

WEBVTT

1

00:00:20.010 --> 00:00:20.430

Brian: Can you hear me.

2

00:00:22.650 --> 00:00:23.310

Brian: Hey how's it going

3

00:00:25.440 --> 00:00:25.740

Guilford Host1: David

4

00:00:26.580 --> 00:00:27.870

Guilford Host1: Sherman was on

5

00:00:33.990 --> 00:00:36.240

Brian: HOW MANY OTHERS ARE WE WAITING FOR

6

00:00:37.290 --> 00:00:37.980

Guilford Host1: Seven or eight

7

00:00:38.610 --> 00:00:42.090

Brian: Okay, yeah, I know Bob bedding said he would be on from my company.

8

00:00:52.770 --> 00:00:54.390

Brian: That's why my video showing up.

9

00:01:52.830 --> 00:01:53.400

Bob Banning: Hey there, Brian.

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00:01:53.730 --> 00:01:54.060

Hey,

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00:01:55.230 --> 00:01:57.990

Brian: Yeah, you can see me to write it does not make sure that this stuff's working

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00:01:57.990 --> 00:02:02.280

Bob Banning: Here in Canada, my laptop is giving me trouble. I was trying to get in.

13

00:02:02.820 --> 00:02:04.380
Brian: You are pretty well. Let's see.

14
00:02:06.750 --> 00:02:10.890
Brian: Let's see the other folks on I think there are still coming on some of that mountain got video

15
00:02:13.500 --> 00:02:16.410
Guilford Host1: We got people rolling in church. That's cool.

16
00:02:52.290 --> 00:02:54.360
Guilford Host1: All that background noise. You may want to mute your phone.

17
00:02:54.600 --> 00:02:56.820
Brian: Okay, let's do that. Thank you.

18
00:03:15.630 --> 00:03:16.410
Bob Banning: Is the

19
00:03:17.760 --> 00:03:19.590
Guilford Host1: Surprise, are you

20
00:03:24.810 --> 00:03:25.230
Guilford Host1: Dead.

21
00:03:38.550 --> 00:03:40.590
Guilford Host1: We need a few more people to get on here.

22
00:03:47.250 --> 00:03:47.610
Bob Banning: Is the

23
00:03:52.620 --> 00:03:54.420
Bob Banning: Elevator discussion, the only

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00:03:55.680 --> 00:03:57.210
Bob Banning: The only topic for the day.

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00:03:57.420 --> 00:03:59.040
Guilford Host1: That's what I thought. Yeah, yeah.

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00:04:02.430 --> 00:04:04.770

Theodore Sands: That's the only thing on the agenda. Yeah.

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00:04:07.470 --> 00:04:12.420

Bob Banning: Appreciate you putting together the special meeting to cover this

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00:04:14.370 --> 00:04:16.950

Guilford Host1: thank the committee, you can't do it without them we need a quorum.

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00:04:21.840 --> 00:04:23.340

Bob Banning: How's Cliff rehab doing

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00:04:25.320 --> 00:04:27.840

Guilford Host1: The best I can tell. We've spoken last week and we

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00:04:29.700 --> 00:04:30.720

Guilford Host1: Seem to not miss a beat.

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00:04:32.280 --> 00:04:32.730

Excellent.

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00:04:34.050 --> 00:04:34.410

Guilford Host1: Michael

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00:04:37.140 --> 00:04:38.970

Theodore Sands: Is he gonna be on tonight, David.

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00:04:39.540 --> 00:04:40.770

Guilford Host1: I expect to. Yes. Yeah.

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00:04:41.190 --> 00:04:41.460

Yeah.

37

00:04:42.630 --> 00:04:44.310

Guilford Host1: For one that wanted this meeting, so

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00:04:46.980 --> 00:04:47.610

Theodore Sands: That's true.

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00:04:51.990 --> 00:04:53.250

Guilford Host1: We're looking at the top of your head.

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00:04:55.620 --> 00:04:57.930

Theodore Sands: You need it. All those are you gonna change your camera.

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00:04:58.710 --> 00:04:59.940

Theodore Sands: She always does that.

42

00:05:17.040 --> 00:05:18.120

Guilford Host1: Cliff is here.

43

00:05:20.430 --> 00:05:21.330

Guilford Host1: And log in and

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00:05:23.850 --> 00:05:26.790

terry buckley: David, what other Members who there. I only see you and we'll

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00:05:27.150 --> 00:05:29.580

Guilford Host1: Know, James and Dan Michael

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00:05:34.050 --> 00:05:39.030

Guilford Host1: If Hedberg, was not able to make it and I don't believe I heard from

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00:05:41.910 --> 00:05:42.330

Guilford Host1: Peter

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00:05:43.350 --> 00:05:45.270

Guilford Host1: For Adam, but we have a quorum.

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00:05:45.750 --> 00:05:46.110

Okay.

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00:05:47.340 --> 00:05:47.940

Guilford Host1: Good to go.

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00:05:51.060 --> 00:05:51.570

Guilford Host1: But for you.

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00:05:53.010 --> 00:05:53.580
Guilford Host1: Here with us.

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00:05:56.040 --> 00:05:59.520
Clifford: I am sorry I had to do an update for some reason with zoom

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00:06:00.300 --> 00:06:01.140
Guilford Host1: Okay. All right.

