



Limited Good Faith Survey

September 11, 2023

Post-IAF Airline Realignment (N00030)

Packages 1, 2, and 3

Seattle-Tacoma International Airport – North Satellite

17801 International Blvd, Seattle, WA 98158

Executive Summary

A limited “good faith” survey was performed in support of Packages 1, 2, and 3 of the Post-IAF Airline Realignment Project (N00030). The current survey was performed by Port Construction Services (PCS). Previous surveys were performed by PCS, Terracon Consultants, Inc. (formerly Argus Pacific, Inc.), and Wood (formerly AMEC Foster Wheeler that included portions of the Post-IAF Airline Realignment Project Area. Results of this survey and referenced surveys are summarized below. The previous survey reports are included as attachments.

No new sampling was conducted by PCS for this survey. This survey combines the information from the previous survey reports listed above to satisfy the requirements of this project.

Asbestos

The following materials were found to contain asbestos during the previous surveys. See Figures 1-3 and additional information in the previous reports (attached).

Material	Material Location	Asbestos Content
South Satellite Ramp Level		
Fireproofing overspray and debris	Wall cavities in South Satellite work area See Figure 2	PACM
Block filler sealant	CMU walls in South Satellite work area See Figure 1	PACM

Lead

See the attached reports for information about general locations of lead-containing paint in the Project Area.



Introduction

A limited “good faith” survey was performed in support of Packages 1, 2, and 3 of the Post-IAF Airline Realignment Project (N00030).

This current survey report was compiled by the following Asbestos Hazard Emergency Response Act (AHERA) Building Inspector:

- Scott Rinear, Port Construction Services (PCS)
Certification Number: 185071, Expiration: 5/11/2023
Email: rinear.s@portseattle.org
Cell: (206) 351-3121

Methods

Asbestos

This survey was conducted in accordance with the requirements of Washington Administrative Code (WAC) 296-62-07721 and Puget Sound Clean Air Agency (PSCAA) Regulation III, Article 4, Section 4.02. Suspect asbestos-containing materials were sampled in accordance with AHERA sampling guidelines (40 CFR 763.86) and analyzed by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory using polarized light microscopy (PLM) by United States Environmental Protection Agency (EPA) Method 600.

Lead

This lead sampling was performed in order to facilitate compliance with the Washington State Department of Labor & Industries (L&I) lead standard for the construction industry (WAC 296-155-176) during demolition and construction. Representative chip samples of suspect lead-containing paints were collected and analyzed by an American Industrial Hygiene Association (AIHA) accredited laboratory using flame atomic absorption spectroscopy by EPA Method 7000B.

Previous Surveys

Portions of the Project Areas in Packages 1, 2, and 3 of the Post-IAF Airline Realignment Project were surveyed for previous Port projects. The following reports, in combination, are being used to comprise the Good Faith Survey for this current project:

- Regulated Building Materials Assessment Report, South Satellite (Argus Pacific, 2013)
Appendix A
NOTE: A more current Good Faith Survey report for the South Satellite is in progress but not completed yet. The 2013 full-building report is still appropriate for the South Satellite Ramp Level work area within the Post-IAF Airline Realignment Project Area.
- Limited Good Faith Inspection, Concourse B Roof (PCS, 2016)
Appendix B
NOTE: Addresses the B Concourse Roof work areas. No asbestos materials were found during this previous survey.

- Regulated Materials Assessment Report, Gate Improvements Project (Argus Pacific, 2012)
Appendix C
NOTE: Addresses the B Concourse Ramp Level work areas. No asbestos materials were found during this previous survey.
- Limited Good Faith Asbestos-Containing Materials Survey, South Terminal Expansion Project (STEP) – Completion Survey (AMEC, 2006)
Appendix D
NOTE: Addresses the A Concourse work areas. No asbestos materials were found during this previous survey.

The combination of these previous reports is intended to meet the “good faith” inspection requirements of WAC 296-62-07721. The previous survey reports are included as an attachment to this report.

Recommendations

Asbestos

Asbestos-containing material (ACM) and presumed asbestos-containing material (PACM) that may be impacted by demolition/renovation activities must be removed by a licensed asbestos abatement contractor prior to disturbance. The asbestos work must be performed in compliance with Washington State worker protection and environmental protection regulations. See WAC 296-62, WAC 296-65, and Puget Sound Clean Air Agency Regulation III, Article 4 for additional information.

