



**STORRS HILL FACILITY PLANNING ADVISORY  
COMMITTEE  
JULY 9, 2024 - 6:00 PM  
STORRS HILL SKI LODGE  
60 SPRING STREET, LEBANON**

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- 1. Call to Order**
- 2. Approval of Minutes**
  - A. *June 25, 2024 Meeting Minutes*
- 3. Old Business**
  - A. 25m Jump Replacement
- 4. New Business**
  - A. Learn to Ski Area / Tubing
- 5. Other Business**
- 6. Future Agenda Items**
- 7. Next Meeting Date**
  - A. Tuesday, July 23, 2024. Storrs Hill Ski Area 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](https://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 25, 2024  
Storrs Hill Ski Area Lodge & LebanonNH.gov/Live  
6:00PM**

**MEMBERS PRESENT: (8/8)**

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

**Lauren Cockerill (Alternate)**

**MEMBERS ABSENT: (0/7)**

Jennifer

**STAFF PRESENT: (2)**

**Paul Coats (Recreation Arts & Parks Director)**

**Guests:**

**Kricket McCuster, Erling Heisted**

---

1  
2 **1. CALL TO ORDER**

3  
4 Paul Coats called the meeting to order at 6:05 pm.

5  
6 **2. APPROVAL OF MINUTES**

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

9  
10 **3. NEW BUSINESS**

11  
12 **A. 50m jump analysis – Kricket McCuster presenting**

13  
14 Kricket began with sharing the importance of the K50, as witnessed by the NE Ski Jumping community,  
15 and followed up with several letters of support. Those who have learned about the uncertain future of the  
16 K50 have offered their support for the cause of making sure the K50 exists well into the future.

17  
18 Cory asked to clarify that the Loc has made no indication that the LOC won't continue to invest in the  
19 upkeep of the 50. Paul and Kricket confirmed that no, the Loc has not sent contrary messages, but the  
20 committee and community as a whole need to know what the long term maintenance/replacement plan  
21 needs to be as they consider a facility plan.

22  
23 The jump structure is 70 years old. At least needs to be repainted, every 25 years. Needs it now. 2<sup>nd</sup>  
24 component is the wood, from the 90s. PT can last about 20-30 years..

25 Painting cost: Hard to access is the cost driver. Industrial/Commercial painter. Is it lead paint (yes). Tops  
26 at \$400k (if highest level of lead abatement). If lower abatement needs (power wash), \$100k.

27 PT wood: \$100k give or take. Buys several years, but corrosion and feet are a problem on back tower.  
28

1 Replacement is likely \$400-600 with 100 year lifespan (if maintained well). Need design/build bids to  
2 know. Looking at other replacement projects around the country. We do have metal inrun tracks which is  
3 a huge asset.

4 Outrun needs: Summer jumping surface is an option to consider, with plastic and associated decking.  
5

6 Eastern Ski jumping community is committed to helping, even with fundraising.  
7

8 Lauren: What is annual maintenance cost?

9 Cory: some builders have offered to rehabilitate for \$50k over 2 year time, one section at a time.  
10

11 Do we invest \$10k per year in bandaids in order to raise the \$500k for replacement? How many years of  
12 that do we get (no paint, etc) before we need to close the jump?

13 Dan M: What is the chance that jump needs to come down in 5 years, like what happened to 25? Feels ok  
14 about 2-5 years, but likely not 10. No guarantees.  
15

16 Cory: if we paint and piecemeal wood, how long do we get? 25 years. But then the steel is 100 years old  
17 and really needs replacement.  
18