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00:06:02.550 --> 00:06:06.930
Guilford Host1: Well, we have a quorum. I don't know if anybody else from the outside is expected

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00:06:07.860 --> 00:06:12.510
Clifford: So we have Bob. As you can see, Brian and Bob, I saw her online.

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00:06:13.170 --> 00:06:13.860
So,

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00:06:15.150 --> 00:06:15.690
Clifford: Those are the

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00:06:16.170 --> 00:06:18.510
Guilford Host1: Adam Hoffman, I don't, I'm not sure.

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00:06:19.410 --> 00:06:23.550
Adam Hoffman: So I'm wondering why am I on this because I don't really know. Is it a mistake or

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00:06:23.910 --> 00:06:24.780
Guilford Host1: Or did I invite you

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00:06:25.110 --> 00:06:25.980
Adam Hoffman: Yes, you did.

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00:06:29.730 --> 00:06:33.810
Adam Hoffman: Elevators needs to go straight up and down. That's, I think, my professional opinion.

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00:06:35.610 --> 00:06:41.100

Guilford Host1: You know, I then I made an error and I clicked on Adam often instead of Adam from our committee.

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00:06:41.460 --> 00:06:41.730

Yeah.

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00:06:43.320 --> 00:06:43.800

Guilford Host1: Oh my god.

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00:06:45.030 --> 00:06:49.560

Clifford: Today, you might want to send them an invite. Because he might not be able to get on without it.

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00:06:50.010 --> 00:06:54.360

terry buckley: Yeah. Well, he would have gotten the agenda, which had that on it that's

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00:06:54.630 --> 00:06:55.530

Clifford: True right

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00:06:55.620 --> 00:06:58.200

Guilford Host1: So Adam I was surprised to see it was good to see you.

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00:06:58.770 --> 00:07:00.780

Guilford Host1: Back here local engineering. Yeah.

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00:07:01.080 --> 00:07:03.780

Adam Hoffman: My guys will be out tomorrow will be out of here.

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00:07:04.500 --> 00:07:04.890

Guilford Host1: Thank you.

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00:07:05.190 --> 00:07:06.750

Adam Hoffman: Take care. Nice to see you all.

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00:07:08.850 --> 00:07:10.290

Guilford Host1: Was the show you that I shouldn't be doing.

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00:07:10.740 --> 00:07:11.790

secretarial or

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00:07:15.480 --> 00:07:15.840

Adam Hoffman: Okay.

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00:07:16.620 --> 00:07:18.090

Guilford Host1: I'm gonna call the meeting to water.

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00:07:19.110 --> 00:07:20.700

Guilford Host1: This is a meeting of the

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00:07:21.720 --> 00:07:21.930

Theodore Sands: Day.

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00:07:22.800 --> 00:07:29.700

Guilford Host1: And the discussion topic for this evening is Melissa Jones elementary school elevator upgrades.

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00:07:30.810 --> 00:07:31.170

Guilford Host1: Have a

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00:07:32.280 --> 00:07:36.810

Guilford Host1: Spreadsheet that I sent out with four different options for us to look at

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00:07:39.600 --> 00:07:42.000

Guilford Host1: Him. The goal is to set a direction tonight.

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00:07:43.230 --> 00:07:43.770

If you want to

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00:07:45.450 --> 00:07:47.100

Guilford Host1: Send us through the items.

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00:07:49.200 --> 00:07:50.010

Clifford: Yeah, I think.

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00:07:51.660 --> 00:07:58.140

Clifford: Brian has an updated sheet that he's going to share with us. So if you can give him control. He'll probably bring it up.

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00:08:00.330 --> 00:08:03.060

Brian: Yeah, sounds good. Hold on, let me pull that up for you guys.

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00:08:05.130 --> 00:08:07.110

Brian: And then I think it's share screen.

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00:08:10.620 --> 00:08:12.150

Guilford Host1: Brian. I'm gonna make you the host

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00:08:15.180 --> 00:08:15.930

Bob Banning: There it is.

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00:08:16.200 --> 00:08:18.330

Brian: You guys see the see the spreadsheet.

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00:08:19.650 --> 00:08:20.010

Guilford Host1: Yes.

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00:08:20.490 --> 00:08:30.000

Brian: Ya know if you guys can zoom in. This is actually my first time on doing a share screen. But yeah, basically just a recap, is that we have all basically four options. Some

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00:08:30.450 --> 00:08:39.390

Brian: Two of them are hydraulic based on one of them is electric traction. And then the last one is just, they are modernization on option.

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00:08:40.890 --> 00:08:46.350

Brian: So that's the, that's the breakdown of those are four items that we that we're looking at.

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00:08:47.760 --> 00:08:56.430

Brian: The thing that catches that what we need to decide on is what system. We want to go with each of them has their unique on benefits and drawbacks.

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00:08:57.540 --> 00:09:09.330

Brian: And some of it. A lot of it has to do with cost or availability of the manufacturers to on like the yeah there's a number of manufacturers that may, that may or may or may not offer the options.

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00:09:10.800 --> 00:09:16.290

Brian: And then there's also energy usage considerations that we want to put on the table.

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00:09:19.980 --> 00:09:21.600

Brian: Are you guys able to all here so far.

