



**STORRS HILL FACILITY PLANNING ADVISORY
COMMITTEE
JUNE 25, 2024 - 6:00 PM
STORRS HILL SKI LODGE
60 SPRING STREET, LEBANON**

- 1. Call to Order**
- 2. Approval of Minutes**
 - A. June 11, 2024
- 3. Old Business**
- 4. New Business**
 - A.
50m Jump Condition Presentation: Cricket McCuster
 - B. 25m jump replacement: design and cost estimate
- 5. Other Business**
- 6. Future Agenda Items**
- 7. Next Meeting Date**
 - A. Tuesday July 9, 2024. 6:00 pm Storrs Hill Ski Lodge
- 8. Adjournment**

The order of agenda items is subject to change.

Meetings are open for in-person and remote attendance. Members of the public that wish to attend remotely may do so by going to LebanonNH.gov/Live where you will find instructions on how to enter the meeting. Members of the public will be able to participate and ask questions through the City's virtual platform or by phone. Please note: Should technical difficulties occur during the meeting that disrupts virtual or phone connection(s), the meeting will continue without remote access capabilities.

Draft

**CITY OF LEBANON
STORRS HILL FACILITY PLANNING ADVISORY COMMITTEE
MINUTES June 11, 2024
Storrs Hill Ski Area Lodge & LebanonNH.gov/Live
6:00PM**

MEMBERS PRESENT: (8/8)

**Jennifer Meade
Daniel Mielcarz
Angela Orlando
Brett Sowerby
Trent Jones
Stephanie Vallee
Cory Grant**

Lauren Cockerill (Alternate)

MEMBERS ABSENT: (0/7)

STAFF PRESENT: (2)

Paul Coats (Recreation Arts & Parks Director)

1
2 **1. CALL TO ORDER**

3
4 Paul Coats called the meeting to order at 6:00 pm.

5
6 **2. APPROVAL OF MINUTES**

7
8 Minutes were accepted as written by unanimous vote of the committee. 8 yes. 0 no.

9
10 **3. NEW BUSINESS**

11
12 **A. Facility Tour: Lodge, 50m Jump, Poma Lift, former 25m jump site**

13
14 Guest Walter Malmquist introduced the group to the tour, calling it a gem and a place for the community
15 to be proud of. Lebanon Outing Club (LOC) President Cory Grant, and Vice President Stephanie Vallee
16 oriented the committee to the hill's various facilities, including the 50m jump, a walk to the landing area,
17 the pump house, a description of the lift shacks, ski patrol shed, maintenance building, and former
18 location of the 25m jump.

19 Dan Mielcarz asked about the 15m jump and it's state of readiness.

20 Stephanie walked the committee through each room of the lodge and described the LOC's effort to
21 comply with code and insurance.

22
23
24 **B. Facility Maintenance Needs Overview**

25
26 Next meeting agenda will include a presentation by Cricket M, Structural Engineer who has donated
27 significant time to assessing the 50m jump's maintenance needs.

28 Questioned as to whether her presentation will include talking about the replacement of the 25m jump.

29 Coats replied that she will focus on the 50m jump needs, but we will provide 25m jump replacement
30 plans and cost to the committee separately.

1 Discussion about lodge expansion and kitchen changes to increase the programmable footprint and
2 functionality.
3

4 **C. Overview of Programming**

5 Cory Grant explained the finances for the jumping program, and compared it to the finances of the alpine
6 ski/lessons/special events. Questions were asked about the finances of ski jumping: why does it lose
7 money, it didn't always have such small participation. Cory stressed that he is trying to give an accurate
8 representation of the financial situation with jumps.

9 Question about what our committee's purpose is if the LOC has already thought through the impacts of
10 various facility investments. Stephanie replied that the LOC does talk about this stuff regularly, but they
11 are just a few invested people making decisions that affect the whole community, so the committee's
12 input and recommendations are important for vetting LOC ideas and demonstrating to the community that
13 additional community members have taken a fresh look at our possibilities.
14
15

16 **4. OTHER BUSINESS**

17
18 A. Future agendas to include the ski jump status presentation (next meeting), a history of Storrs Hill
19 Ski Area (Erling Heisted and Walter Malmquist). Coats stated that the current status and finances
20 are certainly a consideration for the committee, but historical perspective and other factors will
21 also be presented for consideration.

