

BELKNAP COUNTY COMMUNITY CORRECTIONS

LACONIA
NEW HAMPSHIRE

CONCEPTUAL SET
NOT FOR CONSTRUCTION

8/6/2015



PROJECT TEAM:

ARCHITECT:



STRUCTURAL ENGINEER:

MECHANICAL/ELECTRICAL ENGINEER:

SITE/CIVIL ENGINEER:

SECURITY CONSULTANT:

CONSTRUCTION ESTIMATOR:

Sheerr McCrystal Palson Architecture, Inc.
THE CARRIAGE HOUSE
30 South Main St. Building Two
Concord, NH 03301
603.228.8880 , Fax 603.228.8881

TF Moran
48 Constitution Drive
Bedford, NH 03110
Phone # 603.472.4488

WV Engineering Associates PA
11 King Court
Keene, NH 03431
Phone # 603.352.7007, Fax # 603.352.7005

Northpoint Engineering, LLC
5 Sheep Davis Road, Suite F
Pembroke, NH 03275
Phone# 603.226.1166, Fax# 603.226.1160

One Source Security
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Merrimack, NH 03054
Phone# 603.645.5969, Fax# 603.645.5994

Bauen Corp.
PO Box 1621
Meredith, NH 03253
Phone# 603.279.7660, Fax# 603.279.3018



OVERVIEW PLAN

PREPARED FOR:

BELKNAP COUNTY COMMUNITY CORRECTIONS
34 COUNTY DRIVE
LACONIA, NEW HAMPSHIRE

OWNER: BELKNAP COUNTY, NEW HAMPSHIRE
BOARD OF COMMISSIONERS
1152 NORTH MAIN STREET
LACONIA, NH 03246

REVISIONS:

NO. DATE DESCRIPTION

NO.	DATE	DESCRIPTION

GRAPHIC SCALE



(IN FEET)
1 inch = 80 ft.

NORTHPOINT ENGINEERING, LLC
Civil Engineering / Land Planning / Construction Services

5 Sheep Davis Rd, Ste F
Pembroke, NH 03275
Tel 603-226-1166
Fax 603-226-1160
www.northpointeng.com

DATE: 06/2015
PROJ: 15010
SCALE: 1"=80'
SHEET: 1 of 6



LEGEND:

□	STONE BOUND
○	IRON PIPE/PIN
⊙	DRILL HOLE
⊕	CATCH BASIN
⊗	MANHOLE
⊘	UTILITY VALVE
⊙	FIRE HYDRANT
⊙	SIGN
⊙	LAMP POST
⊙	UTILITY POLE
⊙	UTILITY POLE AND LIGHT
⊙	WETLAND
⊙	WELL
—	BOUNDARY
- - -	ABUTTER LINE
- - -	EASEMENT
- - -	WETLAND LIMITS
- - -	EDGE OF PAVEMENT
- - -	248 - - - CONTOUR (2-FT)
- - -	250 - - - CONTOUR (10-FT)
W	WATER LINE
S	SEWER LINE
UD	UNDER DRAIN
D	DRAINAGE LINE
UGU	UNDERGROUND UTIL.
O-H-U	OVERHEAD UTIL.
G	GAS LINE
X - X	FENCE
⊖	STONEWALL



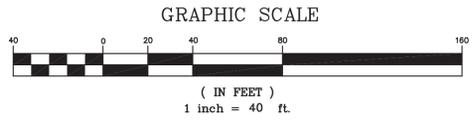
NOTES:

1. THIS PLAN WAS PREPARED FROM AVAILABLE RECORD INFORMATION TO CREATE A COMPOSITE PLAN SUITABLE FOR SCHEMATIC DESIGN EFFORTS. THE "BELKNAP COUNTY NURSING HOME - SITE UTILITY PLAN", PREPARED BY PROVAN AND LORBER, INC., DATED 09/29/95, LAST REVISED 03/06/95, WAS USED TO PREPARE THIS PLAN. PLAN INFORMATION WAS SUPPLEMENTED WITH SOME FIELD OBSERVATIONS AND OTHER PLANS OF RECORD FOR PROPERTY TO NORTH. PRIOR TO FINAL DESIGN A COMPREHENSIVE EXISTING CONDITIONS SURVEY SHOULD BE PREPARED TO DESIGN WITH.
2. THIS PLAN SHOULD NOT BE USED FOR ANY OTHER PURPOSE.

EXISTING CONDITIONS SCHEMATIC
 PREPARED FOR:
BELKNAP COUNTY COMMUNITY CORRECTIONS
 34 COUNTY DRIVE
 LACONIA, NEW HAMPSHIRE

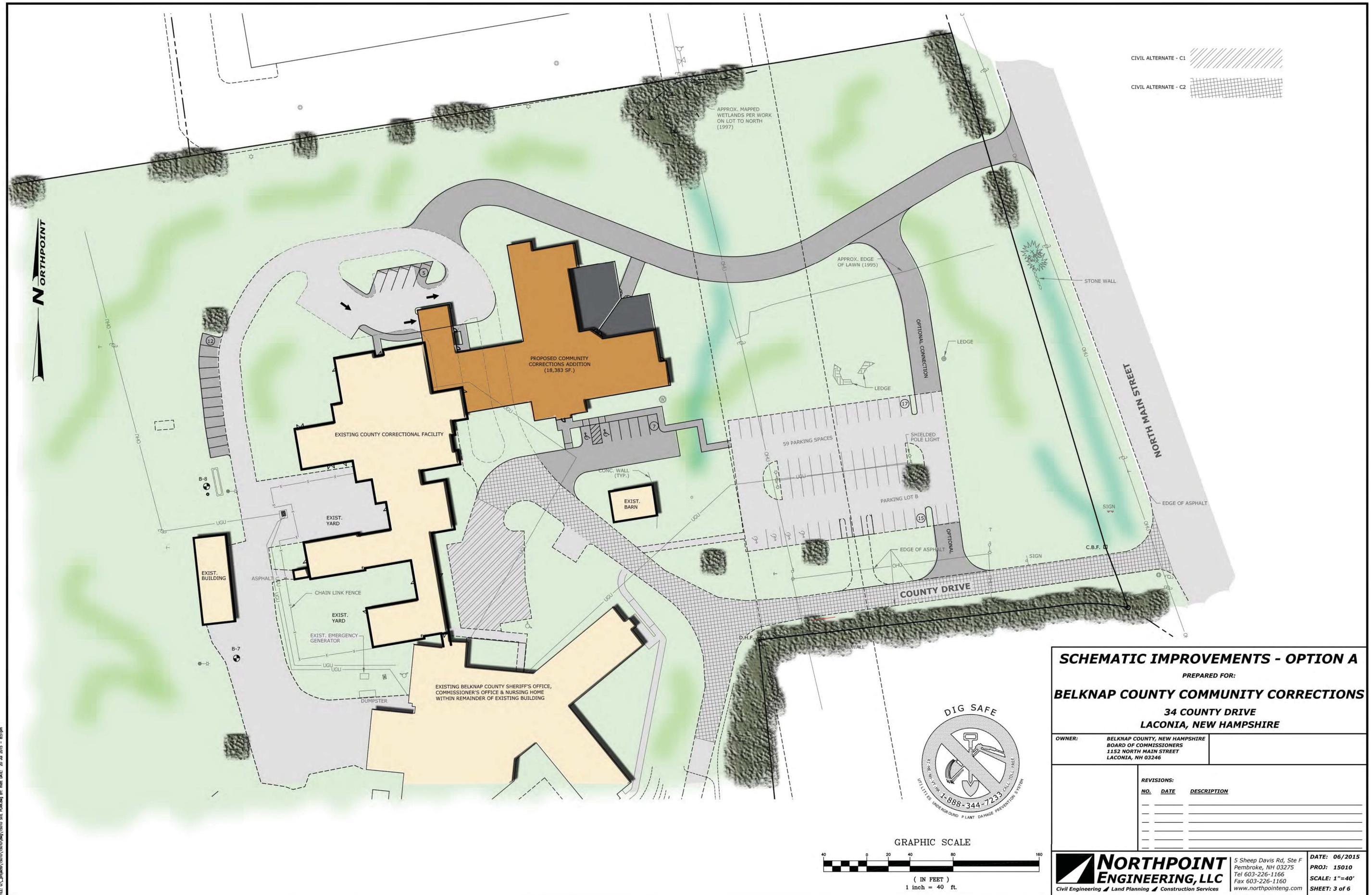
OWNER: BELKNAP COUNTY, NEW HAMPSHIRE
 BOARD OF COMMISSIONERS
 1152 NORTH MAIN STREET
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REVISIONS:		
NO.	DATE	DESCRIPTION