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00:09:22.140 --> 00:09:25.590

Brian: Yeah, good. So I make sure I'm not running without you guys

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00:09:26.730 --> 00:09:36.270

Brian: And then we've got on. Oh, yeah. And then we've got the, um, yeah. Not only that, but we also have installation requirements on impacts that may

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00:09:37.410 --> 00:09:52.470

Brian: That may come into play, depending on the choices that we make on with the elevators. So some. So some of the choices, especially like traction would require some significant demolition and reconstruction of existing roof and on voice way structures.

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00:09:54.000 --> 00:09:57.120

Brian: Yep. So that's definitely there and then

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00:09:58.320 --> 00:10:10.290

Brian: And then also there's some differences to with the MEP upgrades the requirements vary depending on what choice we have, especially between hydraulic and electric

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00:10:11.340 --> 00:10:16.890

Brian: And Bob can go into more detail on that later on with some of those are differences for me. P.

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00:10:18.420 --> 00:10:22.620

Brian: And then also speed of installation too long might be a factor for you guys.

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00:10:25.830 --> 00:10:35.910

Brian: But I think I would say right off the bat. I'm just, just try to guide guide you in in in a direction that might be most beneficial but I think from from what we've looked at.

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00:10:36.330 --> 00:10:44.730

Brian: I would say I probably would not recommend on just merely a monetization on even though we did put on the table because you're not really

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00:10:45.750 --> 00:11:01.500

Brian: For the amount that you're paying for a monetization ization not really getting on a whole new elevator, you're just getting some parts so long in my professional opinion. I just don't see a whole lot of benefits, who are just mere mana modernization. All you're just using the arm.

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00:11:02.670 --> 00:11:04.770

Brian: The older elevator with a few my

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00:11:05.940 --> 00:11:12.810

Brian: New part replacement parts when you could get the same one for a similar price. You could get a brand new elevator all unit.

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00:11:14.130 --> 00:11:19.530

Brian: Well, if you look at the spreadsheet, you could see the special like the hydraulic the two hydraulic options.

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00:11:20.790 --> 00:11:23.010

Brian: There, their price point is very comparable.

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00:11:24.090 --> 00:11:27.330

Brian: So right off the bat, I would probably recommend against I'm

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00:11:28.440 --> 00:11:38.070

Brian: Just going for just a monetization. I think you guys had said all new elevator. Anyways, but I just wanted to run that by you guys just in case there was anything, any comments you had about that.

118

00:11:42.060 --> 00:11:44.400

Bob Banning: You want me to check on the MEP brain.

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00:11:44.850 --> 00:11:53.190

Brian: Yes, it's just, yeah. Because I know that at the on the up on the traction. There was a little bit of an appt charge or on a little bit of increase charge because of the arm.

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00:11:54.090 --> 00:12:05.760

Brian: Yeah, because of the you have circuit breakers air conditioning requirements saw associated with the with the traction versus the hydraulic units.

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00:12:06.450 --> 00:12:13.620

Bob Banning: Yeah, yeah, it's a little counterintuitive because the electric electric traction elevator, which is a, it's a newer

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00:12:14.400 --> 00:12:33.060

Bob Banning: Well, it's a more modern offering or more reason off offering from the elevator manufacturers and it does actually use less electricity uses about a mill between six and seven horsepower motor as opposed to most of the hydraulic pumps that are in the 20 to 25 horsepower range.

123

00:12:34.410 --> 00:12:46.740

Bob Banning: But in your case, because of the, you know, relatively limited use at this elevator sees and the architectural impacts that come with the traction elevator basically of needing to create a taller hoist way.

124

00:12:47.670 --> 00:12:52.680

Bob Banning: We don't, we don't think the the energy savings whatever really pay back the added cost.

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00:12:54.480 --> 00:13:03.180

Bob Banning: The, the, you know, the hydraulic options are basically you you know replicating what you have there. Now, as Brian mentioned there's a there's a

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00:13:03.570 --> 00:13:20.160

Bob Banning: Hold option where where your, your piston goes down into the ground, which is the style that that exists right now. Hello. There are some improvements to that technology that Brian can can bring up and then I hold this option which keeps the hydraulic filled cylinder out of the ground.

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00:13:22.500 --> 00:13:25.560

Bob Banning: But you know just did it creates a very uses a

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00:13:26.520 --> 00:13:27.840

Brian: coping mechanism.

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00:13:28.590 --> 00:13:28.950

Bob Banning: And

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00:13:29.070 --> 00:13:36.660

Brian: They're like nested. They're like nesting dolls. Almost Home yet or just telescoping on mechanisms on that which act as the piston on

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00:13:37.740 --> 00:13:46.110

Brian: Yeah. And the difference in the reason they energy. Is it a little bit or is an item that we mentioned, even though it might not be that significant in your case.

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00:13:46.500 --> 00:13:55.290

Brian: Is because of the arm in the traction. You've got the weight. The counterweights which which helped bring the elevator up and allow for less energy usage.

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00:13:55.740 --> 00:14:02.790

Brian: But with the hydraulic you're using more energy to push that elevator up. So that's one of the one of the differences there.