22 B. Next meeting set for June 25. 6:00 pm at Storrs Hill Ski Area Lodge
23
24

25 **5. OPEN TO THE PUBLIC**

26
27 None
28

29 **6. ADJOURNMENT**

30
31 *Paul Coats adjourned the meeting at 7:30 pm.*
32

33 Respectfully submitted,
34 Paul Coats

STORRS HILL

K-25 SKID JUMP

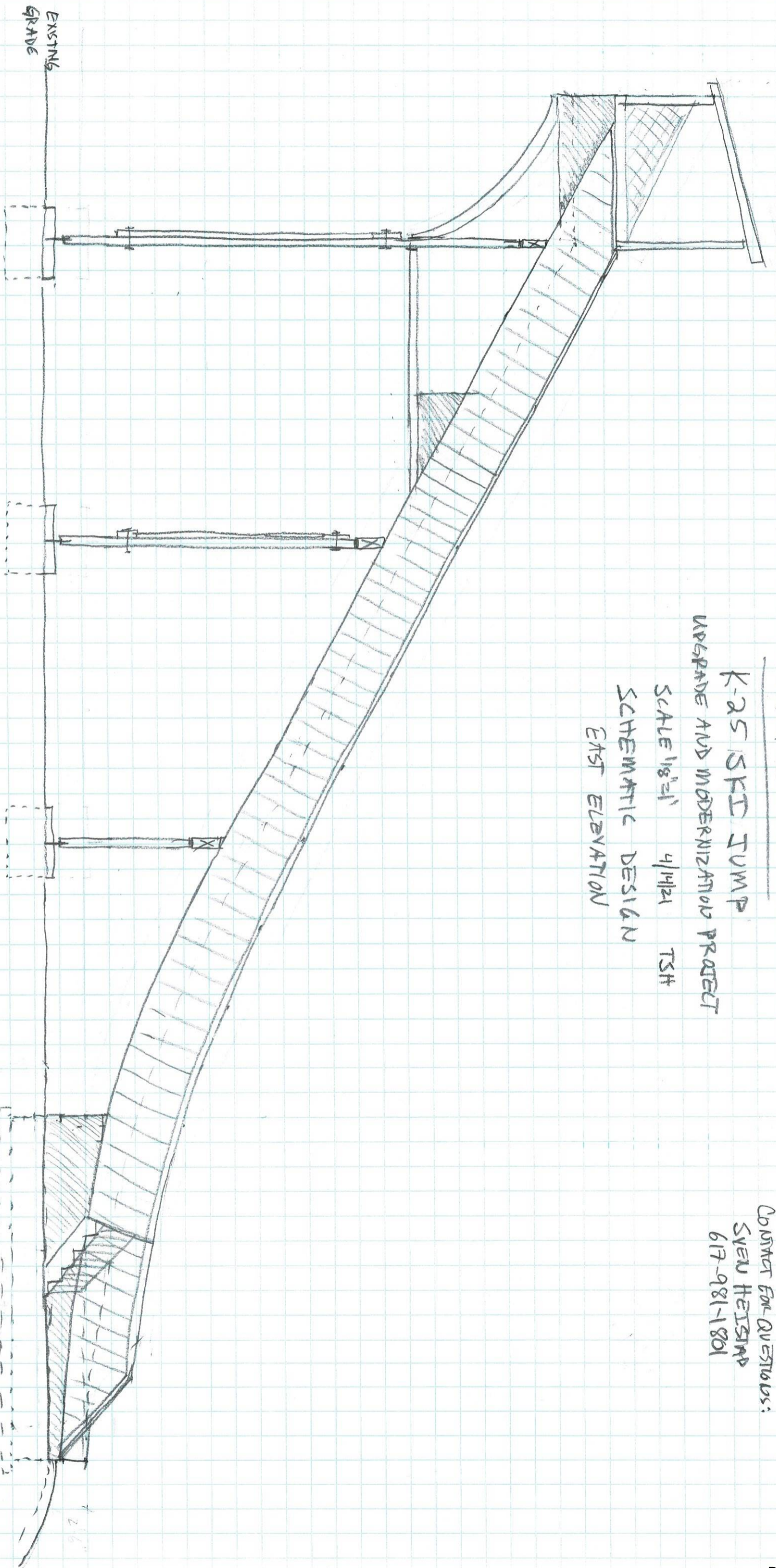
UPGRADE AND MODERNIZATION PROJECT

SCALE 1/8"=1' 4/14/21 TSH

SCHEMATIC DESIGN

EAST ELEVATION

CONTACT FOR QUESTIONS:
SYDNEY HEISMAN
617-981-1801



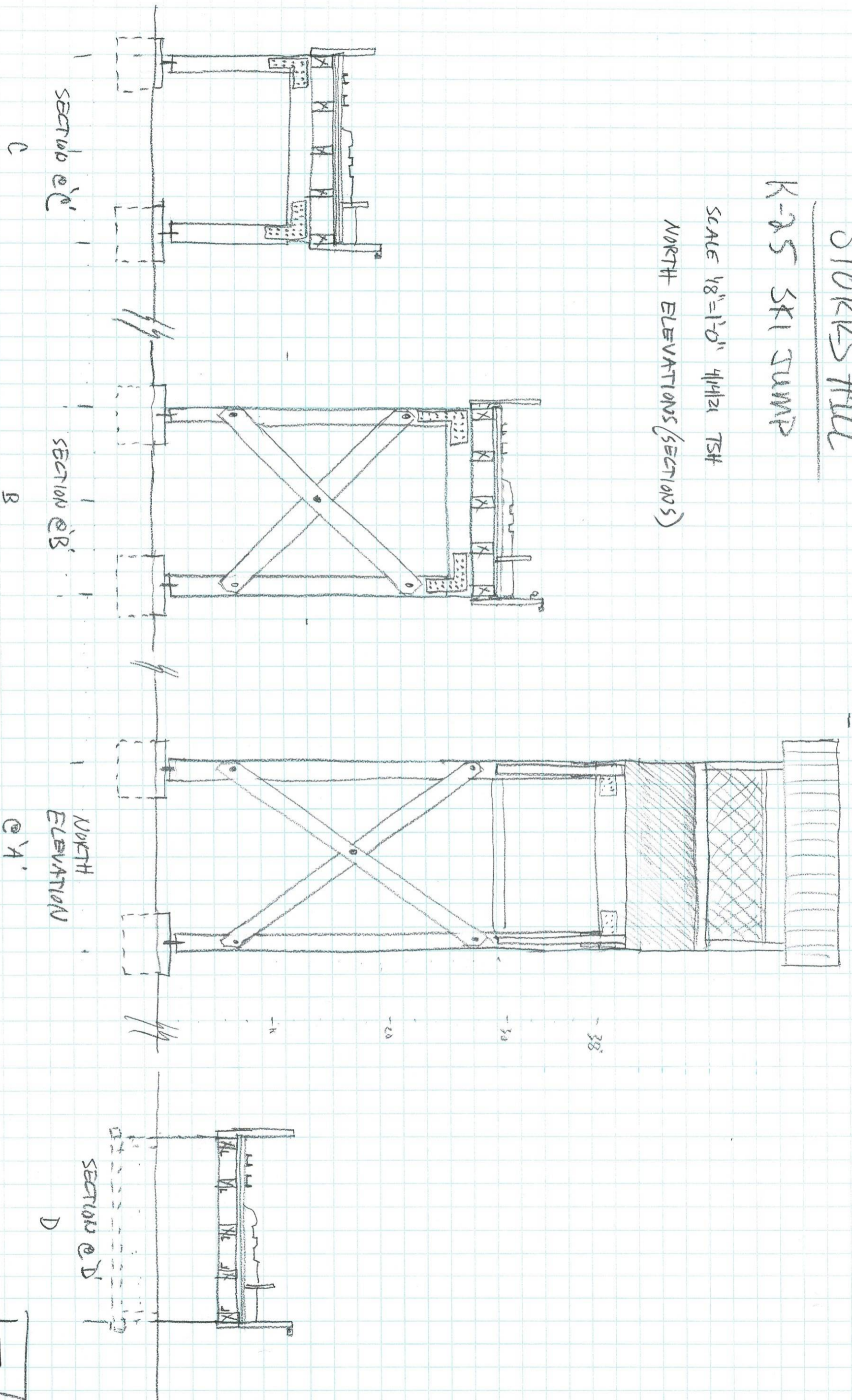
SHEET 1

STORRS HILL

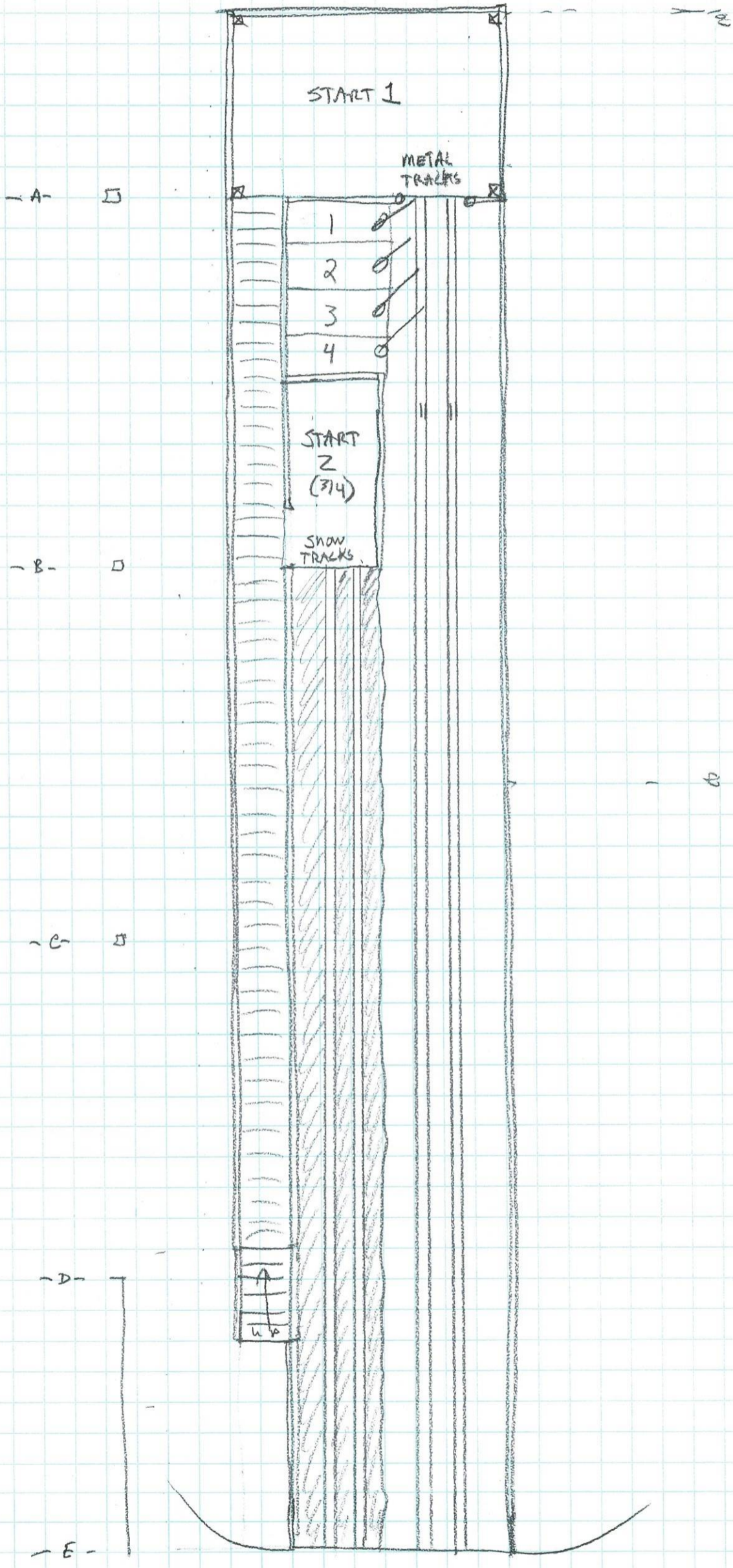
K-25 SKI JUMP

SCALE 1/8" = 1'-0" 4/14/21 TSH

NORTH ELEVATIONS (SECTIONS)



STORRS HILL
K-25 SEI JUMP



SHEET [3]

