



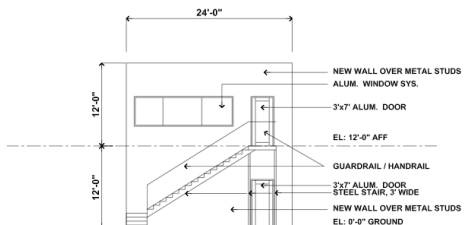
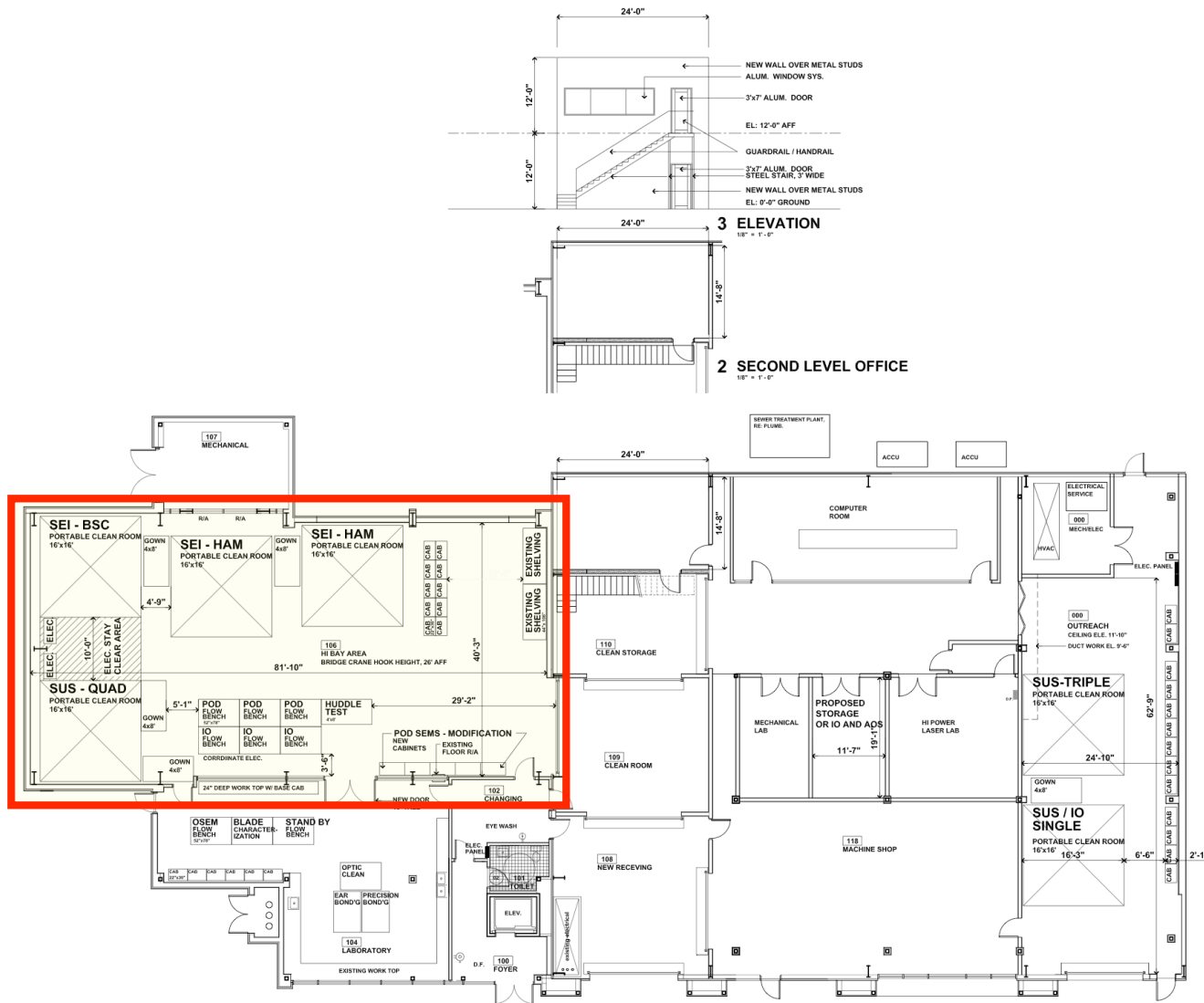
HAM-ISI Production for Advanced LIGO

Strategy

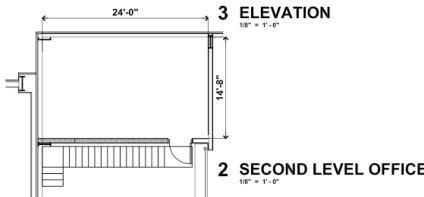
- We will need 14 more HAM-ISI platforms to instrument all three Advanced LIGO interferometers and one LASTI prototype.
- Start to build at both LHO and LLO. When the BSC-ISI is ready LHO will switch to building those, LLO will build remaining HAM tables.
- We can ship the HAM-ISI, but we do not believe we can safely ship the BSC-ISI.
- Build requires extensive facilities modifications, detailed parts inventory and tracking, and coordination of cleaning activities.