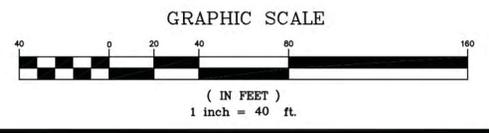
<p>NORTHPOINT ENGINEERING, LLC <small>Civil Engineering / Land Planning / Construction Services</small></p>	5 Sheep Davis Rd, Ste F Pembroke, NH 03275 Tel 603-226-1166 Fax 603-226-1160 www.northpointeng.com	DATE: 06/2015 PROJ: 15010 SCALE: 1"=40' SHEET: 2 of 6
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FILE: C:\projects\15010\15010.dwg DATE: 20 Jun 2015 8:50am



CIVIL ALTERNATE - C1 
 CIVIL ALTERNATE - C2 

NORTHPOINT



SCHEMATIC IMPROVEMENTS - OPTION A
 PREPARED FOR:
BELKNAP COUNTY COMMUNITY CORRECTIONS
 34 COUNTY DRIVE
 LACONIA, NEW HAMPSHIRE

OWNER: BELKNAP COUNTY, NEW HAMPSHIRE
 BOARD OF COMMISSIONERS
 1152 NORTH MAIN STREET
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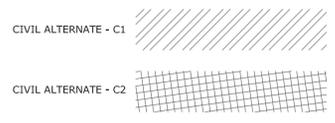
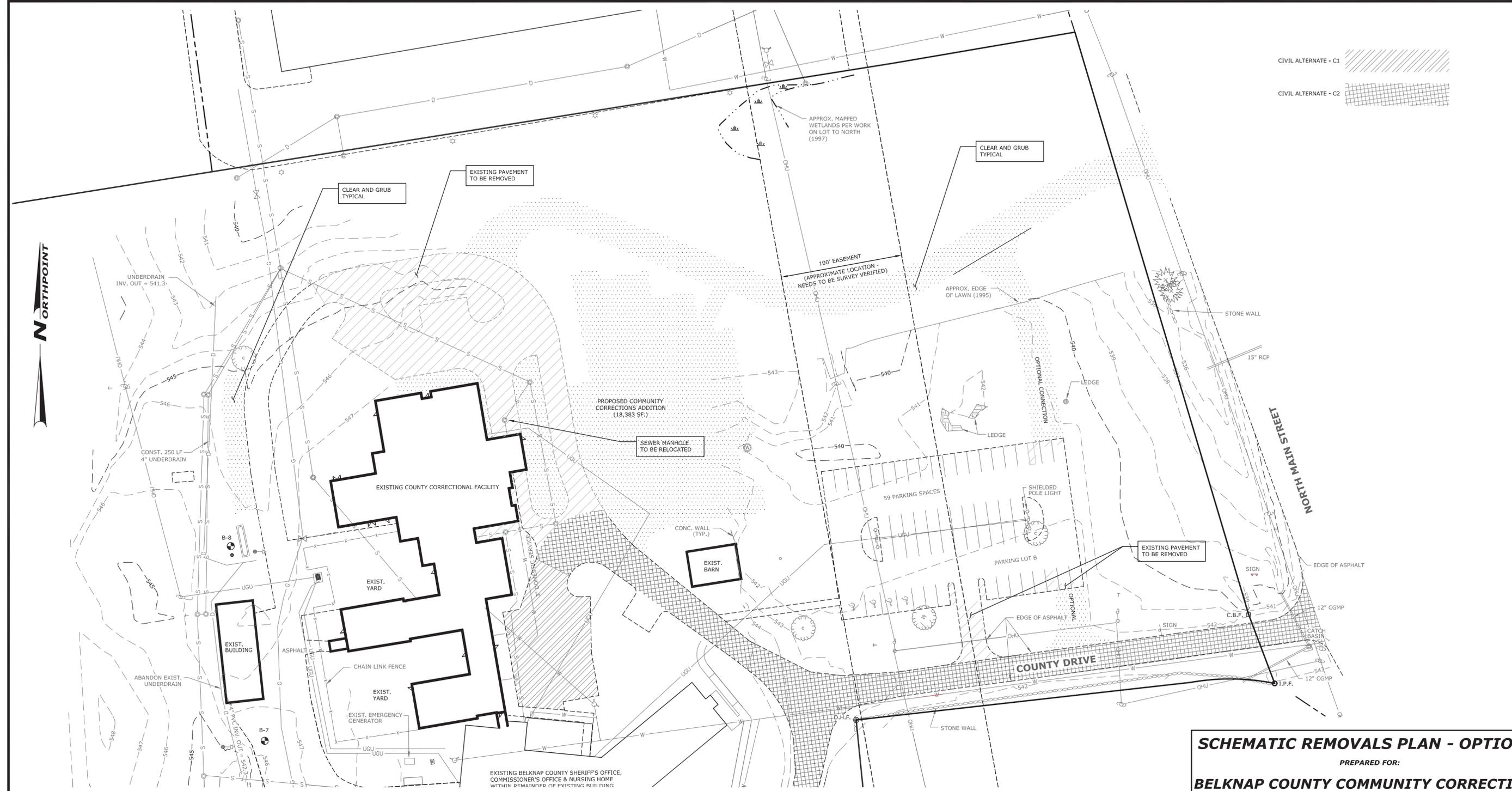
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DATE: 06/2015
 PROJ: 15010
 SCALE: 1"=40'
 SHEET: 3 of 6

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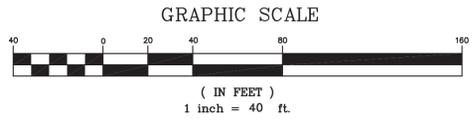