STORRS HILL

K-25 SKI JUMP

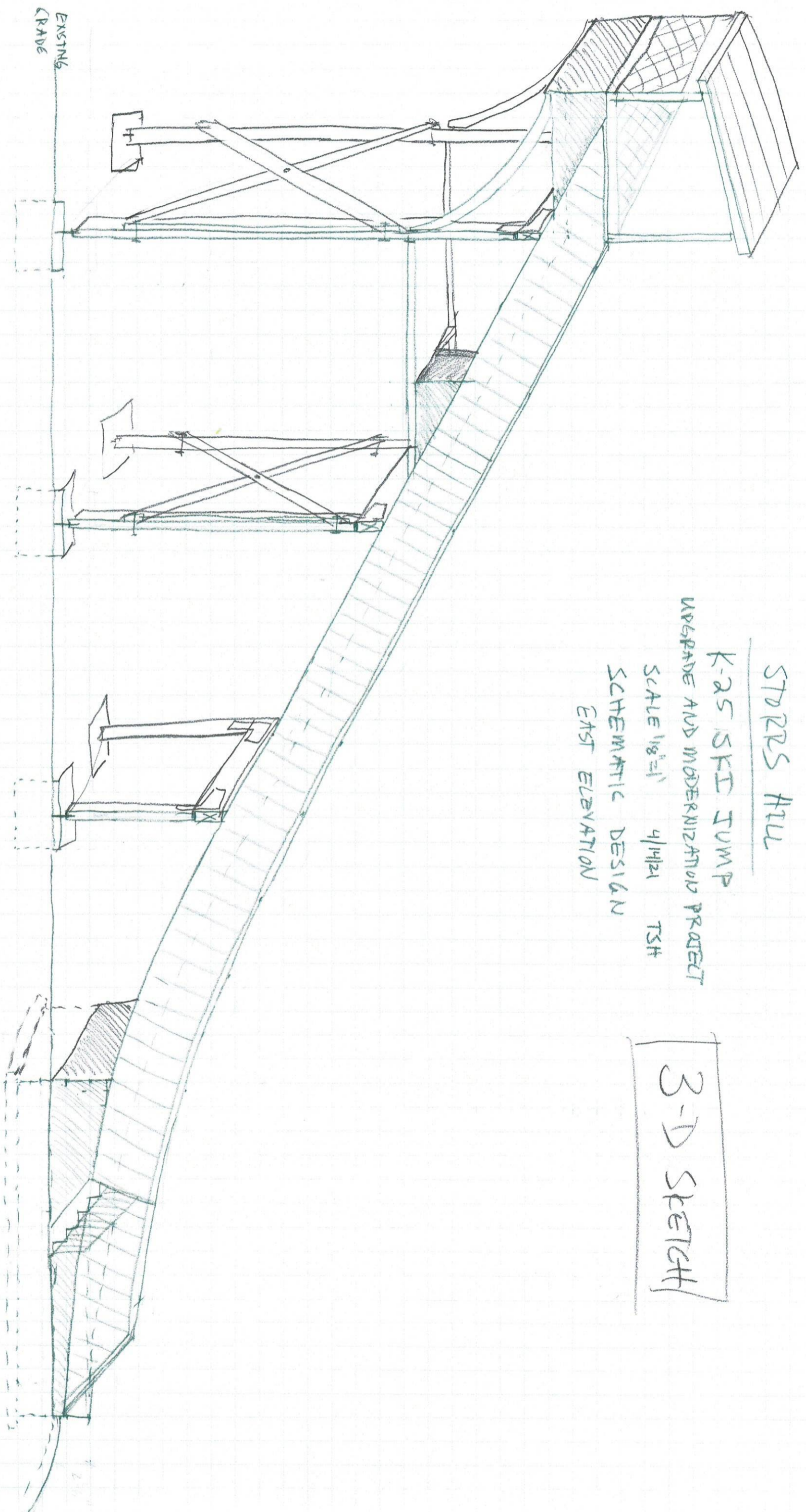
UPGRADE AND MODERNIZATION PROJECT

SCALE 1/8"=1' 4/11/21 TSH

SCHEMATIC DESIGN

EAST ELEVATION

3-D SKETCH



EXISTING GRADE

A

B

C

D

SHEET

4

STORRS HILL

K-25 SKI JUMP

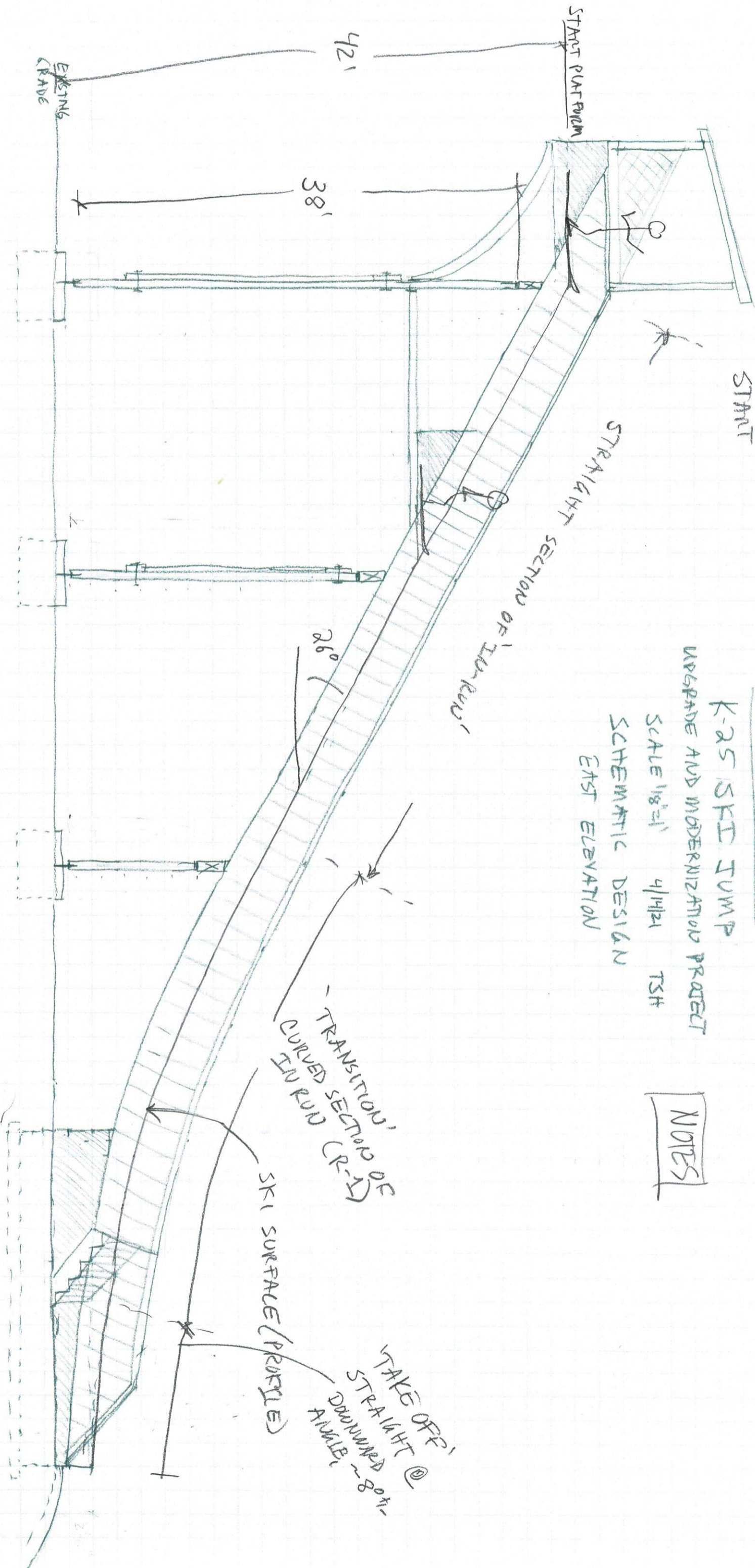
UPGRADE AND MODERNIZATION PROJECT

SCALE 1/8"=1' 4/11/21 TSH

SCHEMATIC DESIGN

EAST ELEVATION

NOTES



SHEET

5

STORPS HILL

K-25 SKI JUMP

UPGRADE AND MODERNIZATION PROJECT

SCALE 1/8"=1' 4/16/21 TSH

SCHEMATIC DESIGN

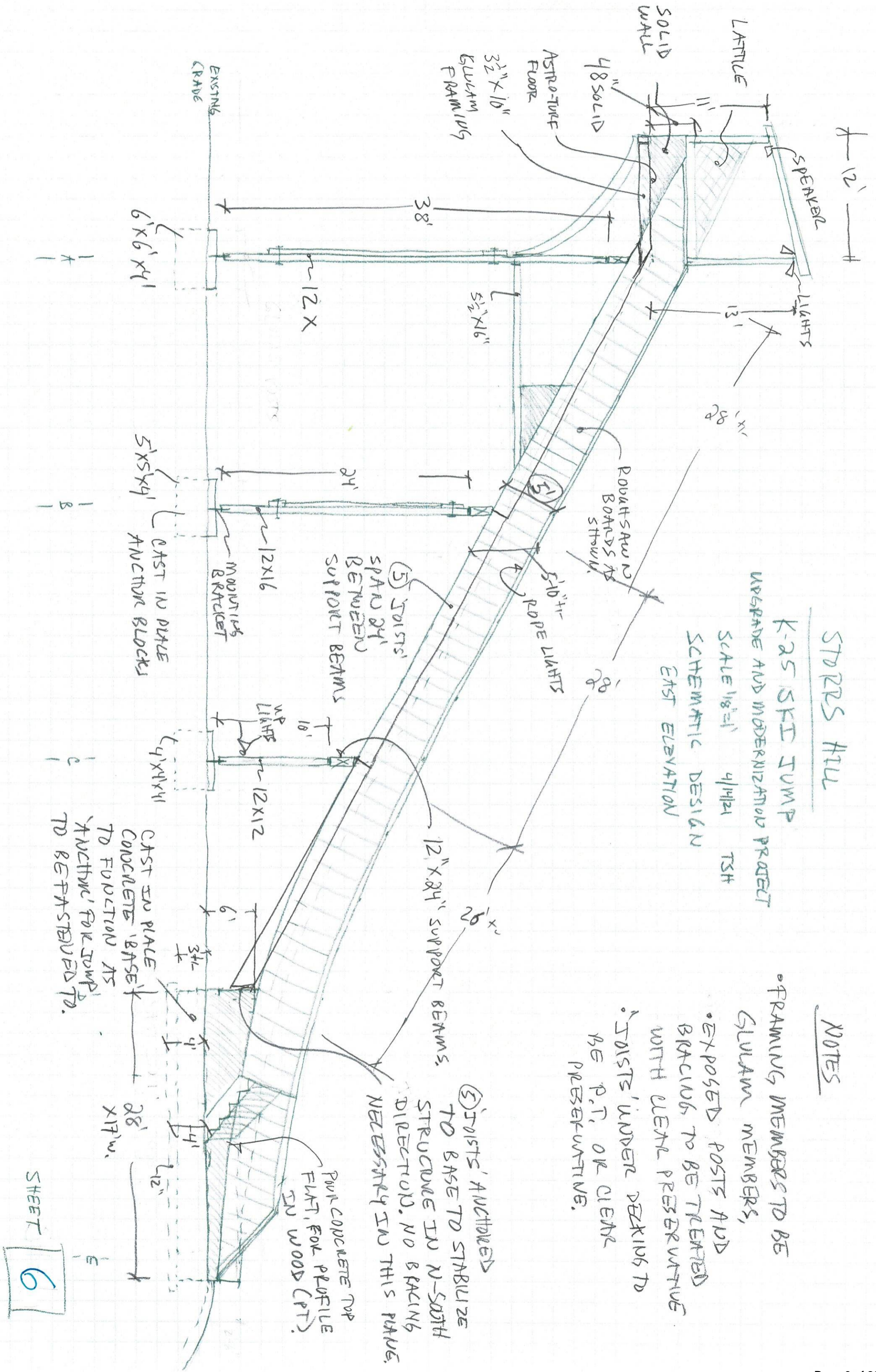
EAST ELEVATION

NOTES

- FRAMING MEMBERS TO BE GLULAM MEMBERS,
- EXPOSED POSTS AND BRACINGS TO BE TREATED WITH CLEAR PRESERVATIVE
- JOISTS UNDER DECKING TO BE P.T. OR CLEAR PRESERVATIVE.

JOISTS' ANCHORED TO BASE TO STABILIZE STRUCTURE IN N-SOUTH DIRECTION. NO BRACING NECESSARY IN THIS PLANE.

