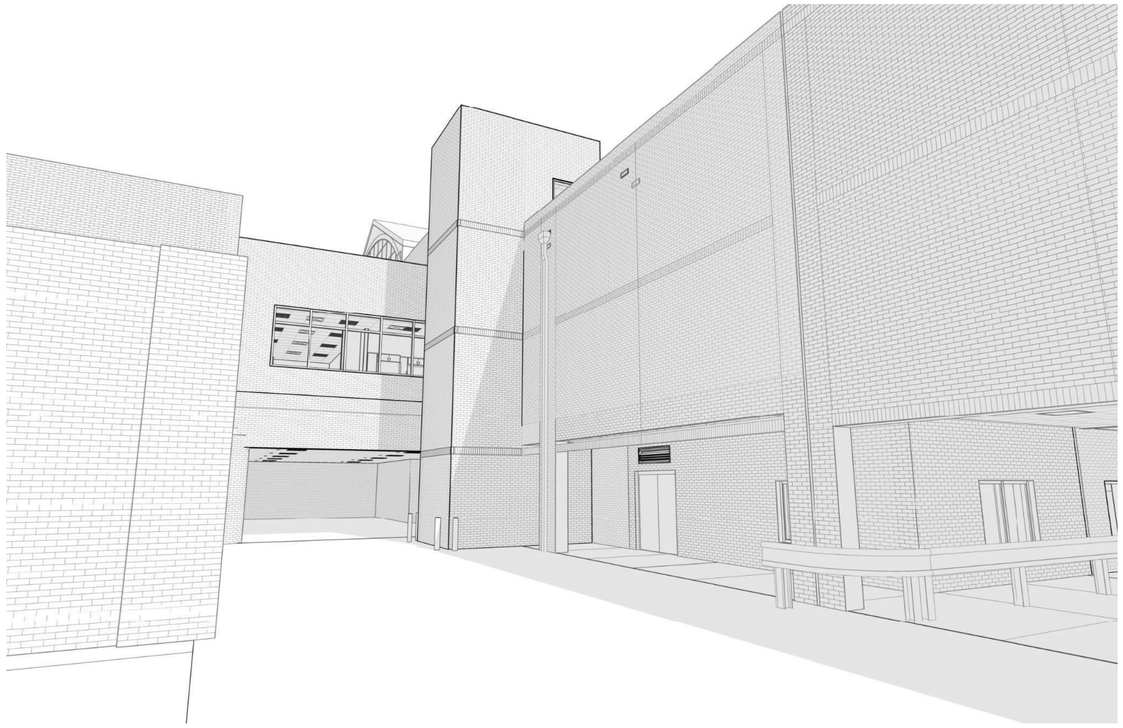
# ILM TERMINAL IMPROVEMENTS CONTRACT 4

# BREAKROOM AND RAMP ACCESS



**WILMINGTON INTERNATIONAL AIRPORT**
**1740 AIRPORT BOULEVARD, SUITE 12**
**WILMINGTON, NC 28405**

**MARCH 28, 2024**

## GENERAL

| REV. | CURRENT REVISION DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 1 | 03/28/2024 | 03/28/2024 | G1-000 | COVER SHEET |
| 1 | 03/28/2024 | 03/28/2024 | G1-002 | APPENDIX B |
| 1 | 03/28/2024 | 03/28/2024 | G1-003 | PARTITION TYPES AND NOTES |
| 1 | 03/28/2024 | 10/13/2023 | LS-001 | EXISTING LIFE SAFETY - RAMP LEVEL |
| 1 | 03/28/2024 | 10/13/2023 | LS-002 | EXISTING LIFE SAFETY TICKET / BOARDING LEVEL |
| 1 | 03/28/2024 | 10/13/2023 | LS-003 | EXISTING LIFE SAFETY ADMIN LEVEL |

## CIVIL

| REV. | CURRENT REVISION DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| | | 03/28/2024 | C-BD-54a | BREAK ROOM AND RAMP LEVEL ACCESS- SAFETY AND ACCESS PLAN |
| | | 03/28/2024 | C-BD-54b | BREAK ROOM AND RAMP LEVEL ACCESS- CIVIL DEMOLITION AND PROPOSED |
| | | 03/28/2024 | C-BD-54c | BREAK ROOM AND RAMP LEVEL ACCESS- CIVIL GRADING PLAN |

