MATERIALS

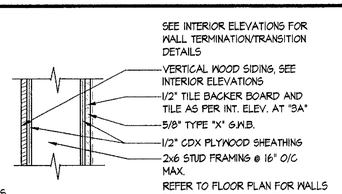
- BATT INSULATION
- RIGID INSULATION
- STONE VENEER
- COMPACTED GRANULAR FILL
- FINISHED WOOD
- ROUGH FRAMING
- GYPSUM WALLBOARD
- PLYWOOD
- CEMENT BOARD
- CONCRETE
- CONCRETE BLOCK
- BRICK
- STEEL OR HEAVY GAUGE METAL

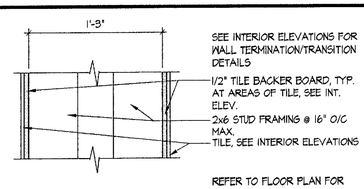
ABBREVIATIONS

ACT	acoustical tile	FOC	face of concrete	R	riser
ADJ	adjustable	FOF	face of foundation	RAD	radius
AFF	above finished floor	FOS	face of stud	RD	root drain
ALUM	aluminum	FTG	footing	REF	refrigerator
ARCH	architect(ural)	GA	gauge/gage	REQD	required
BD	board	GALV	galvanized	RM	room
BIT	bituminous	GB	grab bar	RO	rough opening
BLDG	building	GC	general contractor	SC	solid core
BLKG	blocking	GVL	gravel	SCH	schedule
BOT	bottom	GWB	gypsum wallboard	SD	storm drain
BSMT	basement	HB	hose bibb	SF	square foot (feet)
CAB	cabinet(ry)	HC	hollow core	SGL	single
CB	catch basin	HDW	hardware	SHTH	sheathing
CJ	control joint	HM	hollow metal	SIM	similar
CL	closet	HORIZ	horizontal	SQ	square
CLG	ceiling	HT	height	SPEC	specification(s)
CLR	clear(ance)	HVAC	heating ventilating air conditioning	SS	stainless steel
CMU	concrete masonry unit			STD	standard
CO	cleanout	HWD	hard wood	STL	steel
COL	column	ID	inside diameter	STR	structural
COMM	communication(s)	INS	insulate(d), (tion)	SUS	suspended
CONC	concrete	INT	interior	SV	sheet vinyl
CONST	construction	INV	invert	SWD	soft wood
CONT	continuous	JT	joint	SYS	system
CPT	carpet	LAV	lavatory	T	tread
CT	ceramic tile	LVR	louver	T&G	tongue & groove
DEMO	demolish/demolition	MAX	maximum	TEL	telephone
DET	detail	MECH	mechanical	THK	thick
DIAM	diameter	MFR	manufacture(r)	THR	threshold
DF	drinking fountain	MH	man hole	T.O.	throughout
DR	door	MIN	minimum	TOC	top of concrete
DWG	draw(ing)	MO	masonry opening	TOPL	top of plate
EA	each	MTL	metal	TOS	top of slab
ELEC	electric(al)	NET	network (ing)	TOST	top of steel
ELEV	elevation	NIC	not in contract	TOW	top of wall
EQ	equal	NOM	nominal	TYP	typical
EQUIP	equipment	NTS	not to scale	UNO	unless noted otherwise
EXG	existing	OC	on center (s)	VCT	vinyl composition tile
EXT	exterior	OD	outside diameter	VERT	vertical
FC	fire code	O.H.	opposite hand	VIF	verify in field
FD	floor drain	OPG	opening	VR	vapor retarder
FE	fire extinguisher	OPP	opposite	VTR	vent thru roof
FF	finished floor	PLAM	plastic laminate	W	with
FG	fiberglass	PL	plate	WC	water closet
FIN	finish(ed)	PNT	paint(ed)	WD	wood
FLG	flashing	PR	pair	WO	without
FND	foundation	PWD	plywood	WWF	welded wire fabric









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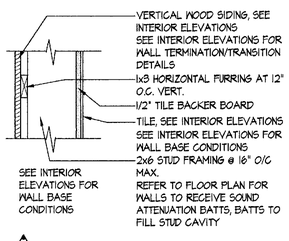

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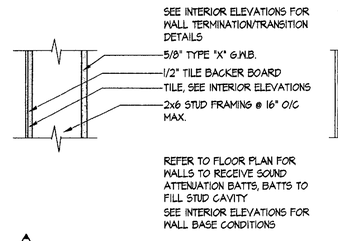

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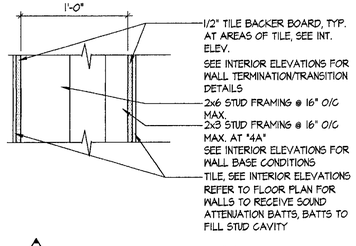

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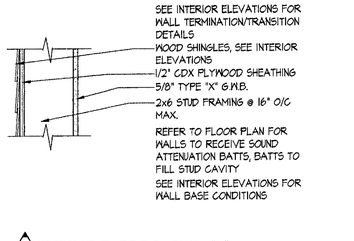

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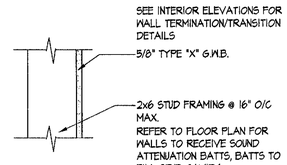

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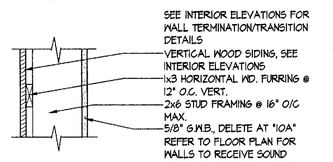

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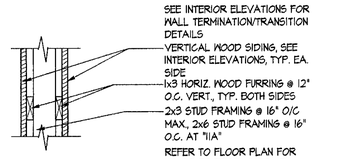

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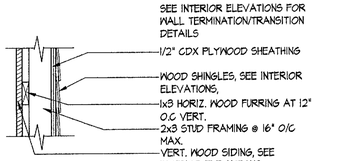

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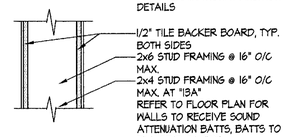

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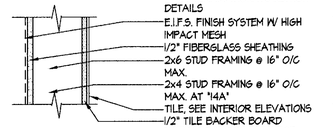

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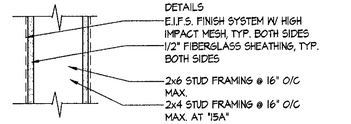

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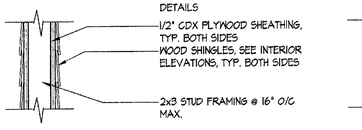
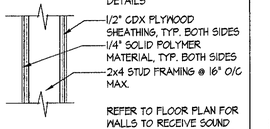


13/13A INTERIOR PARTITION TYPE "13"

14/14A INTERIOR PARTITION TYPE "14"

15/15A INTERIOR PARTITION TYPE "15"

16 INTERIOR PARTITION TYPE "16"



17 INTERIOR PARTITION TYPE "17"

INTERIOR PARTITION TYPES

SCALE: 1-1/2" = 1'-0" 2003_WALL-TYPE

PROJECT DESCRIPTION:

FULLY SPRINKLERED AS PER NFPA 13, ONE STORY (AND A MECHANICAL ATTIC) WELCOME FACILITY, PICNIC PAVILION, MAINTENANCE BUILDING, AND ALL ASSOCIATED SITEWORK.

GENERAL NOTES:

1. IF THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND/OR THE SPECIFICATIONS THE CONTRACTOR IS REQUIRED TO NOTIFY THE ARCHITECT PROMPTLY BEFORE PROCEEDING FURTHER WITH THE WORK.

2. IF THE CONTRACTOR ENCOUNTERS CONDITIONS DURING THE CONSTRUCTION THAT ARE DIFFERENT THAN WHAT IS SHOWN ON THE DRAWINGS NOTIFY THE ARCHITECT PROMPTLY BEFORE PROCEEDING FURTHER WITH THE WORK.

3. THE DRAWINGS AND SPECIFICATIONS GENERALLY ILLUSTRATE THE SCOPE OF THE WORK INTENDED FOR THE PROJECT. THEY DO NOT PURPORT TO SHOW ALL ASPECTS OF THE WORK NECESSARY TO COMPLETE THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR COMPLETING THE PROJECT IN A MANNER CONSISTENT WITH THE DESIGN INTENT AS ILLUSTRATED BY THE DRAWINGS AND THE SPECIFICATIONS.

4. ALL WORK IS TO BE DONE IN COMPLIANCE WITH THE 1999 VERMONT FIRE PREVENTION AND BUILDING CODE.

5. DURING THE BIDDING PROCESS, IF CONFLICTS OR DISCREPANCIES ARE ENCOUNTERED IN THE BID DOCUMENTS THE MORE EXPENSIVE CONDITION WILL BE REQUIRED.

6. ALL EXTERIOR WOOD BLOCKING AND ALL WOOD IN CONTACT WITH EITHER CONCRETE OR MASONRY TO BE PRESSURE TREATED.

7. CONTRACTOR TO VERIFY LAYOUT AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND TO CONSULT WITH THE ARCHITECT REGARDING ANY DISCREPANCIES THAT EXIST WITHIN THESE CONSTRUCTION DOCUMENTS.

8. CONTRACTOR TO CONSULT THE OWNER FOR ANY ITEMS TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

9. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, ETC. ASSOCIATED WITH THE EXECUTION AND COMPLETION OF ALL WORK.

10. PROVIDE WOOD BLOCKING IN PARTITIONS AS REQUIRED FOR MOUNTING OF HANDRAILS, CABINETS, SHELVING, GRAB BARS, ETC.

CODE ANALYSIS

USE GROUP:	"A-3"
CONSTRUCTION TYPE:	"5B"
FLOOR AREAS:	
WELCOME CENTER	
HEATED BUILDING AREA	4,225 G.S.F.
COVERED PORCH AREA	1,825 G.S.F.
TOTAL AREA:	6,050 G.S.F.
PICNIC PAVILION	1260 G.S.F.
MAINTENANCE BUILDING	360 G.S.F.
-ALLOWABLE SQUARE FOOTAGE FROM BOCA 1997 EDITION, TABLE 501	4,200 S.F., 2 STORY, 35'
-SECTION 503.1 PROVIDES AN INCREASE IN HEIGHT OF 1 STORY , 20' FOR FULLY SPRINKLED	ADDITIONAL 1 STORY, 20'
-SECTION 503.3 ALLOWS FOR AN INCREASE OF 200% FOR FULLY SPRINKLED BUILDINGS OF ONE STORY	ADDITIONAL 8400 ALLOWABLE S.F.
TOTAL ALLOWABLE AREA AND HEIGHT	12,600 S.F., 3 STORY 55'
ACTUAL MAX. FLOOR AREA AND HEIGHT	7,670 S.F., 1 STORY 30'

THE 1996 EDITION OF BOCA HAS THE FOLLOWING REQUIREMENTS FOR CONSTRUCTION TYPE "5B" AS AMMENDED BY THE 1997 LIFE SAFETY CODE

EXTERIOR WALLS	
LOADBEARING	0 HOUR, BASED ON DISTANCE
NONLOADBEARING	0 HOUR, BASED ON DISTANCE
FIRE WALLS AND PARTY WALLS	NOT APPLICABLE
FIRE SEPERATION ASSEMBLIES	
FIRE ENCLOSURES OF EXITS	NOT APPLICABLE
SHAFTS	NOT APPLICABLE
MIXED USE AND FIRE AREA SEPARATIONS	NOT APPLICABLE
FIRE PARTITIONS	
EXIT ACCESS CORRIDORS	0 HOUR
TENANT SPACES	NOT APPLICABLE
DWELLING UNIT AND GUESTROOM SEPERATIONS	NOT APPLICABLE
SMOKE BARRIERS	NOT APPLICABLE
OTHER NONLOADBEARING PARTITIONS	0 HOUR
INTERIOR LOADBEARING WALLS, LOADBEARING PARTITIONS, COLUMNS, GIRDERS, TRUSSES AND FRAMING	
SUPPORTING MORE THAN ONE FLOOR	0 HOUR
SUPPORTING ONE FLOOR OR ROOF ONLY	0 HOUR
STRUCTURAL MEMBERS SUPPORTING WALL	0 HOUR
FLOOR CONSTRUCTION INCLUDING BEAMS	0 HOUR
ROOF CONSTRUCTION, INCLUDING BEAMS, TRUSSES AND FRAMING, ARCHES AND ROOF DECK	
15' OR LESS IN HEIGHT TO LOWEST MEMBER	0 HOUR
MORE THAN 15' LESS THAN 20' TO LOWEST MEMBER	0 HOUR
20' OR MORE IN HEIGHT TO LOWEST MEMBER	0 HOUR

GENERAL NOTES:

1. SEE ENLARGED DETAILS NOTED FOR ALL DIMENSIONS, TYP. NOTES, WALL TYPES, AND ALL OTHER INFORMATION RELATING TO THAT AREA

2. ALL DIMENSIONS ARE TO EITHER C.L. OR FACE OF STUD, FACE OF MASONRY WALL, FACE OF CONCRETE OR COLUMN C.L. UNLESS OTHERWISE NOTED.

3. REFER TO SHEET A1.3 FOR REFLECTED CEILING PLANS.

4. REFER TO SHEET A1.3 FOR FLOOR FINISHES.

5. REFERS TO WALLS TO RECEIVE THERMAL INSULATION

6. REFERS TO WALLS TO RECIEVE SOUND ATTENUATION BATTS. BATTS TO FILL STUD CAVITY, TYP.

7. "FE" REFERS TO LOCATIONS OF FIRE EXTINGUISHERS.

8. "FD" REFERS TO LOCATIONS OF FLOOR DRAINS.

9. "F.O.S." REFERS TO A DIMENSION TAKEN TO FACE OF STUD.

10. "F.O.F." REFERS TO A DIMENSION TAKEN TO FACE OF FOUNDATION

11. "F.O.C." REFERS TO A DIMENSION TAKEN TO FACE OF WOOD COLUMN

THESE NOTES ARE TYP. REFERENCE FOR ITEMS FOUND ON FLOOR PLANS FOUND ON SHEETS A1.1, A1.2, A4.1, AND A10.1.

REGISTERED ARCHITECT — ROBERT R. STOCKWELL — No. 1376 — STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: N.T.S.
CHECKED: HS
PROJECT NO: 2003

GENERAL NOTES / CODE ANALYSIS AND WALL TYPES

A0.0

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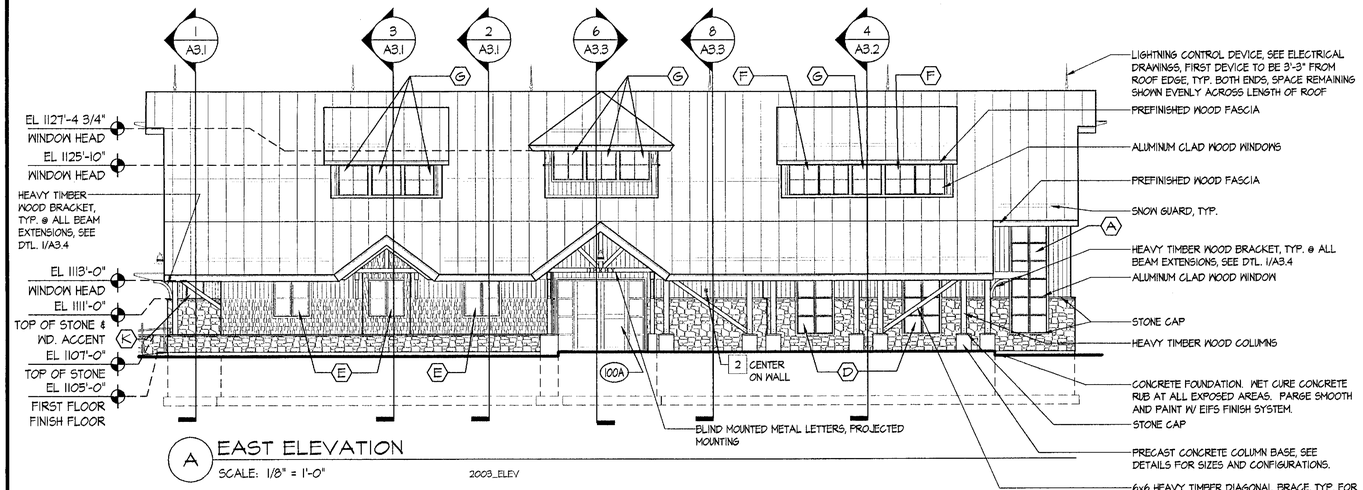
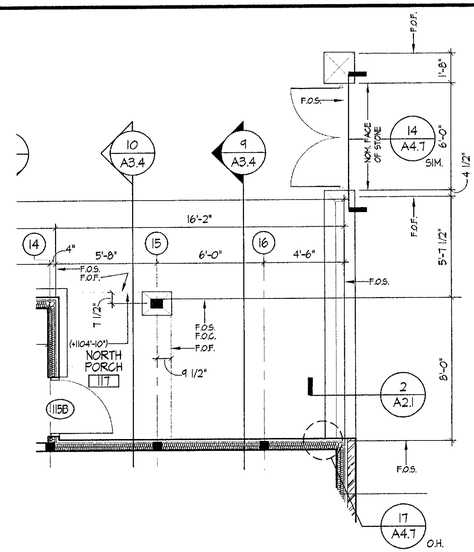


A EAST ELEVATION
SCALE: 1/8" = 1'-0"
2003_ELEV

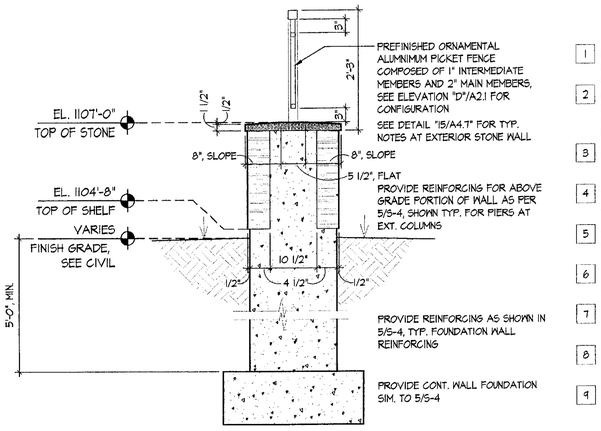
ELEVATION LEGEND

- VERTICAL WOOD SIDING, SEE SPECIFICATIONS FOR SPECIES, SIZE, AND FINISH. COLOR TO MATCH OLYMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025
- WOOD SHINGLES, SEE SPECIFICATIONS FOR SIZE, AND FINISH. N COLOR TO MATCH OLYMPIC STAINS "WINNING RED"
- STONE VENEER, SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH
- METAL STANDING SEAM ROOF, TO MATCH ENGLERT "PRE-WEATHERED GALVALUME". SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH

ALL "PREFINISHED WOOD FASCIA" TO MATCH OLYMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025.



1 PLAN CONTINUATION @ NORTH SITE WALL
SCALE: 1/4" = 1'-0"
2003_FP01



2 WALL SECTION @ NORTH SITE WALL
SCALE: 3/4" = 1'-0"
2003_ARCH-DTL04

1 FIRE ALARM VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN. PROVIDE CAGE IN EXTERIOR LOCATIONS.

2 FIRE ALARM COMBINED AUDIO/VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN. PROVIDE CAGE AT EXTERIOR LOCATIONS

3 SECURITY CAMERA PER ELEC. DRAWINGS.

4 TEL/DATA OUTLET PER ELEC. DRAWINGS. MOUNT AT 18" AFF AT LOCATION SHOWN.

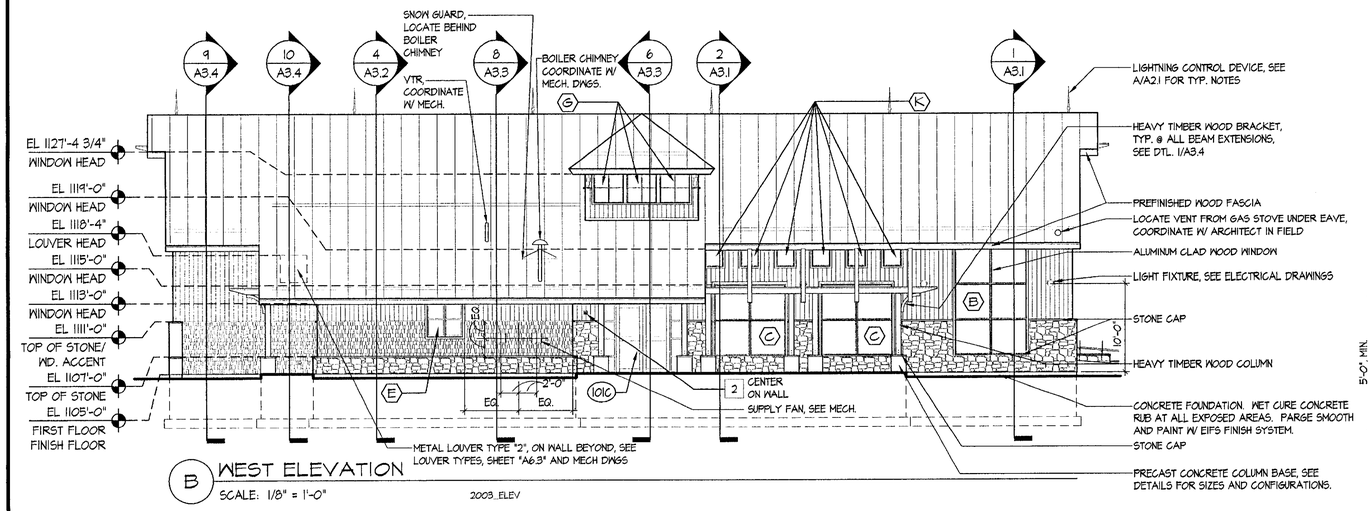
5 DUPLEX CONVENIENCE OUTLET PER ELEC. DRAWINGS. MOUNT AT 18" AFF AT LOCATION SHOWN.

6 WALL-MOUNTED EXIT SIGN PER ELEC. DRAWINGS. MOUNT AT 8'-4" AFF

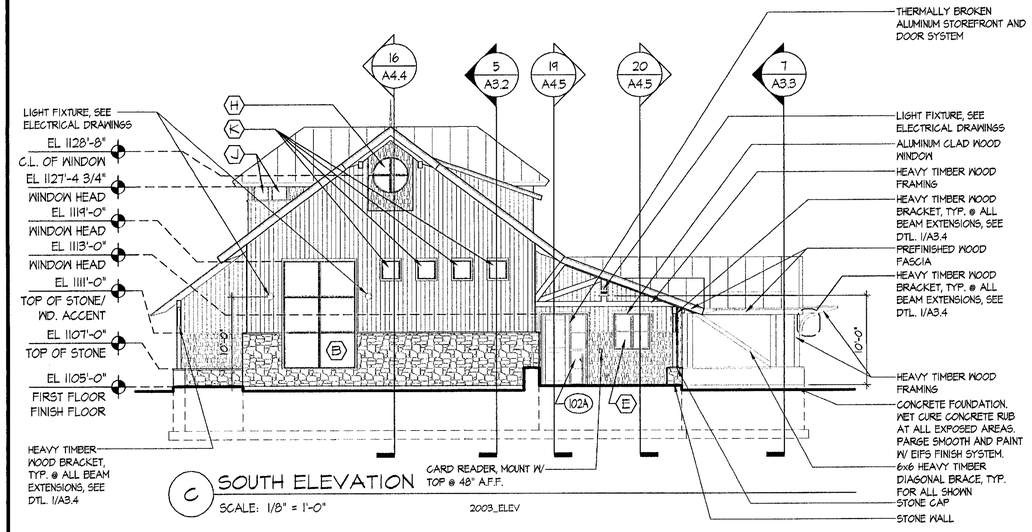
7 FIRE ALARM MANUAL PULL STATION PER ELEC. DRAWINGS

8 ELECTRONIC COUNTER PER ELEC. DRAWINGS

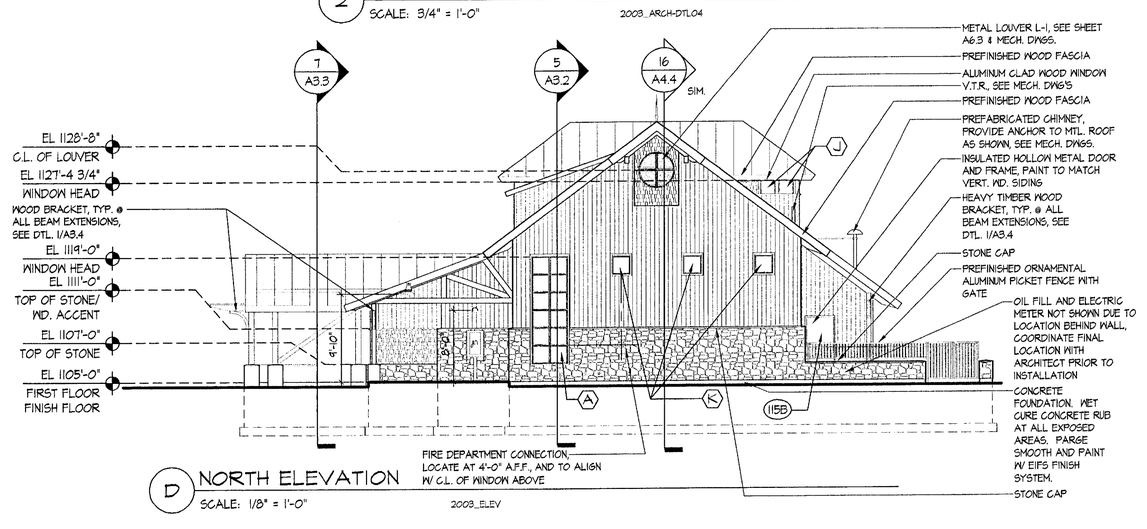
9 ELECTRONIC COUNTER REFLECTOR PER ELEC. DRAWINGS



B WEST ELEVATION
SCALE: 1/8" = 1'-0"
2003_ELEV



C SOUTH ELEVATION
SCALE: 1/8" = 1'-0"
2003_ELEV



D NORTH ELEVATION
SCALE: 1/8" = 1'-0"
2003_ELEV

REGISTERED ARCHITECT ROBERT H. SHEPLEY No. 1178 STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #M 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

WELCOME CENTER BUILDING ELEVATIONS

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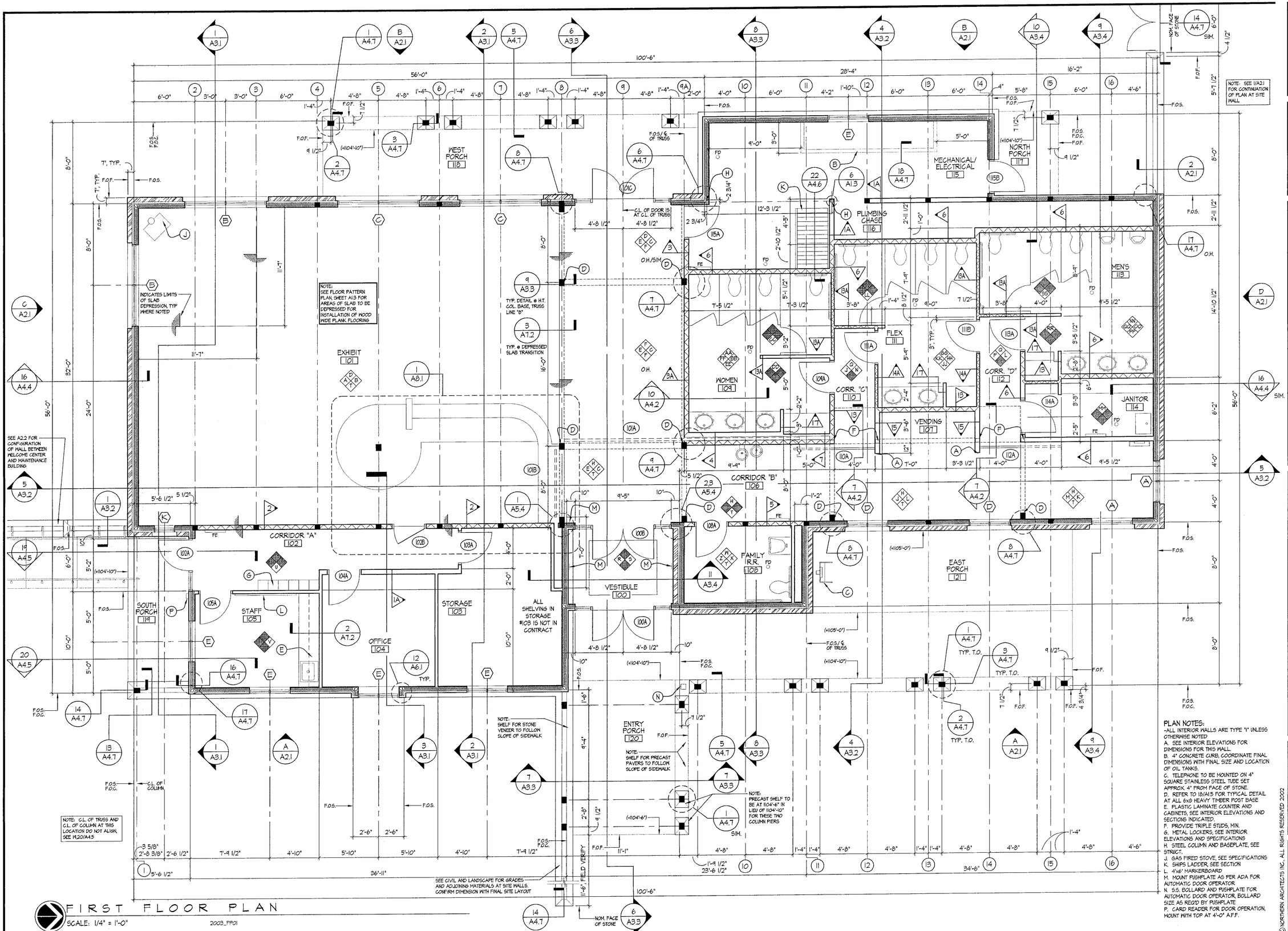
A2.1



FIRST FLOOR PLAN

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

2003_FP01

PLAN NOTES:

-ALL INTERIOR WALLS ARE TYPE "1" UNLESS OTHERWISE NOTED

A. SEE INTERIOR ELEVATIONS FOR DIMENSIONS FOR THIS WALL.

B. 4" CONCRETE CURB, COORDINATE FINAL DIMENSIONS WITH FINAL SIZE AND LOCATION OF OIL TANKS.

C. TELEPHONE TO BE MOUNTED ON 4" SQUARE STAINLESS STEEL TUBE SET APPROX. 4' FROM FACE OF STONE.

D. REFER TO 18/A1.5 FOR TYPICAL DETAIL AT ALL 6x8 HEAVY TIMBER POST BASE

E. PLASTIC LAMINATE COUNTER AND CABINETS, SEE INTERIOR ELEVATIONS AND SECTIONS INDICATED.

F. PROVIDE TRIPLE STUDS, MIN.

G. METAL LOCKERS, SEE INTERIOR ELEVATIONS AND SPECIFICATIONS

H. STEEL COLUMN AND BASEPLATE, SEE STRUCT.

J. GAS FIRED STOVE, SEE SPECIFICATIONS

K. SHIPS LADDER, SEE SECTION

L. 4'x6' MARKERBOARD

M. MOUNT PUSHPLATE AS PER ADA FOR AUTOMATIC DOOR OPERATOR

N. S.S. BOLLARD AND PUSHPLATE FOR AUTOMATIC DOOR OPERATOR, BOLLARD SIZE AS REQ'D BY PUSHPLATE

P. CARD READER FOR DOOR OPERATION, MOUNT WITH TOP AT 4'-0" A.F.F.

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DERBY WELCOME CENTER
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NEW FACILITY

DERBY
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DATE: 01/07/2002
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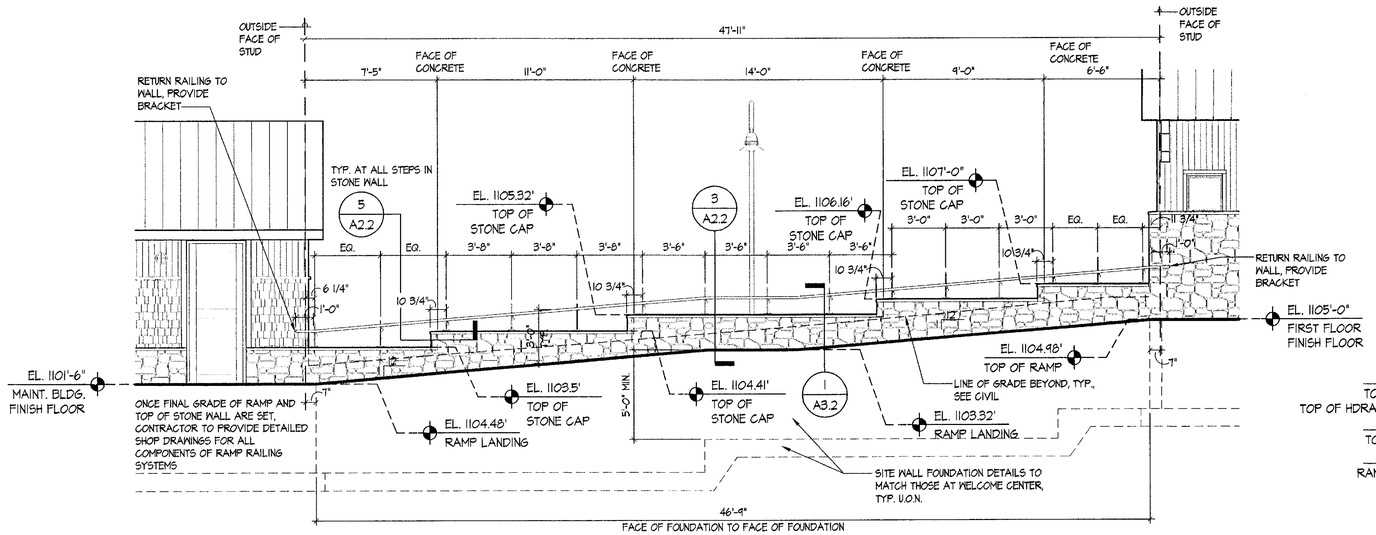
CHECKED: HS
PROJECT NO: 2003

FLOOR PLAN - WELCOME CENTER

A1.1

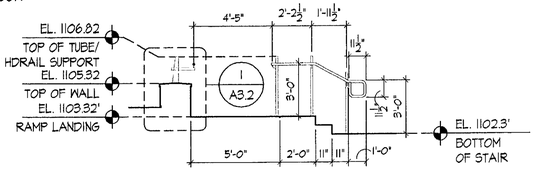


1 ELEVATION OF RAIL / WALL BETWEEN WELCOME CENTER & MAINTENANCE BUILDING

SCALE: 1/4" = 1'-0" 2003_ELEV-RAMP

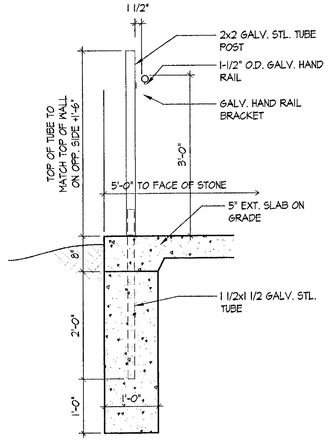
ELEVATION LEGEND

- VERTICAL WOOD SIDING, SEE SPECIFICATIONS FOR SPECIES, SIZE, AND FINISH. COLOR TO MATCH OLYMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025
- WOOD SHINGLES, SEE SPECIFICATIONS FOR SIZE, AND FINISH. N COLOR TO MATCH OLYMPIC STAINS "WINNING RED"
- STONE VENEER, SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH
- METAL STANDING SEAM ROOF, TO MATCH ENSLERT "PRE-WEATHERED GALVALUME", SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH
- ALL "PREFINISHED WOOD FASCIA" TO MATCH OLUMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025.



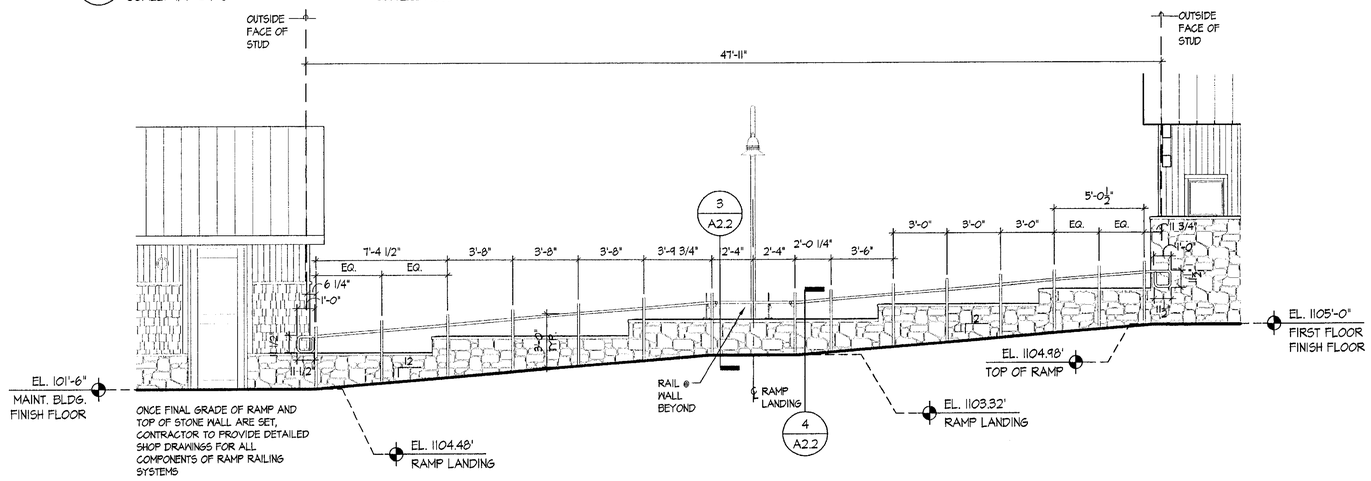
3 ELEV. OF RAIL @ WALKWAY STAIR

SCALE: 1/4" = 1'-0" 2003_ELEV-RAMP



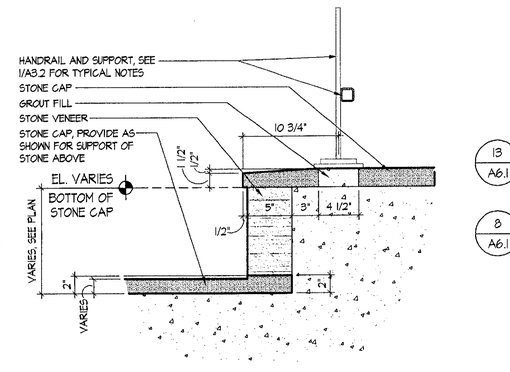
4 HAND RAIL SECTION @ RAMP

SCALE: 3/4" = 1'-0" 2003_DTL-ARCH04



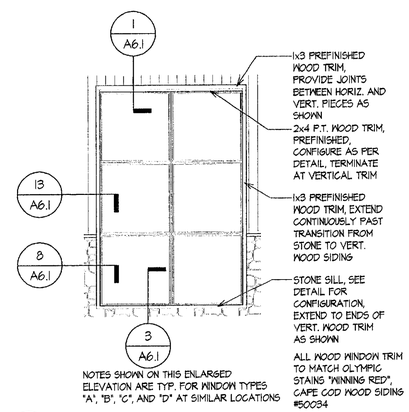
2 ELEVATION OF RAILS BETWEEN WELCOME CENTER & MAINTENANCE BUILDING

SCALE: 1/4" = 1'-0" 2003_ELEV-RAMP



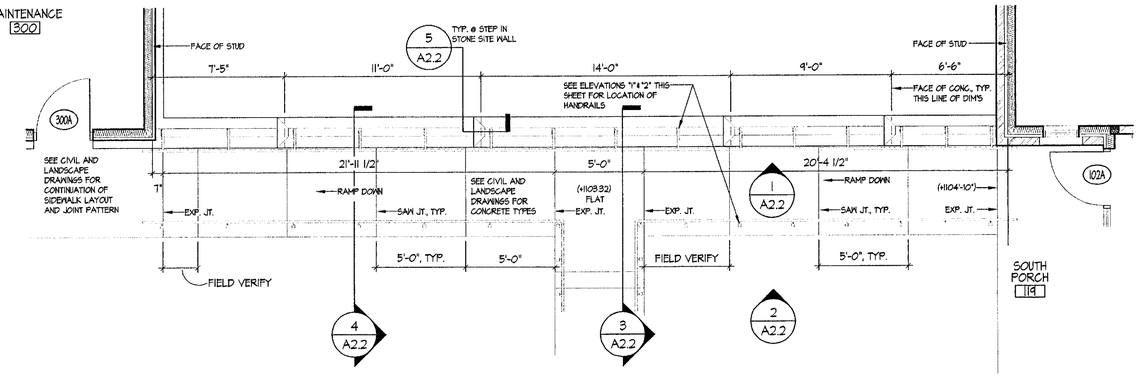
5 DETAIL AT STEP IN STONE WALL

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



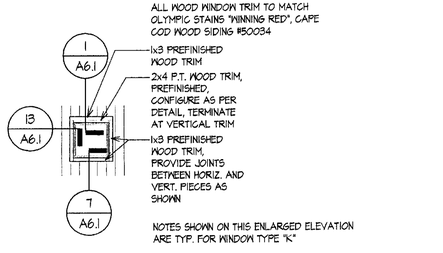
6 ENLARGED WINDOW ELEVATION

SCALE: 1/4" = 1'-0" 2003_ELEV



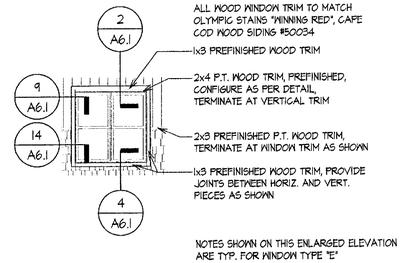
PLAN OF RAMP BETWEEN WELCOME CENTER & MAINTENANCE BUILDING

SCALE: 1/4" = 1'-0" 2003_FP01



7 ENLARGED WINDOW ELEVATION

SCALE: 1/4" = 1'-0" 2003_ELEV



8 ENLARGED WINDOW ELEVATION

SCALE: 1/4" = 1'-0" 2003_ELEV

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #TM 091-3(8)

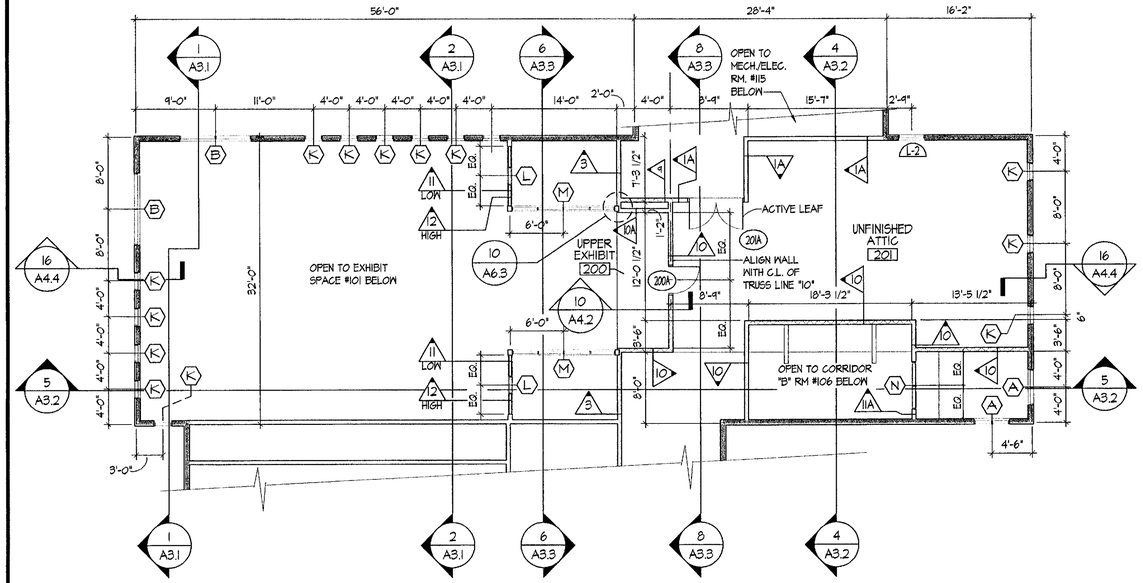
NEW FACILITY

DERBY
VERMONT

DATE: 01/01/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

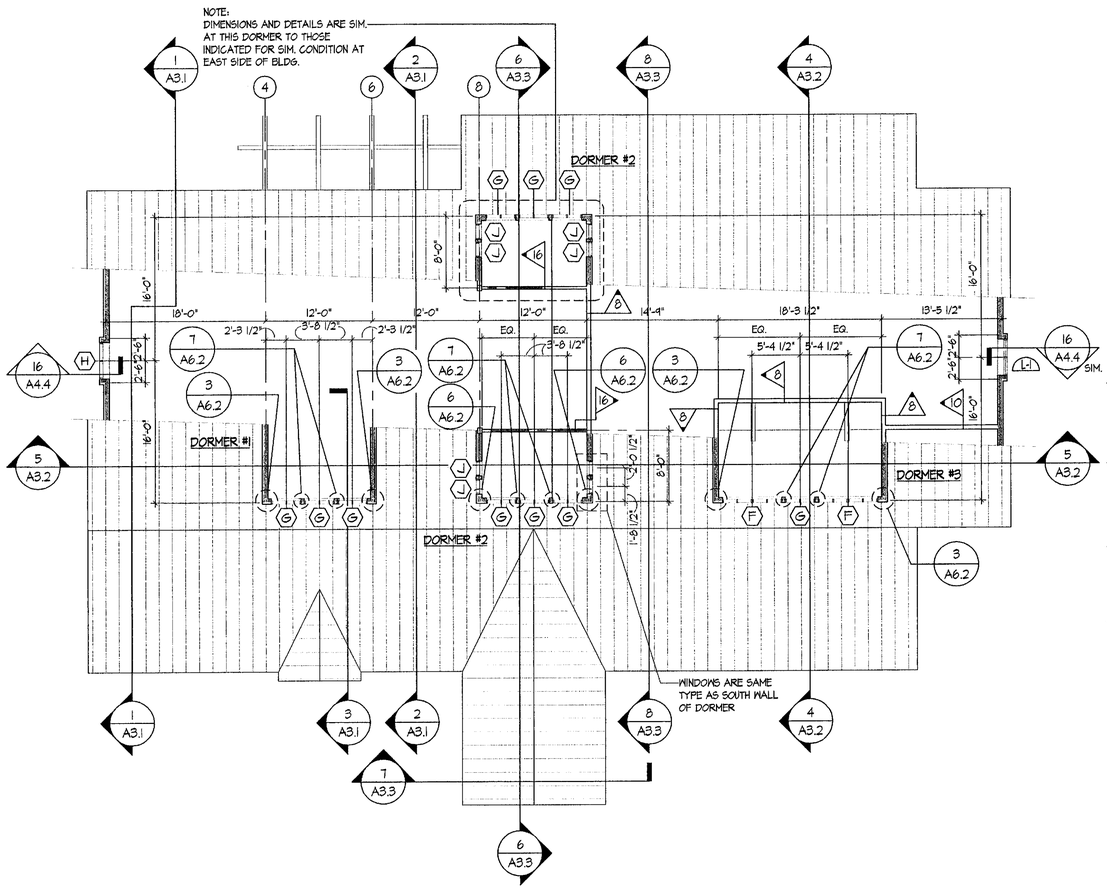
RAMP PLAN, ELEVATIONS, AND DETAILS / ENLARGED ELEVATIONS

A2.2



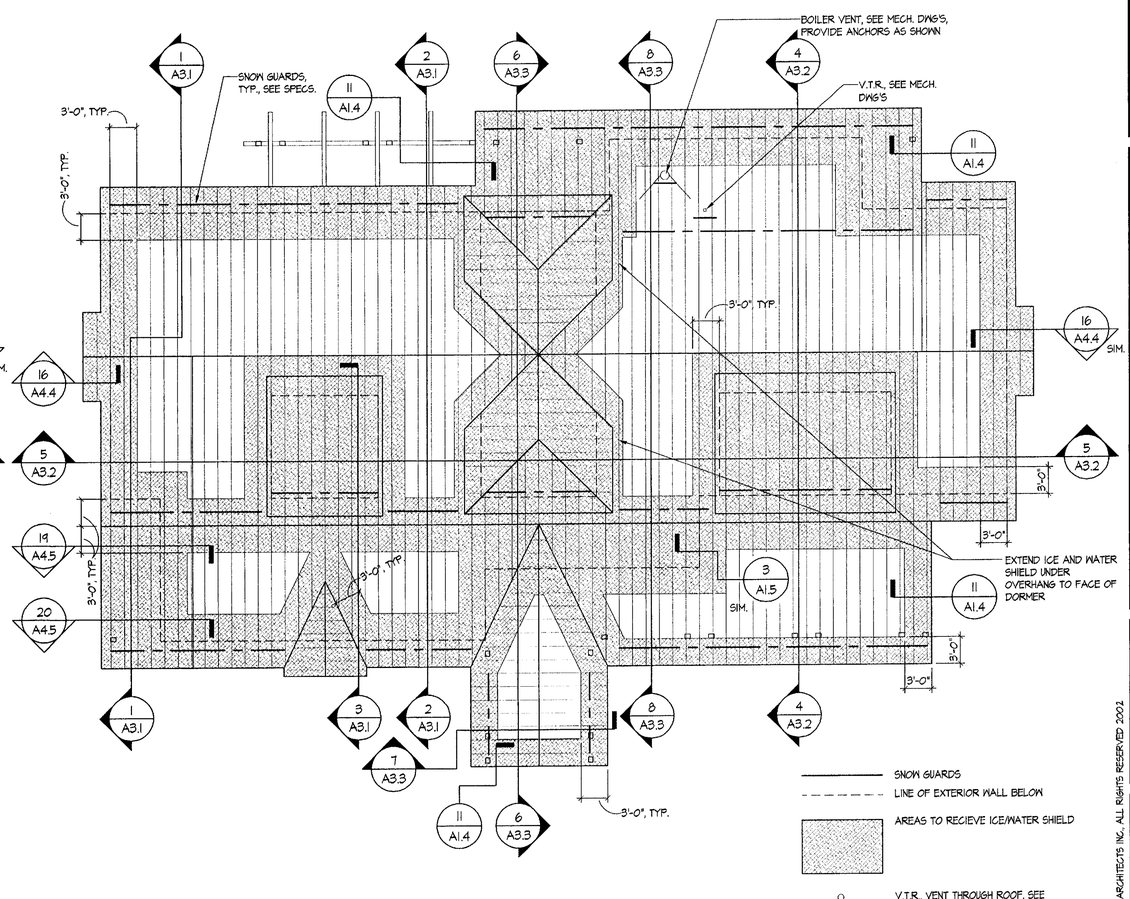
ATTIC/CLERESTORY PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



DORMER PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



ROOF PLAN

SCALE: 1/8" = 1'-0" 2003_FP01

ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOORS FINISH	FLOORS BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILINGS FINISH	CEILINGS HT.	REMARKS
100	VESTIBULE	MAT/C.T.	---	WOOD/STONE	WOOD/STONE	ALUM SF	ALUM SF	WOOD	9'-0"	NOTE #3, #4
101	EXHIBIT	CT/WOOD	WD	WOOD	WOOD	WOOD	WOOD	WOOD	VARIES	NOTE #3, #4
102	CORRIDOR "A"	VCT	RUBBER	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	ACT	8'-4"	
103	STORAGE	VCT	RUBBER	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	ACT	8'-4"	
104	OFFICE	VCT	RUBBER	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	ACT	8'-1"	
105	STAFF	VCT	RUBBER	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	ACT	8'-4"	
106	CORRIDOR "B"	CT	WD	WOOD	---	WOOD	CT	WOOD/MTL. GRID & PANEL	VARIES	NOTE #3, #4, #5
107	VENDING	CT	WD	E.I.F.S.	E.I.F.S.	---	CT	PAINTED G.W.B.	VARIES	NOTE #3, #5, #7
108	FAMILY RESTROOM	CT	CT	CT	CT	CT	CT	ACT	8'-3" +/-	NOTE #3, #6
109	WOMENS RESTROOM	CT	CT	CT	CT	CT	CT	PAINTED GWB	8'-3" +/-	NOTE #3, #7
110	CORRIDOR "C"	CT	WD	E.I.F.S	CT	---	CT	PAINTED GWB	8'-3" +/-	NOTE #3, #7
111	FLEX RESTROOM	CT	CT	CT	CT	CT	CT	PAINTED GWB	8'-3" +/-	NOTE #3, #7
112	CORRIDOR "D"	CT	WD	CT	E.I.F.S.	---	CT	PAINTED GWB	8'-3" +/-	NOTE #3, #7
113	MENS RESTROOM	CT	CT	CT	CT	CT	CT	PAINTED GWB	8'-3" +/-	NOTE #3, #7
114	JANITOR	VCT	RUBBER	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	8'-3" +/-	NOTE #8
115	MECHANICAL/ELECTRICAL	CONC.	---	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	PAINTED GWB	VARIES	NOTE #8
116	PLUMBING CHASE	CONC	---	GWB	GWB	GWB	GWB	GWB	8'-3" +/-	NOTE #8
200	UPPER EXHIBIT	PLYWOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	6'-0"	NOTE #2
201	UNFINISHED ATTIC	PLYWD	---	GWB	GWB	GWB	GWB	WOOD	VARIES	NOTE #1, #2
300	MAINTENANCE	CONC.	---	PTD OSB	PTD OSB	PTD OSB	PTD OSB	PTD OSB	9'-6"	

GENERAL NOTES:
-ALL AREAS OF WALL TILE TO BE PLACED ON 1/2" TILE BACKER BOARD
-ALL AREAS OF E.I.F.S. TO BE INSTALLED OVER FIBERGLASS SHEATHING
-E.I.F.S.-EXTERIOR INSULATION AND FINISH SYSTEM, "STO" OR EQUAL.

REMARKS:
NOTE #1: G.W.B. TO BE TAPED, BUT NOT PAINTED.
NOTE #2: PLYWOOD FLOORING IS TO BE PAINTED.
NOTE #3: SEE INTERIOR ELEVATIONS FOR LOCATION AND EXTENT OF MATERIALS
NOTE #4: SEE FLOOR PATTERN PLAN FOR LOCATIONS AND EXTENT OF MATERIALS
NOTE #5: SEE REFLECTED CEILING PLAN FOR CONFIGURATION.
NOTE #6: CEILING HEIGHT TO MATCH THAT IN RM.'S #109/#111/#113.
NOTE #7: AREAS OF CEILING INDICATED TO BE G.W.B. SHOULD BE HIGH IMPACT RESISTANT G.W.B.
NOTE #8: AREAS OF WALL AND CEILING INDICATED TO BE G.W.B. SHOULD BE HIGH IMPACT G.W.B.

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DERBY WELCOME CENTER
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NEW FACILITY

DERBY
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CHECKED:	HS
PROJECT NO:	2003

ATTIC, DORMER AND ROOF PLAN / FINISH SCHEDULE

A1.2

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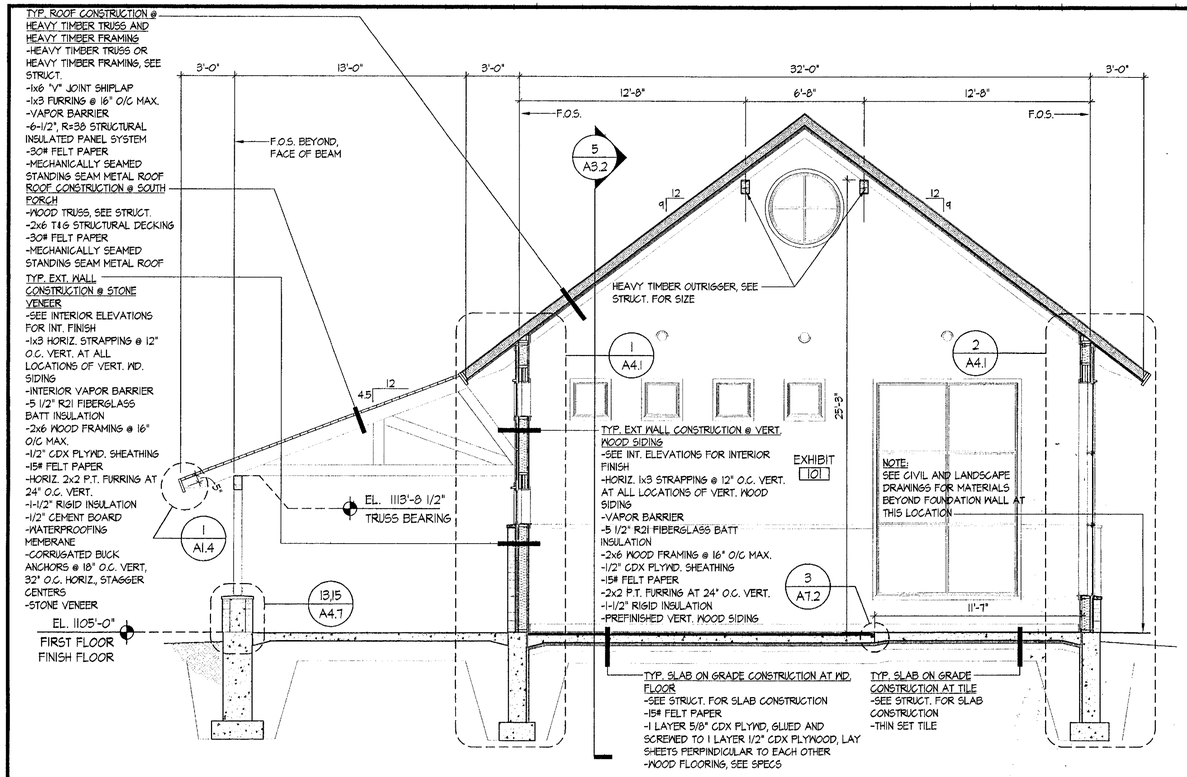
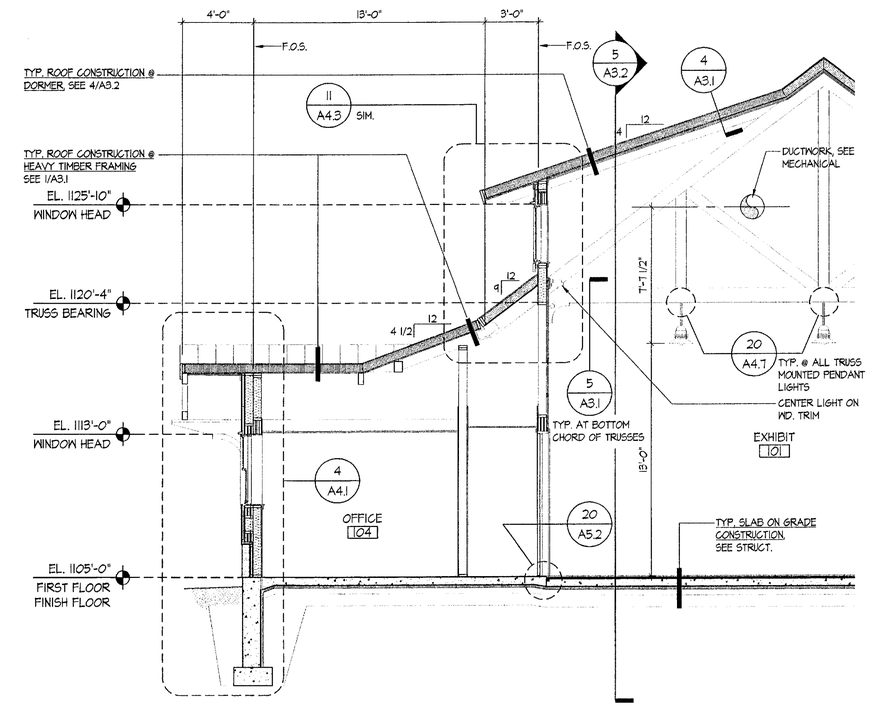


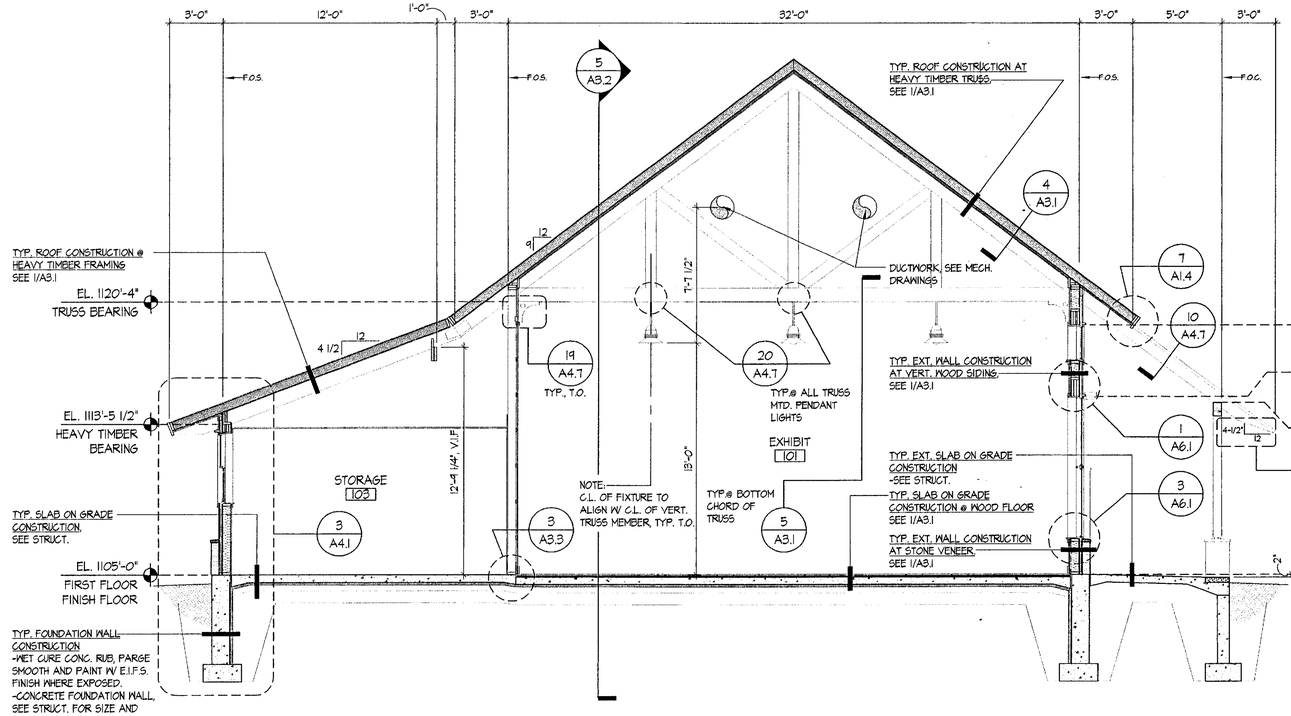
1 BUILDING SECTION AT EXHIBIT

SCALE: 1/4" = 1'-0" 2003_BS01



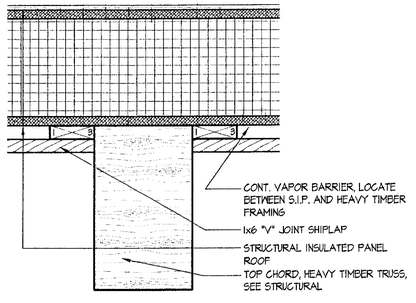
3 PARTIAL BUILDING SECTION AT DORMER

SCALE: 1/4" = 1'-0" 2003_BS07



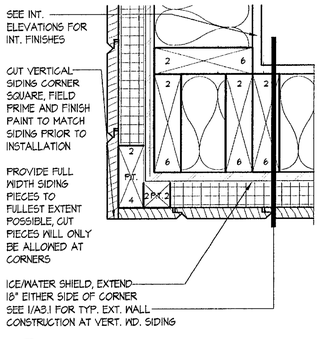
2 BUILDING SECTION AT EXHIBIT/OFFICES

SCALE: 1/4" = 1'-0" 2003_BS02



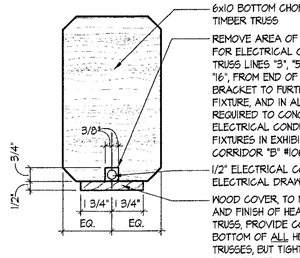
4 TYP. CEILING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



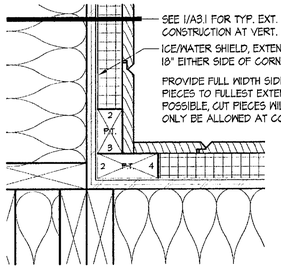
6 TYP. CORNER DETAIL

SCALE: 3" = 1'-0"



5 BOTTOM CHORD TRUSS DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



7 TYP. CORNER DETAIL

SCALE: 3" = 1'-0"

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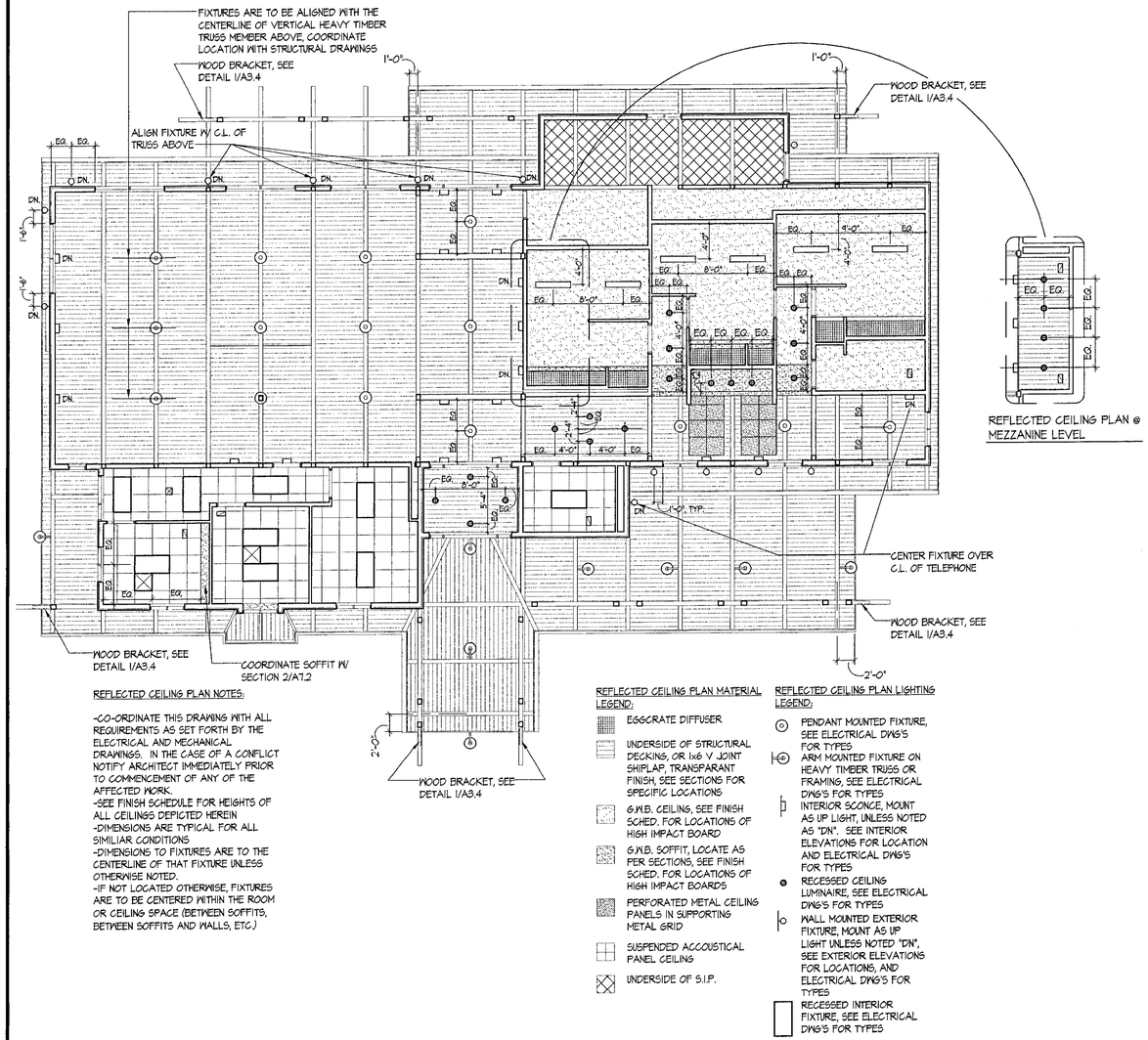
PROJECT NO: 2003

BUILDING SECTIONS

A3.1



REFLECTED CEILING PLAN @ MEZZANINE LEVEL

REFLECTED CEILING PLAN NOTES:

-CO-ORDINATE THIS DRAWING WITH ALL REQUIREMENTS AS SET FORTH BY THE ELECTRICAL AND MECHANICAL DRAWINGS. IN THE CASE OF A CONFLICT NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCEMENT OF ANY OF THE AFFECTED WORK.
-SEE FINISH SCHEDULE FOR HEIGHTS OF ALL CEILINGS DEPICTED HEREIN
-DIMENSIONS ARE TYPICAL FOR ALL SIMILIAR CONDITIONS
-DIMENSIONS TO FIXTURES ARE TO THE CENTERLINE OF THAT FIXTURE UNLESS OTHERWISE NOTED.
-IF NOT LOCATED OTHERWISE, FIXTURES ARE TO BE CENTERED WITHIN THE ROOM OR CEILING SPACE (BETWEEN SOFFITS, BETWEEN SOFFITS AND WALLS, ETC.)