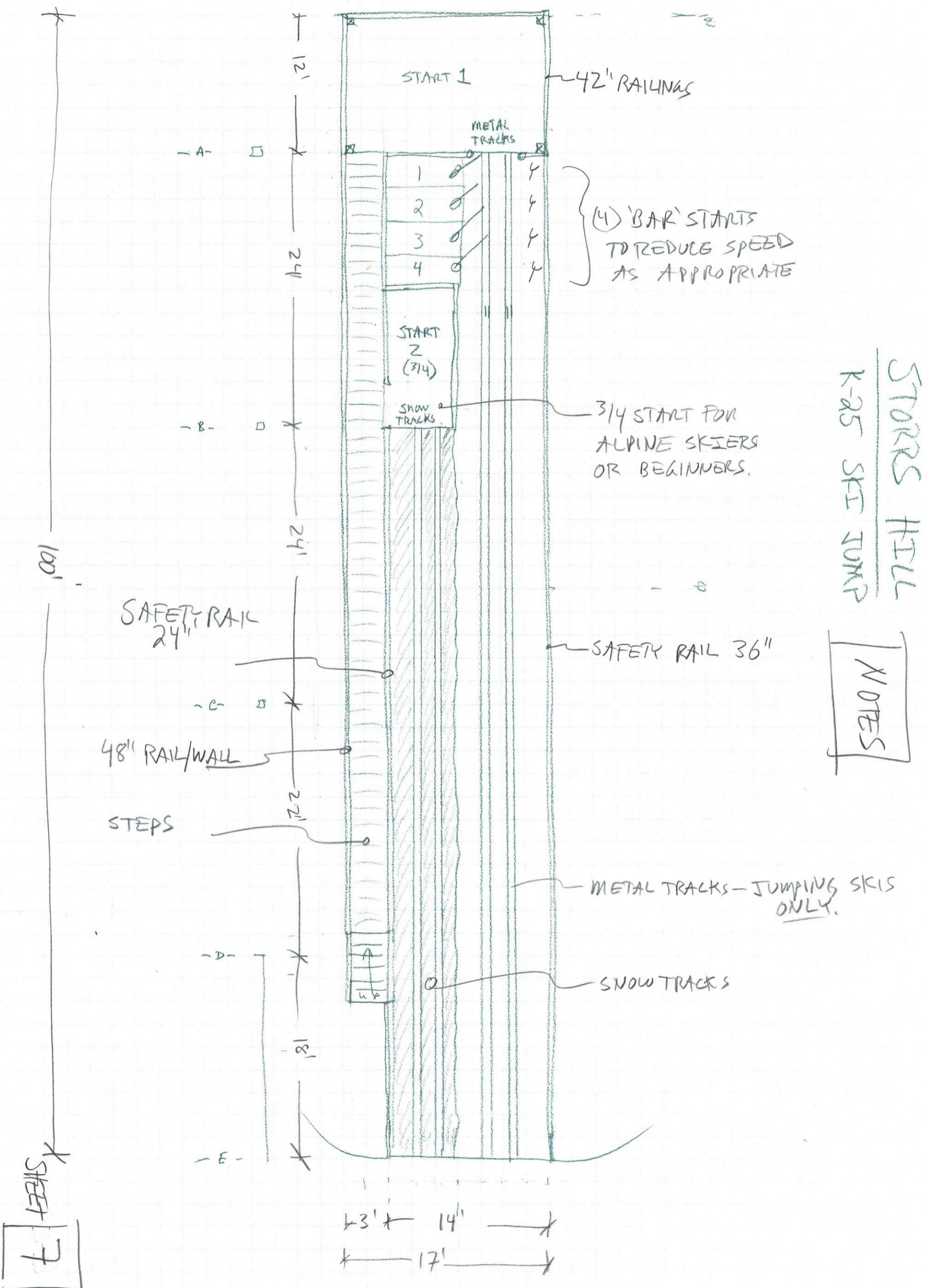
POUR CONCRETE TOP FLAT, FOR PROFILE IN WOOD (PT).



SHEET 6

STORRS HILL
K-25 SKI JUMP

NOTES



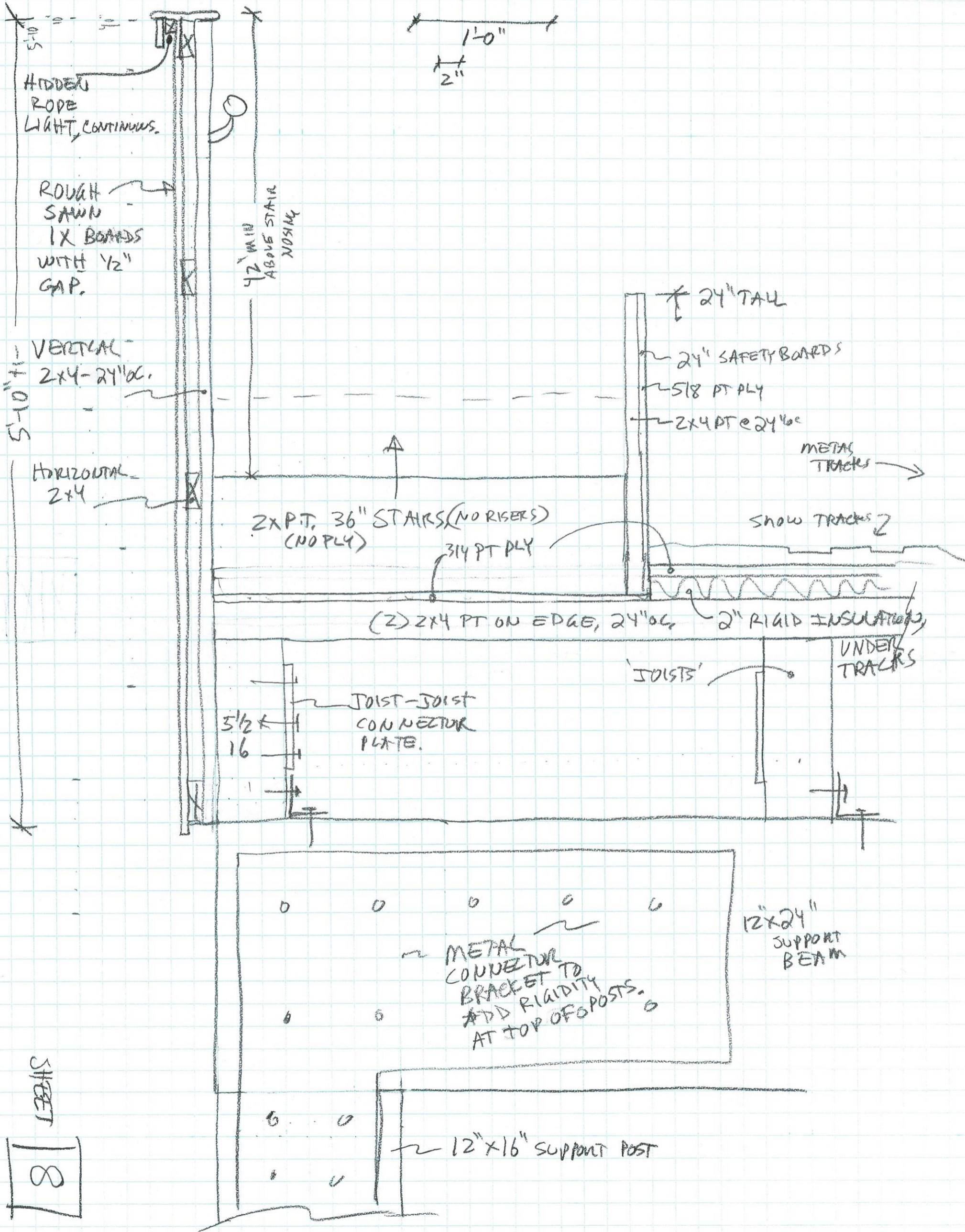
STORRS HILL

25K SKI JUMP

9/14/21 TSH

DECK SECTION

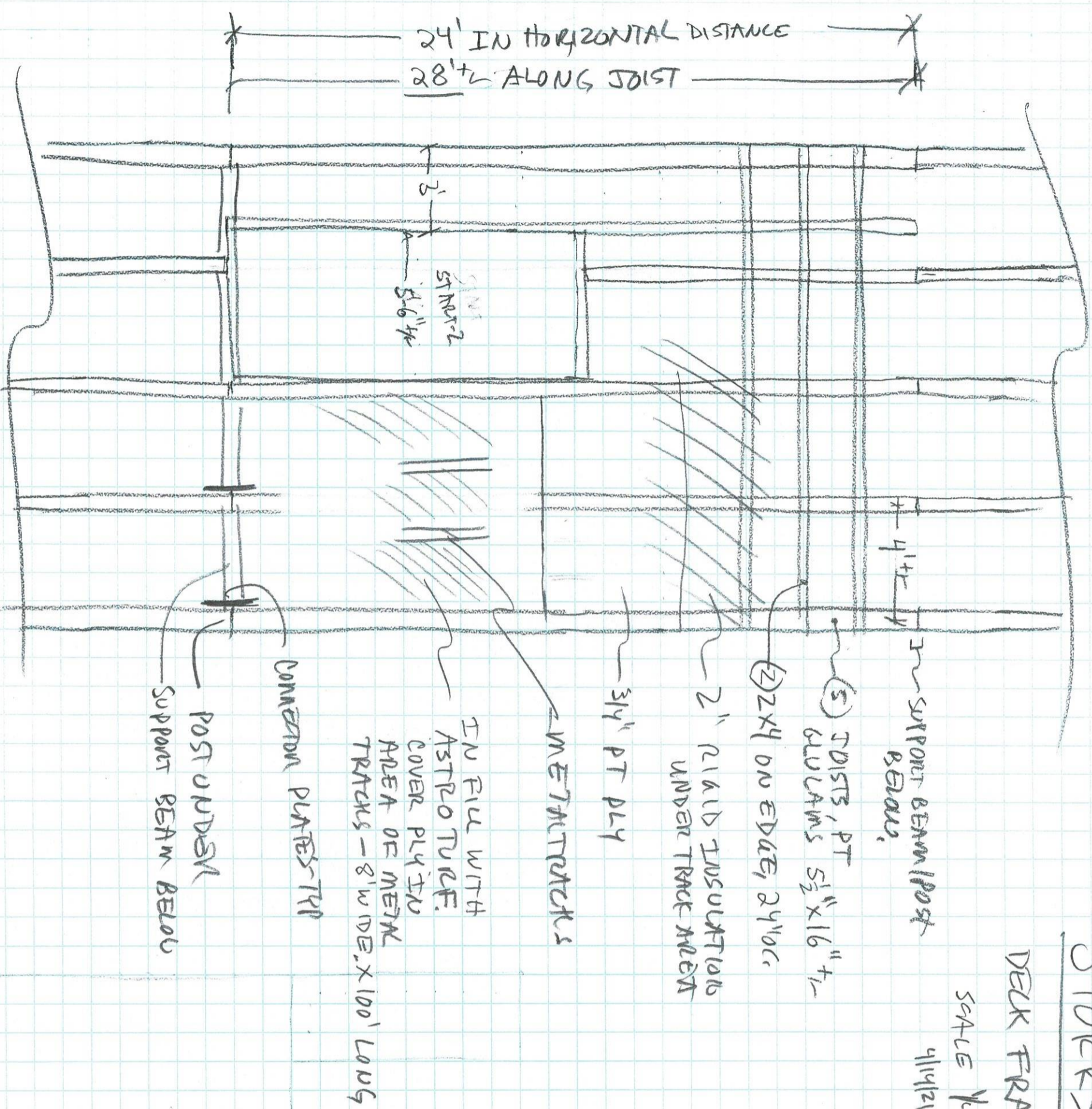
SCALE 1/2" = 1'-0"