Lead

Materials that have been shown to contain detectable levels of lead are regulated by L&I due to the potential for occupational exposure to lead if these materials are disturbed. Necessary precautions (e.g., exposure assessments, respiratory protection) must be taken to prevent or minimize worker exposure to lead, as outlined in WAC 296-155-176. Demolition waste that contains lead must be characterized and disposed in accordance with the provisions of the Dangerous Waste Regulations (WAC 173-303).

Limiting Conditions

This survey was limited to observation, minimal destructive sampling, and analysis of suspect building materials in accessible portions of the Post-IAF Airline Realignment Project Areas that may be impacted by construction. Common construction techniques render portions of any building inaccessible; as a result, additional asbestos-containing building materials may be present in inaccessible areas of the building that were not observed during the survey. Inaccessible areas should be presumed to contain asbestos or lead-containing paint until extensive destructive sampling is performed in those areas. In addition, any suspect materials that were not sampled during the referenced survey activities should be presumed to contain asbestos and lead until otherwise indicated by sampling and analysis.

Limitations of the Assessment

The conclusions of this report are based solely upon visual site observations and interpretations of laboratory analyses, as described in this report. The opinions presented herein apply to the site conditions existing at the time of the investigation and interpretation of current regulations pertaining to asbestos and lead-containing paint. Therefore, these opinions and recommendations may not apply to future conditions that may exist at the site which we have not had the opportunity to evaluate. All applicable state, federal, and local regulations should always be verified prior to any work that will disturb materials containing asbestos and lead.

This survey report is not intended to replace specifications or bidding documents, and should not be used as such. Material quantities are estimates only, and are not intended for bidding purposes. Contractors are responsible for verifying quantities prior to bid.

Attachments

Figures

Previous Survey Reports (Appendices A through D)