SCHEMATIC REMOVALS PLAN - OPTION A

PREPARED FOR:
BELKNAP COUNTY COMMUNITY CORRECTIONS
 34 COUNTY DRIVE
 LACONIA, NEW HAMPSHIRE

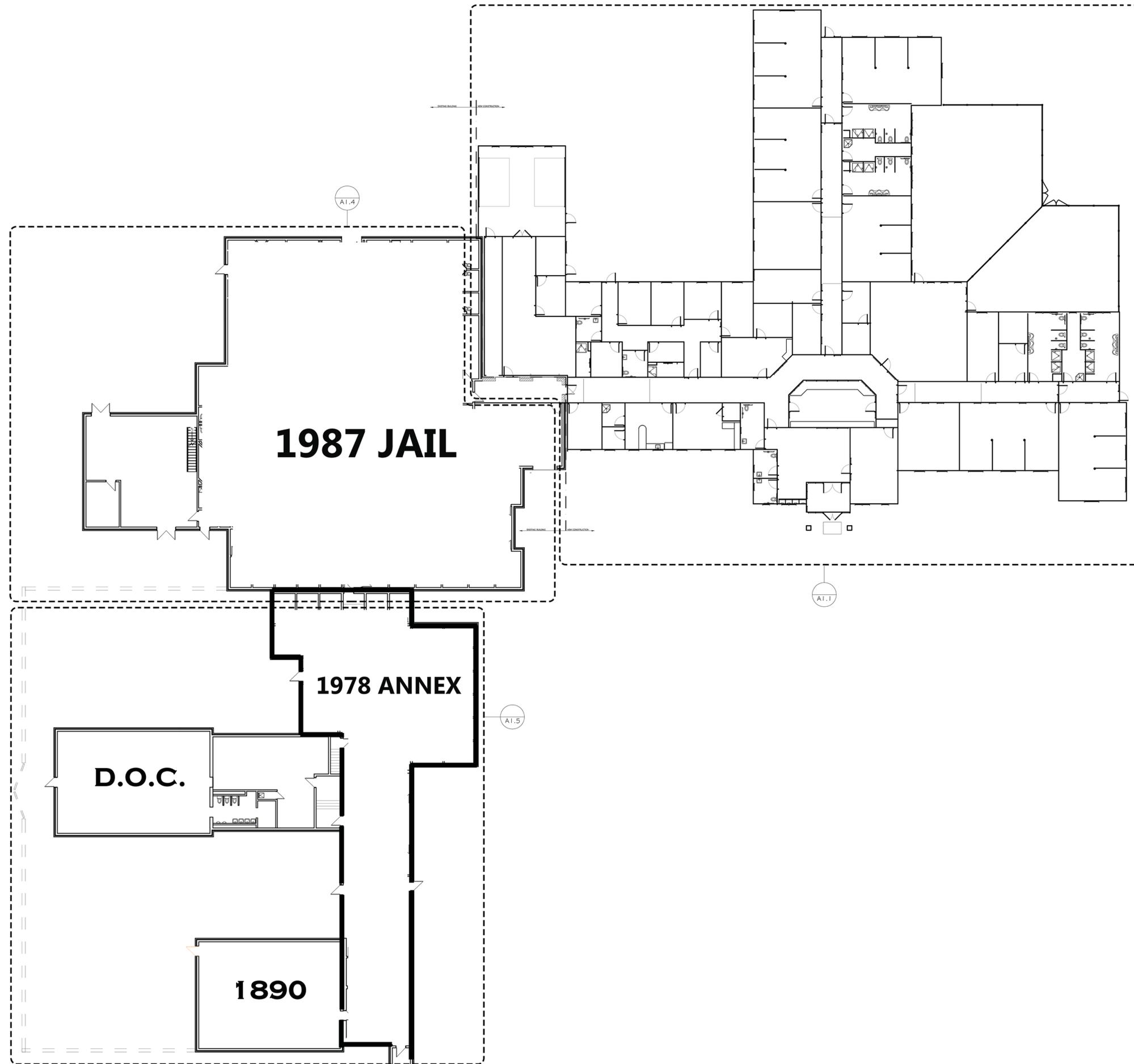
OWNER: BELKNAP COUNTY, NEW HAMPSHIRE
 BOARD OF COMMISSIONERS
 1152 NORTH MAIN STREET
 LACONIA, NH 03246