STORRS HILL

DECK FRAMING

SCALE 1/4" = 1'-0"
9/11/21 TSH



24' support

SHEET 9

STORERS HILL

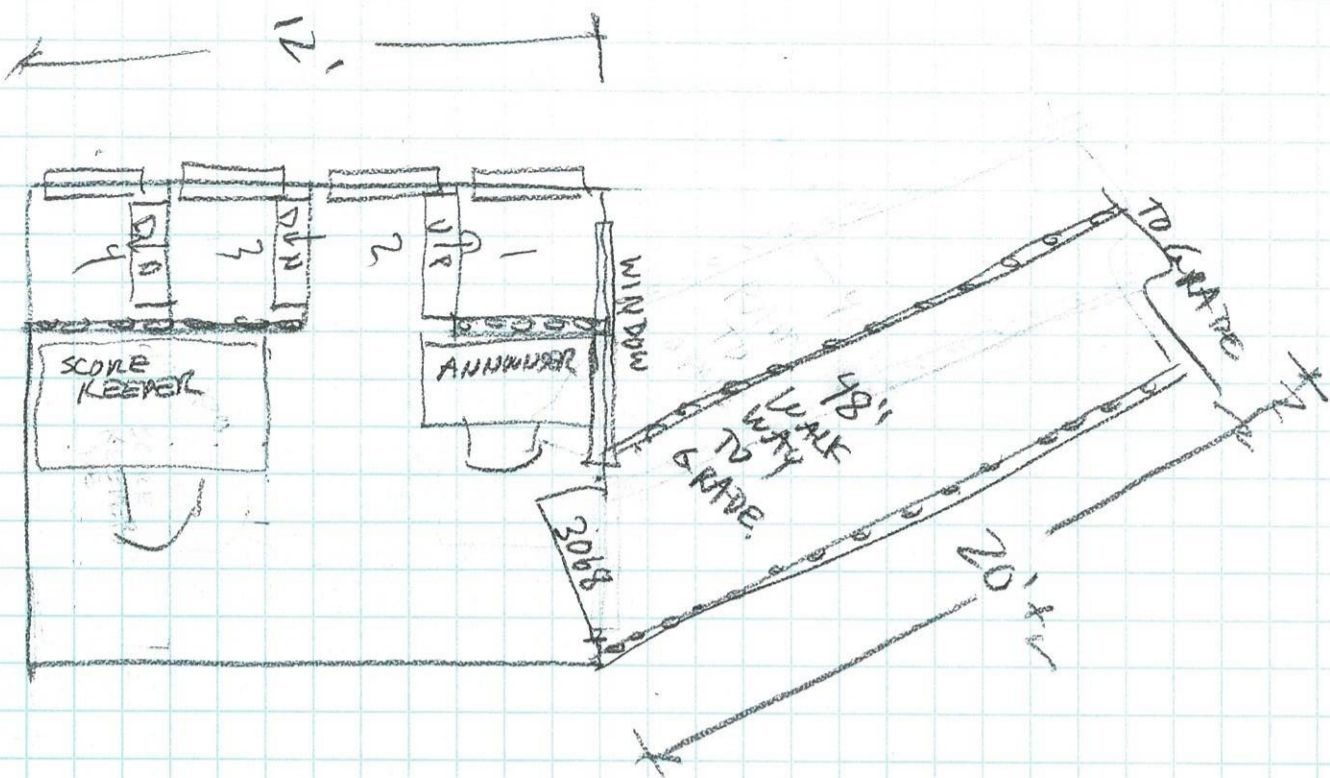
K-2S SKI JUMP

NEW JUDGES STAND

SCALE 1/4" = 1'-0"

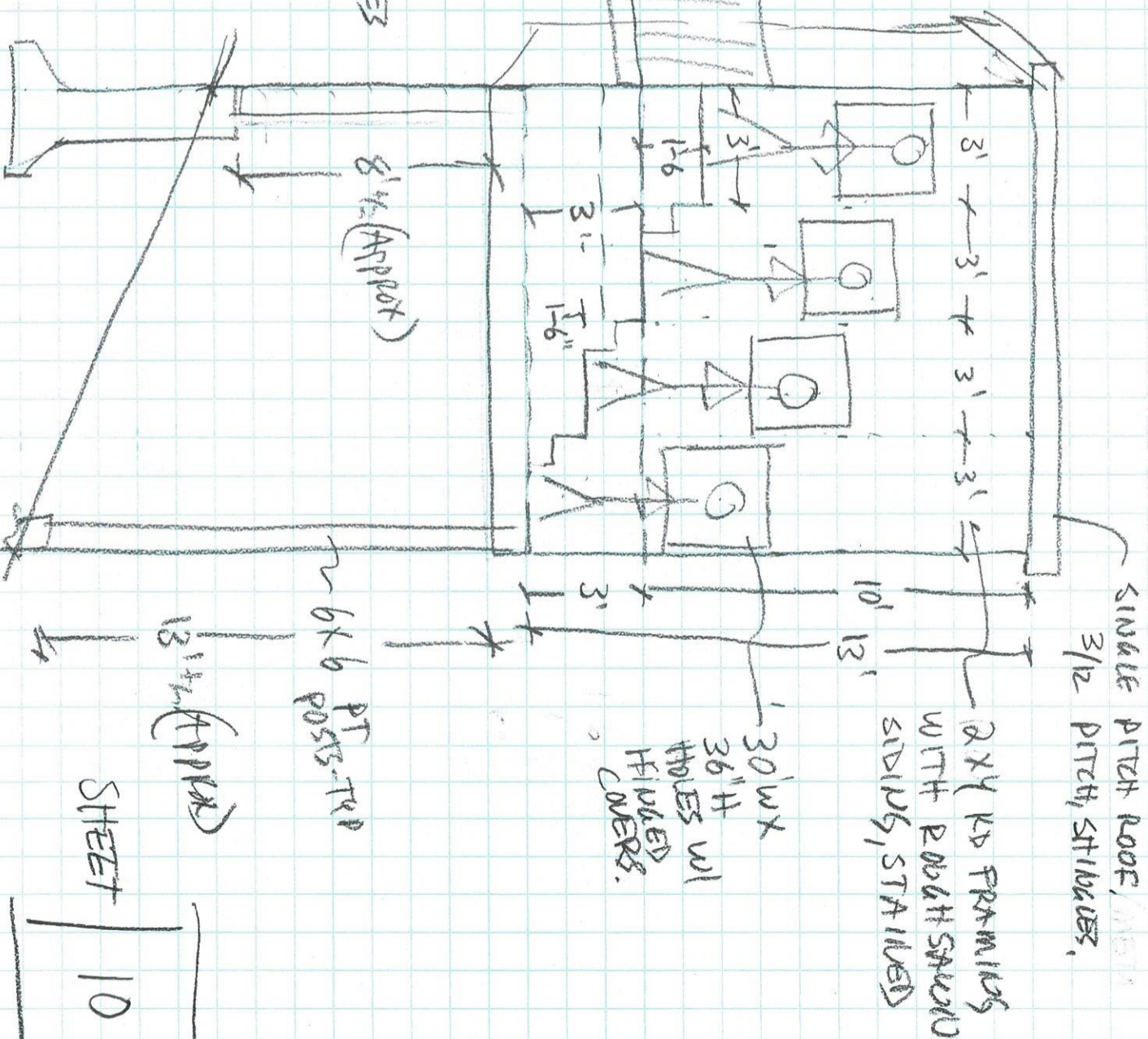
1/4" = 1/2" BT

- UNHEATED
- POWER FOR
- LIGHTS, COMPUTERS,
- SOUND SYSTEM,
- ETC.



48" RAMP TO GRADE
APPROX 20' LONG,
W/ 4 1/2" RAILS ON BOTH SIDES

⊕ EXACT POSITIONS AND
RELATIONS TO SKI JUMP
TO BE DETERMINED



SINGLE PITCH ROOF, 3/12 PITCH, STRIBLES.