19 Brett: What is demolition cost? Unknown  
20

21 Cory: Think we could get the painting done for far cheaper.  
22  
23

24 25m jump discussion tabled  
25

#### 26 **4. OTHER BUSINESS**

27 Future needs: include 25m, site of, lift, snowmaking, lights, alpine, lodge, parking

28 Trent: want list of facilities to consider.  
29

30 Next meeting, Tuesday July 9. 6:00 pm Storrs Hill Ski Lodge  
31  
32

#### 33 **6. ADJOURNMENT**

34  
35 *Paul Coats adjourned the meeting at 7:40 pm.*  
36

37 Respectfully submitted,  
38 Paul Coats

STORRS HILL

K-25 SKID JUMP

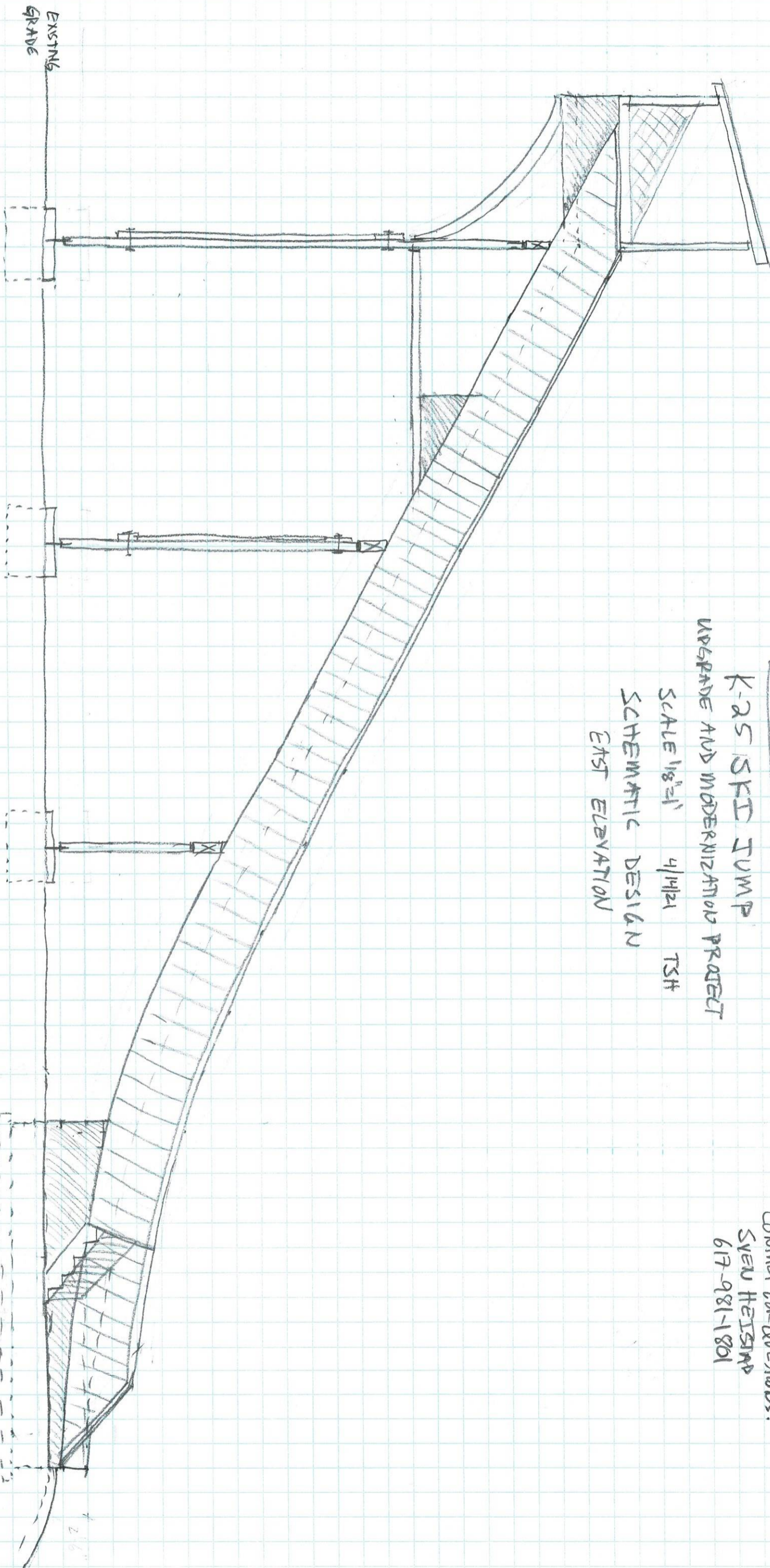
UPGRADE AND MODERNIZATION PROJECT

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

SCHEMATIC DESIGN

EAST ELEVATION

CONTACT FOR QUESTIONS:  
SYDNEY HEISNAP  
617-981-1801



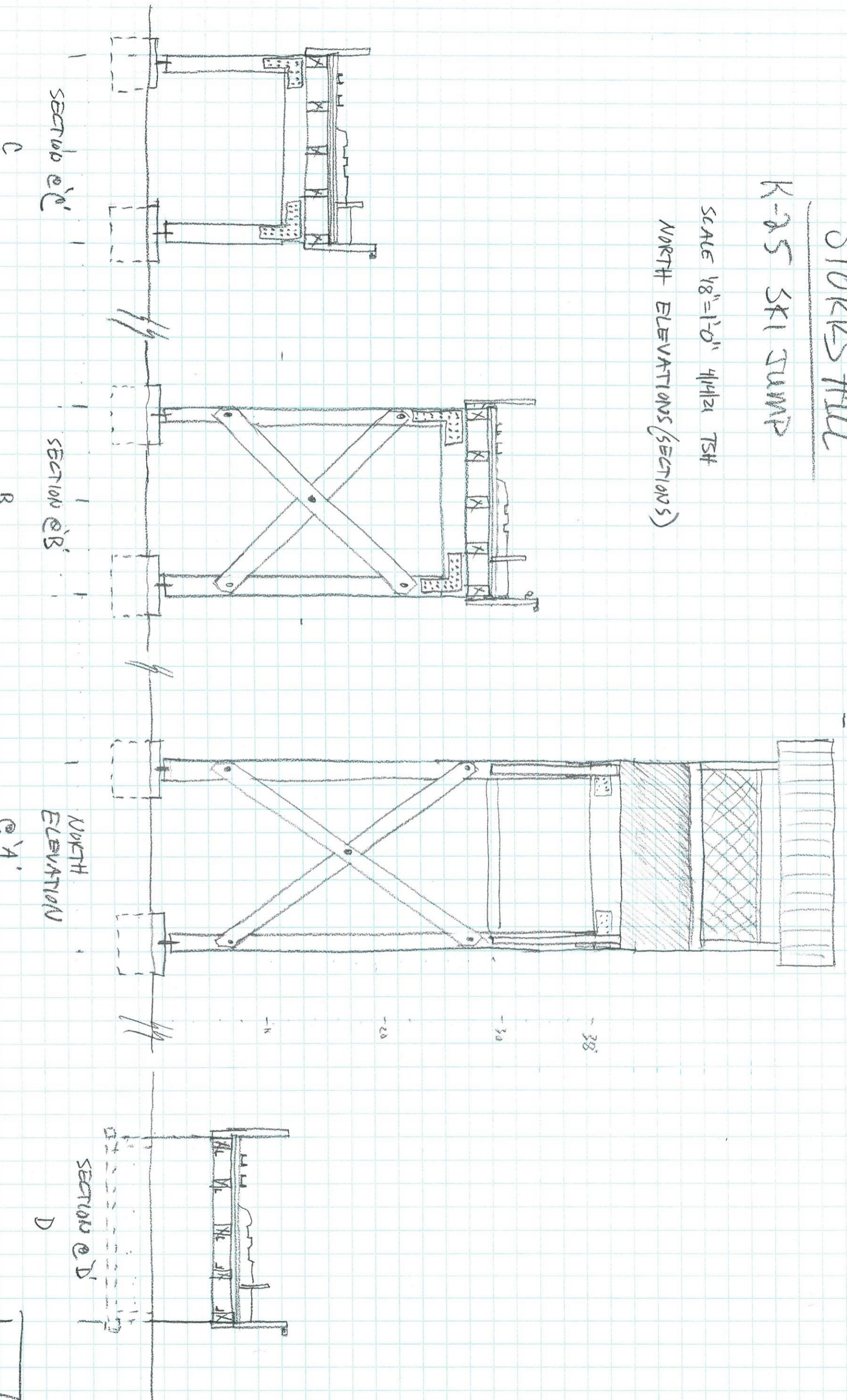
SHEET 1

# STORRS HILL

## K-25 SKI JUMP

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

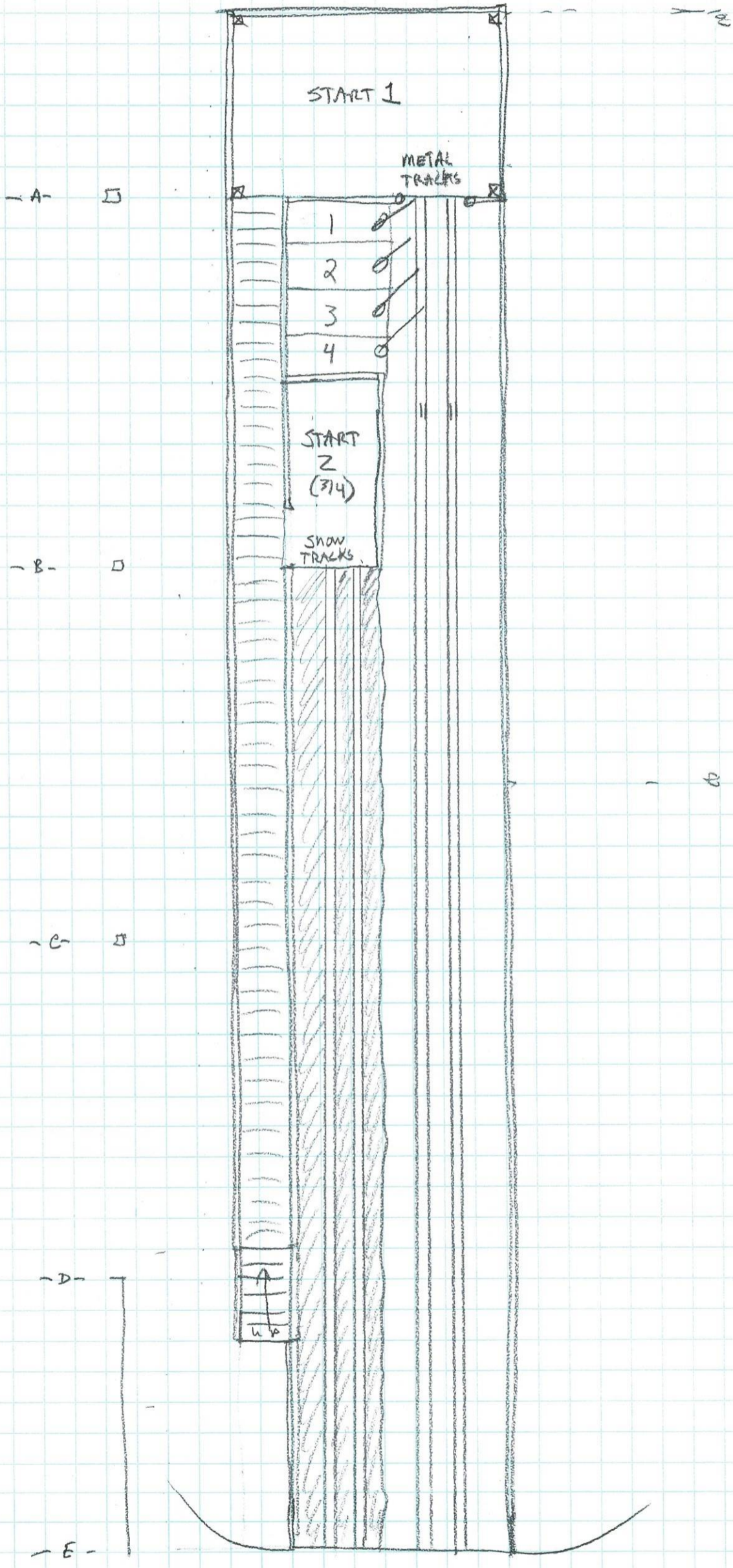
NORTH ELEVATIONS (SECTIONS)



SHEET

2

STORRS HILL  
K-25 SEI JUMP



SHEET [ 3 ]