REFLECTED CEILING PLAN MATERIAL LEGEND:

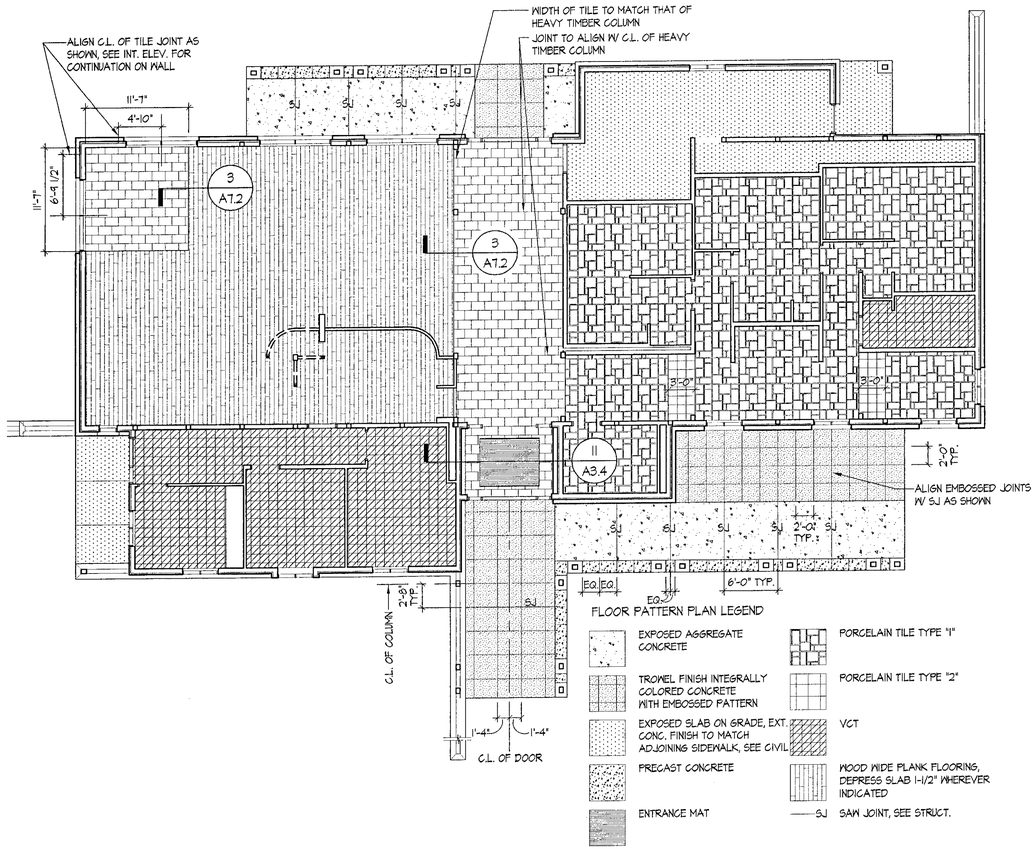
- EGGCRATE DIFFUSER
- UNDERSIDE OF STRUCTURAL DECKING, OR 1x6 V JOINT SHIPLAP, TRANSPARANT FINISH, SEE SECTIONS FOR SPECIFIC LOCATIONS
- G.W.B. CEILING, SEE FINISH SCHED. FOR LOCATIONS OF HIGH IMPACT BOARD
- G.W.B. SOFFIT, LOCATE AS PER SECTIONS, SEE FINISH SCHED. FOR LOCATIONS OF HIGH IMPACT BOARDS
- PERFORATED METAL CEILING PANELS IN SUPPORTING METAL GRID
- SUSPENDED ACCOUSTICAL PANEL CEILING
- UNDERSIDE OF S.I.P.

REFLECTED CEILING PLAN LIGHTING LEGEND:

- PENDANT MOUNTED FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES
- ARM MOUNTED FIXTURE ON HEAVY TIMBER TRUSS OR FRAMING, SEE ELECTRICAL DWG'S FOR TYPES
- INTERIOR SCONCE, MOUNT AS UP LIGHT, UNLESS NOTED AS "DN". SEE INTERIOR ELEVATIONS FOR LOCATION AND ELECTRICAL DWG'S FOR TYPES
- RECESSED CEILING LUMINAIRE, SEE ELECTRICAL DWG'S FOR TYPES
- WALL MOUNTED EXTERIOR FIXTURE, MOUNT AS UP LIGHT UNLESS NOTED "DN", SEE EXTERIOR ELEVATIONS FOR LOCATIONS, AND ELECTRICAL DWG'S FOR TYPES
- RECESSED INTERIOR FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES

REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0" 2003_FP01

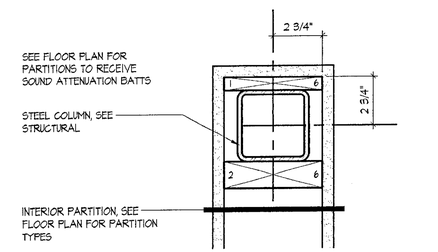


FLOOR PATTERN PLAN LEGEND

- EXPOSED AGGREGATE CONCRETE
- TROWEL FINISH INTEGRALLY COLORED CONCRETE WITH EMBOSSED PATTERN
- EXPOSED SLAB ON GRADE, EXT. CONC. FINISH TO MATCH ADJOINING SIDEWALK, SEE CIVIL
- PRECAST CONCRETE
- ENTRANCE MAT
- PORCELAIN TILE TYPE "1"
- PORCELAIN TILE TYPE "2"
- VCT
- WOOD WIDE PLANK FLOORING, DEPRESS SLAB 1-1/2" WHEREVER INDICATED
- SJ SAW JOINT, SEE STRUCT.

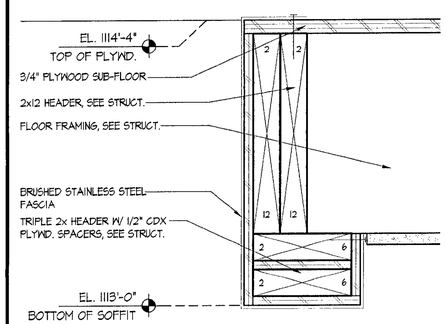
FLOOR PATTERN PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



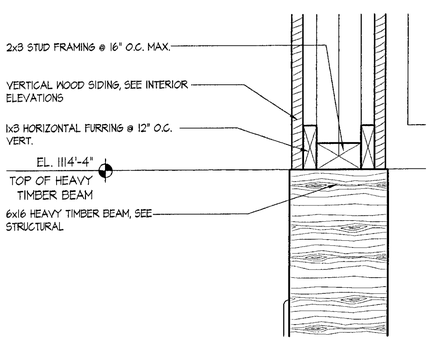
6 COLUMN DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



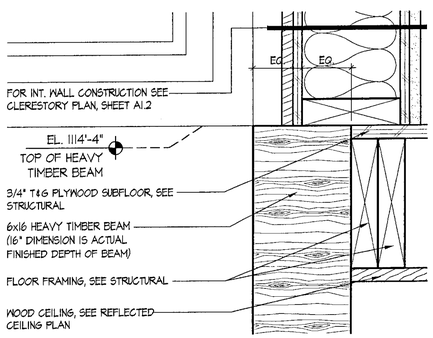
1 FASCIA DETAIL @ VENDING

SCALE: 3" = 1'-0" 2003_B504



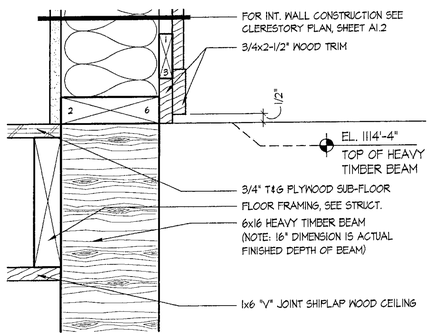
2 DETAIL AT HEAVY TIMBER SOFFIT

SCALE: 3" = 1'-0" 2003_B506



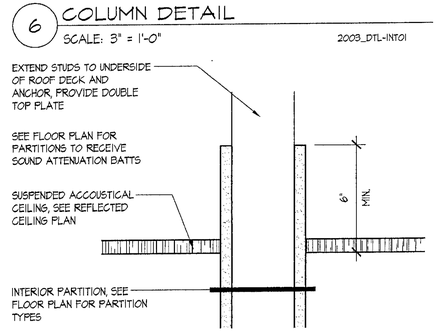
3 DETAIL AT HEAVY TIMBER SOFFIT

SCALE: 3" = 1'-0" 2003_B506



4 DETAIL AT HEAVY TIMBER SOFFIT

SCALE: 3" = 1'-0" 2003_B506



5 WALL TERMINATION DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01

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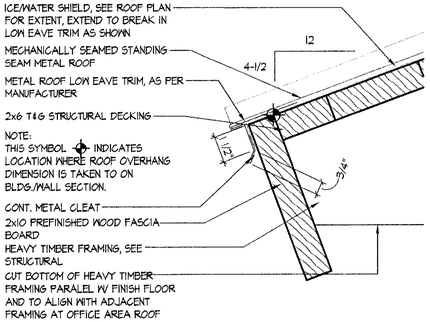
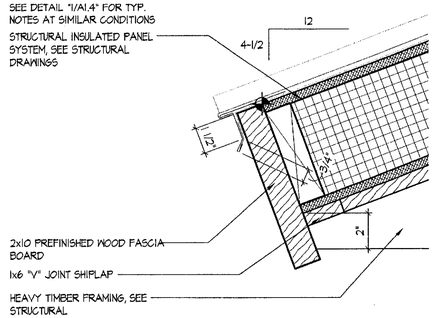
REFLECTED CEILING AND FLOOR PATTERN PLANS

A1.3



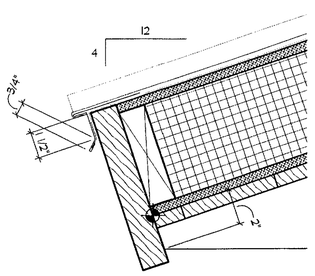
1 FASCIA DTL. @ SOUTH PORCH

SCALE: 3" = 1'-0" 2003_B501



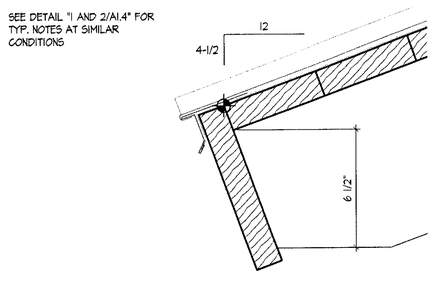
2 FASCIA DTL. @ 4.5:12 S.I.P. ROOF

SCALE: 3" = 1'-0" 2003_B502



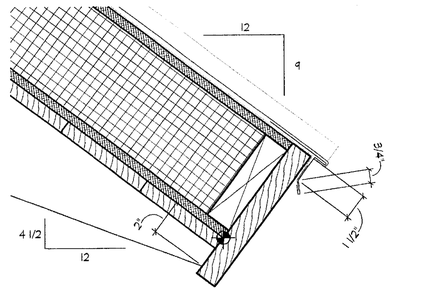
3 FASCIA DTL. @ 4:12 S.I.P. ROOF

SCALE: 3" = 1'-0" 2003_B504



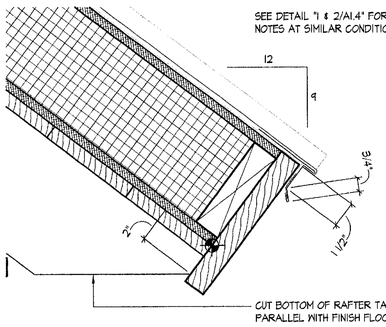
4 FASCIA DTL. @ EAST PORCH ROOF

SCALE: 3" = 1'-0" 2003_B503



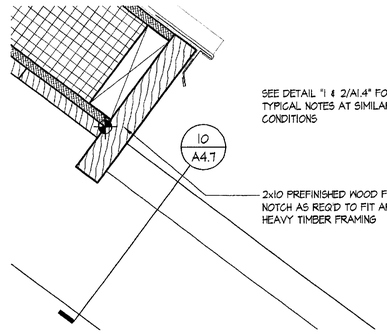
5 FASCIA DTL. @ 9:12 S.I.P. ROOF

SCALE: 3" = 1'-0" 2003_B503



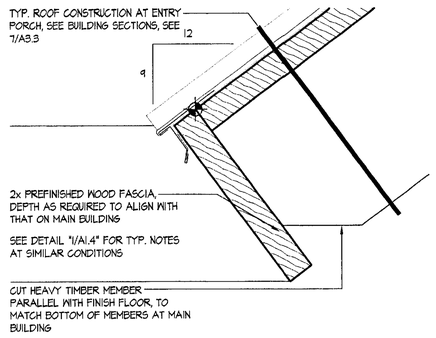
6 FASCIA DTL. @ 9:12 HIP DORMER

SCALE: 3" = 1'-0" 2003_B505



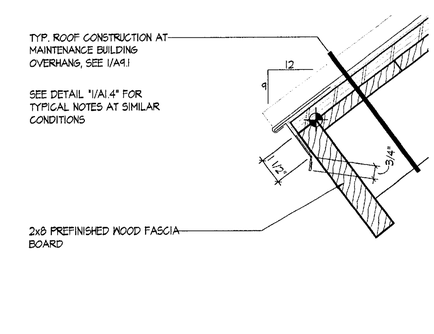
7 FASCIA DTL. @ EXTENDED RAFTERS

SCALE: 3" = 1'-0" 2003_B502



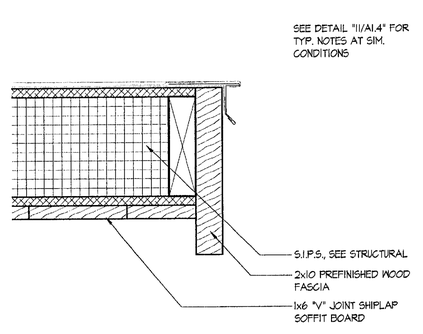
8 FASCIA DTL. @ ENTRY PORCH

SCALE: 3" = 1'-0" 2003_B608



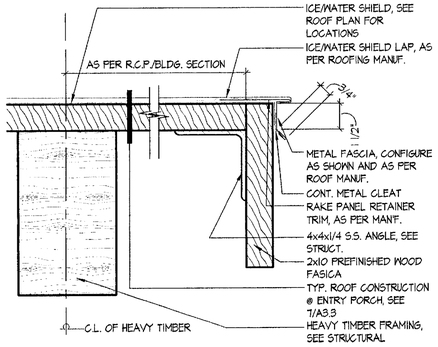
9 FASCIA DETAIL @ MAINT. BLDG.

SCALE: 3" = 1'-0" 2003_B509



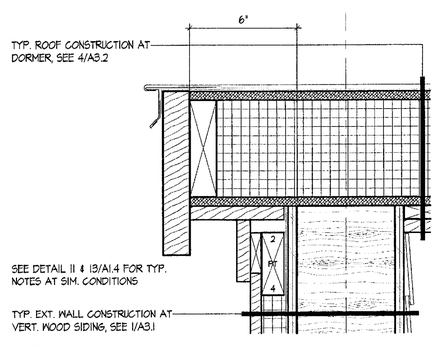
10 RAKE DETAIL @ SOUTH PORCH

SCALE: 3" = 1'-0" 2003_M502



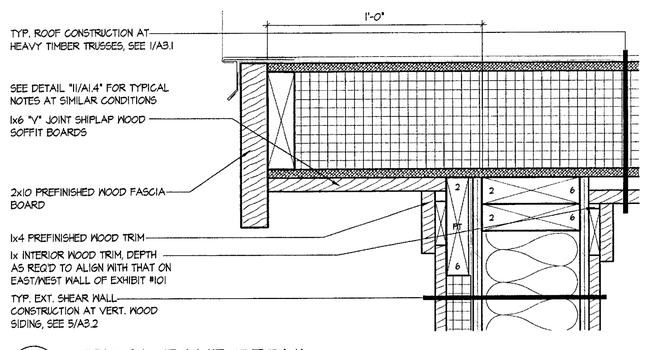
11 RAKE DETAIL @ PORCH ROOF

SCALE: 3" = 1'-0" 2003_DTL-ROOF01



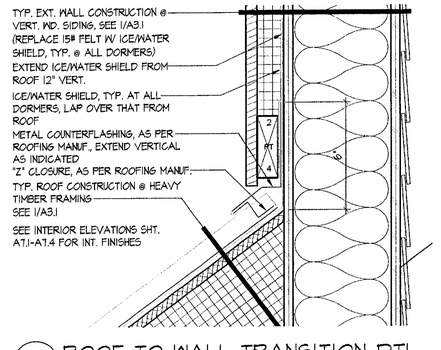
12 RAKE DETAIL @ SHED DORMERS

SCALE: 3" = 1'-0" 2003_B506



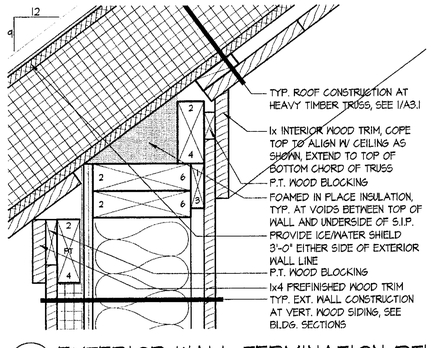
13 TYPICAL RAKE DETAIL

SCALE: 3" = 1'-0" 2003_B506



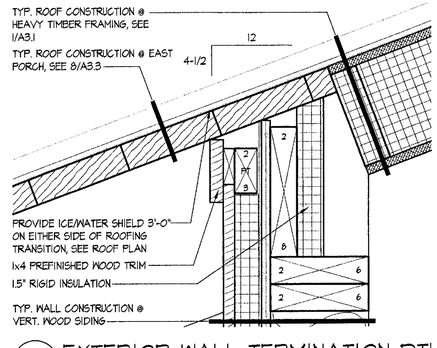
19 ROOF TO WALL TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B505



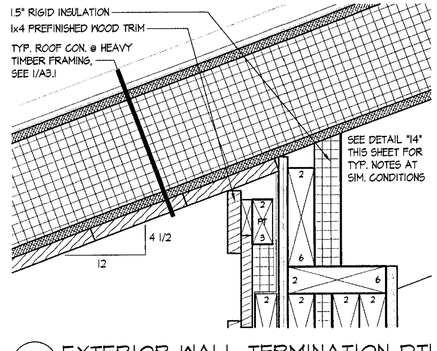
14 EXTERIOR WALL TERMINATION DTL.

SCALE: 3" = 1'-0" 2003_B501



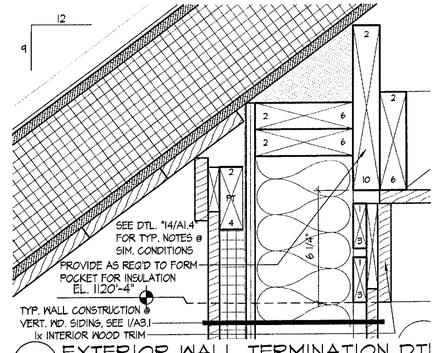
15 EXTERIOR WALL TERMINATION DTL.

SCALE: 3" = 1'-0" 2003_B503



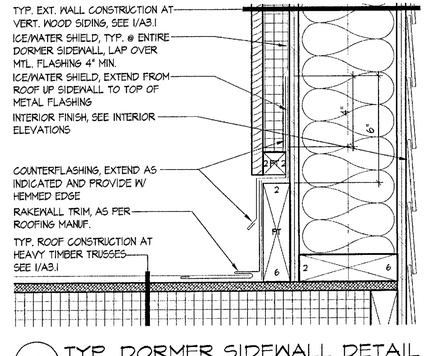
16 EXTERIOR WALL TERMINATION DTL.

SCALE: 3" = 1'-0" 2003_B502



17 EXTERIOR WALL TERMINATION DTL.

SCALE: 3" = 1'-0" 2003_B513



18 TYP. DORMER SIDEWALL DETAIL

SCALE: 3" = 1'-0" 2003_B506

REGISTERED ARCHITECT
ROBERT H. STOCKWELL
NO. 1376
STATE OF VERMONT

NORTHERN ARCHITECTS
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05401-4502

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PLUMBING, MECHANICAL, AND ELECTRICAL
DUFRESNE AND HENRY
Precision Park
North Springfield VT 05150-0029
(802)-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #M 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

ROOF DETAILS

A1.4

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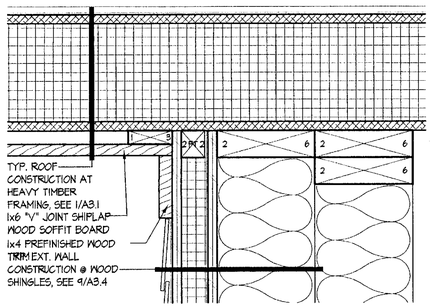
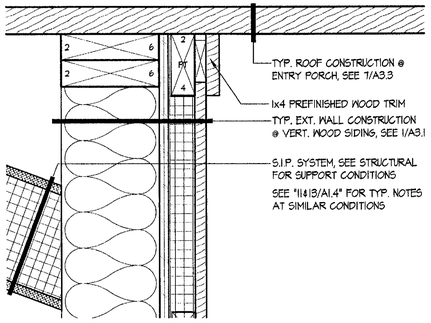


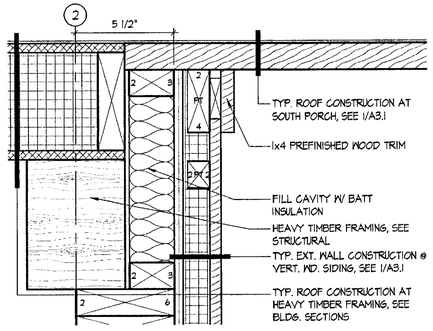
1 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B607



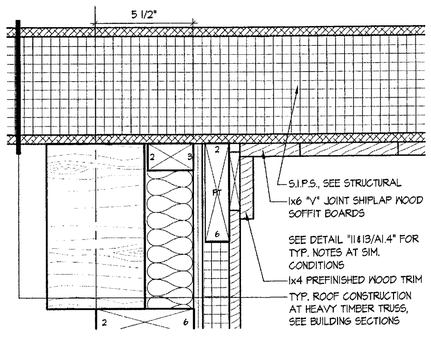
2 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B605



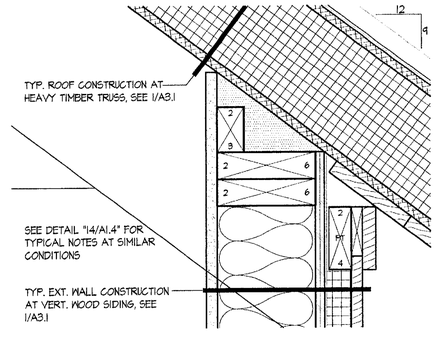
3 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_W608



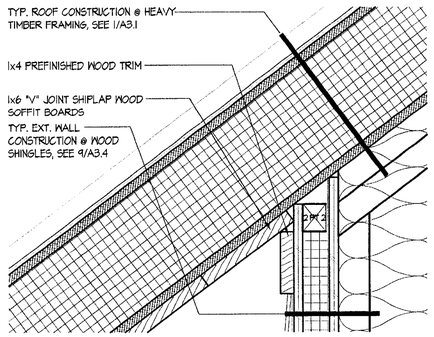
4 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_W602



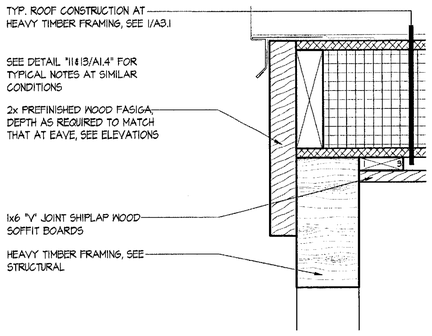
5 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B514



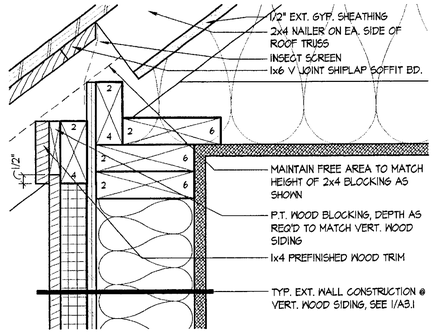
6 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_W605



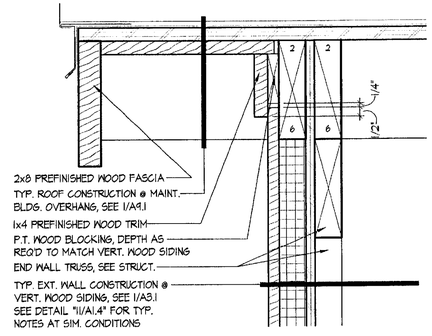
7 RAKE DETAIL @ OFFICE DORMER

SCALE: 3" = 1'-0" 2003_B607



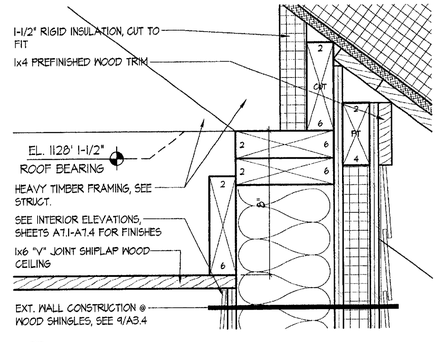
8 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B609



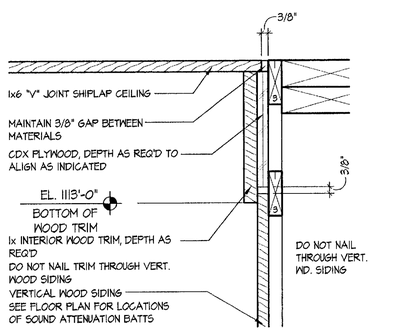
9 RAKE DTL. @ MAINT. BLDG.

SCALE: 3" = 1'-0" 2003_B609A



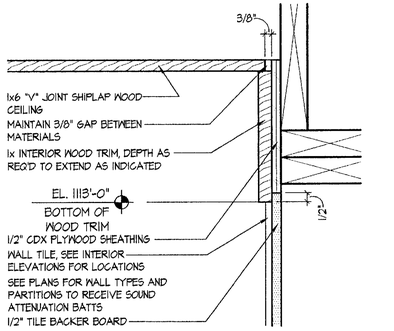
10 WALL TO ROOF TRANSITION DTL.

SCALE: 3" = 1'-0" 2003_B506



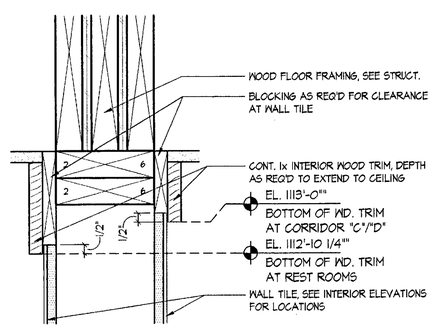
11 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



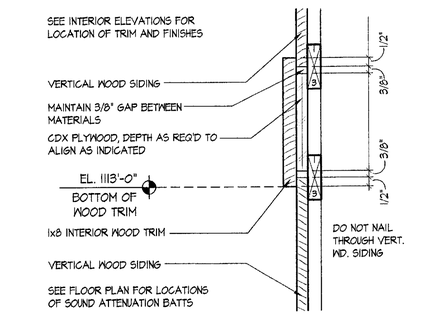
12 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



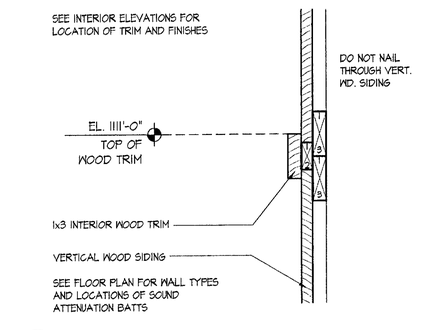
13 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



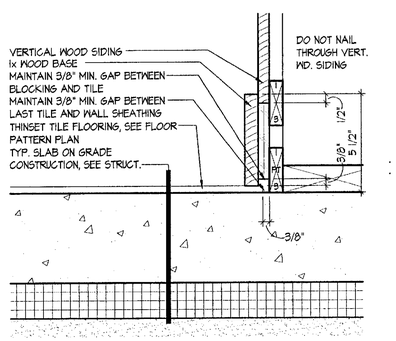
14 INTERIOR TRIM DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



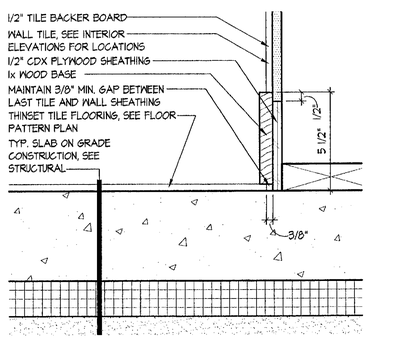
15 INTERIOR TRIM DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



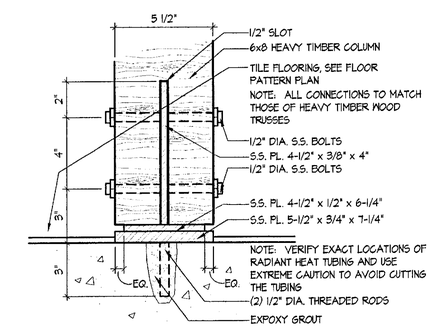
16 INTERIOR BASE DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



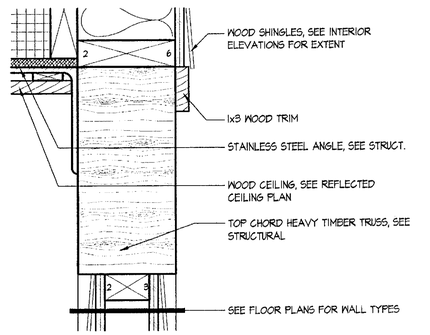
17 INTERIOR BASE DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



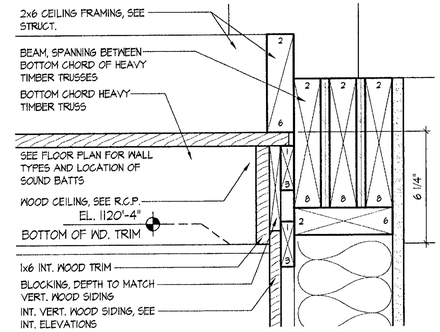
18 H.T. COLUMN BASE DTL. @ TILE

SCALE: 3" = 1'-0" 2003_DTL-INT01



19 INTERIOR TRIM DETAIL

SCALE: 3" = 1'-0" 2003_B506



20 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0" 2003_B513

REGISTERED ARCHITECT ROBERT H. STRAUSS No. 1276 STATE OF VERMONT

NORTHERN ARCHITECTS
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

ROOF AND INTERIOR DETAILS

A1.5

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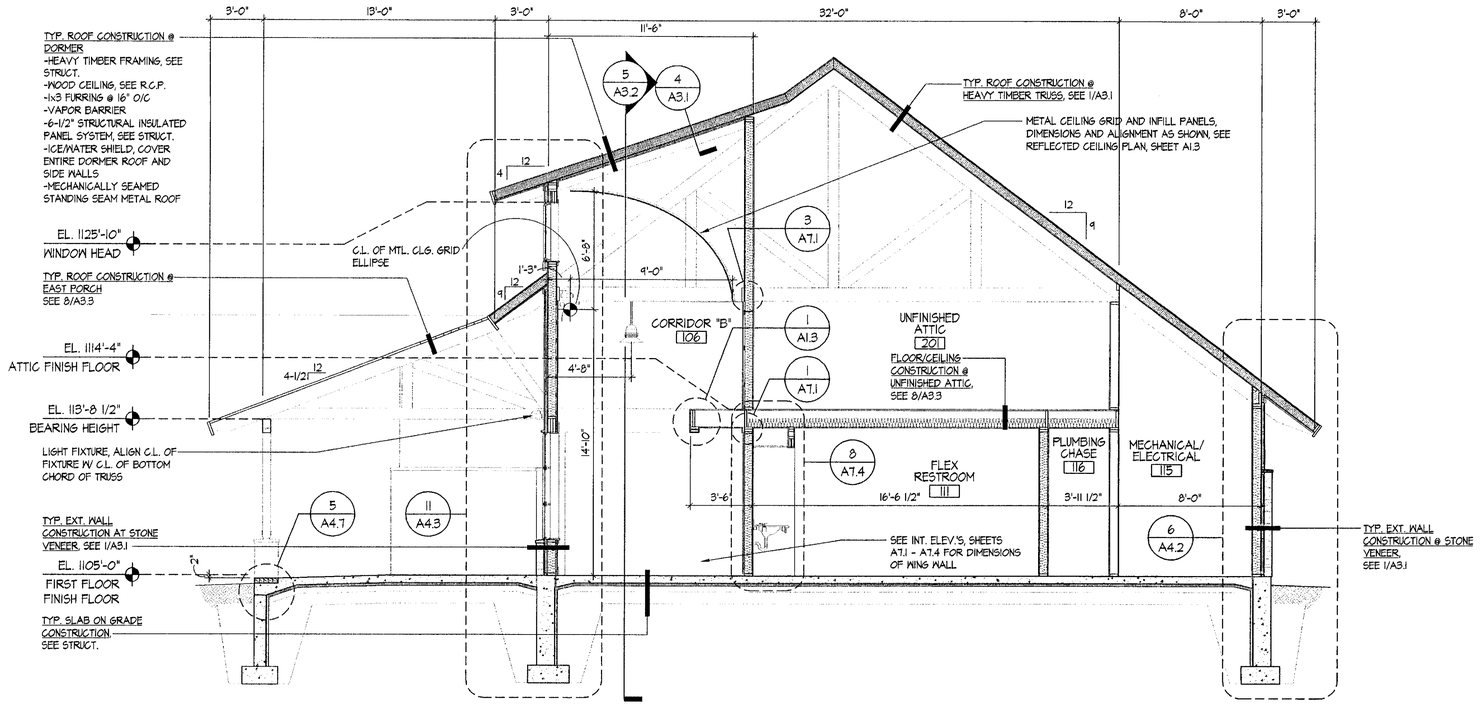
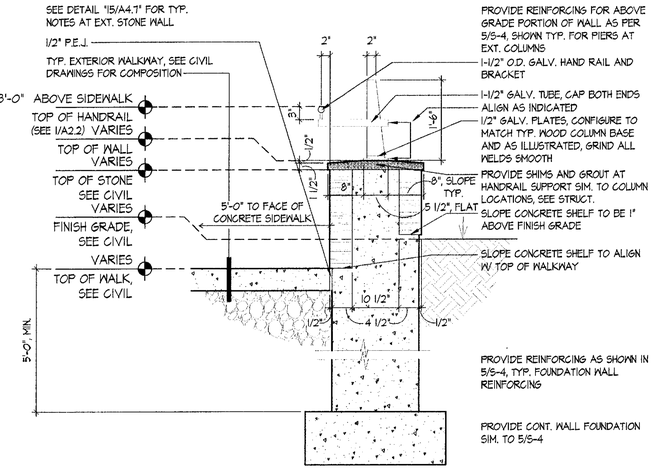


4 BUILDING SECTION AT SHED DORMER

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

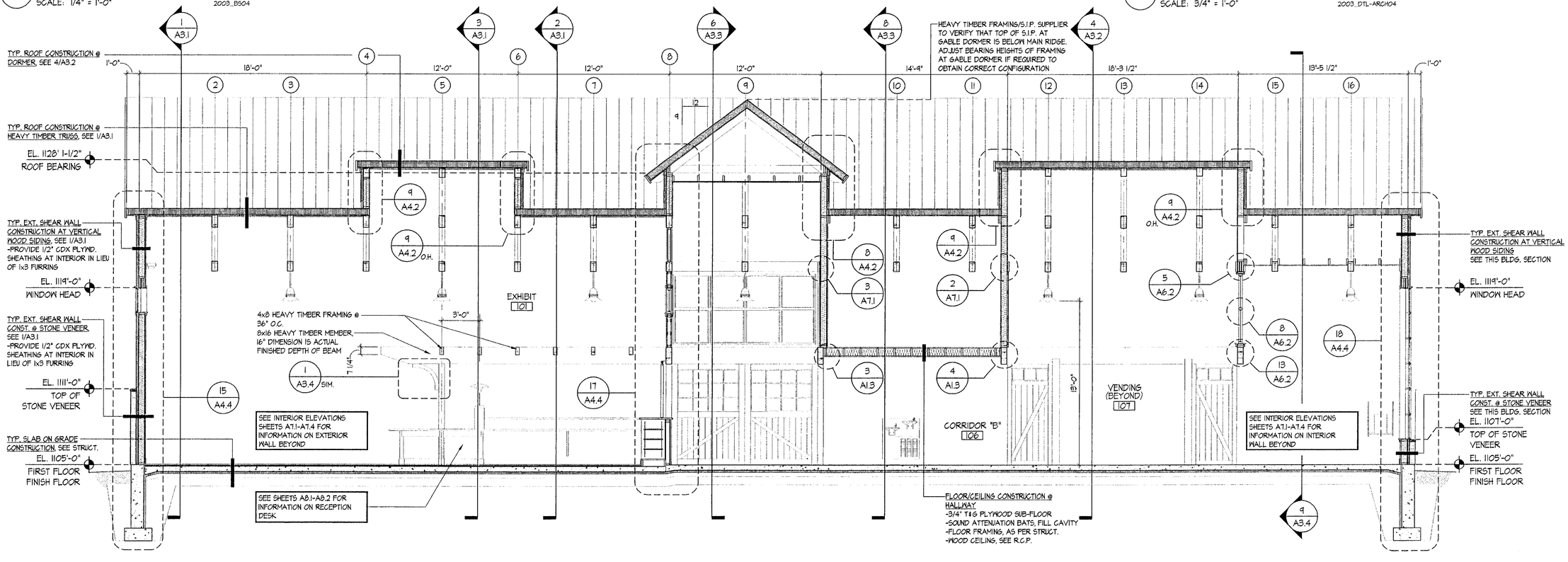
2003_BS04



1 STONE WALL SECTION @ RAMP

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

2003_DTL-ARCH04



5 BUILDING SECTION AT CORRIDOR "B"

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

2003_BS06

NORTHERN ARCHITECTS
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/01/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

BUILDING SECTIONS

A3.2

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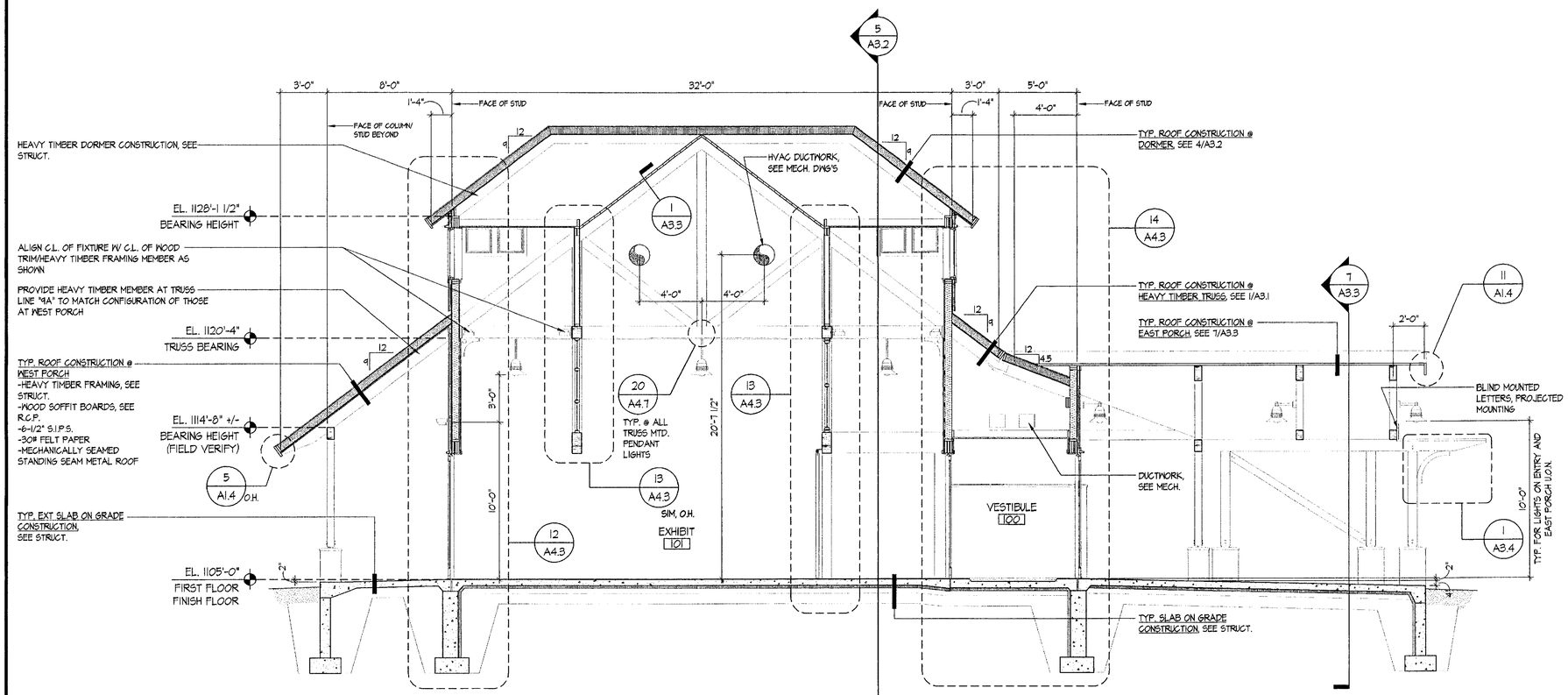
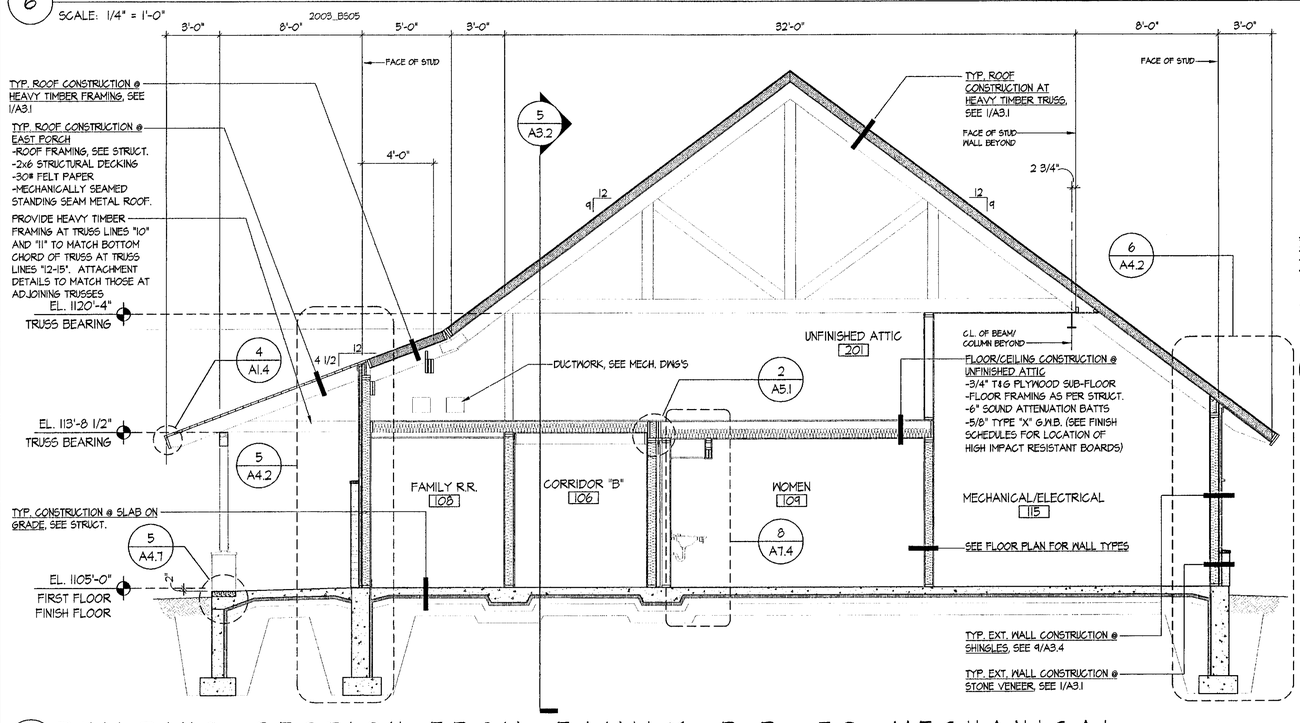


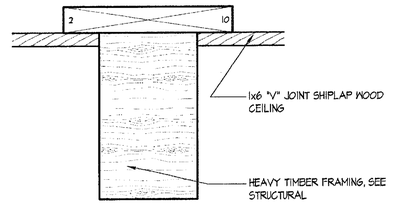
6 BUILDING SECTION AT GABLE DORMER

SCALE: 1/4" = 1'-0" 2003_BS05



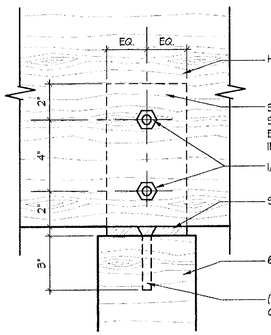
8 BUILDING SECTION FROM FAMILY R.R. TO MECHANICAL

SCALE: 1/4" = 1'-0" 2003_BS03



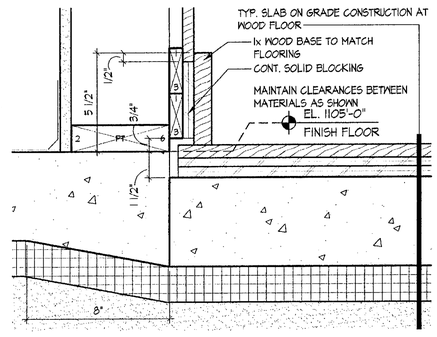
1 CEILING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-INT01



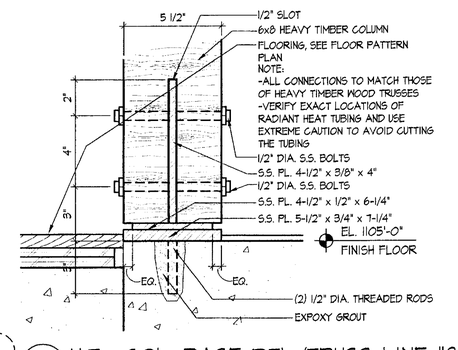
2 TYP. COLUMN/BEAM CONNECTION

SCALE: 3" = 1'-0" 2003_DTL-INT01



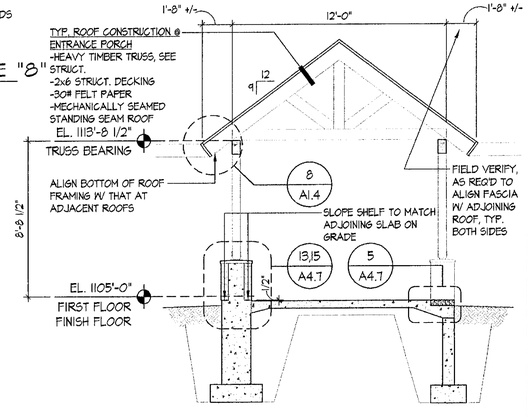
3 RECESSED SLAB @ INTERIOR WALL

SCALE: 3" = 1'-0" 2003_BS02



9 H.T. COL. BASE DTL./TRUSS LINE "8"

SCALE: 3" = 1'-0" 2003_DTL-INT01



7 ENTRANCE CANOPY SECTION

SCALE: 1/4" = 1'-0" 2003_BS08

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PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
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BUILDING SECTIONS

A3.3

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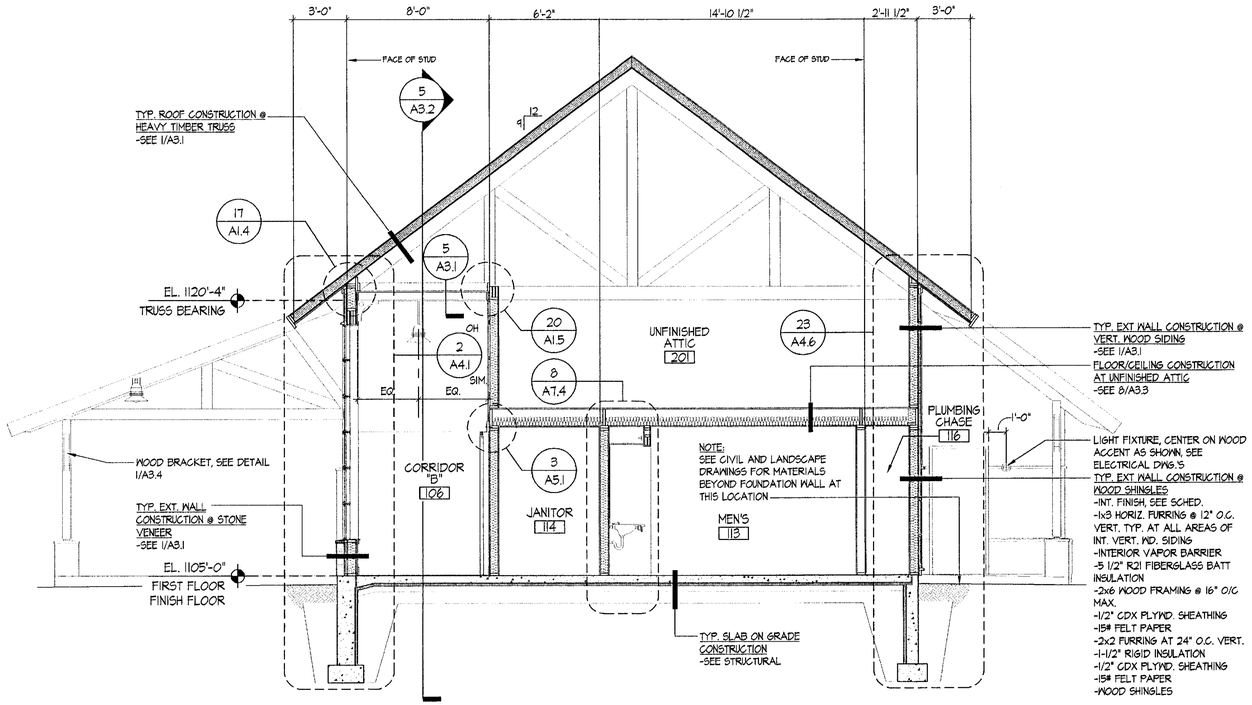
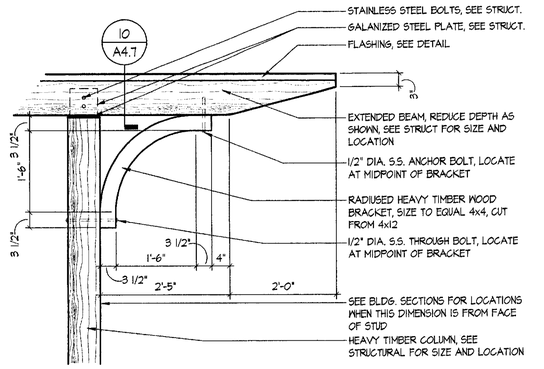


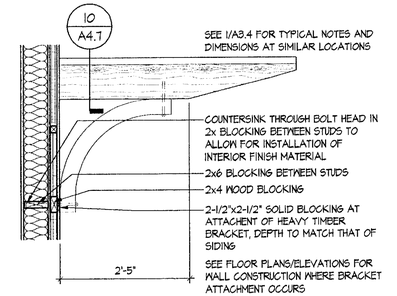
9 BUILDING SECTION FROM CORRIDOR "B" TO PLUMBING CHASE

SCALE: 1/4" = 1'-0" 2003_BSI3



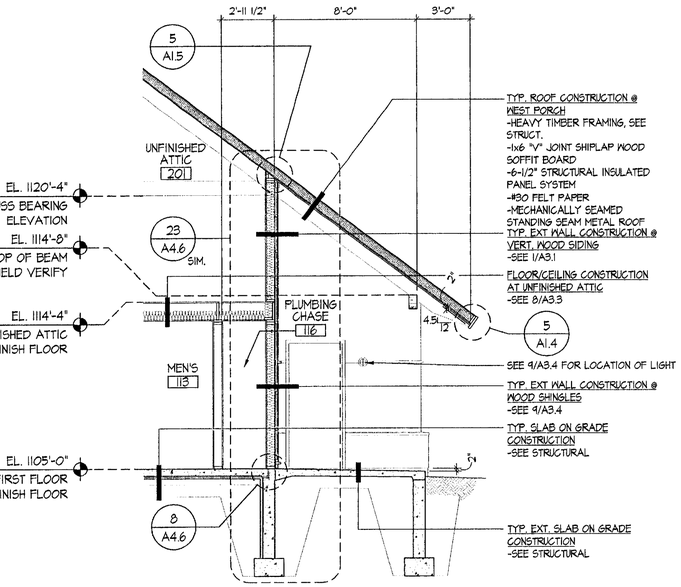
1 DETAIL AT EXTENDED BEAM AND BRACKET

SCALE: 3/4" = 1'-0" 2003_BSO5



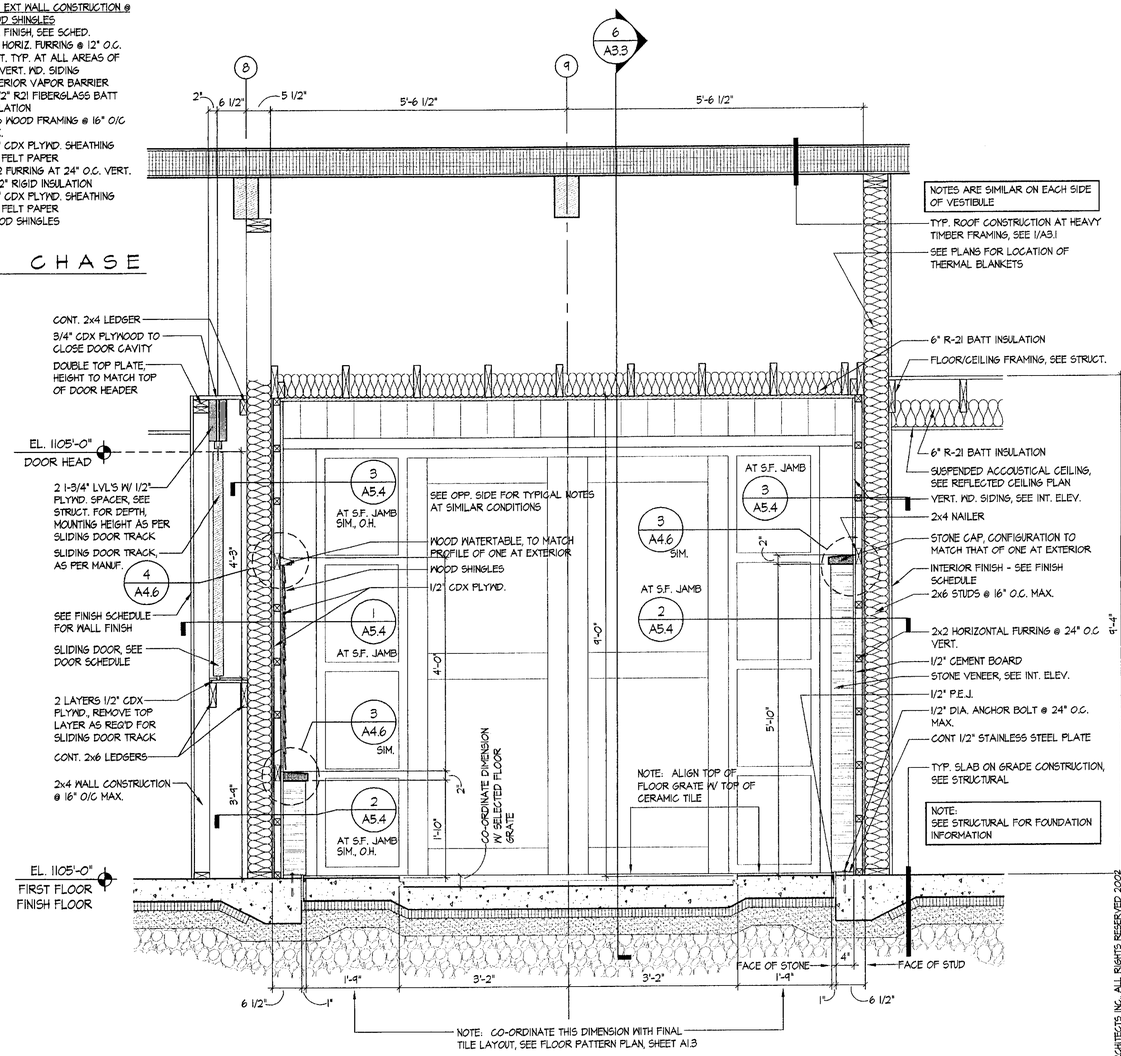
2 BRACKET DTL. @ EXT. WALL

SCALE: 3/4" = 1'-0" 2003_DTL-ARCH04



10 PARTIAL BUILDING SECTION

SCALE: 1/4" = 1'-0" 2003_BSI4



11 PARTIAL BUILDING SECTION

SCALE: 3/4" = 1'-0" 2003_BSI5

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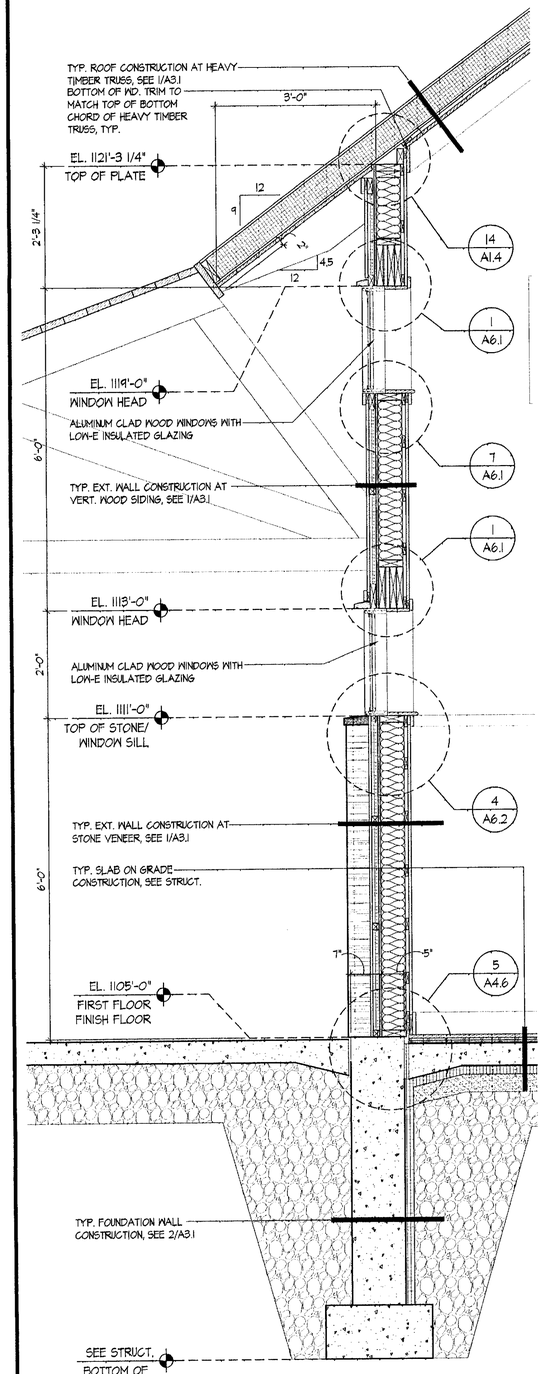
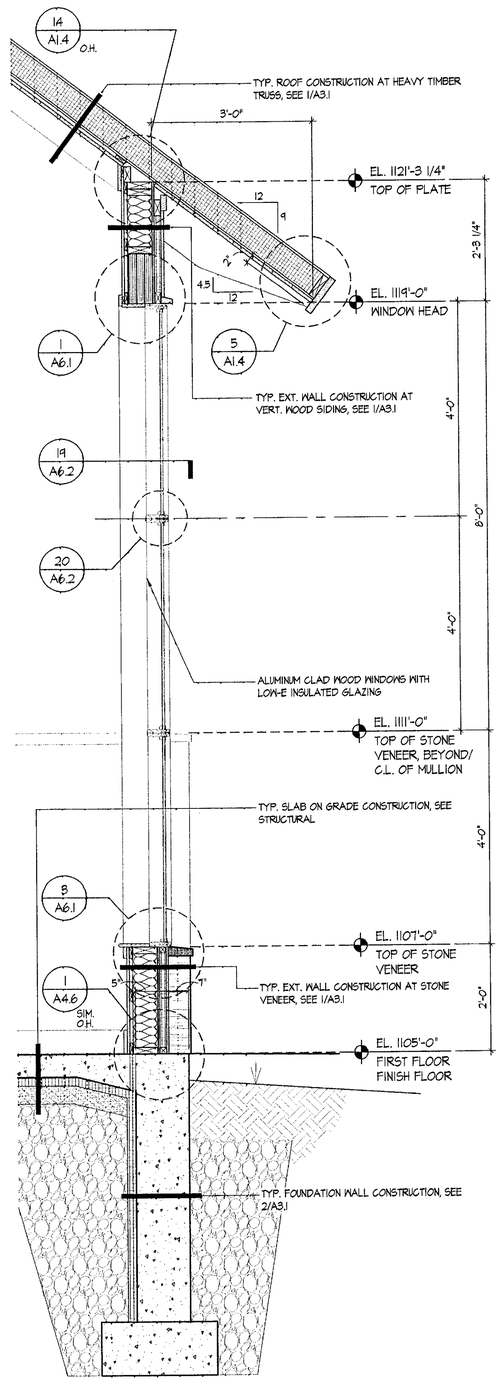


1 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_BS01



2 EXTERIOR WALL SECTION

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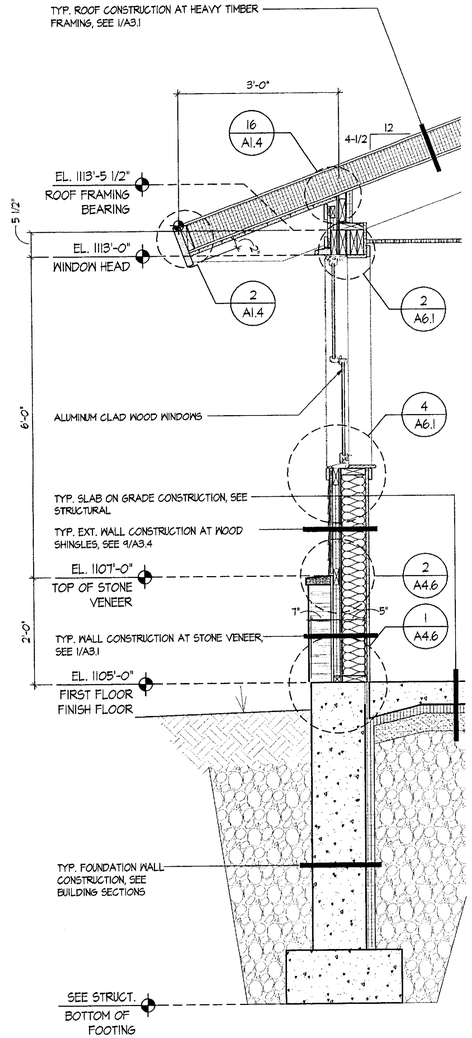
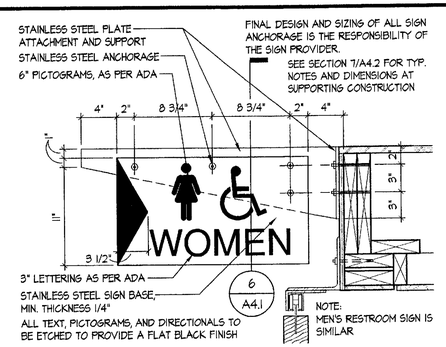


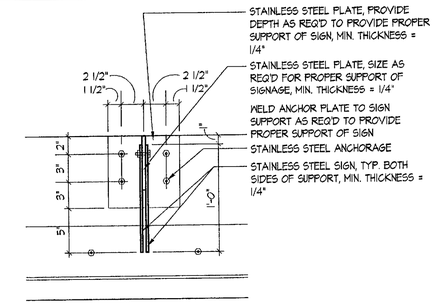
3 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_BS02



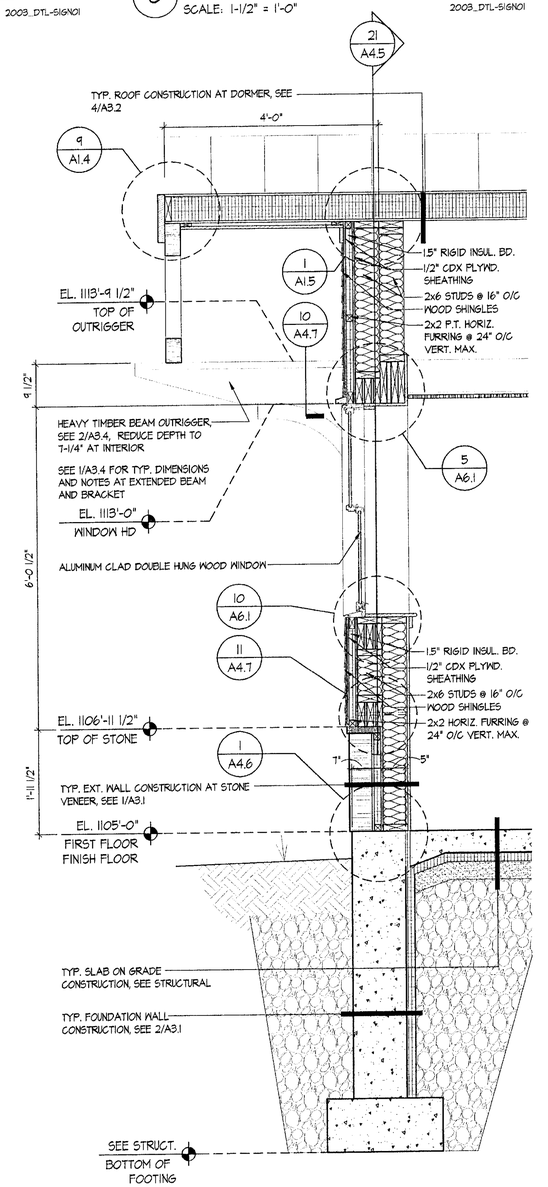
5 DETAIL @ RESTROOM SIGNS

SCALE: 1-1/2" = 1'-0" 2003_DTL-SIGN01



6 DETAIL @ RESTROOM SIGNS

SCALE: 1-1/2" = 1'-0" 2003_DTL-SIGN01



4 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_BS01

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WALL SECTIONS

A4.1

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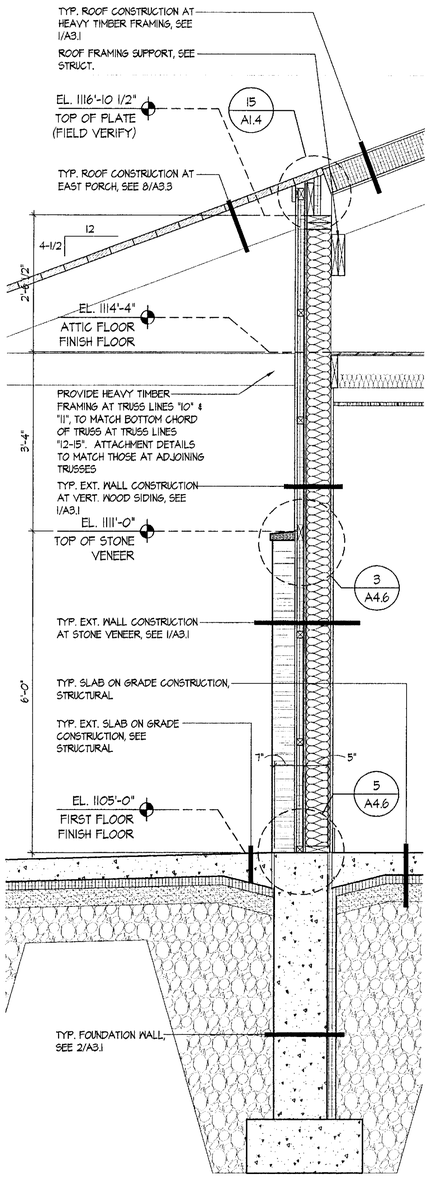
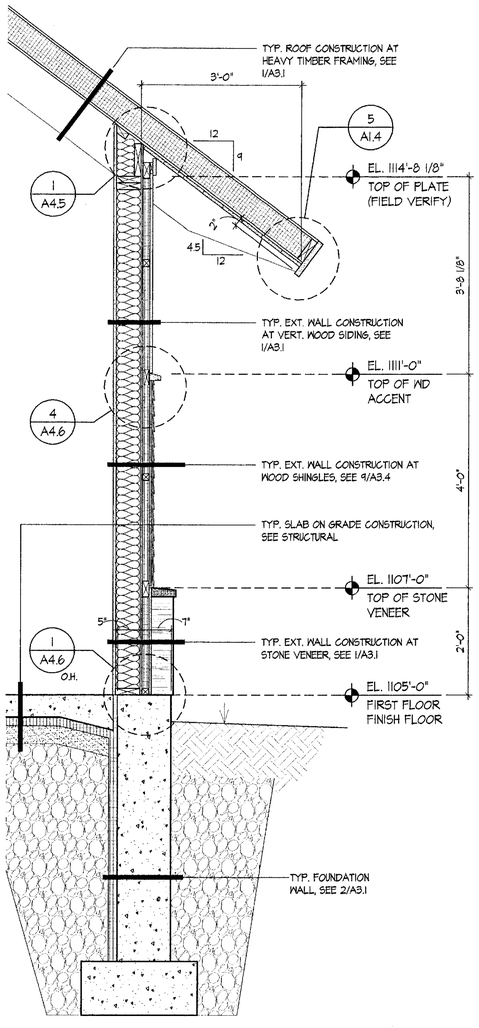