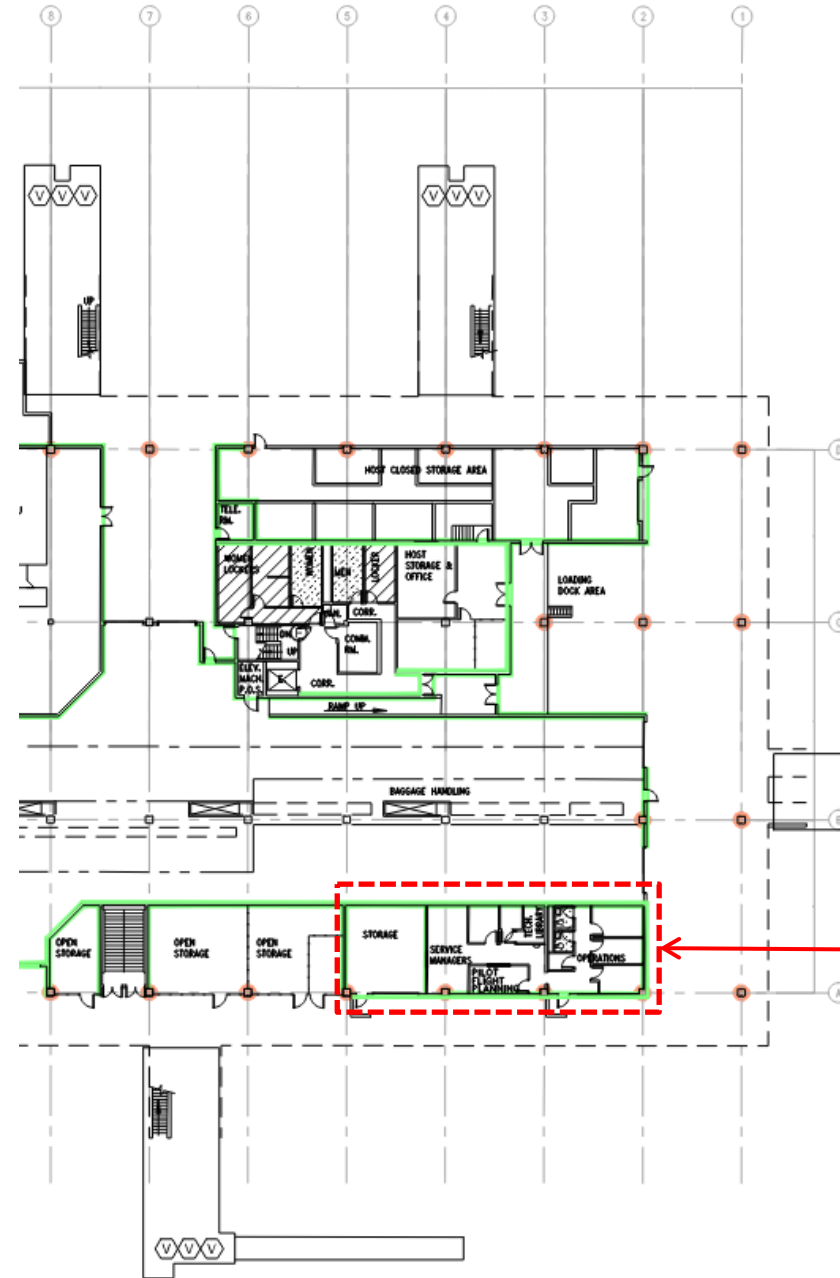
Figures

LEGEND (RAMP LEVEL - FIREPROOFING):

- GREY ASBESTOS-CONTAINING COATING/SEALANT ON PAINTED INTERIOR AND EXTERIOR CMU WALLS
HSA IDS: R31, R32
- GREY ASBESTOS-CONTAINING COATING/SEALANT ON CONCRETE STRUCTURAL COLUMNS (INTERIOR AND EXTERIOR SIDES IN MOST PLACES)
HSA ID: R38
- P METAL AND WOOD-CLAD FIRE DOORS (ASSUMED ACM)
HSA ID: R45
- 12" x 12" ASBESTOS-CONTAINING BROWN VINYL FLOOR TILES AND BLACK ASBESTOS-CONTAINING MASTIC (TILE AND MASTIC)
HSA ID: R47
- F GREY ASBESTOS-CONTAINING SEALANT AT FLANGE SEAMS OF LARGE AIR HANDLING UNIT
HSA ID: R55
- BLACK ASBESTOS-CONTAINING MASTIC BEHIND NON-ACM RUBBER COVE BASE
HSA ID: R91
- BLACK ASBESTOS-CONTAINING MASTIC BELOW NON-ACM VINYL FLOOR TILES AND CARPET
HSA ID: R103, R104
- FIREPROOFING OVERSPRAY AND DEBRIS BELOW CERAMIC TILE FLOORING IN RESTROOMS
HSA ID: R107
- V BLACK ASBESTOS-CONTAINING SEALANT ASSOCIATED WITH BOX VENTS ON BRIDGE NODE ROOFS
HSA ID: GISS-8
- ▲ GREY ASBESTOS-CONTAINING CAULKING ASSOCIATED WITH NON-ACM BLACK CAULKING AT ONE EXTERIOR OVERHANG SEAM
HSA ID: GISS-10

NOTE: GASKETS AND VALVE PACKINGS THROUGHOUT MAJORITY OF MECHANICAL PIPING FLANGES AND VALVES (NOT SHOWN) THAT WERE NOT SAMPLED ARE ASSUMED TO CONTAIN ASBESTOS (HSA ID: R57)

- NOTE:**
1. SEE FIGURE 2.5 FOR UNIVERSAL WASTES AND PCB CAULKING AT RAMP LEVEL.
 2. PAINTS CONTAINING LEAD, BARIUM, CHROMIUM, AND MERCURY HAVE BEEN IDENTIFIED IN THE PROJECT AREA. SEE SECTIONS 4, 5, AND 6 IN THE REGULATED BUILDING MATERIALS ASSESSMENT REPORT.