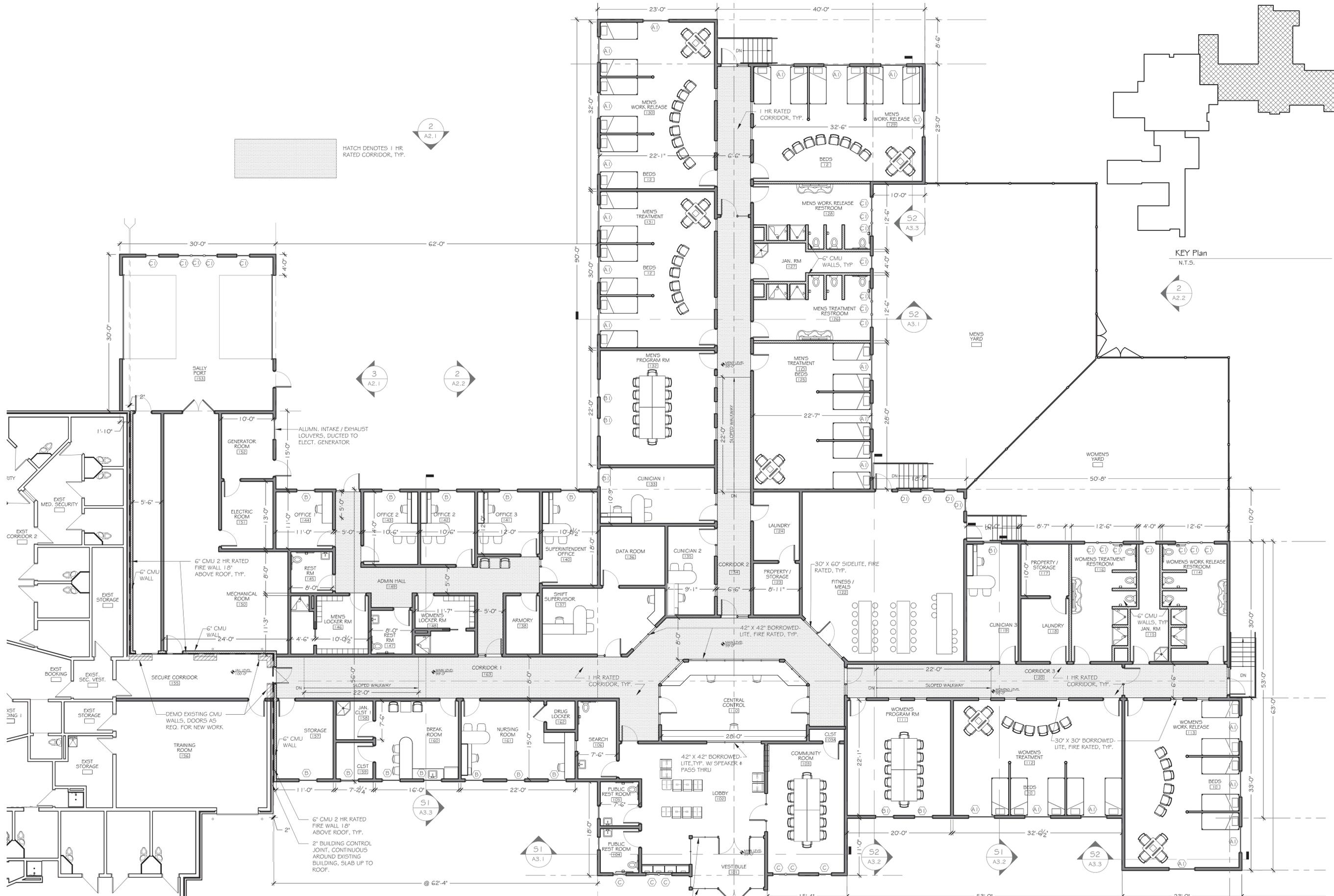
REVISIONS:		
NO.	DATE	DESCRIPTION



<p>NORTHPOINT ENGINEERING, LLC <small>Civil Engineering / Land Planning / Construction Services</small></p>	5 Sheep Davis Rd, Ste F Pembroke, NH 03275 Tel 603-226-1166 Fax 603-226-1160 www.northpointeng.com	DATE: 06/2015 PROJ: 15010 SCALE: 1"=40' SHEET: 4 of 6
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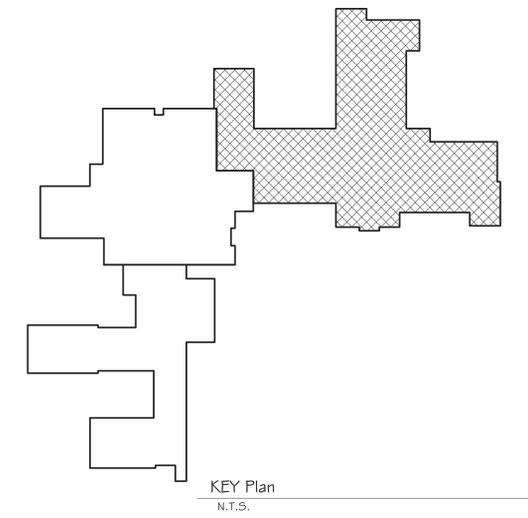
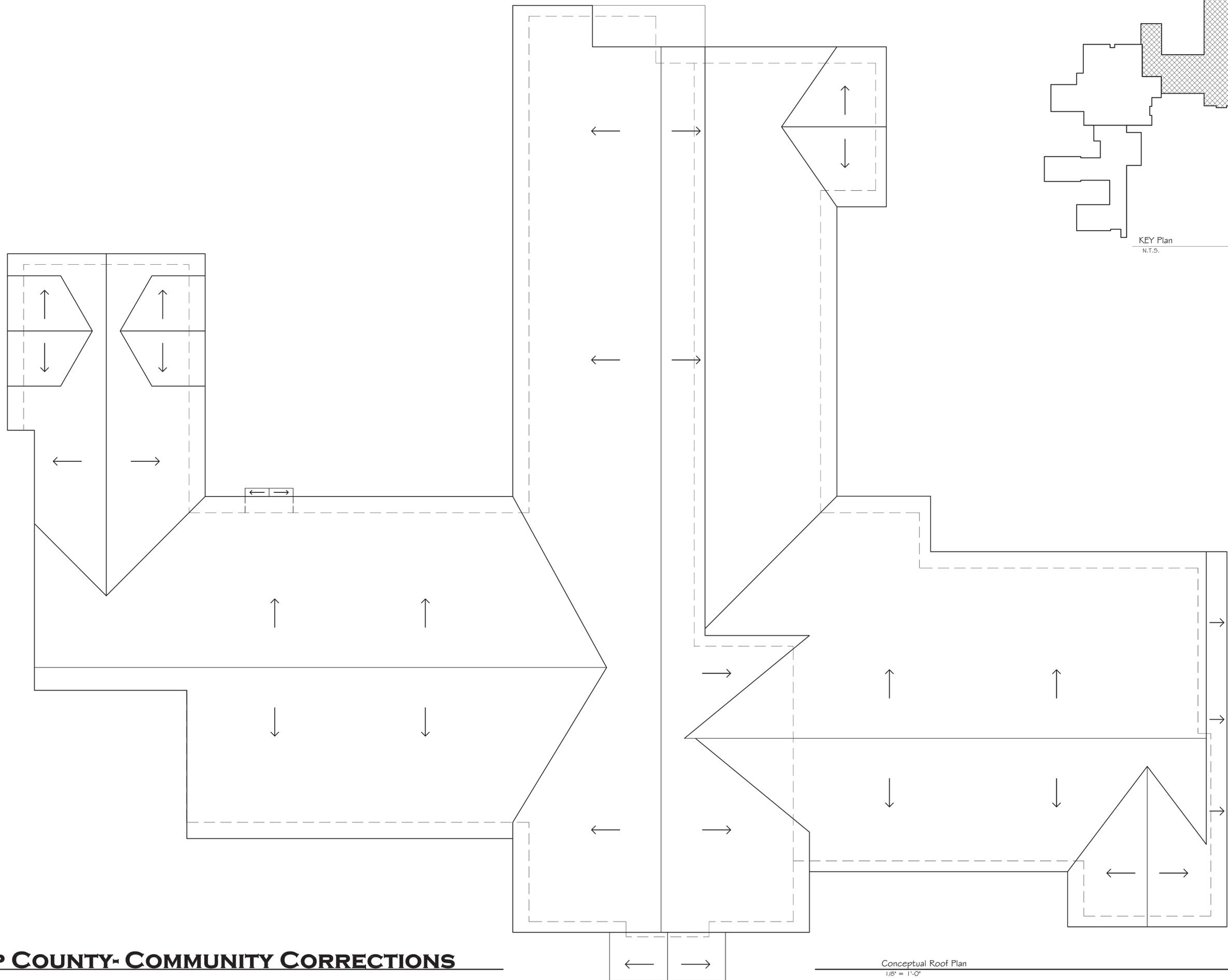


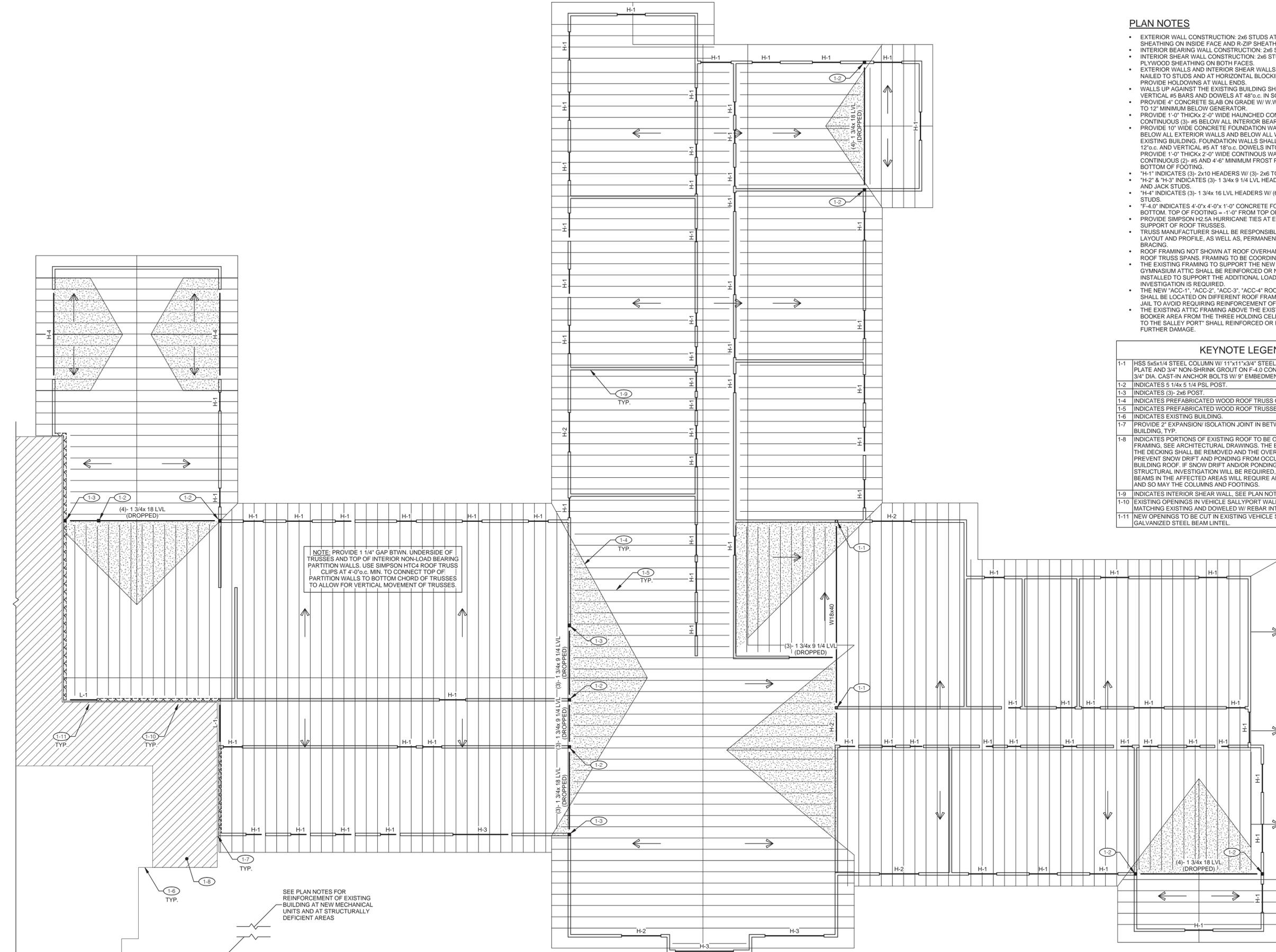
BELKNAP COUNTY- COMMUNITY CORRECTIONS
LACONIA, NH.
AUG. 06, 2015