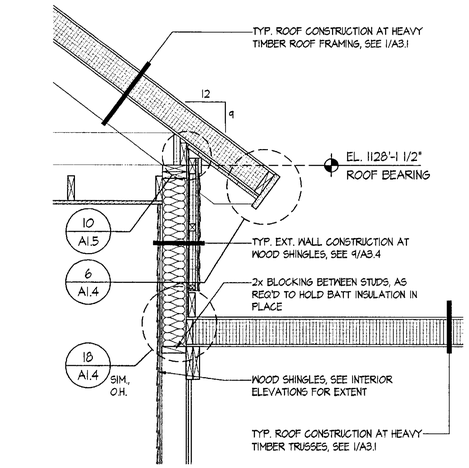
5 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B503



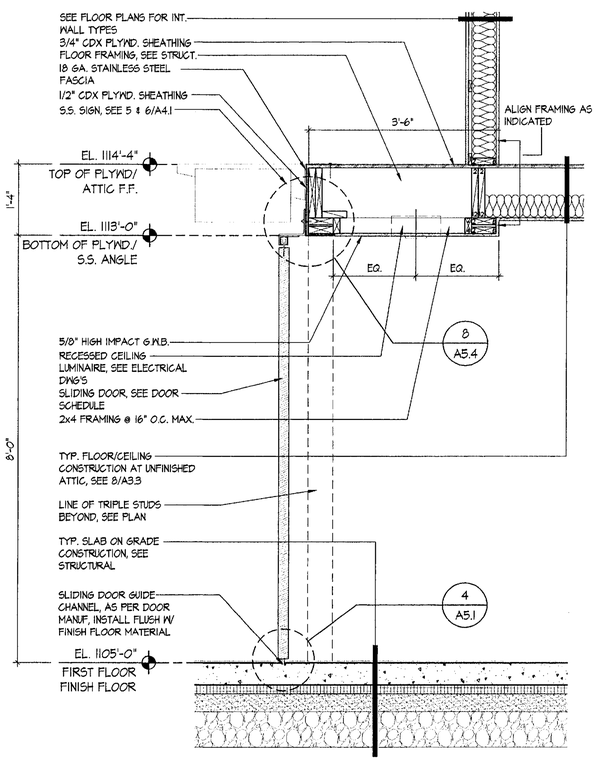
6 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B503



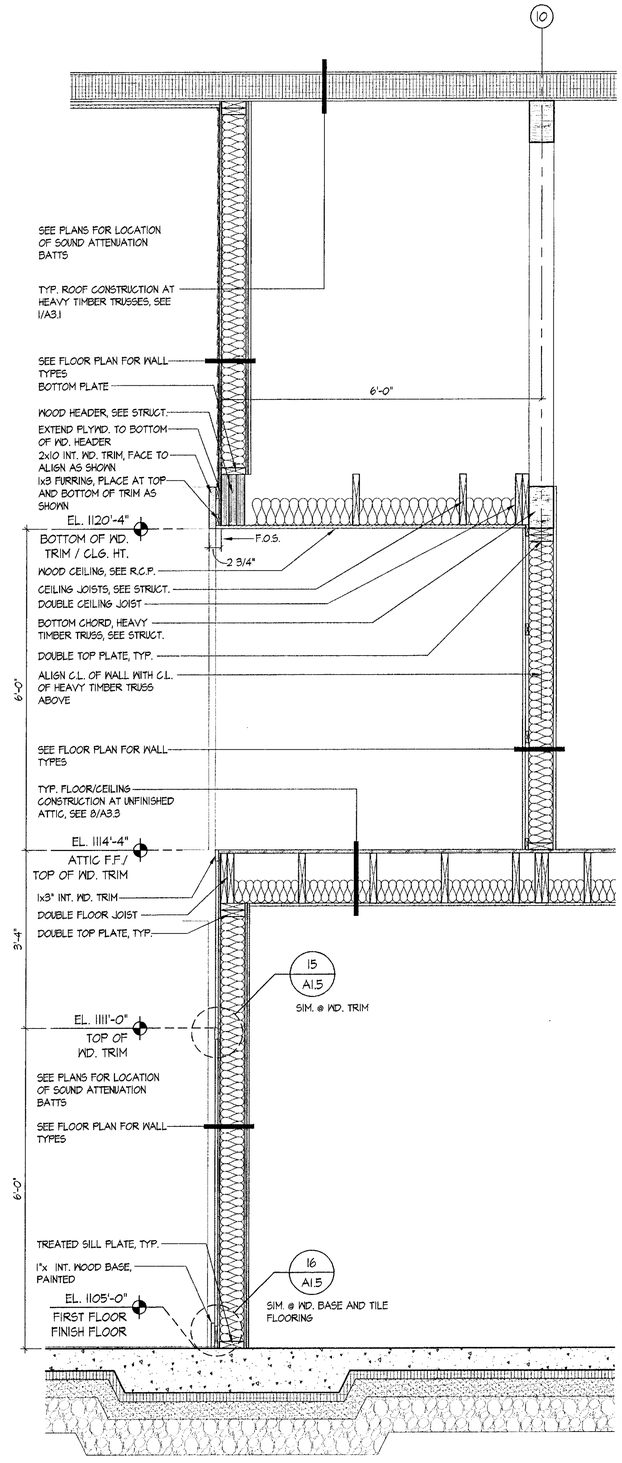
8 PARTIAL EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B506



7 INTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_W604



10 INTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_W606

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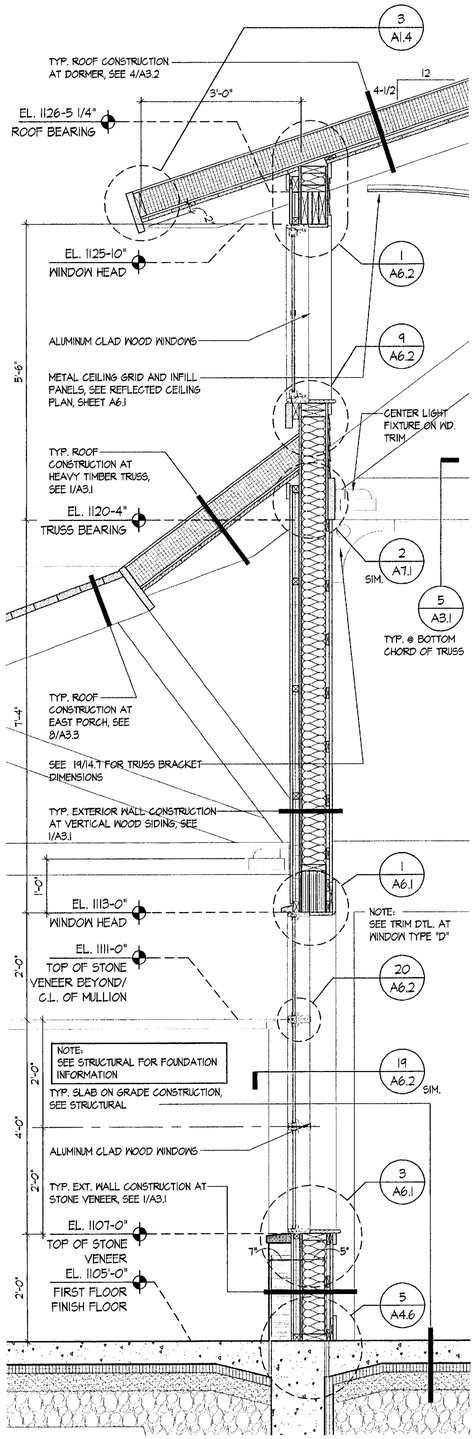
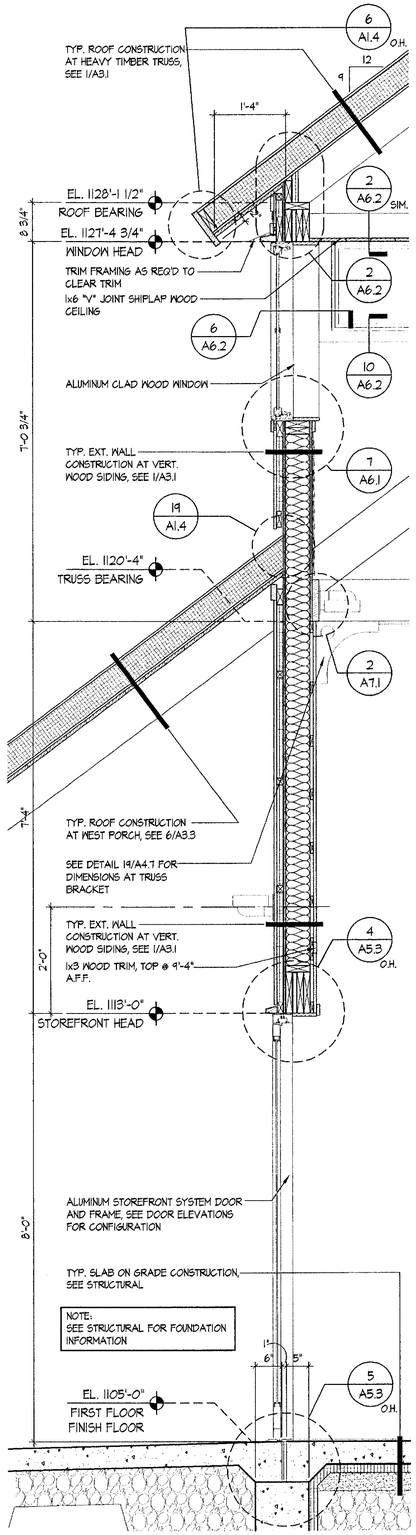
WALL SECTIONS

A4.2



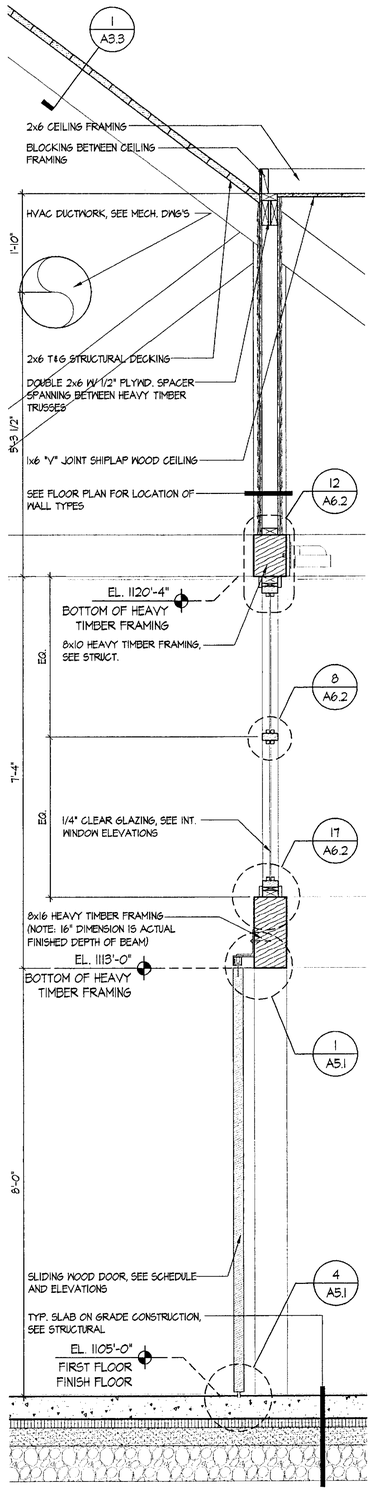
11 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B504



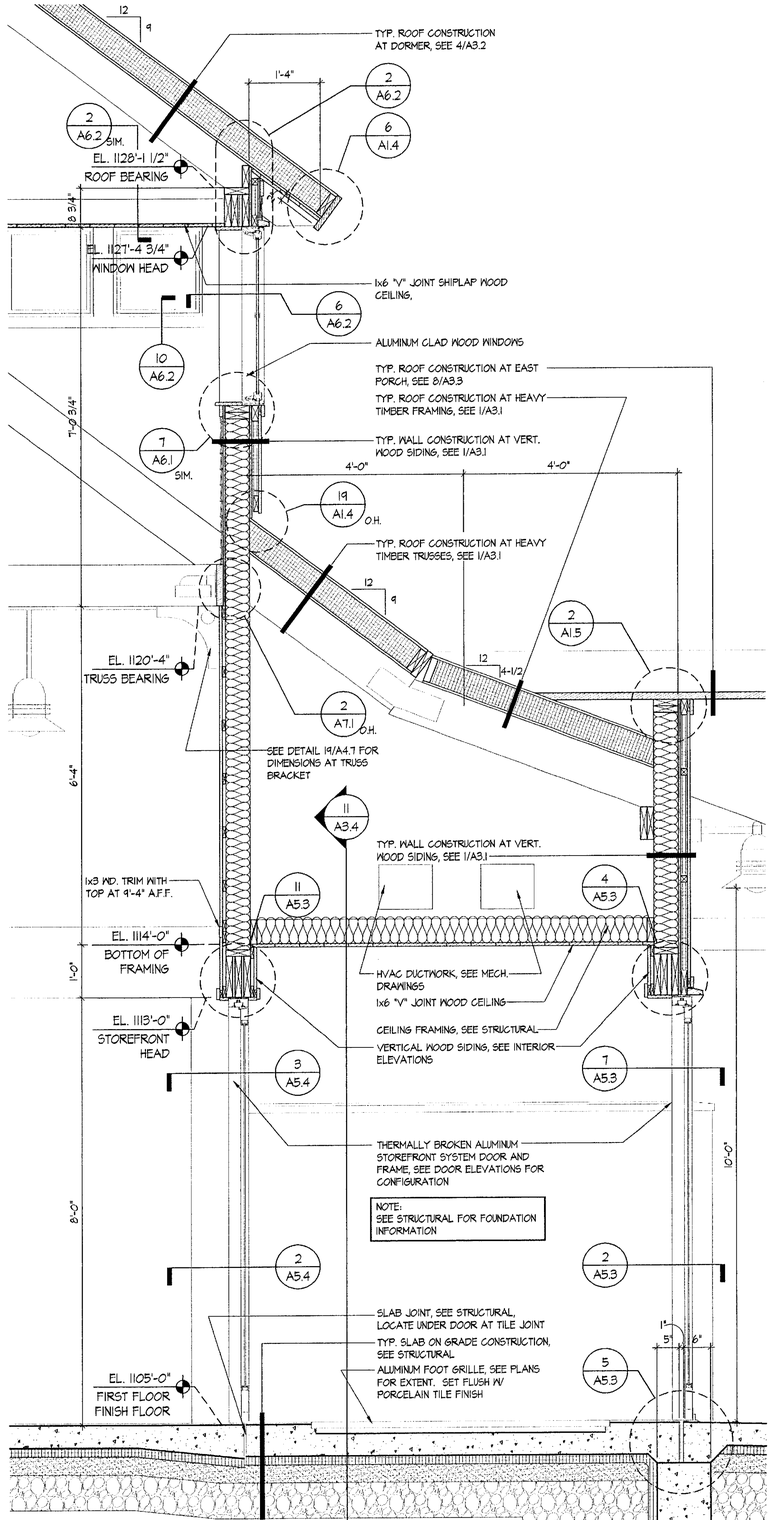
12 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B505



13 INTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B505



14 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_B505

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WALL SECTION

A4.3

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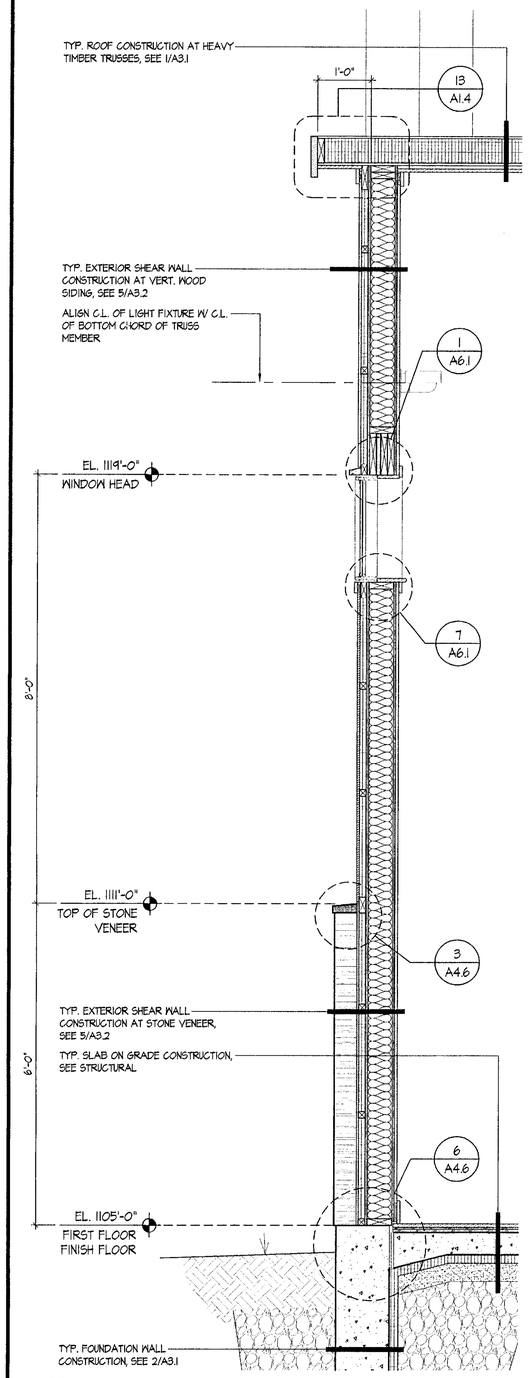
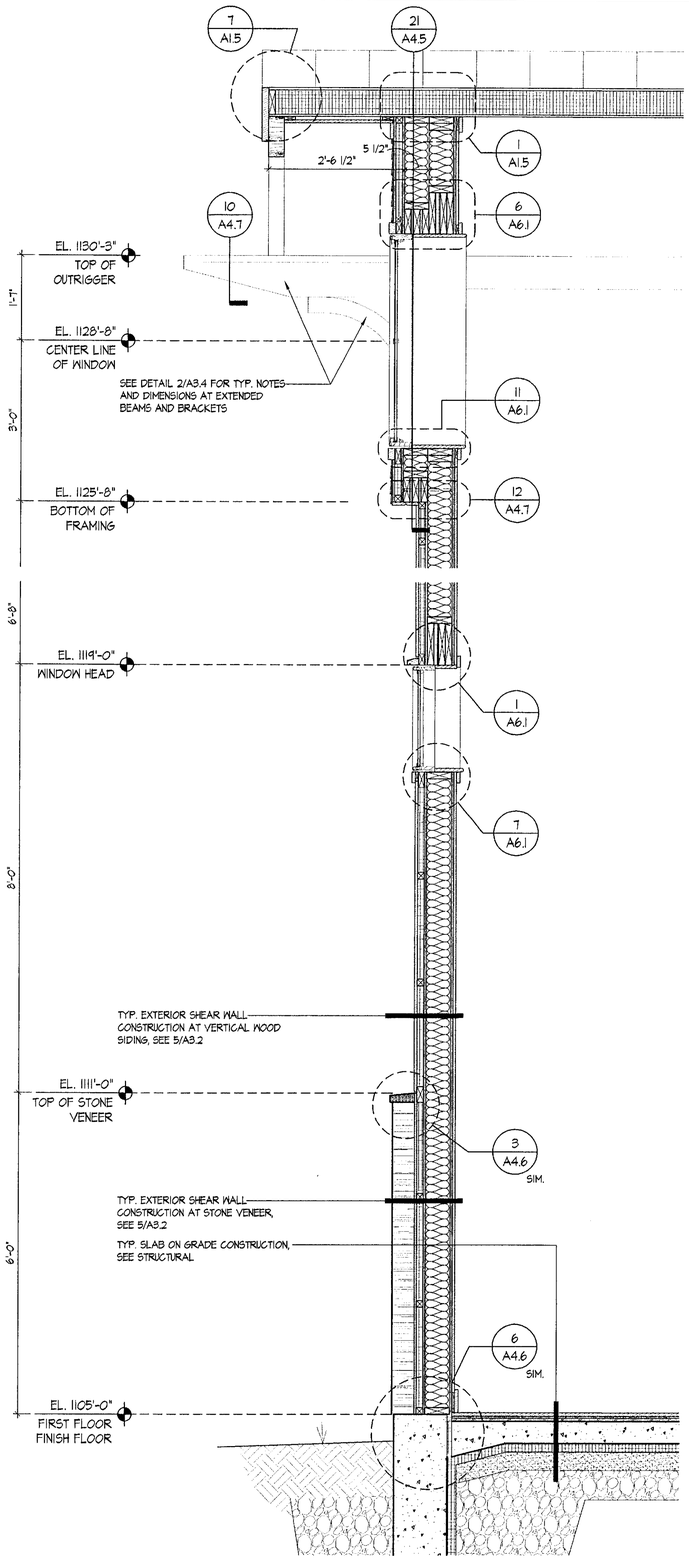


15 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0" 2003_BS06



16 EXTERIOR WALL SECTION
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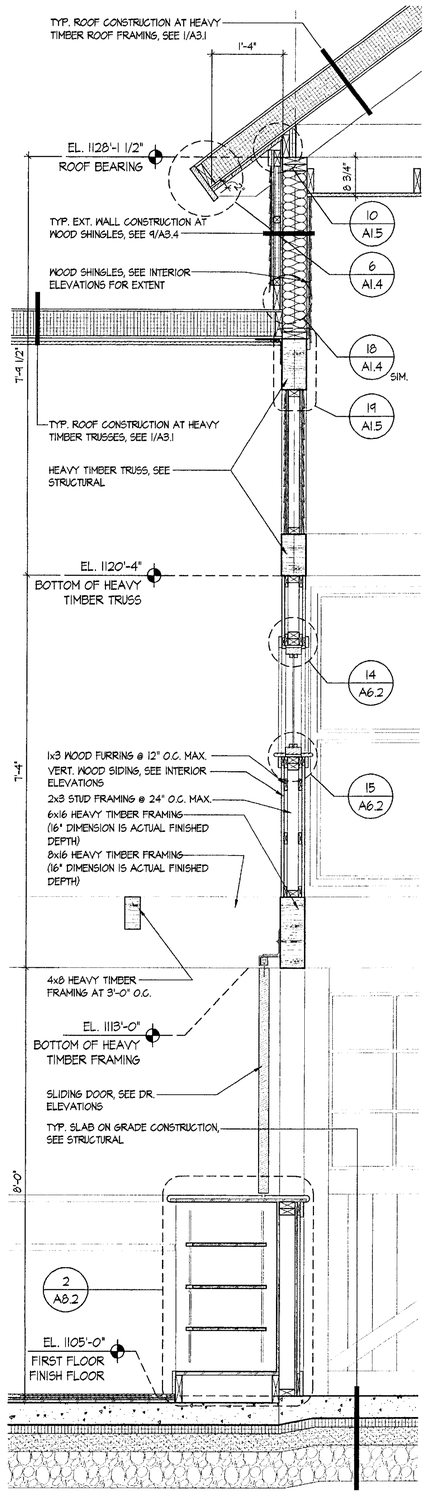
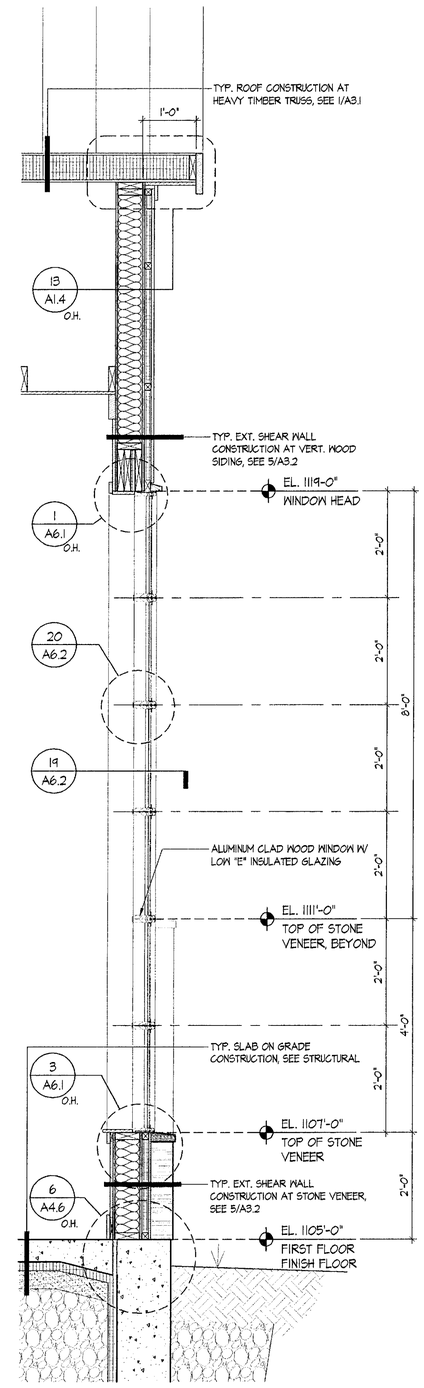


17 INTERIOR WALL SECTION
SCALE: 3/4" = 1'-0" 2003_BS06



18 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0" 2003_BS06

REGISTERED ARCHITECT
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WALL SECTIONS

A4.4

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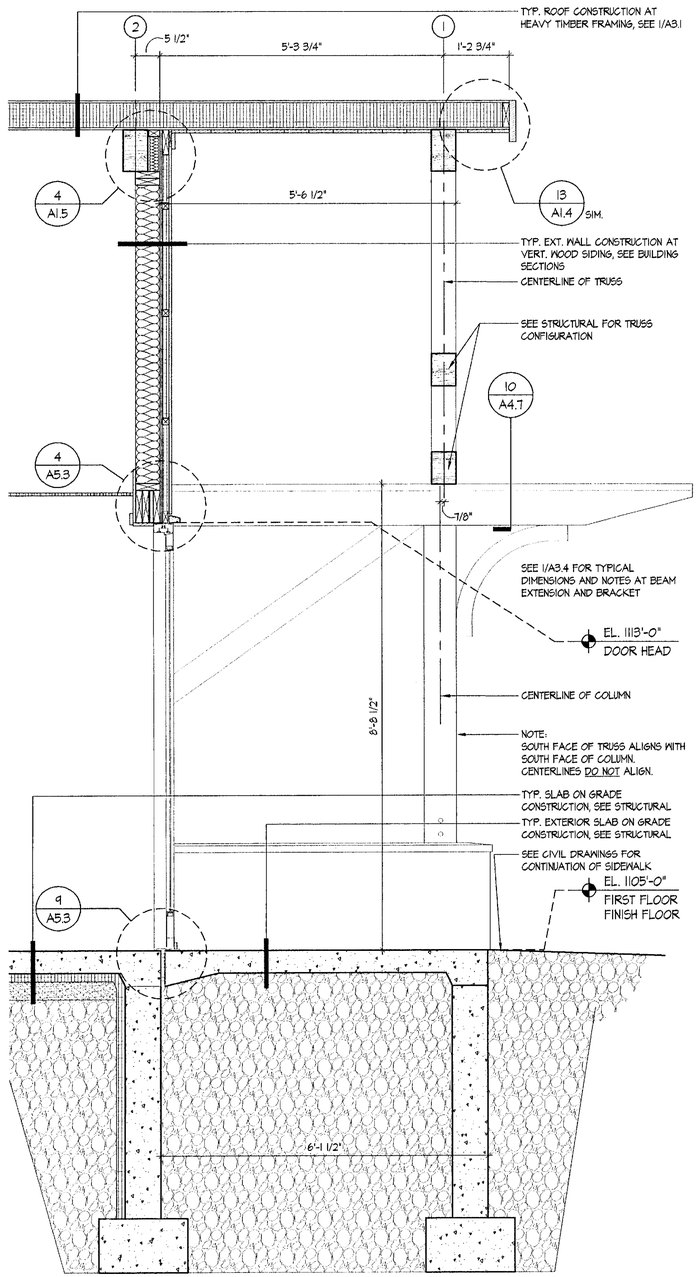

19 EXTERIOR WALL SECTION

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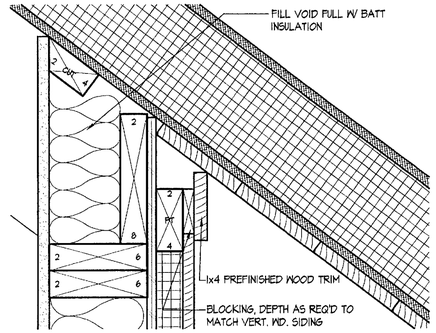
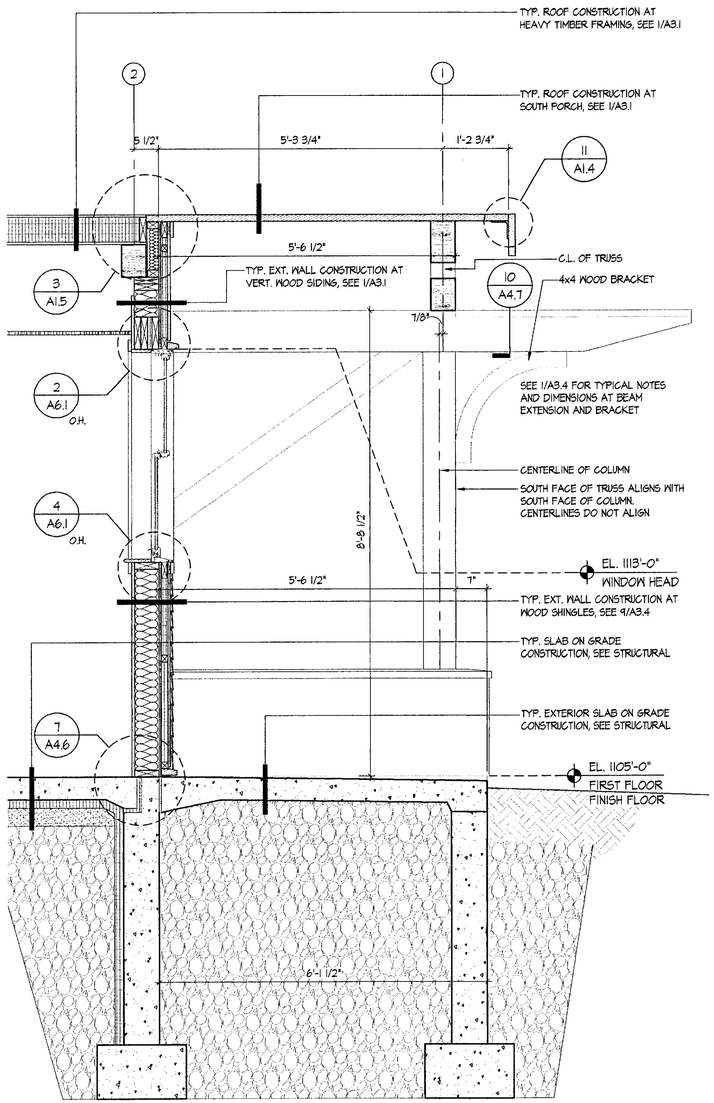


1 ROOF TO WALL TRANSITION DETAIL

SCALE: 3" = 1'-0" 2003_BS03



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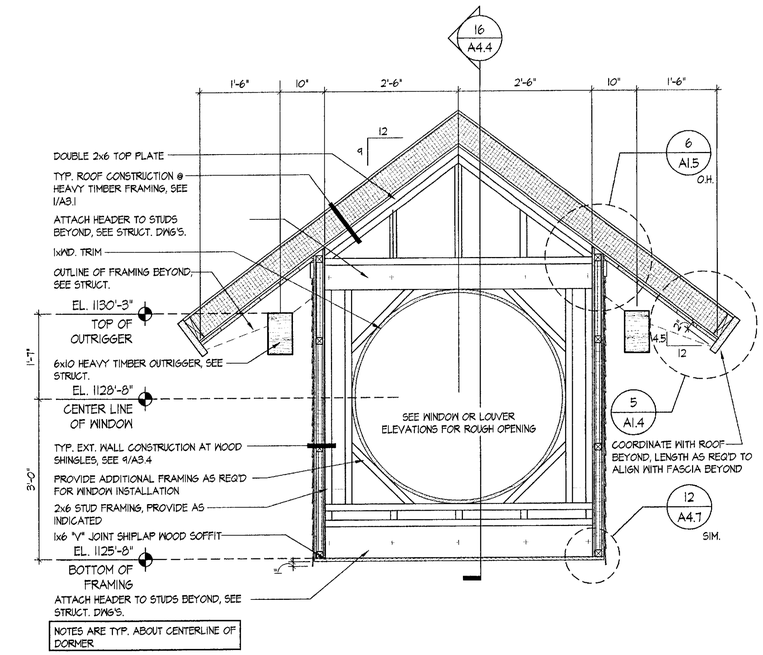
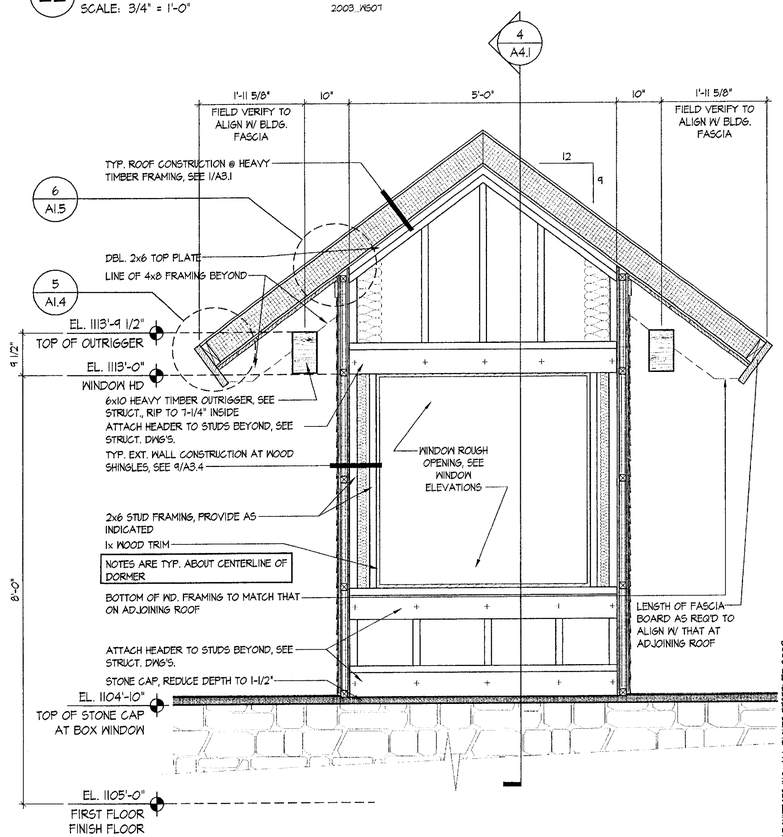


22 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_WS01



21 EXTERIOR WALL SECTION

SCALE: 3/4" = 1'-0" 2003_WS05

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North Springfield VT 05150-0024
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

WALL SECTIONS

A4.5

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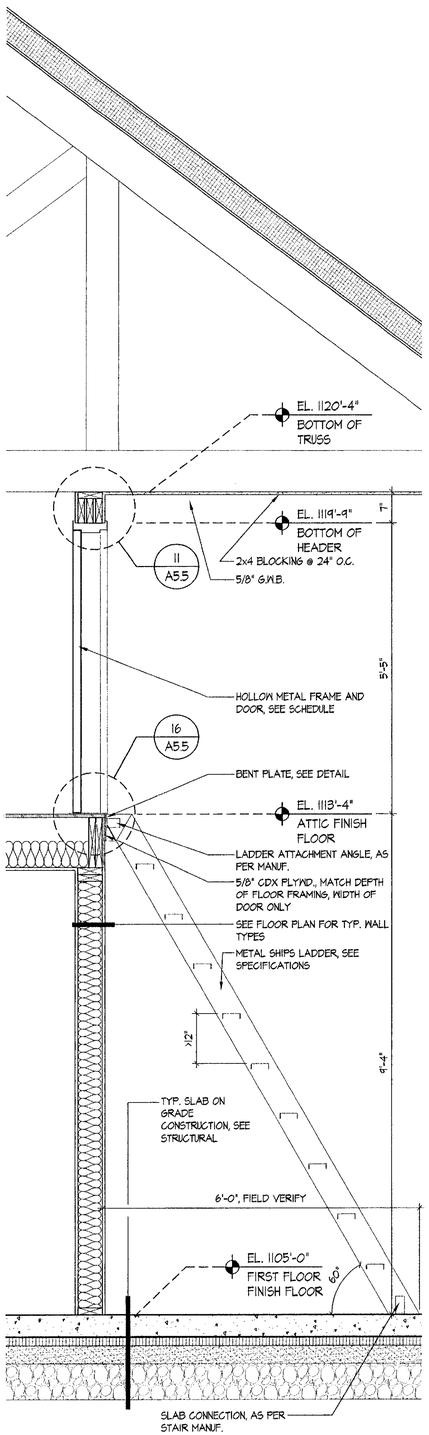
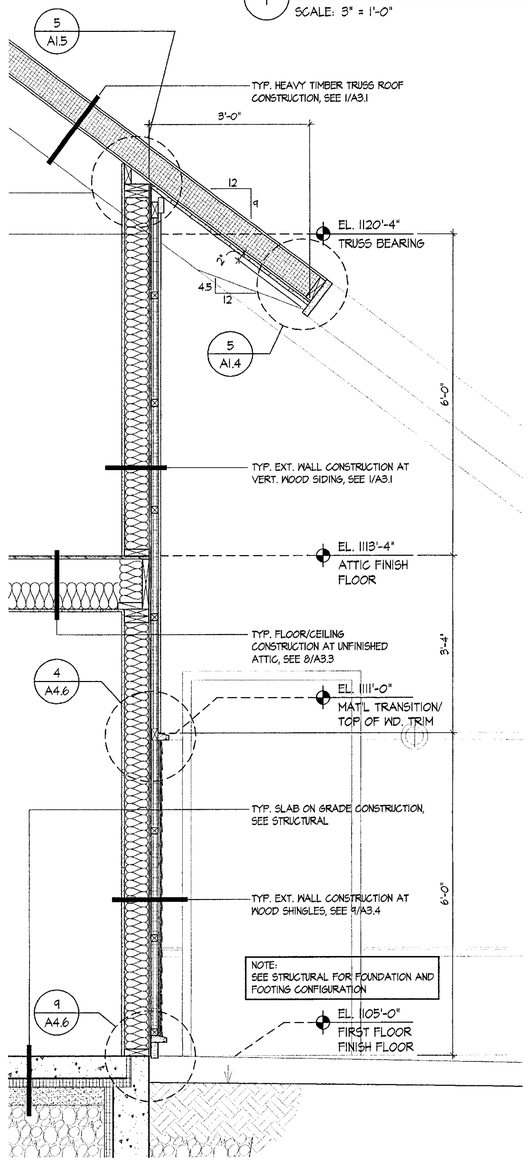
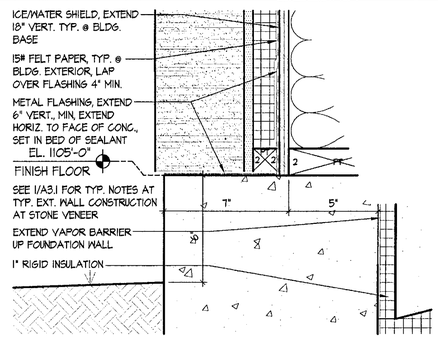


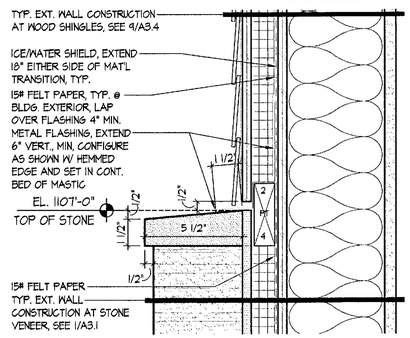
22 INTERIOR WALL SECTION
SCALE: 3/4" = 1'-0" 2003_W508



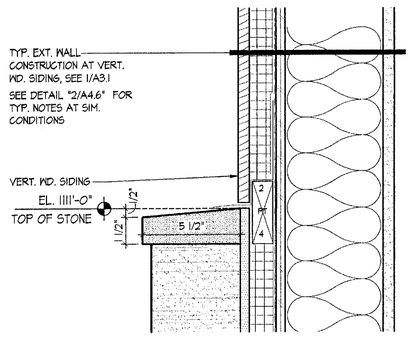
23 EXTERIOR WALL SECTION
SCALE: 3/4" = 1'-0" 2003_B513



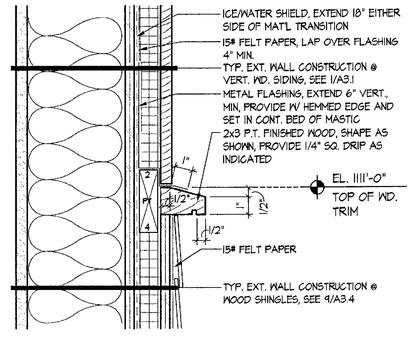
1 FOUNDATION DETAIL
SCALE: 3" = 1'-0" 2003_B502



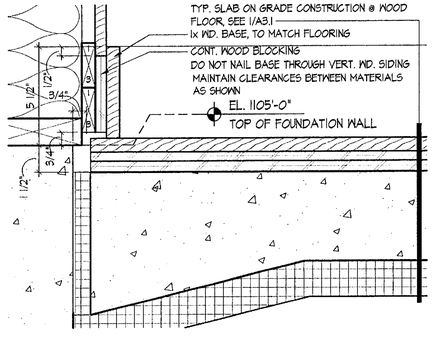
2 STONE/SHINGLES TRANSITION DTL.
SCALE: 3" = 1'-0" 2003_B502



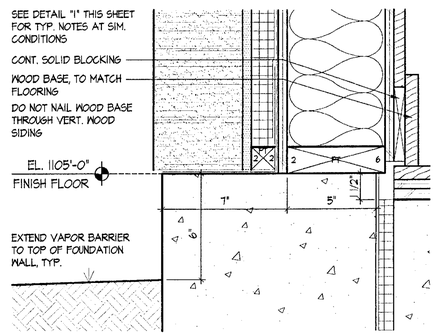
3 STONE/VERT. WD. TRANSITION DTL.
SCALE: 3" = 1'-0" 2003_B503



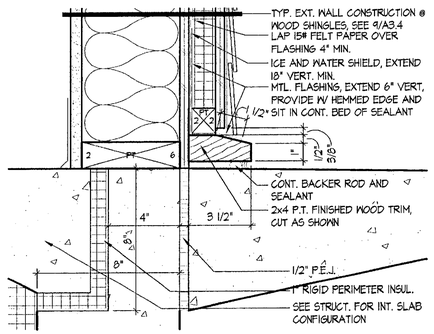
4 WOOD TRIM DTL. @ TRANSITION
SCALE: 3" = 1'-0" 2003_B503



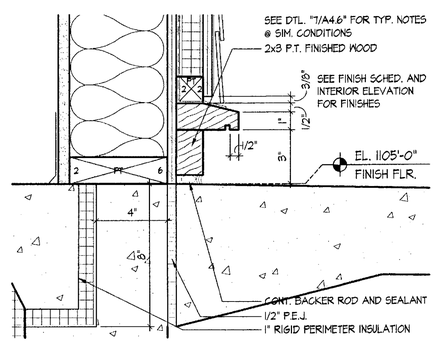
5 RECESSED SLAB DTL. @ PERIMETER
SCALE: 3" = 1'-0" 2003_B501



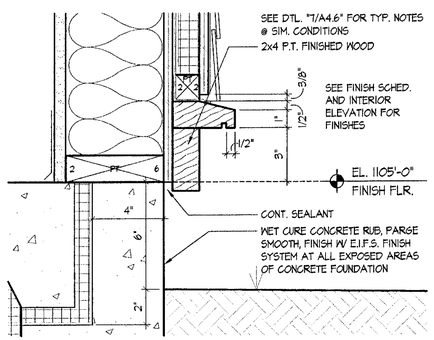
6 RECESSED SLAB @ SHEARWALL
SCALE: 3" = 1'-0" 2003_W501



7 FOUNDATION DTL @ SOUTH PORCH
SCALE: 3" = 1'-0" 2003_W503



8 FOUNDATION DTL. @ NORTH PORCH
SCALE: 3" = 1'-0" 2003_B514



9 FOUNDATION DETAIL
SCALE: 3" = 1'-0" 2003_DTL-ARCH01

REGISTERED ARCHITECT ROBERT M. STACKHOUSE No. 1178 STATE OF VERMONT

NORTHERN ARCHITECTS
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WALL SECTIONS AND GENERAL DETAILS

A4.6

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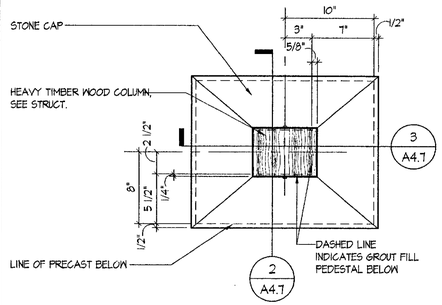
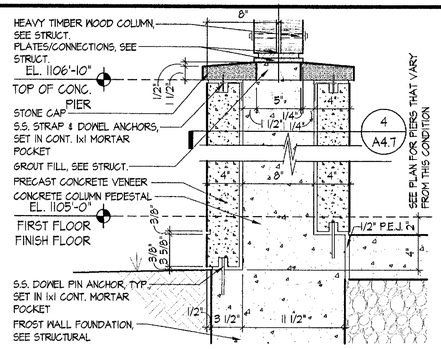


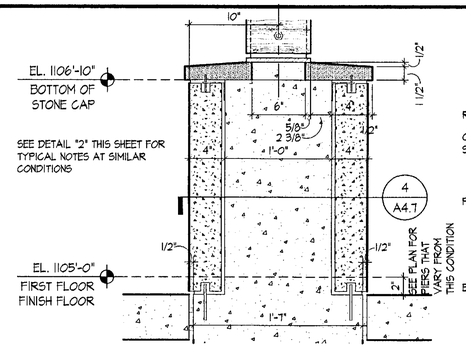
1 COLUMN PLAN

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



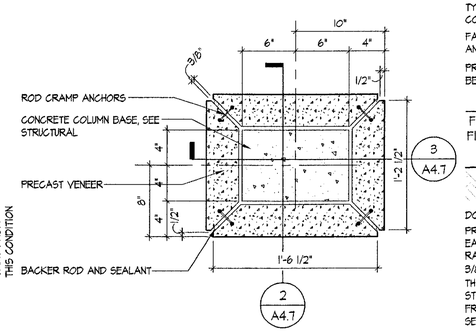
2 COLUMN SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



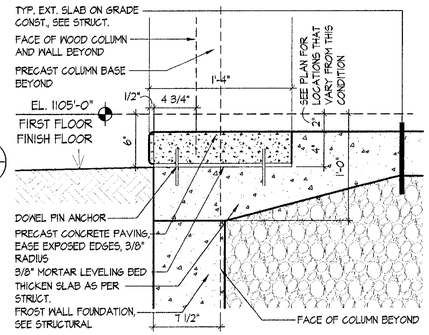
3 COLUMN SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



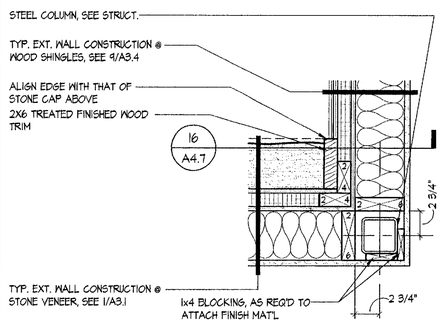
4 COLUMN SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



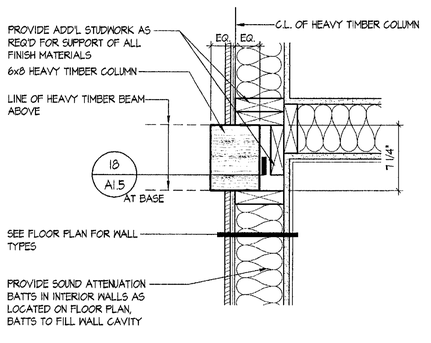
5 PRECAST DTL. AT SLAB EDGE

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



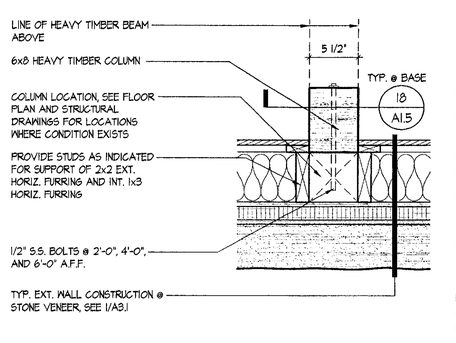
6 CORNER DTL. @ WOOD SHINGLES

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



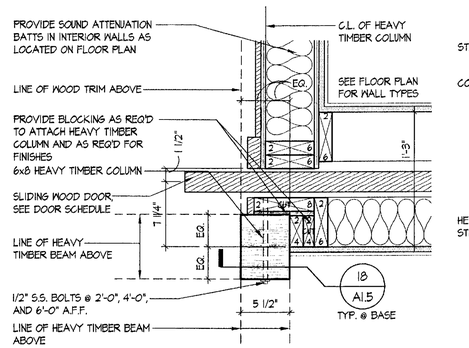
7 INTERIOR COLUMN DETAIL

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



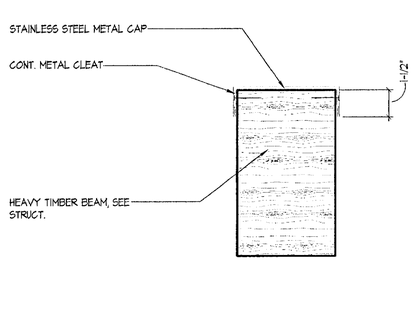
8 INTERIOR COLUMN DETAIL

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



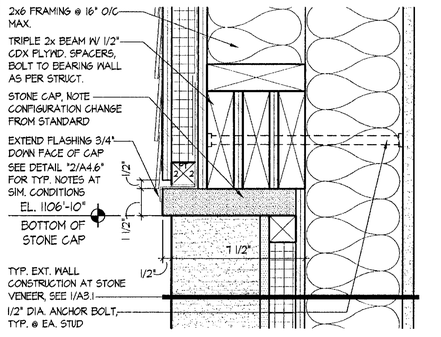
9 INTERIOR COLUMN DETAIL

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



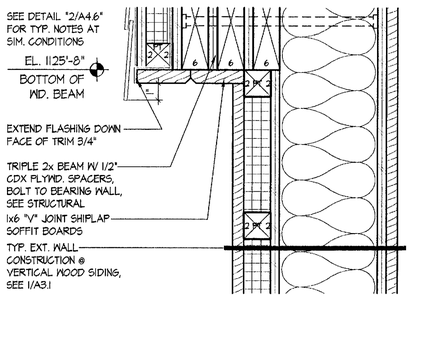
10 EXTERIOR BEAM DETAIL

SCALE: 3" = 1'-0" 2003_DTL-ARCH02



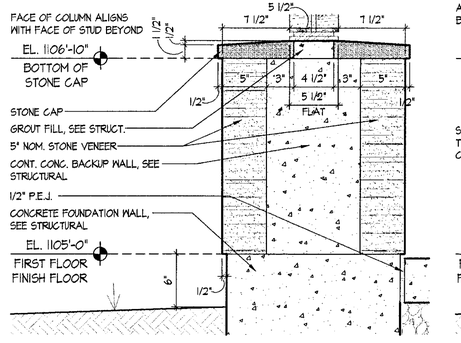
11 FLASHING DETAIL

SCALE: 3" = 1'-0" 2003_B501



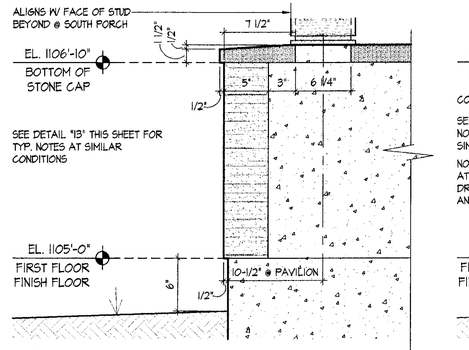
12 FLASHING DETAIL

SCALE: 3" = 1'-0" 2003_W501



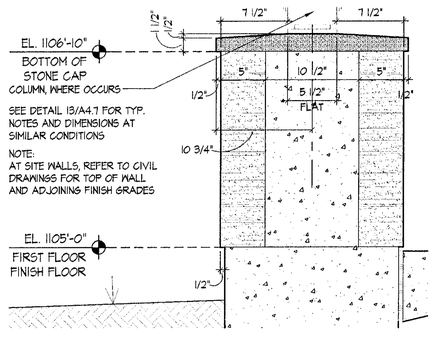
13 STONE WALL SECTION @ COLUMN

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



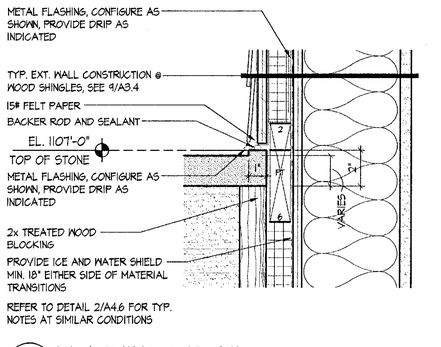
14 STONE WALL SECTION AT END

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



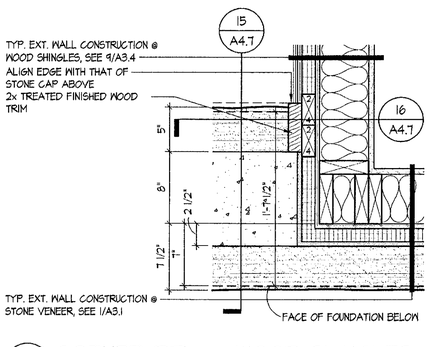
15 STONE WALL SECTION

SCALE: 1-1/2" = 1'-0" 2003_B501



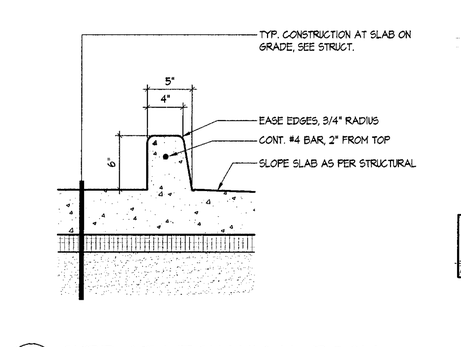
16 FLASHING DETAIL

SCALE: 3" = 1'-0" 2003_DTL-ARCH3



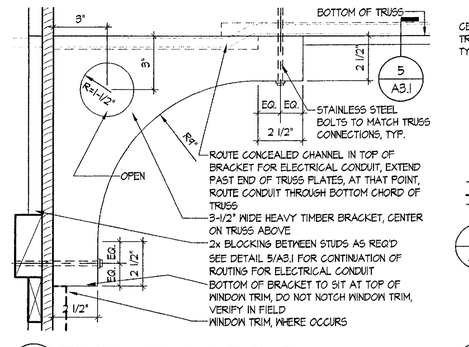
17 CORNER DTL. @ WOOD SHINGLES

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



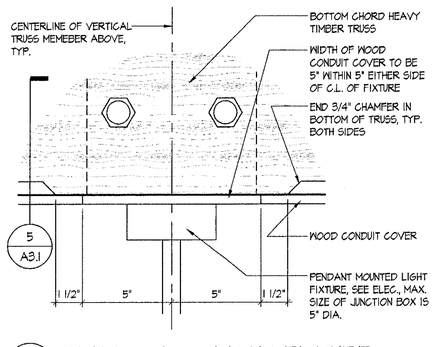
18 CURB AT MECHANICAL ROOM

SCALE: 1-1/2" = 1'-0" 2003_DTL-ARCH02



19 TRUSS BRACKET DETAIL

SCALE: 3" = 1'-0" 2003_B502



20 TRUSS DTL. @ LIGHT FIXTURE

SCALE: 3" = 1'-0" 2003_DTL-INT01

REGISTERED ARCHITECT ROBERT H. STARKEY JR. No. 1276 STATE OF VERMONT

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ARCHITECTURAL DETAILS

A4.7

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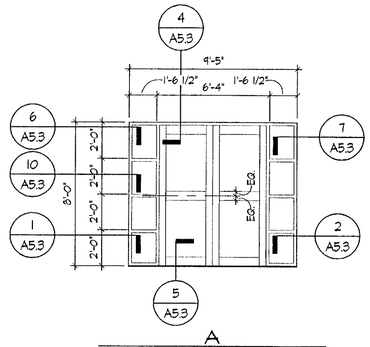
DOOR SCHEDULE

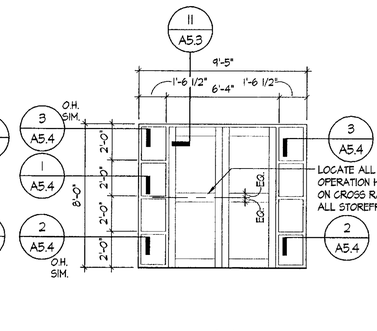
FLOOR	DOOR NO.	SIZE WIDTH	SIZE HEIGHT	SIZE THICK	DOOR ELEV	DOOR MAT	FRAME TYPE	FRAME MAT	DETAILS JAMB	DETAILS HEAD	DETAILS THR	HDW. SET	STOP	U.L. LABEL	REMARKS
FIRST FLOOR	100A	9'-5"	8'-0"		A	AL/GLASS	---	AL	NOTE #4	4/A5.3	5/A5.3	2A	---	---	NOTE #3
	100B	9'-5"	8'-0"	---	A.1	AL/GLASS	---	AL	NOTE #4	11/A5.3	---	3	---	---	NOTE #3
	101A	11'-6 1/2"	8'-0"	2-1/4"	E	WD/GLASS	---	---	9/A4.7	1/A5.1	4/A5.1	6	---	---	NOTE #7, #9
	101B	6'-8"	4'-3"	2-1/4"	L	WD/GL	---	---	1/A5.4	1/A5.1	---	6	---	---	NOTE #9
	101C	9'-5"	8'-0"	---	A.2	AL/GLASS	---	AL	NOTE #4	4/A5.3	5/A5.3	2	---	---	
	101D	3'-2 1/4"	3'-7"	2-1/4"	E/AB.1	WD.	---	WD.	15/A5.2	3/A8.2	3/A8.2	17	---	---	NOTE #8, #10
	102A	5'-2"	8'-0"	---	B	AL/GLASS	---	AL	NOTE #4	4/A5.3	9/A5.3	1	FLR	---	NOTE #3,#4
	102B	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	18/A5.2	18/A5.2	---	5	HINGE/CLSR	---	
	103A	3'-0"	7'-0"	1-3/4"	J	WD	2	WD	5/A5.2	5/A5.2	---	4A	WALL	---	
	104A	3'-0"	7'-0"	1-3/4"	J	WD	2	WD	5/A5.2	5/A5.2	---	4	WALL	---	
	105A	3'-0"	7'-0"	1-3/4"	J	WD	2	WD	5/A5.2	5/A5.2	---	4A	WALL	---	
	108A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	9/A5.2	4/A5.2	---	9	WALL/CLSR	---	
	109A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	6,11/A5.2	1/A5.2		10	MAG	---	NOTE #1
	110A	4'-0"	8'-0"	2-1/4"	K	WD	---	---	---	3/A5.1,8/A5.4	4&6/A5.1	7	---	---	NOTE #6
	111A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	7,12/A5.2	2/A5.2	---	11	WALL	---	
	111B	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	12,17/A5.2	2/A5.2	---	11	HINGE/CLSR	---	
	112A	4'-0"	8'-0"	2-1/4"	K, O.H.	WD	---	---	---	3/A5.1,8/A5.4	4&6/A5.1	7	---	---	NOTE #6
	113A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	11,16/A5.2	1/A5.2 O.H.	---	10	MAG	---	NOTE #1
	114A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	19/A5.2	14/A5.2	---	4	WALL	---	
	115A	3'-0"	7'-10"	2-1/4"	H	WD	1	WD	13/A5.2	3/A5.2	---	8	WALL	---	
	115B	3'-0"	7'-0"	1-3/4"	G	HM	4	HM	NOTE #4	1/A5.5	6/A5.5	12	FLR	---	
ATTIC	200A	3'-0"	5'-9"	2-1/4"	H	WD	3	WD	9/A5.2 SIM.	O.H 10/A5.2	---	13	FLR	---	
	201A	6'-0"	5'-3 1/2"	1-3/4"	M	HM	5	HM	17/A5.5	11/A5.5	16/A5.5	14	FLR	---	NOTE #2, #5
MAINTENANCE BLDG.	300A	3'-0"	7'-10"	2-1/4"	H	WD	6	HM	2,7,12/A5.5	1/A5.5, SIM.	6/A5.5 SIM.	12	FLR	---	
	300B	8'-0"	8'-0"	2-3/4"	D	WD	---	---	NOTE #4	5/A5.4	10/A5.4	15	---	---	NOTE #7
PICNIC PAVILION	400A	7'-0"	7'-10"	2-1/4"	C	WD	---	---	4,9/A5.4	12/A5.4	---	16	---	---	

NOTES:
#1. DOOR IS ON MAGNETIC HOLD OPEN. DOOR TO BE IN OPEN POSITION WHENEVER TOILET FACILITY IS ACCESSIBLE.
#2. SEE PLAN FOR ACTIVE/INACTIVE LEAF.
#3. FRAME TYPE AS PER ELEVATION.
#4. SEE ELEVATION FOR JAMB DETAILS.
#5. FIELD VERIFY FINAL HEIGHT DIMENSION.
#6. SEE 1/A3.2 FOR DIRECTION OF CROSS BRACE.
#7. DOOR THICKNESS, IF SHOWN, IS A MINIMUM. MANUF. TO PROVIDE UNIT IN THICKNESS AS REQ'D TO MEET AWI PREMIUM GRADE REQUIRMENTS IN CONFIGURATION AS SHOWN. CONTRACTORS RESPONSIBILITY TO COORDINATE ALL ITEMS RELATING TO FINAL DOOR SIZE.
#8. SEE SHEET A8.1 FOR DOOR LOCATION.
#9. FIELD VERIFY FINAL SIZES OF ALL SLIDING DOORS AS PER MANUFACTURERS STANDARD DETAILS AND CONSTRUCTION METHODS.
#10. FIELD VERIFY FINAL HEIGHT WITH INSTALLED FLOOR FINISHES.