South Satellite Project Area

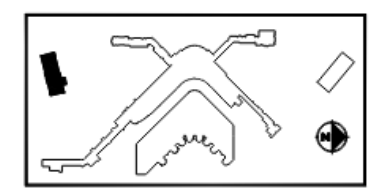
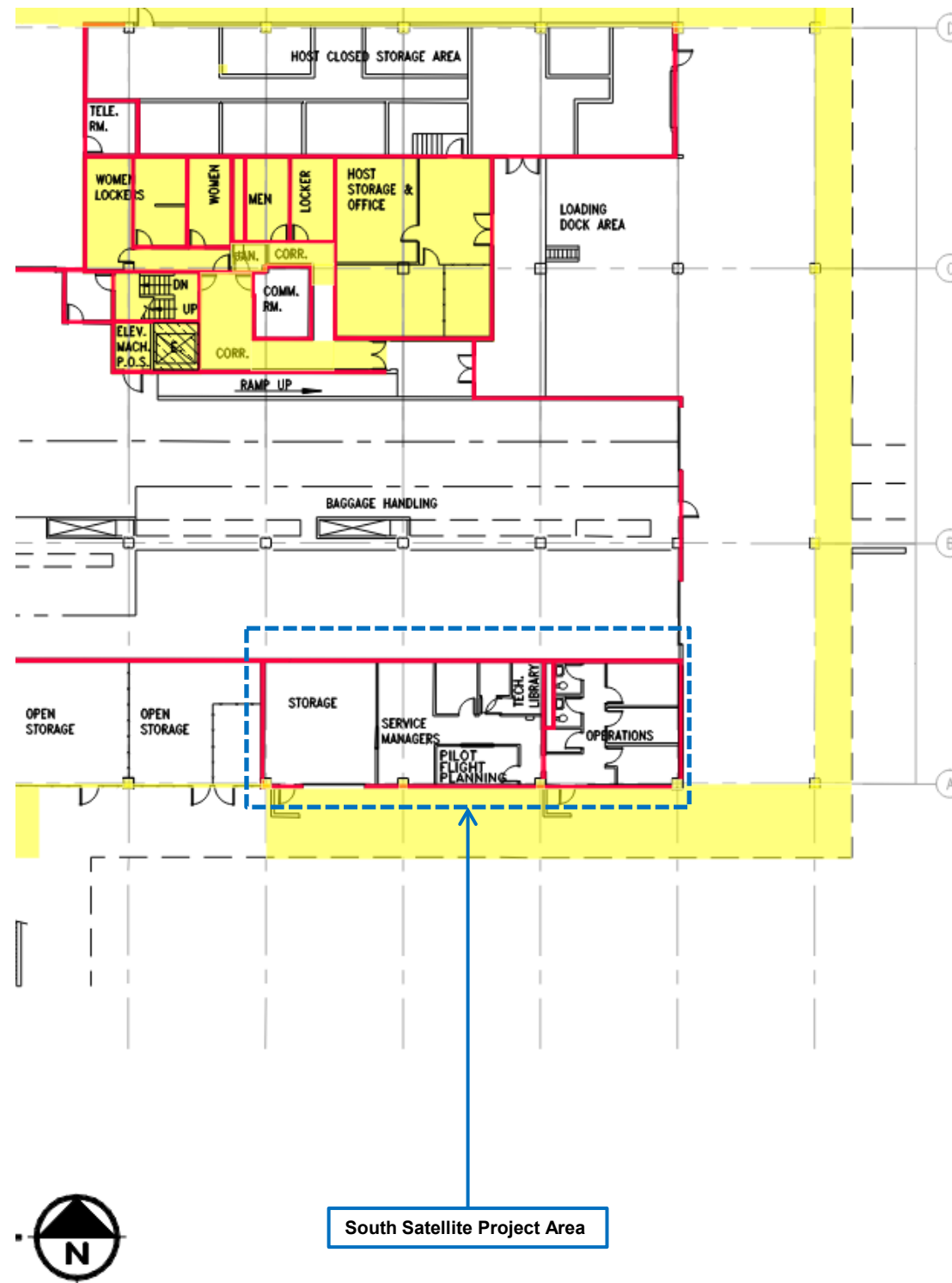





Figure 1
**South Satellite Ramp Level
Asbestos Material Locations**





LEGEND:

- 
 BEIGE ASBESTOS-CONTAINING SPRAY-APPLIED FIREPROOFING AND FIREPROOFING OVERSPRAY AND DEBRIS
 HSA ID: C1
 WHERE SHOWN ON DRAWING, MATERIAL IS PRESENT AT THE FOLLOWING LOCATIONS:
 - FIREPROOFING ON STRUCTURAL STEEL I-BEAMS AND CORRUGATED METAL PAN-DECKING AT CEILING OR ABOVE SUSPENDED CEILINGS AND EXTERIOR OVERHANG CEILINGS
 - OVERSPRAY AND DEBRIS ON BACKSIDE OF SUSPENDED CEILINGS, EXTERIOR OVERHANG CEILING, LIGHT FIXTURES, AND MECHANICAL AND ELECTRICAL COMPONENTS
 - OVERSPRAY AND DEBRIS IN MECHANICAL SHAFTS AND CHASES

- 
 BEIGE ASBESTOS-CONTAINING FIREPROOFING OVERSPRAY AND DEBRIS THROUGHOUT ORIGINAL GYPSUM BOARD WALL CAVITIES AND AT TOP SECTION OF CMU WALL CAVITIES; ALSO AT CEILING BETWEEN I-BEAMS AT COLUMN LINE 9 EXPANSION JOINT
 HSA ID: R107