## STRUCTURAL

| REV. | CURRENT REVISION DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| | | 03/15/2024 | S2-151 | ELEVATOR PLANS |
| | | 03/28/2024 | S2-151D | ELEVATOR DEMO PLANS |
| | | 03/15/2024 | S2-152 | ELEVATOR SECTIONS AND DETAILS |
| | | 03/28/2024 | S2-153 | ELEVATOR SECTIONS AND DETAILS |
| | | 03/28/2024 | S2-154 | ELEVATOR SECTIONS AND DETAILS |

## ARCHITECTURAL

| REV. | CURRENT REVISION DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 1 | 03/28/2024 | 02/16/24 | A2-117 | RAMP LEVEL FLOOR PLAN ZONE 3 |
| 1 | 03/28/2024 | 02/16/24 | A2-134 | ADMIN LEVEL FLOOR PLAN ZONE 3 |
| 1 | 03/28/2024 | 03/28/2024 | AD-451 | ENLARGED DEMOLITION PLANS |
| 1 | 03/28/2024 | 03/28/2024 | A2-451 | ENLARGED ELEVATOR FLOOR PLANS |
| 1 | 03/28/2024 | 03/28/2024 | A2-452 | ENLARGED ELEVATOR CEILING PLANS |
| 1 | 03/28/2024 | 03/28/2024 | A2-461 | ELEVATOR ELEVATIONS |
| 1 | 03/28/2024 | 03/28/2024 | A2-462 | ELEVATOR SECTIONS |
| 1 | 03/28/2024 | 03/28/2024 | A2-463 | SECTION DETAILS |
| 1 | 03/28/2024 | 03/28/24 | A4-001 | INTERIOR ELEVATIONS |
| 1 | 03/28/2024 | 03/28/24 | A6-001 | DOOR SCHEDULE AND DETAILS |
| 3 | 03/28/2024 | 6/28/2019 | A-661 | FINISH LEGEND |

## FIRE PROTECTION

| REV. | CURRENT REVISION | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 1 | 03/28/2024 | 02/16/2024 | FD2-113 | SCHEDULE 2- RAMP LEVEL DEMO PLAN ZONE 3 FIRE PROTECTION |
| 2 | 03/28/2024 | 02/16/2024 | FD2-130 | SCHEDULE 2- ADMIN LEVEL DEMO PLAN FIRE PROTECTION |
| 1 | 03/28/2024 | 02/16/2024 | F2-113 | SCHEDULE 2- RAMP LEVEL PLAN ZONE 3 FIRE PROTECTION |
| 3 | 03/28/2024 | 02/16/2024 | F2-130 | SCHEDULE 2- ADMIN LEVEL PLAN FIRE PROTECTION |

## PLUMBING

| REV. | CURRENT REVISION | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 2 | 03/28/2024 | 02/16/2024 | P2-001 | PLUMBING LEGEND, SCHEDULES AND DETAILS |
| 1 | 03/28/2024 | 02/16/2024 | P2-202 | ENLARGED FINANCE ELEVATOR |

## MECHANICAL

| REV. | CURRENT REVISION DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 1 | 03/28/2024 | 02/16/2024 | MD2-130 | SCHEDULE 2- ADMIN LEVEL- MECHANICAL PLAN- DEMOLITION |
| 2 | 03/28/2024 | 02/16/2024 | M2-113 | SCHEDULE 2- RAMP LEVEL MECHANICAL PLAN- ZONE 3 |
| 1 | 03/28/2024 | 02/16/2024 | M2-130 | SCHEDULE 2- ADMIN LEVEL MECHANICAL PLAN- RENOVATION |

## ELECTRICAL

| REV. | CURRENT REVIEW DATE | ORIGINAL ISSUANCE DATE | SHEET NO. | SHEET NAME |
|---|---|---|---|---|
| 10 | 03/28/2024 | 06/28/19 | E-002 | ELECTRICAL LEGENDS |
| | 03/28/2024 | 10/13/2023 | ED2-211 | SCHEDULE 2- ELECTRICAL ADMIN LEVEL DEMOITION PLAN |
| 6 | 03/28/2024 | 6/28/2019 | E2-115 | SCHEDULE 2- ELECTRICAL RAMP LEVEL POWER PLAN ZONE 5 |
| 1 | 03/28/2024 | 03/28/2024 | E2-125 | SCHEDULE 2- ELECTRICAL RAMP LEVEL LIGHTING PLAN ZONE 3 |
| 1 | 03/28/2024 | 03/28/2024 | E2-135 | SCHEDULE 2- RAMP LEVEL AUXILIARY SYSTEMS PLAN ZONE 5 |
| | 03/28/2024 | 03/27/24 | E2-173 | ELECTRICAL ROOF PLAN ZONE 3 |
| 2 | 03/28/2024 | 10/13/2023 | E2-211 | SCHEDULE 2- ELECTRICAL ADMIN LEVEL POWER PLAN |
| | 03/28/2024 | 03/27/24 | E2-222 | ELECTRICAL ADMIN LEVEL LIGHTING PLAN |
| 2 | 03/28/2024 | 10/13/2023 | E2-231 | SCHEDULE 2- ELECTRICAL ADMIN LEVEL AUXILIARY SYSTEMS PLAN |
| 5 | 03/28/2024 | 6/28/2019 | E-601 | ELECTRICAL LUMINAIRES SCHEDULE |
| 2 | 03/28/2024 | 6/28/2019 | E-605 | ELECTRICAL PANEL SCHEDULES |