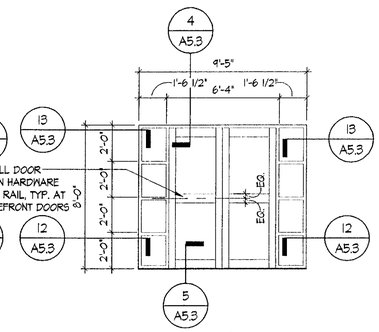
STOP DESIGNATIONS:
FLR. FLOOR TYPE
CLSR. CLOSER TYPE
WALL WALL TYPE
MAG. MAGNETIC HOLD OPEN
HINGE HINGE STOP



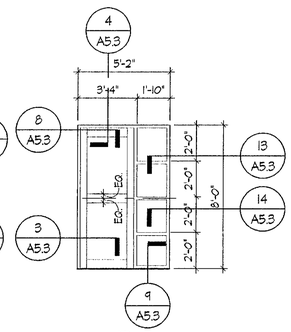
A
EXT. ALUMINUM STOREFRONT AND SIDELIGHTS
THERMALLY BROKEN
ALL GLASS TO BE SAFETY TEMPERED



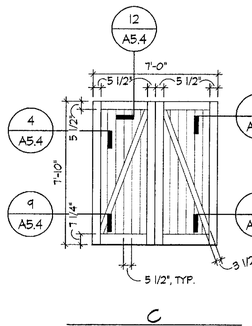
A.1
INT. ALUMINUM STOREFRONT AND SIDELIGHTS
THERMALLY BROKEN
ALL GLASS TO BE SAFETY TEMPERED



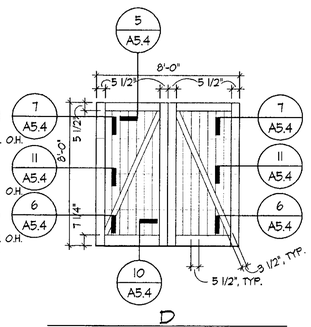
A.2
EXT. ALUMINUM STOREFRONT AND SIDELIGHTS
THERMALLY BROKEN
ALL GLASS TO BE SAFETY TEMPERED



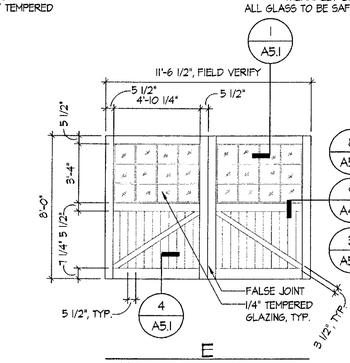
B
ALUMINUM STOREFRONT AND SIDELIGHTS
THERMALLY BROKEN
ALL GLASS TO BE SAFETY TEMPERED



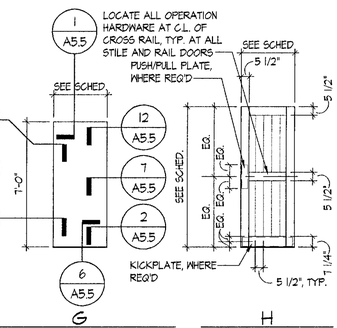
C
EXT. WOOD CARRIAGE DOOR



D
EXT. WOOD SECTIONAL OVERHEAD DOOR



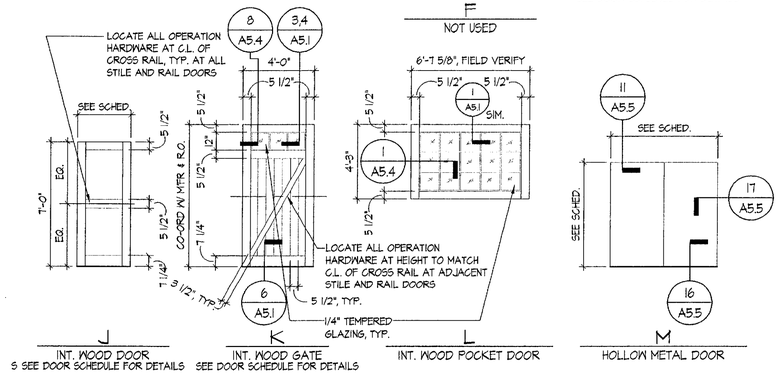
E
INTERIOR WOOD POCKET DOOR



G
INSUL. EXT. HOLLOW METAL DOOR

H
INT./EXT. WOOD DOOR
SEE DOOR SCHEDULE FOR DETAILS

F
NOT USED



J
INT. WOOD DOOR
SEE DOOR SCHEDULE FOR DETAILS

K
INT. WOOD GATE
SEE DOOR SCHEDULE FOR DETAILS

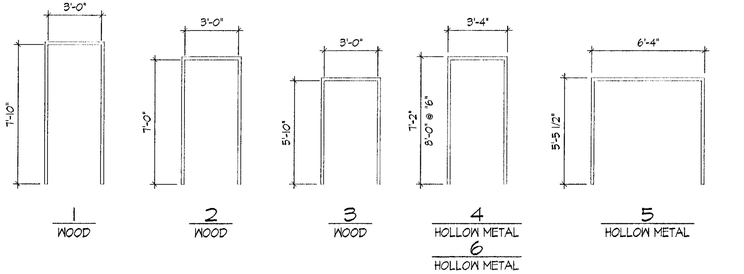
L
INT. WOOD POCKET DOOR

M
HOLLOW METAL DOOR

DOOR TYPES

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

2003_ELEV-DOOR

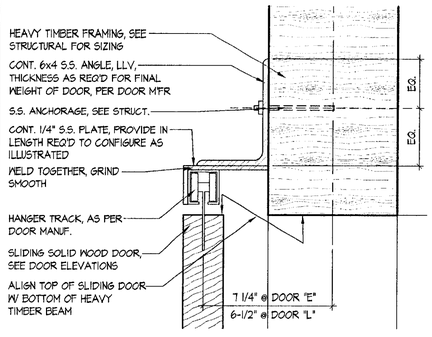


1 WOOD
2 WOOD
3 WOOD
4 HOLLOW METAL
6 HOLLOW METAL
5 HOLLOW METAL

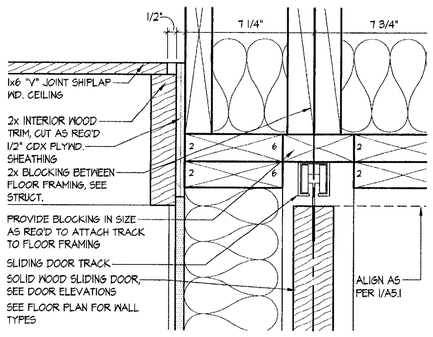
FRAME TYPES

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

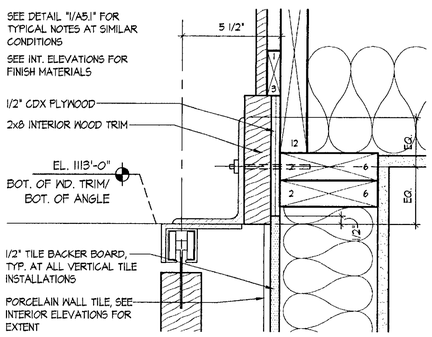
2003_ELEV-DOOR



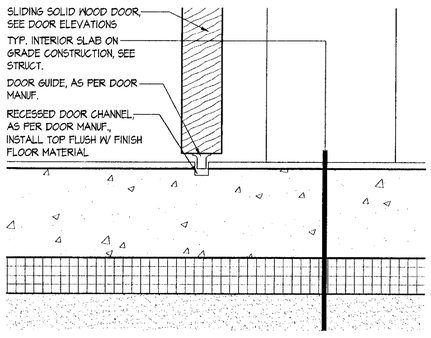
1 SLIDING DOOR HEAD
SCALE: 3" = 1'-0"
2003_B505



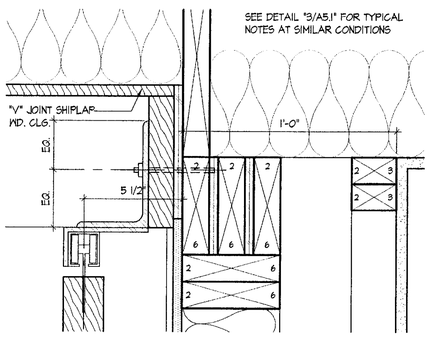
2 SLIDING DOOR HEAD
SCALE: 3" = 1'-0"
2003_B503



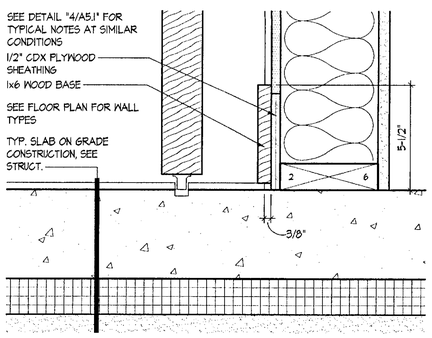
3 SLIDING DOOR HEAD
SCALE: 3" = 1'-0"
2003_B513



4 SLIDING DOOR SILL
SCALE: 3" = 1'-0"
2003_B505



4 SLIDING DOOR HEAD
SCALE: 3" = 1'-0"
2003_DTL-DR02



6 SLIDING DOOR SILL
SCALE: 3" = 1'-0"
2003_B513

REGISTERED ARCHITECT
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STATE OF VERMONT

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DUFRESNE AND HENRY
Precision Park
North Springfield VT 05150-0029
(802)-886-2261

REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

DOOR SCHEDULE / TYPES AND DETAILS

A5.1

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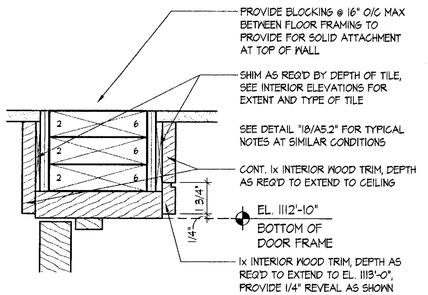
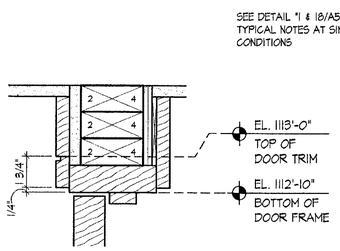
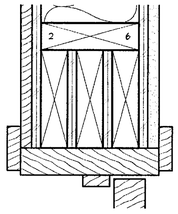


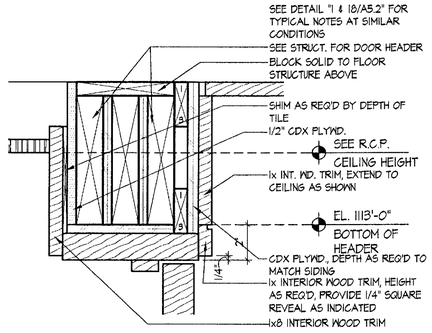
1 WD. DR. HD. @ 109A/113A SIM.
SCALE: 3" = 1'-0" 2003_DTL-DR01



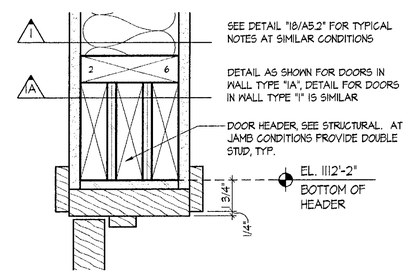
2 WD. DR. HD @ 111A/111B
SCALE: 3" = 1'-0" 2003_DTL-DR01



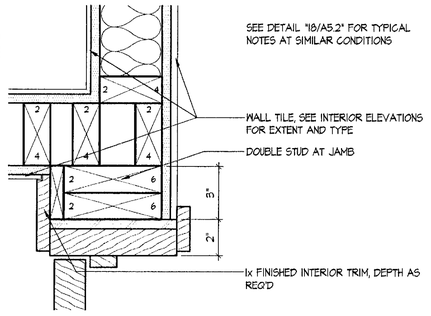
3 WD. DR. HD. @ 115A
SCALE: 3" = 1'-0" 2003_DTL-DR01



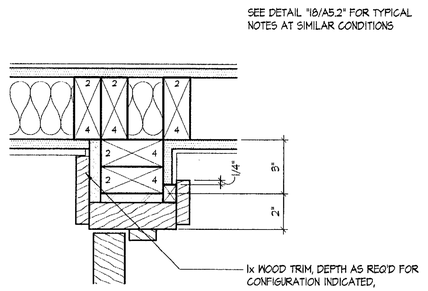
4 WD. DR. HD. @ 108A
SCALE: 3" = 1'-0" 2003_DTL-DR01



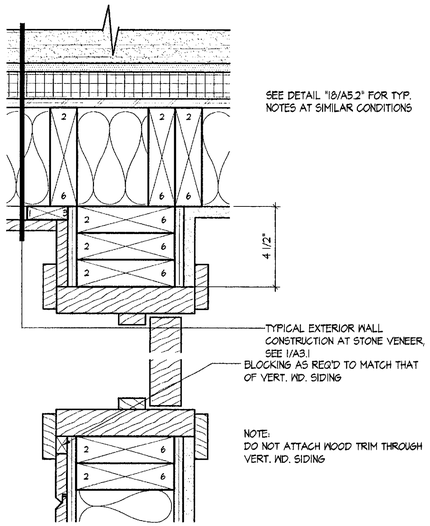
5 DR. HD./JAMB SIM. @ 103A/104A/105A
SCALE: 3" = 1'-0" 2003_DTL-DR01



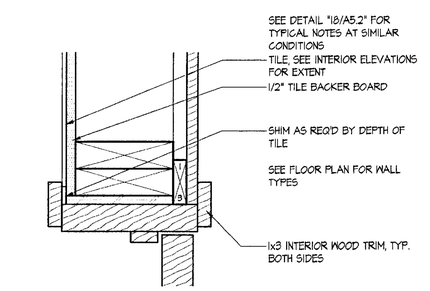
6 WD. DR. JAMB @ 109A
SCALE: 3" = 1'-0" 2003_DTL-DR01



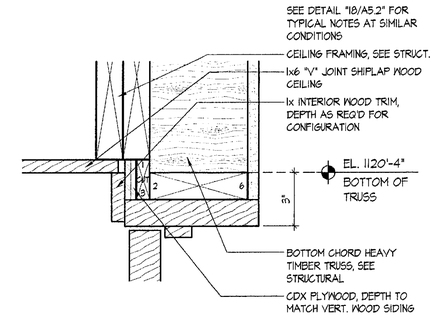
7 WD. DR. JAMB @ 111A
SCALE: 3" = 1'-0" 2003_DTL-DR01



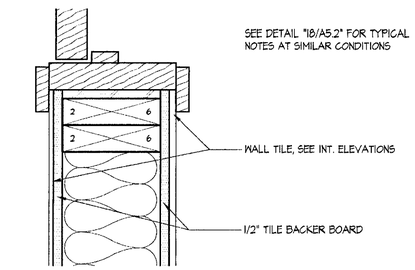
13 WD. DR. JAMB @ 115A
SCALE: 3" = 1'-0" 2003_DTL-DR01



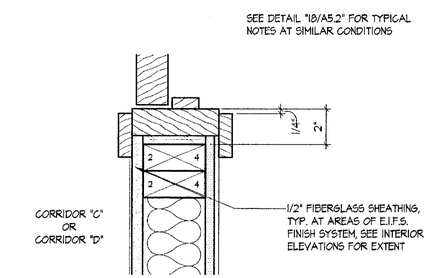
9 WD. DR. JAMB @ 108A
SCALE: 3" = 1'-0" 2003_DTL-DR01



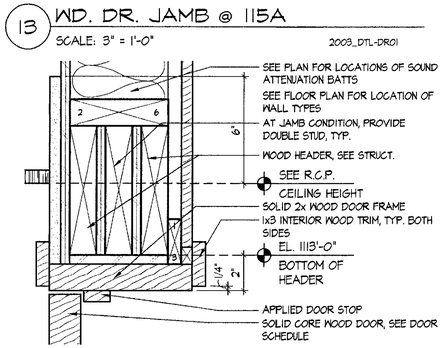
10 WD. DR. HEAD @ 200A
SCALE: 3" = 1'-0" 2003_DTL-DR01



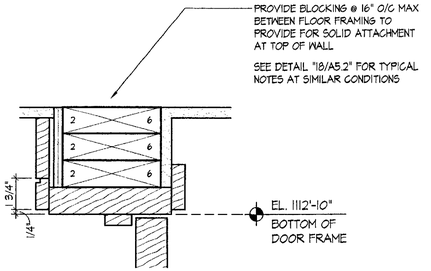
11 WD. DR. JAMB @ 109A/113A
SCALE: 3" = 1'-0" 2003_DTL-DR01



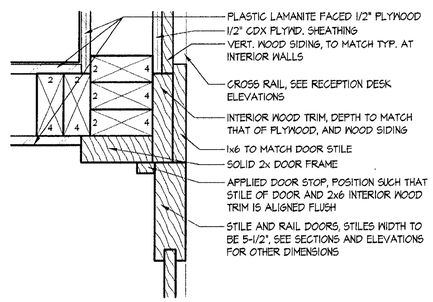
12 WD. DR. JAMB @ 111A/111B
SCALE: 3" = 1'-0" 2003_DTL-DR01



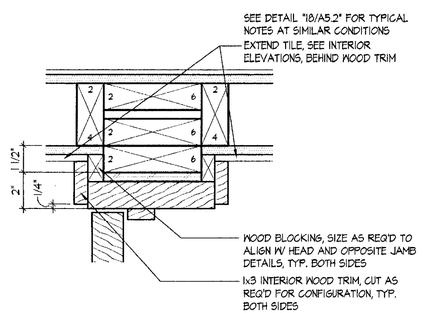
18 WD. DR. HD./JAMB SIM. @ 102B
SCALE: 3" = 1'-0" 2003_DTL-DR01



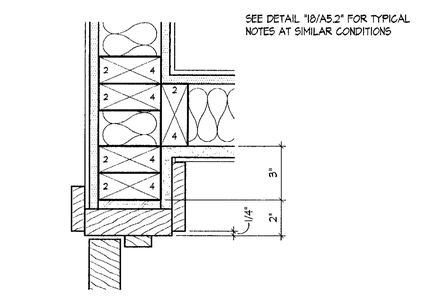
14 WD. DR. HD. @ 114A
SCALE: 3" = 1'-0" 2003_DTL-DR01



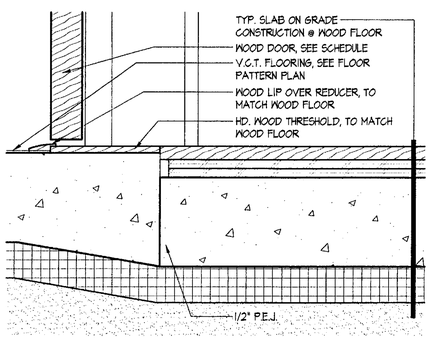
15 DOOR #101 JAMB DTL.
SCALE: 3" = 1'-0" 2003_DTL-DESK01



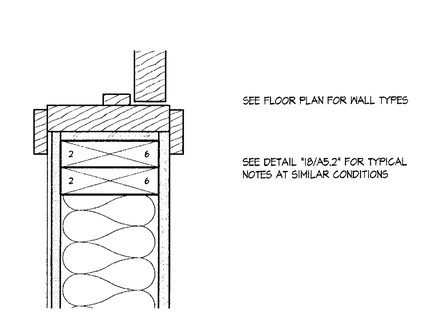
16 WD. DR. JAMB @ 113A
SCALE: 3" = 1'-0" 2003_DTL-DR01



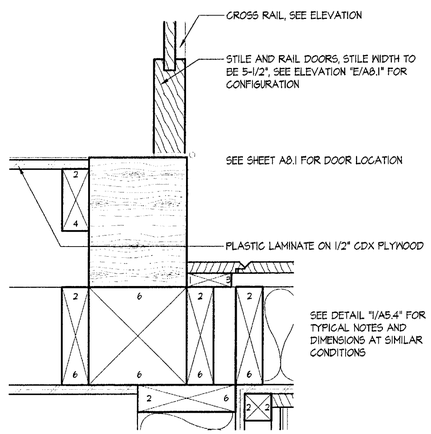
17 WD. DR. JAMB @ 111B
SCALE: 3" = 1'-0" 2003_DTL-DR01



20 WD. DR. SILL @ 102B
SCALE: 3" = 1'-0" 2003_B607



19 WD. DR. JAMB @ 114A
SCALE: 3" = 1'-0" 2003_DTL-DR01



REGISTERED ARCHITECT ROBERT R. STRONG No. 1176 STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

WOOD DOOR DETAILS

A5.2

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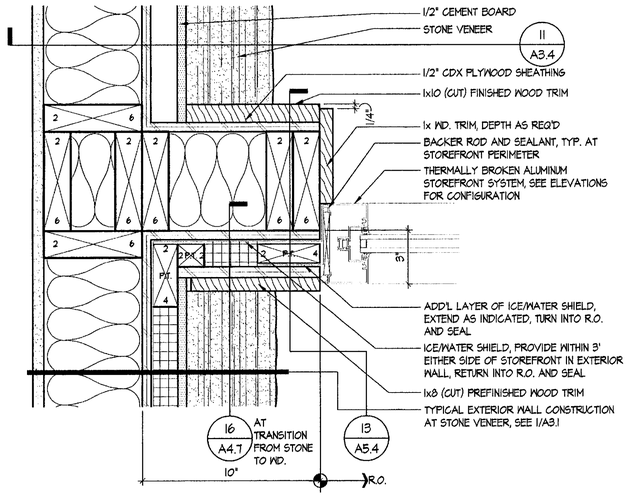
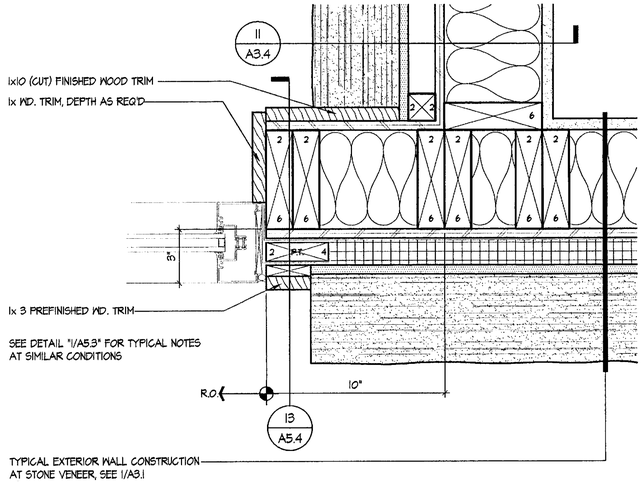


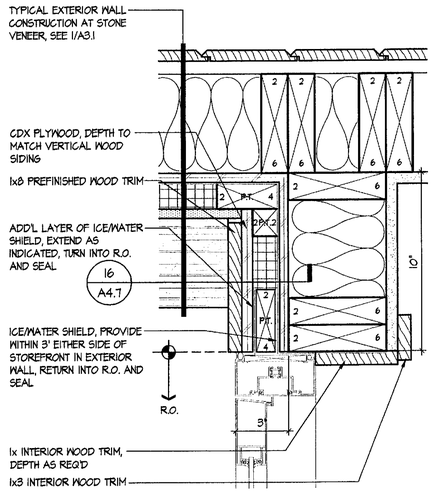
1 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



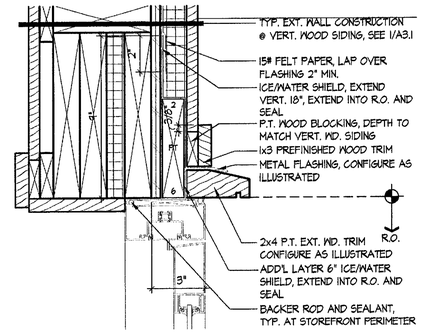
2 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



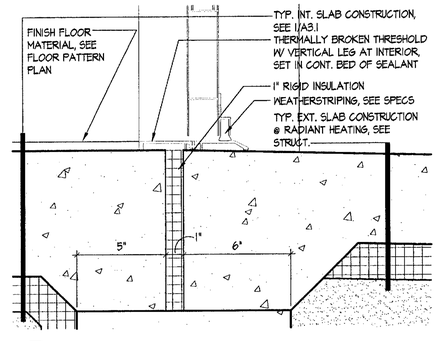
3 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



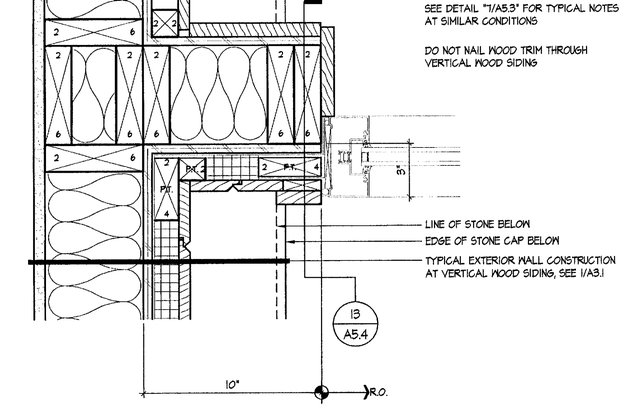
4 STOREFRONT HEAD DETAIL

SCALE: 3" = 1'-0" 2003_B505



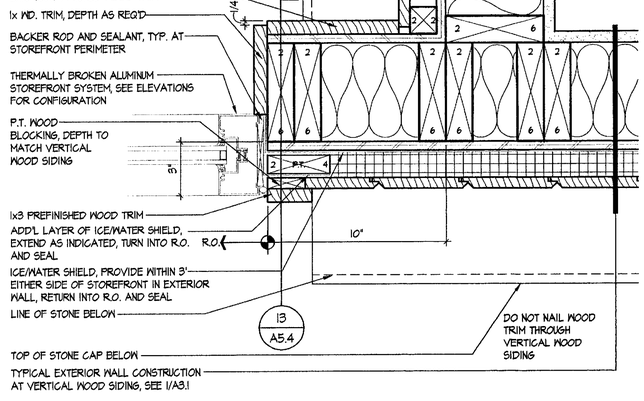
5 STOREFRONT SILL DETAIL

SCALE: 3" = 1'-0" 2003_B505



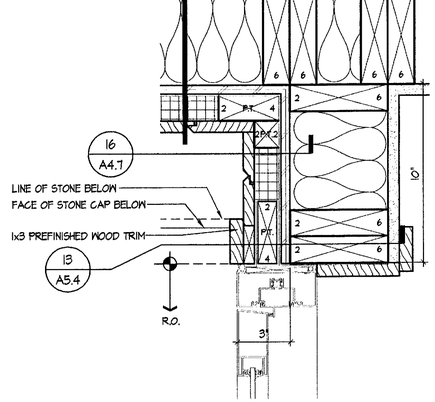
6 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



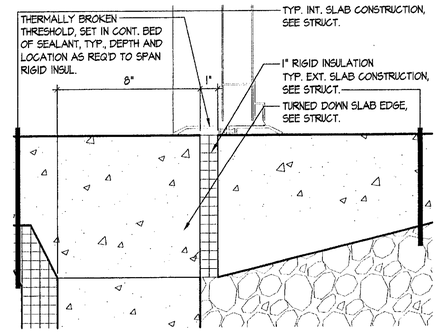
7 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



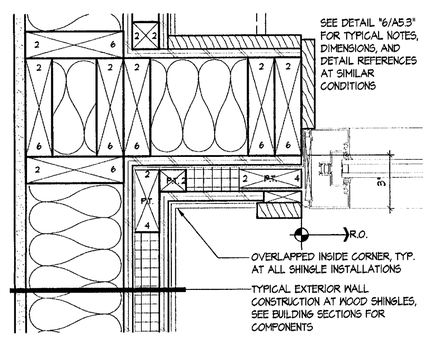
8 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



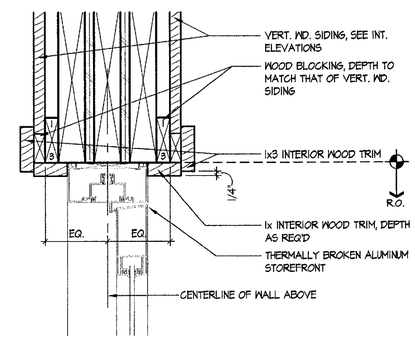
9 STOREFRONT SILL DETAIL

SCALE: 3" = 1'-0" 2003_W502



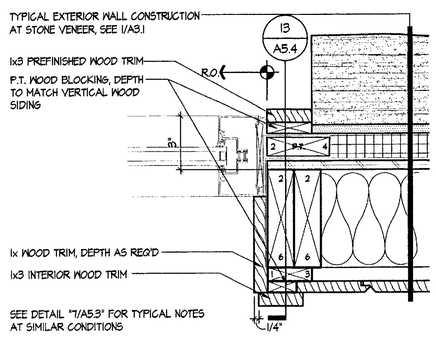
10 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



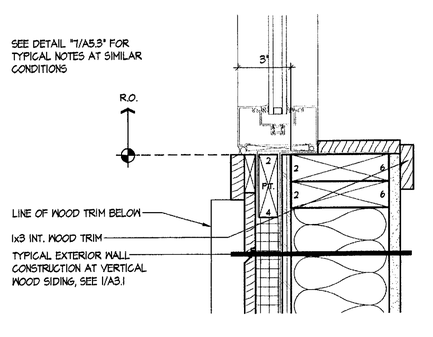
11 STOREFRONT HEAD DETAIL

SCALE: 3" = 1'-0" 2003_B505



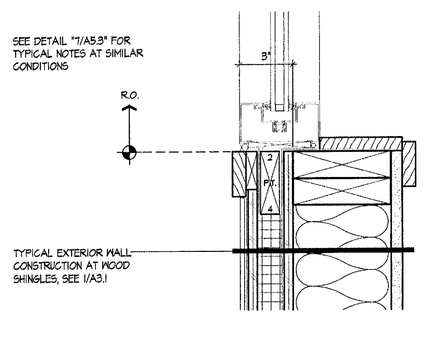
12 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



13 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



14 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01

REGISTERED ARCHITECT ROBERT R. STACKER STATE OF VERMONT No. 1276

NORTHERN ARCHITECTS

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

STOREFRONT DETAILS

A5.3

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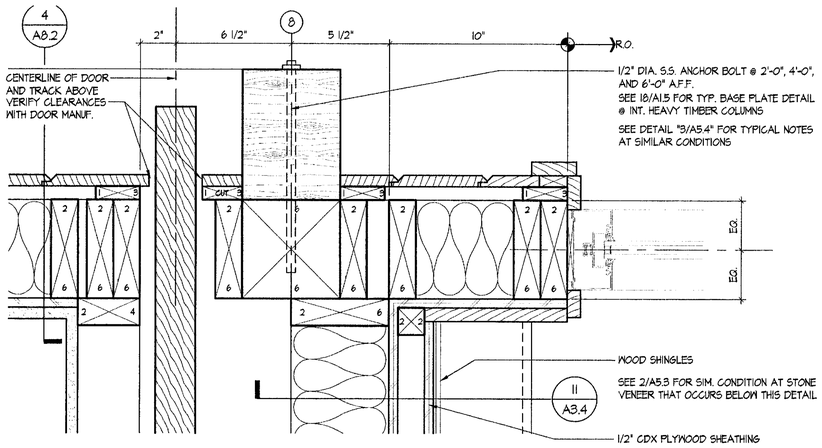
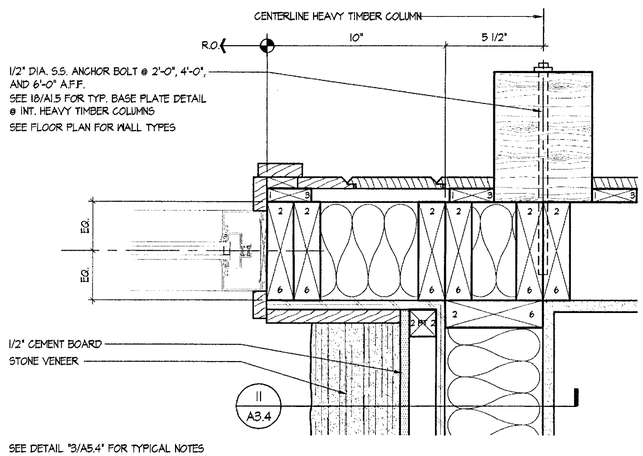
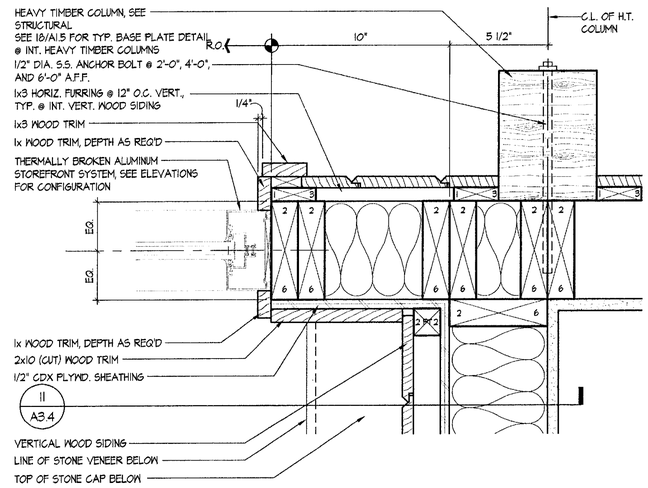
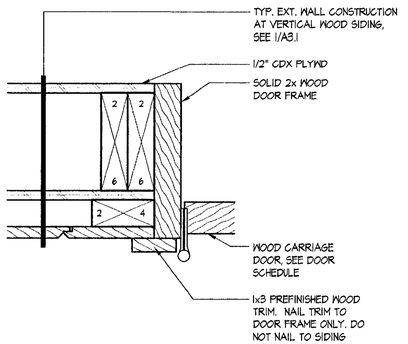






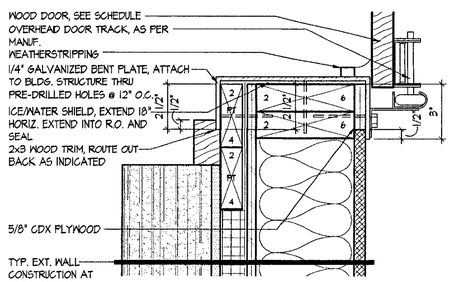
1 STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-SF01



2 STOREFRONT JAMB DETAIL

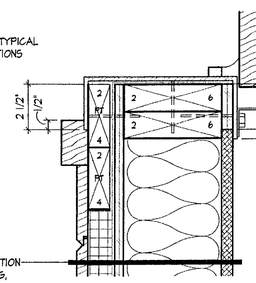
SCALE: 3" = 1'-0" 2003_DTL-SF01

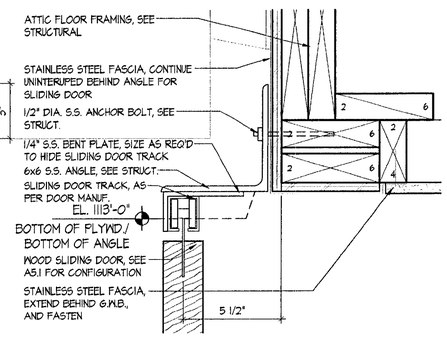


SEE DETAIL "6/A5.4" FOR TYPICAL NOTES AT SIMILAR CONDITIONS

3 STOREFRONT JAMB DETAIL

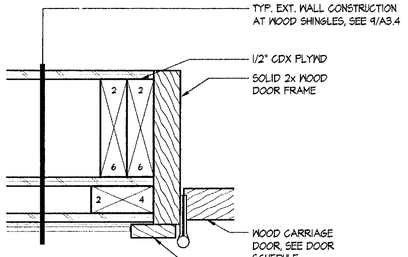
SCALE: 3" = 1'-0" 2003_DTL-SF01





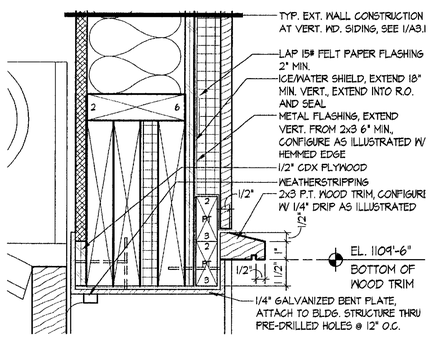
4 WD. DR. JAMB @ CARRIAGE DOOR

SCALE: 3" = 1'-0" 2003_DTL-DR03



5 SECTIONAL O.H. DOOR HEAD

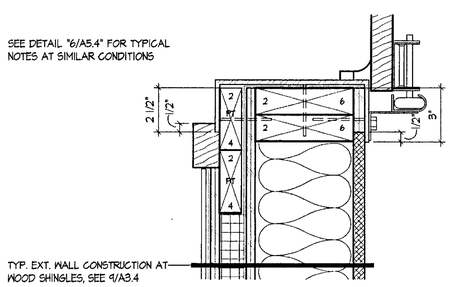
SCALE: 3" = 1'-0" 2003_BS-09A



6 SECTIONAL O.H. DOOR JAMB

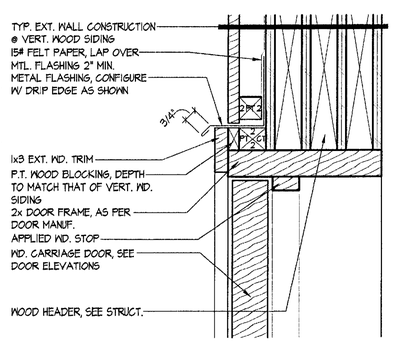
SCALE: 3" = 1'-0" 2003_DTL-DR02

SEE DETAIL "6/A5.4" FOR TYPICAL NOTES AT SIMILAR CONDITIONS



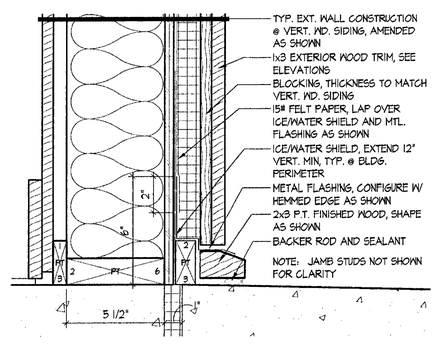
7 SECTIONAL O.H. DOOR JAMB

SCALE: 3" = 1'-0" 2003_DTL-DR02



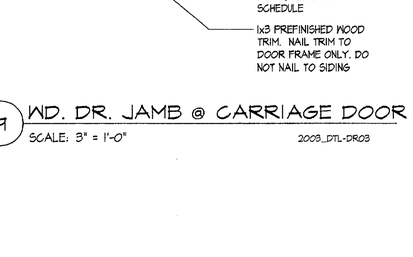
8 SLIDING DOOR HEAD

SCALE: 3" = 1'-0" 2003_VS04



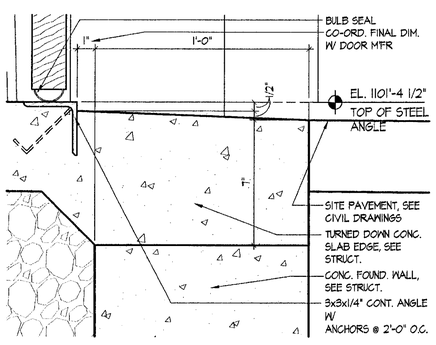
9 WD. DR. JAMB @ CARRIAGE DOOR

SCALE: 3" = 1'-0" 2003_DTL-DR03



10 SECTIONAL O.H. DOOR HEAD

SCALE: 3" = 1'-0" 2003_BS-09A



11 SECTIONAL O.H. DOOR JAMB

SCALE: 3" = 1'-0" 2003_DTL-DR02

12 WD. DR. HEAD @ CARRIAGE DOOR

SCALE: 3" = 1'-0" 2003_BS11

13 SILL DETAIL @ STOREFRONT TRIM

SCALE: 3" = 1'-0" 2003_DTL-ARCH01

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NEW FACILITY

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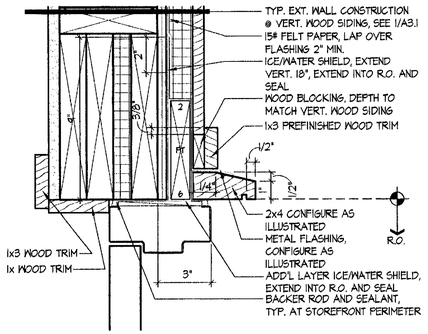
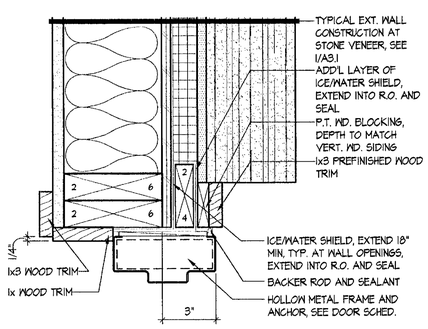
STOREFRONT, CARRAIGE, AND OVERHEAD DOOR DETAILS

A5.4



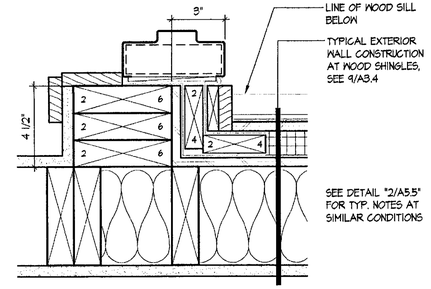
1 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



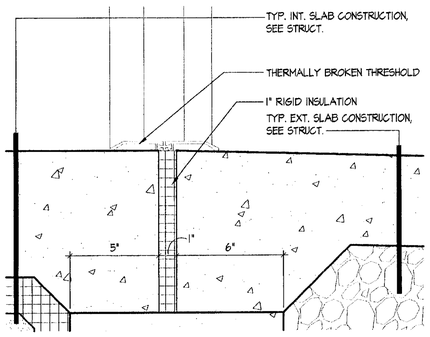
2 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



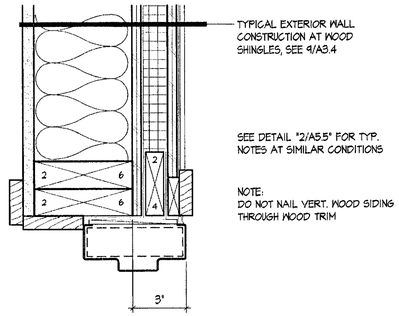
3 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



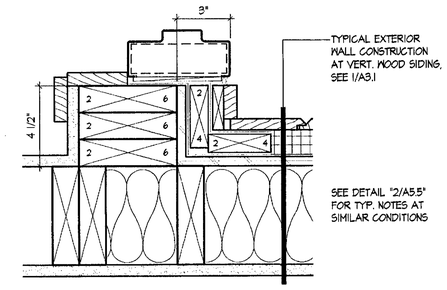
6 H.M. DOOR SILL @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



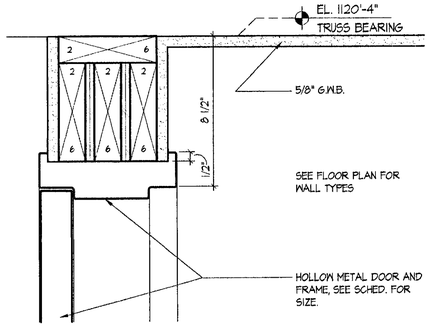
7 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



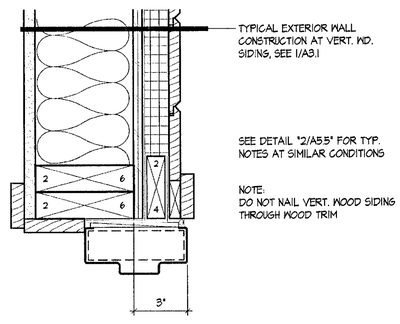
8 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



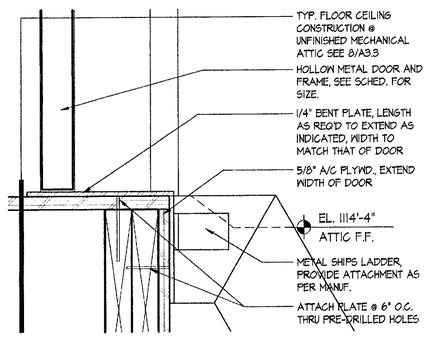
11 H.M. DOOR HEAD @ 201A

SCALE: 3" = 1'-0" 2003_W608



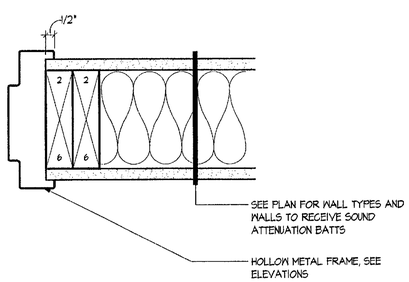
12 H.M. DOOR JAMB @ 115B

SCALE: 3" = 1'-0" 2003_DTL-DRHM



16 H.M. DOOR SILL @ 201A

SCALE: 3" = 1'-0" 2003_W608



17 H.M. DOOR JAMB @ 201A

SCALE: 3" = 1'-0" 2003_DTL-DRHM

REGISTERED ARCHITECT
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HOLLOW METAL DOOR DETAILS

A5.5

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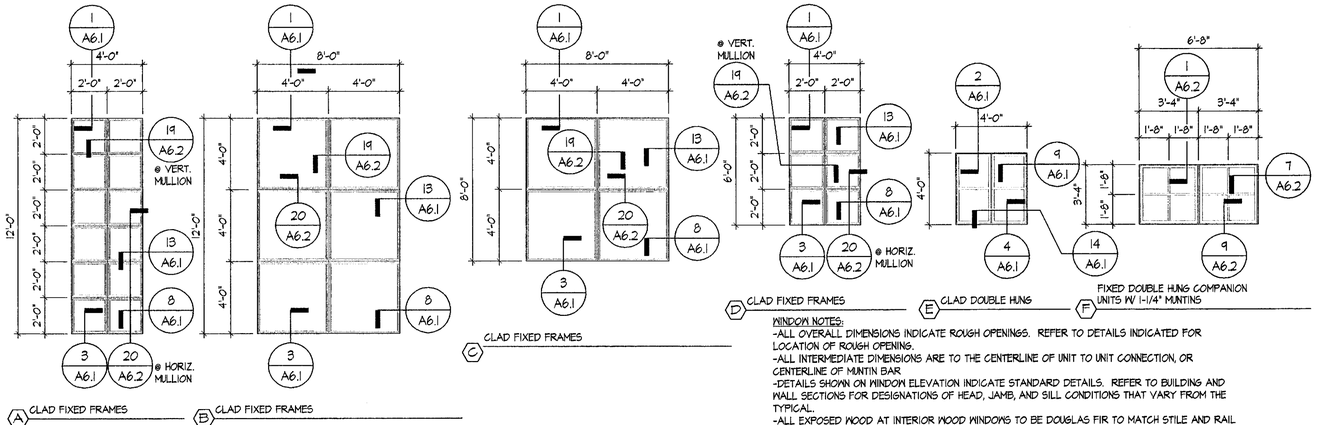
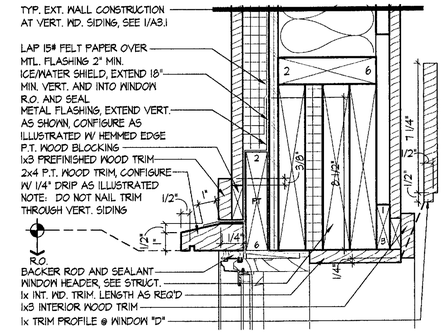


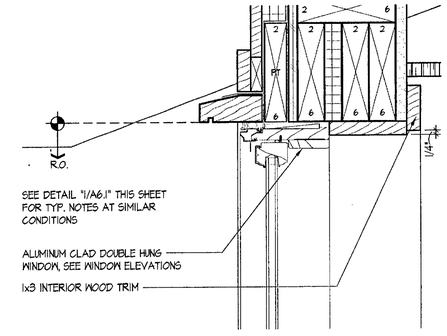
WINDOW TYPES

SCALE: 1/4" = 1'-0" 2003_ELEV-WINDOW



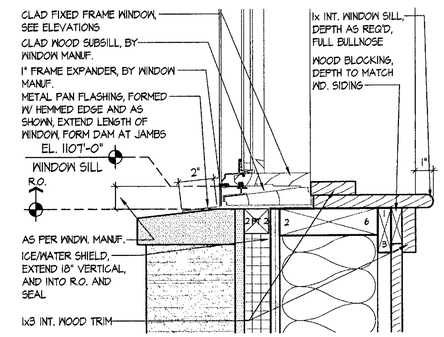
1 TYP. CLAD FRAME HEAD DETAIL

SCALE: 3" = 1'-0" 2003_B501



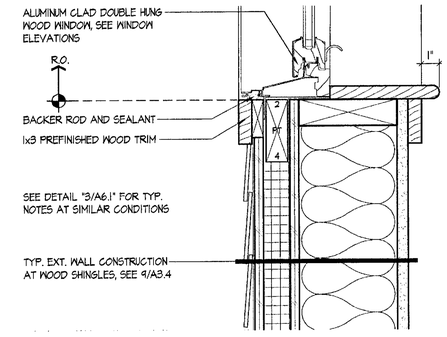
2 TYP. DOUBLE HUNG HEAD DETAIL

SCALE: 3" = 1'-0" 2003_B502



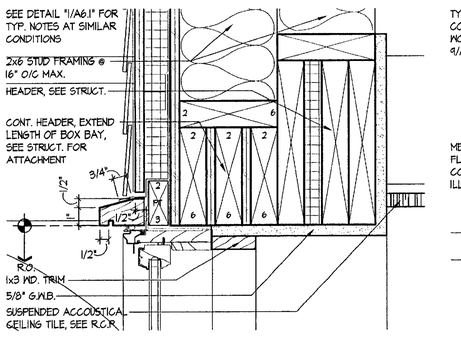
3 TYP. CLAD FRAME SILL DETAIL

SCALE: 3" = 1'-0" 2003_DTL-WNDW01



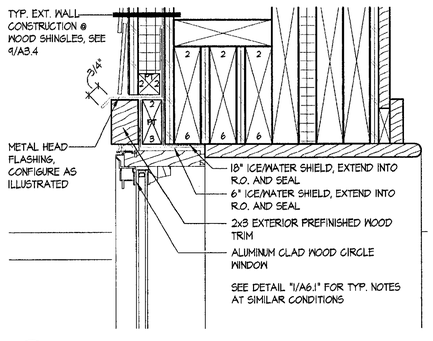
4 TYP. DOUBLE HUNG SILL DETAIL

SCALE: 3" = 1'-0" 2003_B502



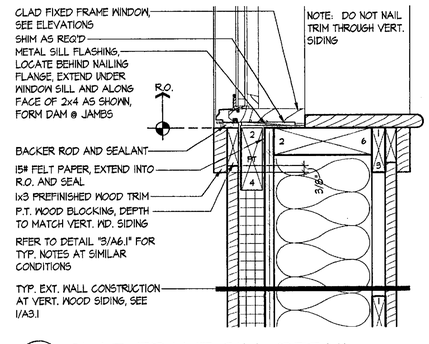
5 DBL. HUNG HEAD DTL. @ OFFICE

SCALE: 3" = 1'-0" 2003_B501



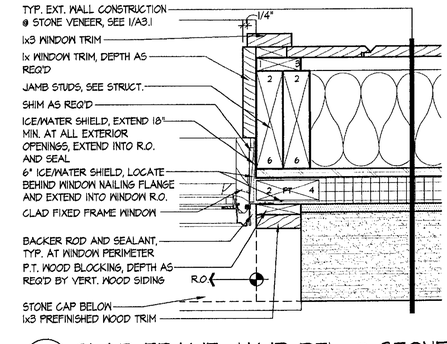
6 CIRCLE WINDOW TOP HALF

SCALE: 3" = 1'-0" 2003_W501



7 CLAD FRAME SILL DETAIL

SCALE: 3" = 1'-0" 2003_B501



8 CLAD FRAME JAMB DTL. @ STONE

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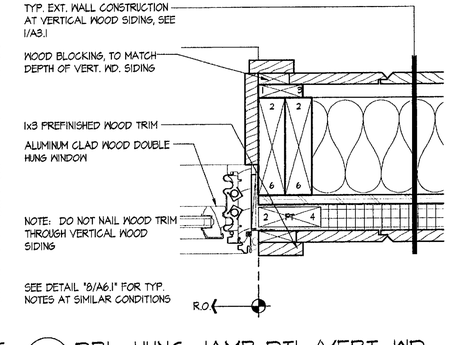
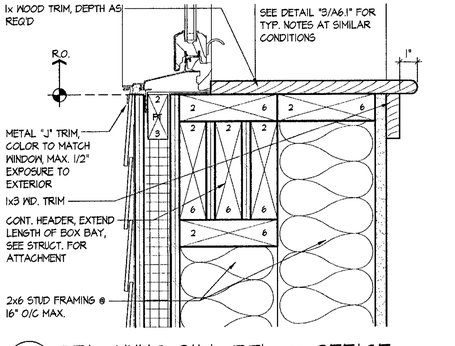


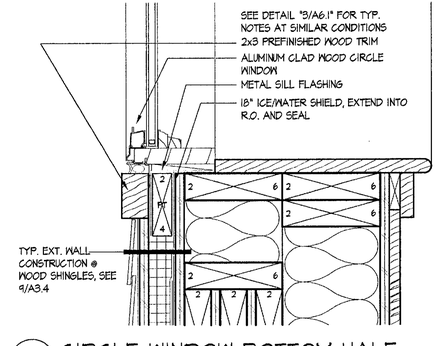
9 DBL. HUNG JAMB DTL./VERT. WD.

SCALE: 3" = 1'-0" 2003_DTL-WNDW01



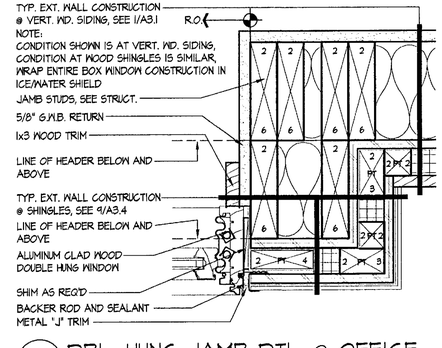
10 DBL. HUNG SILL DTL. @ OFFICE

SCALE: 3" = 1'-0" 2003_B501



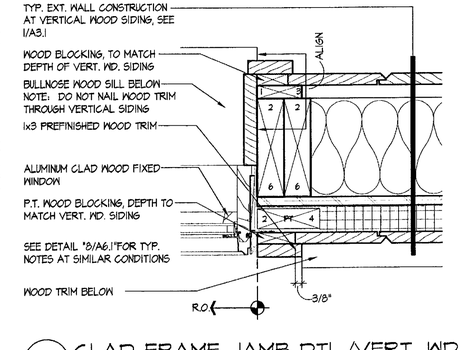
11 CIRCLE WINDOW BOTTOM HALF

SCALE: 3" = 1'-0" 2003_W501



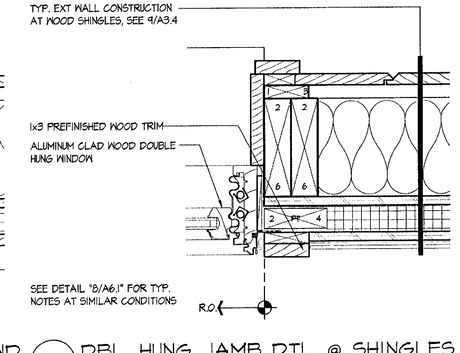
12 DBL. HUNG JAMB DTL. @ OFFICE

SCALE: 3" = 1'-0" 2003_DTL-WNDW01



13 CLAD FRAME JAMB DTL./VERT. WD.

SCALE: 3" = 1'-0" 2003_DTL-WNDW01



14 DBL. HUNG JAMB DTL. @ SHINGLES

SCALE: 3" = 1'-0" 2003_DTL-WNDW01

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
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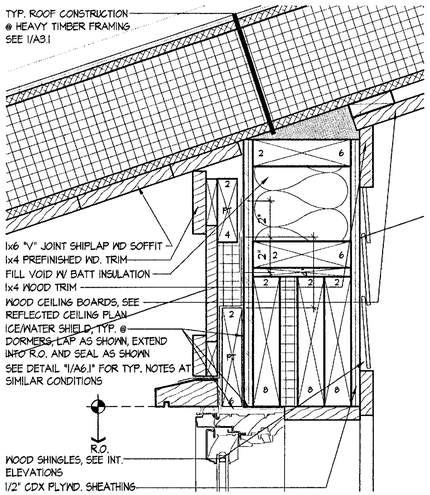
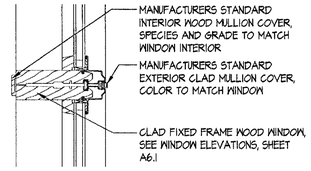
CHECKED: HS
PROJECT NO: 2003

WINDOW TYPES AND DETAILS

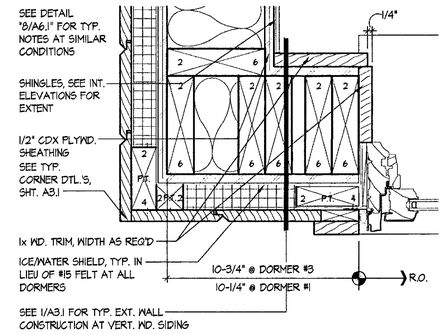
A6.1



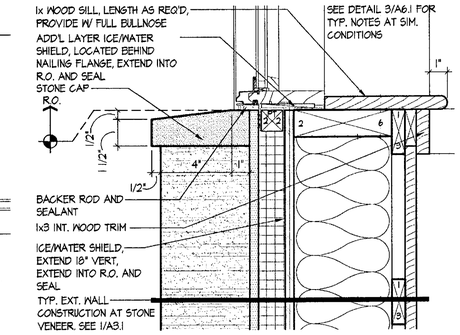
1 FIXED WINDOW HEAD @ DORMER
SCALE: 3" = 1'-0" 2003_B507



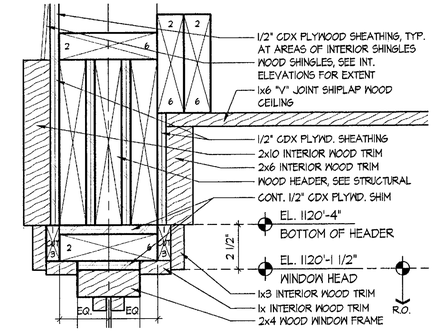
20 TYP. HORIZONTAL MULLION
SCALE: 3" = 1'-0" 2003_B506



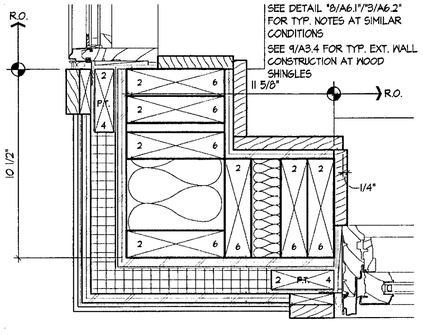
3 FIXED WINDOW JAMB/DORMER #1, #3
SCALE: 3" = 1'-0" 2003_DTL-WNDW01



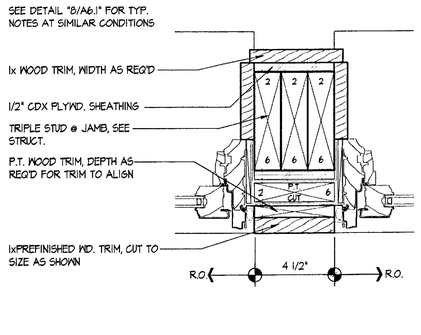
4 CLAD FRAME SILL @ STONE
SCALE: 3" = 1'-0" 2003_B501



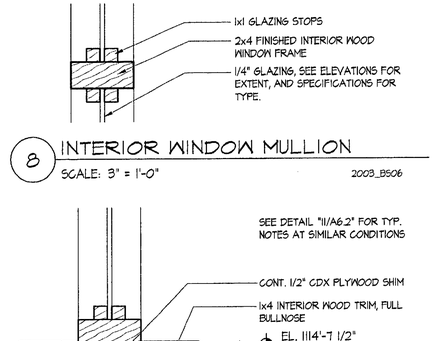
5 INTERIOR WINDOW HEAD
SCALE: 3" = 1'-0" 2003_B506



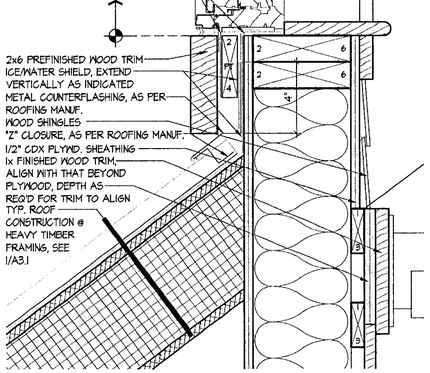
6 FIXED WINDOW JAMB/DORMER #2
SCALE: 3" = 1'-0" 2003_DTL-WNDW01



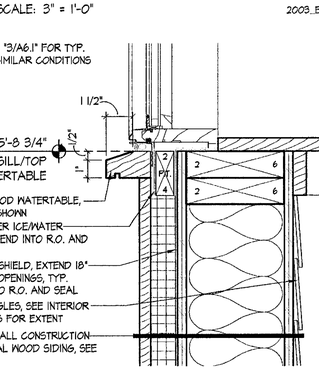
7 FIXED WINDOW JAMB @ DORMER
SCALE: 3" = 1'-0" 2003_DTL-WNDW01



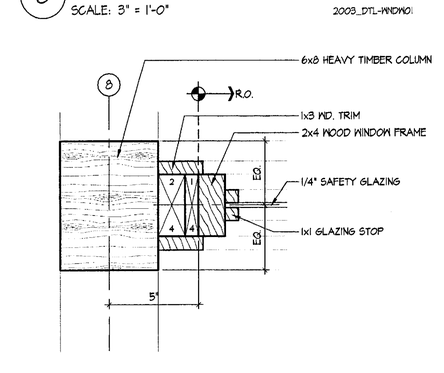
8 INTERIOR WINDOW MULLION
SCALE: 3" = 1'-0" 2003_B506



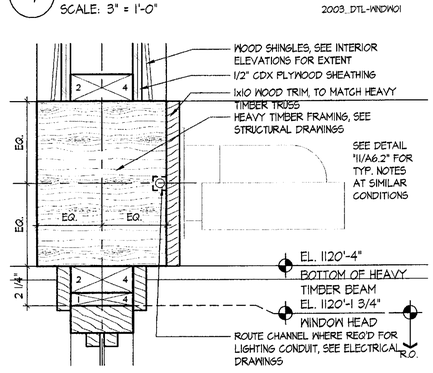
9 FIXED WINDOW SILL @ DORMER
SCALE: 3" = 1'-0" 2003_B507



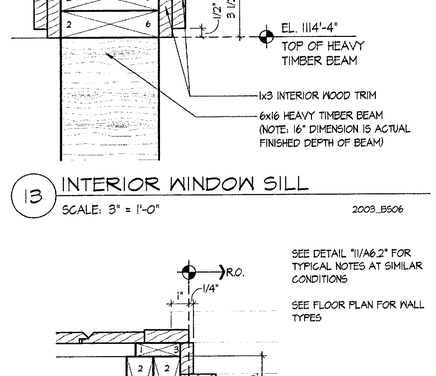
10 FIXED WINDOW SILL @ DORMER
SCALE: 3" = 1'-0" 2003_DTL-WNDW01



11 INTERIOR WINDOW JAMB
SCALE: 3" = 1'-0" 2003_DTL-WNDW02



12 INTERIOR WINDOW HEAD
SCALE: 3" = 1'-0" 2003_B505



18 INTERIOR WINDOW JAMB
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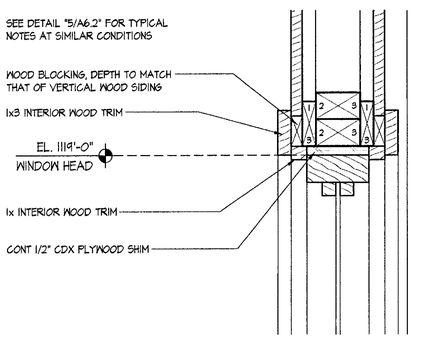
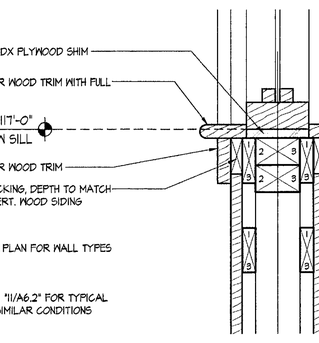
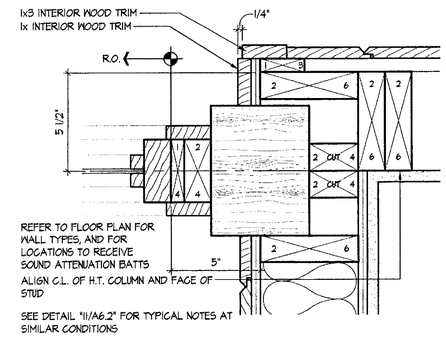


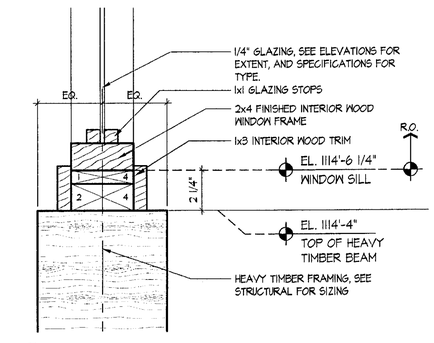
14 INTERIOR WINDOW HEAD/JAMB SIM.
SCALE: 3" = 1'-0" 2003_B506



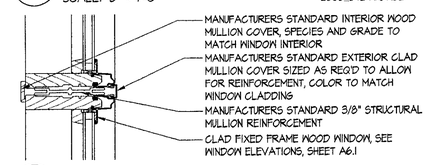
15 INTERIOR WINDOW SILL
SCALE: 3" = 1'-0" 2003_B506



16 INTERIOR WINDOW JAMB
SCALE: 3" = 1'-0" 2003_DTL-WNDW02



17 INTERIOR WINDOW SILL
SCALE: 3" = 1'-0" 2003_B505



19 TYP. VERTICAL MULLION
SCALE: 3" = 1'-0" 2003_DTL-WNDW02

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WINDOW DETAILS

A6.2

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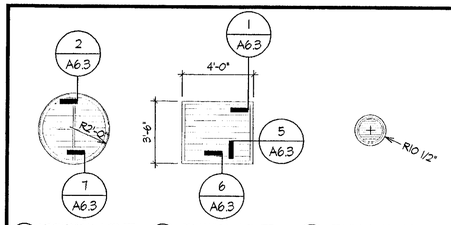
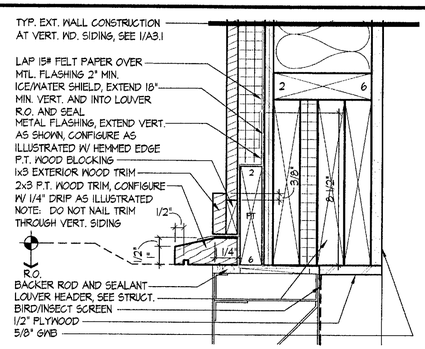


LOUVER NOTES:
-ALL OVERALL DIMENSIONS INDICATE ROUGH OPENINGS. REFER TO DETAILS INDICATED FOR LOCATION OF ROUGH OPENING.
-ALL INTERMEDIATE DIMENSIONS ARE TO THE CENTERLINE OF UNIT TO UNIT CONNECTION
-COORDINATE ALL MECHANICAL LOUVERS WITH MECHANICAL DRAWINGS AND REQUIREMENTS
-LOUVER FINISH AND COLOR TO MATCH THAT SPECIFIED FOR ALUMINUM CLAD WOOD WINDOWS

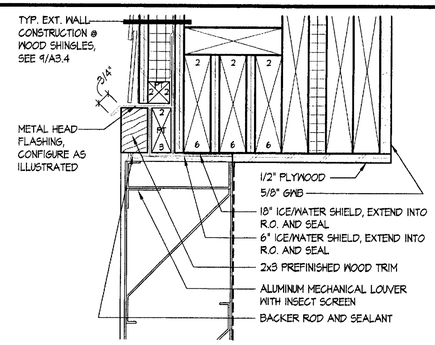
LOUVER TYPES

SCALE: 1/4" = 1'-0" 2003_ELEV-LOUVER



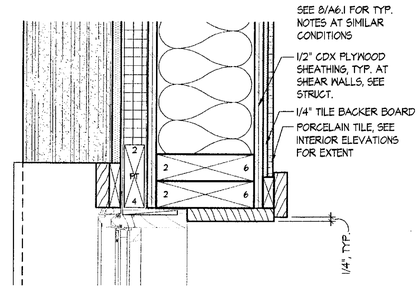
1 LOUVER HEAD DETAIL

SCALE: 3" = 1'-0" 2003_DTL-LOUVER



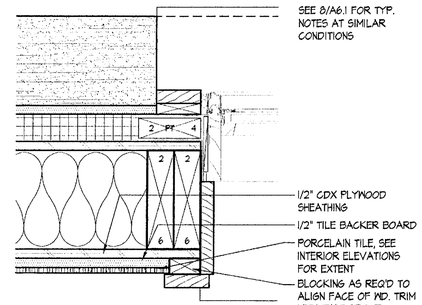
2 CIRCLE LOUVER HEAD DETAIL

SCALE: 3" = 1'-0" 2003_DTL-LOUVER



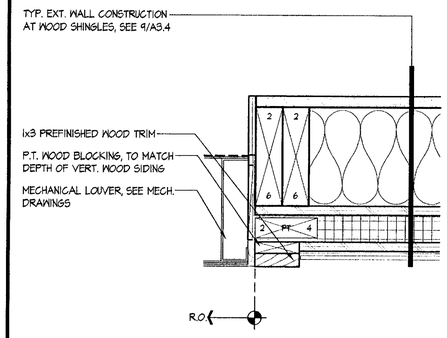
3 WINDOW JAMB/SHEAR WALL @ TILE

SCALE: 3" = 1'-0" 2003_DTL-TILE01



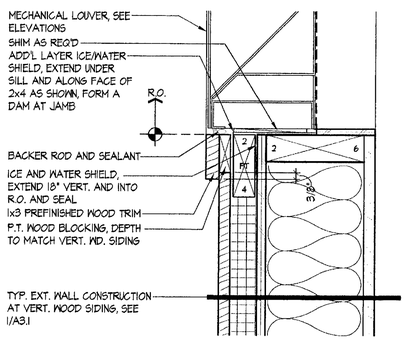
4 WINDOW JAMB AT TILE

SCALE: 3" = 1'-0" 2003_DTL-TILE01



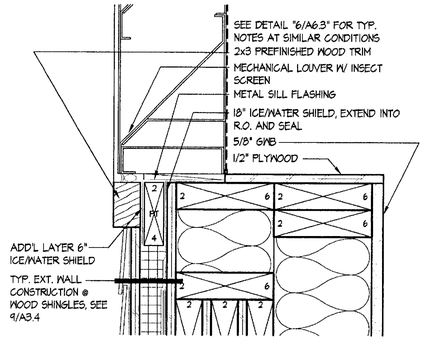
5 LOUVER JAMB DETAIL

SCALE: 3" = 1'-0" 2003_DTL-LOUVER



6 LOUVER SILL DETAIL

SCALE: 3" = 1'-0" 2003_DTL-LOUVER



7 CIRCLE LOUVER SILL DETAIL

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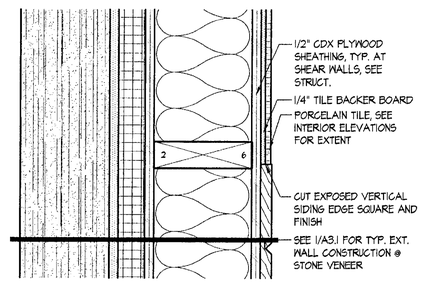
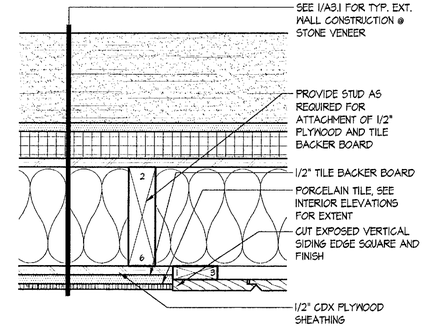


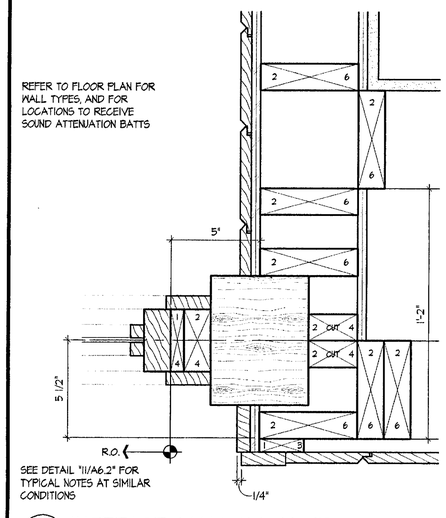
8 HORIZ. TILE TRANS./SHEAR WALL

SCALE: 3" = 1'-0" 2003_DTL-TILE01



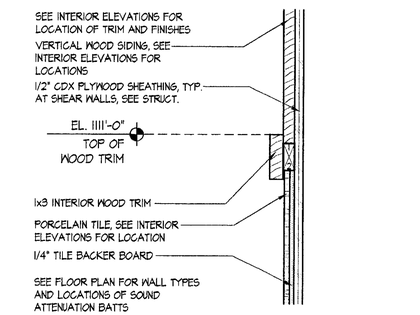
9 HORIZONTAL TILE TRANSITION

SCALE: 3" = 1'-0" 2003_DTL-TILE01



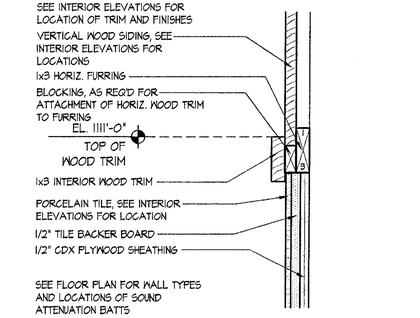
10 INTERIOR WINDOW JAMB

SCALE: 3" = 1'-0" 2003_DTL-WINDW02



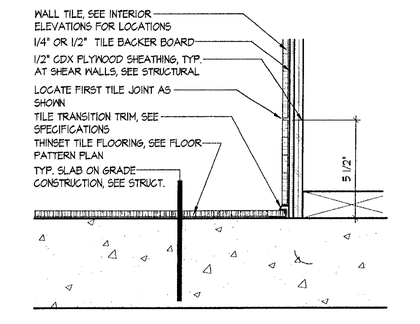
13 VERT. TILE TRANS./SHEAR WALL

SCALE: 3" = 1'-0" 2003_DTL-TILE01



14 VERTICAL TILE TRANSITION

SCALE: 3" = 1'-0" 2003_DTL-TILE01



19 TILE TO TILE BASE DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TILE01

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NEW FACILITY

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LOUVER TYPES AND DETAILS/ WINDOW DETAILS

A6.3

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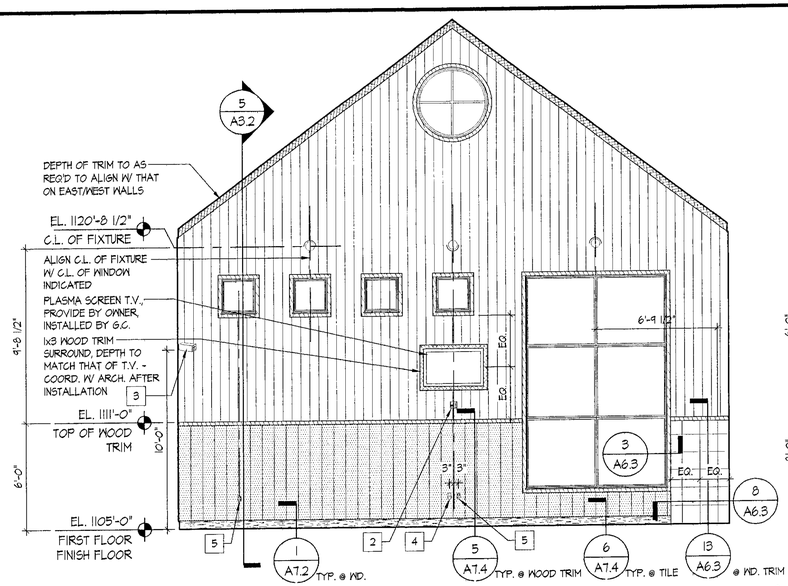
INTERIOR ELEVATION LEGEND

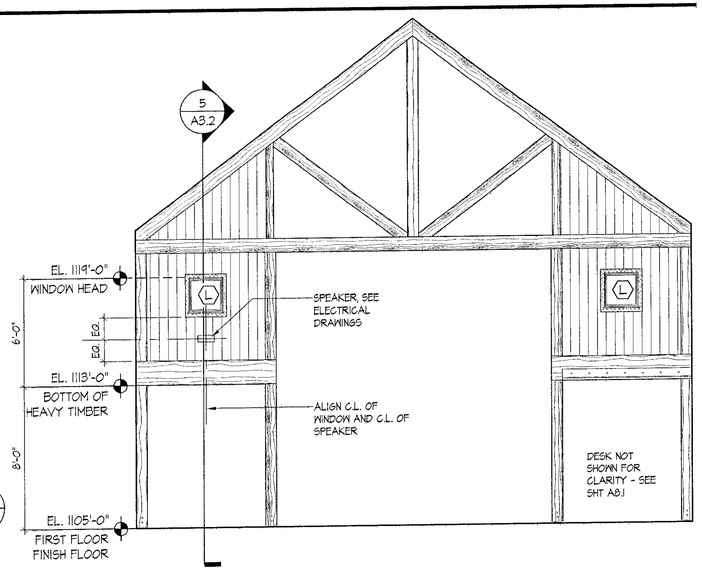
- VERT. WOOD SIDING, TRANSPARENT STAIN
- VERTICAL WD. PANELING
- WOOD SHINGLES, TRANSPARENT STAIN
- HEAVY TIMBER STRUCTURAL MEMBERS
- STAINLESS STEEL METAL FASCIA
- E.I.F.S. FINISH SYSTEM W/ ARMOR MAT OVER FIBERGLASS SHEATHING
- PORCELAIN TILE
- 1/4" SOLID SURFACING SHEETS JOINT
- WOOD BASE, TO MATCH WOOD FLOORING
- WOOD TRIM TO BE PAINTED
- WOOD TRIM TO RECIEVE TRANSPARANT STAIN
- 6x6 C.T. BASE, COLOR 3
- WALL SCONCE, ORIENT AS INDICATED, SEE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.