Conceptual Building Plan
 1/8" = 1'-0"

A1.1







NOTE: PROVIDE 1 1/4" GAP BTWN. UNDERSIDE OF TRUSSES AND TOP OF INTERIOR NON-LOAD BEARING PARTITION WALLS. USE SIMPSON HTC4 ROOF TRUSS CLIPS AT 4'-0" O.C. MIN. TO CONNECT TOP OF PARTITION WALLS TO BOTTOM CHORD OF TRUSSES TO ALLOW FOR VERTICAL MOVEMENT OF TRUSSES.

SEE PLAN NOTES FOR REINFORCEMENT OF EXISTING BUILDING AT NEW MECHANICAL UNITS AND AT STRUCTURALLY DEFICIENT AREAS

- ### PLAN NOTES
- EXTERIOR WALL CONSTRUCTION: 2x6 STUDS AT 16" O.C. WITH 7/16" PLYWOOD SHEATHING ON INSIDE FACE AND R-ZIP SHEATHING ON OUTSIDE FACE.
 - INTERIOR BEARING WALL CONSTRUCTION: 2x6 STUDS AT 16" O.C.
 - INTERIOR SHEAR WALL CONSTRUCTION: 2x6 STUDS AT 16" O.C. W/ 7/16" PLYWOOD SHEATHING ON BOTH FACES.
 - EXTERIOR WALLS AND INTERIOR SHEAR WALLS SHALL HAVE SHEATHING NAILED TO STUDS AND AT HORIZONTAL BLOCKING AT PANEL EDGES. PROVIDE HOLDDOWNS AT WALL ENDS.
 - WALLS UP AGAINST THE EXISTING BUILDING SHALL BE 6" CMU WALLS W/ VERTICAL #5 BARS AND DOWELS AT 48" O.C. IN SOLID GROUTED CORES.
 - PROVIDE 4" CONCRETE SLAB ON GRADE W/ W.F. 6x6-W1.4xW1.4. THICKEN TO 12" MINIMUM BELOW GENERATOR.
 - PROVIDE 1'-0" THICK 2'-0" WIDE HAUNCHED CONCRETE SLABS W/ CONTINUOUS (3)-#5 BELOW ALL INTERIOR BEARING AND SHEAR WALLS.
 - PROVIDE 10" WIDE CONCRETE FOUNDATION WALLS 6" STEM #4" SHELF) BELOW ALL EXTERIOR WALLS AND BELOW ALL WALLS UP AGAINST THE EXISTING BUILDING. FOUNDATION WALLS SHALL HAVE CONTINUOUS #5 AT 12" O.C. AND VERTICAL #5 AT 18" O.C. DOWELS INTO THE WALL FOOTING.
 - PROVIDE 1'-0" THICK 2'-0" WIDE CONTINUOUS WALL FOOTINGS W/ CONTINUOUS (2)-#5 AND 4'-6" MINIMUM FROST PROTECTION FOR THE BOTTOM OF FOOTING.
 - "H-1" INDICATES (3)- 2x10 HEADERS W/ (3)- 2x6 TOTAL KING AND JACK STUDS.
 - "H-2" & "H-3" INDICATES (3)- 1 3/4x 9 1/4 LVL HEADERS W/ (4)- 2x6 TOTAL KING AND JACK STUDS.
 - "H-4" INDICATES (3)- 1 3/4x 16 LVL HEADERS W/ (6)- 2x6 TOTAL KING AND JACK STUDS.
 - "F-4.8" INDICATES 4'-0"x 4'-0"x 1'-0" CONCRETE FOOTING W/ (6)- #5 EACH WAY BOTTOM. TOP OF FOOTING = 1'-0" FROM TOP OF SLAB.
 - PROVIDE SIMPSON H2.5A HURRICANE TIES AT EACH END AND INTERIOR SUPPORT OF ROOF TRUSSES.
 - TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE FINAL TRUSS LAYOUT AND PROFILE, AS WELL AS, PERMANENT AND TEMPORARY TRUSS BRACING.
 - ROOF FRAMING NOT SHOWN AT ROOF OVERHANGS PERPENDICULAR TO ROOF TRUSS SPANS. FRAMING TO BE COORDINATED.
 - THE EXISTING FRAMING TO SUPPORT THE NEW "AHU-8" IN THE EXISTING 1890 GYMNASIUM ATTIC SHALL BE REINFORCED OR NEW FRAMING SHALL BE INSTALLED TO SUPPORT THE ADDITIONAL LOAD. FURTHER STRUCTURAL INVESTIGATION IS REQUIRED.
 - THE NEW "ACC-1", "ACC-2", "ACC-3", "ACC-4" ROOF TOP MECHANICAL UNITS SHALL BE LOCATED ON DIFFERENT ROOF FRAMING MEMBERS OF THE 198 JAIL TO AVOID REQUIRING REINFORCEMENT OF THE EXISTING FRAMING.
 - THE EXISTING ATTIC FRAMING ABOVE THE EXISTING "WALL SEPARATING THE BOOKER AREA FROM THE THREE HOLDING CELLS IMMEDIATELY ADJACENT TO THE SALLEY PORT" SHALL REINFORCED OR REPLACED TO PREVENT FURTHER DAMAGE.

KEYNOTE LEGEND

1-1	HSS 5x5x1/4 STEEL COLUMN W/ 11"x11"x3/4" STEEL BASE PLATE ON 1/4" LEVELING PLATE AND 3/4" NON-SHRINK GROUT ON F-4.0 CONCRETE FOOTING. PROVIDE (4)- 3/4" DIA. CAST-IN ANCHOR BOLTS W/ 9" EMBEDMENT.
1-2	INDICATES 5 1/4x 5 1/4 PSL POST.
1-3	INDICATES (3)- 2x6 POST.
1-4	INDICATES PREFABRICATED WOOD ROOF TRUSS OVERBUILD AT 2'-0" O.C. TYP.
1-5	INDICATES PREFABRICATED WOOD ROOF TRUSSES AT 2'-0" O.C. TYP.
1-6	INDICATES EXISTING BUILDING.
1-7	PROVIDE 2" EXPANSION/ ISOLATION JOINT IN BETWEEN NEW AND EXISTING BUILDING. TYP.
1-8	INDICATES PORTIONS OF EXISTING ROOF TO BE OVERBUILT W/ TRUSS OR 2x FRAMING. SEE ARCHITECTURAL DRAWINGS. THE EXISTING ROOFING DOWN TO THE DECKING SHALL BE REMOVED AND THE OVERBUILD SHALL BE DESIGNED TO PREVENT SNOW DRIFT AND PONDING FROM OCCURRING ABOVE THE EXISTING BUILDING ROOF. IF SNOW DRIFT AND/OR PONDING IS UNAVOIDABLE, ADDITIONAL STRUCTURAL INVESTIGATION WILL BE REQUIRED, THE RAFTERS AND ROOF BEAMS IN THE AFFECTED AREAS WILL REQUIRE ADDITIONAL REINFORCEMENT, AND SO MAY THE COLUMNS AND FOOTINGS.
1-9	INDICATES INTERIOR SHEAR WALL. SEE PLAN NOTES FOR CONSTRUCTION.
1-10	EXISTING OPENINGS IN VEHICLE SALLYPORT WALLS TO BE INFILLED W/ CMU MATCHING EXISTING AND DOWELED W/ REBAR INTO THE SURROUNDING EX. CMU.
1-11	NEW OPENINGS TO BE CUT IN EXISTING VEHICLE SALLYPORT WALLS. PROVIDE GALVANIZED STEEL BEAM LINTEL.