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

THE WILSON GROUP ARCHITECTS · REGISTERED ARCHITECTURAL CORPORATION · CERT. NO. 51140 · NORTH CAROLINA · CHARLOTTE, N.C.

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THE WILSON GROUP
- ARCHITECTS -

**PO Box 5510 Charlotte, NC 28299**
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PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

STRUCTURAL ENGINEER
STEWART

FP/P/M/E ENGINEER
CHEATHAM & ASSOC.



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REVISIONS

1 03/28/2024 BD-054

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

COVER SHEET

SHEET NUMBER

G1-000

## 2018 APPENDIX B
## BUILDING CODE SUMMARY
## FOR ALL COMMERCIAL PROJECTS
**(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)**
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Wilmington International Airport (ILM) Terminal Improvements Contract 4
Address: 1740 Airport Boulevard, Suite 12, Wilmington, NC Zip Code 28405___
Owner/Authorized Agent: Granseur Dick _Phone # ( 980 ) 341 – 4333x1016 E-Mail gdick@flyilmnm.com
Owned By: ☒ City/County ☐ Private ☐ State
Code Enforcement Jurisdiction: ☐ City_____ ☒ County New Hanover ☐ State

**CONTACT:** Travis Pence, The Wilson Group_____

| DESIGNER | FIRM | NAME | LICENSE # | TELEPHONE # | E-MAIL |
|---|---|---|---|---|---|
| Architectural | The Wilson Group_ | Travis Pence | 9272 | (704) 331-9747 | travis@twgarchitects.com |
| Civil | | | | | |
| Electrical | Cheatam & Assoc | Mark Ciarrocca_ | 17593 | (910) 452-4210 | mciarrocca@cheathampa.com |
| Fire Alarm | | | | (___)_____ | |
| Plumbing | Cheatam & Assoc | Casey Gilman | 43164 | (910) 452-4210 | cgilman@cheatampa.com |
| Mechanical | Cheatam & Assoc | Casey Gilman | 43164 | (910) 452-4210 | cgilman@cheatampa.com |
| Sprinkler-Standpipe | | | | (___)_____ | |
| Structural | Stewart_____ | Brian Karn | 048673__ | (704) 343-7925_ | bkarn@stewartinc.com |
| Retaining Walls >5' High | | | | (___)_____ | |
| Other | | | | (___)_____ | |

("Others" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

**2018 NC CODE FOR:** ☐ New Construction ☒ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/Core
☐ Phased Construction – Shell/Core
☐ Renovation

**2018 NC EXISTING BUILDING CODE:** ☐ Prescriptive ☐ Repair ☐ Chapter 14
**Alteration:** ☐ Level I ☐ Level II ☐ Level III
☐ Historic Property ☐ Change of Use

**CONSTRUCTED**:(date) ____1989____ **ORIGINAL OCCUPANCY(S)** (Ch. 3):A-3_____
**RENOVATED:** (date) __2023_____ **CURRENT OCCUPANCY(S)** (Ch. 3): A-3_____
**RISK CATEGORY (table 1604.5)** **Current:** ☐ I ☐ II ☒ III ☐ IV
**Proposed:** ☐ I ☐ II ☒ III ☐ IV

**BASIC BUILDING DATA**
**Construction Type:** ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☒ II-B ☐ III-B ☐ V-B
**Sprinklers:** ☐ No ☐ Partial ☒ Yes ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
**Standpipes:** ☐ No ☐ Yes Class☒ I ☐ II ☐ III ☒ Wet ☐ Dry
**Fire District:** ☒ No ☐ Yes (Primary) **Flood Hazard Area:** ☒ No ☐ Yes
Special Inspections Required: ☐ No ☒ Yes