NOTE: SEE EXTERIOR ELEVATIONS FOR WINDOWS ON EXT. OF BUILDING

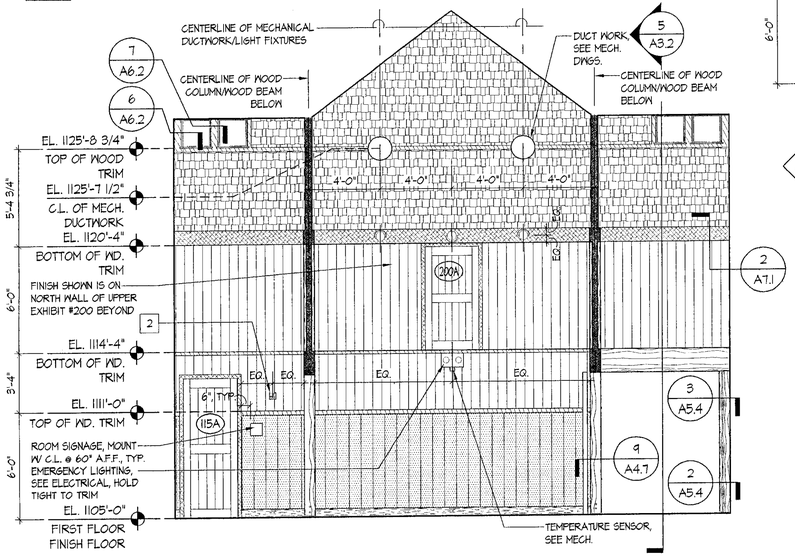
1. FIRE ALARM VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
2. FIRE ALARM COMBINED AUDIBLE/VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
3. SECURITY CAMERA PER ELEC. DRAWINGS.
4. TEL/DATA OUTLET PER ELEC. DRAWINGS. MOUNT AT 18" AFF AT LOCATION SHOWN.
5. DUPLEX CONVENIENCE OUTLET PER ELEC. DRAWINGS. MOUNT TYPICALLY AT 18" AFF AT LOCATION SHOWN, U.O.N.
6. WALL-MOUNTED EXIT SIGN PER ELEC. DRAWINGS. MOUNT WITH BOTTOM AT 8'-4" AFF
7. FIRE ALARM MANUAL PULL STATION PER ELEC. DRAWINGS
8. ELECTRONIC COUNTER PER ELEC. DRAWINGS
9. ELECTRONIC COUNTER REFLECTOR PER ELEC. DRAWINGS
10. GFCI OUTLET PER ELEC. DRAWINGS. MOUNT AT 42" AFF AT LOCATION SHOWN.



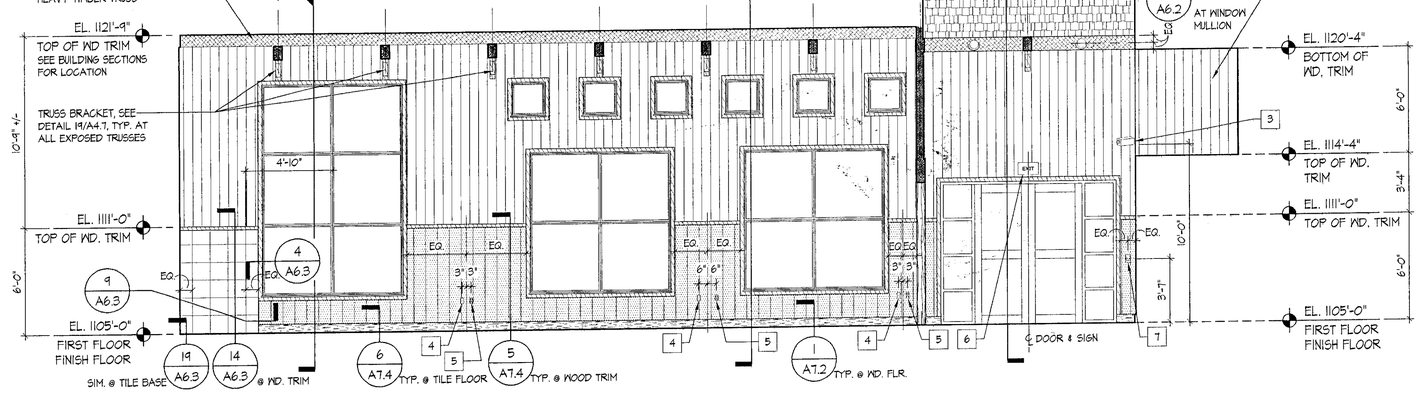
A INTERIOR ELEVATION AT EXHIBIT #101
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



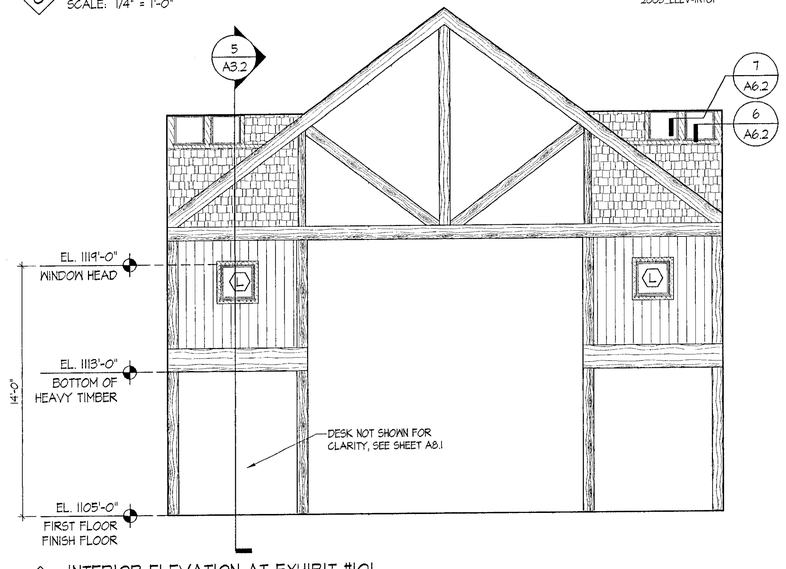
B INTERIOR ELEVATION AT EXHIBIT #101
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



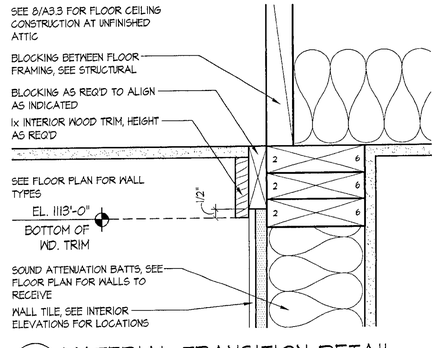
C INTERIOR ELEVATION AT EXHIBIT #101
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



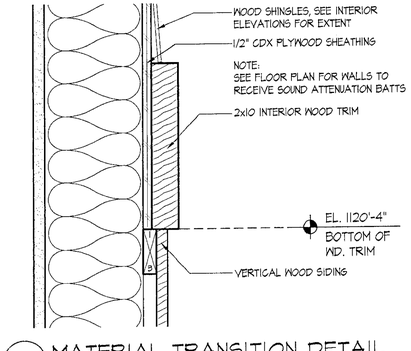
D INTERIOR ELEVATION AT EXHIBIT #101
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



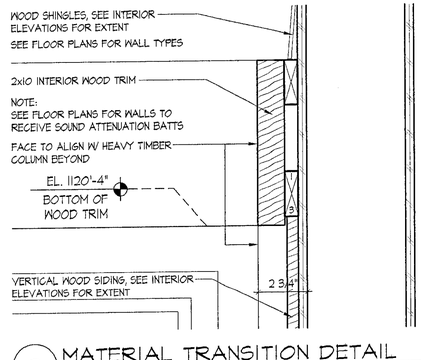
E INTERIOR ELEVATION AT EXHIBIT #101
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



1 MATERIAL TRANSITION DETAIL
SCALE: 3" = 1'-0" 2003_B504



2 MATERIAL TRANSITION DETAIL
SCALE: 3" = 1'-0" 2003_B506



3 MATERIAL TRANSITION DETAIL
SCALE: 3" = 1'-0" 2003_B506

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DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

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CHECKED: HS
PROJECT NO: 2003

INTERIOR ELEVATIONS PUBLIC AREAS

A7.1

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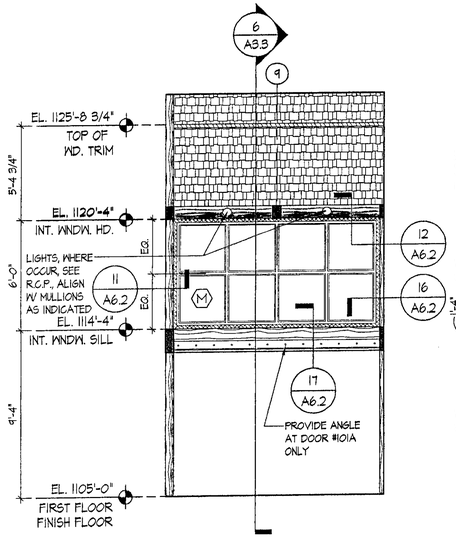
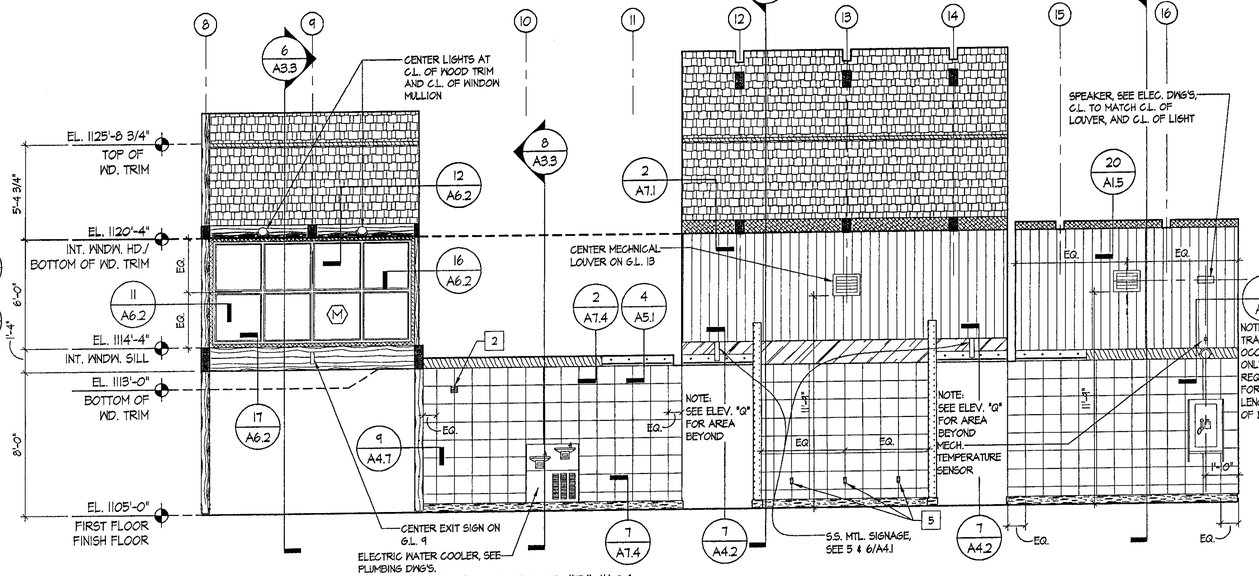
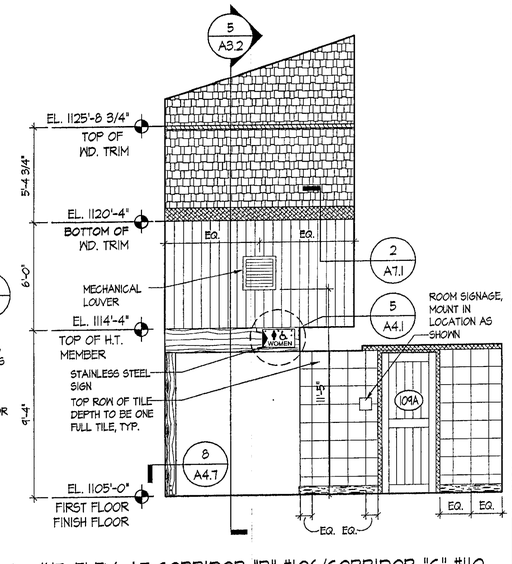
NOTE: SEE SHEET A7.1 FOR INTERIOR ELEVATION LEGEND



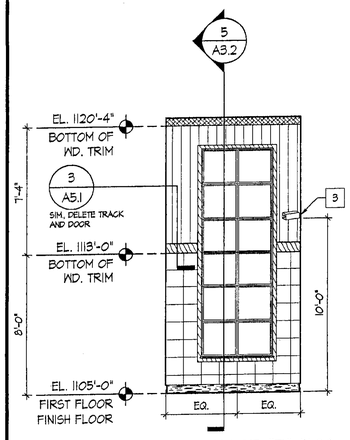
F INTERIOR ELEVATION AT EXHIBIT #101/CORRIDOR "B" #106
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



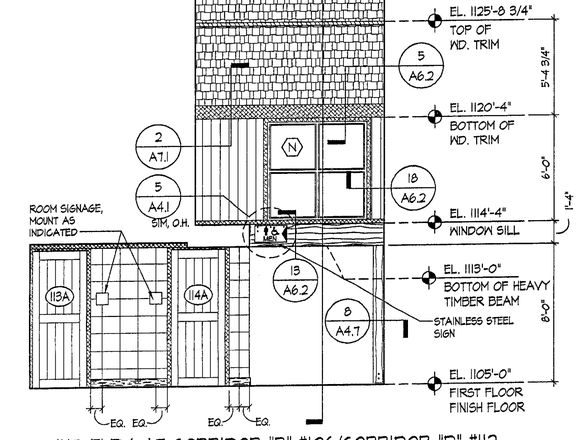
H INTERIOR ELEVATION AT EXHIBIT #101 / CORRIDOR "B" #106
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



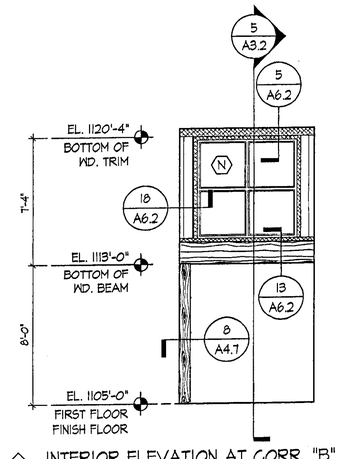
J INT. ELEV. AT CORRIDOR "B" #106/CORRIDOR "C" #110
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



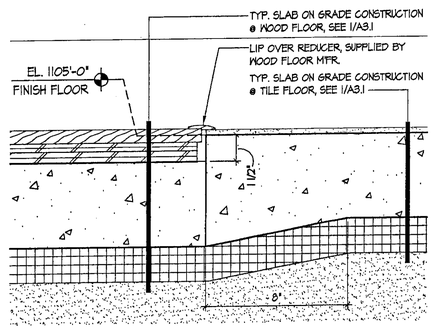
K INT. ELEV. AT CORRIDOR "B" #106
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



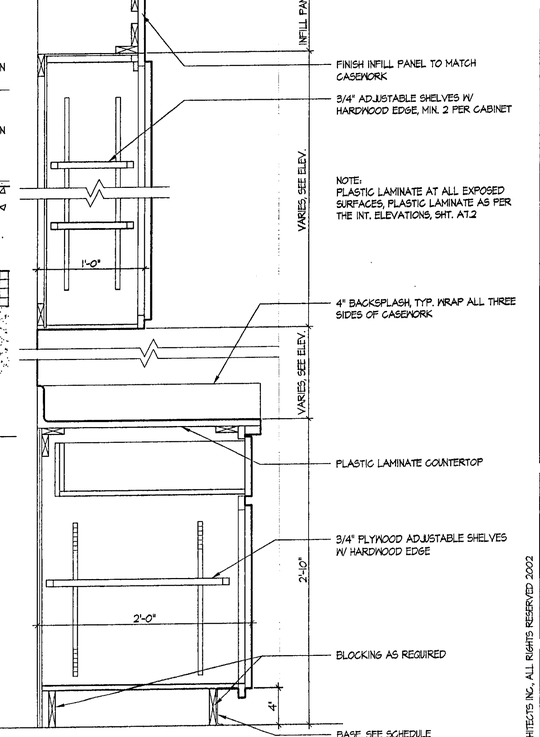
L INT. ELEV. AT CORRIDOR "B" #106/CORRIDOR "D" #112
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



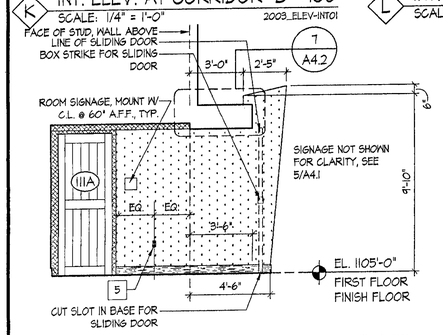
M INTERIOR ELEVATION AT CORR. "B" #106
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



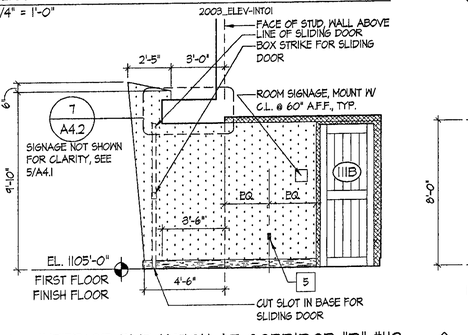
3 FLOOR TRANSITION DETAIL
SCALE: 3" = 1'-0" DTL-ARCH05



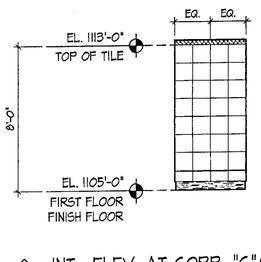
2 SECTION @ KITCHEN CABINETS
SCALE: 1 1/2" = 1'=0" 2003_DTL-WR01



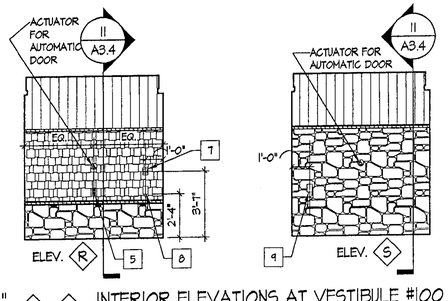
N INTERIOR ELEVATION AT CORRIDOR "C" #110
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



P INTERIOR ELEVATION AT CORRIDOR "D" #112
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



Q INT. ELEV. AT CORR. "C"/"D"
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01



R S INTERIOR ELEVATIONS AT VESTIBULE #100
SCALE: 1/4" = 1'-0" 2003_ELEV-INT01

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INTERIOR ELEVATIONS PUBLIC AREAS

A7.2

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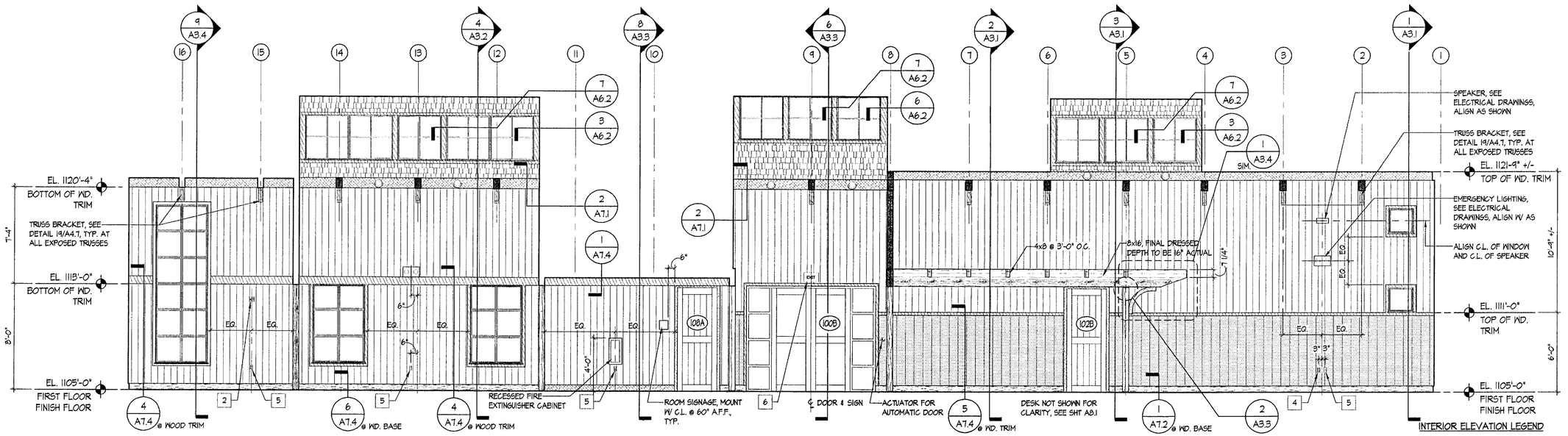
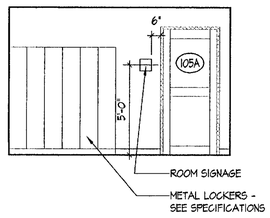
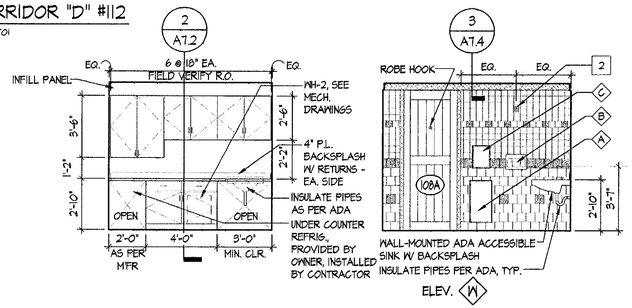


T INT. ELEV. AT CORRIDOR "B" #106/CORRIDOR "D" #112

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

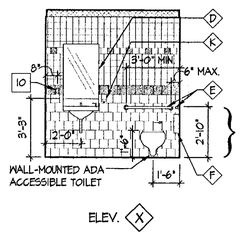
2003_ELEV-INT01



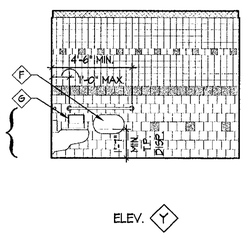


ELEV. W

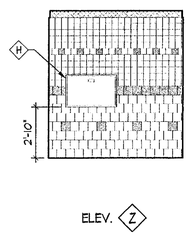
ELEV. X



ELEV. Y



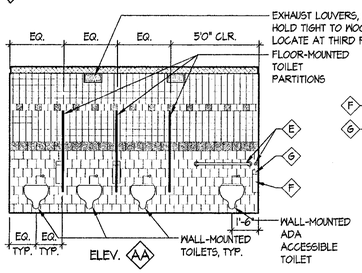
ELEV. Z



U INTERIOR ELEV. AT CORR. 'A' #102

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

2003_ELEV-INT02

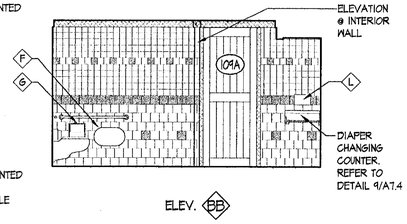


ELEV. AA

V INTERIOR ELEVATION AT STAFF #105

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

2003_ELEV-INT02

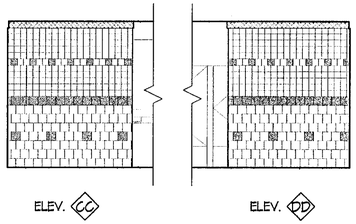


ELEV. BB

W X Y Z INTERIOR ELEVATIONS AT FAMILY REST ROOM #108

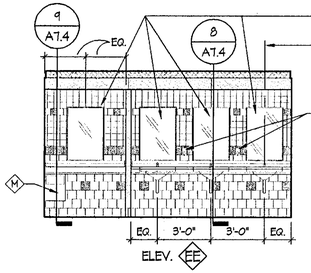
SCALE: 1/4" = 1'-0"

2003_ELEV-INT02

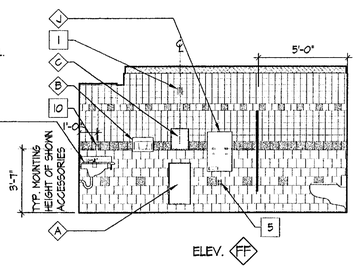


ELEV. CC

ELEV. DD



ELEV. EE

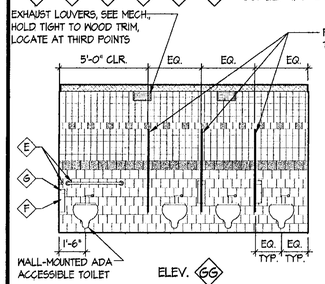


ELEV. FF

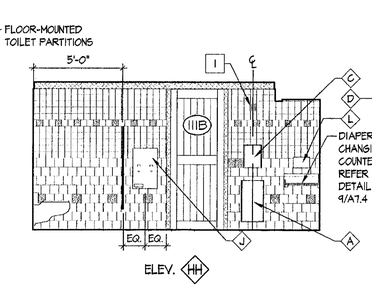
AA BB CC DD EE FF INTERIOR ELEVATIONS AT WOMEN'S REST ROOM #109

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

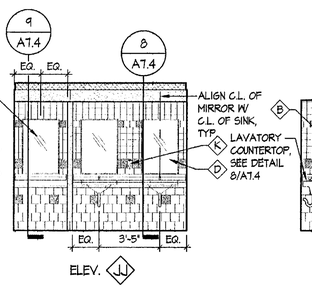
2003_ELEV-INT02



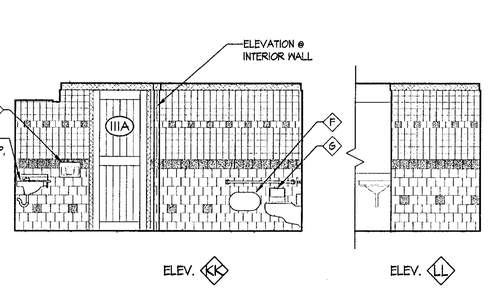
ELEV. GG



ELEV. HH



ELEV. JJ



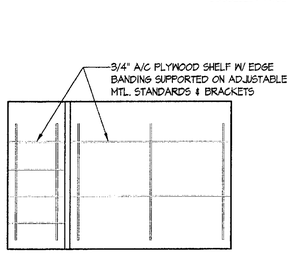
ELEV. KK

ELEV. LL

GG HH JJ KK LL INTERIOR ELEVATION AT FLEX #111

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

2003_ELEV-INT02



MM INTERIOR ELEVATION AT JANITOR #114

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

2003_ELEV-INT02

INTERIOR ELEVATION LEGEND

- VERT. WOOD SIDING, TRANSPARENT STAIN
- VERTICAL WD. PANELING
- WOOD SHINGLES, TRANSPARENT STAIN
- HEAVY TIMBER STRUCTURAL MEMBERS
- STAINLESS STEEL METAL FASCIA
- E.I.F.S. FINISH SYSTEM W/ ARMOR MAT OVER FIBERGLASS SHEATHING
- PORCELAIN TILE
- 1/4" SOLID SURFACING SHEETS
- JOINT
- WOOD BASE, TO MATCH WOOD FLOORING
- WOOD TRIM TO BE PAINTED
- WOOD TRIM TO RECIEVE TRANSPARANT STAIN
- 6x6 C.T. BASE, COLOR 3
- WALL SCONCE, ORIENT AS INDICATED, SEE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.

NOTE: SEE EXTERIOR ELEVATIONS FOR WINDOWS ON EXT. OF BUILDING

1. FIRE ALARM VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
2. FIRE ALARM COMBINED AUDIBLE/VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
3. SECURITY CAMERA PER ELEC. DRAWINGS.
4. TEL/DATA OUTLET PER ELEC. DRAWINGS. MOUNT AT 18" AFF AT LOCATION SHOWN.
5. DUPLEX CONVENIENCE OUTLET PER ELEC. DRAWINGS. MOUNT TYPICALLY AT 18" AFF AT LOCATION SHOWN, U.O.N.
6. WALL-MOUNTED EXIT SIGN PER ELEC. DRAWINGS. MOUNT WITH BOTTOM AT 8'-4" AFF
7. FIRE ALARM MANUAL PULL STATION PER ELEC. DRAWINGS
8. ELECTRONIC COUNTER PER ELEC. DRAWINGS
9. ELECTRONIC COUNTER REFLECTOR PER ELEC. DRAWINGS
10. GFCI OUTLET PER ELEC. DRAWINGS. MOUNT AT 42" AFF AT LOCATION SHOWN.

NOTE: SEE SHEET A7.4 FOR TOILET ACCESSORIES LEGEND AND CERAMIC TILE LAYOUT

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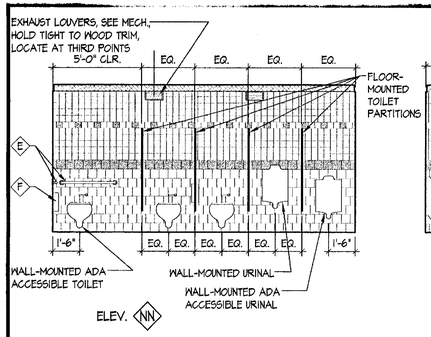
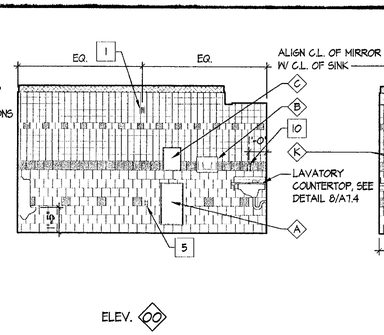
INTERIOR ELEVATIONS PUBLIC AREAS AND RESTROOMS

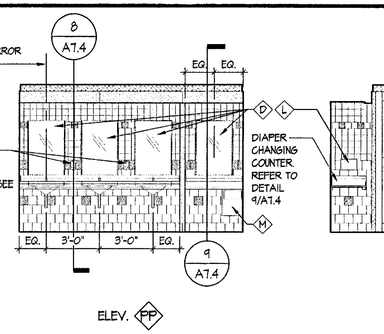
A7.3



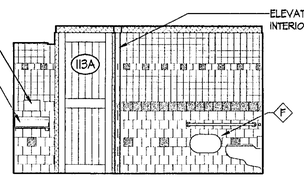
ELEV. NN



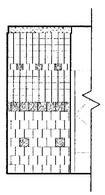
ELEV. OO



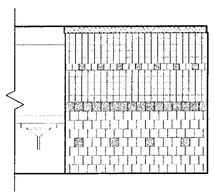
ELEV. PP



ELEV. QQ



ELEV. RR

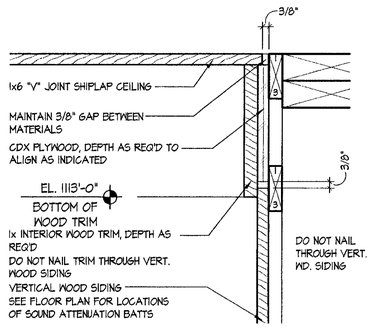


ELEV. SS

NN OO PP QQ RR SS INTERIOR ELEVATION AT MEN'S #113

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

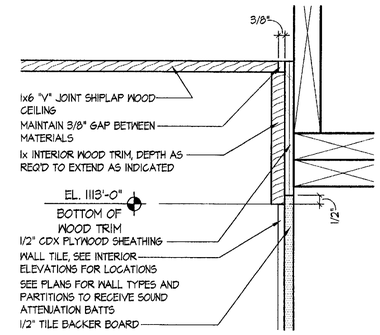
2003_ELEV-INT02



1 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0"

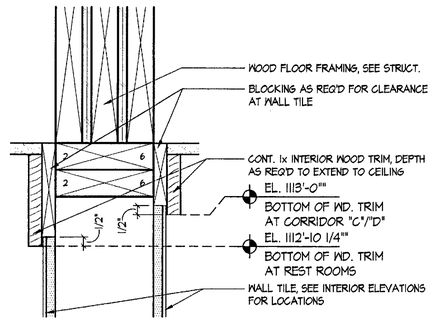
2003_DTL-INT01



2 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0"

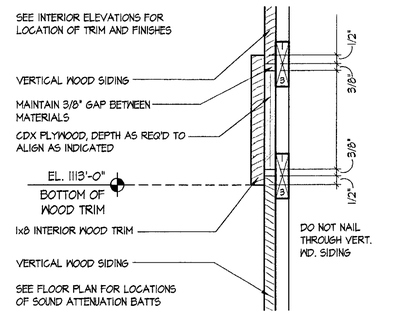
2003_DTL-INT01



3 INTERIOR CEILING DETAIL

SCALE: 3" = 1'-0"

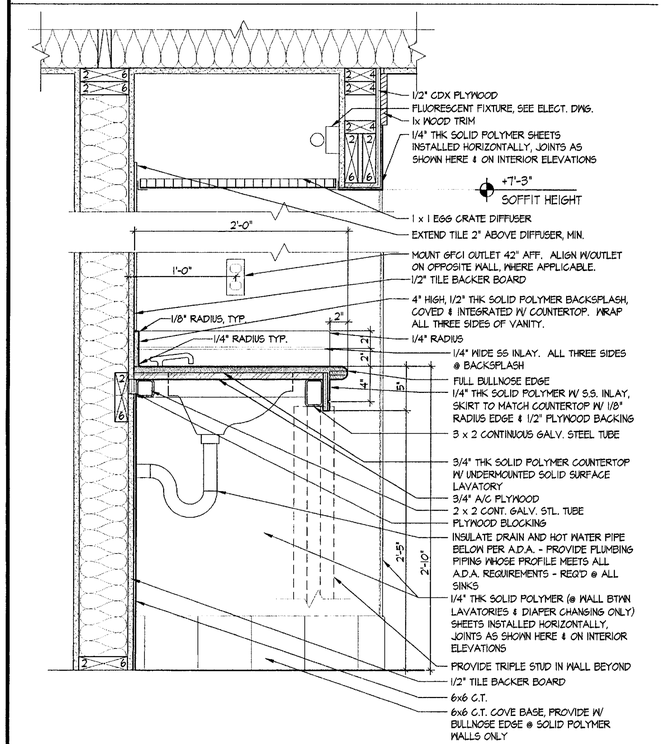
2003_DTL-INT01



4 INTERIOR TRIM DETAIL

SCALE: 3" = 1'-0"

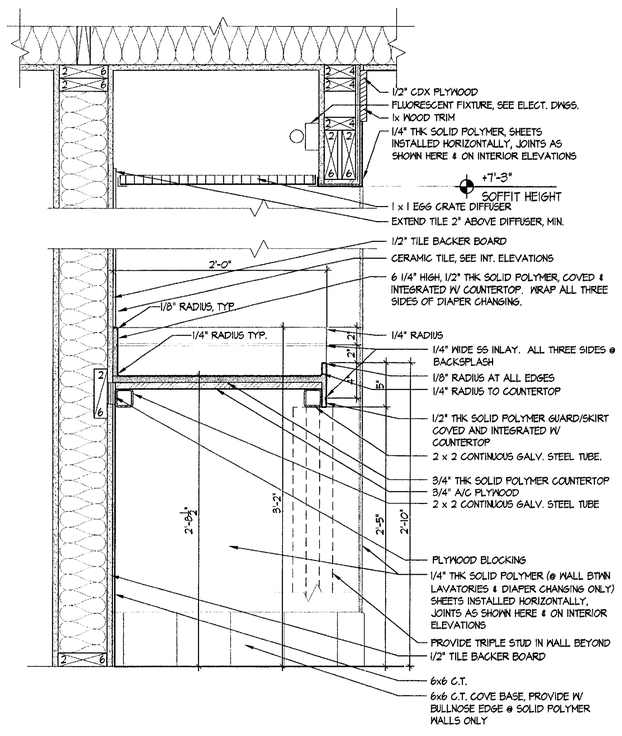
2003_DTL-INT01



8 WASHROOM LAVATORY COUNTER & SOFFIT DETAILS

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

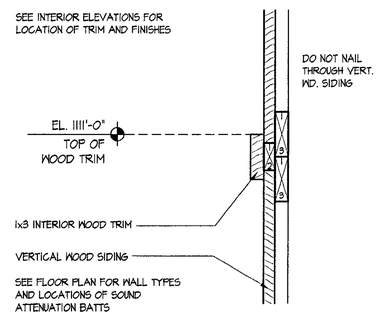
DTL-WR01



9 DIAPER CHANGING COUNTER & SOFFIT DETAILS

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

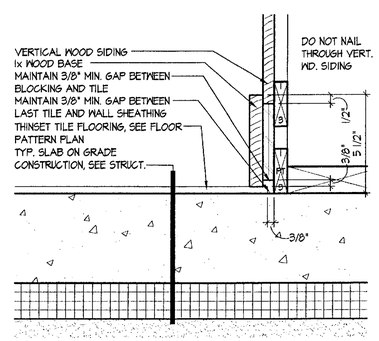
DTL-WR01



5 INTERIOR TRIM DETAIL

SCALE: 3" = 1'-0"

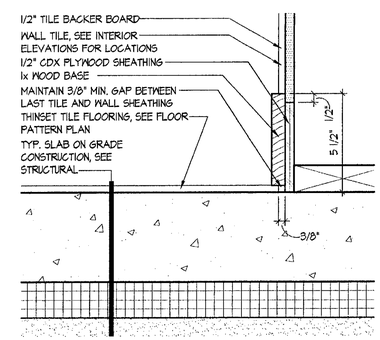
2003_DTL-INT01



6 INT. BASE DETAIL TYP. @ C.T. FLR.

SCALE: 3" = 1'-0"

2003_DTL-INT01



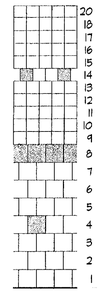
7 INTERIOR BASE DETAIL

SCALE: 3" = 1'-0"

2003_DTL-INT01

CERAMIC TILE LAYOUT

NOT TO SCALE



COURSES #15-20, 4x4 C.T. COLOR 1, STACK BOND

COURSE #14, 4x4 C.T. COLOR 1, RUNNING BOND, EVERY THIRD TILE COLOR 2

COURSES #9-11, 4x4 C.T. COLOR 1, STACK BOND

COURSE #8, 6x6 C.T. COLOR 2, RUNNING BOND

COURSES #5-7, 6x6 C.T. COLOR 3, RUNNING BOND

COURSE #4, 6x6 C.T. COLOR 3, RUNNING BOND, EVERY FOURTH TILE COLOR 2 WHERE SHOWN

COURSES #2-3, 6x6 C.T. COLOR 3, RUNNING BOND

COURSE #1, 6x6 C.T. COLOR 3, RUNNING BOND, COVE TILE FINISH FLOOR

ACCESSORIES LEGEND

- A WASTE DISPOSAL
- B ELECTRIC HAND DRYER
- C ROLL TOWEL DISPENSER
- D WALL MOUNTED MIRROR
- E STAINLESS STEEL GRAB BARS
- F TOILET PAPER HOLDER
- G NAPKIN DISPOSAL
- H WALL-MOUNTED, RECESSED, BABY CHANGING STATION
- J RECESSED NAPKIN/TAMPON VENDOR
- K WALL-MOUNTED SOAP DISPENSER
- L BABY CHANGING LINER DISPENSER
- M UNDER COUNTER WASTE DISPOSAL

INTERIOR ELEVATION LEGEND

- VERT. WOOD SIDING, TRANSPARENT STAIN
- VERTICAL WD. PANELING
- WOOD SHINGLES, TRANSPARENT STAIN
- HEAVY TIMBER STRUCTURAL MEMBERS
- STAINLESS STEEL METAL FASCIA
- E.I.F.S. FINISH SYSTEM W/ ARMOR MAT OVER FIBERGLASS SHEATHING
- PORCELAIN TILE
- 1/4" SOLID SURFACING SHEETS
  JOINT
- WOOD BASE, TO MATCH WOOD FLOORING
- WOOD TRIM TO BE PAINTED
- WOOD TRIM TO RECIEVE TRANSPARANT STAIN
- 6x6 C.T. BASE, COLOR 3
- WALL SCONCE, ORIENT AS INDICATED, SEE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS.

1. FIRE ALARM VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
2. FIRE ALARM COMBINED AUDIBLE/VISUAL SIGNAL PER ELEC. DWGS. MOUNT SO BOTTOM OF STROBE LIGHT IS 6'-8" AFF IN LOCATION SHOWN.
3. SECURITY CAMERA PER ELEC. DRAWINGS.
4. TEL/DATA OUTLET PER ELEC. DRAWINGS. MOUNT AT 18" AFF AT LOCATION SHOWN.
5. DUPLEX CONVENIENCE OUTLET PER ELEC. DRAWINGS. MOUNT TYPICALLY AT 18" AFF AT LOCATION SHOWN, U.O.N.
6. WALL-MOUNTED EXIT SIGN PER ELEC. DRAWINGS. MOUNT WITH BOTTOM AT 8'-4" AFF
7. FIRE ALARM MANUAL PULL STATION PER ELEC. DRAWINGS
8. ELECTRONIC COUNTER PER ELEC. DRAWINGS
9. ELECTRONIC COUNTER REFLECTOR PER ELEC. DRAWINGS
10. GFCI OUTLET PER ELEC. DRAWINGS. MOUNT AT 42" AFF AT LOCATION SHOWN.

NOTE: SEE EXTERIOR ELEVATIONS FOR WINDOWS ON EXT. OF BUILDING

REGISTERED ARCHITECT ROBERT H. BROWN No. 1176 STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: AS NOTED
CHECKED: HS
PROJECT NO: 2003

INTERIOR ELEVATIONS - RESTROOMS SECTIONS, AND DETAILS

A7.4

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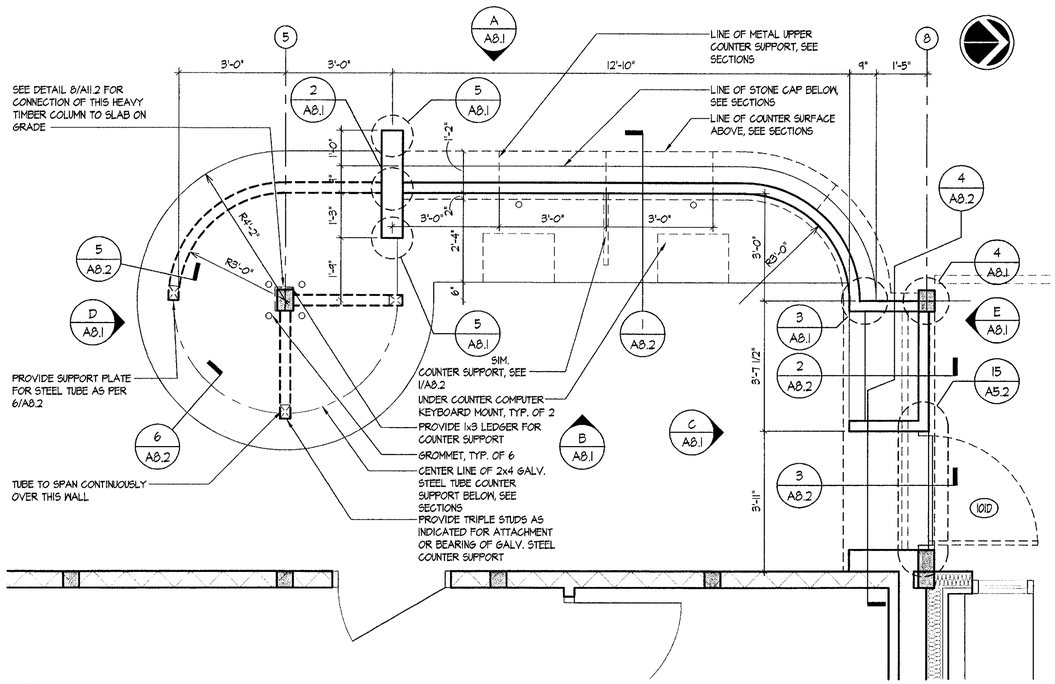
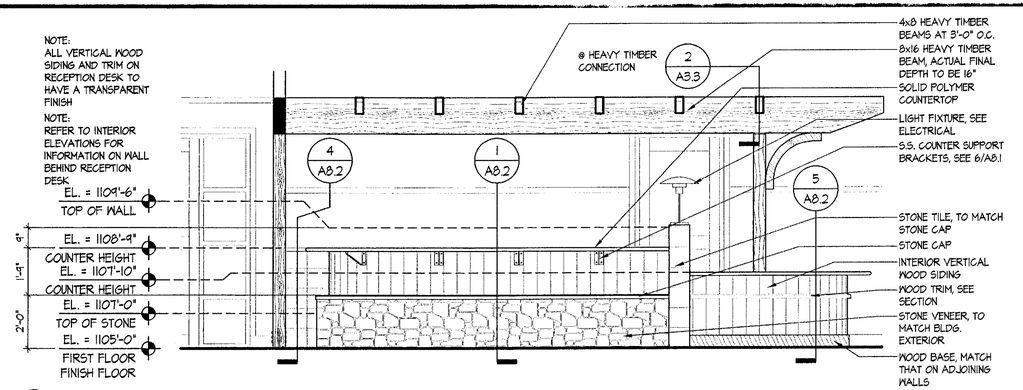


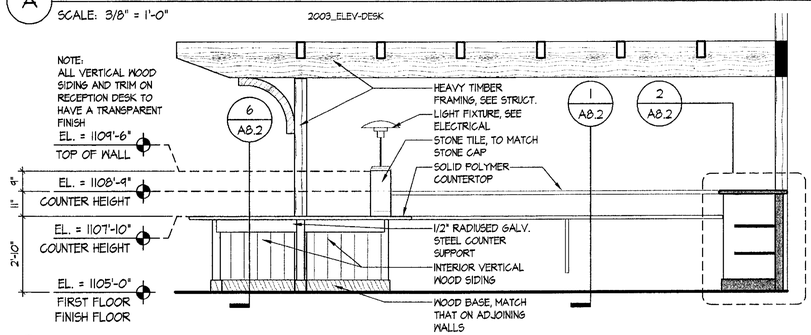
1 RECEPTION DESK PLAN

SCALE: 1/2" = 1'-0" 2003_FP01



A RECEPTION DESK ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-DESK



B RECEPTION DESK ELEVATION

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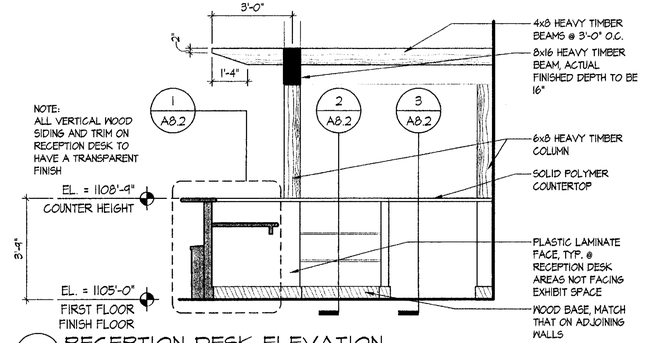
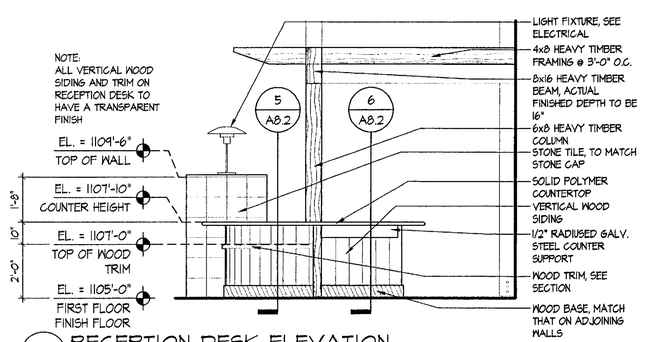


C RECEPTION DESK ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-DESK



D RECEPTION DESK ELEVATION

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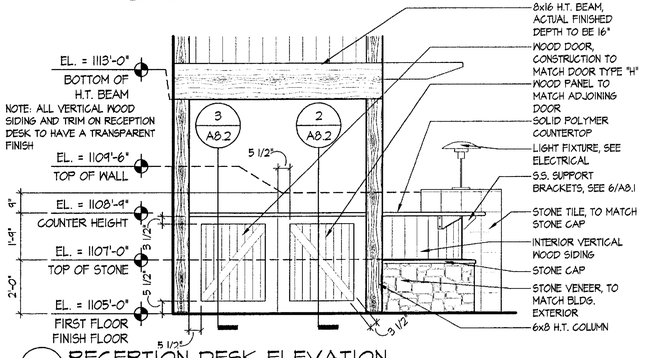

E RECEPTION DESK ELEVATION

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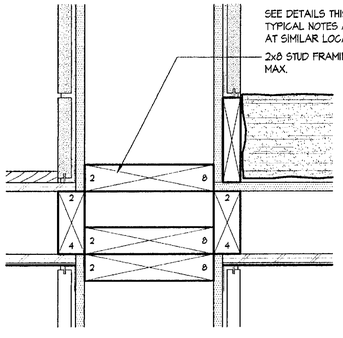
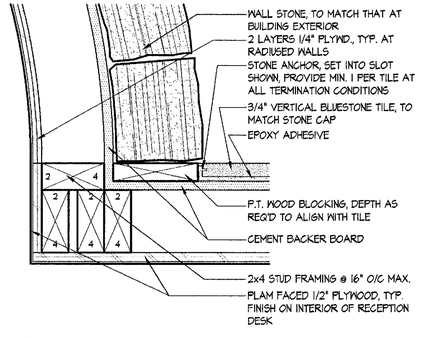


2 RECEPTION DESK DETAIL

SCALE: 3" = 1'-0" 2003_DTL-DESK01



3 RECEPTION DESK DETAIL

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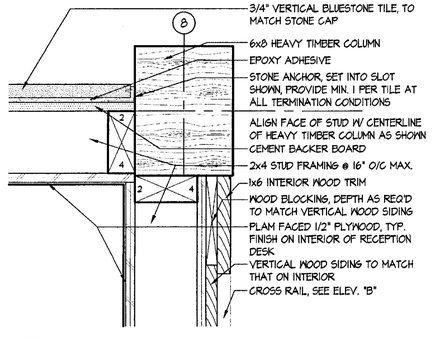
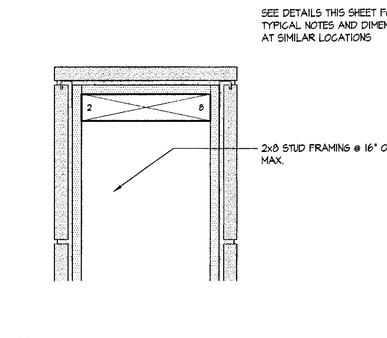


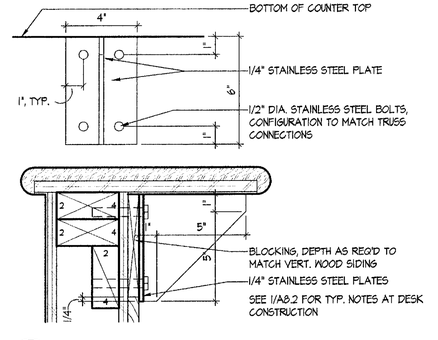
4 RECEPTION DESK DETAIL

SCALE: 3" = 1'-0" 2003_DTL-DESK01



5 TYP. STONE TILE TERMINATION DTL.

SCALE: 3" = 1'-0" 2003_DTL-DESK01



6 S.S. BRACKET DETAIL

SCALE: 3" = 1'-0" 2003_DTL-DESK01

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REGISTERED ARCHITECT ROBERT R. STRONG NO. 1276 STATE OF VERMONT

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

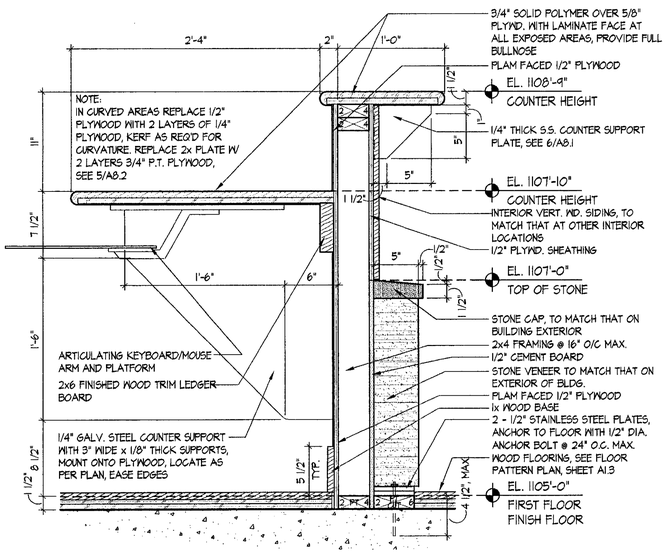
NEW FACILITY

DERBY
VERMONT

DATE:	01/07/2002
SCALE:	AS NOTED
CHECKED:	HS
PROJECT NO:	2003

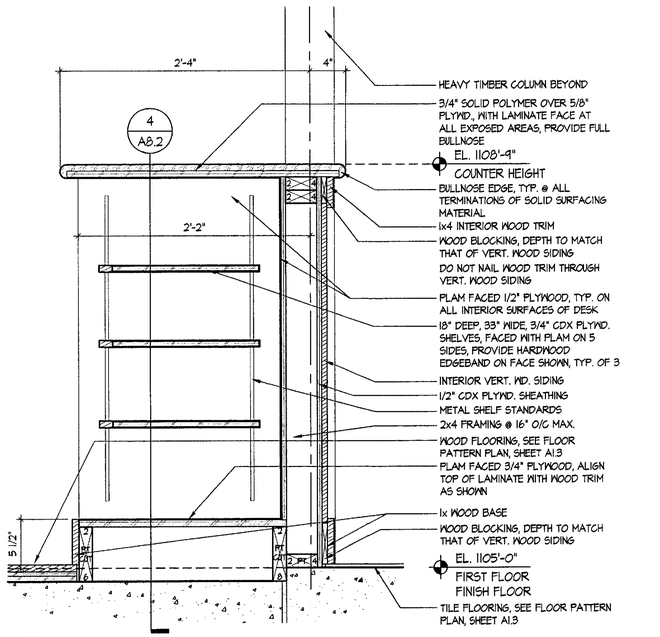
RECEPTION DESK PLAN ELEVATIONS, AND DETAILS

A8.1



1 RECEPTION DESK SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-DESK02



2 RECEPTION DESK SECTION

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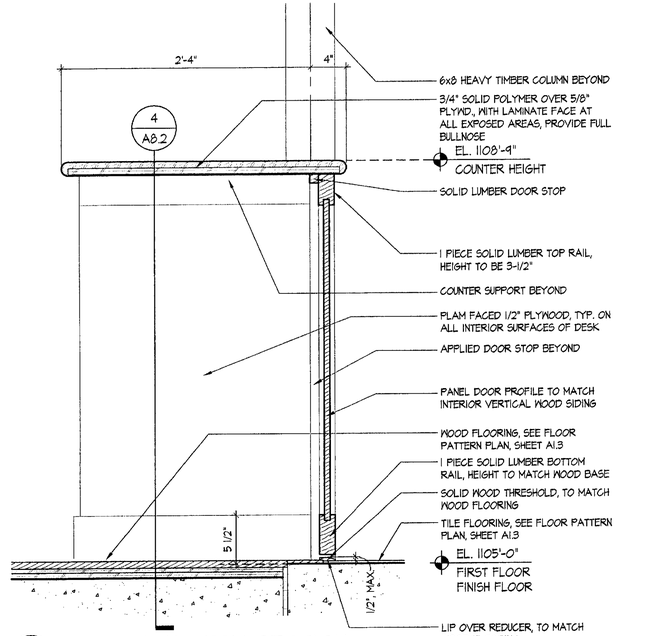
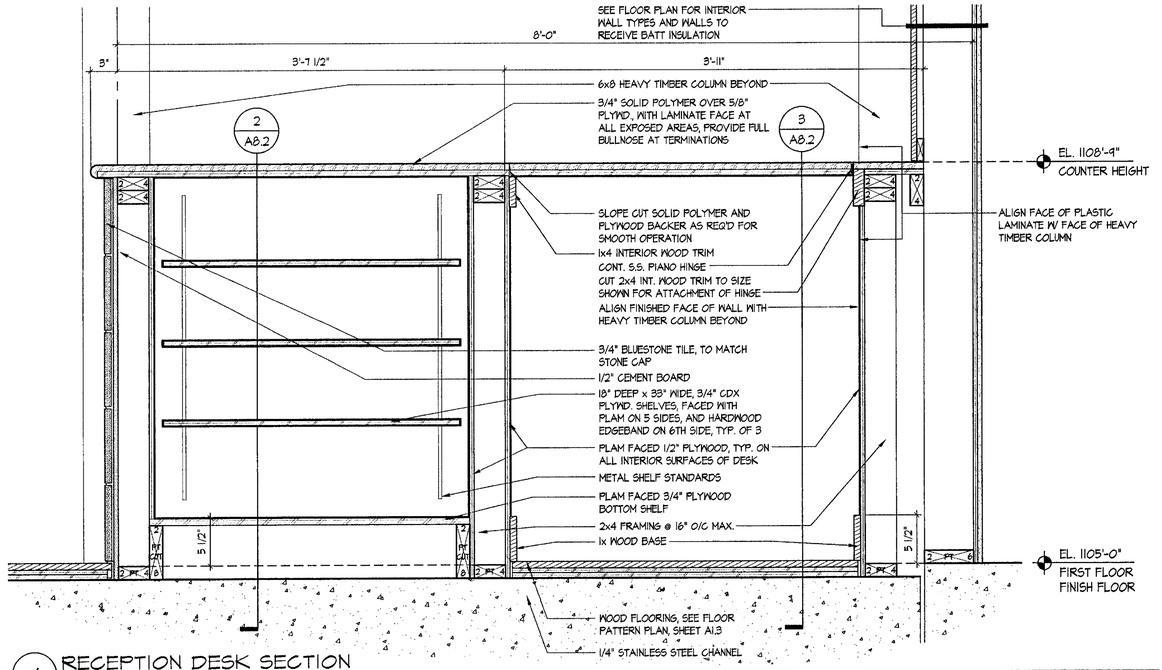


3 RECEPTION DESK SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-DESK02



4 RECEPTION DESK SECTION

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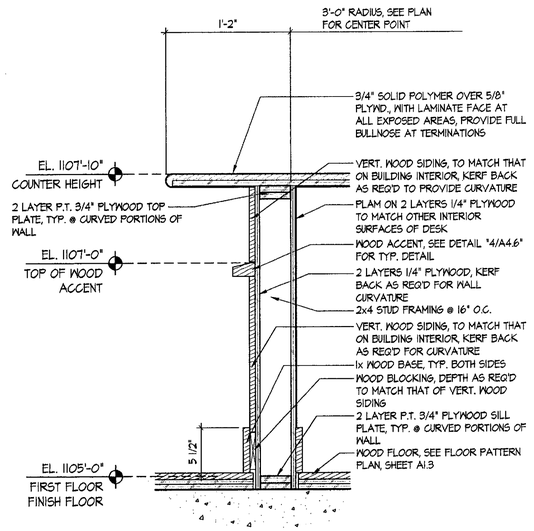
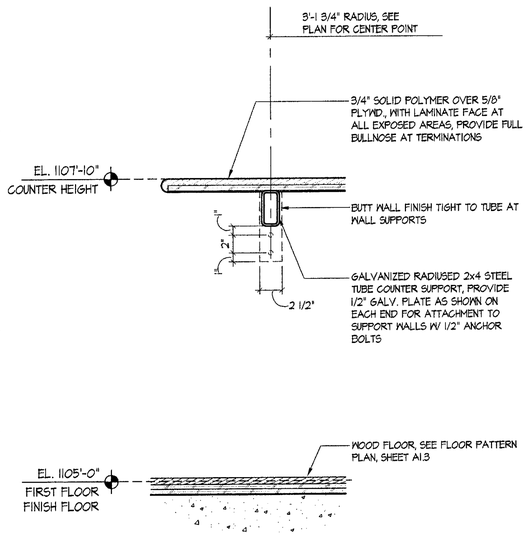


5 RECEPTION DESK SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-DESK02



6 RECEPTION DESK SECTION

SCALE: 1-1/2" = 1'-0" 2003_DTL-DESK02

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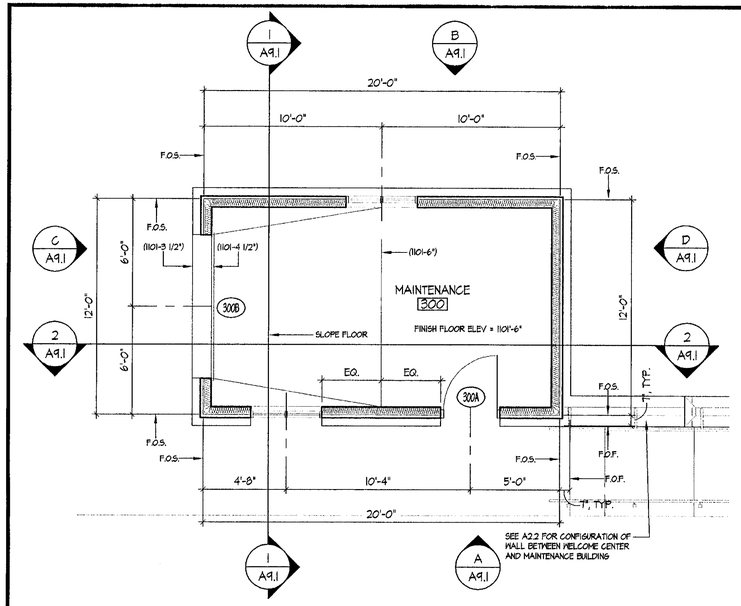
CHECKED: HS
PROJECT NO: 2003

RECEPTION DESK SECTIONS

A8.2

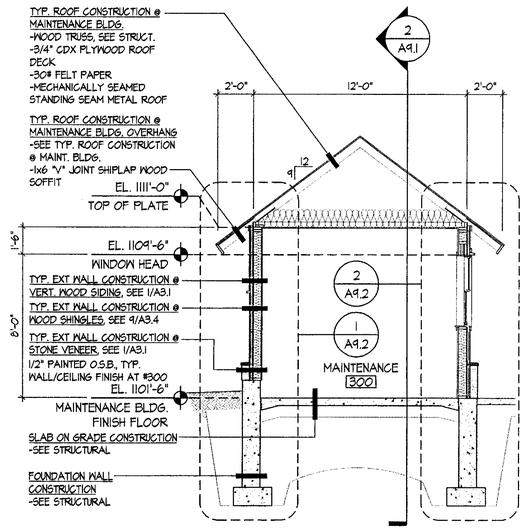


MAINTENANCE BUILDING PLAN

SCALE: 1/4" = 1'-0" 2003_FP01

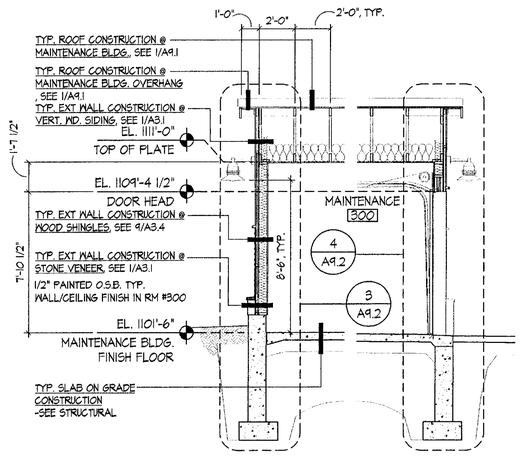
GENERAL NOTES:

1. SEE ENLARGED DETAILS NOTED FOR ALL DIMENSIONS, TYP. NOTES, WALL TYPES, AND ALL OTHER INFORMATION RELATING TO THAT AREA
2. ALL DIMENSIONS ARE TO EITHER C.L. OR FACE OF STUD, FACE OF MASONRY WALL, FACE OF CONCRETE, OR COLUMN C.L. UNLESS OTHERWISE NOTED.
3. REFER TO THIS SHEET FOR REFLECTED CEILING PLANS.
4. REFERS TO WALLS TO RECEIVE THERMAL INSULATION
5. "FE" REFERS TO LOCATIONS OF FIRE EXTINGUISHERS.
6. "FD" REFERS TO LOCATIONS OF FLOOR DRAINS.
7. "F.O.S." REFERS TO A DIMENSION TAKEN TO FACE OF STUD.
8. "F.O.F." REFERS TO A DIMENSION TAKEN TO FACE OF FOUNDATION
9. "F.O.C." REFERS TO A DIMENSION TAKEN TO FACE OF WOOD COLUMN



1 SECTION AT MAINTENANCE BLDG.

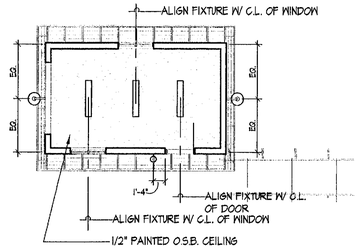
SCALE: 1/4" = 1'-0" 2003_BS09



2 SECTION AT MAINTENANCE BLDG.

SCALE: 1/4" = 1'-0" 2003_BS09A

NOTE:
SEE EXTERIOR ELEVATIONS, THIS SHEET FOR MOUNTING HEIGHTS OF EXTERIOR FIXTURES

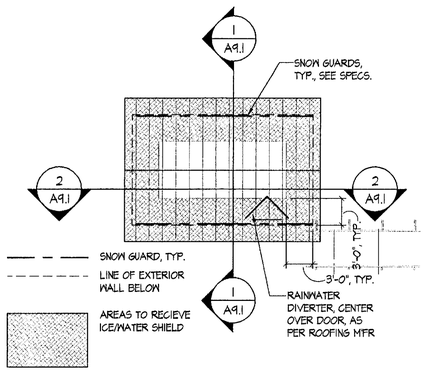


REFLECTED CEILING PLAN LIGHTING LEGEND:

- PENDANT MOUNTED FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES
- ARM MOUNTED FIXTURE ON HEAVY TIMBER TRUSS OR FRAMING, SEE ELECTRICAL DWG'S FOR TYPES
- INTERIOR SCONCE, MOUNT AS UP LIGHT, UNLESS NOTED AS "DN". SEE INTERIOR ELEVATIONS FOR LOCATION AND ELECTRICAL DWG'S FOR TYPES
- RECESSED CEILING LUMINAIRE, SEE ELECTRICAL DWG'S FOR TYPES
- WALL MOUNTED EXTERIOR FIXTURE, MOUNT AS UP LIGHT UNLESS NOTED "DN", SEE EXTERIOR ELEVATIONS FOR LOCATIONS, AND ELECTRICAL DWG'S FOR TYPES
- RECESSED INTERIOR FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES

MAINTENANCE BUILDING - REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0" 2003_FP01



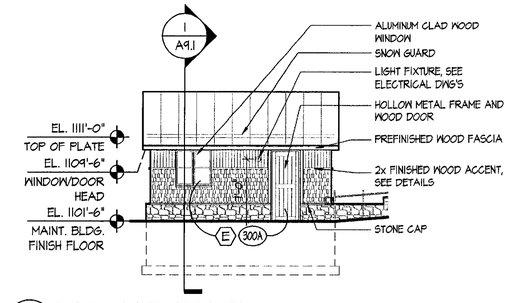
MAINTENANCE BUILDING - ROOF PLAN

SCALE: 1/4" = 1'-0" 2003_FP01

ELEVATION LEGEND

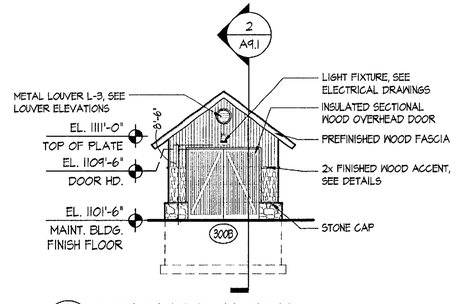
- VERTICAL WOOD SIDING, SEE SPECIFICATIONS FOR SPECIES, SIZE, AND FINISH. COLOR TO MATCH OLYMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025
- WOOD SHINGLES, SEE SPECIFICATIONS FOR SIZE, AND FINISH. N COLOR TO MATCH OLYMPIC STAINS "WINNING RED"
- STONE VENEER, SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH
- METAL STANDING SEAM ROOF, TO MATCH ENGLERT "PRE-WEATHERED GALVALUME". SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH

ALL "PREFINISHED WOOD FASCIA" TO MATCH OLUMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025.