STORRS HILL

K-25 SKI JUMP

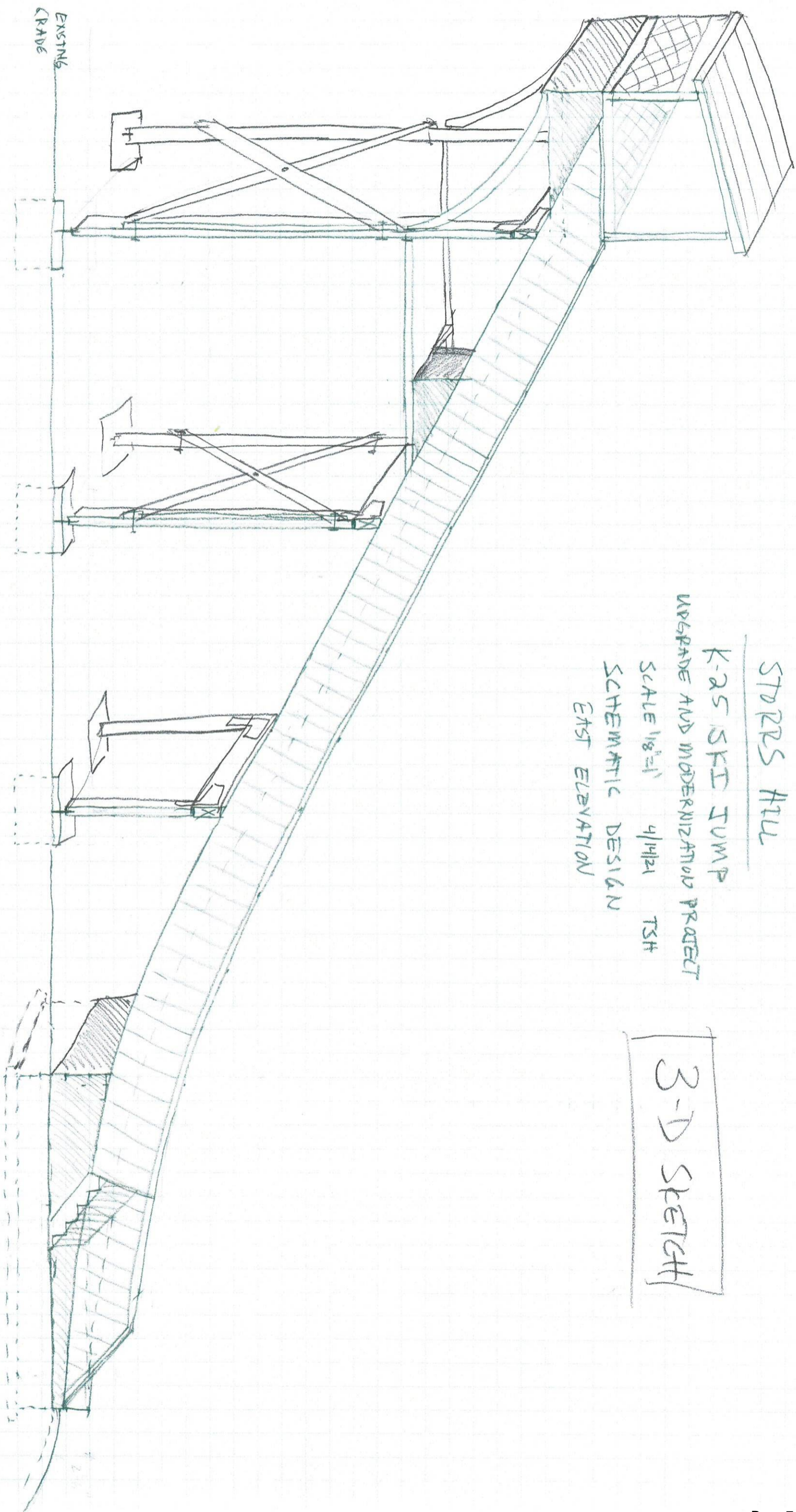
UPGRADE AND MODERNIZATION PROJECT

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

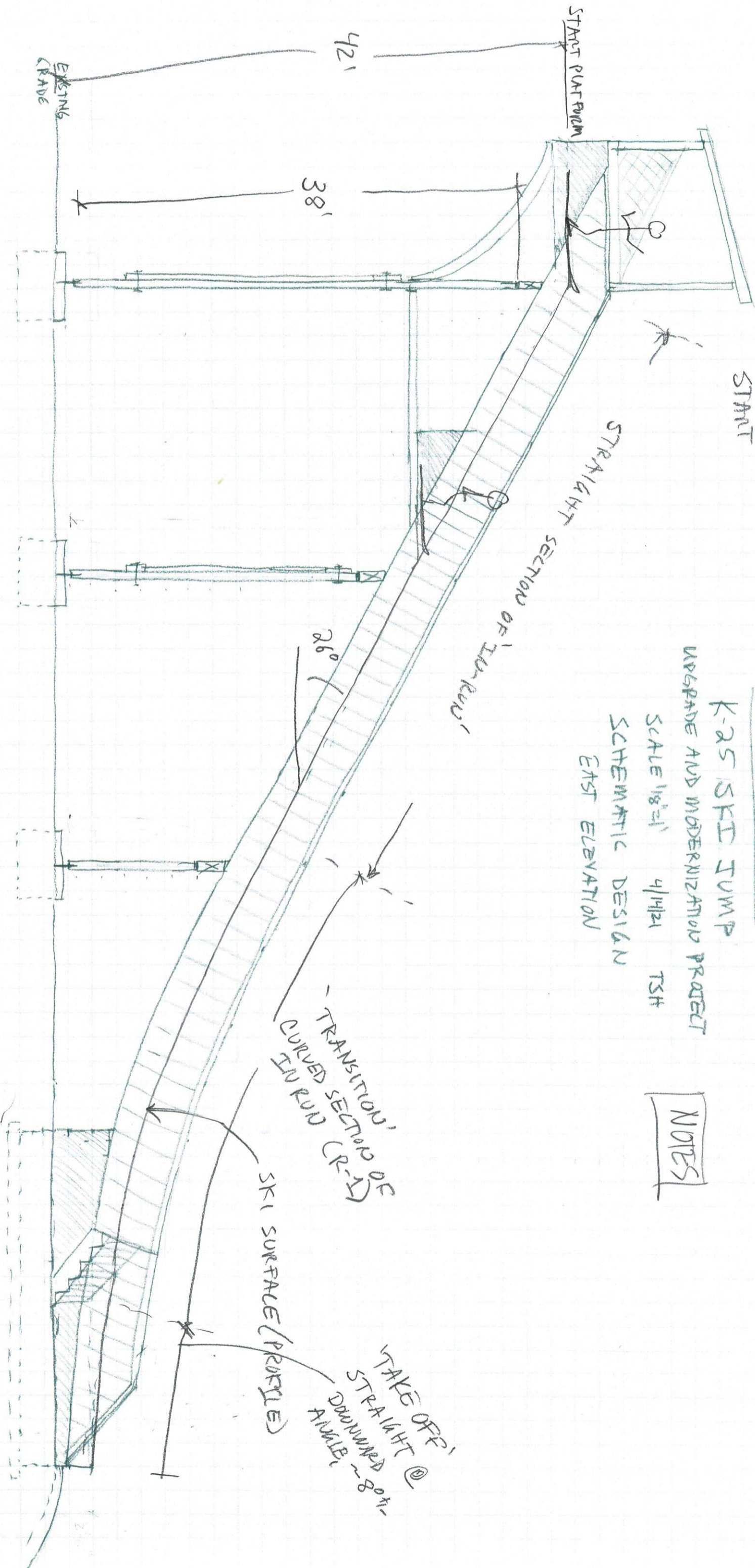
UPGRADE AND MODERNIZATION PROJECT

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

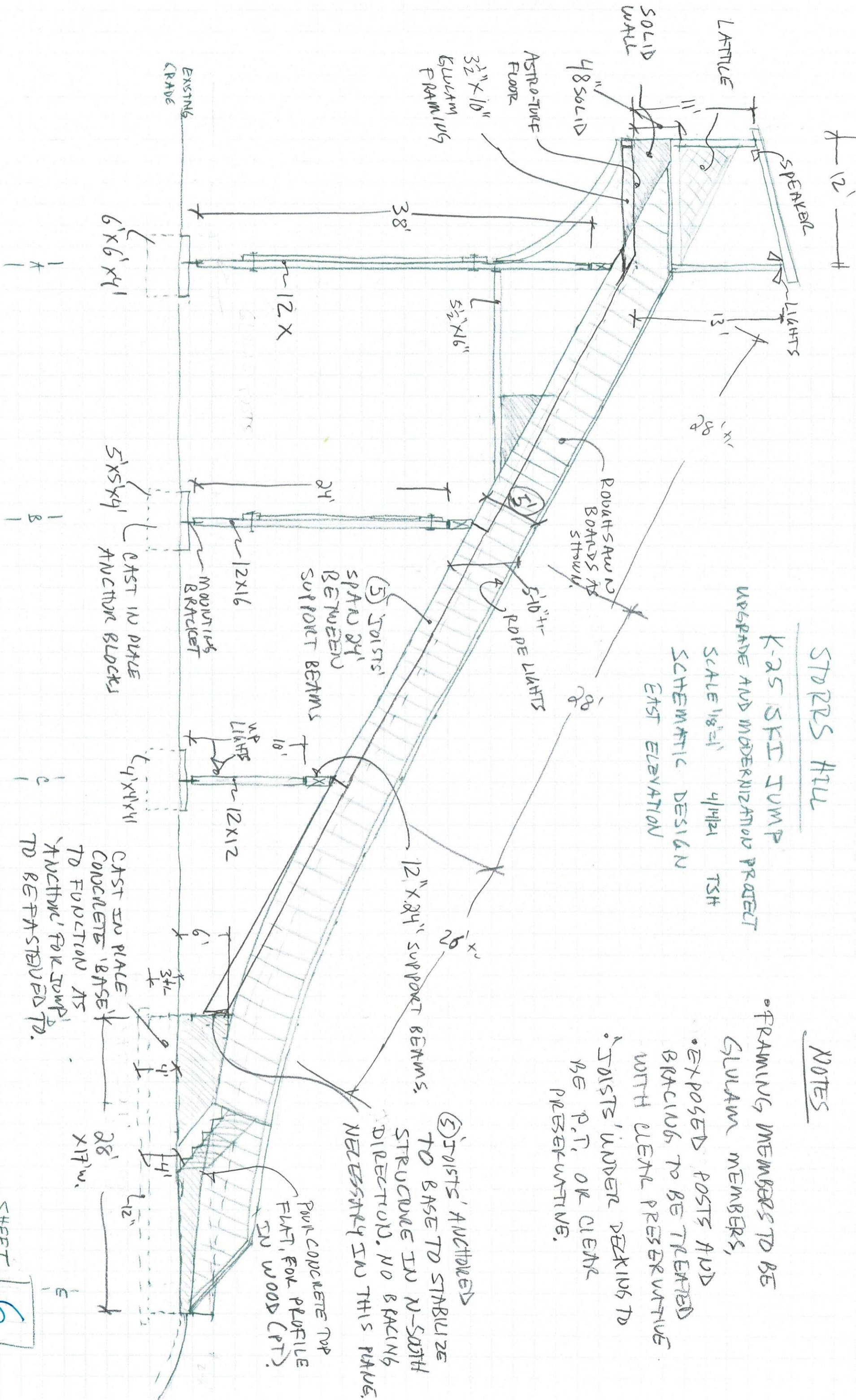
- FRAMING MEMBERS TO BE GLULAM MEMBERS,
- EXPOSED POSTS AND BRACINGS TO BE TREATED WITH CLEAR PRESERVATIVE
- JOISTS UNDER DECKING TO BE P.T. OR CLEAR PRESERVATIVE.

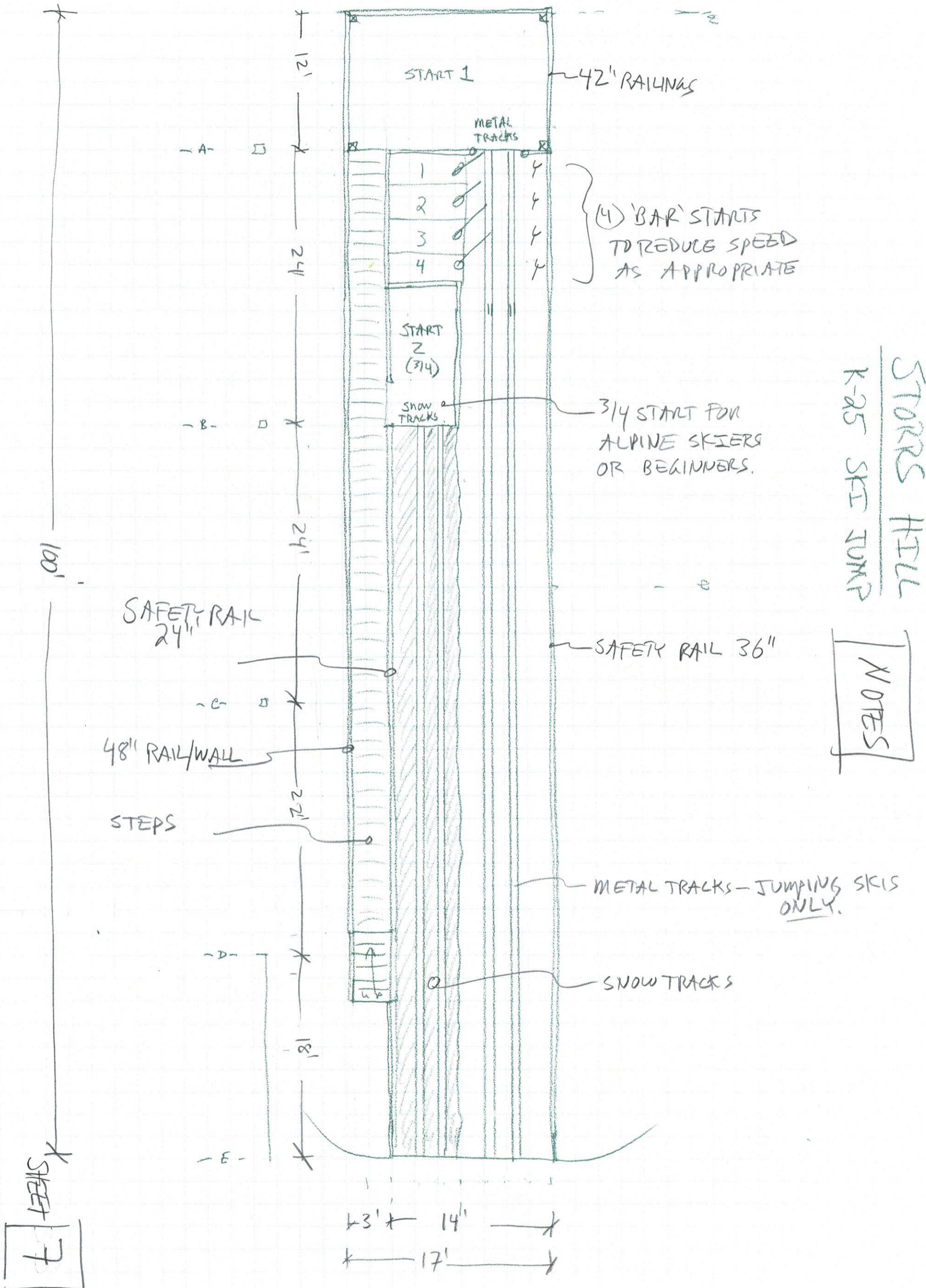
JOISTS' ANCHORED TO BASE TO STABILIZE STRUCTURE IN N-SOUTH DIRECTION. NO BRACING NECESSARY IN THIS PLANE.

