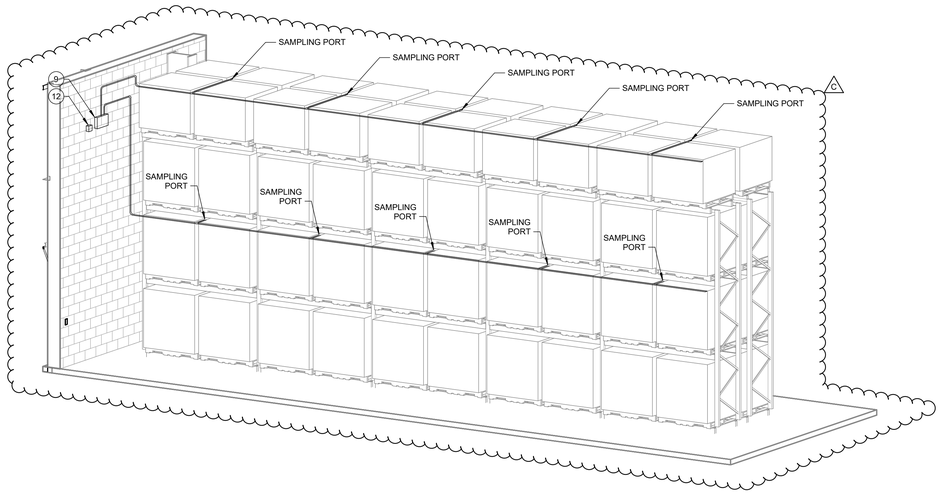
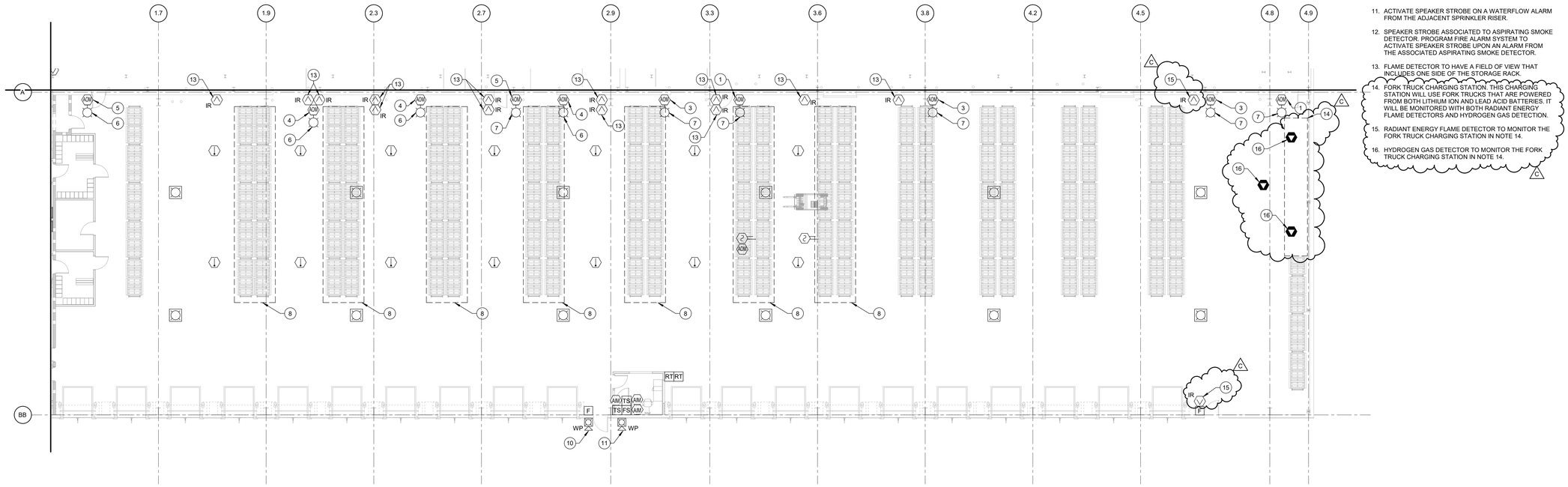


IN-RACK SMOKE AND HYDROGEN DETECTION DETAIL

SCALE: NOT TO SCALE



FIRE ALARM STORAGE FLOOR PLAN

SCALE: 3/32" = 1'-0"

GENERAL NOTES

A. SEE SHEET TA-001 FOR SYMBOL SCHEDULE AND GENERAL NOTES.

B. UNLESS OTHERWISE NOTED, NOTIFICATION DEVICES IN THE STORAGE AREA ARE TO ONLY ACTIVATE UPON AN ALARM IN THE OFFICE OR STORAGE AREAS.