2X4 KD FRAMING
WITH ROUGH SAUND
SIDING, STAINED

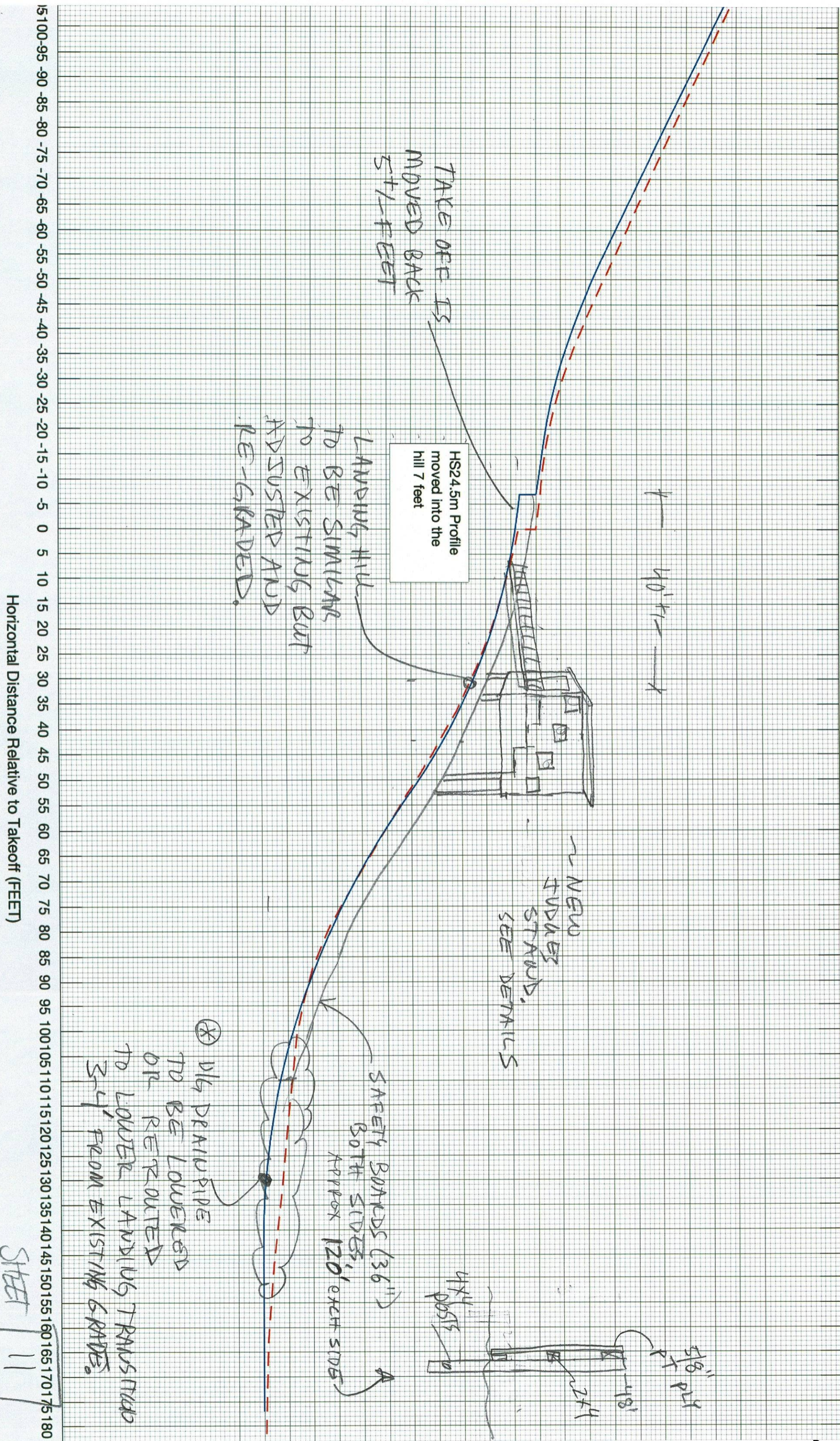
30' Wx
36" H
HOLES W/
FINISHED
COVERS.

6x6 PT
POSTS-TIE

13 1/2' (APPROX)

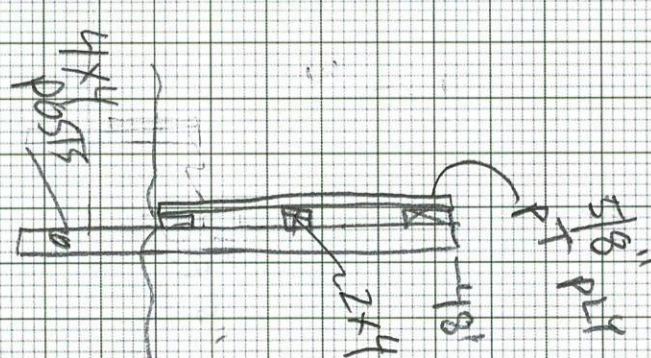
SHEET

10



40' + 1'

~ NEW STUDIES STRAWS. SEE DETAILS.



SAFETY BORDERS (36") BOTH SIDES, APPROX 120' EACH SIDE

⊗ 4 1/2" DRAIN PIPE TO BE LOWERED OR REROUTED TO LOWER LANDING TRANS MUD 3'-4' FROM EXISTING GRADE.

Horizontal Distance Relative to Takeoff (FEET)

STEEL 11

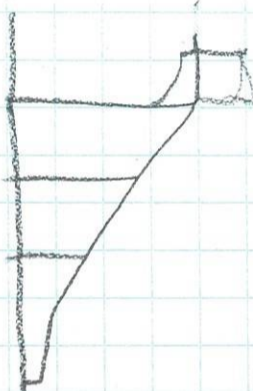
5100-95 -90 -85 -80 -75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

STAIRS HILL

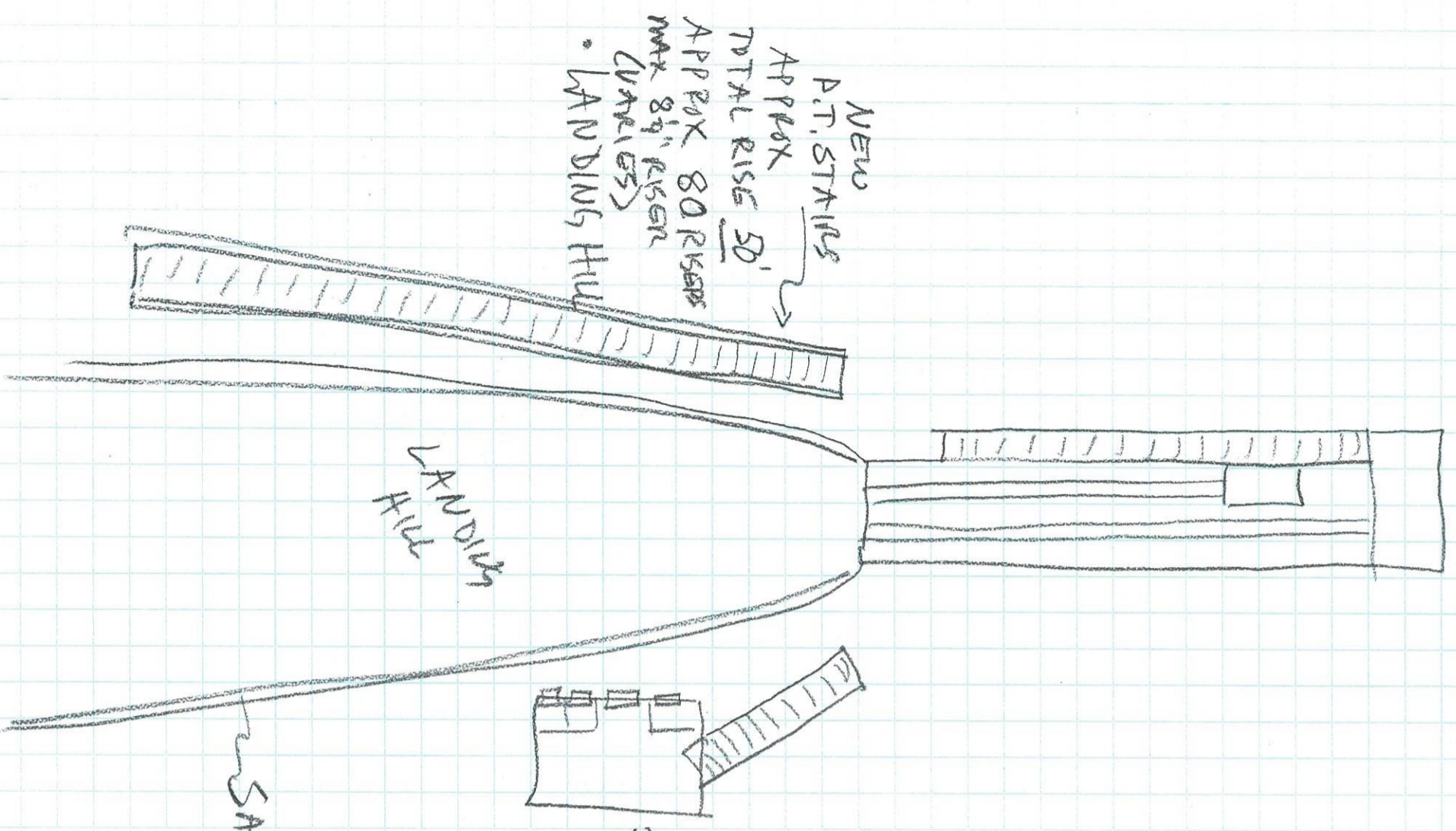
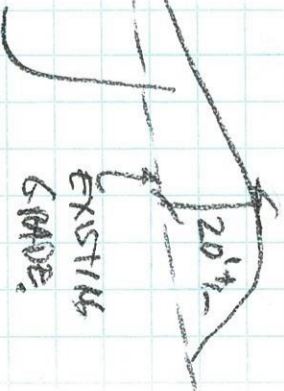
LANDING HILL / OUTRUN

NOT TO SCALE

4/14/21 TSH



• ADD PILE TO CAPTURE MOMENTUM AND RETURN JUMPER TO BASE OF STAIRS



SAFETY BONDS
36" BOTH SIDES
TO TRANSITION

NEW STUDIES STAIRS
& SEE DETAILS

STORRS HILL

K-25 SKI JUMP

UPGRADE AND MODERNIZATION PROJECT

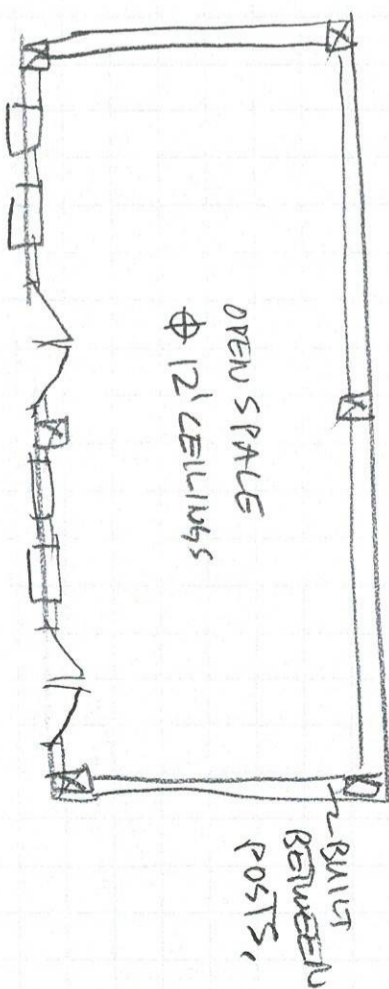
SCALE 1/8"=1' 4/14/21 TSH

SCHEMATIC DESIGN

EAST ELEVATION

ALT - 'A'

ADD TRAVELING + EQUIPMENT ROOM - AREA - "SUMPTUOUS-2"



SWITCH TO 4' Frost Wall

EXISTING GRADE

12'