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

28' X 17' W.

SHEET 6





STORRS HILL  
K-25 SKI JUMP

NOTES

SHEET  
7

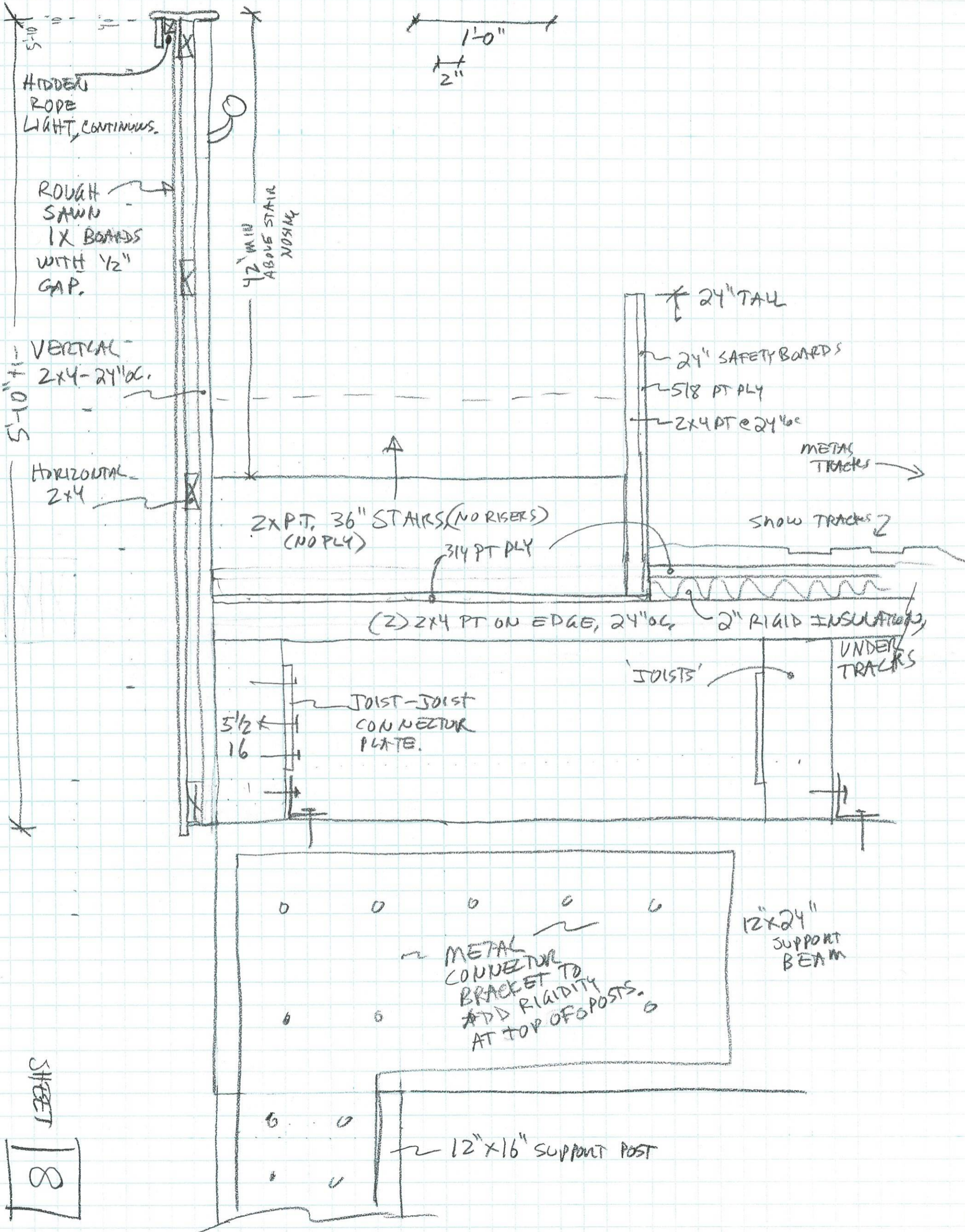
# STORRS HILL

## 25K SKI JUMP

9/14/21 TSH

### DECK SECTION

SCALE 1/2" = 1'-0"



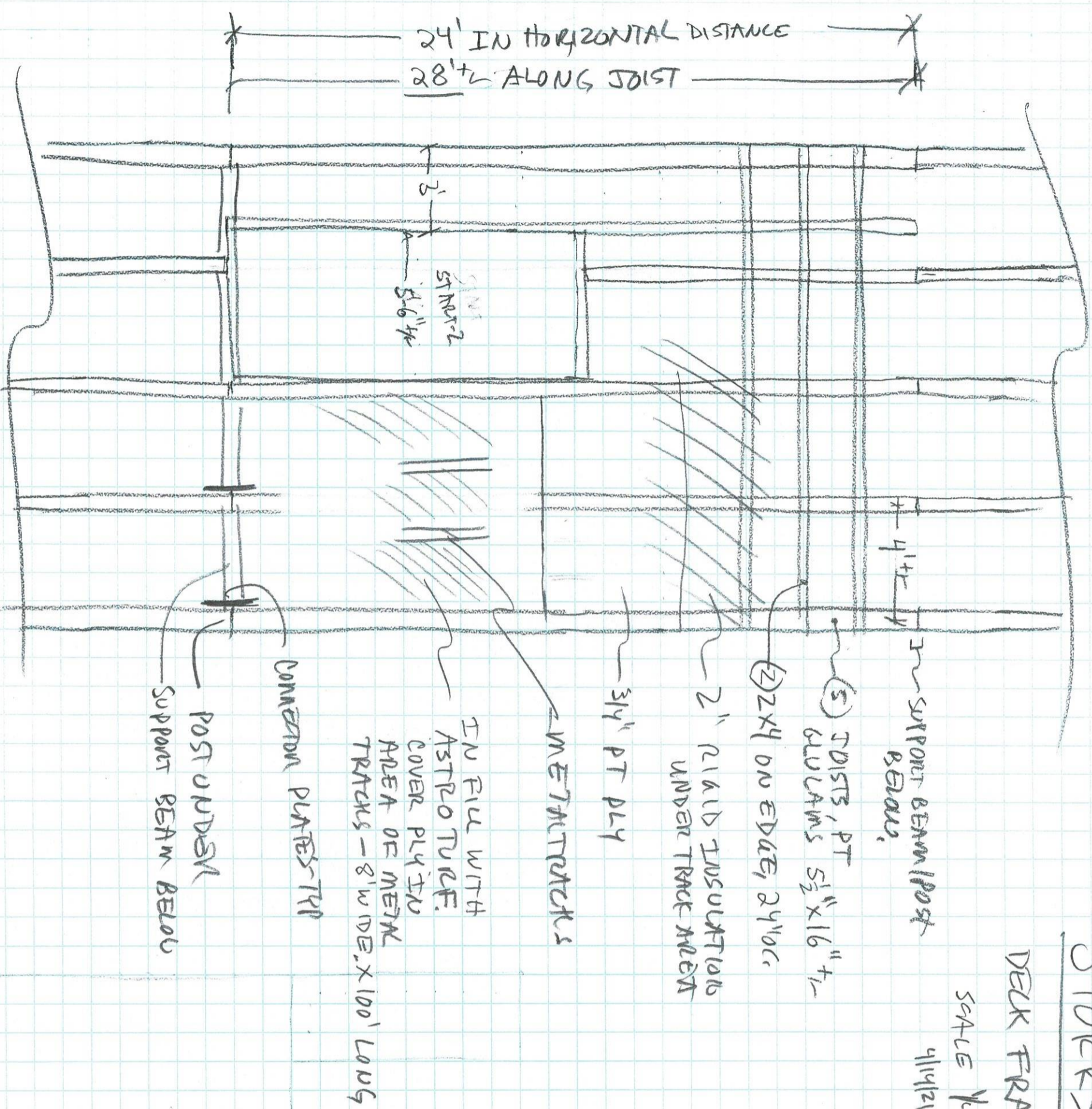
SHEET

8

# STORRS HILL

## DECK FRAMING

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



24' support

SHEET 9

# STORERS HILL

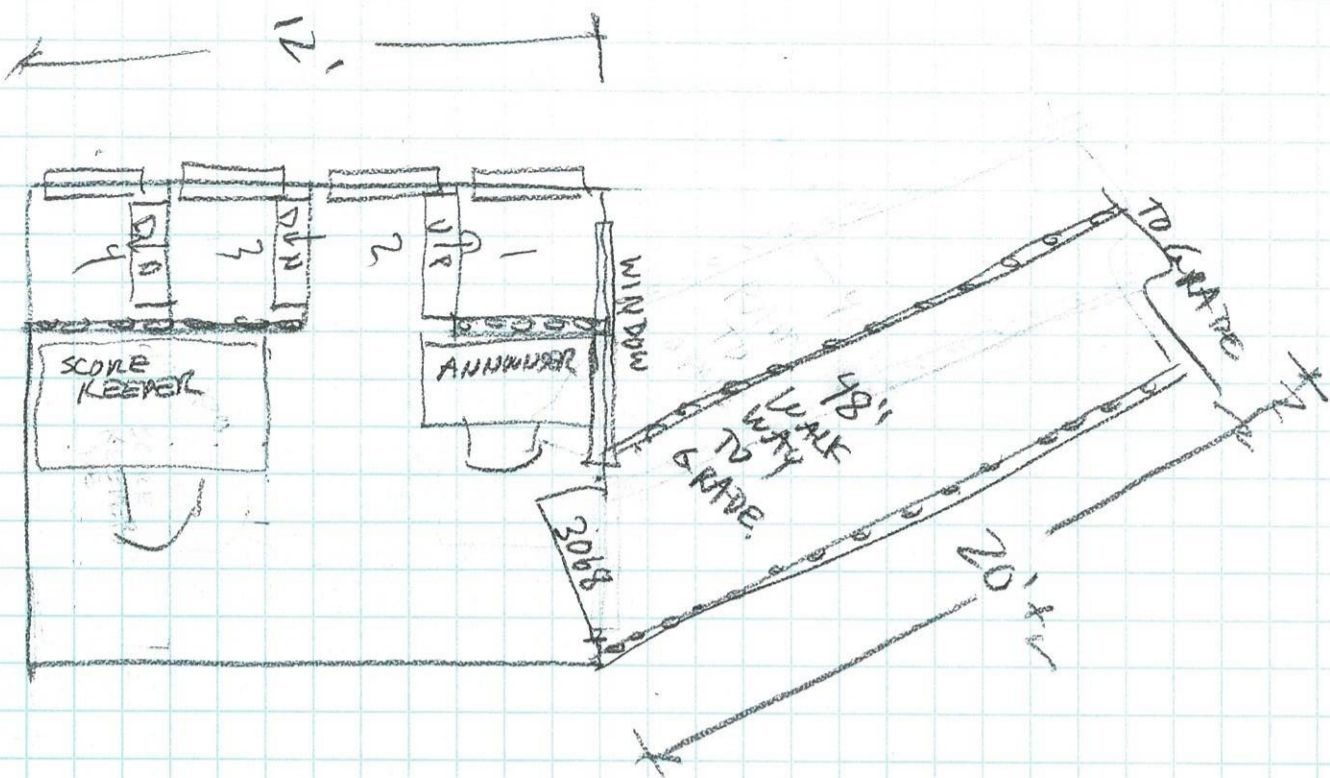
K-2S SKI JUMP

NEW JUDGES STAND

SCALE 1/4" = 1'-0"