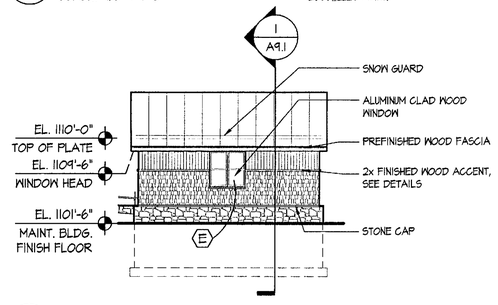
A EAST ELEVATION

SCALE: 1/8" = 1'-0" 2003_ELEV-MAINT.



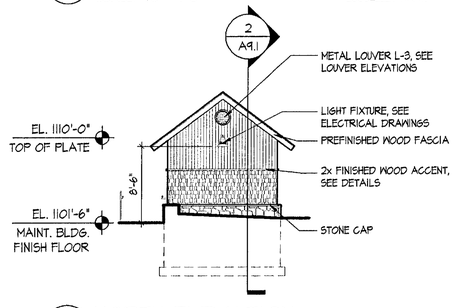
C SOUTH ELEVATION

SCALE: 1/8" = 1'-0" 2003_ELEV-MAINT.



B WEST ELEVATION

SCALE: 1/8" = 1'-0" 2003_ELEV-MAINT.



D NORTH ELEVATION

SCALE: 1/8" = 1'-0" 2003_ELEV-MAINT.

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PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE:	01/07/2002
SCALE:	AS NOTED
CHECKED:	HS
PROJECT NO:	2003

MAINTENANCE BUILDING PLAN, ELEVATIONS, AND SECTIONS

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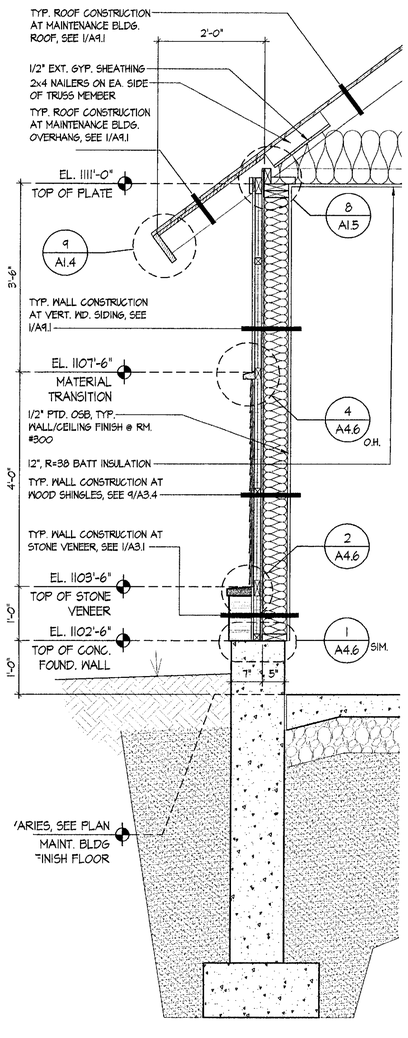
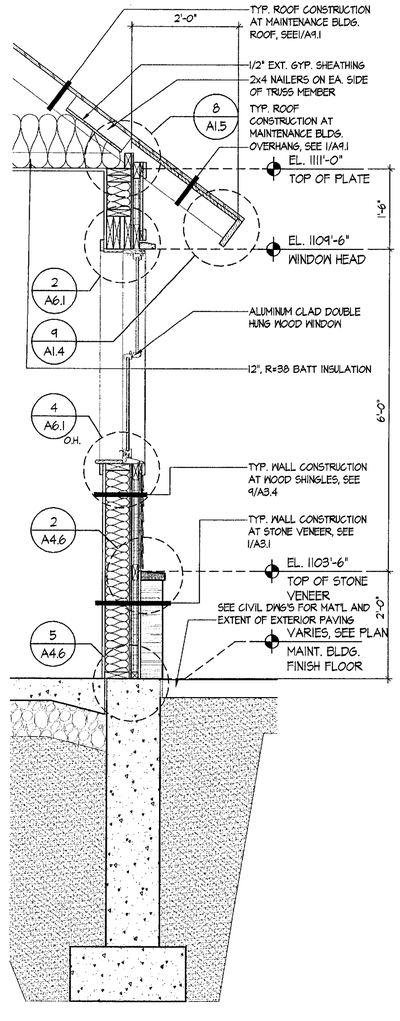
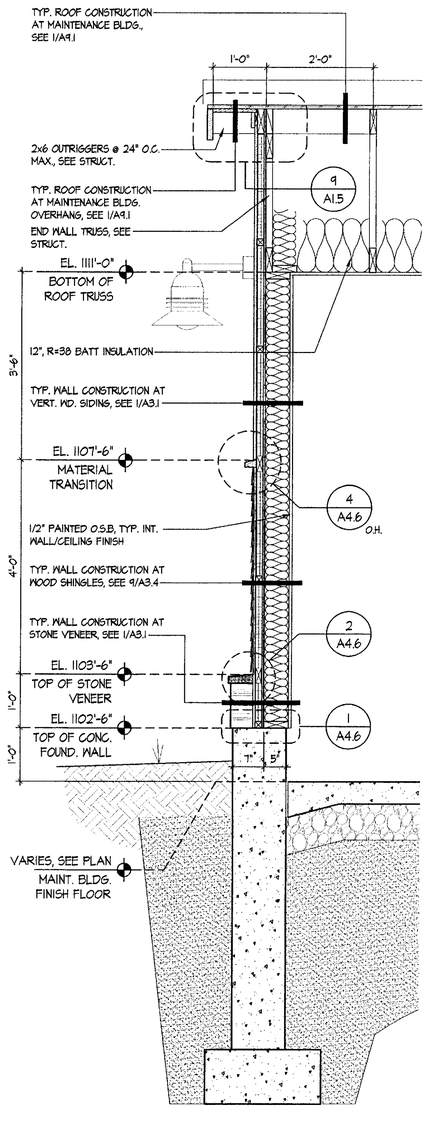
A9.1



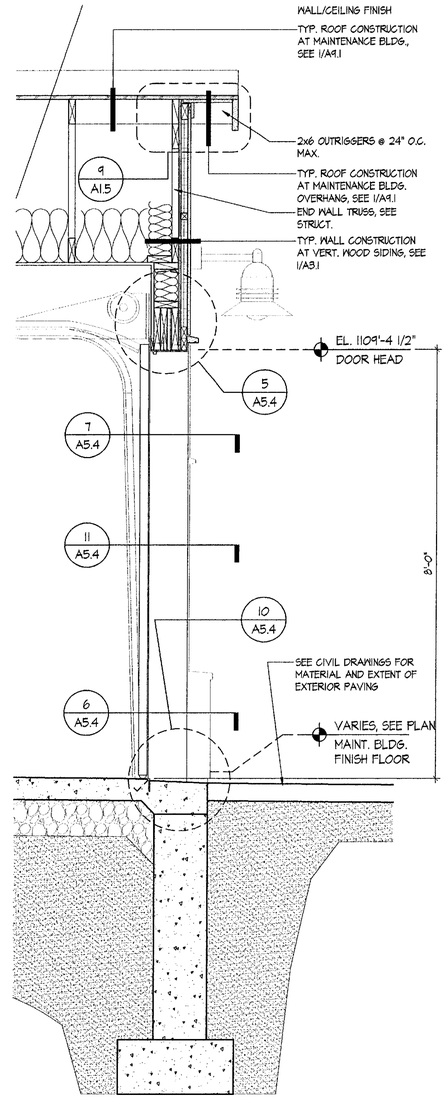
1 MAINT. BLDG. WALL SECTION
SCALE: 3/4" = 1'-0" 2003_B509



2 MAINT. BLDG. WALL SECTION
SCALE: 3/4" = 1'-0" 2003_B509



3 MAINT. BLDG. WALL SECTION
SCALE: 3/4" = 1'-0" 2003_B509A



4 MAINT. BLDG. WALL SECTION
SCALE: 3/4" = 1'-0" 2003_B509A

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CHECKED: HS
PROJECT NO: 2003

MAINTENANCE BUILDING WALL SECTIONS

A9.2

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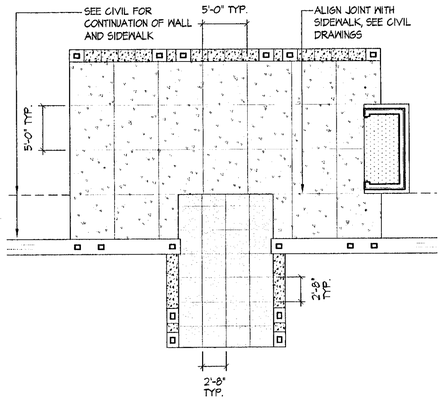
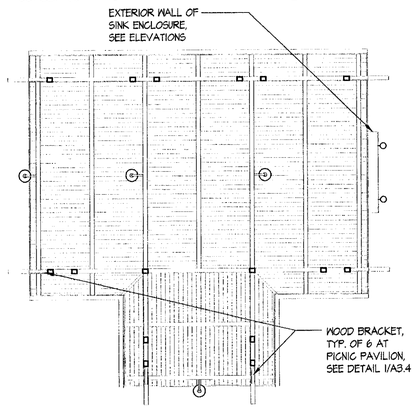


FLOOR PATTERN PLAN LEGEND

- EXPOSED AGGREGATE CONCRETE
- INTEGRALLY COLORED CONCRETE WITH EMBOSSED PATTERN
- EXPOSED SLAB ON GRADE
- PRECAST CONCRETE

PICNIC PAVILION FLOOR PATTERN PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



REFLECTED CEILING PLAN MATERIAL LEGEND:

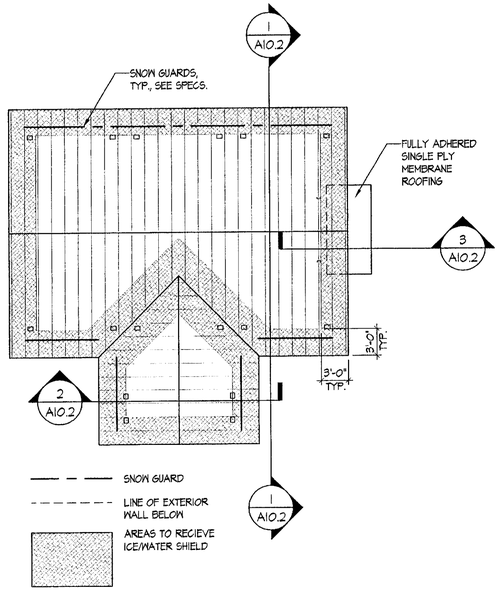
- EGGCRATE DIFFUSER
- UNDERSIDE OF STRUCTURAL DECKING, OR 1x6 V JOINT SHIPLAP, TRANSPARANT FINISH, SEE SECTIONS FOR SPECIFIC LOCATIONS
- G.W.B. CEILING, SEE FINISH SCHED. FOR LOCATIONS OF HIGH IMPACT BOARD
- G.W.B. SOFFIT, LOCATE AS PER SECTIONS, SEE FINISH SCHED. FOR LOCATIONS OF HIGH IMPACT BOARDS
- PERFORATED METAL CEILING PANELS IN SUPPORTING METAL GRID
- SUSPENDED ACCOUSTICAL PANEL CEILING
- UNDERSIDE OF S.I.P.

REFLECTED CEILING PLAN LIGHTING LEGEND:

- (D) PENDANT MOUNTED FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES
- (W) ARM MOUNTED FIXTURE ON HEAVY TIMBER TRUSS OR FRAMING, SEE ELECTRICAL DWG'S FOR TYPES
- INTERIOR SCONCE, MOUNT AS UP LIGHT, UNLESS NOTED AS "DN". SEE INTERIOR ELEVATIONS FOR LOCATION AND ELECTRICAL DWG'S FOR TYPES
- RECESSED CEILING LUMINAIRE, SEE ELECTRICAL DWG'S FOR TYPES
- WALL MOUNTED EXTERIOR FIXTURE, MOUNT AS UP LIGHT UNLESS NOTED "DN", SEE EXTERIOR ELEVATIONS FOR LOCATIONS, AND ELECTRICAL DWG'S FOR TYPES
- RECESSED INTERIOR FIXTURE, SEE ELECTRICAL DWG'S FOR TYPES

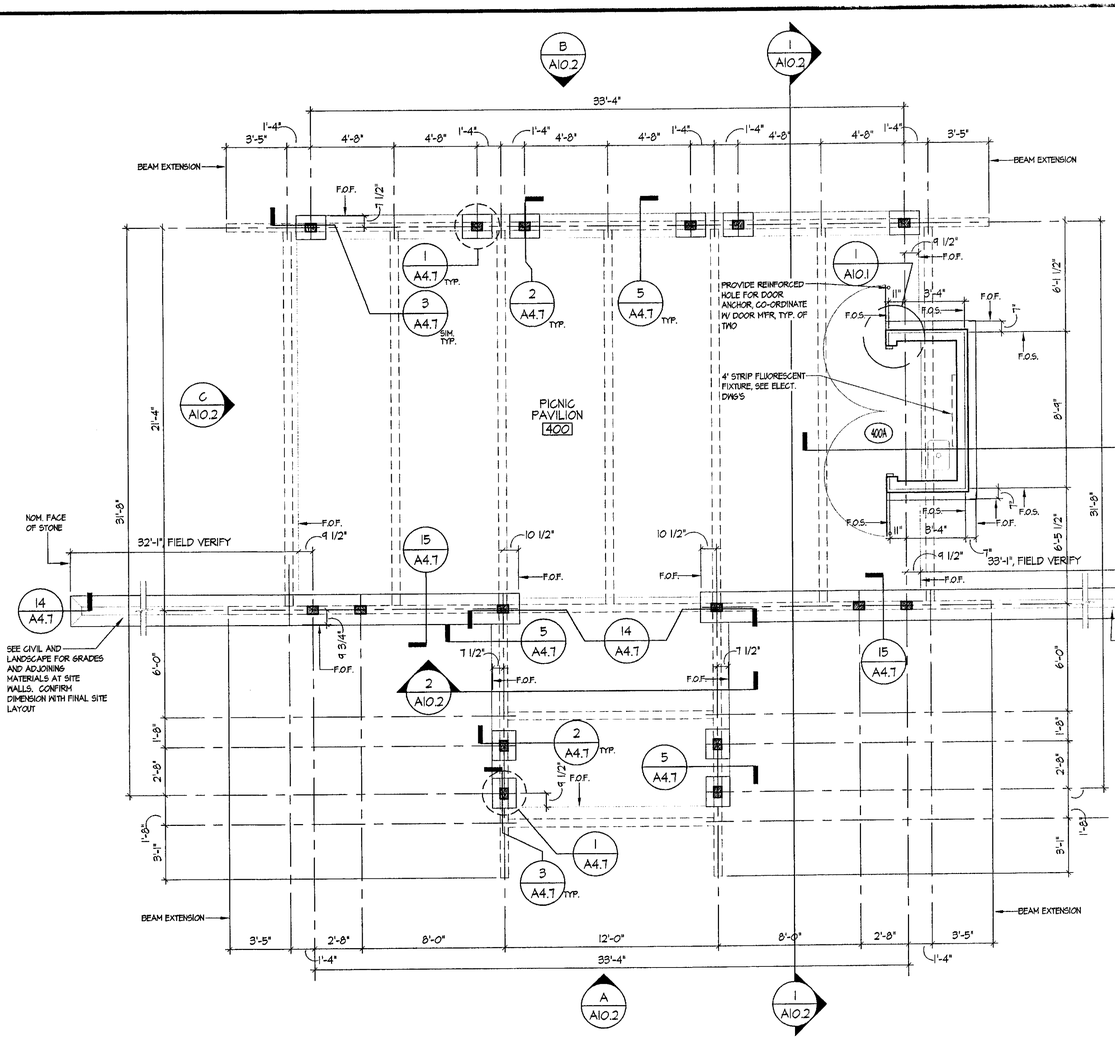
PICNIC PAVILION REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



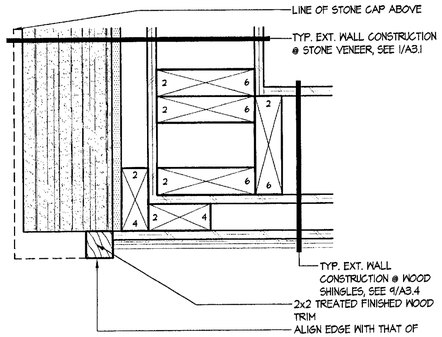
PICNIC PAVILION ROOF PLAN

SCALE: 1/8" = 1'-0" 2003_FP01



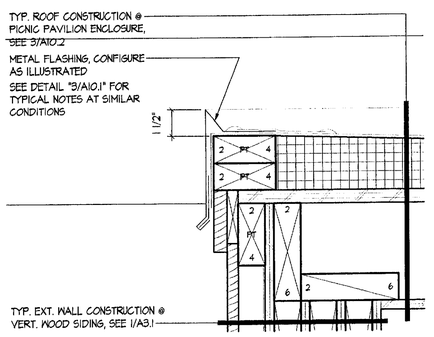
PICNIC PAVILION FLOOR PLAN

SCALE: 1/4" = 1'-0" 2003_FP01



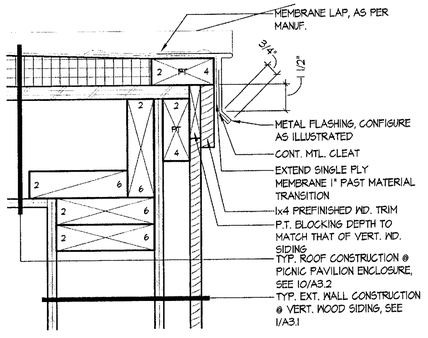
1 CORNER DETAIL @ PICNIC PAV.

SCALE: 3" = 1'-0" 2003_DTL-DR03



2 TYP. ROOF EDGE DETAIL

SCALE: 3" = 1'-0" 2003_B511



3 ROOF EDGE DETAIL AT RELIEF

SCALE: 3" = 1'-0" 2003_B511

GENERAL NOTES:

1. SEE ENLARGED DETAILS NOTED FOR ALL DIMENSIONS, TYP. NOTES, WALL TYPES, AND ALL OTHER INFORMATION RELATING TO THAT AREA
2. ALL DIMENSIONS ARE TO EITHER C.L. OR FACE OF STUD, FACE OF MASONRY WALL, FACE OF CONCRETE, OR COLUMN C.L. UNLESS OTHERWISE NOTED.
3. REFER TO SHEET A10.1 FOR REFLECTED CEILING PLANS.
4. REFER TO SHEET A10.1 FOR FLOOR FINISHES.
5. "F.O.S." REFERS TO A DIMENSION TAKEN TO FACE OF STUD.
6. "F.O.F." REFERS TO A DIMENSION TAKEN TO FACE OF FOUNDATION
7. "F.O.C." REFERS TO A DIMENSION TAKEN TO FACE OF WOOD COLUMN

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PICNIC PAVILION PLANS AND DETAILS

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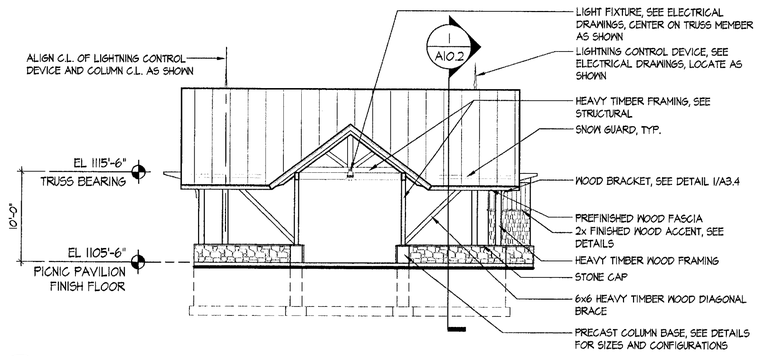
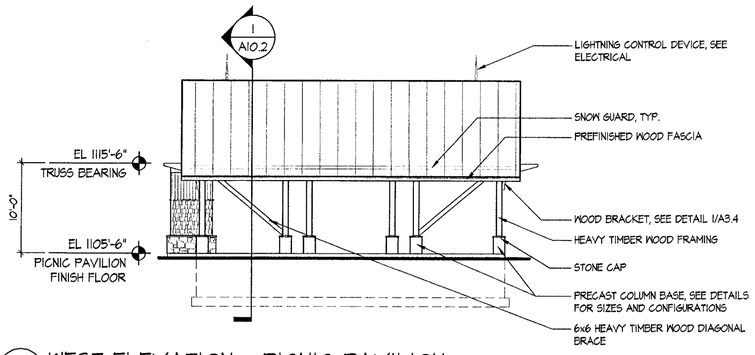
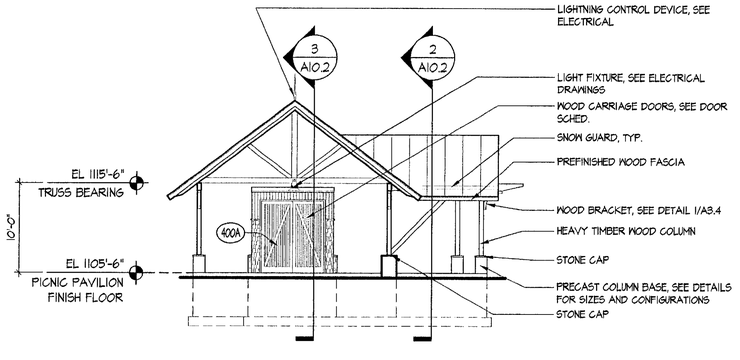


A EAST ELEVATION - PICNIC PAVILION
SCALE: 1/8" = 1'-0" 2003_ELEV-PICNIC



B WEST ELEVATION - PICNIC PAVILION
SCALE: 1/8" = 1'-0" 2003_ELEV-PICNIC



ELEVATION LEGEND

VERTICAL WOOD SIDING, SEE SPECIFICATIONS FOR SPECIES, SIZE, AND FINISH. COLOR TO MATCH OLYMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025

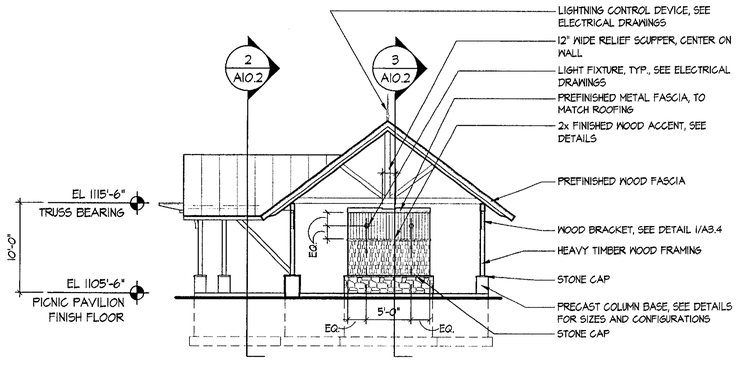
WOOD SHINGLES, SEE SPECIFICATIONS FOR SIZE, AND FINISH. N COLOR TO MATCH OLYMPIC STAINS "WINNING RED

STONE VENEER, SEE SPECIFICATIONS FOR TYPE, SIZE, AND FINISH

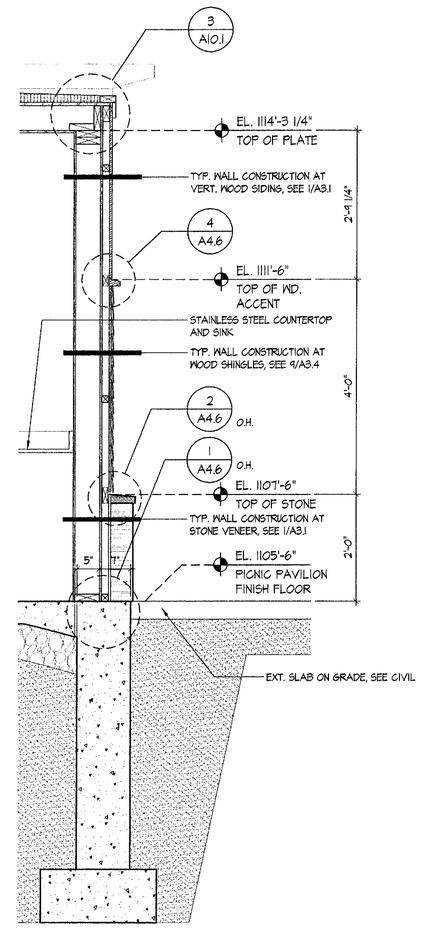
METAL STANDING SEAM ROOF, TO MATCH ENGLERT "PRE-WEATHERED GALVALUME" SEE SPECIFICATIONS FOR TYPE SIZE, AND FINISH

ALL "PREFINISHED WOOD FASCIA" TO MATCH OLUMPIC STAINS "PEWTER", CAPE COD WOOD SIDING #20025.

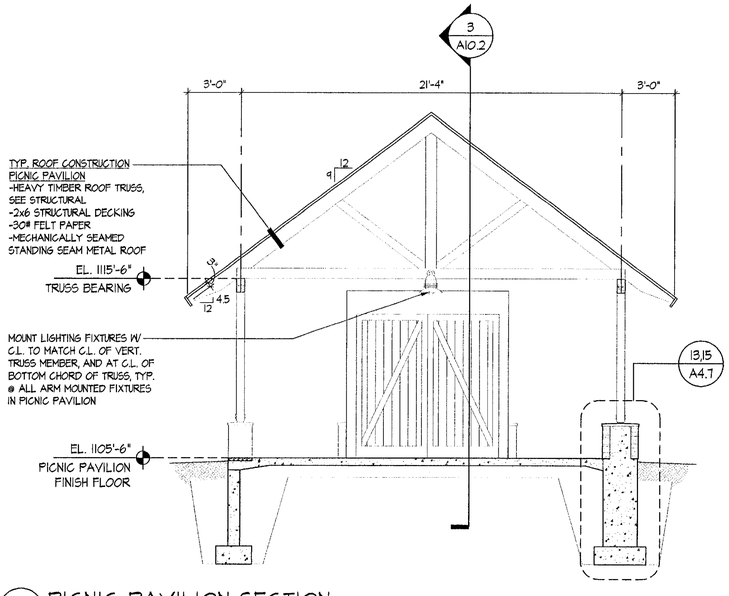
C SOUTH ELEVATION - PICNIC PAVILION
SCALE: 1/8" = 1'-0" 2003_ELEV-PICNIC



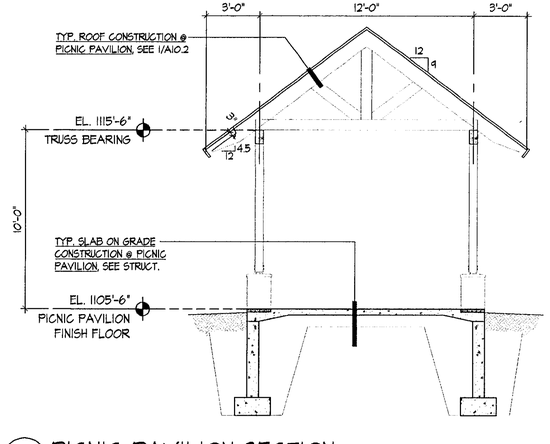
D NORTH ELEVATION - PICNIC PAVILION
SCALE: 1/8" = 1'-0" 2003_ELEV-PICNIC



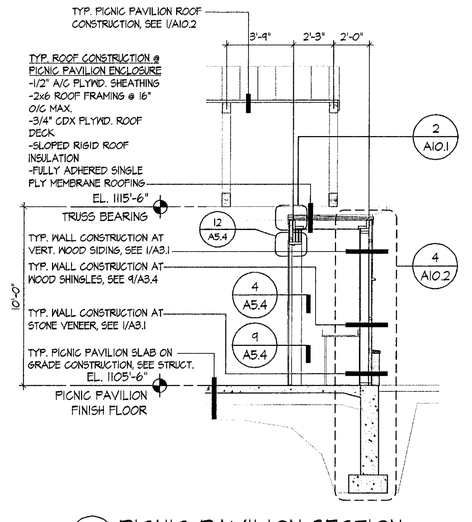
4 PICNIC PAVILION WALL SECTION
SCALE: 3/4" = 1'-0" 2003_WS09



1 PICNIC PAVILION SECTION
SCALE: 1/4" = 1'-0" 2003_BS10



2 PICNIC PAVILION SECTION
SCALE: 1/4" = 1'-0" 2003_BS12



3 PICNIC PAVILION SECTION
SCALE: 1/4" = 1'-0" 2003_BS11

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CHECKED: HS
PROJECT NO: 2003

PICNIC PAVILION ELEVATIONS, AND SECTIONS

A10.2

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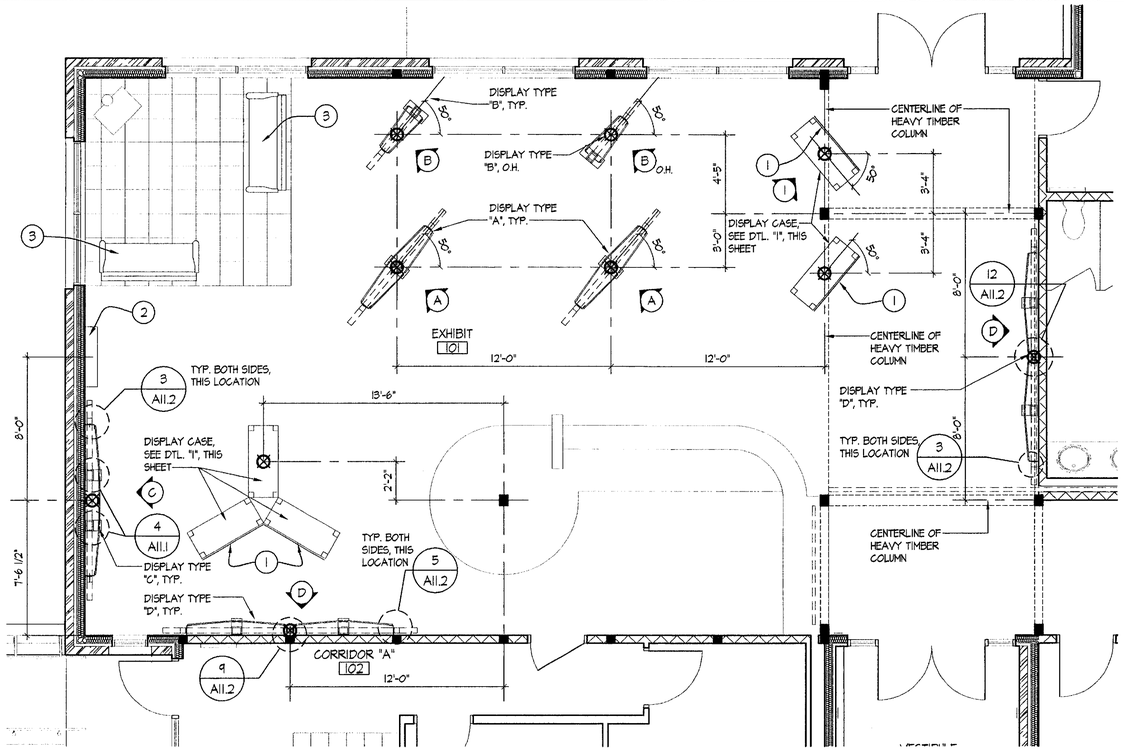
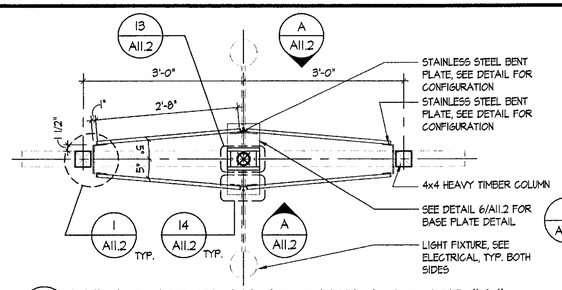


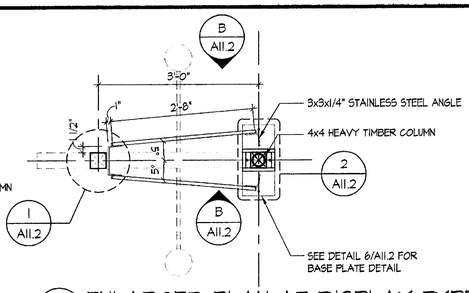
PARTIAL DISPLAY PLAN - EXHIBIT #101 AREA LAYOUT

SCALE: 1/4" = 1'-0" 2003_FP01



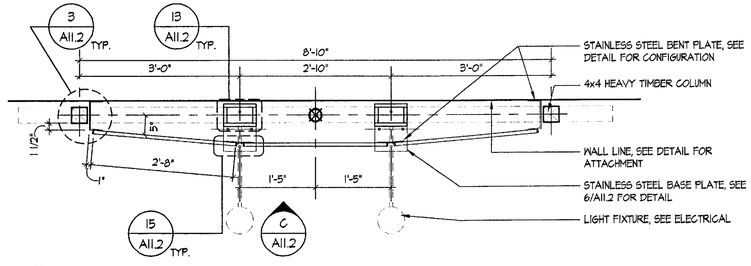
A ENLARGED PLAN AT DISPLAY TYPE "A"

SCALE: 3/4" = 1'-0" 2003_DTL-TD01



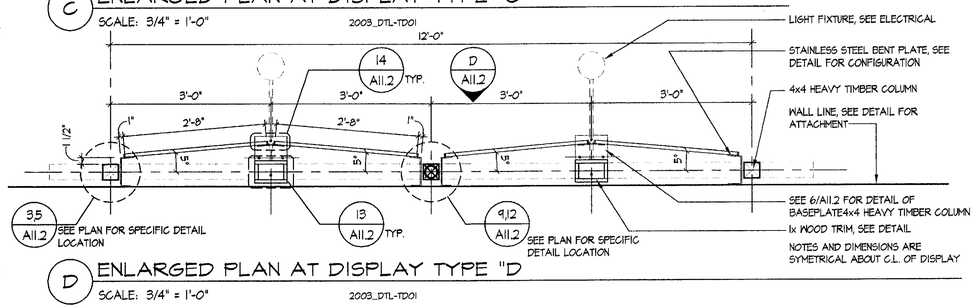
B ENLARGED PLAN AT DISPLAY TYPE "B"

SCALE: 3/4" = 1'-0" 2003_DTL-TD01



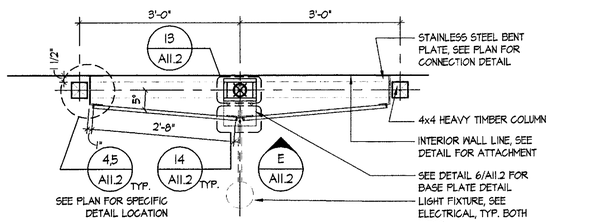
C ENLARGED PLAN AT DISPLAY TYPE "C"

SCALE: 3/4" = 1'-0" 2003_DTL-TD01



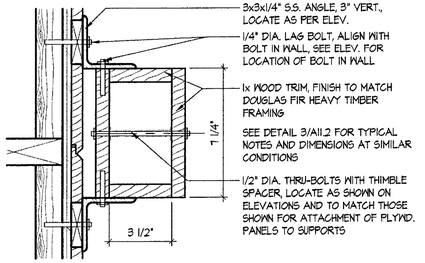
D ENLARGED PLAN AT DISPLAY TYPE "D"

SCALE: 3/4" = 1'-0" 2003_DTL-TD01



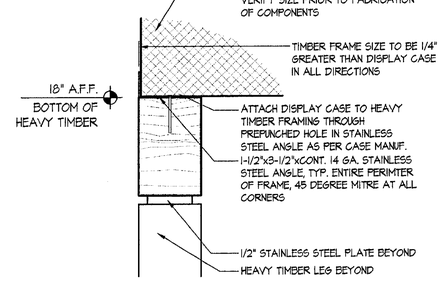
E ENLARGED PLAN AT DISPLAY TYPE "E"

SCALE: 3/4" = 1'-0" 2003_DTL-TD01



4 DISPLAY/WALL CONNECTION

SCALE: 3" = 1'-0" 2003_DTL-TD02



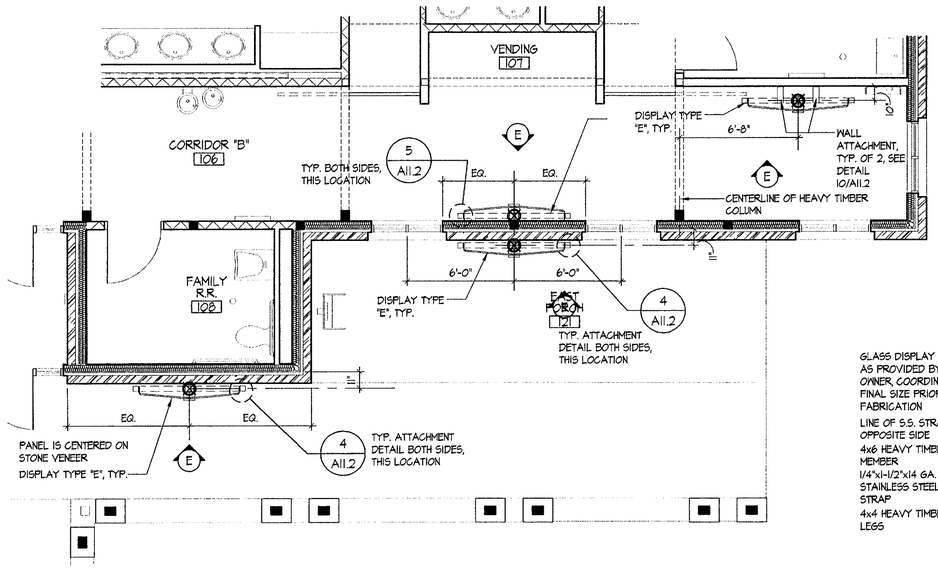
PLAN NOTES:

GENERAL:
DISPLAY CASE LAYOUT IS BASED ON A CASE SIZE OF 48" LONG x 20" DEEP x 66" HIGH, IF OWNER SUPPLIED CASE VARIES FROM THESE DIMENSIONS, CONTACT ARCHITECT TO REVISE LAYOUT AND DETAILS TO FIT SIZE SUPPLIED.

1. ATTACH 3/4" A/B DOUGLAS FIR PLYWOOD TO DISPLAY CASE ON SIDE SHOWN. PLYWOOD TO BE SIZED TO COVER ENTIRE SIDE OF CASE WITH ONE SHEET. COORDINATE WITH OWNER SUPPLIED DISPLAY CASE.

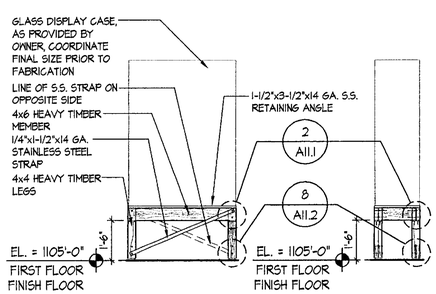
2. PLASMA SCREEN T.V., PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHT.

3. ADIRONDACK DOUBLE BENCH, AS SUPPLIED BY THE OWNER, SECURE TO FLOOR W/ MANUF. STANDARD FLOOR ANCHORS.



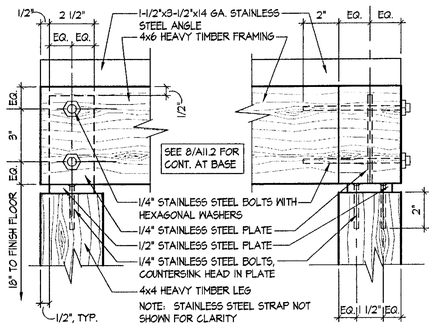
PARTIAL DISPLAY PLAN - "24 HOUR AREA" LAYOUT

SCALE: 1/4" = 1'-0" 2003_FP01



1 TYP. DISPLAY CASE ELEVATIONS

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01



2 DISPLAY CASE BASE DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02

3 DISPLAY CASE BASE DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

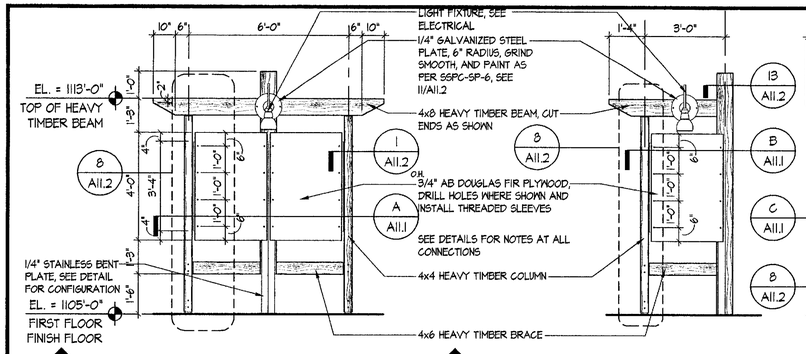
NEW FACILITY

DERBY
VERMONT

DATE: 01/07/2002
SCALE: 1/4" = 1'-0"
CHECKED: RN
PROJECT NO: 2003

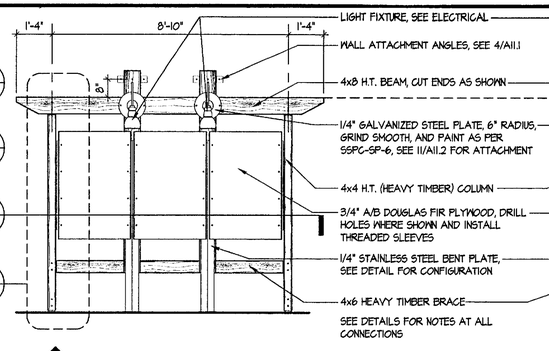
FLOOR PLAN - TOURS AND DETOURS DISPLAYS

A11.1



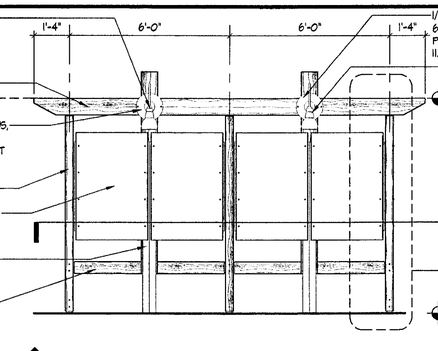
A DISPLAY TYPE "A" ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01



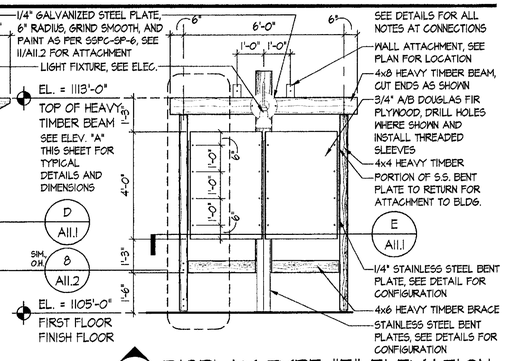
B DISPLAY TYPE "B" ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01



C DISPLAY TYPE "C" ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01

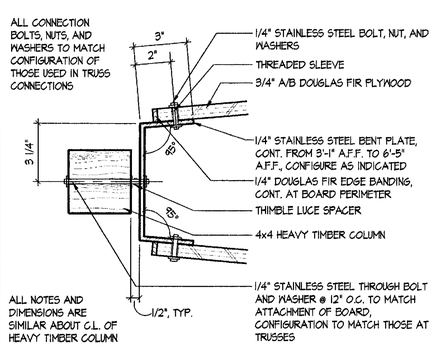


D DISPLAY TYPE "D" ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01

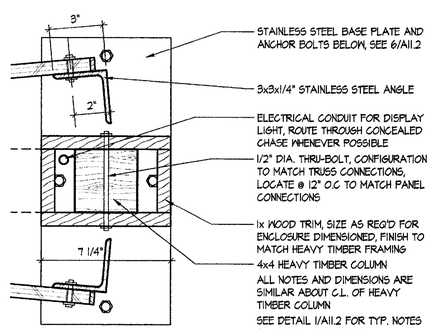
E DISPLAY TYPE "E" ELEVATION

SCALE: 3/8" = 1'-0" 2003_ELEV-TD01



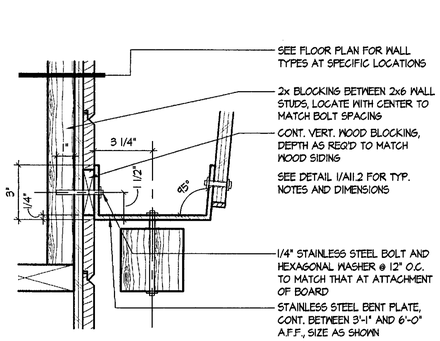
1 DISPLAY CONNECTION DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02



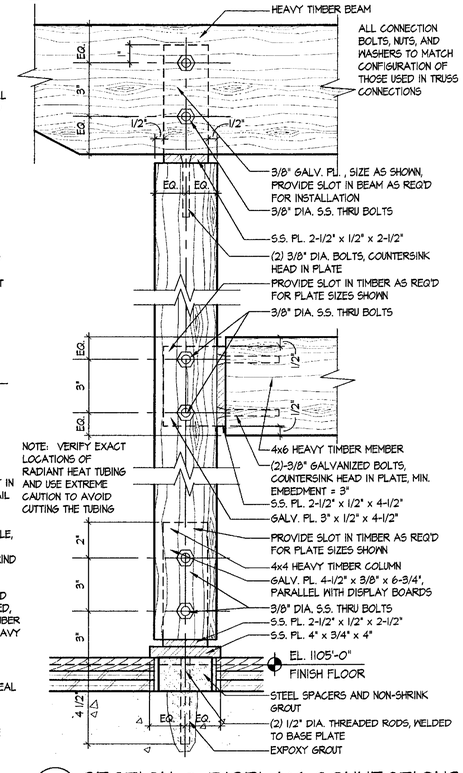
2 DISPLAY CONNECTION DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02



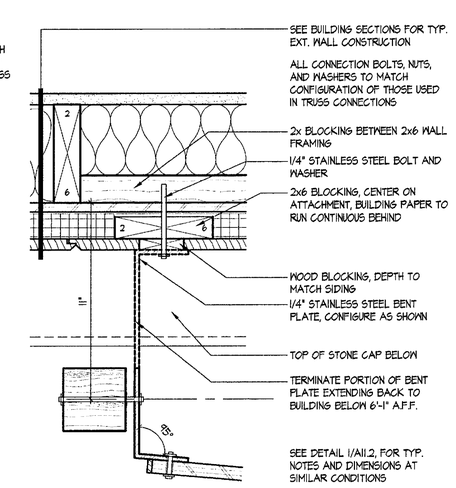
3 DISPLAY/WALL CONNECTION

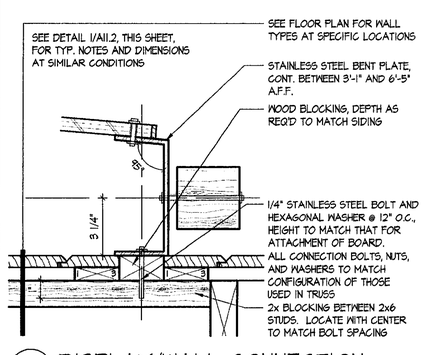
SCALE: 3" = 1'-0" 2003_DTL-TD02



4 EXTERIOR DISPLAY CONNECTION

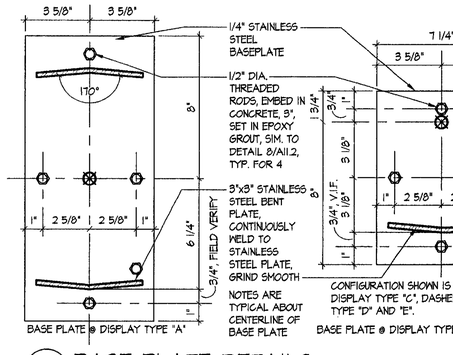
SCALE: 3" = 1'-0" 2003_DTL-TD02





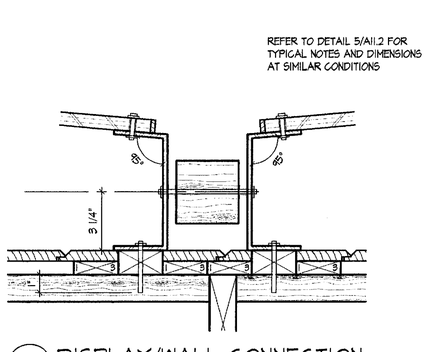
5 DISPLAY/WALL CONNECTION

SCALE: 3" = 1'-0" 2003_DTL-TD02



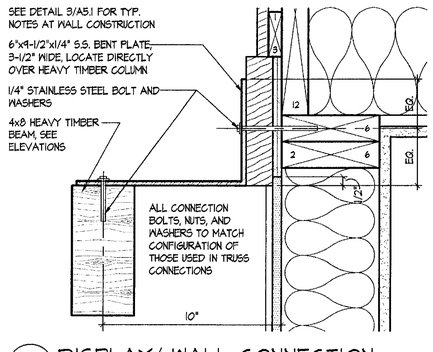
6 BASE PLATE DETAILS

SCALE: 3" = 1'-0" 2003_DTL-TD02



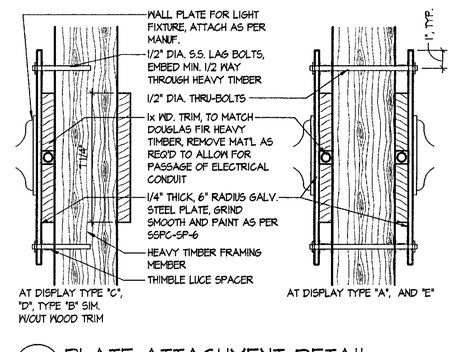
9 DISPLAY/WALL CONNECTION

SCALE: 3" = 1'-0" 2003_DTL-TD02



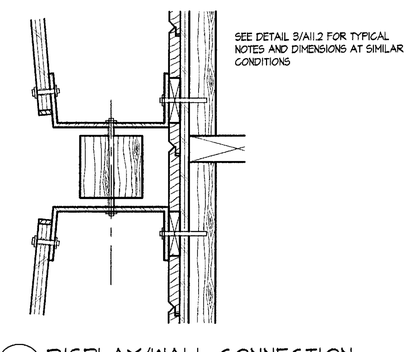
10 DISPLAY/ WALL CONNECTION

SCALE: 3" = 1'-0" 2003_DTL-TD02



11 PLATE ATTACHMENT DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02



12 DISPLAY/WALL CONNECTION

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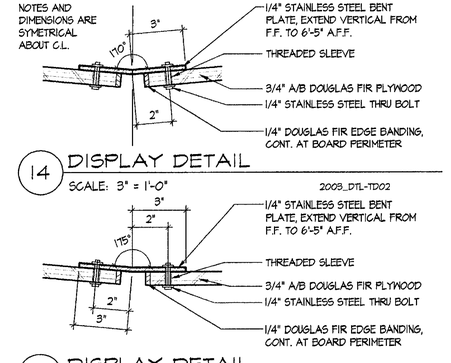

13 DISPLAY DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02

14 DISPLAY DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02

15 DISPLAY DETAIL

SCALE: 3" = 1'-0" 2003_DTL-TD02

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REVISIONS

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NEW FACILITY

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ELEVATIONS AND DETAILS - TOURS AND DETOURS DISPLAYS

A11.2

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PLUMBING SPECIFICATIONS

FD–A FLOOR DRAIN: ZURN MODEL ZB–415–Y OR EQUAL, 5" TYPE 'B' STRAINER, DURA–COATED CAST IRON BODY, 3" OUTLET, POLISHED BRONZE TOP, HEAVY DUTY DRAIN. PROVIDE WITH SEDIMENT BUCKET.

FPHB FREEZE–PROOF HOSE BIBB: WOODFORD MODEL 65C. VACUUM BREAKER/BACKFLOW PREVENTER, 3/4" INLET, POLISHED BRASS FINISH ON BRASS CASTINGS. LOOSE TEE KEY TO BE FURNISHED WITH EACH UNIT. SEE ARCHITECTURAL PLANS FOR WALL THICKNESS. SEE MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION. PROVIDE ACCESS PANELS WHERE SHOWN ON PLAN.

HB HOSE BIBB: WOODFORD MODEL 24C – 3/4 INCH. ALL BRASS WITH VACUUM BREAKER–BACKFLOW PREVENTER, 3/4" THREADED HOSE OUTLET, LOOSE TEE KEY TO BE FURNISHED WITH EACH UNIT.

MV–1 MIXING VALVE: SLOAN MODEL MIX–70–A THERMOSTATIC MIXING VALVE FOR MULTIPLE FAUCETS, HIGH TEMPERATURE LIMIT STOP, COMBINATION CHECKSTOPS ON INLETS, 1/2" INLET & OUTLET, 0.5 GPM MINIMUM FLOW.

P–1 WATER CLOSET: AMERICAN STANDARD AFWALL MODEL 2257.103 ELONGATED FLUSH VALVE TOILET. 1.6 GALLONS PER FLUSH, WHITE VITREOUS CHINA WITH SIPHON JET FLUSHING ACTION, 1–1/2" BRASS TOP SPUD. PROVIDE WITH SLOAN OPTIMA 111 ES–2 LOW CONSUMPTION, SENSOR OPERATED FLUSH VALVE, ZURN SERIES Z–1200 CARRIER AND OLSONITE #95 OPEN FRONT SEAT LESS COVER.

P–1H WATER CLOSET (ADA): AMERICAN STANDARD AFWALL MODEL 2257.103 ELONGATED FLUSH VALVE TOILET. 1.6 GALLONS PER FLUSH, WHITE VITREOUS CHINA WITH SIPHON JET FLUSHING ACTION, 1–1/2" BRASS TOP SPUD. PROVIDE WITH SLOAN OPTIMA 111 ES–2 LOW CONSUMPTION, SENSOR OPERATED FLUSH VALVE, ZURN SERIES Z–1200 CARRIER AND OLSONITE #95 OPEN FRONT SEAT LESS COVER. MOUNT WITH RIM OF BOWL AT 17" AFF FOR ADA COMPLIANCE.

P–2 URINAL: AMERICAN STANDARD WASHBROOK MODEL 6501.010 WALL HUNG URINAL. WHITE VITREOUS CHINA, SIPHON JET URINAL WITH FLUSHING RIM, 1.0 GPF, 3/4" TOP INLET SPUD. PROVIDE WITH SLOAN OPTIMA 180–1 ES–S LOW CONSUMPTION, SENSOR OPERATED FLUSH VALVE. MOUNT WITH RIM 17" AFF FOR ADA COMPLIANCE.

P–3H LAVATORY (ADA): CORIAN UNDERMOUNT BOWL, MODEL 810 A/S, 16 7/16"x13"x5 1/4" DEEP, COLOR BY ARCHITECT. PROVIDE SLOAN OPTIMA MODEL ETF–600–B ELECTRONIC HAND WASHING FAUCET, 4" CENTERS, 0.5 GPM AERATOR. PROVIDE WITH GRID DRAIN, TAIL PIECE, P–TRAP WITH CLEANOUT, FLEXIBLE SUPPLIES, ANGLE STOPS WITH ESCUTCHEONS, AND TRUEBRO LAV GUARD INSULATION KIT FOR TRAP, DRAIN, H & CW SUPPLIES.

P–4H LAVATORY (ADA): AMERICAN STANDARD LUCERNE MODEL 0355.012 WALL HUNG LAVATORY, CONCEALED ARM SUPPORT, 4" CENTERS, 20 1/2"x18", WHITE VITREOUS CHINA WITH FAUCET LEDGE. PROVIDE SLOAN OPTIMA MODEL ETF–600–B ELECTRONIC HAND WASHING FAUCET, 4" CENTERS, 0.5 GPM AERATOR. PROVIDE WITH GRID DRAIN, ZURN SERIES Z–1200 CONCEALED ARM CARRIER, TAIL PIECE, P–TRAP WITH CLEANOUT, FLEXIBLE SUPPLIES, ANGLE STOPS WITH ESCUTCHEONS AND TRUEBRO LAV GUARD INSULATION KIT FOR TRAP, DRAIN, H & CW SUPPLIES.

P–5 DRINKING FOUNTAIN (ADA): DRINKING FOUNTAIN: HAWS MODEL 1119 HI LO DRINKING FOUNTAIN, ADA COMPLIANT. SATIN FINISH STAINLESS STEEL, TWO BASINS WITH PERFORATED DOME STRAINER AND FRONT PUSH–BUTTONS. PROVIDE COLD WATER SUPPLY WITH STOP AND P–TRAP.

P–6 SERVICE SINK: FIAT MODEL MSB–2424, MOLDED STONE, FLOOR MOUNTED, 24 x 24" x 10" HIGH, FACTORY INSTALLED DRAIN BODY, DOME STRAINER/LINT BASKET. PROVIDE SERVICE FAUCET #830–AA, STAINLESS STEEL WALL GUARD, VINYL BUMPER GUARD, HOSE AND HOSE BRACKET, AND MOP HANGER.

P–7 SINK: ELKAY MODEL LR–2219 SINGLE BOWL TYPE 302 STAINLESS STEEL SINK, SELF–RIMMING, 22"x19 1/2"x7 1/2" DEEP, 4 HOLE REAR LEDGE. PROVIDE WITH DELTA MODEL 400 WASHERLESS SINGLE HANDLE KITCHEN DECK FAUCET WITH 8" CENTERS, SPRAY ATTACHMENT, CHROME FINISH. PROVIDE WITH FLEXIBLE SUPPLIES, ANGLE STOPS WITH ESCUTCHEONS, ELKAY LK–35 STANDARD DUO STRAINER, CAST BRASS P–TRAP WITH CLEANOUT.

P–8 SINK (PAVILION): ELKAY CUSTOM COUNTERTOP WITH INTEGRAL SINK, 24" WIDE x 7'–10" LONG WITH MODEL LR–2222 SINGLE BOWL TYPE 302 STAINLESS STEEL SINK, LEDGE TYPE 19"x16"x7 1/2" DEEP BOWL, 4 HOLE PUNCH FOR SINK FITTING. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO ORDERING. PROVIDE WITH DELTA MODEL 400 WASHERLESS SINGLE HANDLE KITCHEN DECK FAUCET WITH 8" CENTERS, CONNECT COLD WATER TO BOTH HOT & COLD WATER INLETS, CHROME PLATED FINISH, FLEXIBLE SUPPLY TO YARD HYDRANT YH–1 UNDER COUNTER, ELKAY LK–35 STANDARD DUO STRAINER.

P–9H WATER CLOSET (ADA): AMERICAN STANDARD MADERA 16–1/8" UNIVERSAL HEIGHT EL 1.6 ELONGATED FLUSH VALVE WATER CLOSET, #2305.100, VITREOUS CHINA, 1 1/2" TOP SPUD, 10" ROUGH IN, 2 BOLT CAPS. PROVIDE WITH WATER SAVING SLOAN ROYAL #111 FLUSH VALVE, 1.6 GPF, SUPPLY WITH STOP AND OLSONITE #95 OPEN FRONT SEAT LESS COVER.

TP–1 TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL P–2 AUTOMATIC TRAP PRIMER WITH DISTRIBUTION UNIT FOR 1 OR 2 DRAINS.

YH–1 YARD HYDRANT: ZURN MODEL Z–1395–5 NON–FREEZE YARD HYDRANT, LIFT HANDLE WITH LOCK OPTION, 6 FT BURIAL DEPTH AND 3/4" ADAPTER VACUUM BREAKER.

WH–1 WATER HEATER: WEIL–MCLAIN GOLD PLUS 30. INDIRECT FIRED, 30 GALLON TANK, 230 GPH RECOVERY AT 115°F RISE, STAINLESS STEEL INNER TANK, 2" RIGID INSULATION, LIMITED LIFETIME WARRANTY, T&P RELIEF VALVE.

WH–2 WATER HEATER: BRADFORD WHITE M–I–6U10SS, 6 GALLON TANK, 7 GPH RECOVERY AT 90°F RISE, ONE 1,500 WATT ELEMENT, 240V/1ø/60 HZ. 10 YEAR LIMITED WARRANTY. R–8 FOAM INSULATED, GLASS LINED TANK, MAGNESIUM ANODE ROD, T&P RELIEF VALVE.

FIXTURE CONNECTION SCHEDULE

ITEM	FIXTURE	SUP	TRP	MINIMUM BRANCH SIZE WASTE	VENT	COLD	HOT	REMARKS
FPHB	FREEZE PROOF HOSE BIBB	3/4"	––	––	––	3/4"	––	
P–1	WATER CLOSET	1"	––	3"	2"	1 1/2"	––	
P–1H	WATER CLOSET (ADA)	1"	––	3"	2"	1 1/2"	––	
P–2	URINAL	3/4"	––	2"	1 1/2"	3/4"	––	
P–3H	LAVATORY	1/2"	1 1/4"	2"	1 1/2"	1/2"	1/2"	
P–4H	LAVATORY (ADA)	1/2"	1 1/4"	2"	1 1/2"	1/2"	1/2"	
P–5	DRINKING FOUNTAIN	1/2"	1 1/4"	2"	1 1/2"	1/2"	––	
P–6	SERVICE SINK	1/2"	2"	3"	1 1/2"	1/2"	1/2"	
P–7	SINK	1/2"	1 1/2"	2"	1 1/2"	1/2"	1/2"	
P–8	SINK	1/2"	––	2"	––	1/2"	––	PIPE WASTE TO DRY WELL
P–9	WATER CLOSET (ADA)	1"	––	3"	2"	1 1/2"	––	

PIPE AND FITTING SCHEDULE

SERVICE	SIZE	TEST PSI	PIPE TYPE	PIPE SCHEDULE	FITTINGS TYPE	FITTINGS SCHEDULE	REMARKS
WASTE & VENT BELOW GRADE	ALL	CODE	CINH	SW	CINH	SW	
WASTE & VENT ABOVE GRADE	ALL	CODE	PVC	40	PVC	40	
DOMESTIC HW, CW & HWR ABOVE GRADE	ALL	200	CUL	STD	CUS	STD	
DOMESTIC HW, CW & HWR BELOW GRADE	ALL	200	CUK	STD	CUK	STD	
CONDENSATE DRAIN	ALL	CODE	PVC	40	PVC	40	

VALVE SCHEDULE

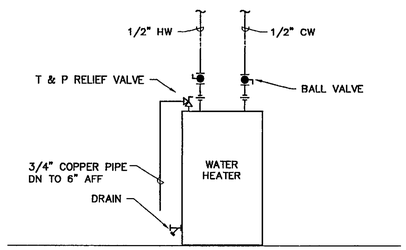
SERVICE	SIZE	TYPE GATE	GLOBE	CHECK	BALL	PLUG	REMARKS
DOMESTIC HW, CW & HWR	ALL	GVT	GLVT	CVT	BVT	––	

INSULATION SCHEDULE

SERVICE	SIZE	TYPE	THICKNESS	REMARKS
DOMESTIC HW, CW & HWR	ALL	H11	1"	
VENTS	ALL	H51	1"	WITHIN 6 LINEAR FEET OF ROOF OUTLET
LAVATORY (ADA)	ALL	H7	SEE SPEC	EXPOSED DRAIN, TRAP, H & CW PIPING UNDER LAVATORY
CONDENSATE DRAIN	ALL	––	––	NOT INSULATED

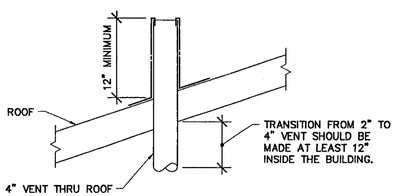
NOTES:

1. SEE SPECIFICATIONS FOR PIPE, FITTINGS, VALVES & INSULATION TYPES.
2. ALL DRAINS, SUCH AS T&P AND BACKFLOW PREVENTERS, SHALL HAVE ENDS CUT AT 45 DEGREES.