1 FRAMING PLAN
1/8" = 1'-0"

48 Constitution Drive
Bedford, NH 03110
Phone #: (603) 472-4488
Fax #: (603) 472-9747
www.tem-engineers.com

ENGINEER

CONCEPTUAL SET
NOT FOR CONSTRUCTION
DATE: 08/05/15

BELKNAP COUNTY COMMUNITY CORRECTIONS
76 County Dr.
Laconia, NH 03246
PREPARED FOR
Sheerr McCrystal Palson Architecture Inc.
30 S. Main St., Building Two
Concord, NH 03301

DR. BY: RV | CHK BY: PES

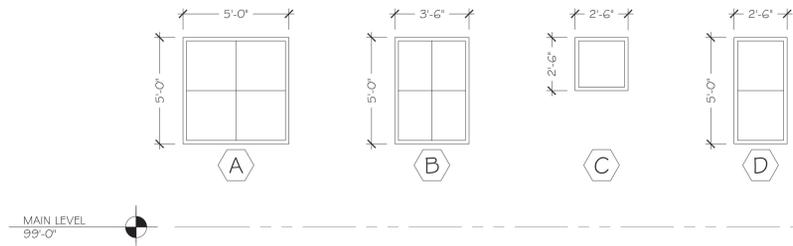
PROJ. # 95731.00

ROOF FRAMING PLAN

S1.3

DESCRIPTION OF REV. | REV. # | REV. DATE

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

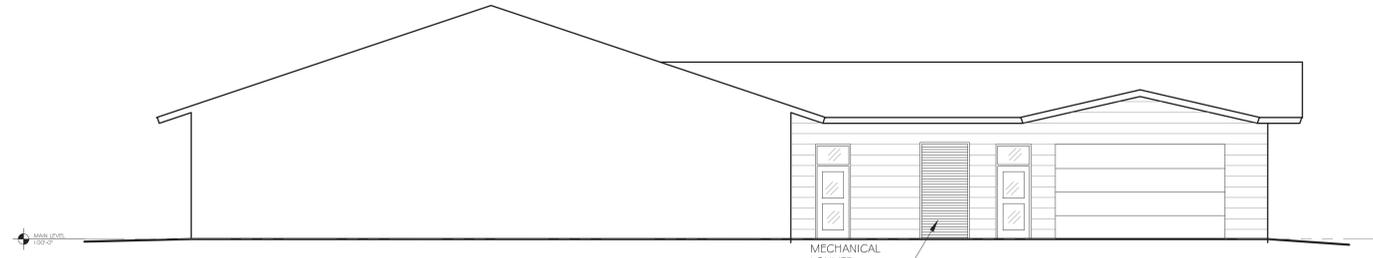


NOTE:

- WINDOW TYPE A W/ STANDARD LOW-E GLAZING
- WINDOW TYPE A I W/ LAMINATED LOW-E GLAZING AT INMATE ROOMS, TYP.
- WINDOW TYPE B W/ STANDARD LOW-E GLAZING
- WINDOW TYPE B I W/ LAMINATED LOW-E GLAZING AT INMATE ROOMS, TYP.
- WINDOW TYPE C W/ STANDARD LOW-E GLAZING
- WINDOW TYPE C I W/ LAMINATED LOW-E GLAZING AT INMATE ROOMS, TYP.
- WINDOW TYPE D W/ STANDARD LOW-E GLAZING
- WINDOW TYPE D I W/ LAMINATED LOW-E GLAZING AT INMATE ROOMS, TYP.

MAIN LEVEL
99'-0"

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



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

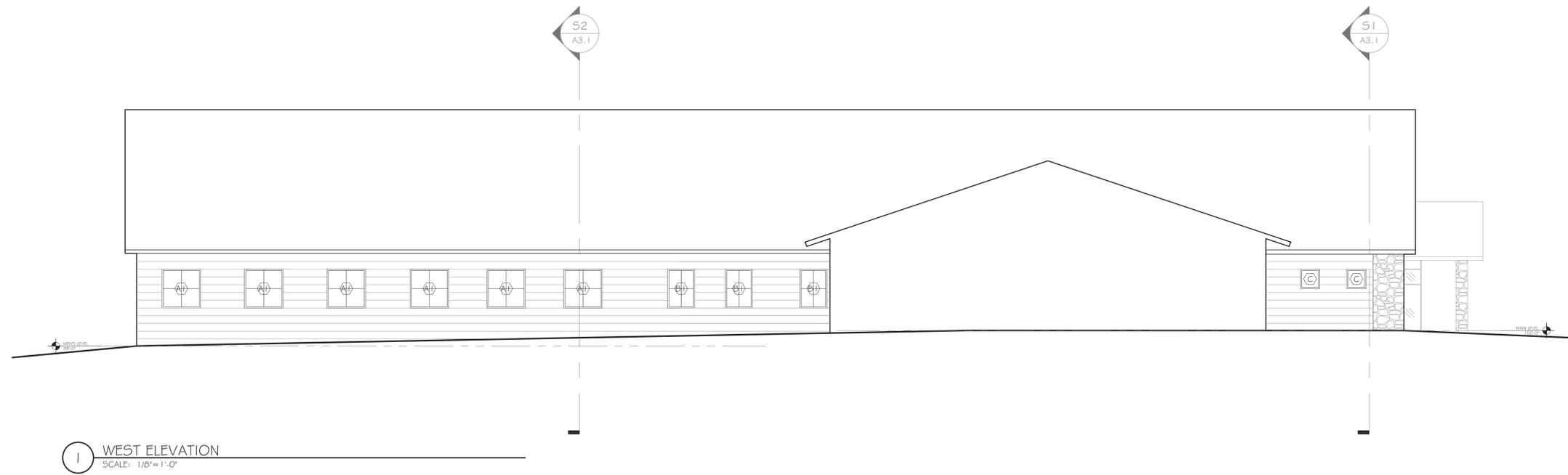
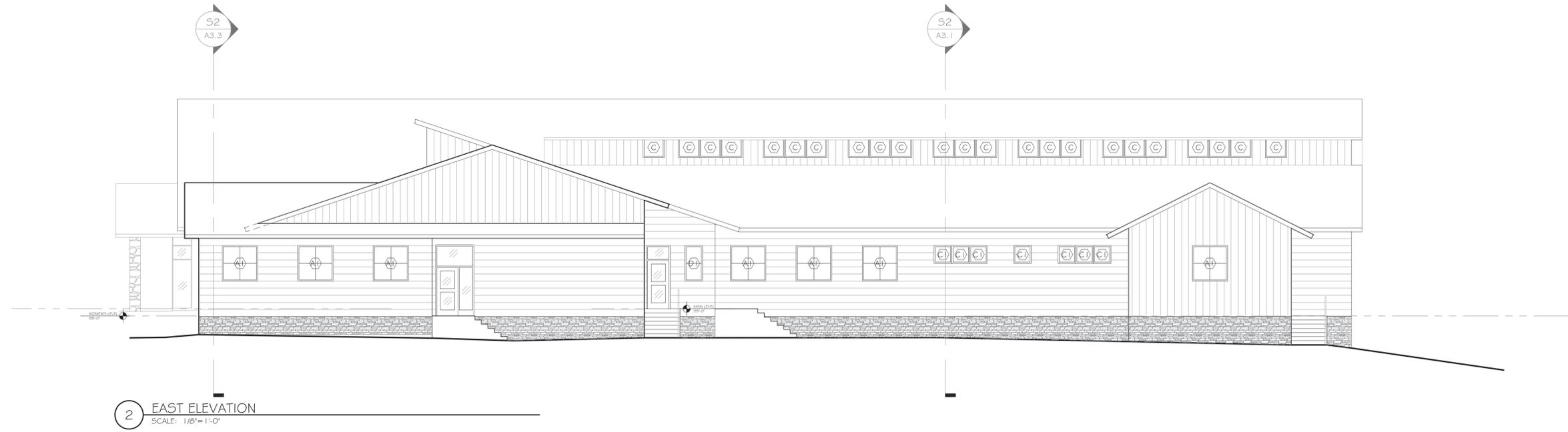