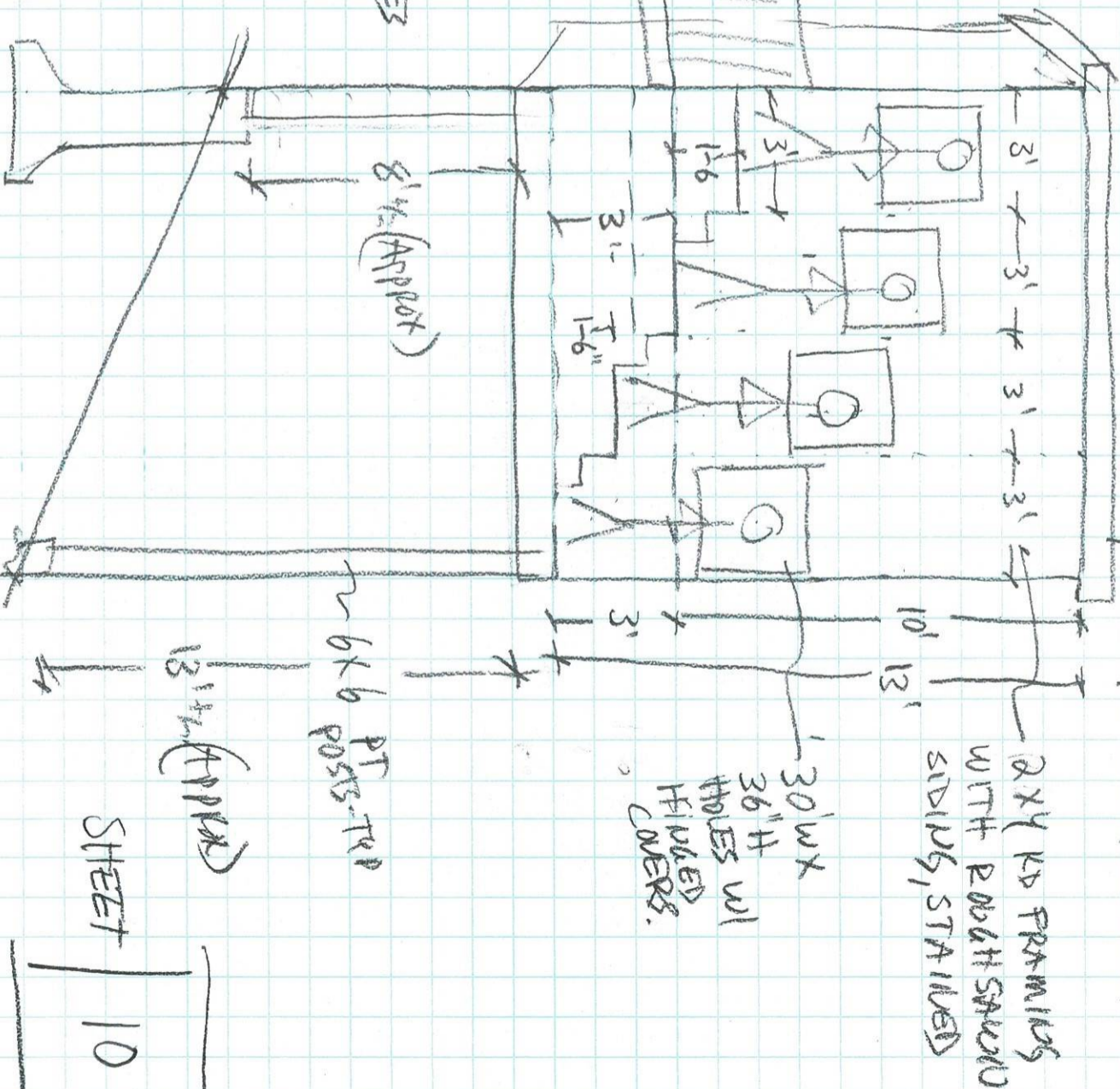
1/16" = 1/8"

- 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, STRIBES.

2X4 KD FRAMING  
WITH ROUGH SAUND  
SIDING, STAINED

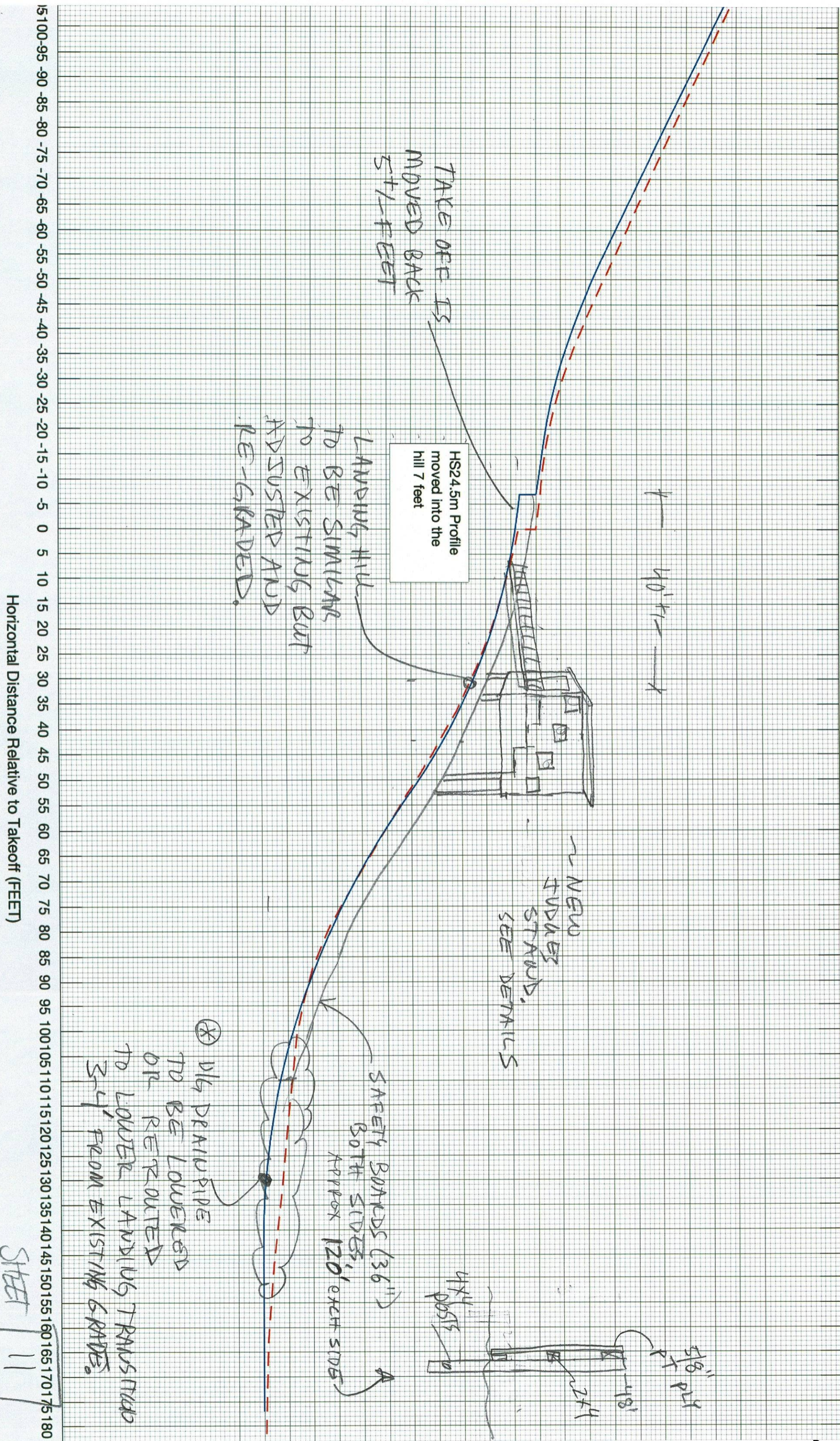
30' W x  
36" H  
HOLES W/  
FINISHED  
COVERS.

6x6 PT  
POSTS-TYP

13 1/2" (APPROX)

SHEET

10



TAKE OFF IS  
MOVED BACK  
5+ FEET

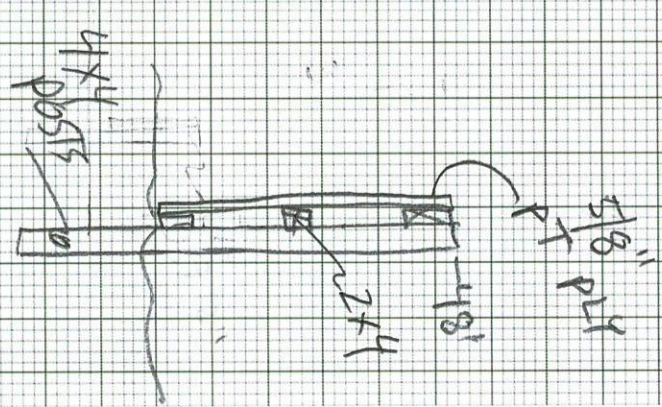
HS24.5m Profile  
moved into the  
hill 7 feet

LANDING HILL  
TO BE SIMILAR  
TO EXISTING BUT  
ADJUSTED AND  
RE-GRADED.