Facilities Modifications and Preparations

- Committee headed by John Worden. Active participation from SEI team (Mason, O'Reilly).
- Layout for assembly of platforms and storage of complete assemblies.
- Strategy for cleaning, baking and storing incoming parts.
- Lots of overlap with SUS.
- Modifications have already started.



3 ELEVATION
1/8" = 1'-0"



2 SECOND LEVEL OFFICE
1/8" = 1'-0"

1 FIRST FLOOR PLAN - PARTIAL
1/8" = 1'-0"



FIRST FLOOR BUILDING - PARTIAL

INTERIOR GROUND FLOOR PLANNING FOR:

LIGO - STAGING BUILDING
LIVINGSTON, LA

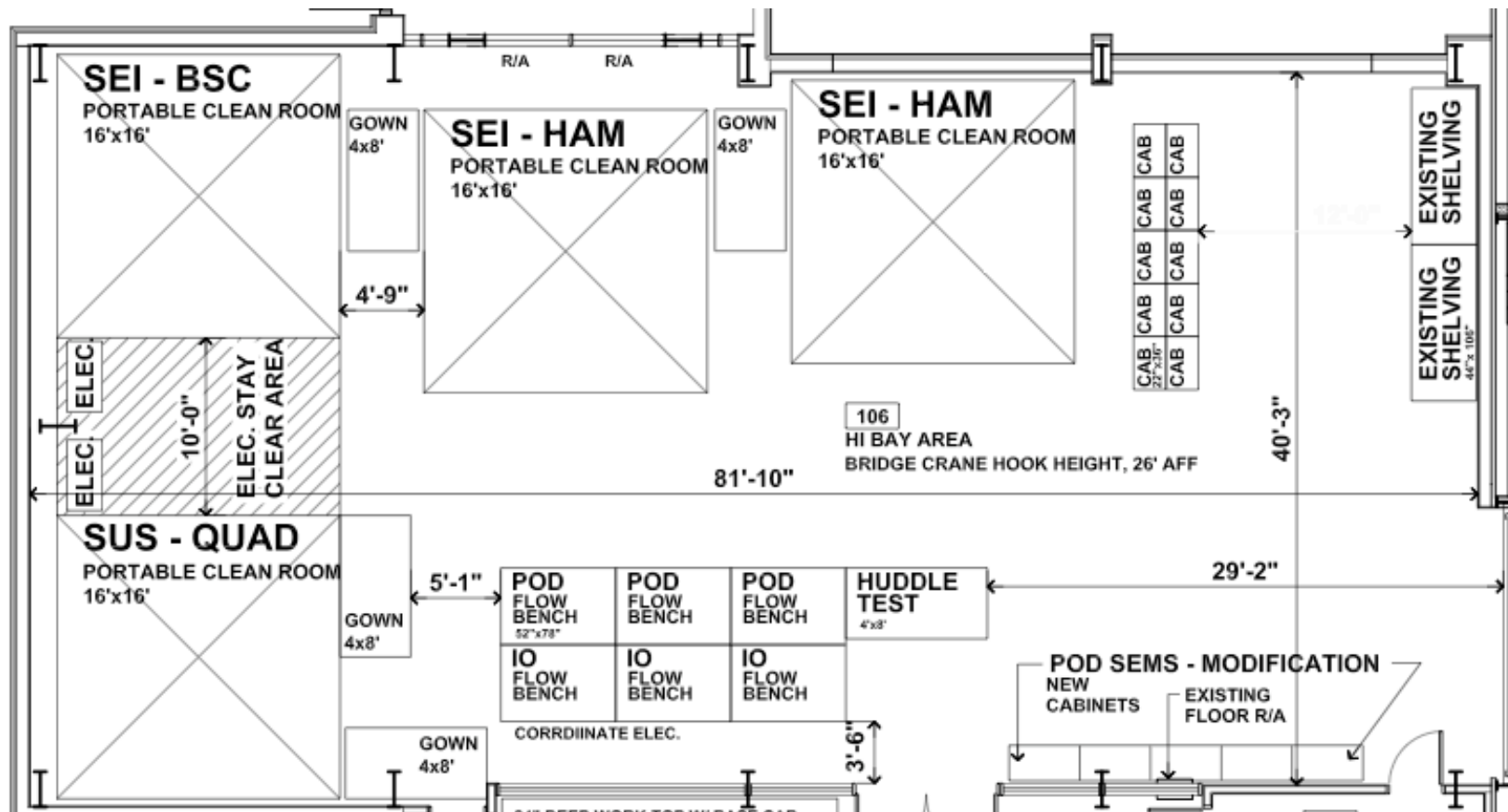
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DATE 05.12.2008
SHEET