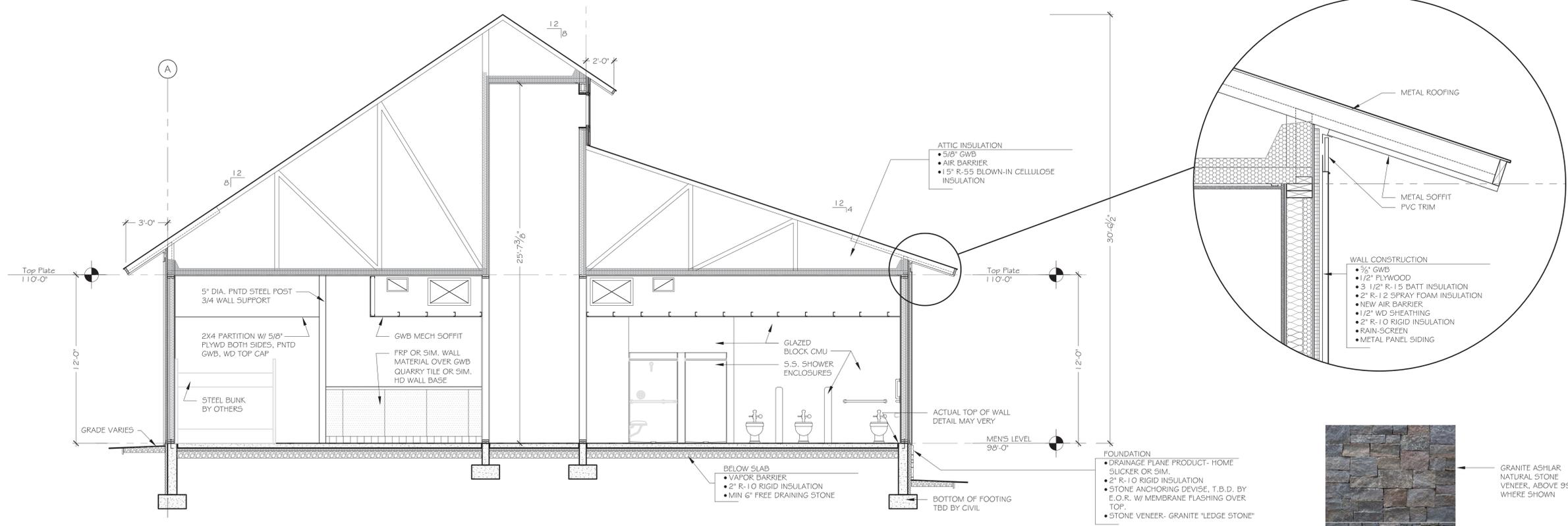
2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



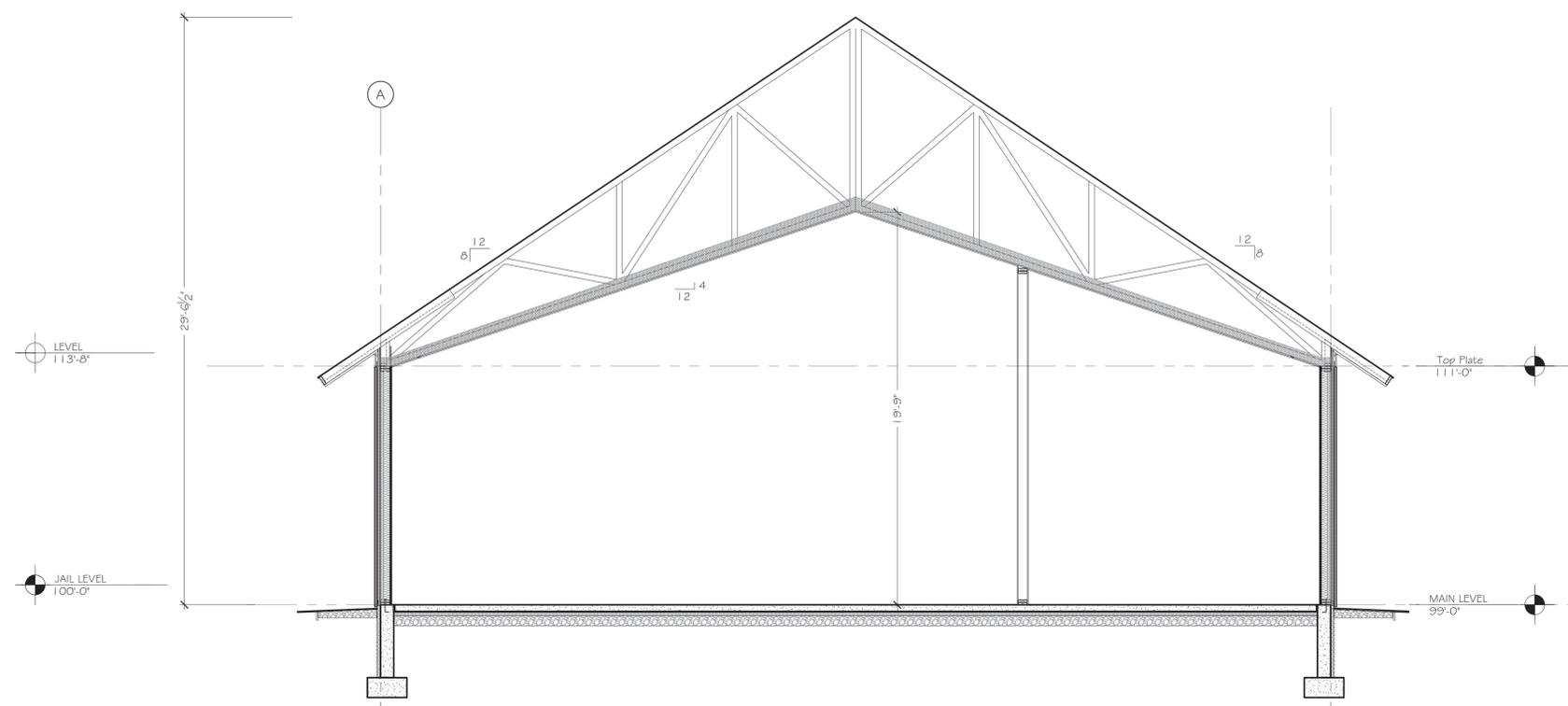
1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"