~ NEW  
STUDIES  
STRAWB.  
SEE DETAILS

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

⊗ 1/4" 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

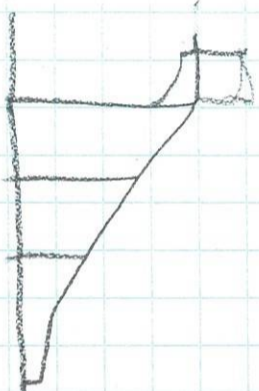
5100-95 -90 -85 -80 -75 -70 -65 -60 -55 -50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

# STAIRS HILL

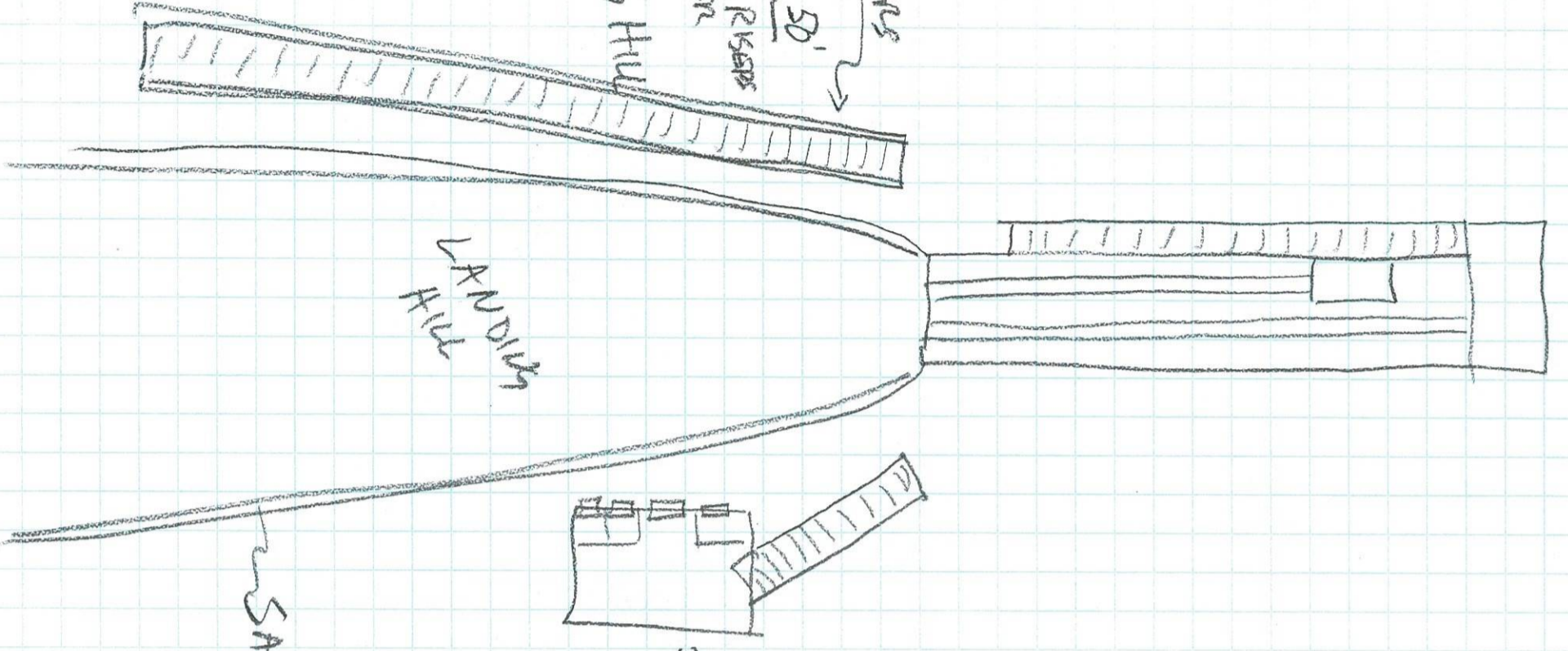
LANDING HILL / OUTRUN

NOT TO SCALE

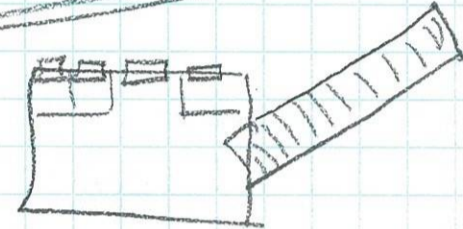
4/14/21 TSH



NEW  
P.T. STAIRS  
APPROX  
TOTAL RISE 50'  
APPROX 80 RISERS  
MAX 8" RISER  
(VARIES)  
• LANDING HILL



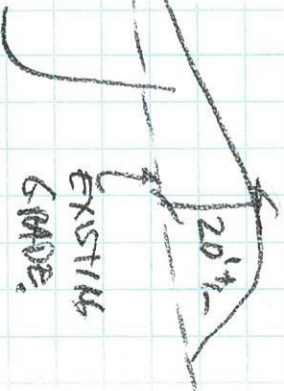
LANDING  
PIT



NEW  
STUDIES  
STAND  
& SEE  
DETAILS

SAFETY BORDERS  
36" BOTH SIDES  
TO TRANSITION

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



EXISTING  
GRADE

SHEET

12

STORRS HILL

K-25 SKI JUMP

UPGRADE AND MODERNIZATION PROJECT

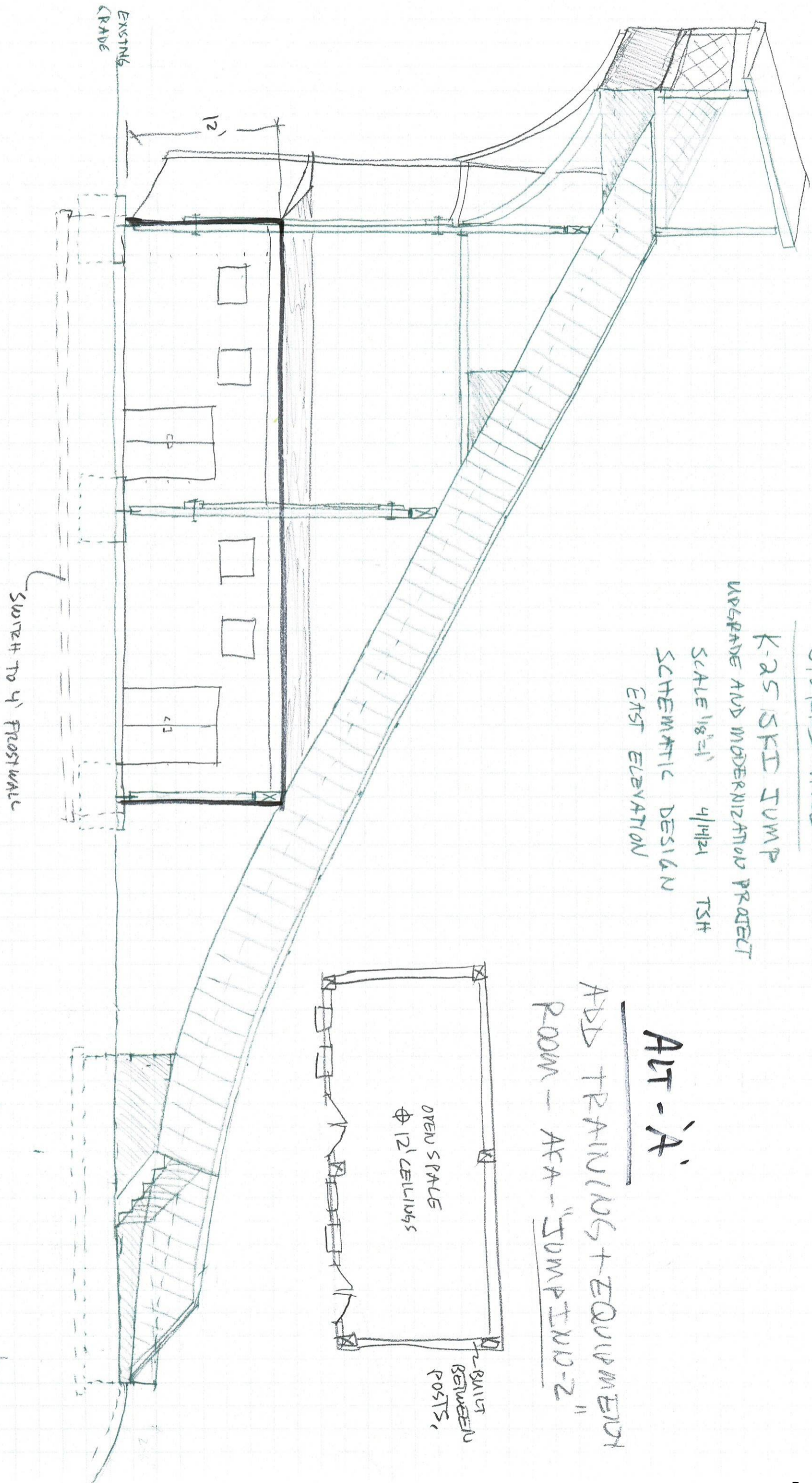
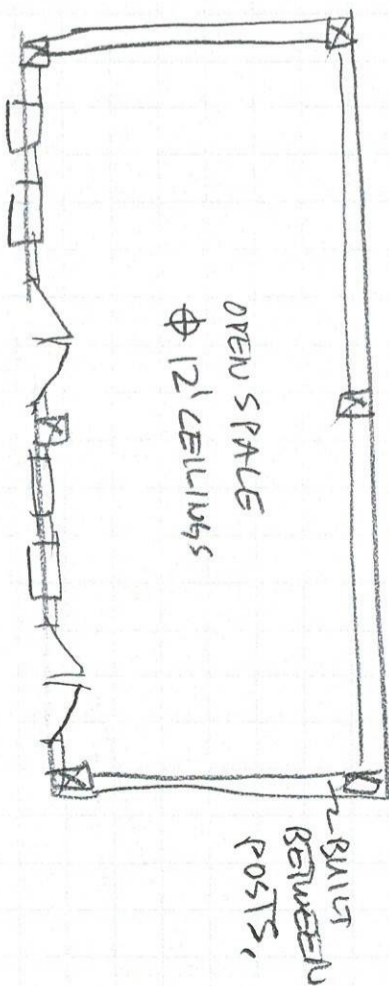
SCALE 1/8"=1' 4/14/21 TSH

SCHEMATIC DESIGN

EAST ELEVATION

ALT - 'A'