ELECTRIC WATER HEATER WH–2 DETAIL

NOT TO SCALE



PLUMBING VENT TERMINAL DETAIL

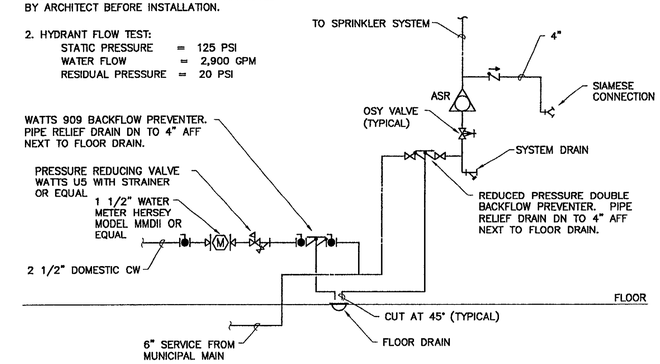
NO SCALE

ABBREVIATIONS

ALL ABBREVIATIONS SHOWN MAY NOT APPLY	
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
CW	COLD WATER
DN	DOWN
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FPHB	FROST PROOF HOSEBIBB
FPWH	FROST PROOF WALL HYDRANT
HB	HOSE BIBB
HW	HOT WATER
HWC	HOT WATER CIRCULATION
NH	NO–HUB
PRV	PRESSURE REDUCING VALVE
RV	PRESSURE RELIEF VALVE
S	SOIL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEANOUT
ASR	AUTOMATIC SPRINKLER RISER

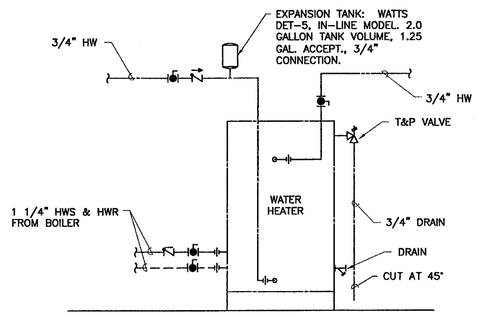
NOTES:

1. ALL ROUTING OF SPRINKLER SYSTEM IN AREAS WITH EXPOSED WOOD TRUSSES, BOTH INTERIOR AND EXTERIOR TO BE REVIEWED AND APPROVED BY ARCHITECT BEFORE INSTALLATION.
2. HYDRANT FLOW TEST:
   STATIC PRESSURE = 125 PSI
   WATER FLOW = 2,900 GPM
   RESIDUAL PRESSURE = 20 PSI



SPRINKLER CONNECTION SCHEMATIC

NOT TO SCALE



WATER HEATER WH–1 DETAIL

NOT TO SCALE

PLUMBING LEGEND

SYMBOLS

- SOIL AND WASTE
- VENT
- COLD WATER
- HOT WATER
- HOT WATER CIRCULATION
- PIPE RISE
- PIPE DROP
- BOTTOM TAKE–OFF
- FCO FLOOR CLEANOUT
- CO CLEANOUT
- WCO WALL CLEANOUT
- P–TRAP
- FLOOR DRAIN
- WATER HAMMER ARRESTER
- DIRECTION OF FLOW
- REDUCER
- CAP OR PLUG
- UNION (SCREWED)
- GATE VALVE
- BALL VALVE
- GLOBE VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- TEMPERATURE/PRESSURE RELIEF VALVE
- STRAINER
- BACKFLOW PREVENTER
- WATER METER
- CIRCULATOR PUMP
- PS PRESSURE SWITCH

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #M 091–3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: AS NOTED
CHECKED:
PROJECT NO: 2003

PLUMBING LEGEND, SCHEDULES & DETAILS

P1.1

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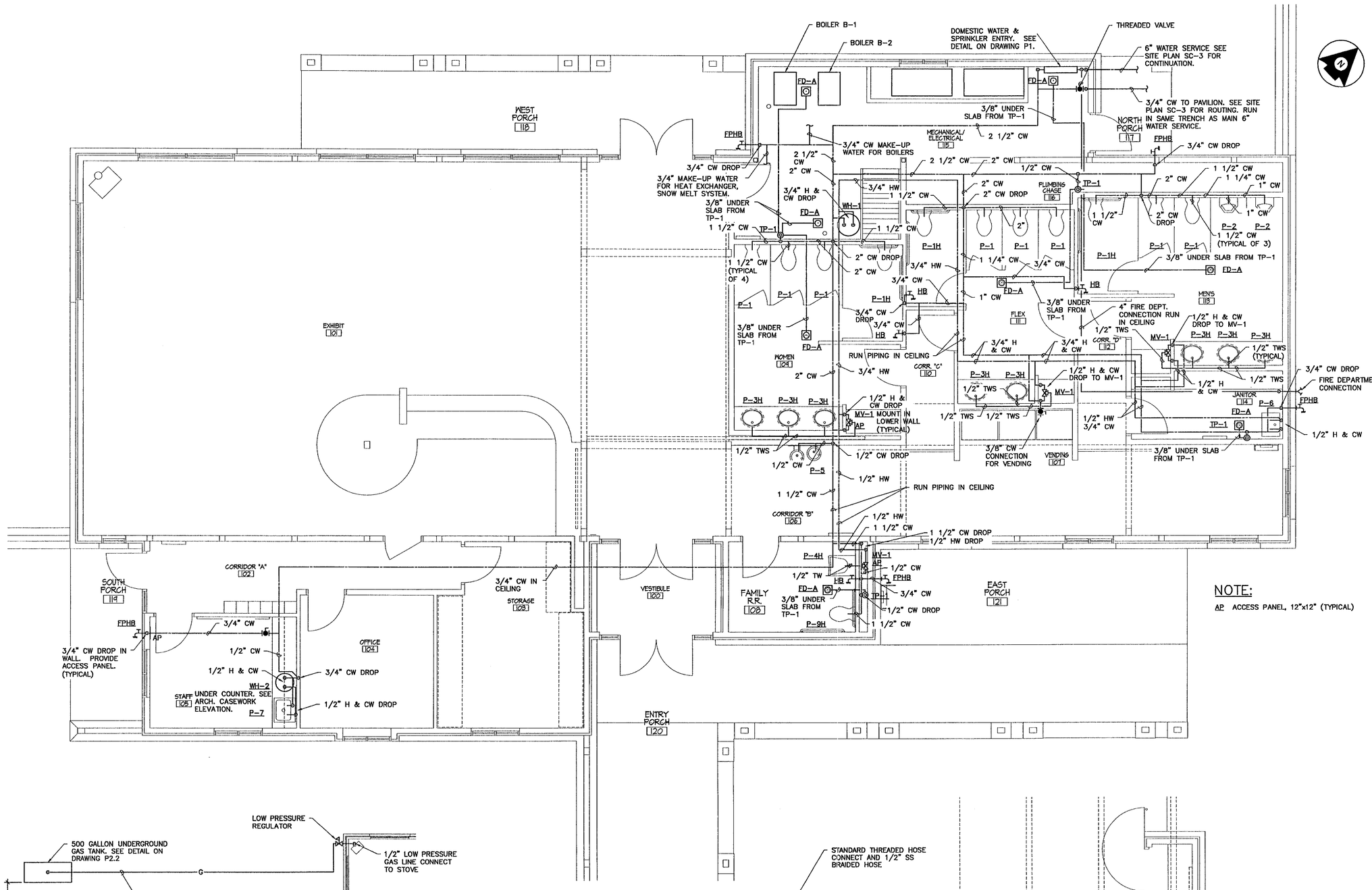
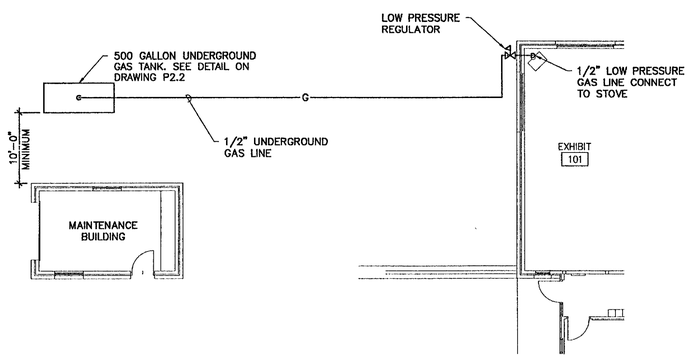


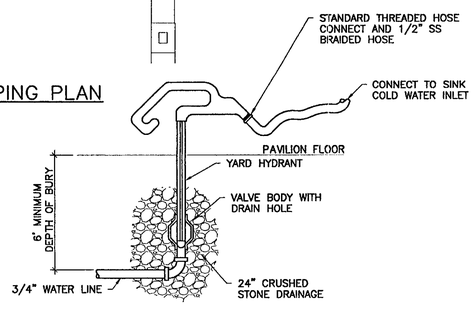
NOTE:

AP ACCESS PANEL, 12"x12" (TYPICAL)

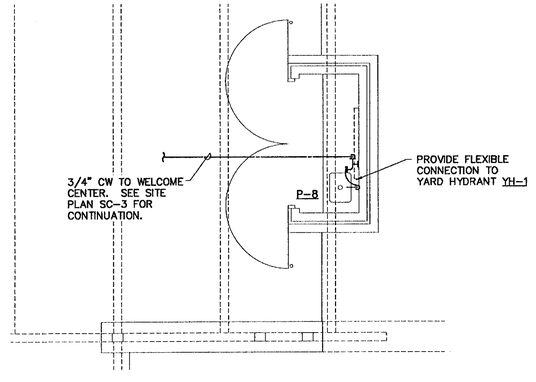


PART PLAN – GAS PIPING
SCALE: 1"=10'-0"

DOMESTIC WATER PIPING PLAN
SCALE: 1/4"=1'-0"



YARD HYDRANT DETAIL
SCALE: NOT TO SCALE



DOMESTIC WATER PIPING PLAN – PAVILION
SCALE: 1/4"=1'-0"

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DOMESTIC WATER PIPING PLAN

P2.1

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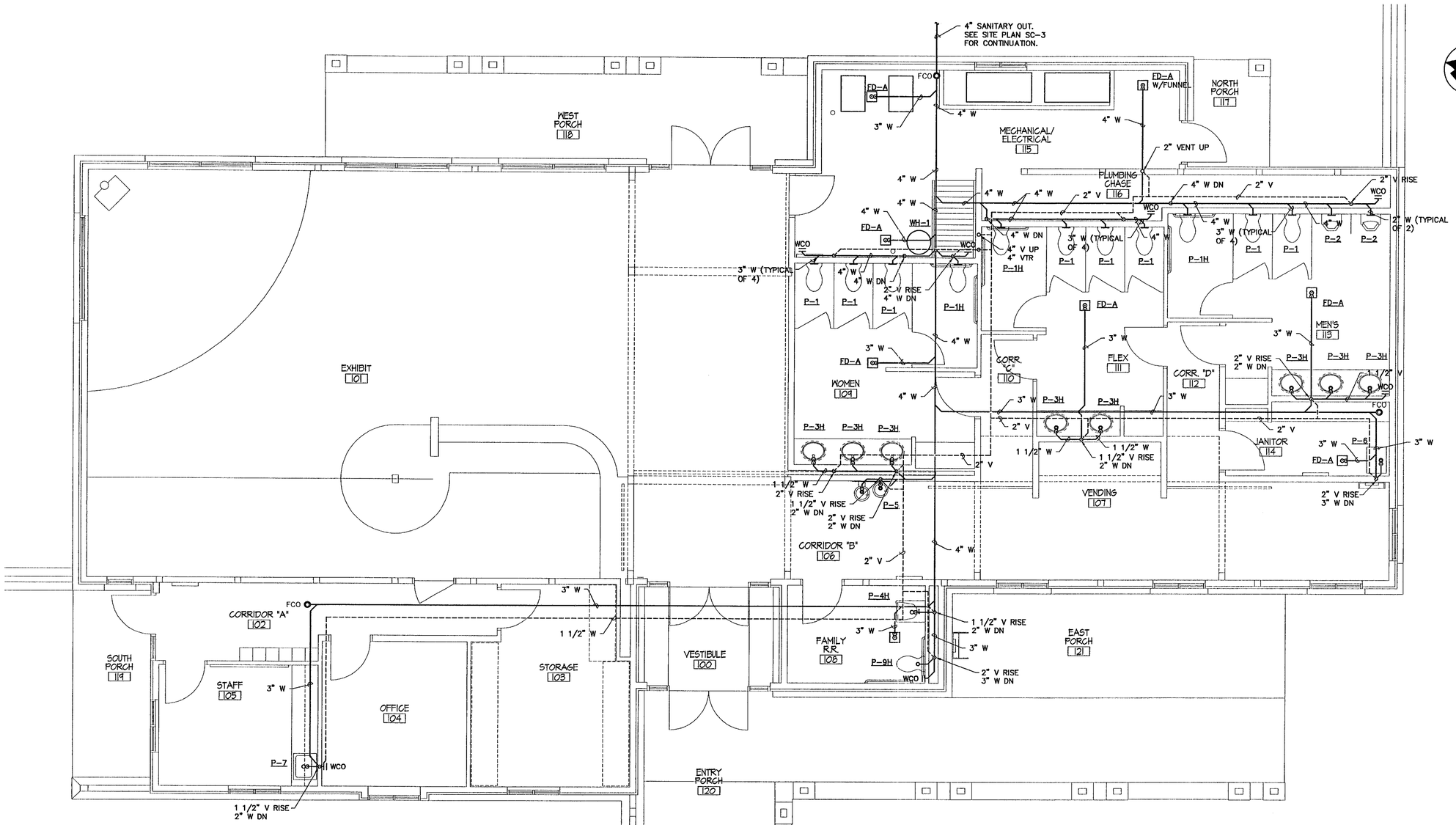
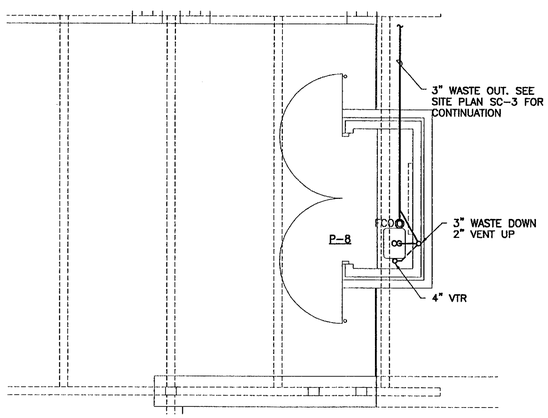


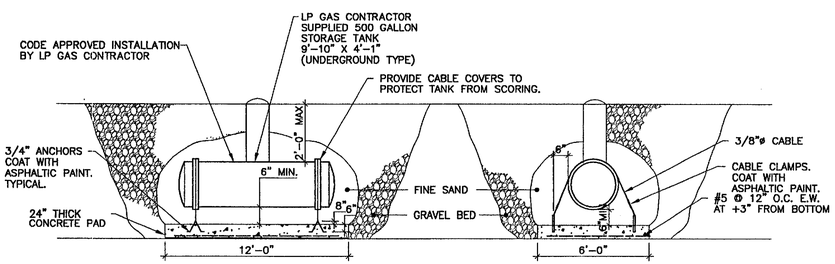
PLAN

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



WASTE AND VENT PIPING PLAN – PAVILION

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



BURIED LP GAS TANK DETAIL

NOT TO SCALE

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NEW FACILITY

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CHECKED:
PROJECT NO: 2003

WASTE & VENT PIPING PLAN

P2.2

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GRILLES, REGISTERS AND DIFFUSER SCHEDULE

ITEM	MANUFACTURER	MODEL	TYPE	AIR PATTERN	MAX NECK VELOCITY	PANEL SIZE (INCHES)	NECK SIZE (INCHES)	CFM RANGE	MOUNTING	REMARKS
S-1	METALAIRE	5500-65	SUPPLY	4 WAY	400	---	9x9	101-225	CEILING	SEE NOTES 1 & 2
S-2	METALAIRE	V4004	SUPPLY	---	400	---	16x8	226-300	DUCT	SEE NOTES 2
S-3	METALAIRE	V4004	SUPPLY	---	400	---	14x10	301-625	WALL	SEE NOTES 1 & 2
S-4	METALAIRE	5500-65	SUPPLY	4 WAY	400	---	9x9	101-225	CEILING	SEE NOTES 1 & 3
R-1	METALAIRE	RHD	RETURN	---	400	---	12x6	0-200	CEILING	SEE NOTES 1 & 2
R-2	METALAIRE	RHD	RETURN	---	400	---	18x18	501-750	CEILING/WALL	SEE NOTES 1 & 2
R-3	METALAIRE	RHD	RETURN	---	400	---	12x6	0-200	CEILING/WALL	SEE NOTES 1 & 2
R-4	METALAIRE	RHD	RETURN	---	400	---	12x6	0-200	CEILING	SEE NOTES 1 & 3
E-1	METALAIRE	RHD	EXHAUST	---	400	---	12x6	0-200	CEILING/WALL	SEE NOTES 1 & 2

NOTES:
1. GRILLES, REGISTERS AND DIFFUSERS SHALL BE FURNISHED WITHOUT DAMPERS.

2. GRILLES, REGISTERS AND DIFFUSERS SHALL BE FURNISHED WITH OPTIONAL ALUMINUM FINISH.

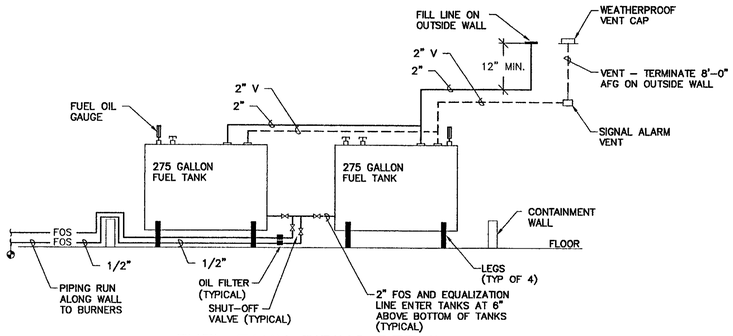
3. GRILLES, REGISTERS AND DIFFUSERS SHALL BE FURNISHED WITH STANDARD WHITE FINISH.

LOUVER SCHEDULE

ITEM	TYPE	MFR.	MODEL NUMBER	CFM	DIMENSIONS (INCHES) HEIGHT	WIDTH	DEPTH	MIN FREE AREA (SQ FT)	REMARKS
L-1	INTAKE	GREENHECK	ESJ-601	3635	42	48	6	7.5	
L-2	EXHAUST	GREENHECK	ESJ-601	900 (TOP) 2,410 (BOTTOM)	14 (TOP) 12 (BOTTOM)	38 (TOP) 72 (BOTTOM)	6	(TOP) (BOTTOM)	SEE NOTE 1

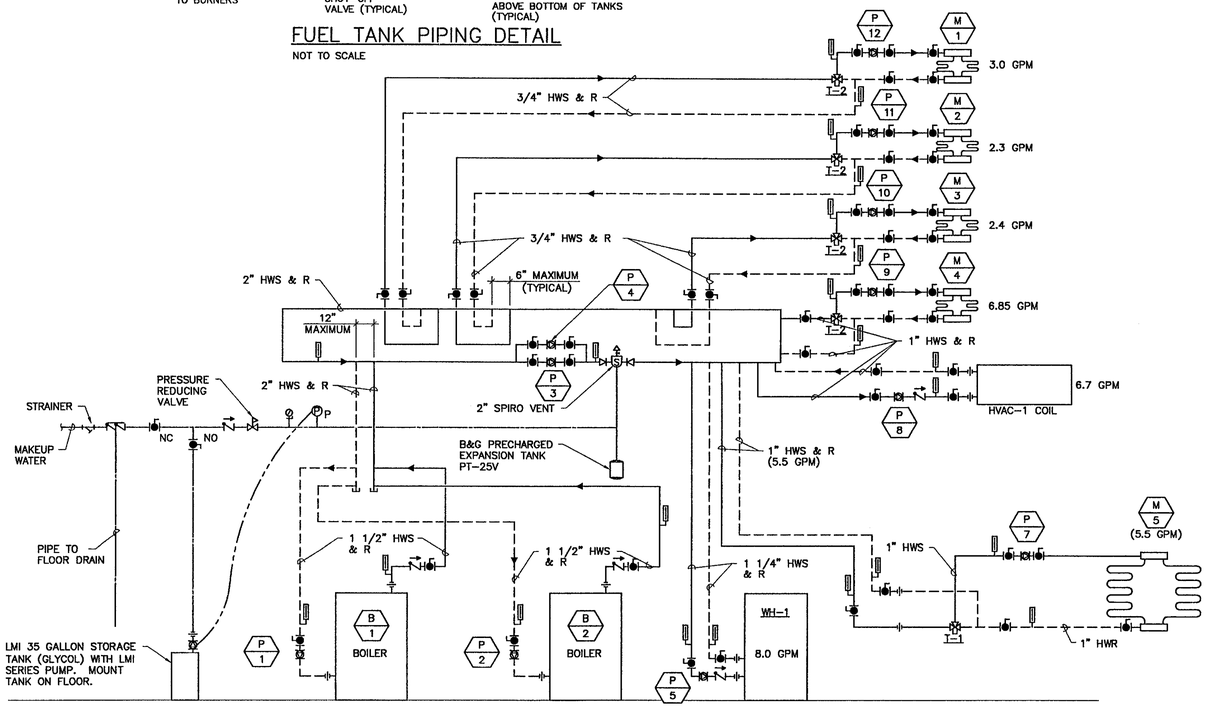
NOTES:
1. TWO SECTION ROUND LOUVER, 48"ø x 4" DEEP OVERALL DIMENSIONS, 3,310 CFM TOTAL.

2. ALL LOUVERS TO HAVE KYNAR 500 FINISH, COLOR TO MATCH PELLA WINDOW COLOR BRICK RED, FINAL APPROVAL BY ARCHITECT.



FUEL TANK PIPING DETAIL

NOT TO SCALE



BOILER PIPING SCHEMATIC

NOT TO SCALE

PIPE AND FITTING SCHEDULE

SERVICE	SIZE	TEST PSI	PIPE TYPE	PIPE SCHEDULE	FITTINGS TYPE	FITTINGS SCHEDULE	REMARKS
HEATING WATER SUPPLY & RETURN	UP TO 2"	200	CUL	STD	CUS	STD	
HEATING WATER SUPPLY & RETURN	2 1/2" & LARGER	200	CUS	STD	CUS	STD	SEE NOTE 3
RELIEF VALVE DISCHARGE	ALL	200	CUL	STD	CUS	STD	

VALVE SCHEDULE

SERVICE	SIZE	TYPE GATE	GLOBE	CHECK	BALL	PLUG	REMARKS
HEATING WATER SUPPLY & RETURN	UP TO 2"	GVT	---	CVT	BVT	---	SEE NOTE 2
HEATING WATER SUPPLY & RETURN	2 1/2" & LARGER	---	---	---	---	BTRF	

INSULATION SCHEDULE

SERVICE	SIZE	TYPE	THICKNESS	REMARKS
HEATING WATER SUPPLY & RETURN	ALL	H11	1 1/2"	SEE NOTE 2
FRESH AIR AND EXHAUST DUCTWORK	ALL	H51	1 1/2"	SEE NOTE 1
BOILER BREECHING	ALL	H41	2"	
REFRIGERANT COLD PIPING	ALL	H61	1"	W/UV PROTECTIVE COATING

NOTES:

1. PROVIDE FOIL FACED INSULATION ON ALL UNEXPOSED DUCTWORK. PROVIDE VINYL FACED INSULATION ON ALL EXPOSED DUCTWORK IN MECHANICAL ROOM. ALL EXPOSED SUPPLY DUCT IN EXHIBIT 101 IS UNINSULATED.

2. REFER TO SPECIFICATIONS FOR PIPE, FITTINGS, VALVE AND INSULATION TYPES.

3. HEATING WATER SUPPLY & RETURN PIPING FOR 2 1/2" & LARGER PIPE SIZES AT CONTRACTOR'S OPTION CAN BE TYPE SI, SCHEDULE 40, BLACK STEEL WITH WELDED JOINTS OR ROLL GROOVE STEEL PIPE, SCHEDULE 10 WITH TYPE MJ MECHANICAL JOINT.

4. ACTUAL PIPING AT 3-WAY VALVE SHALL DEPEND ON MANUFACTURER'S WRITTEN INSTRUCTIONS.

EQUIPMENT SCHEDULE:

B-1 BOILER: WEIL-MCLAIN GOLD PACKAGED WGO-5, 152,000 MBH IBR WATER RATING, NO. 2 FUEL OIL WITH TACO 007 CIRCULATOR, BACK DRAFT DAMPER, STANDARD EQUIPMENT, 120V/1ø/60 HZ.

B-2 BOILER: WEIL-MCLAIN SAME AS B-1.

CU-1 & CU-2 CONDENSING UNIT: CARRIER 38TXA060, 60.14 MBH TC, AT 48°F SST, & 95°F EAC CONDENSER 208/230V/1ø/60HZ.

HRU-1 HEAT RECOVERY UNIT: DES CHAMPS LABS ZDUCT MODEL MZ-1370 900 CFM EXHAUST AIR AT 0.75" ESP, 1000 CFM OUTSIDE AIR AT 0.50" ESP, 3/4" HP SUPPLY & EXHAUST FAN MOTORS, 230V/1ø/60HZ. PROVIDE WITH SUPPLY & EXHAUST FILTERS, DAMPERS, INTEGRAL ELECTRIC CONTROLS, TRAVERSING DEFROST CONTROL AND PREMIUM EFFICIENCY MOTORS. HEAT EXCHANGER EFFICIENCY NOMINAL 75%.

HVAC-1 AIR HANDLING UNIT: CARRIER 39M08, 3635 CFM AT 3.125 IN TSP, 5HP, 230V/1ø, PREMIUM EFFICIENCY MOTOR, HOT WATER HEATING COIL 2 ROW, 8 FPI, HC, 5/8" TUBES, 7.5 SF, 159 MBH, 6.7 GPM, 0.2 FT WPD, 0.17 IN APD, EWT 180.0° F, LWT 129.7° F, EAT 45° F, LAT 85.0° F, 30% PG, COOLING COIL 6 ROWS, 11 FPI, SPLIT HALF CIRCUIT, 1/2" TUBES, 1.18 TONS/CIRC, EA 80/67, 112.6 TC, 89 SC, BFP 0.0742, 0.81 APD, LA 57.6/56.7, 2" DOUBLE WALL UNIT CASING WITH TOP FRONT DISCHARGE, COMBINATION FILTER MIXING BOX WITH LOW LEAK DAMPERS TOP AND BACK WITH 2" PLEATED THROW AWAY FILTERS.

P-1 TACO 007 17 GPM, 4 FT. HD. FURNISH WITH BOILER. 1/25 HP, 120V/1ø/60 HZ.

P-2 SAME AS P-1

P-3 TACO 0013, 35 GPM, 6 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

P-4 SAME AS P-3

P-5 TACO 007, 8.0 GPM, 7 FT. HD., 1/25 HP, 120V/1ø/60 HZ.

P-6 NUMBER NOT USED.

P-7 TACO 007, 5.5 GPM, 8.0 FT. HD., 1/25 HP, 120V/1ø/60 HZ.

P-8 TACO 007, 6.7 GPM, 7.0 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

P-9 TACO 007, 6.85 GPM, 12.0 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

P-10 TACO 007, 2.4 GPM, 8.0 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

P-11 TACO 007, 2.3 GPM, 12.0 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

P-12 TACO 007, 3.0 GPM, 8.0 FT. HD., 1/8 HP, 120V/1ø/60 HZ.

RF-1 RETURN/EXHAUST FAN: GREENHECK BSQ-140-7, 2150 CFM @ 0.625 TSP, 3/4 HP, 230V/1ø/60HZ, 1,400 RPM, R-4 DRIVE.

T-1 TEMPERING VALVE: WIRSBO A5401112, 1", 80°F TO 160°F, SET AT 135°F.

T-2 TEMPERING VALVE: SAME AS T-1, SET AT 115°F

SF-1 COMBUSTION AIR FAN: TJERNLUND INFORCER POWERED INTAKE COMBUSTION AIR FAN MODEL PAI-3, 115V,1ø, 60 HZ, 1.26 AMPS WITH INTAKE HOOD. INTERLOCK TO OPERATE WHEN BOILER RUNS.

SF-2 SAME AS SF-1

ABBREVIATIONS

ALL ABBREVIATIONS SHOWN MAY NOT APPLY	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
B	BOILER
BDD	BACKDRAFT DAMPER
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
DB	DRY BULB
DSD	DUCT SMOKE DETECTOR
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EWT	ENTERING WATER TEMPERATURE
FD	FIRE DAMPER
FPM	FEET PER MINUTE
GPM	GALLONS PER MINUTE
HRU	HEAT RECOVERY UNIT
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LF	LINEAR FEET
LWT	LEAVING WATER TEMPERTURE
MBH	THOUSAND BTU/HOUR
MOD	MOTOR OPERATED DAMPER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
R	RETURN
RA	RETURN AIR
S	SUPPLY
SA	SUPPLY AIR
SCFM	STANDARD CFM
SF	SQUARE FEET
TG	TRANSFER GRILLE
UH	UNIT HEATER
VD	VOLUME DAMPER
WB	WET BULB

HVAC LEGEND

SYMBOLS

—CD—	CONDENSATE DRAIN
—FOS—	FUEL OIL SUPPLY
—FOR—	FUEL OIL RETURN
—HWS—	HOT WATER SUPPLY
—HWR—	HOT WATER RETURN
T	THERMOSTAT
T_H	THERMOSTAT(HEATING)
T_C	THERMOSTAT(COOLING)
$T_{H/C}$	THERMOSTAT(HEATING/COOLING)
S_P	SWITCH W/PILOT
S	SWITCH
S_S	SPEED SWITCH
P_S	PRESSURE SWITCH
	FLEXIBLE CONNECTION
	PIPE DROP
	BOTTOM CONNECTION/TURN AWAY
	TOP CONNECTION/TURN TOWARDS
	DIRECTION OF FLOW
	PIPE ANCHOR
	UNION (SCREWED)
	REDUCER,CONCENTRIC
	CAP OR PLUG
	GATE VALVE
	BALL VALVE
	GLOBE VALVE
	CHECK VALVE
	CONTROL VALVE (2-WAY)
	CONTROL VALVE (3-WAY)
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	TEMPERATURE-PRESSURE RELIEF VALVE
	BALANCING VALVE
	PLUG COCK
	STRAINER
	THERMOMETER
	PRESSURE GAUGE WITH COCK
	AIR VENT
	PUMP
10	VOLUME DAMPER
BDD	BACKDRAFT DAMPER
MOD	MOTOR OPERATED DAMPER
FD	FIRE DAMPER
	SUPPLY/FRESH AIR
	RETURN/EXHAUST AIR
	FLEXIBLE DUCTWORK
	SUPPLY DUCT SECTION
	RETURN DUCT SECTION
	EXHAUST DUCT SECTION
	SUPPLY ROUND DUCT SECTION
	RETURN ROUND DUCT SECTION
	EXHAUST ROUND DUCT SECTION
	SUPPLY DIFFUSER
	RETURN REGISTER OR GRILLE
	EXHAUST REGISTER OR GRILLE
TYPE #	EQUIPMENT TYPE EQUIPMENT NUMBER
TYPE CFM	REGISTER, DIFFUSER OR GRILLE DESIGNATION CFM

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MECHANICAL LEGEND, & DETAILS SCHEDULES

M1.1

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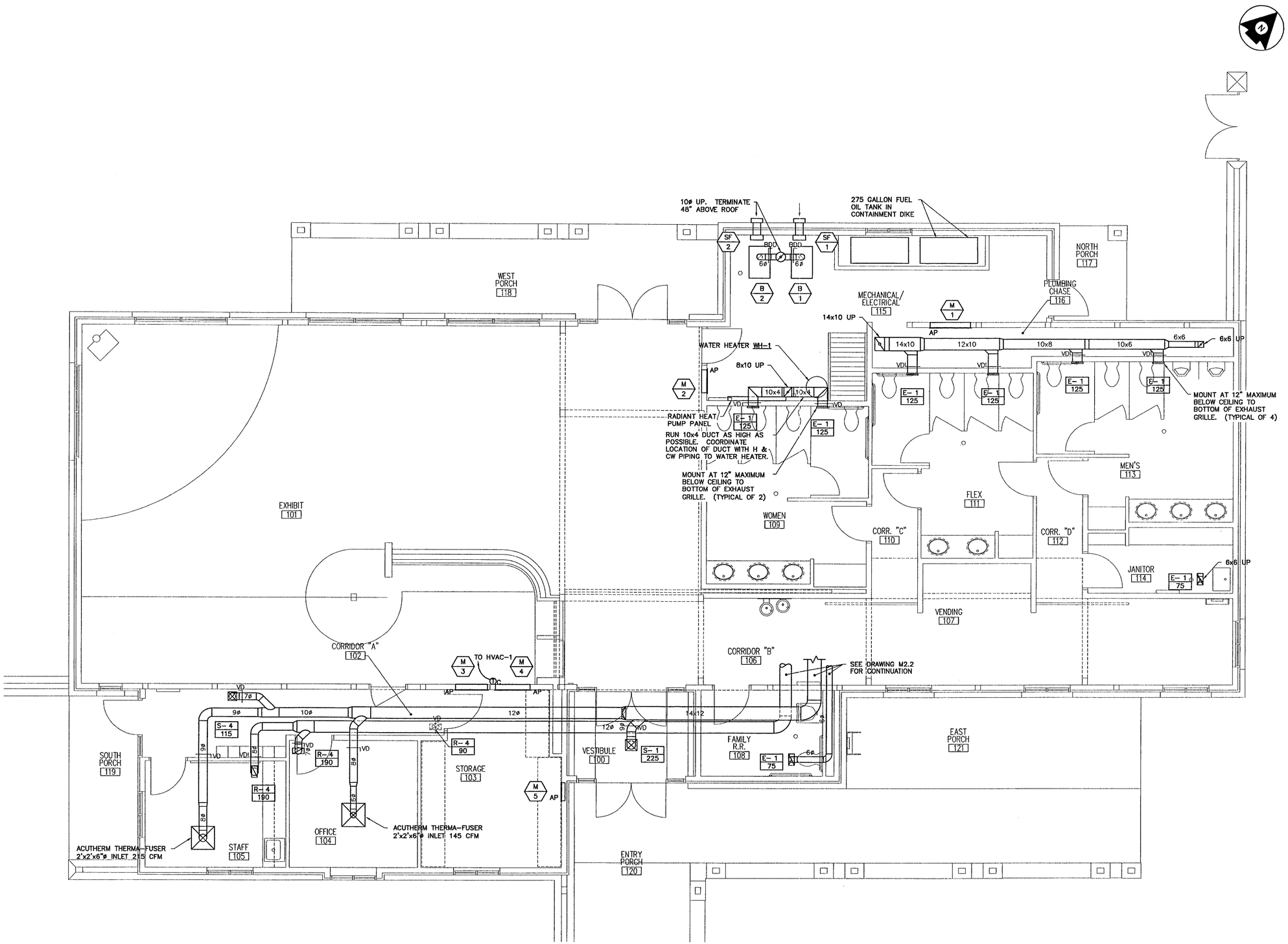

PLAN
SCALE: 1/4"=1'-0"

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STATE OF VERMONT
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

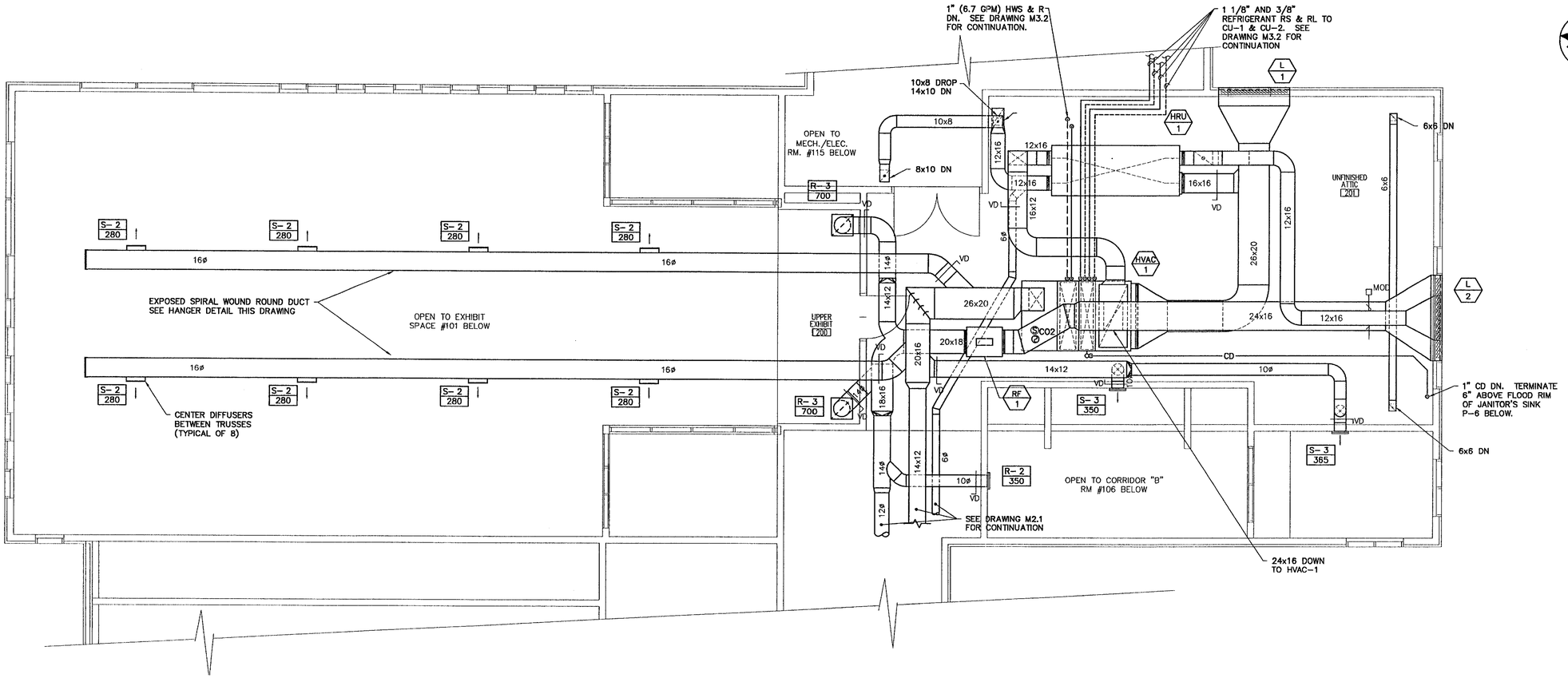
NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: AS NOTED
CHECKED:
PROJECT NO: 2003

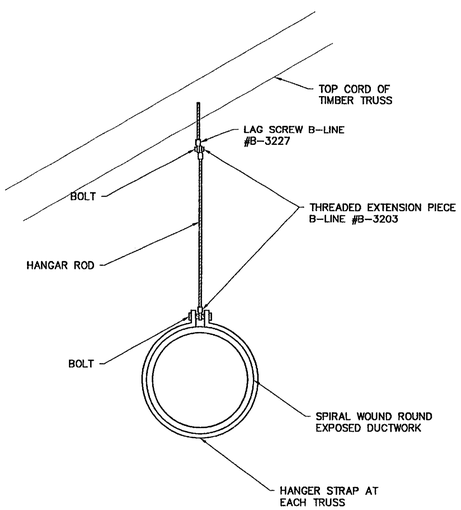
HVAC FIRST FLOOR PLAN

M2.1



UNFINISHED ATTIC HVAC PLAN

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



TYPICAL EXPOSED DUCT HANGER DETAIL

NOT TO SCALE

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HVAC ATTIC PLAN

M2.2

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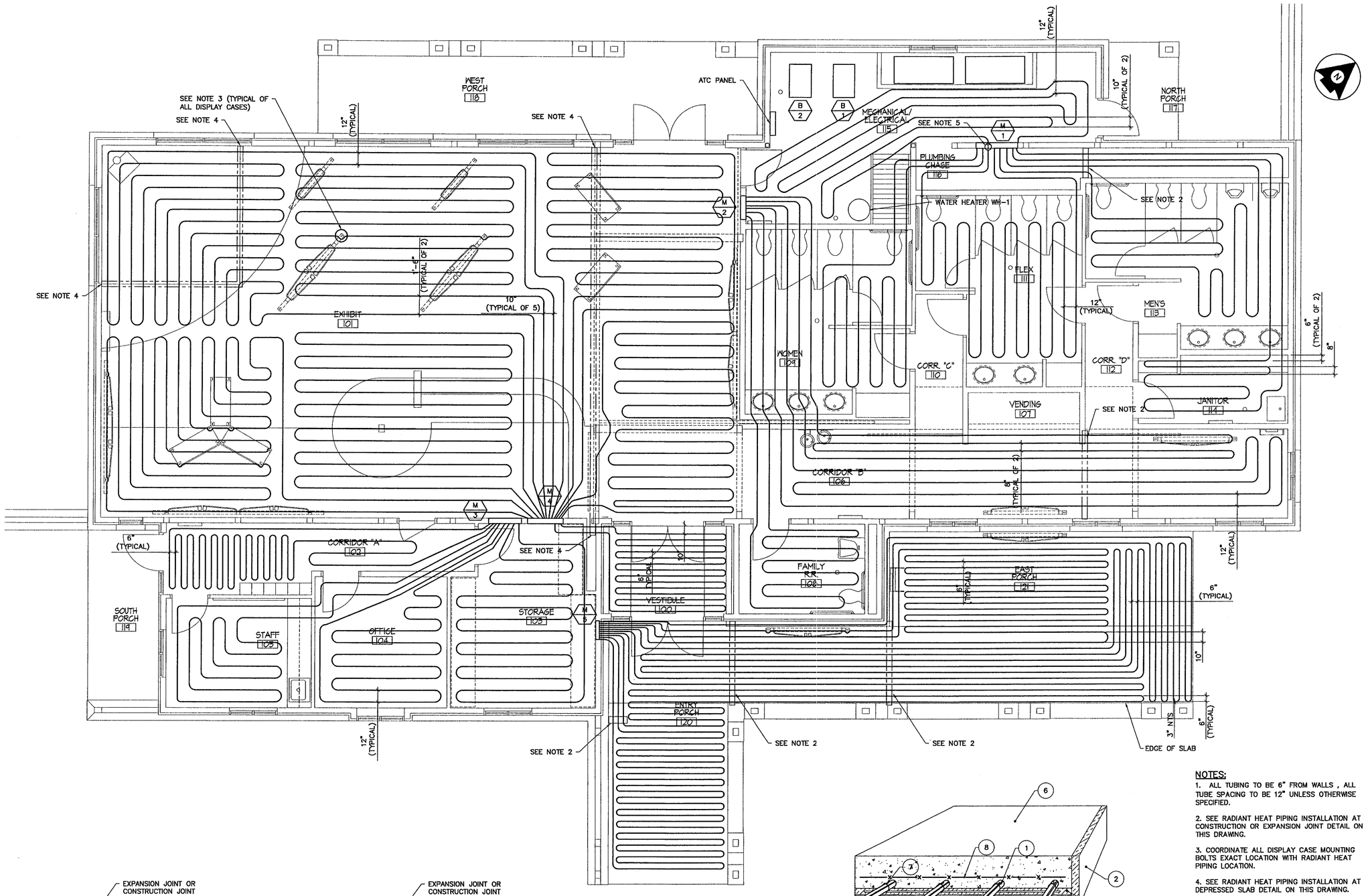
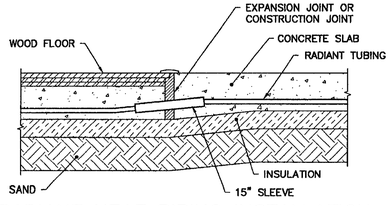
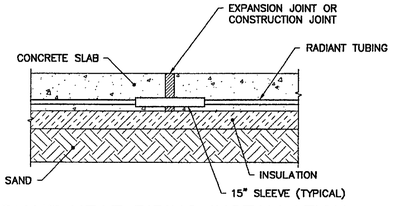


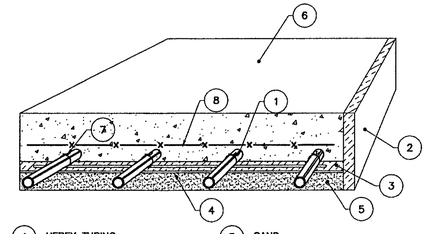
RADIANT HEAT PIPING PLAN
SCALE: 1/4"=1'-0"



RADIANT HEAT PIPING INSTALLATION AT DEPRESSED SLAB
NOT TO SCALE



RADIANT HEAT PIPING INSTALLATION AT CONSTRUCTION OR EXPANSION JOINT
NOT TO SCALE



RADIANT HEATING PIPING INSTALLATION DETAIL
NOT TO SCALE

NOTES:

1. ALL TUBING TO BE 6" FROM WALLS , ALL TUBE SPACING TO BE 12" UNLESS OTHERWISE SPECIFIED.
2. SEE RADIANT HEAT PIPING INSTALLATION AT CONSTRUCTION OR EXPANSION JOINT DETAIL ON THIS DRAWING.
3. COORDINATE ALL DISPLAY CASE MOUNTING BOLTS EXACT LOCATION WITH RADIANT HEAT PIPING LOCATION.
4. SEE RADIANT HEAT PIPING INSTALLATION AT DEPRESSED SLAB DETAIL ON THIS DRAWING.
5. INSTALL TELESTAT ON FLEX 111 AND MECHANICAL 115 LOOPS.

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RADIANT HEAT PIPING PLAN

M3.1

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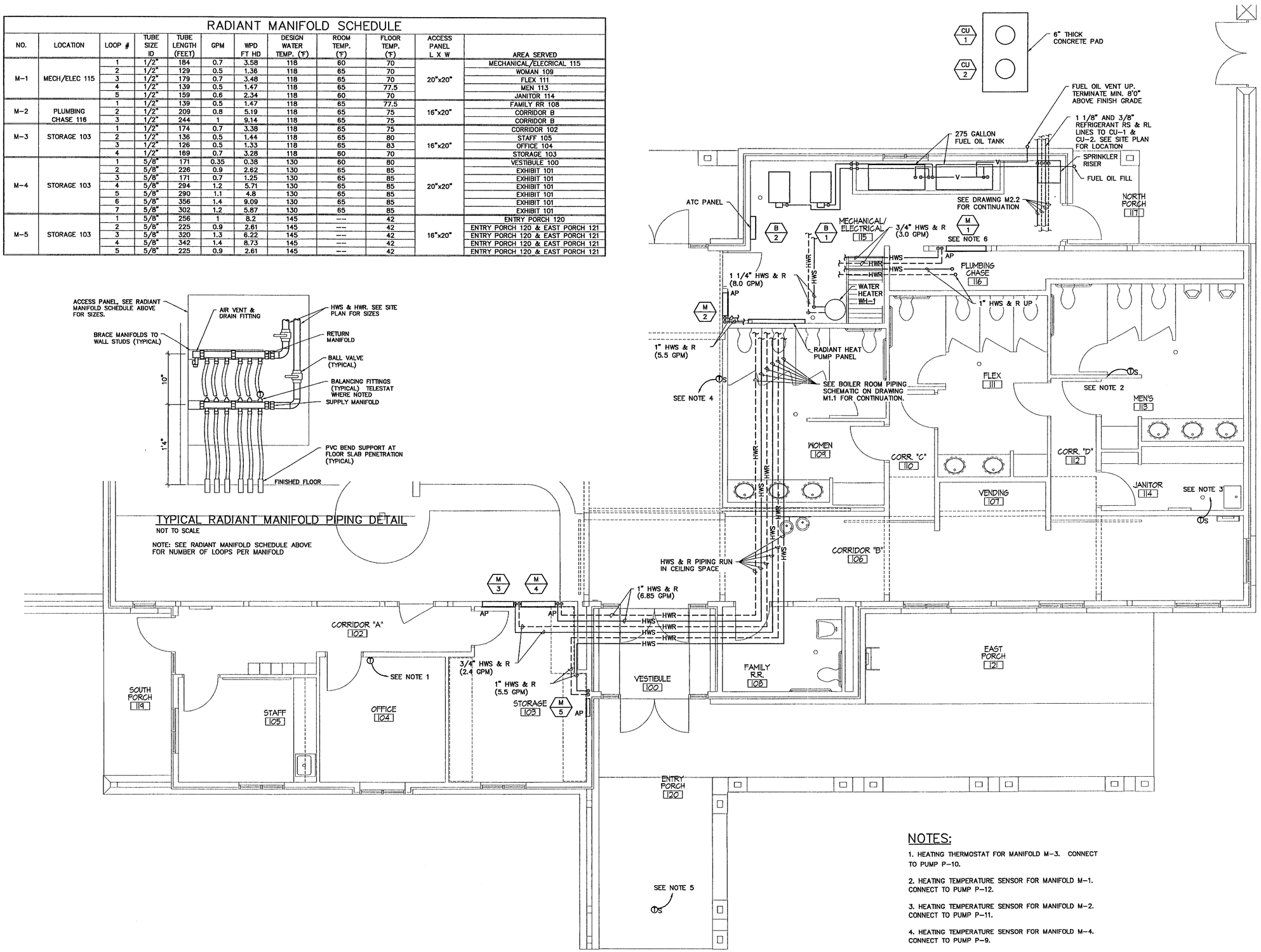
RADIANT MANIFOLD SCHEDULE

NO.	LOCATION	LOOP #	TUBE SIZE ID	TUBE LENGTH (FEET)	GPM	WPD FT HD	DESIGN WATER TEMP. (°F)	ROOM TEMP. (°F)	FLOOR TEMP. (°F)	ACCESS PANEL L X W	AREA SERVED
M-1	MECH/ELEC 115	1	1/2"	184	0.7	3.58	118	60	70	20"x20"	MECHANICAL/ELECRICAL 115
		2	1/2"	129	0.5	1.36	118	65	70		WOMAN 109
		3	1/2"	179	0.7	3.48	118	65	70		FLEX 111
		4	1/2"	139	0.5	1.47	118	65	77.5		MEN 113
		5	1/2"	159	0.6	2.34	118	60	70		JANITOR 114
M-2	PLUMBING CHASE 116	1	1/2"	139	0.5	1.47	118	65	77.5	16"x20"	FAMILY RR 108
		2	1/2"	209	0.8	5.19	118	65	75		CORRIDOR B
		3	1/2"	244	1	9.14	118	65	75		CORRIDOR B
M-3	STORAGE 103	1	1/2"	174	0.7	3.38	118	65	75	16"x20"	CORRIDOR 102
		2	1/2"	136	0.5	1.44	118	65	80		STAFF 105
		3	1/2"	126	0.5	1.33	118	65	83		OFFICE 104
		4	1/2"	169	0.7	3.28	118	60	70		STORAGE 103
M-4	STORAGE 103	1	5/8"	171	0.35	0.38	130	60	80	20"x20"	VESTIBULE 100
		2	5/8"	226	0.9	2.62	130	65	85		EXHIBIT 101
		3	5/8"	171	0.7	1.25	130	65	85		EXHIBIT 101
		4	5/8"	294	1.2	5.71	130	65	85		EXHIBIT 101
		5	5/8"	290	1.1	4.8	130	65	85		EXHIBIT 101
		6	5/8"	356	1.4	9.09	130	65	85		EXHIBIT 101
		7	5/8"	302	1.2	5.87	130	65	85		EXHIBIT 101
M-5	STORAGE 103	1	5/8"	256	1	8.2	145	---	42	16"x20"	ENTRY PORCH 120
		2	5/8"	225	0.9	2.61	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		3	5/8"	320	1.3	6.22	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		4	5/8"	342	1.4	8.73	145	---	42		ENTRY PORCH 120 & EAST PORCH 121
		5	5/8"	225	0.9	2.61	145	---	42		ENTRY PORCH 120 & EAST PORCH 121

TYPICAL RADIANT MANIFOLD PIPING DETAIL

NOT TO SCALE

NOTE: SEE RADIANT MANIFOLD SCHEDULE ABOVE FOR NUMBER OF LOOPS PER MANIFOLD



PIPING PLAN

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

NOTES:

1. HEATING THERMOSTAT FOR MANIFOLD M-3. CONNECT TO PUMP P-10.
2. HEATING TEMPERATURE SENSOR FOR MANIFOLD M-1. CONNECT TO PUMP P-12.
3. HEATING TEMPERATURE SENSOR FOR MANIFOLD M-2. CONNECT TO PUMP P-11.
4. HEATING TEMPERATURE SENSOR FOR MANIFOLD M-4. CONNECT TO PUMP P-9.
5. SNOW MELTING TEMPERATURE SENSOR FOR MANIFOLD M-5. CONNECT TO PUMP P-7.
6. TELESTAT ON FLEX 111 AND MECHANICAL/ELECTRICAL 115 LOOPS.

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PIPING PLAN

M3.2

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ABBREVIATIONS FOR ELECTRICAL DRAWINGS

ACB	AIR CIRCUIT BREAKER
ALT	ALTERNATE
A.C.	ALTERNATING CURRENT
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
A	AMPERE(S)
ATS	AUTOMATIC TRANSFER SWITCH
AF	AMP FRAME
AT	AMP TRIP
BFG	BELOW FINISH GRADE
BW	BUSWAY
CLG	CEILING
CKT	CIRCUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
COND	CONDUCTOR
C	CONDUIT (SEE RACEWAYS AND CONDUCTORS)
CONN	CONNECT
CC	CONTROL CABINET
CHM	COMMUNICATIONS MANHOLE
CP	CONTROL PANEL
CU	COPPER
CT	CURRENT TRANSFORMER
DIM	DIMMER CONTROL
D.C.	DIRECT CURRENT
DISC	DISCONNECT
DPP	DISTRIBUTION POWER PANEL
DP	DOUBLE POLE
DT	DOUBLE THROW
DN	DOWN
E.C.	ELECTRICAL CONTRACTOR
E.HTR	ELECTRIC HEATER
EWC	ELECTRIC WATER COOLER
EMT	ELECTRICAL METALLIC TUBING
EM	EMERGENCY
EOL	END LINE RESISTOR
EXIST	EXISTING
XP	EXPLOSION PROOF
FDR	FEEDER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
F.P.C.	FIRE PROTECTION CONTRACTOR
FLUOR	FLUORESCENT
FL	FLOOR
F.S.C.	FOOD SERVICE CONTRACTOR
FVNR	FULL VOLTAGE NON-REVERSING
HZ	FREQUENCY IN CYCLES PER SECOND
F	FUSE
FS	FUSIBLE SWITCH
GEN	GENERATOR
G.C.	GENERAL CONTRACTOR
GRD	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
H.D.	HOT DIPPED
H.I.D.	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HOA	HAND-OFF-AUTO
H.P.S.	HIGH PRESSURE SODIUM
IMC	INTERMEDIATE METALLIC CONDUIT
INC	INCANDESCENT
IC	INTERCOM
ISO	ISOLATED NEUTRAL
JB	JUNCTION BOX
K	KEY OPERATED
KVAR	KILOVAR(S)
KVA	KILOVOLT AMPERE(S)
KW	KILOWATT(S)
LCT	LIGHTING CONTACTOR
LP	LIGHTING PANEL
L.P.S.	LOW PRESSURE SODIUM
LV	LOW VOLTAGE
LS	LEVEL SENSOR
MCST	MAGNETIC STARTER
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MH	MANHOLE
MTS	MANUAL TRANSFER SWITCH
MC.	MECHANICAL CONTRACTOR
MIKE	MICROPHONE
MTR	MOTOR
MCC	MOTOR CONTROL CENTER
KCMIL	THOUSAND CIRCULAR MIL(S)
N/A	NOT APPLICABLE
NF	NONFUSED
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
N.I.C.	NOT IN CONTRACT
OL	OVERLOAD ELEMENT
OC	OVER COUNTER
PNL	PANEL
P	PILOT INDICATOR
PVC	POLYVINYL CHLORIDE
PLG.C	PLUMBING CONTRACTOR
PT	POTENTIAL TRANSFORMER
PF	POWER FACTOR
PP	POWER PANEL
PRI	PRIMARY
PS	PULL SWITCH
RECP	RECEPTACLE
R	RELAY
RC	REMOTE CONTROL
RGS	RIGID METAL CONDUIT
SEC	SECONDARY
SP	SINGLE POLE
ST	SINGLE THROW
SPK	SPEAKER
SMR	SURFACE METAL RACEWAY
S.S.	SOLID STATE
SST	SOLID STATE TRIP
SW	SWITCH
SWBD	SWITCHBOARD
T.C.C.	TEMPERATURE CONTROL CONTRACTOR
TEMP	TEMPORARY
T	TELEPHONE
TV	TELEVISION
TB	TERMINAL BOX
XFMR	TRANSFORMER
TYP	TYPICAL
UC	UNDER CABINET
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UNG	UNGROUNDED
UPS	UNINTERRUPTED POWER SYSTEM
VP	VAPORPROOF
VAR	REACTIVE VOLT AMPERES
V	VOLT(S)
VA	VOLTAMP(S)
W	WATT(S)
WP	WEATHERPROOF

MOUNTING ABBREVIATIONS

ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AT HEIGHTS INDICATED IN SPECIFICATIONS, SYMBOL SCHEDULES OR AT OUTLETS ON THE DRAWINGS.

SUBSCRIPT
AT OUTLET

OC OVER COUNTER OUTLET: INSTALL BOTTOM OF OUTLET BOX 1-1/2" (38mm) ABOVE HIGHEST ELEMENT OF COUNTER (I.E., BACK SPLASH OR COUNTER TOP IF NO BACK SPLASH).

CR CASEWORK RECESSED OUTLET: MOUNT BOX IN CASEWORK VERTICAL SURFACE.

EQ EQUIPMENT OUTLET: FINAL TERMINATION METHOD AND EXACT LOCATION TO BE DETERMINED FROM EQUIPMENT MANUFACTURER'S SHOP DRAWINGS.

AFF ABOVE FINISHED FLOOR.

AFG ABOVE FINISHED GRADE.

MTH MOUNTING HEIGHT.

ABBREVIATED LIST OF NEMA ENCLOSURE TYPES

TYPE 1: GENERAL PURPOSE. INDOOR.

TYPE 2: DRIP-PROOF. INDOOR.

TYPE 3: DUST-TIGHT. RAIN-TIGHT. INDOOR AND OUTDOOR.

TYPE 3R: RAIN-PROOF. INDOOR AND OUTDOOR.

TYPE 4: WATER-TIGHT AND DUST-TIGHT. NON-CORROSIVE. INDOOR AND OUTDOOR.

TYPE 4X: WATER-TIGHT AND DUST-TIGHT. CORROSION RESISTANT. INDOOR AND OUTDOOR.

TYPE 6: WATER-TIGHT. DUST-TIGHT. SHORT-TIME SUBMERSIBLE. INDOOR AND OUTDOOR.

TYPE 6P: WATER-TIGHT. DUST-TIGHT. LONG-TIME SUBMERSIBLE. INDOOR AND OUTDOOR.

TYPE 7: CLASS 1, GROUPS A, B, C, OR D. INDOOR.

TYPE 8: CLASS 1, GROUPS A, B, C, OR D. INDOOR OR OUTDOOR.

TYPE 9: CLASS II, GROUPS E, F OR G. INDOOR.

TYPE 12: DUST-TIGHT. WATERTIGHT. NONCORROSIVE LIQUID. INDOOR.

TYPE 13: WATER-TIGHT. DUST-TIGHT. OIL-TIGHT. NON-CORROSIVE LIQUID. INDOOR.

SWITCH OUTLET - SMALL LETTER BY THE SIDE OF SYMBOLS INDICATES THE PARTICULAR SWITCH. SAMPLE: S^{a} = SWITCH "a"

- S — SINGLE POLE SWITCH MOUNTED AT 48" OR AS NOTED.
- S_2 — TWO POLE SWITCH MOUNTED AT 48" OR AS NOTED.
- S_3 — THREE WAY SWITCH MOUNTED AT 48" OR AS NOTED.
- S_4 — FOUR WAY SWITCH MOUNTED AT 48" OR AS NOTED.
- S_B — SINGLE POLE BY-PASS SWITCH FOR EMERGENCY LIGHTING MOUNTED AT48"
- S_P — SINGLE POLE SWITCH WITH PILOT LIGHT MOUNTED AT 48" OR AS NOTED.
- S_K — SINGLE POLE KEY OPERATED SWITCH MOUNTED AT 48" OR AS NOTED.
- S_M — H.P. RATED MANUAL MOTOR STARTER (WEATHERPROOF WHERE OUTSIDE).
- S_D — INCANDESCENT SLIDE CONTROL DIMMER AT 48" OR AS NOTED (1500 WATT UNLESS OTHERWISE NOTED).
- S_{OB} — OIL BURNER SWITCH
- (S) — WALL MOUNTED MOTION SENSOR SWITCH
- (SS) — DUAL WALL MOUNTED MOTION SENSOR SWITCH
- (C) — CEILING MOUNTED OCCUPANCY SENSOR, POWER AND RELAY PACK

FIRE ALARM AND DETECTION SYSTEM DEVICES

USE SUBSCRIPT: B - BELL, C - CHIME, G - GONG, H - HORN

- FIRE ALARM MANUAL PULL STATION
- FIRE ALARM AUDIBLE SIGNAL
- FIRE ALARM VISUAL SIGNAL — #cd - CANDELA LEVEL
- WP C — WEATHER PROOF FIRE ALARM COMBINED AUDIBLE/VISUAL SIGNAL WITH VANDAL RESISTANT GUARD
- FIRE ALARM COMBINED AUDIBLE/VISUAL SIGNAL
- FIRE ALARM SMOKE DETECTOR, PHOTOELECTRIC
- FIRE ALARM SMOKE DETECTOR, IONIZATION
- DH — FIRE ALARM DOOR HOLDER
- FIRE ALARM DETECTOR, RATE-OF-RISE.
- FIRE ALARM DETECTOR, FIXED TEMPERATURE, 135° UNLESS OTHERWISE NOTED
- MB — MASTER BOX - RECESSED
- FS — SPRINKLER WATER FLOW SWITCH
- TS — SPRINKLER SUPERVISED VALVE - TAMPER SWITCH
- DUCT TYPE SMOKE DETECTOR
- EOL — END-OF-LINE RESISTOR.
- FACP — FIRE ALARM CONTROL PANEL
- FAAN — FIRE ALARM ANNUNCIATOR

SECURITY

- CAMERA
- M SEC — MONITOR
- REC — RECORDER
- DL — DOOR LOCKS SENTROL - 1085 SERIES
- K — PROXIMITY SMARTCARD READERS - WSE DR 4205 SERIES
- DE — EXIT DETECTOR - KANTECH T.REX SERIES
- SECP — SECURITY CONTROL PANEL - WSE NEXSENRY STAR 1

EMPLOYEE ENTRANCE DOOR CONTROLS PROVIDED BY PELMAC INDUSTRIES PER STATE CONTRACT. VERIFY AND COORDINATE REQUIREMNTS.

RACEWAYS AND CONDUCTORS

- INDICATES CIRCUIT IN CONDUIT RUN IN FLOOR OR UNDERGROUND
- INDICATES CIRCUIT IN CONDUIT CONCEALED IN WALLS OR ABOVE CEILING WHERE POSSIBLE.
- INDICATES HOMERUN TO PANELBOARD OR AS NOTED
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN

RECEPTACLE OUTLETS - NUMERAL BY THE SIDE OF THE SYMBOL INDICATES CIRCUIT NUMBER.

- DUPLEX CONVENIENCE OUTLET MOUNTED AT +18" OR AS NOTED.
- QUADPLEX CONVENIENCE OUTLET MOUNTED AT +18" OR AS NOTED.
- DUPLEX CONVENIENCE OUTLET MOUNTED ABOVE COUNTER. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS.
- SPECIAL OUTLET AS NOTED ON DRAWINGS.
- DEDICATED OUTLET AT +18" OR AS NOTED. 'HUBBELL' #IG5262 (ORANGE) RECEPTACLE WITH ISOLATED GROUND AND TVSS (SURGE SUPPRESSION).
- DENOTES FLOOR MOUNTED DEVICES, CONCRETE BOX WITH BRUSHED STAINLESS STEEL COVER. WALKER CAST-IRON FLOOR BOX - RESOURCE RFB SERIES

LIGHTING

LIGHTING OUTLETS - CAPITAL LETTER INDICATES THE FIXTURE TYPE AS SHOWN ON FIXTURE SCHEDULE. NUMERAL INDICATES CIRCUIT NO. AND SMALL LETTER DESIGNATES THE CONTROL SWITCH. MOUNTING HEIGHT PER LIGHTING FIXTURE SCHEDULE. CONTRACTOR SHALL COORDINATE ALL FIXTURES WITH LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS, TYPICAL.

CEILING	WALL	DESCRIPTION
○	○	SURFACE OR PENDANT INCAN-DESCENT, HID OR SIMILAR LAMP FIXTURE.
		SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE.
		SURFACE OR PENDANT CONTINUOUS
		BARE LAMP FLUORESCENT STRIP.
⊠	⊠	SURFACE OR PENDANT EXIT LIGHT. ARROWS INDICATE ROUTE OF EGRESS.
		EMERGENCY LIGHTING FIXTURE BATTERY OPERATED. ARROWS INDICATE AIMING DIRECTION.

MISCELLANEOUS

- J — JUNCTION BOX IN ACCESSIBLE LOCATION.
- J — JUNCTION BOX IN ACCESSIBLE LOCATION WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT AS NOTED.
- PE — PHOTOCELL ON ROOF (AIM NORTH).
- SEALING FITTING
- FIRE-O-MATIC
- S — CEILING MOUNTED SPEAKER WITH BACKBOX
- WALL MOUNTED SPEAKER WITH BACKBOX

ELECTRICAL SYSTEM COMPONENTS / EQUIPMENT

- FLUSH MOUNTED PANELBOARD AND CABINET. MOUNT 6'-6" (1981mm) TO TOP.
- SURFACE MOUNTED PANELBOARD AND CABINET. MOUNT 6'-6" (1981mm) TO TOP.
- TB — SURFACE MOUNTED TERMINAL CABINET.
- PB — PULL BOX
- MOTOR CONTROLLER - FURNISHED WITH MOTOR.
- MOTOR CONTROLLER - FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SIZE AS NOTED.
- 1 — MOTOR - SIZE AS INDICATED ON DRAWINGS.
- DISCONNECT SWITCH - SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS (WEATHERPROOF WHERE OUTSIDE).
- F — FUSED DISCONNECT SWITCH - SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS (WEATHERPROOF WHERE OUTSIDE).

TELEPHONE SYSTEM DEVICES

- INDICATES TEL/DATA UNLESS OTHERWISE NOTED AND COVER PLATE AT 18" FOR TEL/DATA.
- TMB — 3/4" PLYWOOD TELEPHONE/DATA MOUNTING BOARD WITH #6 CU. GROUND AND DEDICATED DUPLEX CONVENIENCE OUTLET. FURNISH IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS.

ELECTRICAL SITEPLAN LEGEND

- -----E----- DENOTES NEW UNDERGROUND ELECTRICAL
- -----C----- DENOTES NEW UNDERGROUND COMMUNICATIONS
- DENOTES POLE MOUNTED FIXTURE - DOUBLE AND SINGLE HEADS
- HANDHOLE — DENOTES ELECTRIC HANDHOLE

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (N.E.C.) LATEST EDITION, CONTRACTOR TO OBTAIN ALL PERMITS AND ARRANGE FOR ALL INSPECTIONS WITH AUTHORITY HAVING JURISDICTION.

2. COORDINATE ALL SWITCH, RECEPTACLE AND LIGHTING FIXTURE LOCATIONS WITH THE ARCHITECT.

3. ALL EXIT SIGN LIGHTING SHALL BE INSTALLED ON A SEPARATE BRANCH CIRCUIT.

4. ALL LIGHTING AND POWER WIRING SHALL BE IN CONDUIT, ALL RACEWAYS SHALL BE EMT (ELECTRICAL METALLIC TUBING). ALL CONDUCTORS SHALL BE COPPER WITH GROUND (TYPICAL) W/ NUMBER OF CONDUCTORS AS REQUIRED. REFER TO PANEL SCHEDULES, TYPICAL. ALL CONDUCTORS SHALL BE COPPER, WIRE SHALL HAVE TYPE "THHN/THWN" INSULATION UNLESS OTHERWISE NOTED.

5. CONTRACTOR TO LIMIT 20A, 120V BRANCH CIRCUITS TO A MAXIMUM 1920VA LOAD AND 15A, 120V BRANCH CIRCUIT TO A MAXIMUM 1440VA LOAD.

6. ALL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE CEILING IN FINISHED AREAS AND WHEREVER POSSIBLE. WIRING IN UTILITY AREAS (MECHANICAL SPACE) MAY BE RUN EXPOSED AS APPROVED BY THE ARCHITECT. EXPOSED WIRING SHALL BE IN CONDUIT, BE PARALLEL TO BUILDING STRUCTURAL ELEMENTS AND PRESENT A NEAT AND COMPLETE INSTALLATION.

7. CONDUITS, RACEWAYS AND CABLES SHALL BE PROPERLY AND SECURELY ATTACHED TO BUILDING STRUCTURAL COM-PONENTS AS REQUIRED BY N.E.C. ALL FASTENERS AND HARDWARE SHALL BE APPROVED FOR THE INSTALLATION AND THE CONDITIONS ENCOUNTERED.

8. EACH OUTLET OR JUNCTION IN ANY OF THE WIRING SYSTEMS SHALL BE MADE IN AN APPROVED, METALLIC JUNCTION BOX. SUCH BOX SHALL BE SUITABLE FOR THE SIZE AND NUMBER OF CONDUCTORS AND DEVICES TO BE INSTALLED, AS WELL AS THE CONDITION ENCOUNTERED. ALL SPLICES SHALL BE MADE WITH APPROVED, MECHANICAL CONNECTORS.

9. CONTRACTOR SHALL VERIFY ALL STRUCTURAL, ARCHITECTURAL AND MECHANICAL CONDITIONS (DUCT CLEARANCES, COUNT-ER HEIGHTS, DOOR SWINGS, ETC.) PRIOR TO ROUGH IN FOR ELECTRICAL EQUIPMENT.

10. ALL ELECTRICAL WORK SHALL BE CAREFULLY COORDINATED WITH THE WORK OF OTHER TRADES AND ON-SITE CONDITIONS. WHERE CUTTING, DRILLING OR ALTERATION TO THE WORK OF OTHERS IS NECESSARY, FOR THE PROPER INSTALLATION OF ELECTRICAL EQUIPMENT, SUCH WORK SHALL BE PLANNED IN ADVANCE WITH THE GENERAL CONTRACTOR AND SHALL BE CARE-FULLY DONE. ANY DAMAGE TO THE BUILDINGS OR EQUIPMENT SHALL BE REPAIRED BY PROPERLY TRAINED PERSONNEL, TO THE SATISFACTION OF THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.

11. DURING ROUGH IN AND FINISHED STAGES OF CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND KEEP CLEAN ALL ELECTRICAL EQUIPMENT, PANELS, FIXTURES AND DEVICES.

12. THE CONTRACTOR SHALL PROVIDE ALL INFORMATION ABOUT EQUIPMENT WHICH IS BEING FURNISHED TO THE GENERAL CONTRACTOR FOR COORDINATION PURPOSES. THE CONTRACTOR SHALL PROVIDE ALL INSTALLATION DETAILS AND SUPPORT COMPONENTS TO THE GENERAL CONTRACTOR SO THAT THESE MAY BE BUILT INTO THE CONSTRUCTION IN A TIMELY MANNER.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE FINAL LOCATIONS OF MECHANICAL, HVAC AND OWNER'S EQUIPMENT AND POWER CONNECTION DETAILS SO THAT THE ASSOCIATED ELECTRICAL WORK WILL BE PROPERLY COORDINATED AND INSTALLED.

14. PROVIDE EACH MECHANICAL FAN, PUMP OR HVAC UNIT WITH FUSED DISCONNECT, WEATHERPROOF NEMA 3R & 12 (WP), FOR OUTDOOR, NEMA 1 FOR INDOOR. FUSE TO MATCH EQUIPMENT NAMEPLATE OF EQUIPMENT.

15. THE ARCHITECT RESERVES THE RIGHT TO RELOCATE ANY LIGHTING FIXTURE AND/OR ALL EXPOSED ELECTRICAL DEVICES SHOWN TO WITHIN FIVE (5) FEET OF THAT LOCATION AS TO WORK WITH FINAL FIT-UP REQUIREMENTS IN FINISHED AREAS NOT INCLUDING MECHANICAL/ELECTRICAL ROOM 115 AND UNFINISHED ATTIC SPACE 201.

16. ALL MECHANICAL EQUIPMENT SHALL HAVE HACR RATED BREAKERS PER N.E.C. REQUIREMENTS.

17. INSTALL EMERGENCY LIGHTING FIXTURES AHEAD OF LOCAL SWITCHING PER N.E.C. ARTICLE 701-11(f).

18. ALL WIRING SHALL BE ROUTED CONCEALED IN FINISH SPACES, UTILIZE SURFACE RACEWAY IN MECH/ATTIC SPACES ONLY. (WITH ALL NECESSARY FITTINGS/HARDWARE AND ATTACHMENT) WITH STRANDED TYPE TYPE THHN/THWN CONDUCTOR. ALL COMPONENTS SHALL BE PAINTED AS DIRECTED BY ARCHITECT. COORDINATE MOUNTING WITH ARCHITECT.

19. THE INTERIOR ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NEC. ALL METALLIC RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY SECURE ALL JOINTS AND ALL BOXES, CABINETS, FITTINGS, AND EQUIPMENT.

20. UPON COMPLETION OF WORK THE INSTALLING CONTRACTOR SHALL PROVIDE ALL PANELBOARD CIRCUITS DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS.

21. ALL RACEWAYS SHALL PROVIDED WITH EQUIPMENT GROUND CONDUCTOR. EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL ELECTRICAL RACEWAYS AND SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 250 AND SHALL BE CONTINUOUS.

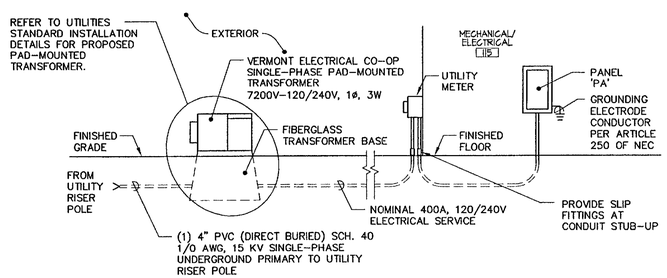
22. ELECTRICAL INSTALLATION CONTRACTOR SHALL CLEARLY IDENTIFY ALL INCOMING CONDUCTORS BY CIRCUIT NUMBER DURING INSTALLATION IN THE DISTRIBUTION PANELS (E.G. CABLE MARKERS #1, #11 ETC).