**Gross Building Area:**

| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | RENO/ALTER (SQ.FT) | SUB-TOTAL |
|---|---|---|---|---|
| 6th Floor | | | | |
| 5th Floor | | | | |
| 4th Floor | | | | |
| 3rd Floor | 8,213 | 240 | 341 | 8,453 |
| 2nd Floor | 107,881 | 78 | 0 | 107,959 |
| Mezzanine | | | | |
| 1st Floor | 71,869 | 167 | 0 | 72,036 |
| Basement | | | | |
| TOTAL | 187,863 | | | 188,448 |

**ALLOWABLE AREA**

**Primary Occupancy Classification: SELECT ONE**
Assembly ☐ A-1 ☐ A-2 ☒ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4
Mercantile ☐
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

**Accessory Occupancy Classification(s):** _Assembly-A2 (Restaurant); Merc-M (Concessions); S-1 (Moderate Hazard Storage Rooms)_
**Incidental Uses** (Table 509): **__N/A_____**
Special Uses (Chapter 4 – List Code Sections) ___402_____
Special Provisions: (Chapter 5 – List Code Sections): _N/A_____
**Mixed Occupancy:** ☐ No ☒ Yes Separation: ___0_ Hr. Exception: _____
☒ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) –
See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + ..... = _____ ≤ 1.00



| STORY NO. | DESCRIPTION AND USE | (A) BLDG AREA PER STORY (ACTUAL) | (B) TABLE 506.2[4] AREA | (C) AREA FOR FRONTAGE INCREASE[1,5] | (D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3] |
|---|---|---|---|---|---|
| 3 | A-3, B | 8,453 | UL | N/A | UL |
| 2 | A-2, A-2, B, M | 107,959 | UL | N/A | UL |
| 1 | B, S1 | 72,036 | UL | N/A | UL |
| | | | | | |
| | | | | | |

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = _____ (F)
b. Total Building Perimeter = _____ (P)
c. Ratio (F/P) = _____ (F/P)
d. W = Minimum width of public way = _____ (W)
e. Percent of frontage increase $I_f = 100 [ F/P - 0.25] \times W/30$ = _____ (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

**ALLOWABLE HEIGHT**

| | ALLOWABLE (TABLE 503) | SHOWN ON PLANS | CODE REFERENCE |
|---|---|---|---|
| Building Height in Feet (Table 504.3) | 75 | 64 | |
| Building Height in Stories (Table 504.4) | 3 | 3 | 402.1 |

[1] Provide code reference if the "Show on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1
[3] The maximum height of open parking garages must comply with Table 406.5.4



**FIRE PROTECTION REQUIREMENTS**

| BUILDING ELEMENT | FIRE SEPARATION DISTANCE (FEET) | RATING HR/0 | RATING PROVIDED (0)/ REDUCTION) * | DETAIL # AND SHEET # | DESIGN # FOR RATED ASSEMBLY | DESIGN # FOR RATED PENETRATION | DESIGN # FOR RATED JOINTS |
|---|---|---|---|---|---|---|---|
| Structural Frame, including columns, girders, trusses | >30 | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Bearing Walls | | | | | | | |
| Exterior | | | | | | | |
| North | >30' | 0HR | 0HR | N/A | N/A' | N/A | N/A |
| East | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| West | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| South | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Interior | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Nonbearing Walls and Partitions Exterior walls | | | | | | | |
| North | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| East | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| West | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| South | >30' | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Interior walls and partitions | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Floor Construction Including supporting beams and joists | | 0HR | | | | | |
| Floor Ceiling Assembly | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Column Supporting Floors | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Roof Construction, including supporting beams and joists | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Roof Ceiling Assembly | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Column Supporting Roof | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Shaft Enclosures - Exit | N/A | | | | | | |
| Shaft Enclosures - Other | | 2HR | 2HR | G-003 | U906 | G-006 W-L-1310 W-L-1327 C-AS-1216 | N/A |
| Corridor Separation | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Occupancy/Fire Barrier Separation | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Party/Fire Wall Separation | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Smoke Barrier Separation | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Smoke Partition | | 0HR | 0HR | N/A | N/A | N/A | N/A |
| Tenant/Dwelling Unit/ Sleeping Unit Separation | N/A | | | | | | |
| Incidental Use Separation | | N/A | | | | | |