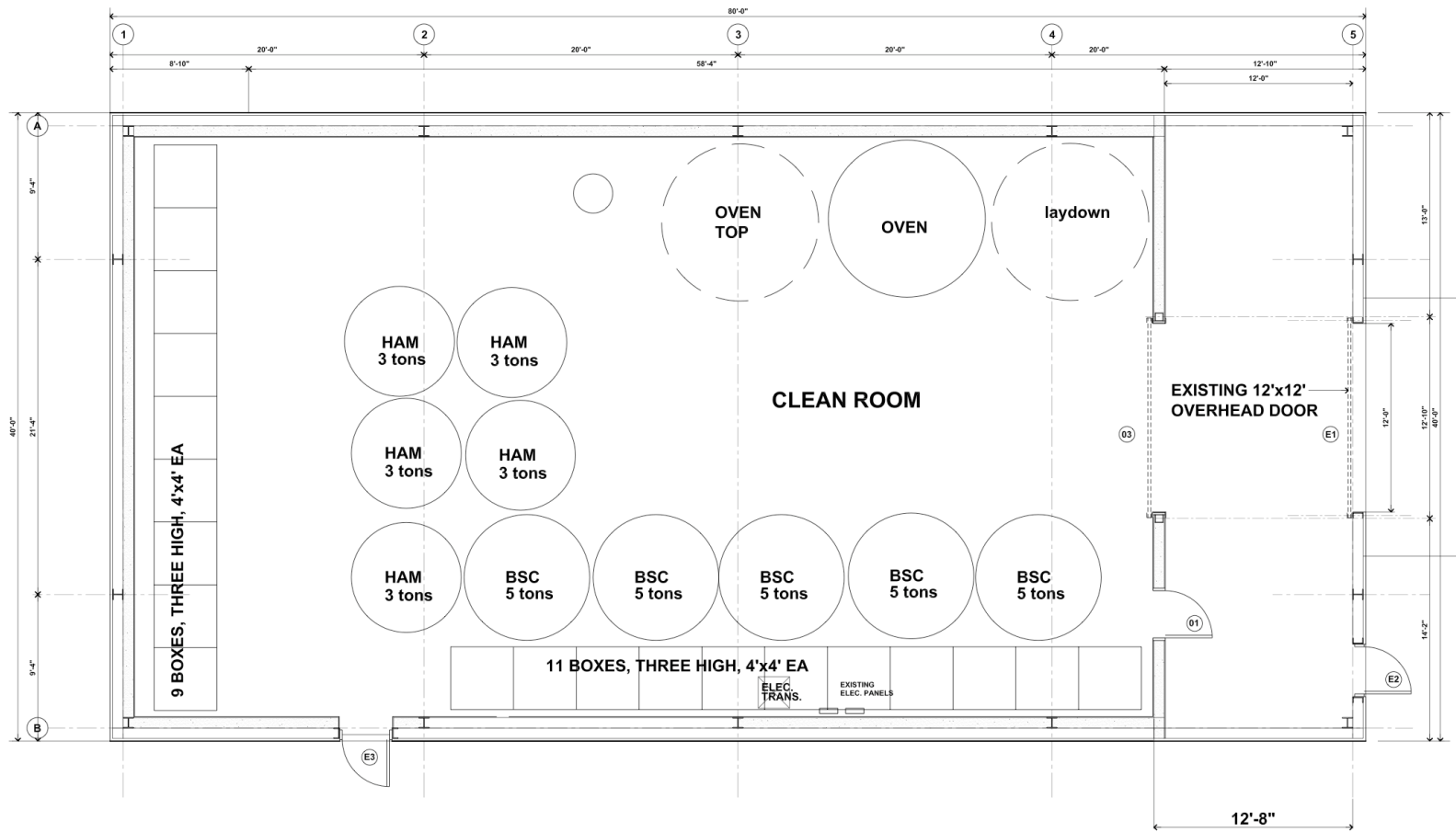
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Schedule

- Building and Installing prototypes at LLO and LHO took ~50 to 55 work days.
- Estimate for production:
 - First article: 40 days, including setup.
 - Subsequent articles: 30 days.
 - LHO: 4 tables ~ 26 calendar weeks.
 - LLO: 10 tables ~ 62 calendar weeks!
- Also need to build 96 sensor pods + spares.
- Parallel to SUS effort
- **These numbers are a guess and assume sufficient manpower resources on task.**

Schedule

- We should start as soon as it is feasible.
- Plan to have computing and electronics in place by mid-2009 at the latest.
- If the reviews go well we could start building in spring of 2009 instead of the current fall plan.
- BSC is likely to be much more complicated, we can reduce our schedule risk significantly by getting the HAM-ISI build out of the way.