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00:14:03.330 --> 00:14:17.850

Brian: But I would say say some of the things that most worried about with the hydraulic would be the environmental issues, even though there are options now that mitigate that are in actually requirements, such as the additional me

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00:14:18.960 --> 00:14:22.860

Brian: That keeps the arm that would contain any contaminants such as

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00:14:23.370 --> 00:14:40.110

Brian: It's a PV. It's actually a PVC sleeve on with an end cap that would contain anything that would potentially leak into the ground. So you've got an added layer of protection, besides the actual piston case on for the hydraulic in home or hold option.

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00:14:41.430 --> 00:14:58.410

Brian: And then the. And then also, um, they're using vegetable based oil as opposed to petroleum based oil and some of these options to. So that's another arm benefit that you could actually gain with the with this elevator replacement. We're still using these someone older technology.

138

00:15:00.150 --> 00:15:09.840

Bob Banning: So it's, it's kind of a lot of information in front of the group here now. Maybe a good point. If you guys have any, any questions or any of the options you want us to expand upon

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00:15:12.450 --> 00:15:14.850

Guilford Host1: What's the, what's the actual usage of this elevator.

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00:15:16.110 --> 00:15:17.610

Guilford Host1: In terms of frequency

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00:15:19.980 --> 00:15:25.080

Clifford: It's pretty minimal students are not allowed to use it unless they have some sort of handicap or

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00:15:26.700 --> 00:15:34.950

Clifford: You know, issues such as, you know, maybe during a sporting injury and, you know, broken leg, something of that nature where they're, you know, temporarily enabled to use the stairs.

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00:15:36.930 --> 00:15:45.210

Clifford: And then the custodians use it primarily for transporting equipment and supplies up and down to the various levels. So there's very little use

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00:15:45.870 --> 00:16:01.260

Clifford: The teachers don't really use it all it's primarily only a two story building. So most of the class shift between the first floor. The second floor and they always take the stairs. So the usage is minimal. But we are required to have it obviously make it a DA compliant.

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00:16:01.710 --> 00:16:02.010

Right.

146

00:16:03.210 --> 00:16:08.190

Brian: And then you guys don't have to worry about the stretcher requirement because saw really it's, I mean, no.

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00:16:08.700 --> 00:16:24.780

Brian: As the maximum. Is it is it is a three story building with a mezzanine so I'm at four stories, you would have to have a stretch of requirements. So we don't have to worry about the the x, y dimension with the elevator, so we can maintain that same on elevator dimension if we have to

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00:16:25.380 --> 00:16:30.630

Will: Have a question if if we were to use the polls. Basically, this

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00:16:32.940 --> 00:16:37.950

Will: Is your chef way size to accommodate or does a chef. We need to be modified.

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00:16:38.760 --> 00:16:42.360

Brian: As actually you were shopping in an opera second. I'll repeat that, please.

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00:16:43.560 --> 00:16:47.070

Will: So if you use if you use the whole list option.

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00:16:47.430 --> 00:16:48.300

Brian: Okay, hold this

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00:16:49.710 --> 00:16:53.790

Will: Is your shelf way size to accommodate or doesn't modify

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00:16:54.000 --> 00:16:59.910

Brian: Depends on the manufacturer, but we did. We did talk to Schindler on least just to get an idea and um

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00:17:00.420 --> 00:17:15.030

Brian: And it seemed like we're okay with that on dimension because they stepped the y'all. They set the little the hydraulic mechanisms on either side of the car. And so yeah, so it should be okay because I didn't want the, um,

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00:17:15.120 --> 00:17:16.920

Will: I don't really understand that answer. I mean,

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00:17:17.160 --> 00:17:20.100

Will: It's okay dimensions are it is not confirmed

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00:17:20.160 --> 00:17:23.310

Brian: No, actually the dimensions from based upon what Schiller on

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00:17:24.420 --> 00:17:27.390

Brian: Told me is that should work actually for the

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00:17:28.710 --> 00:17:38.100

Brian: Yeah, for the whole list option, but actually the issue might be more. So the vertical than it is the x, y directions. So the vertical

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00:17:38.190 --> 00:17:39.750

Will: Team. You don't have the headroom meaning.

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00:17:40.350 --> 00:17:50.460

Brian: They had really long is not to depending on the manufacturer on that might be a question, but the but the sometimes about some of the elevator man manufacturers.

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00:17:50.940 --> 00:18:01.650

Brian: On I say that the that the three four story I'm vertical dimension travel dimension is pushing a women in terms of the in terms of the telescoping whole this option.

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00:18:03.930 --> 00:18:12.630

Brian: Yeah, so that's, that's, that was a little bit of a concern there. Um, but we still have the arm the hold option which is what we're, what we're currently using.

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00:18:14.580 --> 00:18:21.270

Brian: So they're going to ask them. We can look in into both options. Some reason, it depends on the manufacturer that they don't some of them.

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00:18:22.110 --> 00:18:32.940

Brian: Yeah, Sheila did did our show model to me. I'm using the telescoping option. But then there was another manufacturers said that they that they could not handle that. So it depends on the manufacturer

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00:18:34.110 --> 00:18:38.910

Brian: But they didn't have. They didn't seem to have an issue with the with the width or depth of the

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00:18:39.960 --> 00:18:42.150

Brian: Of the element of the show the voice way.