1 A

1 B

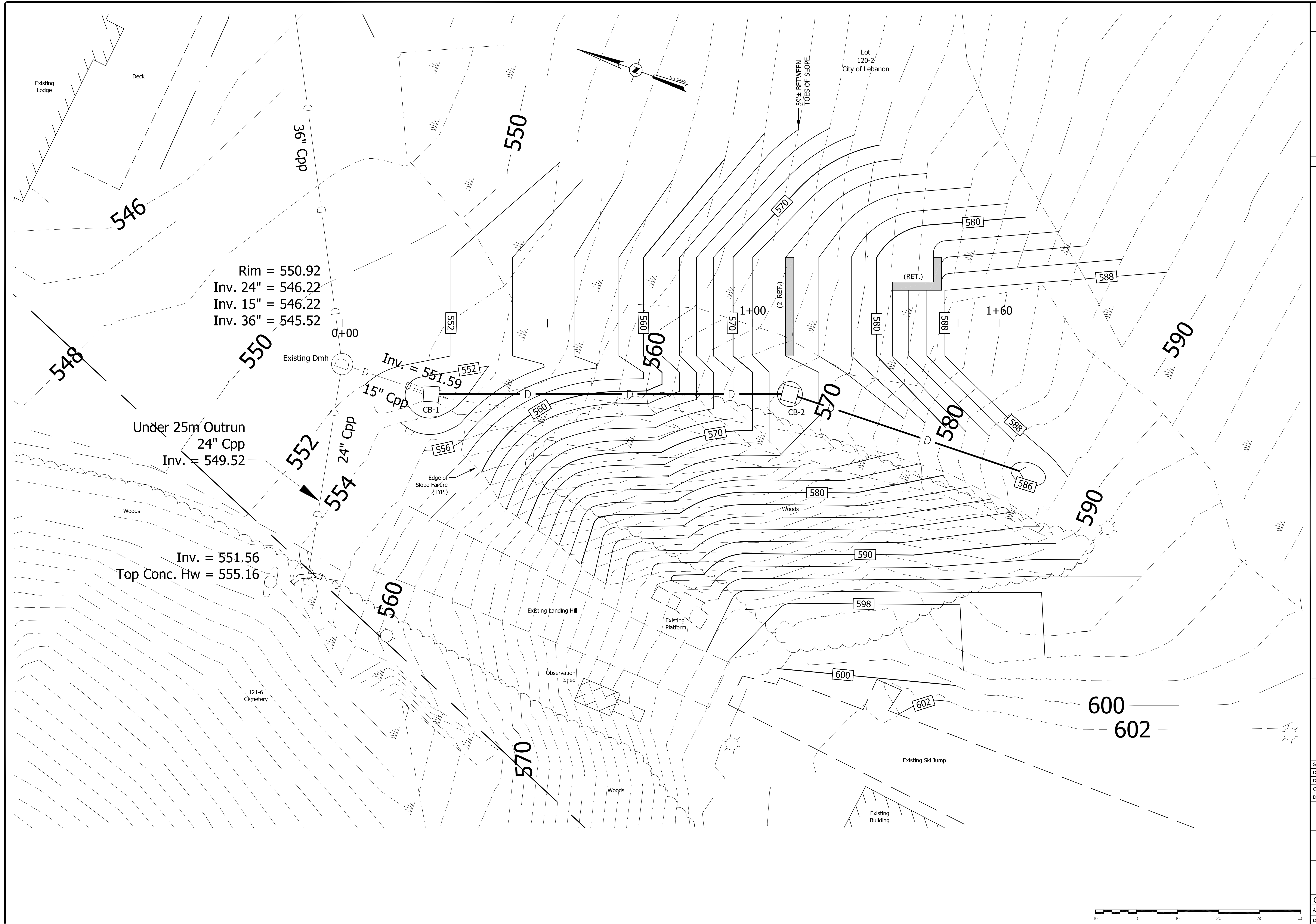
1 C

1 D

1 E

SHEET

13



#	REVISIONS	DATE

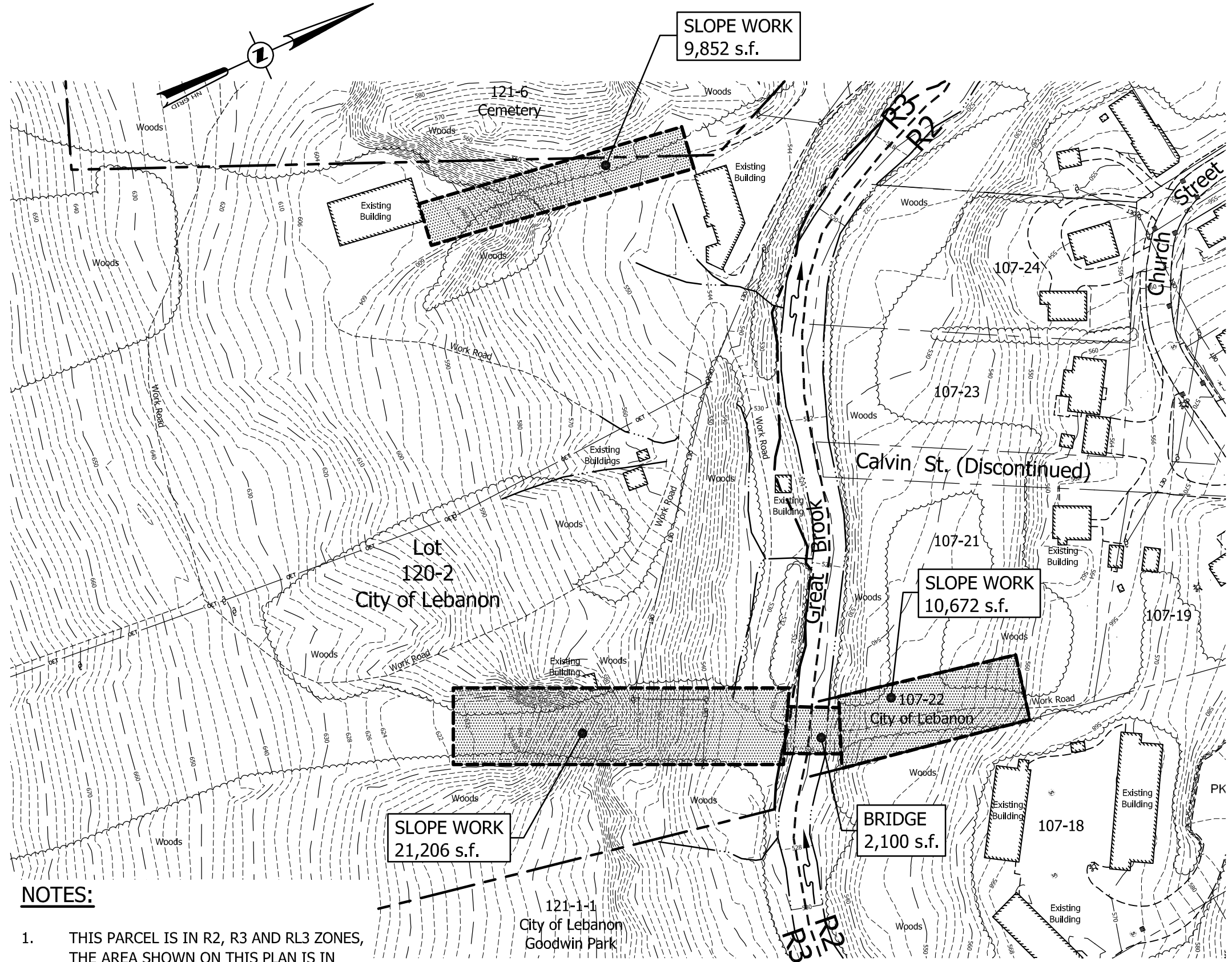
DETAILED GRADING PLAN
 FOR
STORRS HILL SKI JUMP
 IN
LEBANON, NEW HAMPSHIRE

ADVANCED GEOMATICS & DESIGN
 105 BANK STREET - PO BOX 512
 LEBANON, NEW HAMPSHIRE 03766
 PHONE: (603) 448 6295
 E-MAIL: advancedgeomatcs@comcast.net

SURVEYED: PATON
 DESIGNED: DAN
 DRAWN: KH
 CHECKED: DAN
 DATE: 10/31/19

STORRS HILL SKI JUMP
DETAILED GRADING PLAN
C-4

© 2019
 ADVANCED GEOMATICS & DESIGN
 DWG: 1802018020-PL3



NOTES:

1. THIS PARCEL IS IN R2, R3 AND RL3 ZONES, THE AREA SHOWN ON THIS PLAN IS IN THE R3 ZONE.
2. TOTAL AREA OF SLOPE WORK AND BRIDGE WORK = 43,830 s.f.