23 LOCATION OF ALL OUTLETS SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL CHECK ALL MEASUREMENTS AND VERIFY EXACT LOCATION WITH ARCHITECT. THE ARCHITECT RESERVES THE RIGHT TO RELOCATE ANY OR ALL OUTLETS SHOWN TO WITHIN FIVE (5) FEET OF THAT LOCATION AS TO WORK WITH FINAL FIT-UP REQUIREMENTS IN FINISHED AREAS, NOT INCLUDING MECHANICAL/ELECTRICAL ROOM 115 AND UNFINISHED ATTIC SPACE 201.

24. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLATION TESTING, CALIBRATING, AND OTHERWISE MAKING OPERATIONAL ALL DEVICES AND EQUIPMENT SHOWN ON THESE DRAWINGS.

25. IT IS THE INTENT OF DRAWINGS AND SPECIFICATION, TO OBTAIN A COMPLETE AND SATISFACTORY INSTALLATION. AN ATTEMPT HAS BEEN MADE TO SEPARATE AND DEFINE THE WORK OF THE CONTRACTOR. DRAWINGS ARE DIAGRAMMATIC , BUT SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION OF THE FACILITY AND THE WORK OF OTHER TRADES WILL PERMIT. THE DRAWINGS AR NECESSITY UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS TO INDICATE VARIOUS ITEMS OF WORK. THEREFORE, NO INTERPRETATION WILL BE MADE FROM THE LIMITATION OF SYMBOLS AND DIAGRAMS THAT ANY ELEMENTS NECESSARY OF THE COMPLETE INSTALLATION ARE EXCLUDE. THE ARCHITECT SHOULD BE NOTIFIED OF AN DISCREPANCIES, OMISSIONS, CONFLICTS, OR INTERFERENCE WHICH OCCUR BETWEEN VARIOUS DRAWINGS AND SPECIFICATIONS. IF SUCH NOTIFICATION IS NOT RECEIVED, THE INSTALLING CONTRACTOR(S) SHALL BE RESPONSIBLE FOR THEIR INTERPRETATIONS.

26. OUTLETS TO HAVE GROUND TERMINAL UP.



ELECTRICAL RISER DIAGRAM

NOT TO SCALE

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #M 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: NONE
CHECKED:
PROJECT NO: 2003

ELECTRICAL LEGEND, NOTES & FIXTURE SCH.

E0.1

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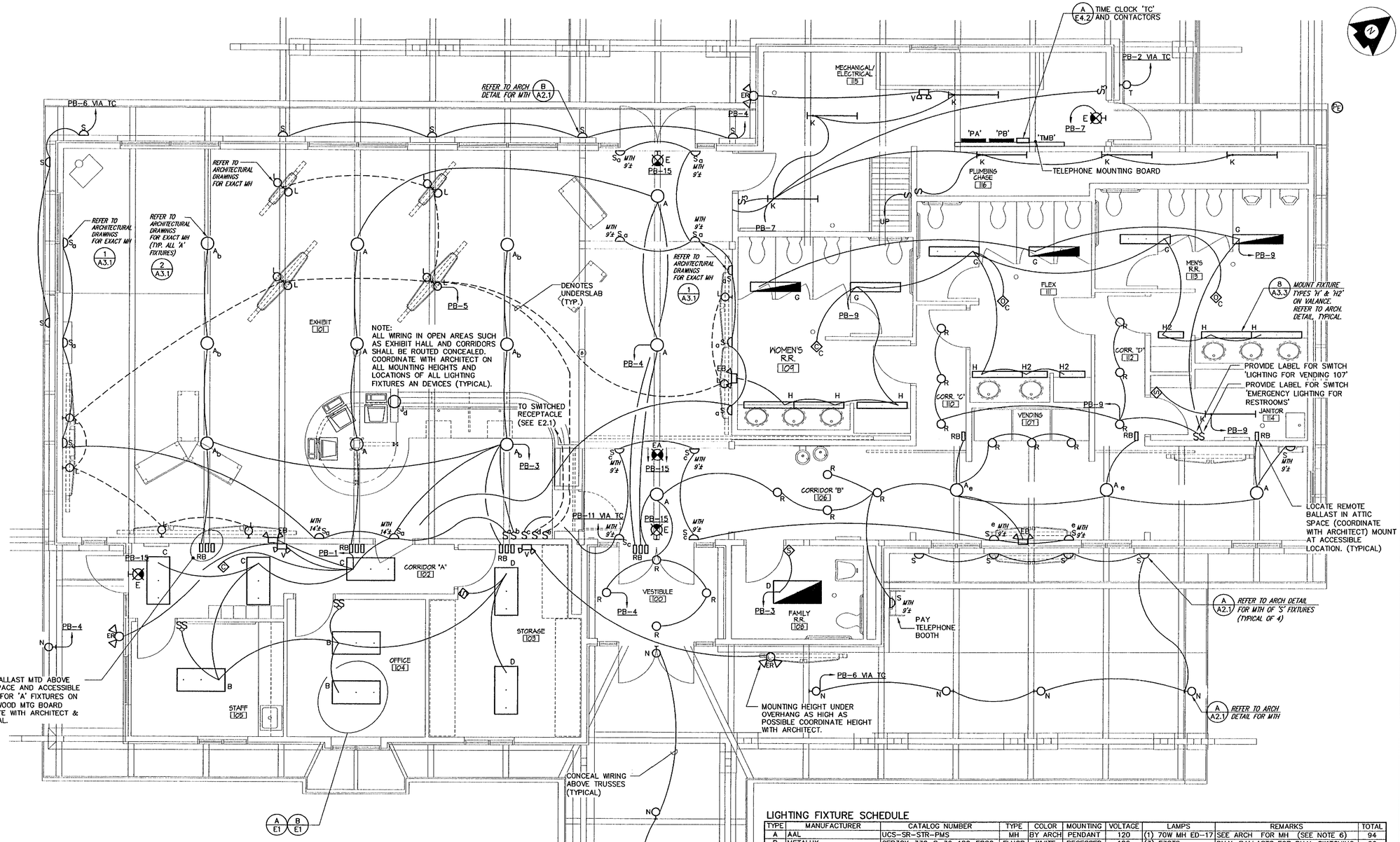


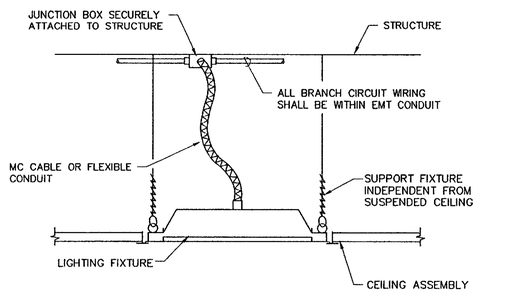
LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	TYPE	COLOR	MOUNTING	VOLTAGE	LAMPS	REMARKS	TOTAL
A	AAL	UCS-SR-STR-PMS	MH	BY ARCH	PENDANT	120	(1) 70W MH ED-17	SEE ARCH FOR MH (SEE NOTE 6)	94
B	METALUX	2EP3GX-332-S-36-120-EB82	FLUOR	WHITE	RECESSED	120	(3) F32T8	DUAL BALLASTS FOR DUAL SWITCHING	96
C	METALUX	2GC-332-A125-120-EB82	FLUOR	WHITE	RECESSED	120	(3) F32T8		96
D	METALUX	2EP3GX-232-S-16-120-EB81	FLUOR	WHITE	RECESSED	120	(2) F32T8		62
E	SURE-LITES	CAX-7170-R-SD	LED	BLACK	WALL	120	L.E.D. (FURNISHED)	MOUNT AT 100" A.F.F..	6
EA	SURE-LITES	CAX-7270-R-SD	LED	BLACK	WALL	120	L.E.D. (FURNISHED)	MOUNT AT 100" A.F.F..	6
EB	LIGHTGUARD	11-A-QTTP	EMERG	ALUM	WALL	120	(2) 35W MR16		39
ER	SURE-LITES	12T-12-DWXX	EMERG	BY ARCH	WALL	12	(2) 12W - 12V #C29-79		24
G	KURTZON LIGHTING	VL-F-1-1x4-2/OCT-120-1/13	FLUOR	WHITE	CEILING	120	(2) F32T8		64
H	METALUX	SS-132-120-EB1	FLUOR	WHITE	WALL	120	(1) F32T8	W/ SSL4INREV4FTREFLSR	32
H2	METALUX	SS-117T8-120-EB1	FLUOR	WHITE	WALL	120	(1) F17T8	W/ SSL4INREV4FTREFLSR	17
J	POULSON	PH4-3		BY ARCH	TABLE	120		WIRE TO SWITCHED RECEPTACLE	
K	METALUX	DCIM-232-120-EB81	FLUOR	WHITE	SURFACE	120	(2) F32T8		64
L	ABOLITE LIGHTING	URB100-INC-120-BRU-GBD3BRU	INCAN	ALUM	SURFACE	120	100W	GOOSENECK = TO GBD3 WITH 9" RAD	U300
M	LITHONIA	TWAC50M-120	MH	WHITE	WALL	120	(1) 50W MH		73
N	AAL	UCS-SR-STR-WST	MH	BY ARCH	WALL	120	(1) 70W MH ED-17	SEE ARCH FOR MH	94
R	BEGA	1129/540	FLUOR	STEEL	RECESSED	120	(1) 20W G4, 12W	W/ GUARD	40
S	BEGA	3016P	FLUOR	STEEL	WALL	120	(2) 9W PL	W/ COLD TEMP. BALLAST. SEE NOTE 5.	21
T	BEGA	2114		STEEL	WALL	12	(1) 20WG4, 12V	W/ GUARD	25
V	SURE-LITES	CC-7	EMERG		WALL@7'-0"	120	W/ UNIT		25

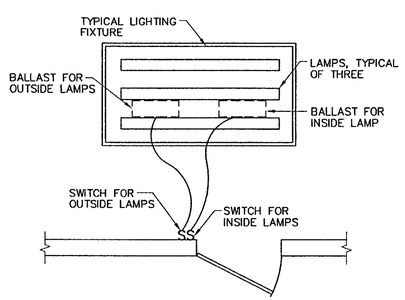
1. ALL EXIT SIGNS ('E' AND 'EA') ARE CIRCUITED TO PANEL PB-15, TYPICAL.
2. CONTRACTOR TO COORDINATE ALL FIXTURES WITH LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS.
3. ALL FLUORESCENT FIXTURES SHALL CONTAIN ELECTRONIC BALLAST, METAL-HALIDE FIXTURES SHALL BE PULSE-START.
4. LAMP COLORS SHALL BE 35K TYPICAL FOR ALL FLUORESCENT FIXTURES.
5. COORDINATE W/ ARCHITECT WHICH 'S' FIXTURES SHALL BE UPLIGHT OR DOWNLIGHT, TYPICAL.
6. PROVDIE WITH REMOTE BALLAST (LOCATIONS AS SHOWN ON PLANS) (▯RB -DENOTES REMOTE BALLAST)

▬ DENOTES LIGHTING FIXTURE COMPLETE WITH FLUORESCENT EMERGENCY BATTERY PACK EQUAL TO SURE-LITES FBP SERIES OR APPROVED EQUAL.

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



TYPICAL MOUNTING DETAIL FOR LIGHTING FIXTURE TYPES 'B', 'C' AND 'D' (A E1)
NOT TO SCALE



2-SWITCH CONTROL OF LIGHT FIXTURES (B E1)
NOT TO SCALE

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
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PROJECT NO: 2003

LIGHTING PLAN

E1.1

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LIGHTING PROTECTION GROUND GRID AT 3'-0" OFF-EDGE OF BUILDING FOUNDATION @ 2'-0" BELOW FINISHED GRADE.

#4/0 AWG GROUND GRID AROUND BUILDING @ 24" BELOW FINISHED GRADE APPROXIMATELY 3' OFF OUTSIDE EDGE OF FOUNDATION (ALL AROUND BUILDING).

3/4"x10' GROUND ROD (TYPICAL @ EACH CORNER OF BUILDING)

LIGHTNING PROTECTION CABLING SYSTEM. ALL CABLE RUNS SHALL BE HIDDEN. (REFER TO SPECIFICATIONS) (TYPICAL)

UP TO AIR TERMINALS ROUTE CONCEALED IN WALL ASSEMBLY

1" CONDUIT UNDERFLOOR, TYPICAL

IN-FLOOR (TYPICAL) EXACT LOCATION BY ARCHITECT. SEE DRAWINGS A11.1 COORDINATE W/ IN-FLOOR HEATING SYSTEM, TYPICAL.

TO TEL. BACKBOARD IN MECH/ELECT. RM.

CABLES TO DESK. (1) SVIDEO AND BNC CABLES OR AS SPECIFIED BY ARCHITECT.

COORDINATE EXACT LOCATION WITH ARCHITECT.

WHERE CEILING IS OPEN TRUSS SMOKE DETECTORS SHALL BE LOCATED AT HIGHEST POINT PER NFPA 72. TYPICAL

RECEPTACLE FOR PLASMA SCREEN T.V. M.H. AT 9"AFF

TO WALL SWITCH (CKT RECP ON PA-15)

WALL MTD SEE ARCHITECTS DRAWINGS. [DS]

UNDERGROUND (TYPICAL)

1" PVC CONDUIT UNDERFLOOR

REFER TO SPEAKER NOTE 1 THIS DRAWING

TO TEL. BACKBOARD IN MECH/ELECT. RM.

COORDINATE WITH ARCHITECT FOR EXACT MH OF RECEPTACLE AND TV CABLES.

PA-41 1" CONDUIT UNDERFLOOR/ IN CASEWORK

PB-33,35,37&39

ACCESSIBLE JB'S IN STORAGE RM @ 18" AFF

REFER TO PEOPLE COUNTER NOTE 1 THIS DRAWING.

PROVIDE 3/4" EMT CONDUIT AND WIRE TO PANEL 'PA' FOR AUTOMATIC DOOR OPERATORS (COORDINATE W/ ARCHITECT), TYPICAL OF 2.

REFER TO PEOPLE COUNTER NOTE 2 THIS DRAWING.

COORDINATE EXACT POWER REQUIREMENTS AND MOUNTING HEIGHT FOR BIRD CONTROL EQUIPMENT.

PROVIDE VANDAL RESISTANT GUARD FOR ALL EXTERIOR FIRE ALARM DEVICES. (SEE A2.1 FOR MTG HEIGHT.)

INSTALL ON WALL ABOVE. TERMINATE WIRING AT DESK IN ROOM 101 OR OFFICE 104. CONCEAL WIRING. (SEE SPEAKER NOTE 1 THIS DRAWING) MH BY ARCHITECT (TYPICAL)

COORDINATE EXACT LOCATIONS OF POWER REQUIREMENTS FOR AUTOMATIC FAUCETS WITH DIV. 15. (TYPICAL)

COORDINATE EXACT LOCATION WITH MECHANICAL DDC EQUIPMENT.

LOCATE S_{ob} SWITCHES AS DIRECTED BY ARCH/ STATE OF VERMONT LABOR AND INDUSTRY (TYP.)

REFER TO ES-1

TO TRANS-FORMER

UNDERGROUND ELECTRICAL SERVICE

CU-1

CU-2

PA-32,34

PA-36,38

UNDERGROUND TELEPHONE SERVICE

BOILER CONTROL PANEL

190° FIRE-O-MATIC SWITCH

TIME CLOCK 'TC' AND CONTACTORS 'PA' 'PB' 'TMB'

UTILITY METER

PROVIDE COMPLETE WIRING FOR AUTOMATIC FLUSHOMETERS PER MANUFACTURERS INSTRUCTIONS. COORDINATE WITH DIV. 15. (TYPICAL)

PROVIDE COMPLETE WIRING FOR AUTOMATIC FAUCETS (TYPICAL)

REFER TO SPEAKER NOTE 1 THIS DRAWING

ADD PERM LABELS FOR ALL SWITCHES.

BLANK COVER

COORDINATE EXACT POWER REQUIREMENTS FOR TTY CONNECTION AT PUBLIC PHONE

MOUNT SMOKE DETECTORS ON TRUSSES AT HIGHEST POINT IN CEILINGS PER NFPA 72. (TYPICAL) REFER TO REFLECTED CEILING PLAN INSTALL BETWEEN PANELS. INSTALL PER MANUFACTURER'S LISTING.

COORDINATE EXACT POWER REQUIREMENTS FOR BIRD CONTROL EQUIPMENT. SEE BIRD CONTROL NOTE 1. TYPICAL OF 3.

BLANK COVER

COORDINATE EXACT POWER REQUIREMENTS FOR TTY CONNECTION AT PUBLIC PHONE

EXACT LOCATION OF DEVICES TO BE COORDINATED WITH ARCHITECTUAL PEDESTAL.

COORDINATE EXACT POWER REQUIREMENTS FOR BIRD CONTROL EQUIPMENT. SEE BIRD CONTROL NOTE 1. TYPICAL OF 3.

WOMEN 104

MEN'S 113

FLEX 111

CORR 'A' 112

CORR 'B' 110

CORR 'C' 110

JANITOR 114

VENDING 107

CORRIDOR 'B' 106

CORRIDOR 'A' 102

FAMILY RR 108

VESTIBULE 100

OFFICE 104

STORAGE 103

STAFF 105

MECHANICAL/ ELECTRICAL 115

PLUMBING CHASE 116

EXHIBIT 101

SPEAKER NOTE:

1. WIRING FOR SPEAKER SHALL BE TERMINATED AT A LOCATION AS DETERMINED BY OWNER. (TYPICAL) PROVIDE MINIMUM OF 50' CABLE – TO BE TERMINATED AT DESK IN ROOM 101 OR OFFICE 104. CONCEAL WIRING.

PEOPLE COUNTER NOTES:

1. ELECTRONIC COUNTER INSTALLATION PER MANUFACTURE'S INSTRUCTIONS COUNTER AND REFLECTOR EQUAL TO RILCO INC. (513) 271-0630 MODEL P5KC16/W/ REFLECTOR AND P5KC30 COUNTER. MTG HT AT 18"± (COORDINATE W/ ARCHITECT ON MTG DETAIL.)

2. REFLECTOR MOUNTED ON STONE. PROVIDE MOUNTING DETAIL TO ARCHITECT PRIOR TO INSTALLATION AS PART OF SHOP DRAWINGS PROCESS.

BIRD CONTROL NOTE:

1. ULTRASONIC BIRD REPELLER INSTALLATION PER MANUFACTURER'S INSTRUCTIONS, EQUAL TO BIRD-X QUADBLASTER QB-4. (COORDINATE W/ ARCHITECT ON EXACT MOUNTING HEIGHT.)

SECURITY SYSTEM/ACCESS CONTROL:

1. ALL WIRING SHALL BE INSTALLED CONCEALED.

2. COORDINATE ALL PLACEMENT OF DEVICES, HARDWARE AND WIRING WITH ARCHITECT AND SPECIALLITY CONTRACTOR FOR SAID SYSTEMS.

POWER, TELEPHONE AND FIRE ALARM PLAN

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

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REVISIONS

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NEW FACILITY

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POWER, TELEPHONE AND FIRE ALARM PLAN

E2.1

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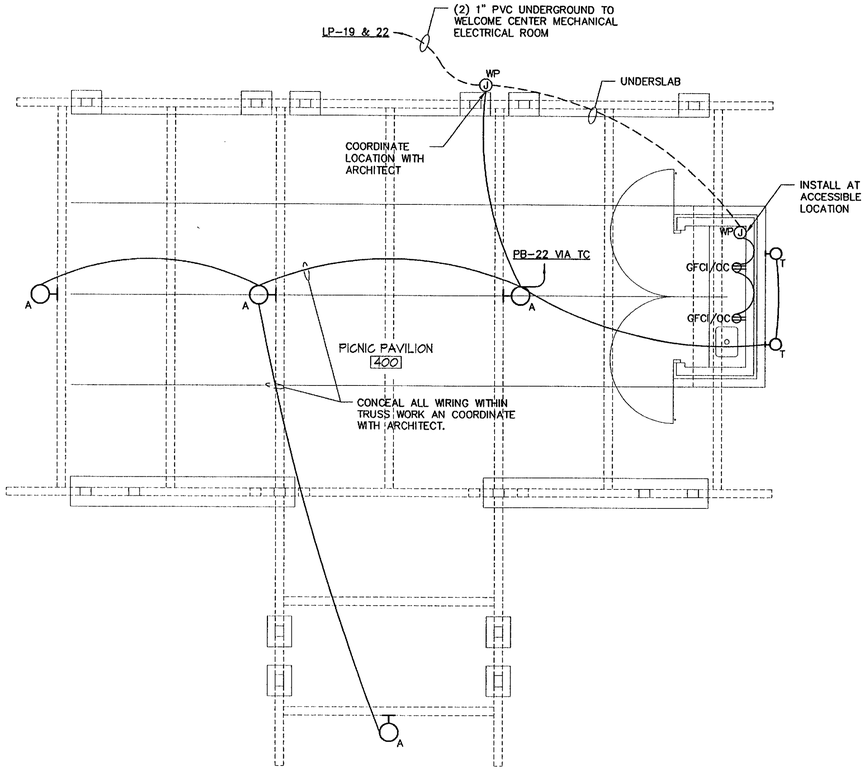
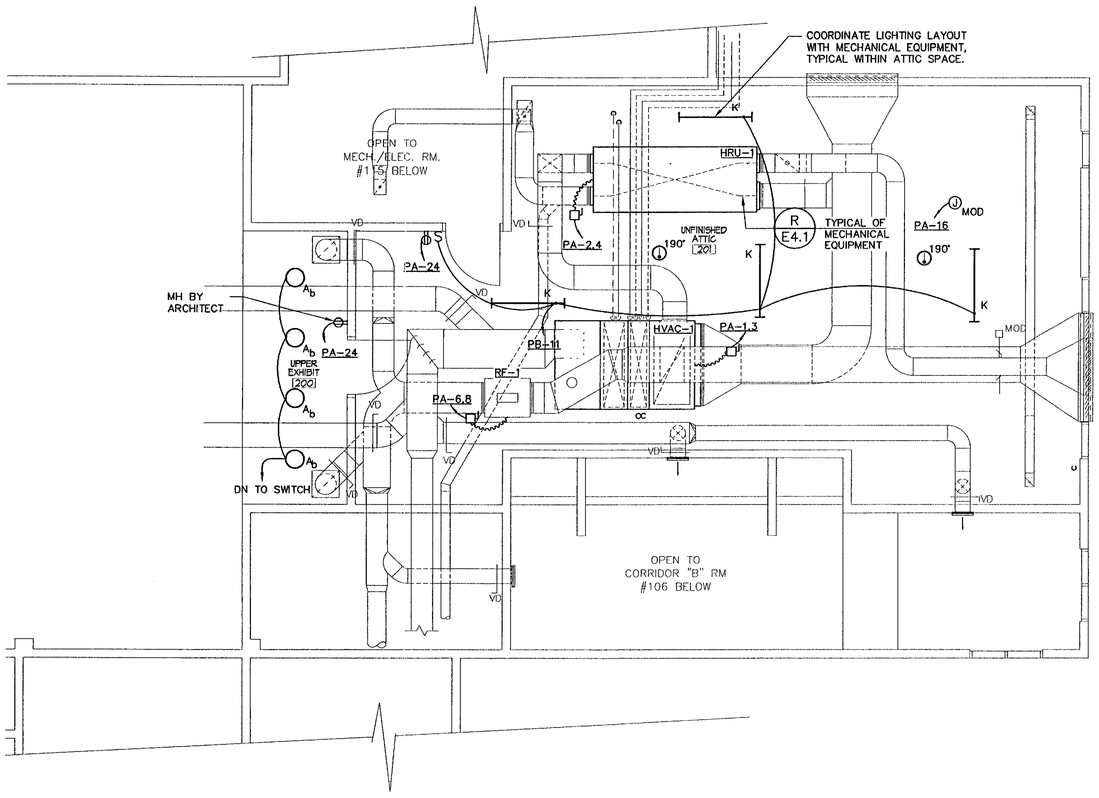
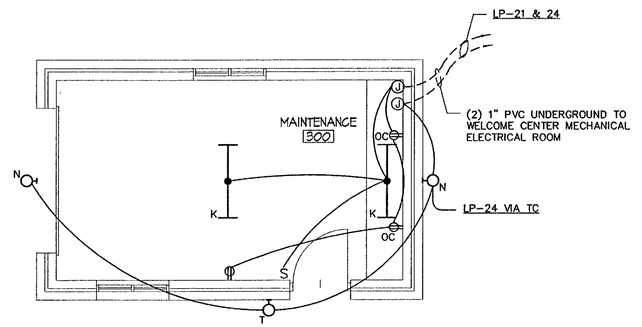


PICNIC PAVILION –
LIGHTING, POWER, TELEPHONE AND FIRE ALARM PLAN
SCALE = 1/4" = 1'-0"



UNFINISHED ATTIC –
LIGHTING, POWER, TELEPHONE AND FIRE ALARM PLAN
SCALE = 1/4" = 1'-0"



MAINTENANCE BUILDING –
LIGHTING, POWER, TELEPHONE AND FIRE ALARM PLAN
SCALE = 1/4" = 1'-0"

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
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UNFINISHED ATTIC LTG/PWR /FA PLAN & SPECIAL SYS DIAGRAMS

E3.1

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PANEL No. PA

BUS 400A
PANEL RATING 42 KAIC
SUPPLY VOLTAGE 120/240V
SERVICE 1 PHASE, 3 WIRE

LOCATION MECHANICAL/ELECTRICAL 115
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	BREAKER POLE	BREAKER A	CKT. NO	bus conn	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	DESCRIPTION	WIRING COND	WIRING WIRE
3#8,1#8G	1"	MECH – HVAC–1 (5 HP)	1610		2	50	1	x	2	2	15	795		MECH – HRU–1 (3/4 HP)	3/4"	3#12,1#12G
				1610			3	x	4				795			
3#2,1#2G	2"	PANEL PB	14614		2	150	5	x	6	2	15	795		MECH – RF–1 (3/4 HP)	3/4"	3#12,1#12G
				12893			7	x	8				795			
2#12,1#12G	3/4"	RECP – STAFF 105	1260		1	20	9	x	10	1	20	1330		MECH – B–1	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – OFFICE 104		1440	1	20	11	x	12	1	20		1330	MECH – B–2	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – STORAGE 108	1260		1	20	13	x	14	1	20	500		MECH – PUMPS	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – EXHIBIT 101		900	1	20	15	x	16	1	20		300	MECH – MOV JBOX	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – EXHIBIT 101	1080		1	20	17	x	18	1	20	500		MECH – BATHROOMS JBOXES	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – EXHIBIT 101		720	1	20	19	x	20	1	20		500	MECH – BATHROOMS JBOXES	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – EXHIBIT 101	540		1	20	21	x	22	1	20	500		EQUP – SECURITY CAMERAS	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – BATHROOMS 108&9		540	1	20	23	x	24	1	20		360	RECP – ATTIC	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – BATHROOMS 111, 113	720		1	20	25	x	26	2	20	750		MECH – WH–2	3/4"	3#12,1#12G
2#12,1#12G	3/4"	RECP – PAYPHONES		500	1	20	27	x	28				750			
2#12,1#12G	3/4"	RECP – CORR. 'B','C','D'&14	1260		1	20	29		30	1	20	600		MECH – PUMPS	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – VENDING 107		800	1	20	31	x	32	2	60		8000	MECH – CU–1	1 1/4"	3#6,1#6G
2#12,1#12G	3/4"	RECP – VENDING 107	800		1	20	33	x	34			8000				
2#12,1#12G	3/4"	RECP – VENDING 107		800	1	20	35		36	2	60		8000	MECH – CU–2	1 1/4"	3#6,1#6G
2#12,1#12G	3/4"	RECP – MECH/ELEC 115	540		1	20	37	x	38			8000				
2#12,1#12G	3/4"	RECP – EXTERIOR		1080	1	20	39	x	40	1	20		200	MECH – DDC	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – TV EQUIP AT DESK	540		1	20	41		42	1	20			SPARE		
		TOTAL 1	24224	21283					TOTAL	2		21770	21030			
		TOTAL 2	21770	21030												
		TOTAL 1 + 2	45994	42313												
		CONN. LOAD TOTAL	88307													
		AMPERES	368													

MAIN BREAKER 400A
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 3#500KCMIL, 4"C
SOURCE UTILITY TRANSFORMER
PANEL TYPE BOLT–ON

MAIN LUGS N/A
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. PB

BUS 150A
PANEL RATING 22 KAIC
SUPPLY VOLTAGE 120/240V
SERVICE 1 PHASE, 3 WIRE

LOCATION MECHANICAL/ELECTRICAL 115
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	BREAKER POLE	BREAKER A	CKT. NO	bus conn	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	DESCRIPTION	WIRING COND	WIRING WIRE
2#12,1#12G	3/4"	LTS – ROOMS 101–105	981		1	20	1	x	2	1	20	400		EQUP – DOOR HOLDERS	3/4"	2#12,1#12G
2#12,1#12G	3/4"	LTS – EXHIBIT 101		1098	1	20	3	x	4	1	30		858	LTS – ALWAYS ON LIGHTS	3/4"	2#12,1#12G
2#12,1#12G	3/4"	LTS – EXHIBIT 101	1400		1	20	5	x	6	1	20	523		LTS – EAST PORCH	3/4"	2#12,1#12G
2#12,1#12G	3/4"	LTS – MECHANICAL ROOMS		409	1	20	7	x	8	1	20		564	LTS – SITE LIGHTS	SEE	DWG ES1
2#12,1#12G	3/4"	LTS – BATHROOMS	832		1	20	9	x	10	2	20	660		LTS – SITE LIGHTS	SEE	DWG ES1
2#12,1#12G	3/4"	LTS – CORR. "B" 106		126	1	20	11	x	12				840			
2#12,1#12G	3/4"	LTS – CORR. "B" 106&VEST	922		1	20	13	x	14	2	20	300		LTS – SITE LIGHTS	SEE	DWG ES1
2#12,1#12G	3/4"	LTS – EXIT		12	1	20	15	x	16				300			
2#12,1#12G	3/4"	LTS – ATTIC 201	256		1	20	17	x	18	2	20	360		LTS – SITE LIGHTS	SEE	DWG ES1
2#10,1#10G	1"	PICNIC AREA		548	1	20	19	x	20				360			
2#10,1#10G	1"	STORAGE BUILDING	274		1	20	21	x	22	1	20	376		LTS – PICNIC PAVILION	1"	2#10,1#10G
2#12,1#12G	3/4"	JBOX – HAND DRYERS		1150	1	20	23	x	24	1	20		188	LTS – STORAGE BLD EXTERIOR	1"	2#10,1#10G
2#12,1#12G	3/4"	JBOX – HAND DRYERS	1150		1	20	25	x	26	1	20	500		EQUP – TIME CLOCK	3/4"	2#12,1#12G
2#12,1#12G	3/4"	JBOX – HAND DRYERS		1150	1	20	27	x	28	1	20		500	EQUP – FIRE ALARM	3/4"	2#12,1#12G
2#12,1#12G	3/4"	JBOX – HAND DRYERS	1150		1	20	29	x	30	1	20	500		EQUP – SECURITY EQUIPMENT	3/4"	2#12,1#12G
2#12,1#12G	3/4"	RECP – BIRD CONTROL		360	1	20	31	x	32	1	20		400	EQUP – PEOPLE COUNTER	3/4"	2#12,1#12G
2#12,1#12G	3/4"	EQUIP – AUTO DOORS	1130		1	20	33	x	34	2	20	1020		LTS – SITE LIGHTS	SEE	DWG ES1
2#12,1#12G	3/4"	EQUIP – AUTO DOORS		1130	1	20	35	x	36				1020			
2#12,1#12G	3/4"	EQUIP – AUTO DOORS	1130		1	20	37	x	38	1	20			SPARE		
2#12,1#12G	3/4"	EQUIP – AUTO DOORS		1130	1	20	39	x	40	2	20		750	LTS – SITE LIGHTS	SEE	DWG ES1
		SPARE			1	20	41	x	42			750				
		TOTAL 1	9225	7113					TOTAL	2		5389	5780			
		TOTAL 2	5389	5780												
		TOTAL 1 + 2	14614	12893												
		CONN. LOAD TOTAL	27507													
		AMPERES	115													

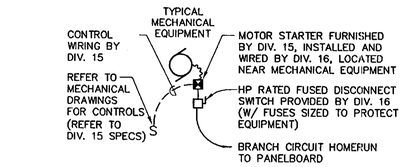
MAIN BREAKER N/A
FEEDER ENTRANCE TOP
FEEDER SIZE 3#1/0, 1#6G, 2"C
SOURCE PANEL PA
PANEL TYPE BOLT–ON

MAIN LUGS 150A
ENCLOSURE TYPE NEMA 1
ACCESSORIES

MECHANICAL EQUIPMENT – ELECTRICAL REQUIREMENTS SCHEDULE

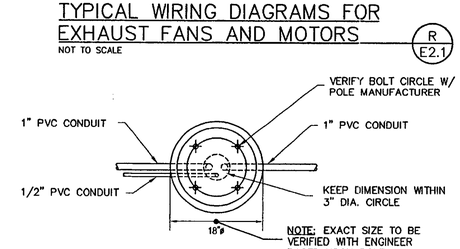
MECHANICAL EQUIPMENT EQUIPMENT	DESCRIPTION	ELECTRICAL EQUIPMENT DISCONNECT	CONTROLS	NOTES
HVAC–1	AIR HANDLING UNIT 5 HP, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 60A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
CU–1	CONDENSING UNIT 69.4A, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 60A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
CU–2	CONDENSING UNIT 69.4A, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 60A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
HRU–1	HEAT RECOVERY UNIT 3/4 HP, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 30A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
RF–1	RETURN FAN 3/4 HP, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 30A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
WH–2	WATER HEATER 1500W, 240V, 1P, 60HZ	3P, NEMA 1, 250V, HD, 30A NON–FUSED (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
B–1	BOILER 1 1/4 HP, 120V, 1P, 60HZ	1P, 120V, MOTOR RATED SERVICE SWITCH (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
B–2	BOILER 2 1/4 HP, 120V, 1P, 60HZ	1P, 120V, MOTOR RATED SERVICE SWITCH (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
PUMPS	PUMPS 1/6 HP, 120V, 1P, 60HZ	1P, 120V, MOTOR RATED SERVICE SWITCH (FURNISH & INSTALLED BY DIV 16)	FURNISHED BY DIV. 15, INSTALLED BY DIV 15	NOTES 1, 2
JBOXES	FOR CONTROLS 120V, 1P, 60HZ	(FURNISH & INSTALLED BY DIV 16)		NOTES 2

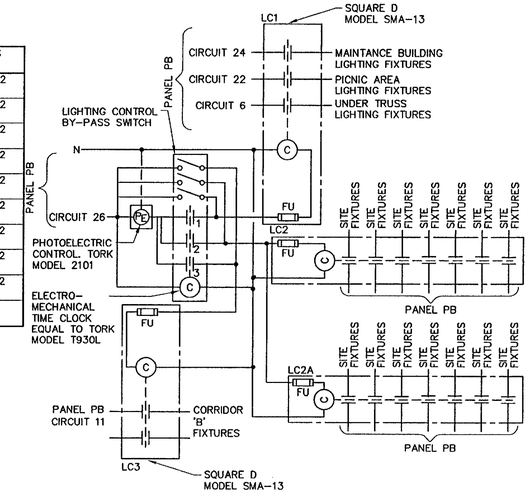
NOTES:
1. PROVIDE PROPERLY SIZED FUSES (MATCH EQUIPMENT NAMEPLATE) TYPICAL FOR EACH DISCONNECT.
2. ALL MECHANICAL EQUIPMENT SHALL HAVE HACR TYPE BREAKERS.



TYPICAL WIRING DIAGRAMS FOR EXHAUST FANS AND MOTORS (R / E2.1)

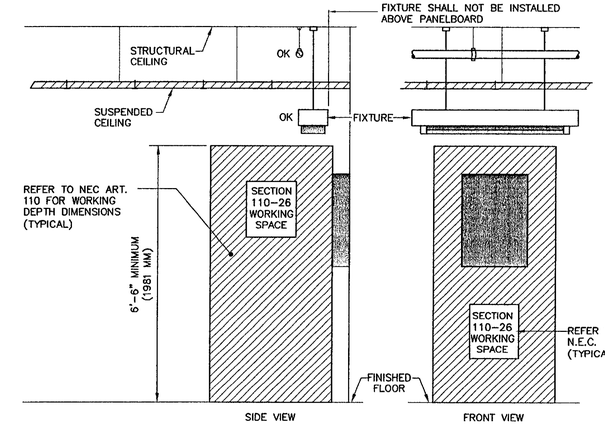
NOT TO SCALE



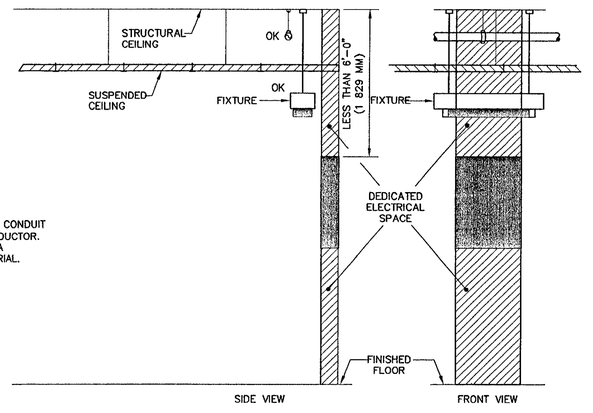


LIGHTING CONTACTOR SCHEMATIC WIRING DIAGRAM (T / E2.1)

NO SCALE



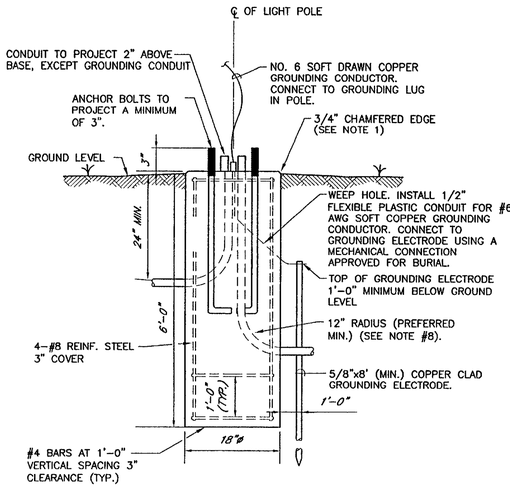
WORKING SPACE REQUIREMENTS



DEDICATED ELECTRICAL SPACE REQUIREMENTS

ELECTRICAL WORKING AND DEDICATED SPACE AT PANELBOARDS AND SWITCHBOARDS (Q / E2.1)

NOT TO SCALE



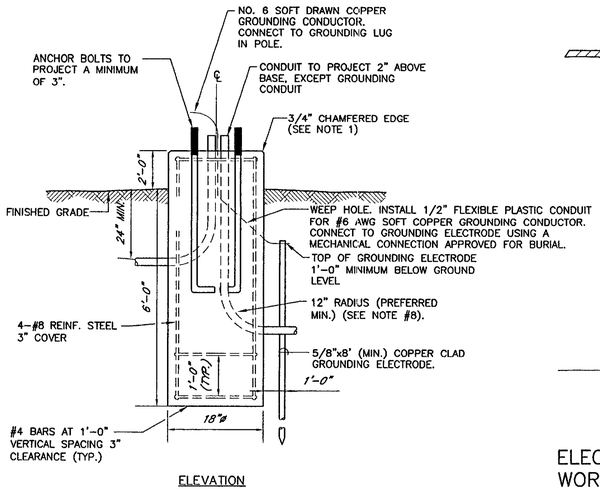
ELEVATION

CONCRETE BASE AND GENERAL NOTES:

1. ALL CONCRETE BASES TO BE CONCRETE CLASS B, AND SHALL HAVE A SMOOTH LEVEL TOP SURFACE FINISHED WITH A 3/4" RADIUS EDGING TOOL.
2. ALL REINFORCING STEEL TO CONFORM TO THE REQUIREMENTS FOR "REINFORCING STEEL".
3. TEMPLATE FOR ANCHOR BOLTS, STAINLESS STEEL ANCHOR BOLTS, NUTS AND WASHERS TO BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION OF BASES.
5. CONDUIT SIZE – AS SHOWN ON THE PLANS.
6. ALL EXPOSED METAL HARDWARE EXCEPT ANCHOR BOLTS SHALL BE GALVANIZED STEEL.
7. IF THE ELECTRICAL CONDUIT IN THE CONCRETE BASE IS GALVANIZED STEEL, GROUNDING BUSHINGS SHALL BE USED.
8. THE MINIMUM RADIUS FOR RIGID METALLIC OR NONMETALLIC ELECTRICAL CONDUIT SHALL BE SIX TIMES THE INSIDE DIAMETER OF THE CONDUIT.
9. GROUT TO ELIMINATE ANY SPACE BETWEEN CONCRETE BASE AND METAL BASE OF FIXTURE.

STANDARD SIDEWALK CONCRETE BASE DETAIL (S / ES1)

NOT TO SCALE



ELEVATION

STANDARD PARKING AREA CONCRETE BASE DETAIL (P / ES1)

NOT TO SCALE

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091–3(8)

NEW FACILITY

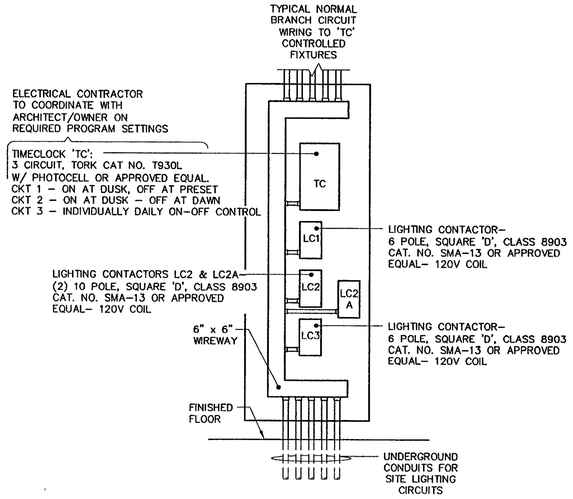
DERBY VERMONT

DATE: 01/07/02
SCALE: NONE
CHECKED:
PROJECT NO: 2008

ELECTRICAL DETAILS

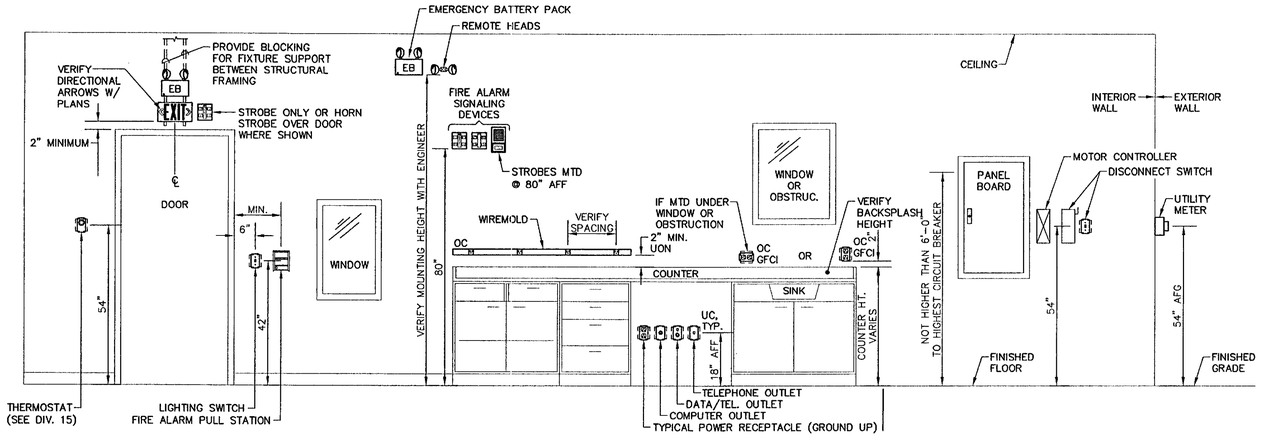
E4.1

N:\Vermont - State of\Derby Welcome Center\Electrical\E4-DT.dwg, Layout1, 01/04/2002 03:20:49 PM, mcrowley
E4-DT.dwg 10-15-01 1:09:54 pm EST



LIGHTING CONTROL DIAGRAM (A / E1.1)

NOT TO SCALE

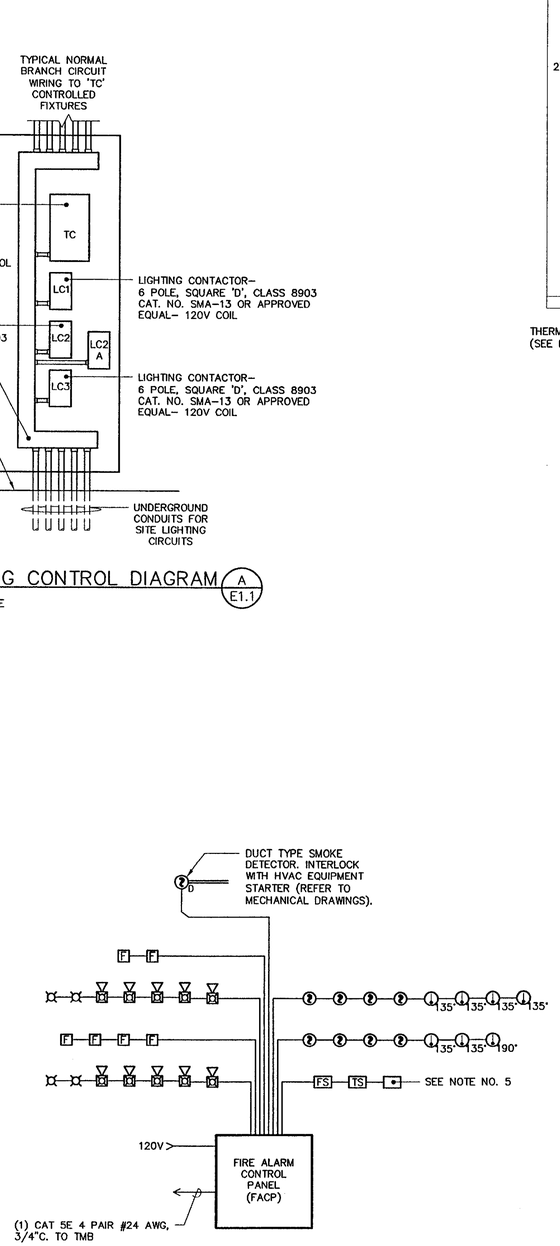


ELEVATION – TYPICAL DEVICE MOUNTING HEIGHTS

NOT TO SCALE (Not all devices may be used.)

ABBREVIATIONS	
AFF – ABOVE FINISHED FLOOR	MTD – MOUNTED
AFG – ABOVE FINISHED GRADE	OC – OVER COUNTER
EB – EMERGENCY BATTERY PACK	UC – UNDER COUNTER
GFCI – GROUND FAULT CIRCUIT INTERUPTER	UON – UNLESS OTHERWISE NOTED
MH – MOUNTING HEIGHT	WP – WEATHERPROOF
MTG – MOUNTING	

VERIFY COMBINATION OUTLETS W/ PLANS



FIRE ALARM RISER DIAGRAM

NO SCALE

FIRE ALARM WORK NOTES:

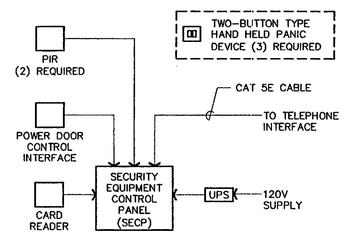
1. ACTUAL NUMBER OF SMOKE AND HEAT DETECTORS IS NOT SHOWN. REFER TO ELECTRICAL AND MECHANICAL PLANS FOR EXACT QUANTITIES.

2. MAXIMUM OF 11 AUDIO/VISUAL DEVICES PER CIRCUIT.

3. CORRIDOR AUDIO/VISUAL (STROBE TYPE) NOTIFICATION DEVICES SHALL BE SYNCHRONIZED.

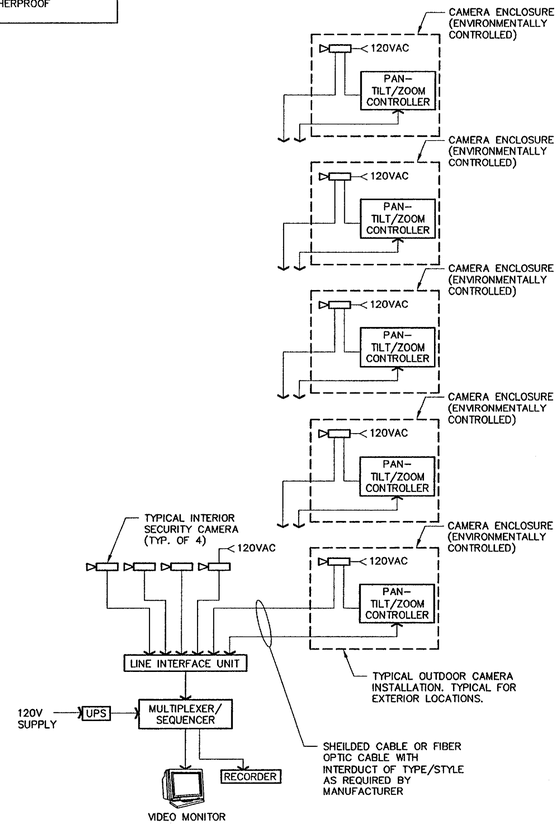
4. ALL WIRING SHALL BE IN CONDUIT.

5. TIE INTO COMPRESSOR (DRY–SPRINKLER) ALARM (COMPRESSOR FAILURE).



SECURITY/ ACCESS CONTROL SYSTEM DIAGRAM

NOT TO SCALE



SURVEILLANCE SYSTEM DIAGRAM

NOT TO SCALE

NOTES:

1. EACH CAMERA SHALL BE CONTROLLED INDEPENDENTLY OF EACH OTHER THROUGH CODED ADDRESS COMMAND.

2. WIRING SHALL BE IN CONDUIT. UTILIZE EITHER RGS CONDUIT FOR EXTERIOR WITH COPPER CABLE OR PVC CONDUIT MAY BE USED IF FIBER OPTIC CABLE IS PROVIDED. FIBER CABLE SHALL BE INSTALLED WITH 1" INNER DUCT SYSTEM. ALL WIRING SHALL BE OF APPROVED TYPE/STYLE AS REQUIRED BY THE MANUFACTURER AND AS APPROVED BY STATE OF VERMONT.

STATE OF VERMONT
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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

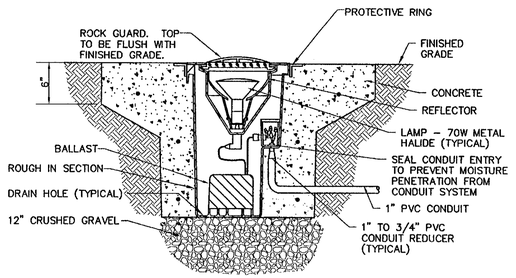
DERBY
VERMONT

DATE: 01/07/02
SCALE: AS SHOWN
CHECKED:
PROJECT NO: 2003

SPECIAL SYSTEMS DIAGRAMS AND MISC. DETAILS

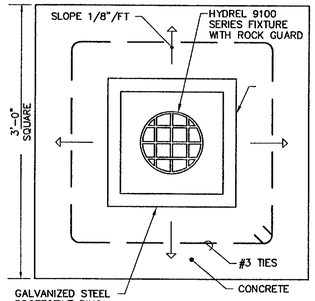
E4.2

N:\Vermont - State of\Derby Welcome Center\Electrical\E4-2-DT.dwg, Layout1, 01/04/2002 02:20:34 PM, mcrowley



FLOOD LIGHT DETAIL

NOT TO SCALE



PLAN VIEW

DESCRIPTION OF COMPONENTS:

LUMINAIRE: HYDREL 9100 SERIES WITH ACCESORIES

LAMP: SYLVANIA METALARC PROTECH MP70PAR38/U/SP20

IGC: INGROUND UPLIGHT FOR INSTALL-ATION IN CONCRETE. LOCATE 2'-5" AWAY FROM POLE.

FS: INTEGRATED FUSE

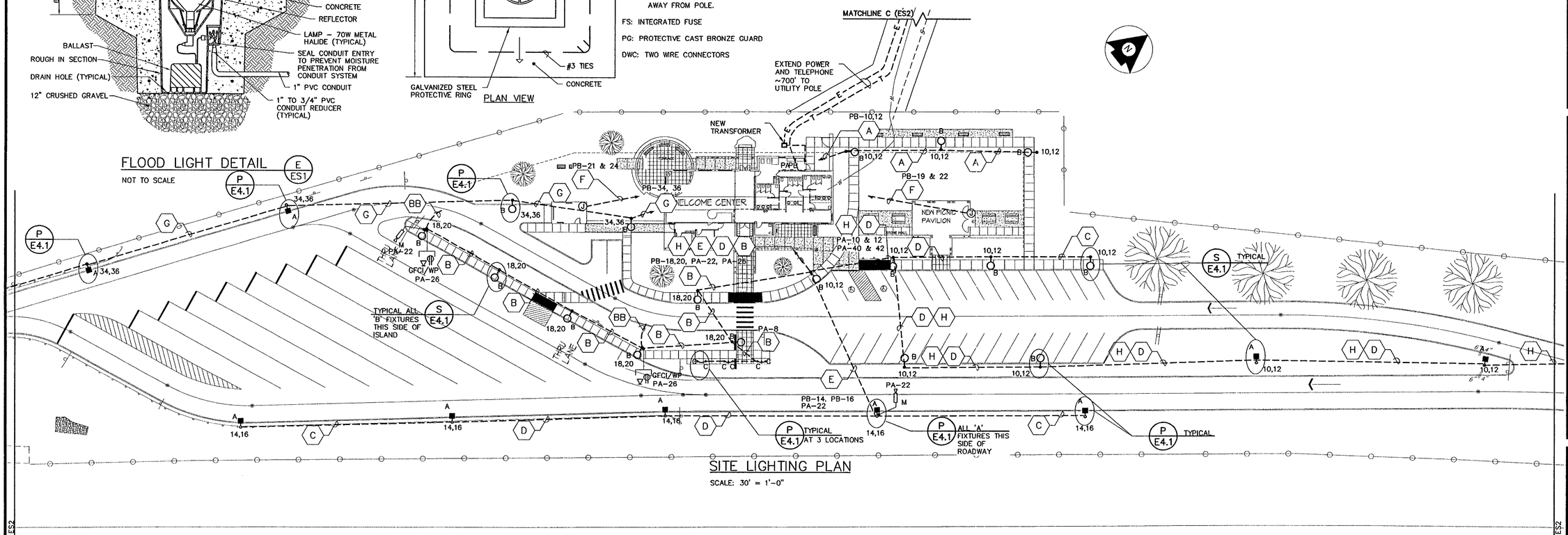
PG: PROTECTIVE CAST BRONZE GUARD

DWC: TWO WIRE CONNECTORS

SITE LIGHTING FIXTURE SCHEDULE

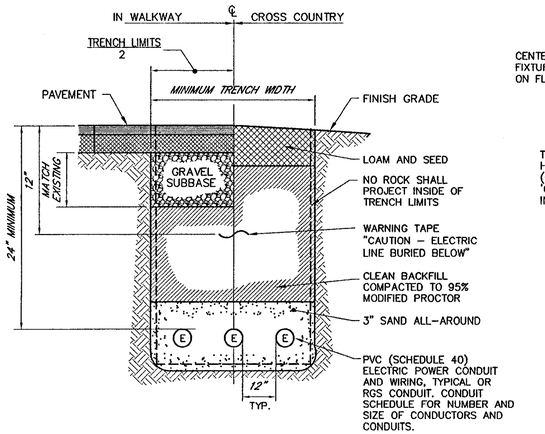
TYPE	MANUFACTURER	CATALOG NUMBER	TYPE	COLOR	MOUNTING	VOLTAGE	LAMPS	REMARKS	TOTAL
A	LUMEC	HBS-250 MH-MC3F-120-CWA-RDA-1A-QLS	MH	GRAY	POLE @ 30FT	240	(1) 250W MH ED-128	PULSE START	300
B	AAL	UCM-SR-STR-0AL-100MH-(BY ARCH)-SLA-17	MH	BY ARCH	POLE @16FT	240	(1) 100W MH ED-17	PULSE START W/ OPAL ACRYLIC LENS	120
C	HYDREL	9100-A-70M-120-SP-34NPT-ISS	MH	STEEL	IN-GROUND	120	(1) 70W MH T-6	LOCATE 2.5' ON CENTER FROM POLE CENTER	94
POLE	AAL	PR4-4R16-125 (WITH B FIXTURE)	-	BY ARCH	ON BASE	-	NONE	16FT POLE	-

NOTE: CONTRACTOR SHALL COORDINATE ALL FIXTURES WITH LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS, TYPICAL.



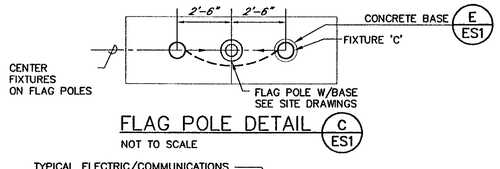
SITE LIGHTING PLAN

SCALE: 30' = 1'-0"



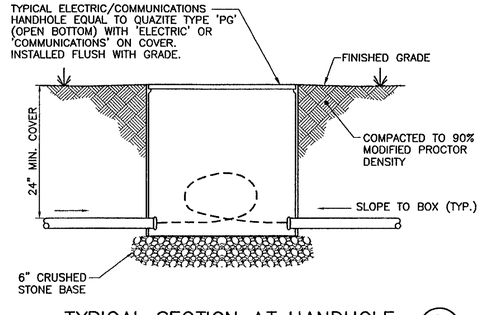
TYPICAL TRENCH SECTION

NOT TO SCALE



FLAG POLE DETAIL

NOT TO SCALE

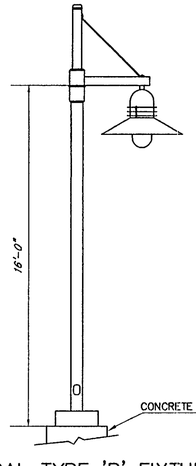


TYPICAL SECTION AT HANDHOLE

NOT TO SCALE

HANDHOLE NOTE:

1. ELECTRIC AND COMMUNICATION HANDHOLE SIZE SHALL BE 17"x30"x36" DEEP, TYPICAL.



TYPICAL TYPE 'B' FIXTURE

NOT TO SCALE

CONDUIT & CONDUCTOR SCHEDULE

KEY	CONDUIT SIZE	CONDUCTORS FOR FIXTURES	FOR RECEPTALCES	FOR GROUND	CONDUIT SIZE	FOR CAMERAS	CONDUIT SIZE	FOR TELEPHONE
A	1"	2#10		1#10				
B	1"	2#8	2#8	1#8	1"	2#8		
BB							1"	PHONE CABLE
C	2"	2#6		1#6				
D	2"	4#6		1#6				
E	2"	4#6		1#6	1"	2#6		
F	1"	2#10	2#10	1#10				
G	2"	6#2		1#2				
H	(2)2"&(1)2"SPARE	4#2		1#2				(NOTE NO. 6)
J	2"	2#2		1#2				

GENERAL NOTES:

1. MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT
2. LIGHTS SHALL BE FUSED AT BASE WITH Y-TYPE FUSE KIT (EQUAL TO HOMAC [FLOOD SEAL]) FYC-6 AND 10 AMP FUSE
3. CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT NUMBER AND PANEL SOURCES AT EVERY POLE BASE AND HANDHOLE.
4. UTILIZE APPROVED DUAL-RATES PARALLEL TAP CONNECTOR EQUAL TO ILSCO GTA-2-2 WITH INSULATED COVER FOR TAPS AT POLE BASE, TYPICAL FOR LIGHTING AND BASE RECEPTACLE CONDUCTORS.
5. CABLE FOR THE CAMERAS SHALL BE SHEILDED CABLE.
6. PROVIDE 1-2" SPARE CONDUIT FROM HANDHOLE #1/#2 TO ELETRICAL ROOM. INSTALL (3) PULL BOXES AT BASE OF POLES IN 3 LOCATIONS AT +/- 120FT. O.C.

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REVISIONS

PROJECT

DERBY WELCOME CENTER
PROJECT #IM 091-3(8)

NEW FACILITY

DERBY
VERMONT

DATE: 01/07/02
SCALE: AS SHOWN
CHECKED:
PROJECT NO: 2003

SITE LIGHTING PLAN AND DETAILS

ES1

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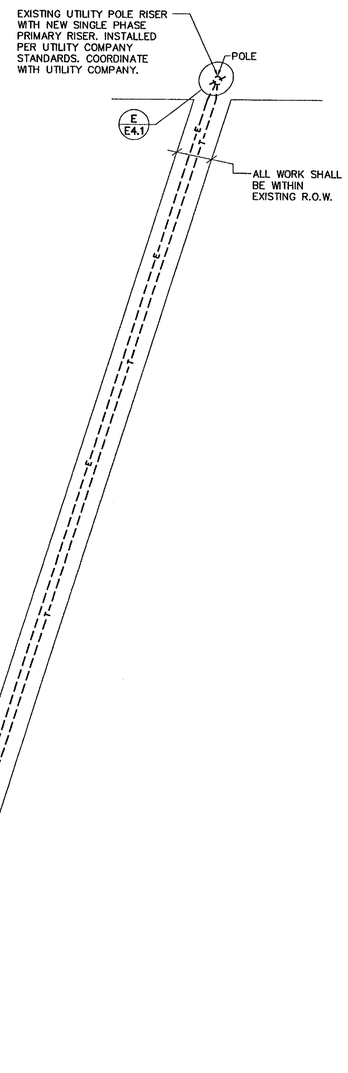
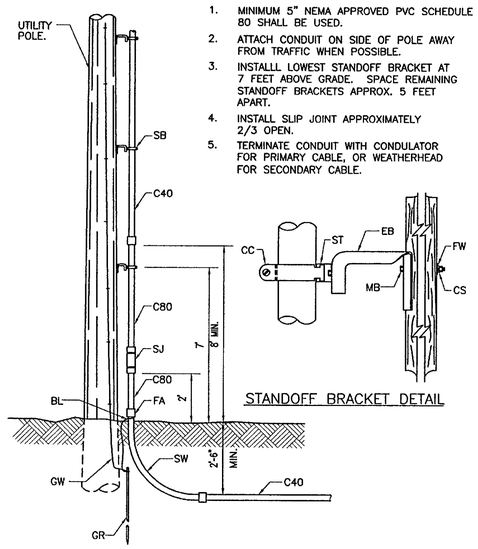


SERVICE FROM UTILITY POLE

SCALE: 40' = 1'-0"

NOTES:

1. MINIMUM 5" NEMA APPROVED PVC SCHEDULE 80 SHALL BE USED.
2. ATTACH CONDUIT ON SIDE OF POLE AWAY FROM TRAFFIC WHEN POSSIBLE.
3. INSTALLL LOWEST STANDOFF BRACKET AT 7 FEET ABOVE GRADE. SPACE REMAINING STANDOFF BRACKETS APPROX. 5 FEET APART.
4. INSTALL SLIP JOINT APPROXIMATELY 2/3 OPEN.
5. TERMINATE CONDUIT WITH CONDULATOR FOR PRIMARY CABLE, OR WEATHERHEAD FOR SECONDARY CABLE.



STANDOFF BRACKET DETAIL

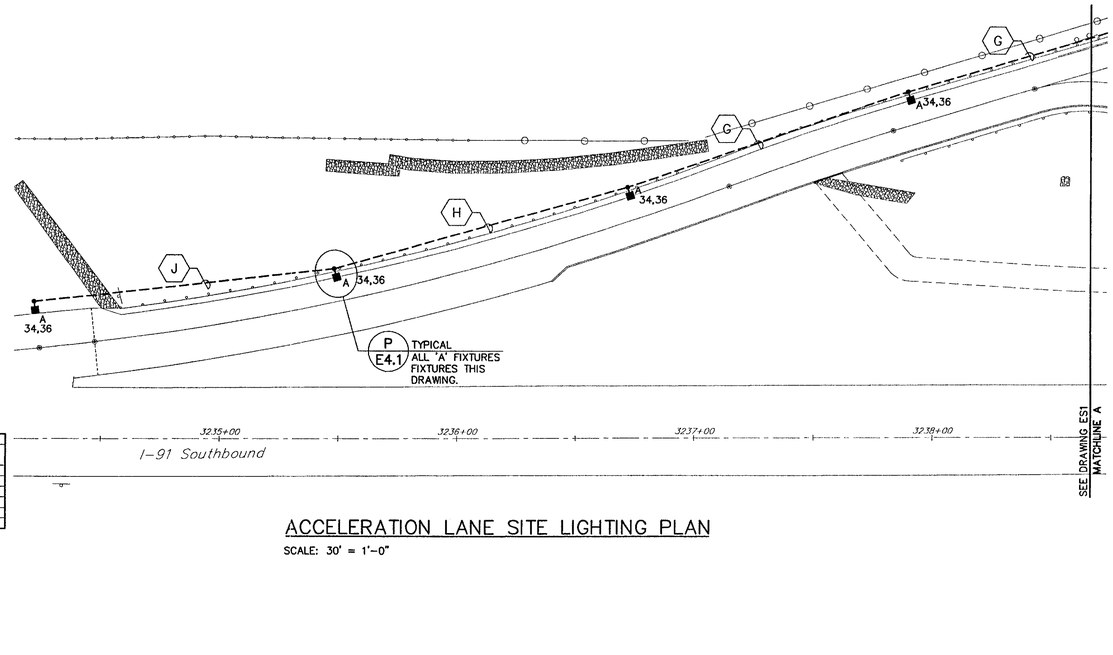
ITEM	NO REQUIRED	CODE	MATERIAL
SJ	1		SLIP JOINT
SB	*		STANDOFF BRACKET
C80	10 FT.		CONDUIT (SCHEDULE 80) 5"
C40	*		CONDUIT (SCHEDULE 40) 5"
SW	1		90° STEEL SWEEP 5"
FA	1		FEMALE ADAPTER
BL	1		BONDING LUG
GR	1		GROUND ROD
GW	*		GROUND WIRE
ST	10 FT.		GALVANIZED STEEL CONDUIT

MATERIAL FOR ONE STANDOFF BRACKET			
ITEM	NO REQUIRED	CODE	MATERIAL
FW	1		FLAT WASHER 2"x2"
CS	1		COIL SPRING WASHER
REB	1		RACK EXTENSION BRACKET
ST	1		STRUT (CUT TO LENGTH)
CC	1		CONDUIT CLAMP
MB	1		MACHINE BOLT 5/8"

PRIMARY RISER INSTALLATION DETAIL

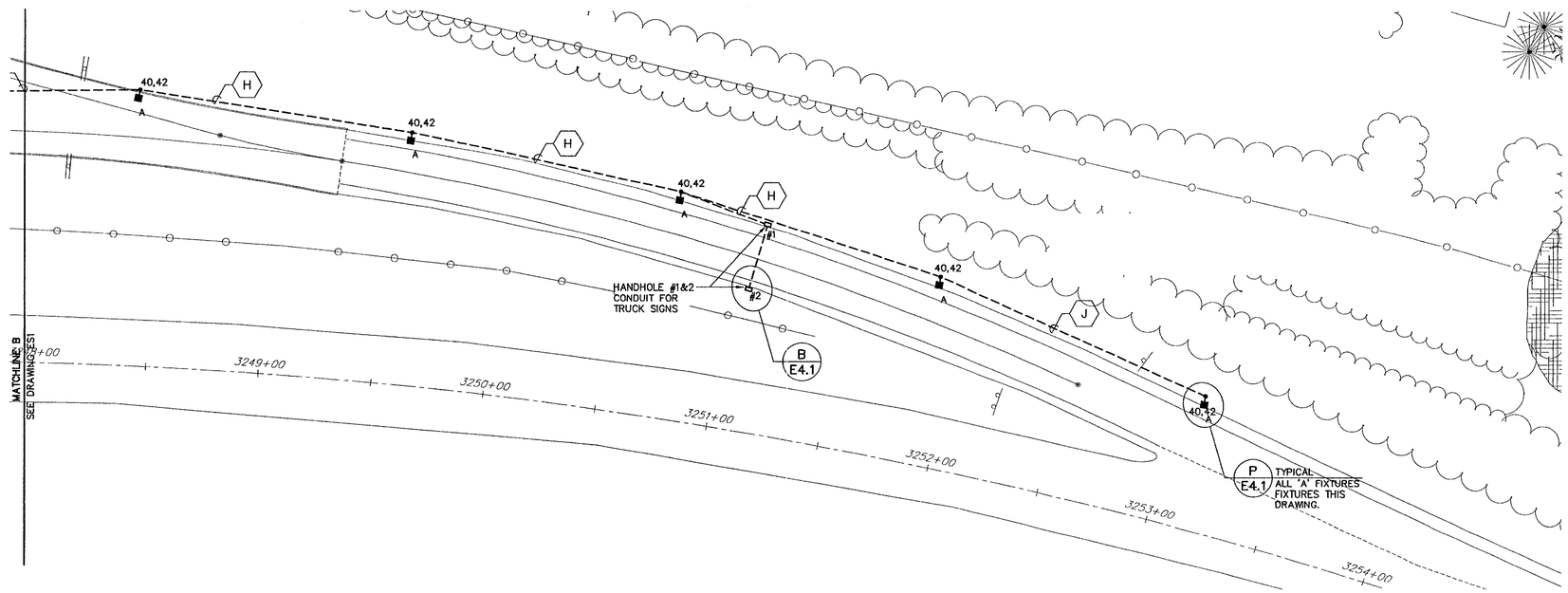
A E4.2

NOT TO SCALE



ACCELERATION LANE SITE LIGHTING PLAN

SCALE: 30' = 1'-0"



DECELERATION LANE SITE LIGHTING PLAN

SCALE: 30' = 1'-0"

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SITE LIGHTING PLAN

ES2

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