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00:18:43.050 --> 00:18:45.510

Bob Banning: They were okay with the forefoot pit depth spring.

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00:18:45.540 --> 00:18:51.090

Brian: Yeah, that was not an issue or most law that the forefoot depth was not an issue, especially with the

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00:18:52.080 --> 00:19:06.690

Brian: Especially with the hydraulic options. It is for the traction, I believe, for the traction options because you have the especially with the under slung elevators, you are you have on some of the mechanics are down there in terms of the cabling how that's attached and everything.

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00:19:07.980 --> 00:19:16.560

Brian: So there's a little bit more involved on with the way everything is is under slung for for a typical traction elevator.

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00:19:17.610 --> 00:19:31.740

Brian: So that's why there's an issue with requiring a five foot depth for for those. But I think we should be okay with the especially with the hydraulic arm choices. Either Hollis or wholeness are either. I mean, hold our Hollis

174

00:19:33.150 --> 00:19:43.110

Dan's iPhone: There's, there's no issues with maintenance or getting parts for the whole I see that it's some manufacturers aren't even offering them anymore. And it's kind of older technology, right. The the

175

00:19:44.400 --> 00:19:48.090

Dan's iPhone: electric traction is kind of the way everyone's going these days or no.

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00:19:48.900 --> 00:19:49.560

Bob Banning: It's not. Yeah.

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00:19:49.650 --> 00:20:03.000

Brian: Not everybody. Yeah, I mean, I mean a lot of people aren't and they're great, especially for on for the like either like all four stories and up, which we do have. So we're kind of border the catches were borderline between them, a very

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00:20:04.650 --> 00:20:15.930

Brian: low rise elevator and they elevator that that I hire is elevator elevator, which, especially in that situation all traction would definitely be the option.

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00:20:17.100 --> 00:20:17.460

Bob Banning: Yeah.

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00:20:17.610 --> 00:20:24.870

Brian: Because we're at four stories on including that mezzanine mezzanine level we're kind of on on a crossbar bomb going either way.

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00:20:26.010 --> 00:20:39.360

Brian: Our biggest challenges that I'm is that headroom is that overrun from the top floor to the to the underside of the voice way stealing that's that's I that's I think that's the, that's one of the options. We definitely have to talk about

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00:20:40.500 --> 00:20:51.360

Brian: Tonight is is that whole issue with the lack of clearance above because they have put the elevator in only considering the hydraulic option and not considering in the future, any changes to that.

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00:20:52.950 --> 00:20:54.330

Brian: So question you that's going to be

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00:20:54.900 --> 00:21:04.560

Bob Banning: Looking at. And I gotta say, Brian, if we were looking at a new elevator for you guys. I think we'd agree the, the electric traction is probably the way we would recommend

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00:21:05.040 --> 00:21:13.320

Bob Banning: You know, based on the the efficiency of its operation and the and the fact that we can we can do it without the need for a machine room.

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00:21:14.430 --> 00:21:19.680

Bob Banning: But because of the restriction with the as Brian said the overhead here, it kind of throws

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00:21:20.040 --> 00:21:32.400

Bob Banning: A significant added costs into the electric traction. And we already have a machine room, so we don't need to worry about creating that but there's certainly plenty of, you know, manufacturers out there who are still building new hydraulic machines.

188

00:21:32.760 --> 00:21:36.540

Bob Banning: And and I'm still I'm still maintaining and supporting

189

00:21:37.200 --> 00:21:37.620

Dan's iPhone: Okay, good.

190

00:21:38.370 --> 00:21:47.130

Brian: Yeah, so a lot of the low rise, it's still an option on the table and then I'm cautioning you guys with the arm if for some reason you're really on

191

00:21:47.610 --> 00:21:59.880

Brian: We're pushing traction. I would guesstimate give me a good guest some estimate guests that we've got at least \$40,000 worth of them added construction when it comes to demolition.

192

00:22:00.390 --> 00:22:10.830

Brian: Somewhat heavy demolition and heavy reconstruction of that entire all roof structure on top of elevator and I'm increasing the height of all pretty much all the three walls.

193

00:22:11.520 --> 00:22:20.610

Brian: So we've got some significant work on up there. Um, if we if we were to modify that to accommodate the workings of a tracking elevator.

194

00:22:22.320 --> 00:22:25.980

Theodore Sands: Well, what can we can we focus on one thing here.

195

00:22:27.450 --> 00:22:30.180

Theodore Sands: This elevator is not used very much

196

00:22:31.500 --> 00:22:44.490

Theodore Sands: Mean, this isn't a central feature of the school in any way and and so to me spending a lot of money on this elevator is just a waste.

197

00:22:47.100 --> 00:23:03.450

Theodore Sands: I know that what we have now, they're not going to serve us anymore. We can't get parts for it, but what can we do that holds the cost down and uses as much of the existing facility as we can.

198

00:23:05.760 --> 00:23:12.720

Brian: I would say definitely um, stick with them. I mean, right now, we've got the whole elevator, which we could actually replace that

199

00:23:13.140 --> 00:23:25.650

Brian: One for one, pretty much, um, with a few monetization either upgrade some that focus on on added on environmental safety and I'm there might be some a little bit of them.

200

00:23:26.190 --> 00:23:37.320

Brian: Improve the energy savings with that. So is that would definitely be one of the hydraulic options that we would go for that would use that would reuse as much of our own.