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



SWITCH TO 4' FROST WALL

1 A

1 B

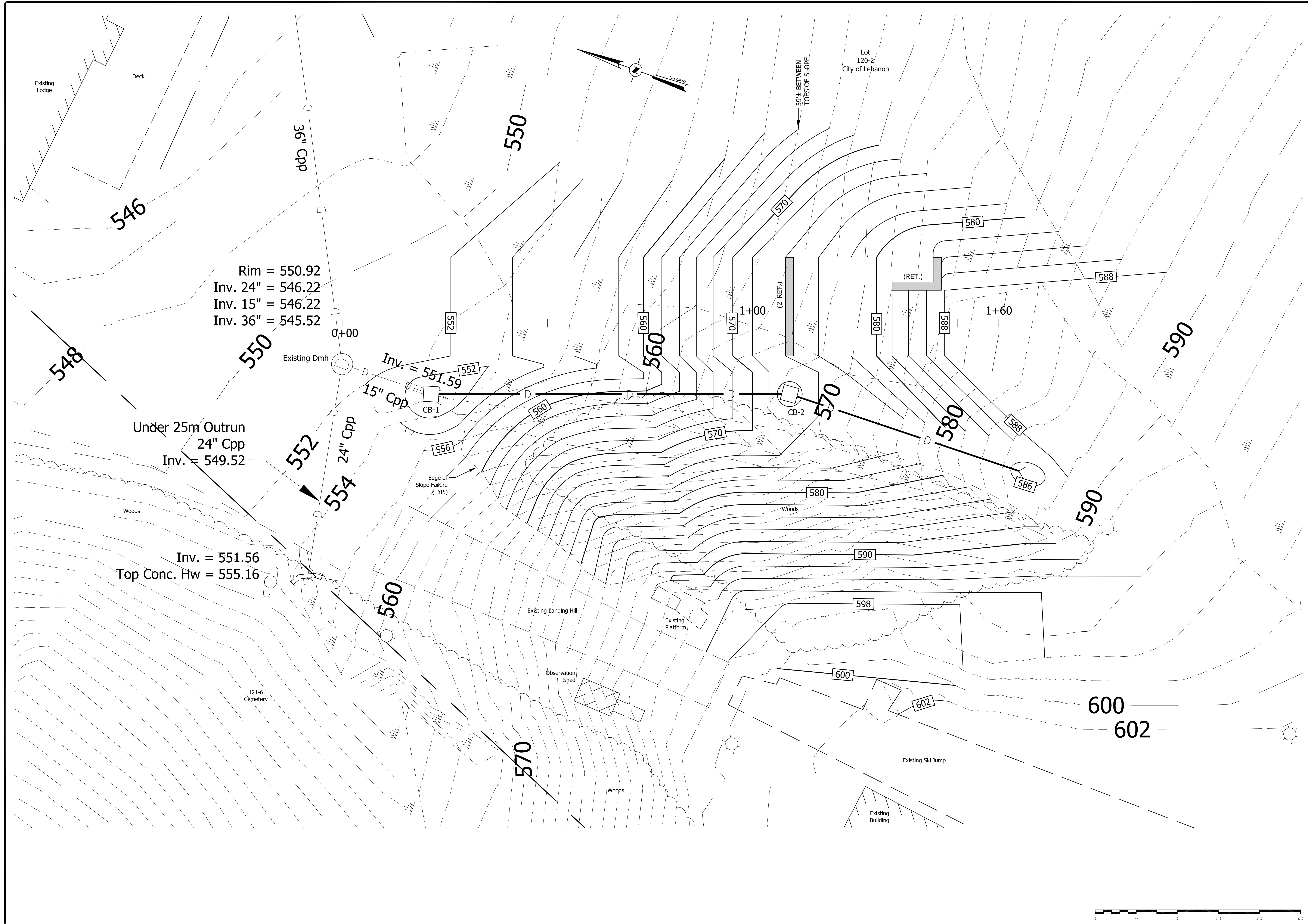
1 C

1 D

1 E

SHEET

13



#	REVISIONS	DATE

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

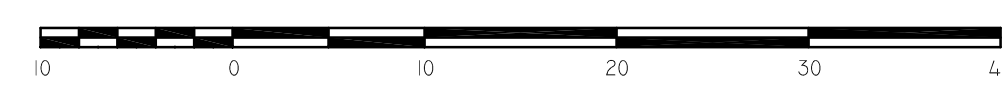
**ADVANCED GEOMATICS & DESIGN**  
105 BANK STREET - PO BOX 512  
LEBANON, NEW HAMPSHIRE 03766  
PHONE: (603) 448 6295  
E-MAIL: advancedgeomatrics@comcast.net

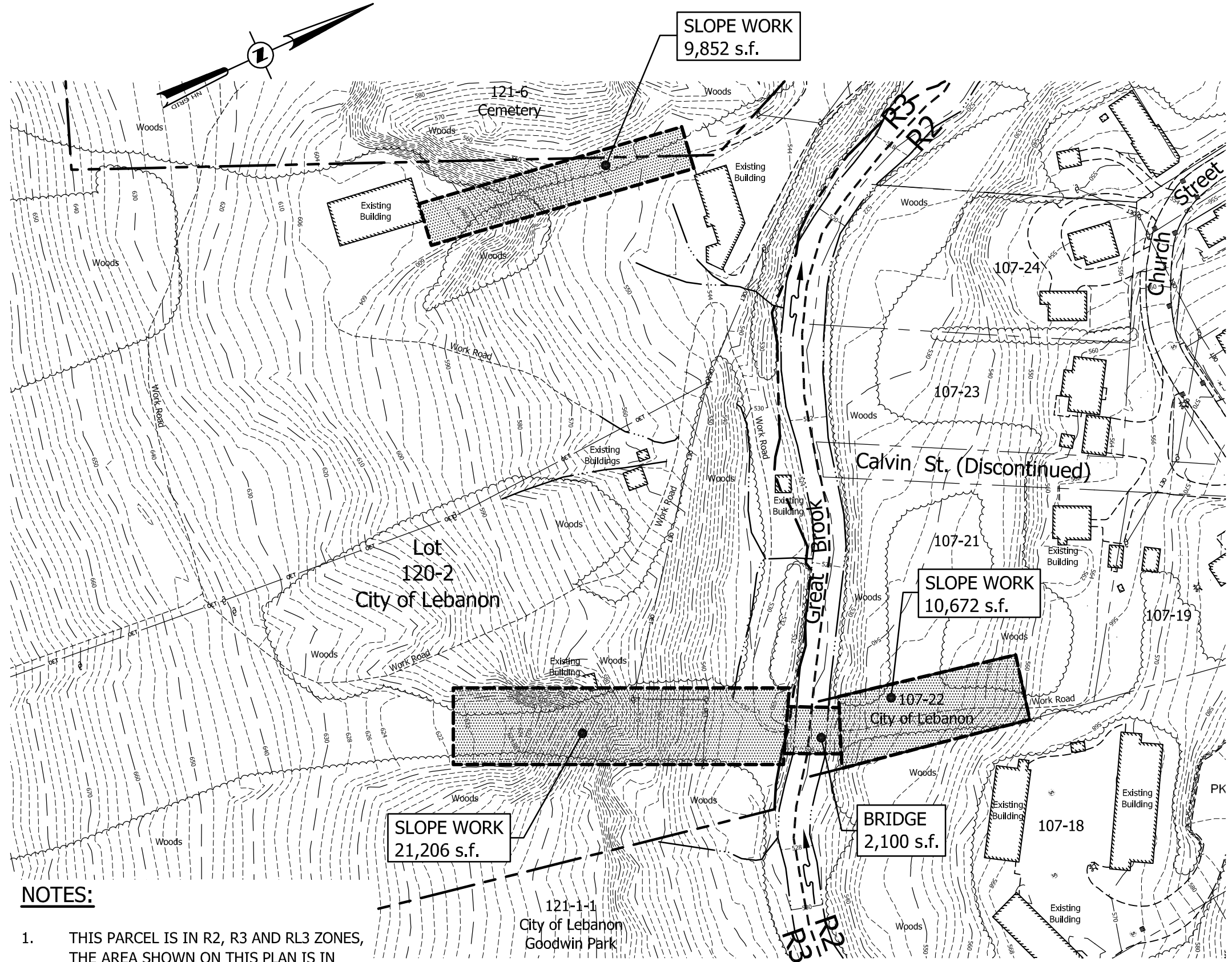
SURVEYED: PATON
DESIGNED: DAN
DRAWN: KH
CHECKED: DAN
DATE: 10/31/19

**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**

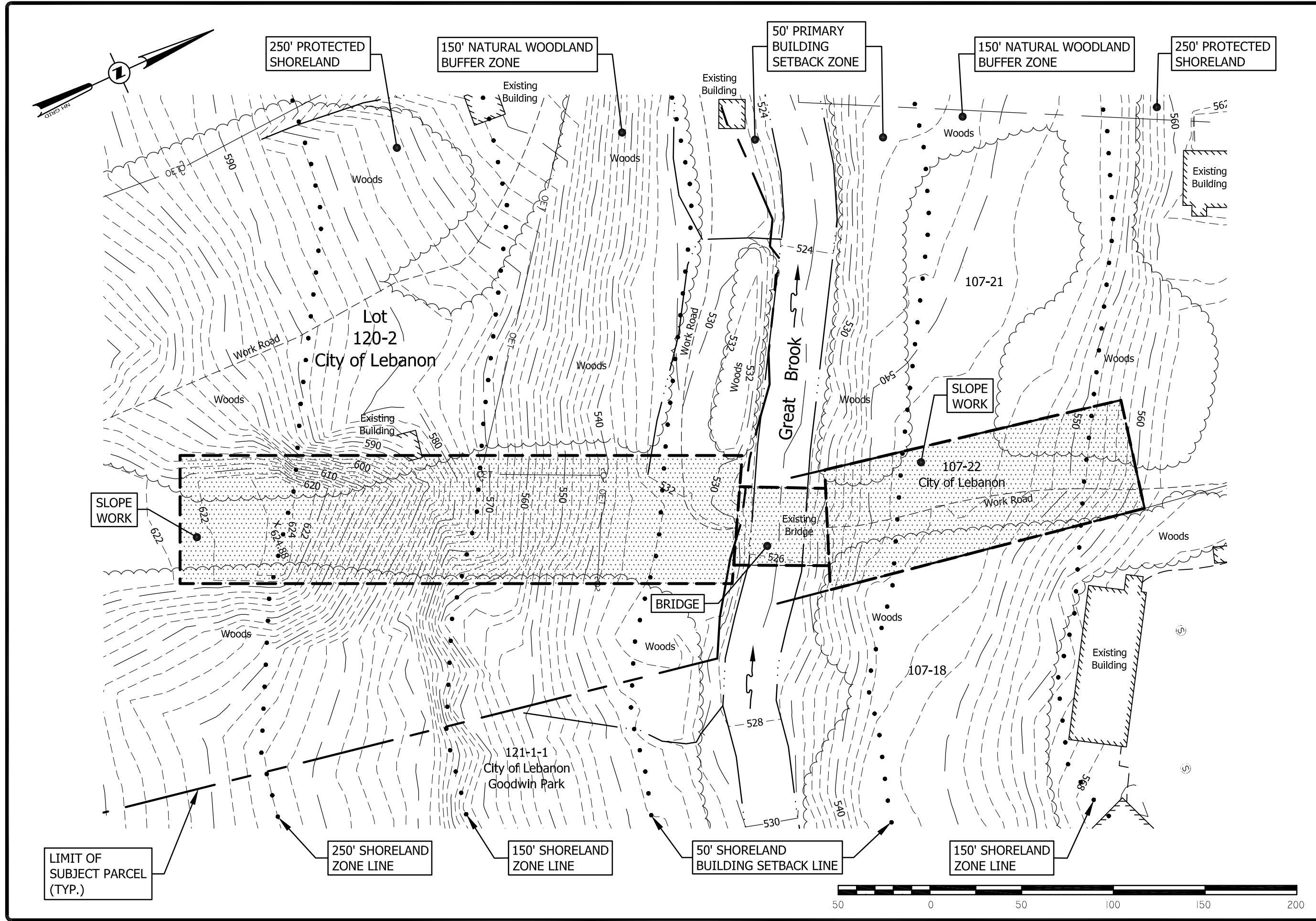
105 BANK STREET - PO BOX 512  
 LEBANON, NEW HAMPSHIRE 03766  
 PHONE: (603) 448-6295  
 E-MAIL: advancedgeomatics@comcast.net