- 
 FIREPROOFING ON BEAMS AND FIREPROOFING OVERSPRAY AND DEBRIS ON ELEVATOR HOISTWAY WALLS AND BEHIND GYPSUM WALLS LINING ELEVATOR HOISTWAY (ELEVATORS SSB AND SSC)
 HSA IDS: SSB/C-11, SSB/C-12

- 
 FIREPROOFING ON BACKSIDE OF I-BEAMS IN ELEVATOR HOISTWAY AND FIREPROOFING OVERSPRAY AND DEBRIS BEHIND GYPSUM WALLS LINING ELEVATOR SHAFT (ELEVATOR SSAF)
 HSA ID: R107

- 
 RESIDUAL ASBESTOS-CONTAINING FIREPROOFING WAS FOUND AT THIS APPROXIMATE LOCATION ASSOCIATED WITH NON-ACM SEALANT ON METAL DUCTING BEHIND NON-ACM DUCT INSULATION (DUCTING IS NEAR CEILING)
 (DUCTING IS NEAR CEILING)
 SEE SAMPLE ID: SSHVAC-R21-01

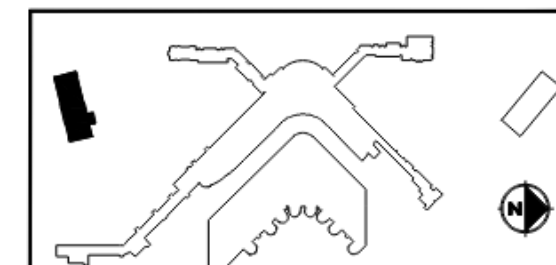


Figure 2
South Satellite Ramp Level
Asbestos Material Locations – Fireproofing

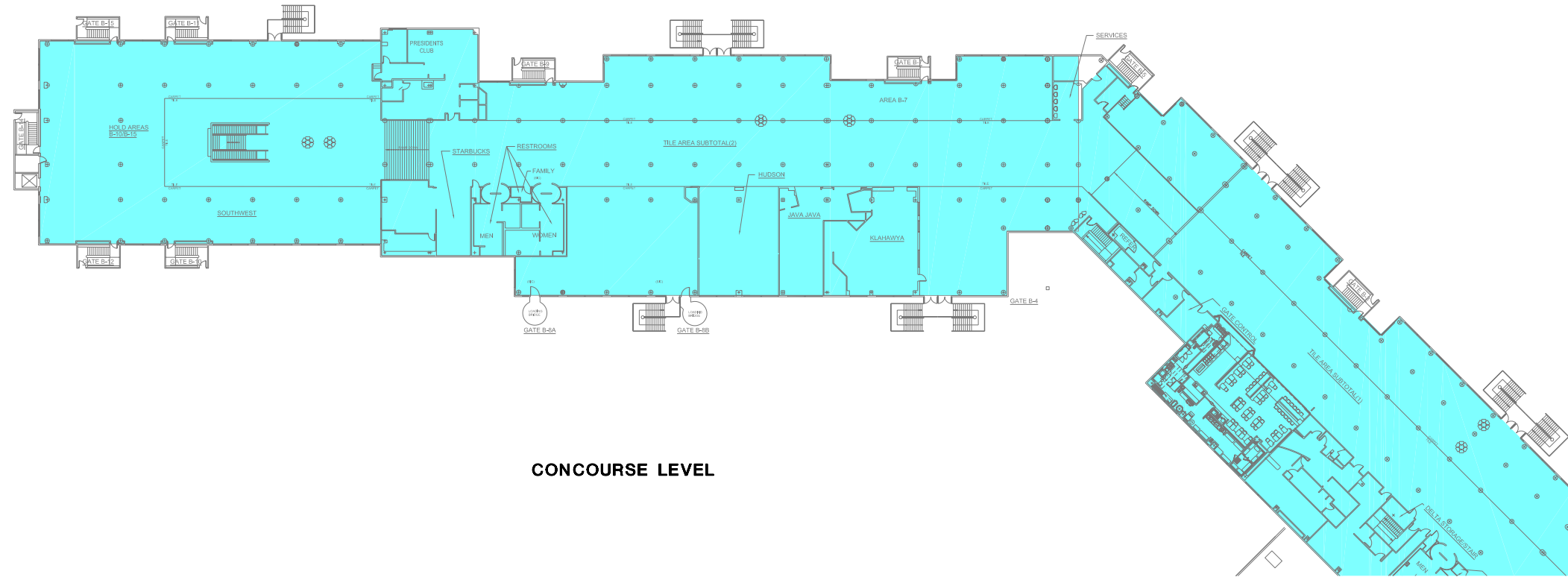
Figure 3

LEGEND:

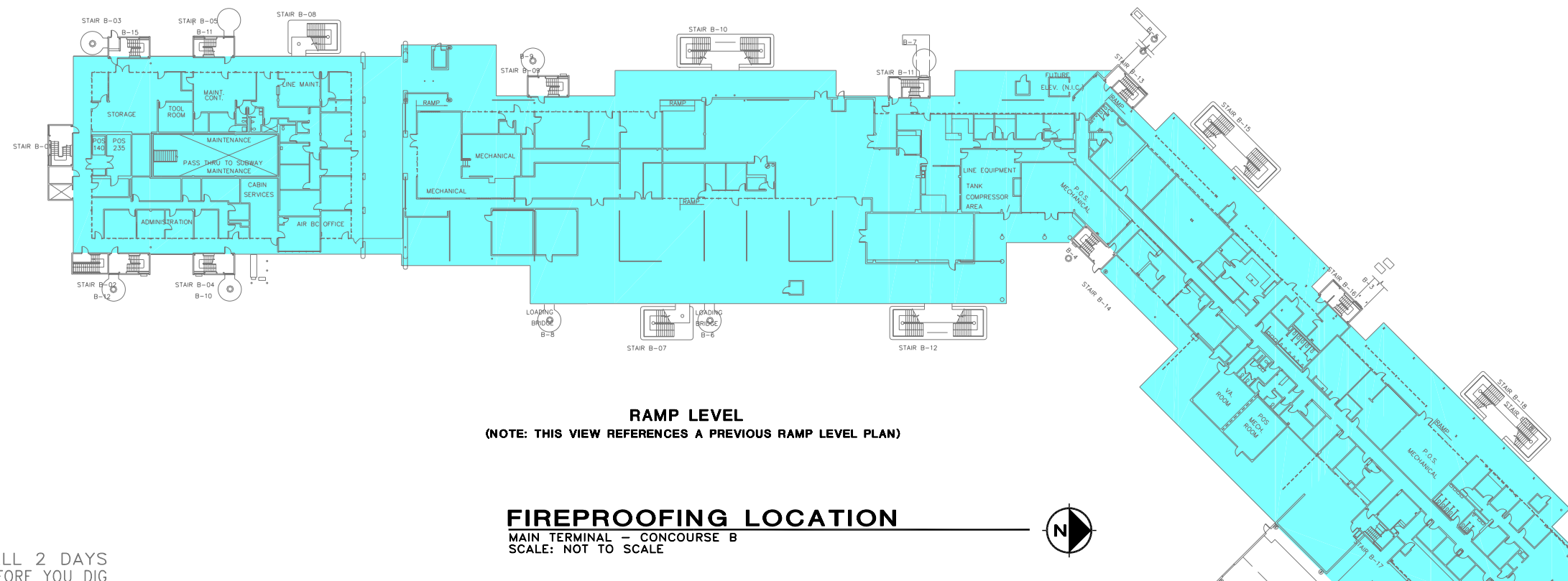
NO ACM
FIREPROOFING

SHEET NOTES:

1. THE DRAWINGS SHOW THE APPROXIMATE EXTENT OF ASBESTOS-CONTAINING FIREPROOFING ABOVE CEILINGS.
2. THERE MAY BE OTHER TYPES OF ASBESTOS-CONTAINING MATERIALS (ACM) IN ALL AREAS SUCH AS PIPE INSULATION AND FLOOR TILE.
3. THERE MAY BE ASBESTOS-CONTAINING FIREPROOFING ON OTHER SURFACES IN THE AREA SUCH AS INSIDE WALL CAVITIES, AND ON HORIZONTAL SURFACES OF HVAC, PIPING, CONDUITS, ETC.
4. THESE DRAWINGS ARE NOT INTENDED TO REPLACE A "GOOD FAITH SURVEY" THAT MAY BE REQUIRED FOR RENOVATION, DEMOLITION, MAINTENANCE AND CONSTRUCTION ACTIVITIES.
5. THESE DRAWINGS ARE ONLY INTENDED AS A BASIC GUIDELINE TO BE USED FOR MINOR MAINTENANCE ACTIVITIES AND INSPECTIONS ABOVE CEILINGS.
6. EXTREME CAUTION SHOULD BE USED IN BORDERLINE AREAS.
7. IF YOU HAVE ACM-RELATED EMERGENCIES, CALL THE HOT PHONE AT 206-953-7419. OTHERWISE, FOR QUESTIONS CONCERNING ACM RELATED TO A PARTICULAR PROJECT, CALL THOM ERWIN AT 206-787-5390.