201

00:23:38.340 --> 00:23:41.070

Brian: Existing structure as possible and minimal demolition work.

202

00:23:43.980 --> 00:23:51.630

Theodore Sands: Well, I mean, I think that's what we should focus on because this elevator doesn't get used enough that the energy savings is going to amount to and

203

00:23:51.630 --> 00:23:51.960

I

204

00:23:53.190 --> 00:23:57.450

Theodore Sands: Think if this elevator is used five times a day. That's probably a lot

205

00:23:57.870 --> 00:23:58.590

Yeah.

206

00:23:59.790 --> 00:24:13.200

Theodore Sands: So, I mean, I'm not worried about energy efficiency, what I'm worried about is we we we have to do something. Now, I understand that. But I want to do something that gives us

207

00:24:14.100 --> 00:24:33.660

Theodore Sands: You know 10 1520 years of future use of this elevator. I mean, I don't want to do this and find out seven years from now that we can't get parts for what to fix whatever we did as a replacement here.

208

00:24:34.710 --> 00:24:37.740

Theodore Sands: That that's the only constraint that I'm worried about

209

00:24:39.000 --> 00:24:52.650

Clifford: So in that case, I think if we take out the you know refurbish the bottom option and throw that out because I don't think we want to refer the existing I think we really want to upgrade it and install new so we get a good

210

00:24:53.760 --> 00:25:06.480

Clifford: You know, plus years out of the new install the only question I had. And maybe I wasn't sure if I was actually asked by will if we you do the whole hydraulic

211

00:25:07.200 --> 00:25:16.890

Clifford: Someone do we have now. Do they have the board that hole in order to put the PVC sleeping. That's the only the upgraded sleep for environmental reasons.

212

00:25:17.100 --> 00:25:26.520

Brian: I believe they have a from what I was looking, I was looking at what you guys had done over at on the atom school even I wasn't on job, but I believe they are pound a I'm

213

00:25:26.970 --> 00:25:42.600

Brian: Asleep into the ground on to help a hold back that dirt so that the whole thing doesn't came in. So it's definitely a feasible option and then they can um slip the arm, then they can slip that whole assembly in which also will include on the PVC.

214

00:25:43.920 --> 00:26:00.720

Brian: Pipe which is like a secondary enclosure that also provides added protection because the biggest problem with the hydraulic was the was environmental was the environment environmental side of things, which will be resolved and also the use of our vegetable oil as an option to

215

00:26:01.770 --> 00:26:08.040

Brian: Me as I know that they are that they have all upgraded or progress the hydraulic options to um

216

00:26:08.490 --> 00:26:25.950

Brian: So I do so i'm i'm sure that they have that it's not just though something that's ancient but it's this is still good for all low rises as opposed to many stories where attractions would be ideal for that situation about here. The y'all with the low rise low usage.

217

00:26:26.940 --> 00:26:44.070

Clifford: It says there's too much matter. So I think we're taking the reefer off the table. Yes. I don't see why you'd go from if we already have an existing whole. Why would we change over to go through a holistic system. If we already had the whole and like Adams, we can install asleep.

218

00:26:45.450 --> 00:26:53.310

Clifford: Continue to use the hold option because that's, I mean we're not. It's not a huge difference. But there could be potential, a little bit of savings there.

219

00:26:53.670 --> 00:27:06.270

Clifford: I think, going to the electric is completely almost off the table, unless somebody jumps up and down says otherwise because of the cost and the modifications to the building. There's no real energy savings. So there's no real

220

00:27:07.740 --> 00:27:09.600

Clifford: Reason to go that direction. So,

221

00:27:11.910 --> 00:27:31.110

Clifford: I think at this point. I don't know if it's just worth checking with the committee members and see if anybody wants to go with something other than the whole option, similar to what we have now and just work off of that and and essentially install a new elevator using that concept.

222

00:27:31.440 --> 00:27:34.200

Will: You have any high water issues there or is water.

223

00:27:34.980 --> 00:27:47.700

Clifford: Not but as far as I know we've never really had a major. Well, I take that back. There's not a high water table. However, there's a lot of runoff because of the way

224

00:27:48.300 --> 00:28:02.340

Clifford: It kind of sits because we are partially sub terrain, so that mechanical room is actually much like the gym. If you've ever been up there. It's probably two thirds underground

225

00:28:03.270 --> 00:28:15.480

Clifford: So we have had moisture and water issues in the gym, but I've never heard of any issues whatsoever with the elevator, the elevator pitch and that type of thing.

226

00:28:16.530 --> 00:28:23.370

Bob Banning: Yeah, there's actually a sump pit just outside the footprint of the elevator on the lowest level.

227

00:28:23.820 --> 00:28:31.260

Bob Banning: That deeper than the than the pit depth itself. And it's got a sump pump in it that did have some water in it when we opened it up. But obviously,

228

00:28:31.680 --> 00:28:45.600

Bob Banning: Because of the potential concern for groundwater when they built the elevator addition, you know, they put that some pit in there, not in the elevator pitch but adjacent to it to, sort of, you know, alleviate that concern.