C.

PLAN NOTES

1. ADDRESSABLE RELAY TO ACTIVATE DURING AN ALARM IN EITHER THE STORAGE OR THE WET PROCESS AREA AND CONTROL THE DOOR HOLD OPEN DEVICE. MAN DOOR MUST CLOSE DURING A FIRE ALARM.
2. ADDRESSABLE RELAY TO ACTIVATE DURING AN ALARM IN EITHER THE STORAGE OR WET PROCESS AREA AND CONTROL THE SLIDING DOOR OPERATOR. DOOR MUST CLOSE DURING A FIRE ALARM.
3. ADDRESSABLE RELAY TO ACTIVATE DURING AN ALARM IN EITHER THE STORAGE OR WET PROCESS AREA AND CONTROL THE OVERHEAD DOOR OPERATOR. DOOR MUST CLOSE DURING A FIRE ALARM.
4. ADDRESSABLE RELAY TO ACTIVATE DURING AN ALARM IN EITHER THE STORAGE OR DRY PROCESS AREA AND CONTROL THE OVERHEAD DOOR OPERATOR. DOOR MUST CLOSE DURING A FIRE ALARM.
5. ADDRESSABLE RELAY TO ACTIVATE DURING AN ALARM IN EITHER THE STORAGE OR DRY PROCESS AREA AND CONTROL THE DOOR HOLD OPEN DEVICE. MAN DOOR MUST CLOSE DURING A FIRE ALARM.
6. ACTIVATE STROBE WHEN THERE IS AN ALARM IN THE DRY PROCESS AREA.
7. ACTIVATE STROBE WHEN THERE IS AN ALARM IN THE WET PROCESS AREA.
8. RACK TO INCLUDE IN RACK SMOKE AND HYDROGEN DETECTION AS SHOWN IN DETAIL.
9. ASPIRATING SMOKE DETECTOR WITH HYDROGEN DETECTION. PROVIDE SAMPLING PORTS ON FIRST AND THIRD SHELVES BELOW SHEET METAL BARRIER AND ABOVE BATTERY BINS.
10. ACTIVATE SPEAKER STROBE ON A GENERAL FIRE ALARM.
11. ACTIVATE SPEAKER STROBE ON A WATERFLOW ALARM FROM THE ADJACENT SPRINKLER RISER.
12. SPEAKER STROBE ASSOCIATED TO ASPIRATING SMOKE DETECTOR. PROGRAM FIRE ALARM SYSTEM TO ACTIVATE SPEAKER STROBE UPON AN ALARM FROM THE ASSOCIATED ASPIRATING SMOKE DETECTOR.
13. FLAME DETECTOR TO HAVE A FIELD OF VIEW THAT INCLUDES ONE SIDE OF THE STORAGE RACK.
14. FORK TRUCK CHARGING STATION. THIS CHARGING STATION WILL USE FORK TRUCKS THAT ARE POWERED FROM BOTH LITHIUM ION AND LEAD ACID BATTERIES. IT WILL BE MONITORED WITH BOTH RADIANT ENERGY FLAME DETECTORS AND HYDROGEN GAS DETECTION.
15. RADIANT ENERGY FLAME DETECTOR TO MONITOR THE FORK TRUCK CHARGING STATION IN NOTE 14.
16. HYDROGEN GAS DETECTOR TO MONITOR THE FORK TRUCK CHARGING STATION IN NOTE 14.

SSOE

CONSULTANTS:

Issued For
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www.ssoe.com

SEAL ON THIS DOCUMENT AUTHORIZED BY:

APPLY STAMP IN BLUEBEAM

PROJECT INFORMATION:

BROWNFIELD MODIFICATIONS

CLIENT INFORMATION:

ASCEND ELEMENTS

ASCEND ELEMENTS
9172 INDUSTRIAL DR NE
COVINGTON, GA
30014

CLIENT PROJECT NO: XXX-XXXXX-XX

NO.	DATE	SUBJECT
C	10/11/22	ISSUED FOR BULLETIN 2
B	07/22/22	ISSUED FOR BULLETIN 1
A	06/06/22	ISSUED FOR IFC

REVISION OR ISSUE

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PROJECT NO: 021-01975-00
PROJECT MANAGER: R. FOX
DESIGNED: J. DELANEY
CHECKED: M. SMITH

DRAWING TITLE:
FIRE ALARM STORAGE FLOOR PLAN

DRAWING NO:
TF-103

BIM 360://Battery Resources Brownfield Modifications/021019750O_T20_SSOE.rvt
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