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

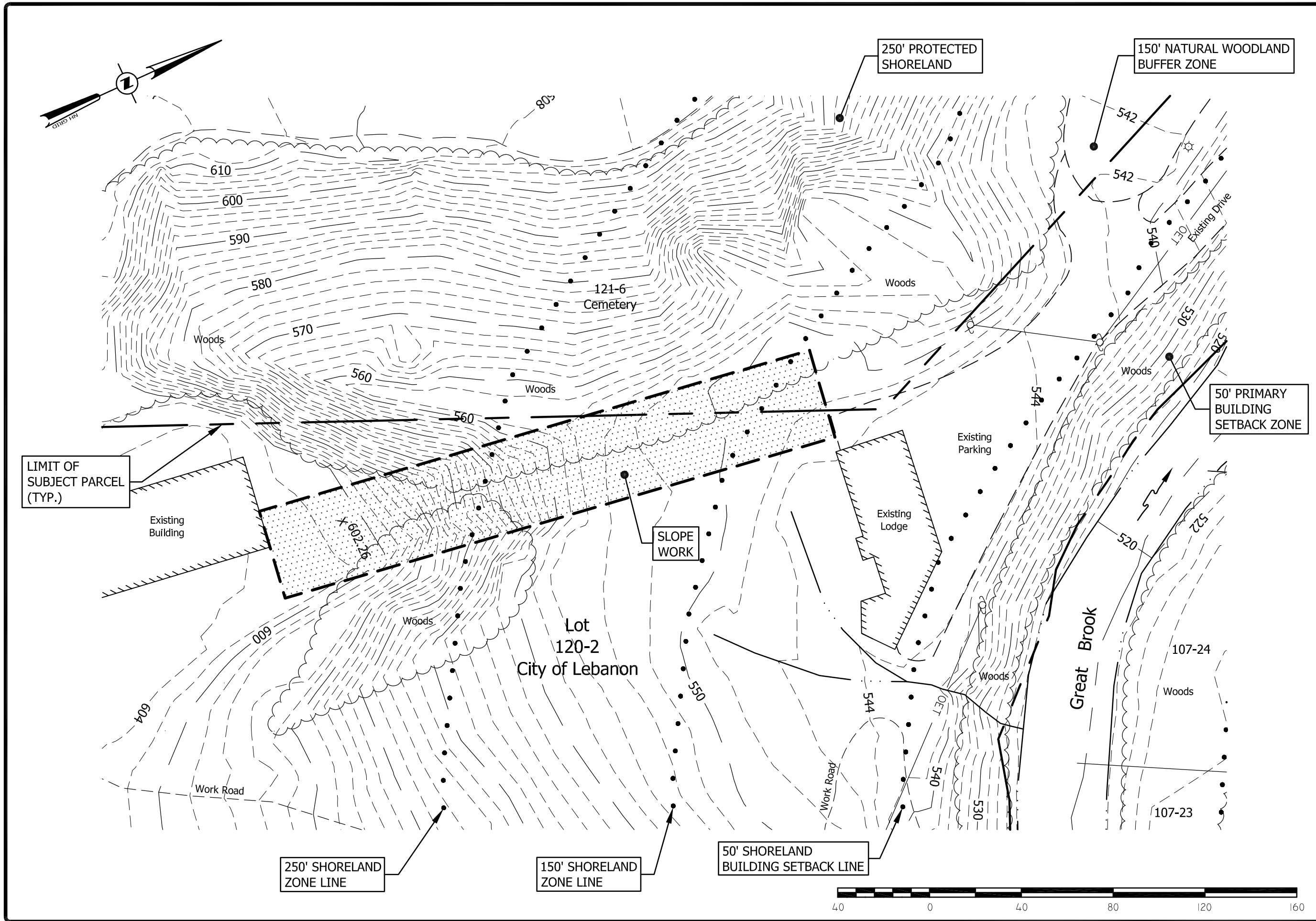
SHORELAND EXHIBIT  
 FOR  
 STORRS HILL SKI JUMP  
 IN  
 LEBANON, NEW HAMPSHIRE

**ADVANCED GEOMATICS & DESIGN**

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

PHONE: (603) 448-6295  
 E-MAIL: advancedgeomatrics@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**

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

## 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		<b>\$ 276,500</b>

#### Accessory Equipment/Training room under Inrun

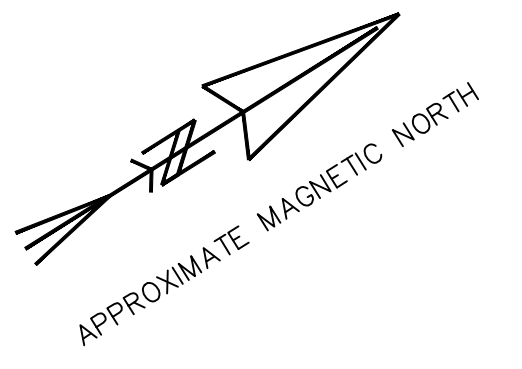
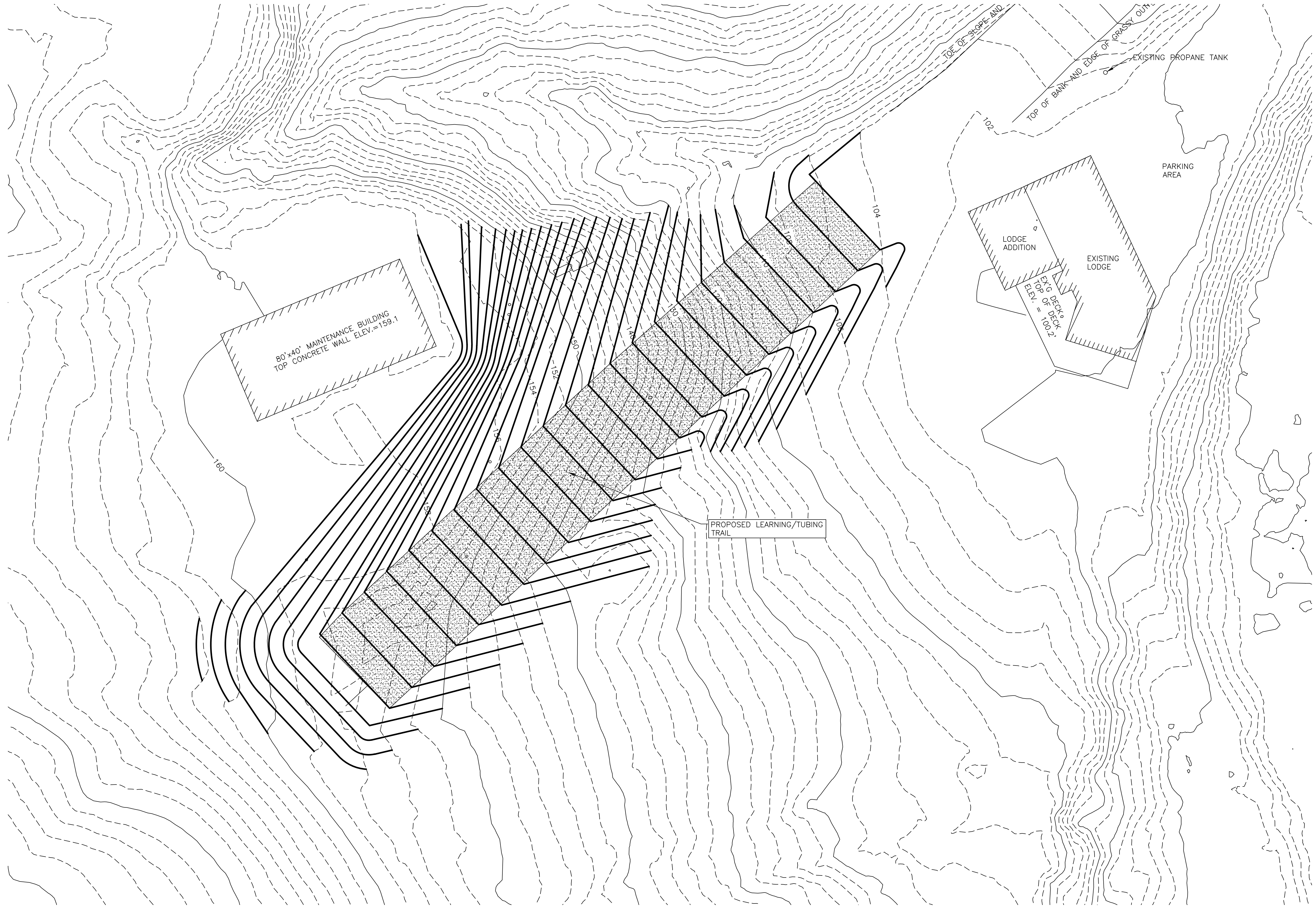
Excavation	\$	3,500
Foundation	\$	3,000
Framing		
Materials	\$	6,000
Labor	\$	5,000

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	\$	<b>45,300</b>

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	\$	<b>82,000</b>

Total **\$403,800**



T.R. FELLOWS  
NH  
VT  
ENGINEERING  
CIVIL & STRUCTURAL

974 BRACK STREET  
P.O. BOX 26  
ROCHESTER, VT 05767

TEL: 802.318.7863  
trf@trfellow.com

NO.	DATE	REVISION
1		

STORRS HILL SKI AREA  
LEBANON, NH

OWNER/CONTACT: STORRS HILL  
60 SPRING STREET  
LEBANON, NH 03766

SITE PLAN

DRAWN BY:  
C. TURGEON

CHECKED BY:

PROJECT:

DATE:  
06/06/2023

SHEET:  
1