229

00:28:46.140 --> 00:28:54.240

Will: That sometimes an argument for the host versus the hold but I mean the whole shaft is sealed. So it's just

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00:28:55.530 --> 00:28:58.830

Will: You know, and that's usually if you have a more caustic environment.

231

00:29:01.740 --> 00:29:07.530

Theodore Sands: And we can we, if we go with the whole hydraulic

232

00:29:08.940 --> 00:29:12.150

Theodore Sands: Are we sure we can use the vegetable oil.

233

00:29:14.190 --> 00:29:14.430

Yeah.

234

00:29:15.630 --> 00:29:16.230

Bob Banning: Yes.

235

00:29:18.030 --> 00:29:30.990

Theodore Sands: Okay, because I think that would be the. There's a lot of the environmental concern about what we've got now weeks and getting into the groundwater and all that kind of jazz.

236

00:29:31.590 --> 00:29:40.770

Brian: That's why we're putting hydraulic back on the table because of those on new added on environmental on environmentally conscious our features.

237

00:29:45.030 --> 00:29:45.420

Clifford: I know we

238

00:29:46.200 --> 00:29:48.270

Guilford Host1: Are we confident in the whole

239

00:29:49.470 --> 00:29:52.290

Guilford Host1: Old hydraulic that we do not have to touch the

240

00:29:53.640 --> 00:29:55.500

Guilford Host1: The overrun roof.

241

00:29:56.970 --> 00:30:12.120

Brian: I believe we are. Yes, we are. Because that was one of the critical dimensions from early on in my research was the was that overrun

and this is the reason why I'm why we're putting me hold on putting the hydraulic options back on the table.

242

00:30:13.200 --> 00:30:25.320

Brian: Because I'm because there's very little on there's very little bit of a very few elevated workings above the ceiling of the cab with this because everything happens below below your feet as opposed to bob your head.

243

00:30:26.250 --> 00:30:30.870

Brian: So that's the reason why we, and that's the reason why the why the shaft was built back in the

244

00:30:32.070 --> 00:30:38.880

Brian: late 90s, early 2000s. This way, because there was no consideration for any mechanism above overhead.

245

00:30:39.900 --> 00:30:55.860

Will: Yeah, but just, just to be real. I mean I grill DOM and specific. So if we replace the existing hold hydraulic elevator with this new unit, the shaft is Bill. It fits inside without modification

246

00:30:56.160 --> 00:30:57.420

Brian: Yes, that's why we're on

247

00:30:57.450 --> 00:31:00.720

Will: The bottom left to right, the whole deal. Correct.

248

00:31:01.050 --> 00:31:01.470

Bob Banning: Correct.

249

00:31:01.890 --> 00:31:06.870

Brian: That's why we were all looking at these options on for hydraulic it was for that reason.

250

00:31:08.790 --> 00:31:09.270

Will: Thank you.

251

00:31:10.410 --> 00:31:20.580

Clifford: Are some quick questions that recall we ran into with Adam's first I think by code. We ended up having to put a ladder into

252

00:31:21.540 --> 00:31:30.330

Clifford: The pit to have some sort of fold out ladder or something of that nature, which came into play. We had to change the order because we had to add that ladder.

253

00:31:30.990 --> 00:31:46.800

Clifford: Going into the pit to make it compliant. There's also concerns about sprinkler heads and fire alarm mechanisms have we checked on those to make sure that we're not going to run into any conflicts and find out that you know we have to add a ladder and therefore

254

00:31:48.150 --> 00:31:52.560

Clifford: You know the I know car will no longer fit with the elevators.

255

00:31:53.640 --> 00:31:54.390

Clifford: That you know i mean

256

00:31:54.780 --> 00:32:00.750

Brian: We already have the ladder, right, blah, blah, because I know you were, you were able to go back and bring elevator off.

257

00:32:01.440 --> 00:32:06.120

Bob Banning: Correct, yeah. Yeah, there's an existing elevator. We check the dimensions of it so

258

00:32:06.870 --> 00:32:19.140

Bob Banning: If it needed to be replaced. Because of the dimensions of the new cab. We'd certainly just include that as part of the project. We don't anticipate that will be the case, there will be some code upgrades. We're going to need cliff.

259

00:32:20.520 --> 00:32:25.530

Bob Banning: Obviously, we will we will seek to include all of those as part of the design.

260

00:32:26.550 --> 00:32:39.060

Bob Banning: You know nothing terribly significant, but the the elevator code has changed a little in the last few years. So a couple of extra dedicated 120 volts circuits. They want the light separate from the outlet and that sort of thing now.

261

00:32:40.680 --> 00:32:49.260

Bob Banning: The. The other thing we ran into it. Adams was that they found the main issues with the condition of the hoist with them some

262

00:32:50.490 --> 00:33:02.160

Bob Banning: Spoiling concrete or something along those lines. We took a real close look at all levels of the hoist way here, and it's really in good shape. So I don't anticipate that that change order dinging us here either.

263

00:33:04.290 --> 00:33:14.790

Clifford: With the new elevator. Is there a ventilation requirements. I know what the electrical WHEN YOU STAY THERE WAS ventilation requirements, but with the hydraulic. Do we have to add air conditioning to this card for any reason, or

264

00:33:15.210 --> 00:33:16.050

Bob Banning: I think

265

00:33:16.770 --> 00:33:22.620

Bob Banning: I think they're going to tell us yes that's you know that the new controllers new

266

00:33:23.250 --> 00:33:33.390

Bob Banning: The controllers in the last 20 years or 15 years anyway are all microprocessor based and they basically all come with a warranty statement that says you need to keep it below.