2 BUILDING SECTION AT MEN'S WING BUNK ROOMS
SCALE: 1/4"=1'-0"

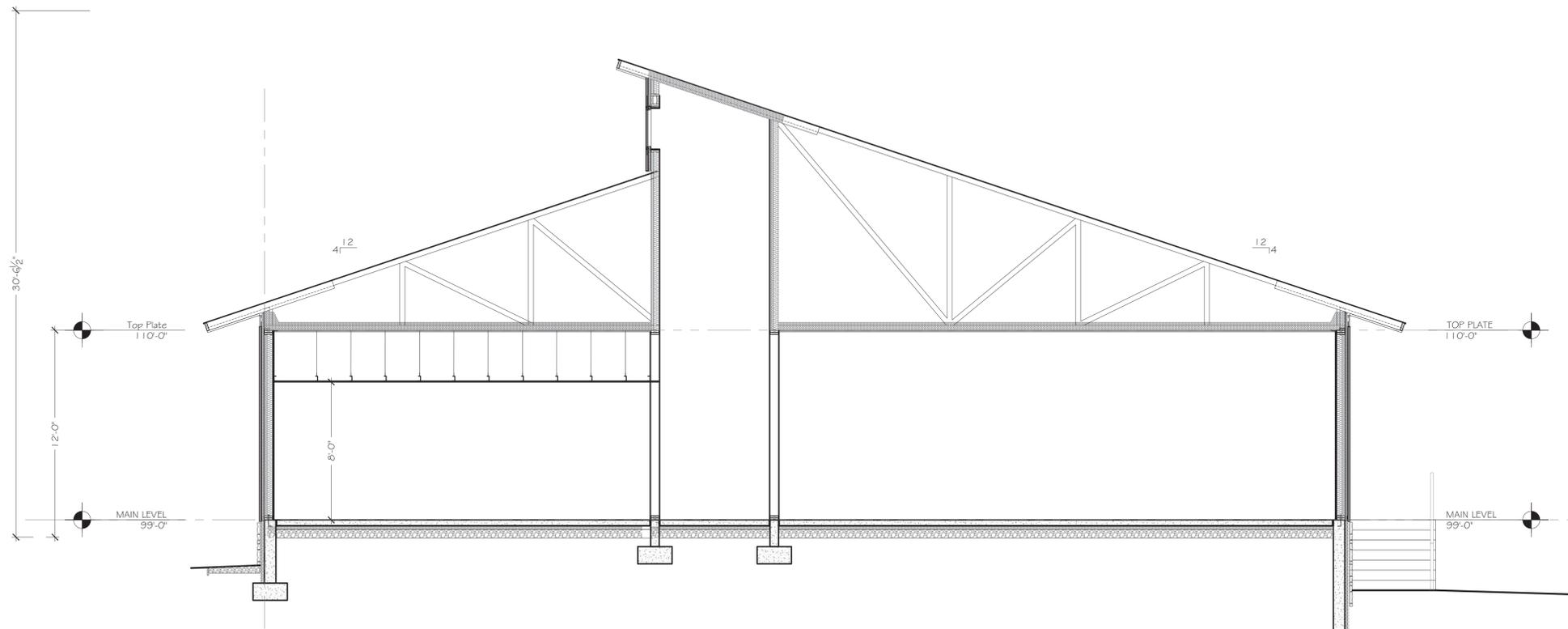


1 BUILDING SECTION AT LOBBY
SCALE: 1/4"=1'-0"

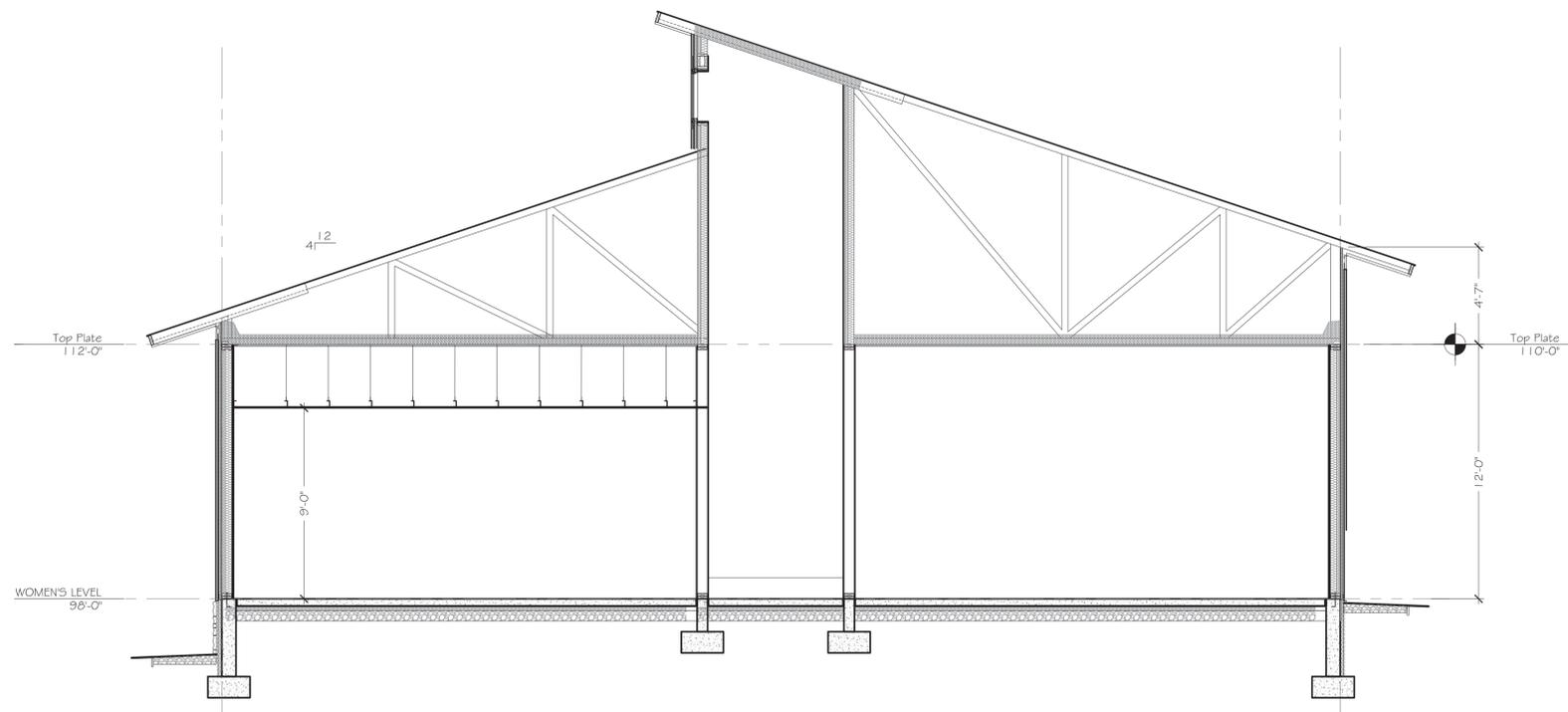


GRANITE ASHLAR
NATURAL STONE
VENEER, ABOVE 99'-0"
WHERE SHOWN

GRANITE LEDGESTONE
NATURAL STONE
VENEER, BELOW 99'-0"
AT EXPOSED
FOUNDATION WHERE
SHOWN



2 BUILDING SECTION AT WOMEN'S WING / MULTI-PURPOSE RM
SCALE: 1/4" = 1'-0"



1 BUILDING SECTION AT WOMEN'S WING
SCALE: 1/4" = 1'-0"