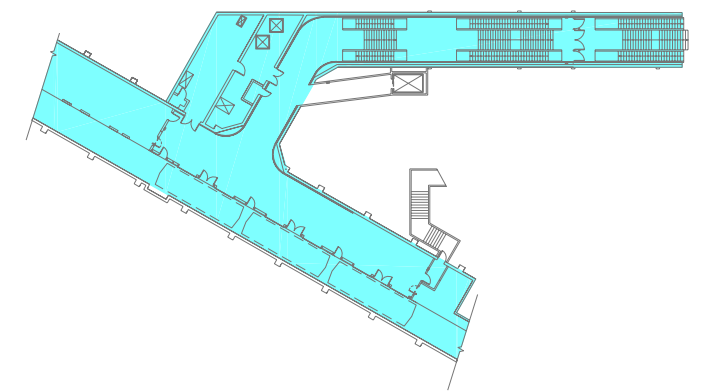


CONCOURSE LEVEL



RAMP LEVEL

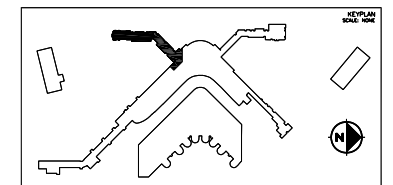
(NOTE: THIS VIEW REFERENCES A PREVIOUS RAMP LEVEL PLAN)



STS LEVEL

FIREPROOFING LOCATION

MAIN TERMINAL - CONCOURSE B
SCALE: NOT TO SCALE



CALL 2 DAYS
BEFORE YOU DIG
1-800-424-5555

ARGUS PACIFIC
ARGUS PACIFIC
1900 WEST NICKERSON STREET
SEATTLE, WASHINGTON 98119-1850
PH (206) 285-3373 FAX (206) 285-3927

PROJECT ENGR./ARCH:
DESIGNER:
DRAWN BY:
SCALE:
DATE:
CHECKED BY:
CHECKED/APPROVED BY:



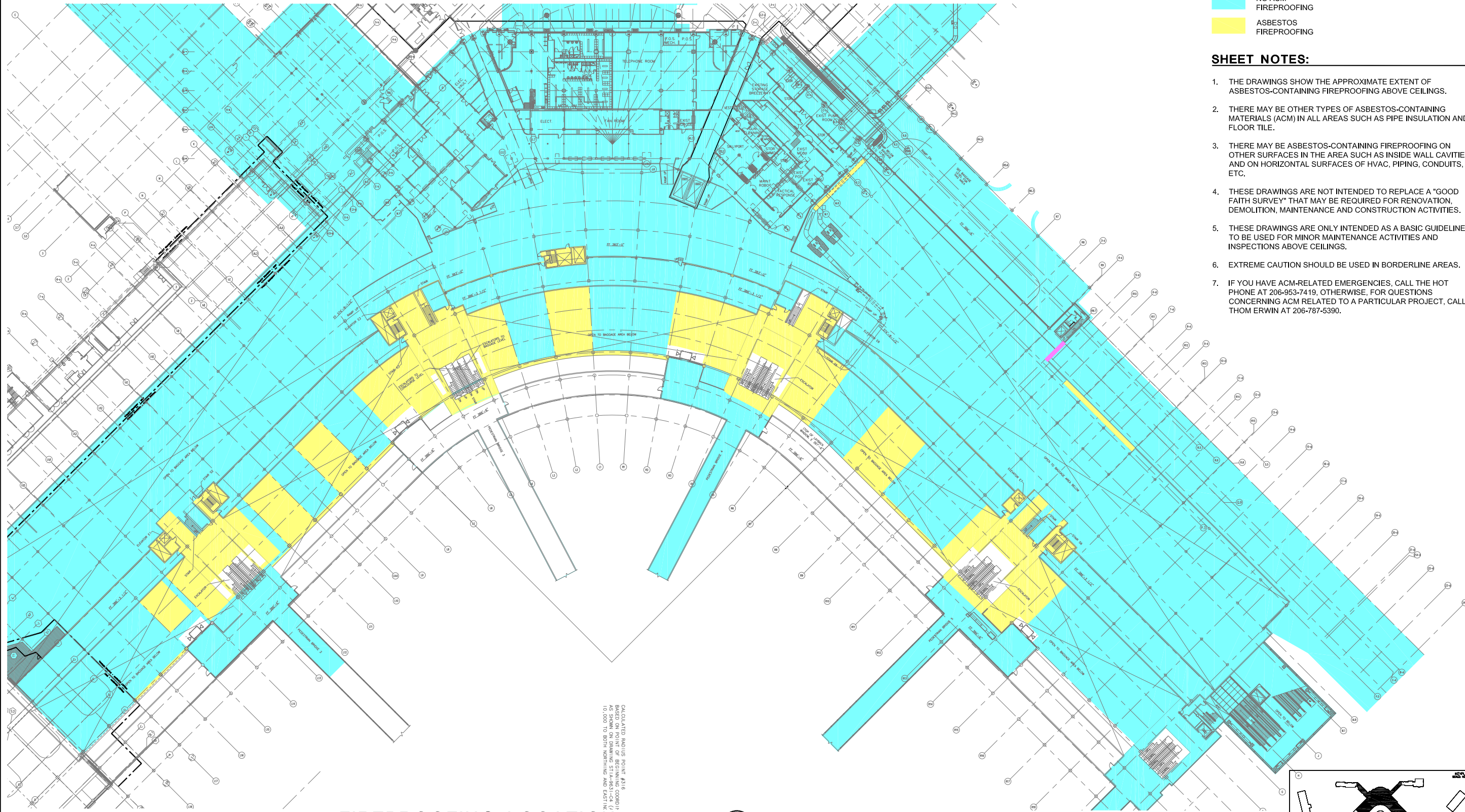
REVISIONS									
NO.	DATE	BY	DESCRIPTION	APP'D	NO.	DATE	BY	DESCRIPTION	APP'D

PROJECT MANAGER:
PROJECT ENGINEER:
DESIGN ENGINEER:
DRAFTER:
SCALE:
DATE:
CHECKED/APPROVED BY:

Port of Seattle
SEA-TAC INTERNATIONAL AIRPORT
PROJECT: **ACM FIREPROOFING LOCATION DRAWING**
SHEET TITLE: **MAIN TERMINAL - CONCOURSE B - STS, RAMP & CONCOURSE LEVELS**

PROJECT ID NO.
104259
SHEET NO.
MT-07
PORT OF SEATTLE NO.
STIA-03xx

Figure 4



LEGEND:

- NO ACM FIREPROOFING
- ASBESTOS FIREPROOFING

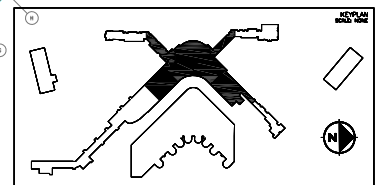
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FIREPROOFING LOCATION
 MAIN TERMINAL - BRIDGE & RAMP LEVEL
 SCALE: NOT TO SCALE

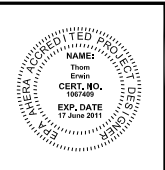
CALCULATED RADIUS POINT #18 CORNER
 AS SHOWN ON DRAWING STA-1831-10A (L)
 10,000 TO BOTH NORTHING AND EASTING

CALL 2 DAYS BEFORE YOU DIG
 1-800-424-5555



ARGUS PACIFIC
 ARGUS PACIFIC
 1800 WEST NICKERSON STREET
 SEATTLE, WASHINGTON 98119-1850
 PH (206) 285-3373 FAX (206) 285-3927

PROJECT ENGR./ARCH:
 DESIGNER:
 DRAWN BY:
 G. CASTILLO
 SCALE:
 N.T.S.
 DATE:
 07/31/10
 CHECKED BY:
 S. PARKER
 CHECKED/APPROVED BY:
 T. ERWIN



REVISIONS									
NO.	DATE	BY	DESCRIPTION	APP'D	NO.	DATE	BY	DESCRIPTION	APP'D

PROJECT MANAGER:
 PROJECT ENGINEER:
 DESIGN ENGINEER:
 DRAFTER:
 SCALE:
 DATE:
 CHECKED/APPROVED BY:

Port of Seattle
 SEA-TAC INTERNATIONAL AIRPORT
 PROJECT: **ACM FIREPROOFING LOCATION DRAWING**
 SHEET TITLE: **MAIN TERMINAL BRIDGE & RAMP LEVEL**

PROJECT ID NO.
 104259
 SHEET NO.
 MT-03
 PORT OF SEATTLE NO.
 STIA-03xx

**Previous Survey Reports
(Attached as separate PDFs)**