267

00:33:34.170 --> 00:33:44.430

Bob Banning: You know 82 degrees or something like that in the machine room and you know well if we were a guarantee the elevator would never go up and down more than a handful of times

268

00:33:45.720 --> 00:33:58.080

Bob Banning: In a three hour period. You know, the possibilities still exists and for the, you know, three to \$4,000 that a Douglas split system will cost probably something we're going to need to do

269

00:34:00.870 --> 00:34:05.910

Bob Banning: We've, we've included that as part of the cost and I think it would be a cost for any one of the options.

270

00:34:06.270 --> 00:34:09.240

Clifford: Right, and that's for the mechanical space you're talking about

271

00:34:09.930 --> 00:34:10.950

Clifford: The car itself.

272

00:34:12.210 --> 00:34:20.010

Bob Banning: Oh, the host way itself. There's no cooling requirement there with the electric traction, we do.

273

00:34:21.600 --> 00:34:27.180

Bob Banning: They do have, as you sort of suggested that in enhanced requirement in terms of of

274

00:34:28.290 --> 00:34:41.790

Bob Banning: I don't know if ventilation is the right word, but they are more concerned about the temperature within the way with those because the actual driving machine is within there, but I don't. We don't. We shouldn't run into anything along those lines with the hydraulic

275

00:34:49.980 --> 00:34:51.540

Guilford Host1: Other questions from the committee.

276

00:34:55.260 --> 00:35:00.240

Guilford Host1: So cliff. Do you we don't we just make a recommendation. This isn't a boat right

277

00:35:00.390 --> 00:35:12.960

Clifford: Correct. We just need to you know get confirmation on which direction you want to go. So if we want to go with the whole list hydraulic. That's the way we will design the system. If the building committee directs us to do that.

278

00:35:15.060 --> 00:35:19.260

Guilford Host1: Sounds like there's been a lot of discussion around the old hydraulic replacing kind

279

00:35:20.970 --> 00:35:21.660

Theodore Sands: I agree.

280

00:35:23.010 --> 00:35:23.520

Michael Tyre: I agree.

281

00:35:23.670 --> 00:35:24.990

Guilford Host1: On have a comment.

282

00:35:27.330 --> 00:35:28.050

Guilford Host1: counter to that.

283

00:35:34.920 --> 00:35:37.500

Guilford Host1: That assume that that would be the recommendation of the Committee.

284

00:35:38.280 --> 00:35:39.780

Michael Tyre: Yeah. Yes.

285

00:35:40.230 --> 00:35:40.500

Yes.

286

00:35:42.360 --> 00:35:45.480

Guilford Host1: Hey, I guess we'll go on the record saying that we recommend that the design.

287

00:35:49.740 --> 00:35:50.760

Guilford Host1: hover around the whole

288

00:35:50.790 --> 00:35:52.830

Guilford Host1: Hydraulics replacing kind elevator.

289

00:35:54.930 --> 00:35:55.200

Clifford: Right.

290

00:35:55.440 --> 00:35:57.930

Clifford: So that gives us enough information to move forward and

291

00:35:58.830 --> 00:36:12.630

Clifford: These guys can continue doing what they need to do to get the full set of drawings and CDs. Let me ask either Brian or Bob. Now that we have a direction to move in. What's our timeframe to get

292

00:36:13.560 --> 00:36:22.470

Clifford: Probably you know CDs or DVDs done and back over to the standing building committee knowing we want to go out this spring.

293

00:36:23.790 --> 00:36:31.710

Bob Banning: Yeah, I would say we can we can have a substantial progress set for review probably

294

00:36:32.910 --> 00:36:40.650

Bob Banning: I would say probably right after Thanksgiving with the idea that being that that we could have the whole thing wrapped up before Christmas.

295

00:36:42.090 --> 00:36:49.410

Bob Banning: Ready to go on the street. I think that lead time for the for the hold option should work should work pretty well.

296

00:36:51.390 --> 00:36:57.900

Brian: Right should be much better because we're not we're doing very minimal depth demo reconstruction with that option so

297

00:37:00.090 --> 00:37:00.900

Brian: Expedite that

298

00:37:04.380 --> 00:37:06.810

Clifford: Great. I think that's all we need for tonight, Dave.

299

00:37:06.930 --> 00:37:07.530

Clifford: So, all right.

300

00:37:09.960 --> 00:37:11.880

Clifford: Thank you everyone for yes

301

00:37:12.330 --> 00:37:13.410

Guilford Host1: Thank you all for joining.

302

00:37:13.890 --> 00:37:14.250

Brian: Thank you.

303

00:37:14.700 --> 00:37:15.750

Guilford Host1: Have a good evening, everyone.

304

00:37:16.890 --> 00:37:17.250

Brian: Thank you.

305

00:37:18.060 --> 00:37:18.510

Dan's iPhone: Thank you.

306

00:37:18.900 --> 00:37:19.230

Hi.

307

00:37:20.400 --> 00:37:20.700

Clifford: Can I