ADVANCED GEOMATICS & DESIGN

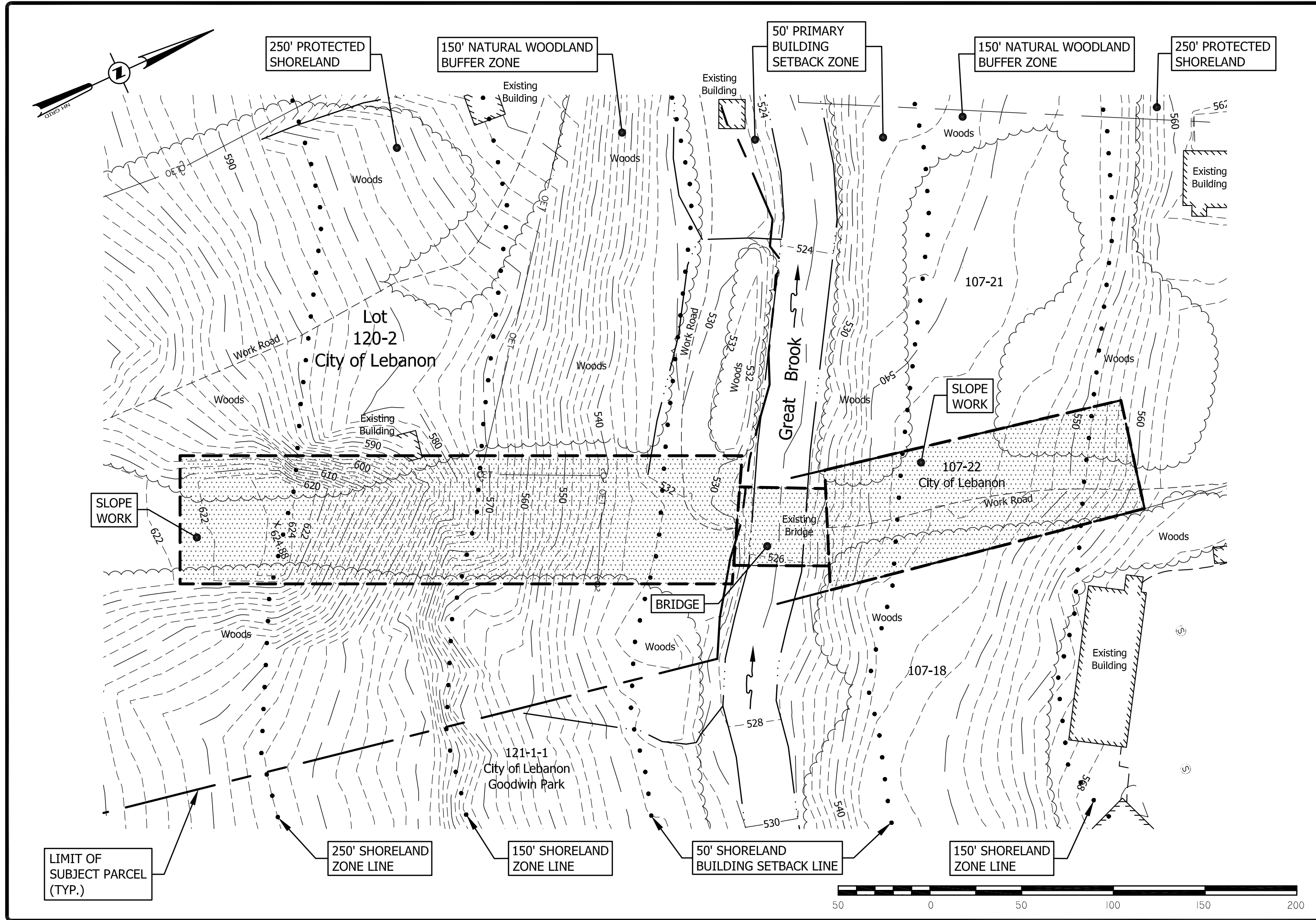
105 BANK STREET - PO BOX 512
 LEBANON, NEW HAMPSHIRE 03766
 PHONE: (603) 448-6295
 E-MAIL: advancedgeomatics@comcast.net

OVERALL PLAN
 FOR
 STORRS HILL SKI JUMP
 IN
 LEBANON, NEW HAMPSHIRE

SURVEYED:	GIS
DESIGNED:	DAN
DRAWN:	KH
CHECKED:	DAN
DATE:	2/26/19
DWG:	18020\18020-PL

OA-1

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SL-1

SURVEYED:	GIS
DESIGNED:	DAN
DRAWN:	KH
CHECKED:	DAN
DATE:	2/26/19
DWG:	18020\18020-PL

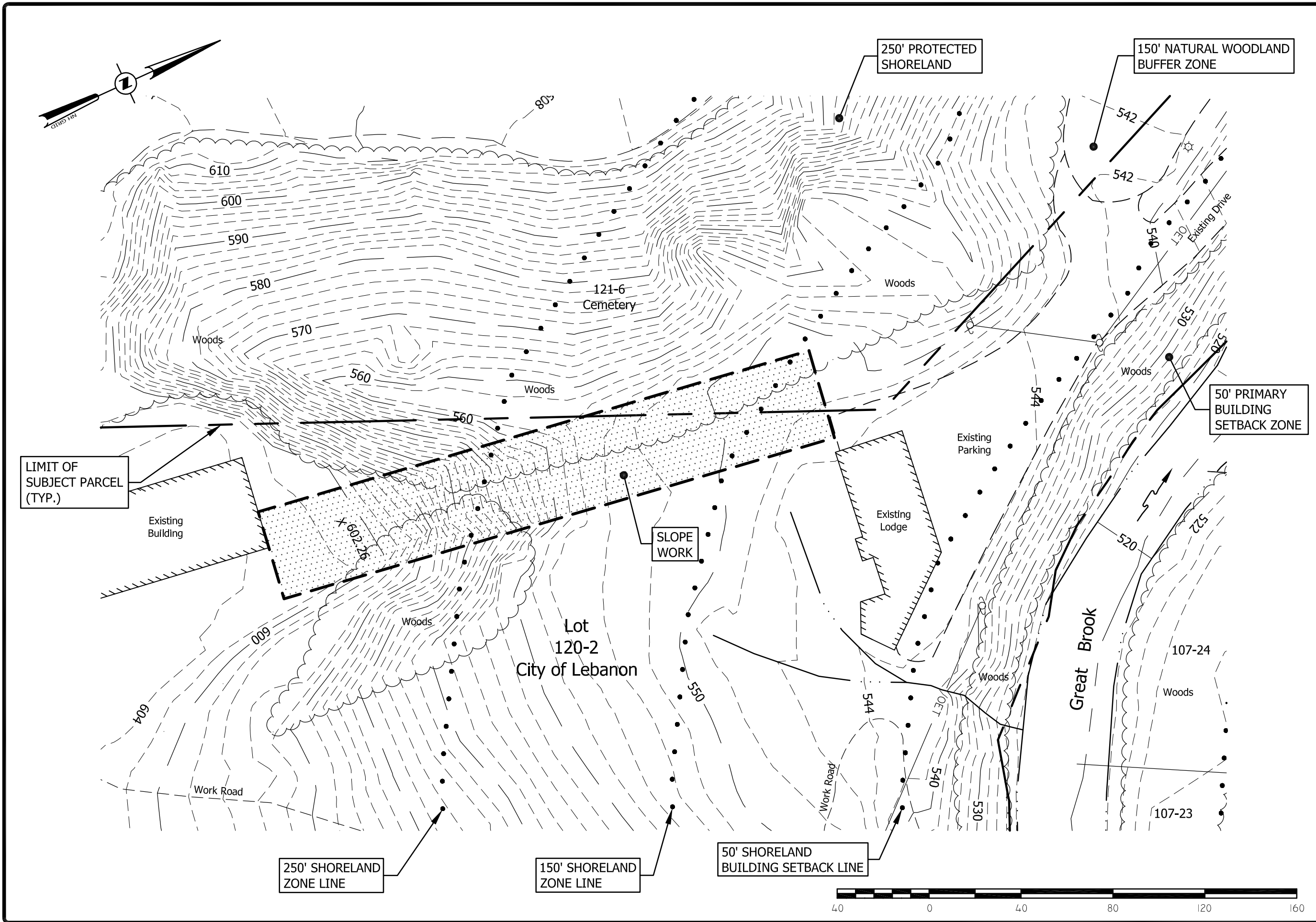
SHORELAND EXHIBIT
FOR
STORRS HILL SKI JUMP
IN
LEBANON, NEW HAMPSHIRE

ADVANCED GEOMATICS & DESIGN

105 BANK STREET - PO BOX 512
LEBANON, NEW HAMPSHIRE 03766

PHONE: (603) 448-6295
E-MAIL: advancedgeomatics@comcast.net

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SL-2

SURVEYED:	GIS
DESIGNED:	DAN
DRAWN:	KH
CHECKED:	DAN
DATE:	2/26/19
DWG:	18020\18020-PL

SHORELAND EXHIBIT
 FOR
 STORRS HILL SKI JUMP
 IN
 LEBANON, NEW HAMPSHIRE

ADVANCED GEOMATICS & DESIGN

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Construction Cost Estimate

Lebanon Outing Club

Proposed Upgrades and Reconstruction of K-25 Ski Jump

The following is a cost estimate for the proposed upgrades/reconstruction of the K-25 Ski Jump at Storrs Hill, Lebanon NH.

Scope of work includes, removal of existing jump inrun structure, stairs and judges stand. Reprofile the landing hill by changing grades to match modern profile. Build new inrun structure and enclosed accessory equipment and training room under jump. Construct new judges stand, stairs, safety boards, and distance markings. Associated lighting, PA system, safety and security features. Install metal ski jump tracks on Inrun and artificial plastic on plastic on landing hill to facilitate year-round ski jumping.

Soft costs

Engineering, including civil design	\$	8,000
Profile design planning	\$	3,500
Structural Engineering for inrun structure	\$	5,500
Permits	\$	2,500
Temporary site fencing etc	\$	2,500
Erosion Control	\$	3,000
Site Supervision/Construction Mgmt	\$	15,000
Demolition of existing wooden inrun structure	\$	10,000
Demolition of stairs and judges stand, incl disp	\$	8,500
Regrading landing profile and outrun	\$	25,000
Construction of New Inrun structure		
Excavation for Inrun structure	\$	10,000
Concrete foundation and post pads	\$	15,000
Materials	\$	61,000
Labor	\$	35,000
Crane	\$	5,000
Stagging rental	\$	2,500
Electrial: lighting etc	\$	7,500
PA System	\$	2,500
Build Judges Stand to modern standards	\$	15,000
Stairs	\$	6,500
Safety Boards on landing hill	\$	8,500
Signage	\$	1,000
Loam and Seeding disturbed areas	\$	3,500
2022 Contingency	8%	\$ 20,000
Subtotal		\$ 276,500

Accessory Equipment/Training room under Inrun

Excavation	\$	3,500
Foundation	\$	3,000
Framing		
Materials	\$	6,000
Labor	\$	5,000

Roofing	\$	2,500
Windows/Ext Doors	\$	4,000
Siding, Exterior Trim	\$	3,500
Electrical	\$	3,500
Heating (electric)	\$	5,000
Insulation	\$	2,500
Interior finish	\$	3,500
2022 Contingency	8% \$	3,300
Subtotal	\$	45,300

Add Plastic for 4 season ski jumping

Install metal tracks in Inrun (M+L)	\$	12,000
Purchase plastic for landing hill	\$	45,000
Install Plastic on landing hill	\$	25,000
Subtotal	\$	82,000

Total **\$403,800**