* Indicate section number permitting reduction

**PERCENTAGE OF WALL OPENING CALCULATIONS**

| FIRE SEPARATION DISTANCE (FEET FROM PERPERTY LINES | DEGREES OF OPENINGS PROTECTION (TABLE 705.8) | ALLOWABLE AREA (%) | ACTUAL SHOWN ON PLANS (%) |
|---|---|---|---|
| >30' | N/A | N/A | N/A |
| | | | |



| | | | |
|---|---|---|---|
| | | | |

**LIFE SAFETY SYSTEM REQUIREMENTS**

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial _____
Carbon Monoxide Detection: ☒ No ☐ Yes

**LIFE SAFETY PLAN REQUIREMENTS**

Life Safety Plan Sheet #: __LS-001, LS-002 and LS-003_____

☒ Fire and/or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☒ Common path of travel distances (1006.2.1 & 2006.3.2(1))
☒ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation and supporting construction for a fire barrier/fire partition/smoke barrier.
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☒ Location of doors equipped with hold-open devices
☐ Location of emergency escape windows (1030)
☒ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding the items above

| Section/Table/Note | Title |
|---|---|
| | |
| | |

**ACCESSIBLE DWELLING UNITS – N/A**
(SECTION 1107)

| TOTAL UNITS | ACCESSIBLE UNITS REQUIRED | ACCESSIBLE UNITS PROVIDED | TYPE A UNITS REQUIRED | TYPE A UNITS PROVIDED | TYPE B UNITS REQUIRED | TYPE B UNITS PROVIDED | TOTAL ACCESSIBLE UNITS PROVIDED |
|---|---|---|---|---|---|---|---|
| | | | | | | | |



**ACCESSIBLE PARKING – EXISTING N/A**
(SECTION 1106)

| LOT OR PARKING AREA | TOTAL # OF PARKING SPACES | | # OF ACCESSIBLE SPACES PROVIDED | | | | TOTAL # ACCESSIBLE PROVIDED |
|---|---|---|---|---|---|---|---|
| | REQUIRED | PROVIDED | REGULAR WITH 5' ACCESS AISLE | VAN SPACES WITH 132" ACCESS AISLE | VAN SPACES WITH 8' ACCESS AISLE | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TOTAL | | | | | | | |

**PLUMBING FIXTURE REQUIREMENTS – EXISTING N/A**
**(TABLE 2902.1)**

| USE | | WATERCLOSETS | | | URINALS | LAVATORIES | | | SHOWERS / TUBS | DRINKING FOUNTAINS | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MALE | FEMALE | UNISEX | | MALE | FEMALE | UNISEX | | REGULAR | ACCESSIBLE |
| SPACE | EXIST'G | | | | | | | | | | |
| | NEW | | | | | | | | | | |
| | REQ'D | | | | | | | | | | |

**SPECIAL APPROVALS**

**Special approval:** (Local Jurisdiction, Department of Insurance, SCO, DPI, DHHS, ICC, etc., describe below)



Slab Heated: _____

**-SEE STRUCTURAL-**
## 2018 APPENDIX B
## BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

**DESIGN LOADS:**

**Importance Factors:** Snow ($I_S$) _____
Seismic ($I_E$) _____

**Live Loads:** Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

**Ground Snow Load:** _____ psf

**Wind Load:** Ultimate Wind Speed _____ mph (ASCE-7)
Exposure Category _____

**SEISMIC DESIGN CATEGORY:** ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
**Occupancy Category** (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
**Spectral Response Acceleration** $S_s$ _____ %g $S_1$ _____ %g
**Site Classification** (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
**Basic structural system** ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
**Analysis Procedure:** ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
**Architectural, Mechanical, Components anchored?** ☐ Yes ☐ No

**LATERAL DESIGN CONTROL:** Earthquake ☐ Wind ☐

**SOIL BEARING CAPACITIES:**
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____



## 2018 APPENDIX B – SEE MECHANICAL
## BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICL SHEETS IF APPLICABLE)

**MECHANICAL SUMMARY**

**MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT**

**Thermal Zone**
winter dry bulb: _____
summer dry bulb: _____

**Interior design conditions**
winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

**Building heating load:** _____

**Building cooling load:** _____

**Mechanical Spacing Conditioning System**
Unitary
description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler
Size category. If oversized, state reason.: _____
Chiller
Size category. If oversized, state reason.: _____

**List equipment efficiencies:** _____



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# Envelope Compliance Certificate

## Section 1: Project Information

Energy Code: **2009 IECC**
Project Title: ILM - Breakroom and Ramp Access
Project Type: Addition

Construction Site: Owner/Agent: Designer/Contractor:

Building Location (for weather data): Wilmington, North Carolina
Climate Zone: 3a
Vertical Glazing / Wall Area Pct.: **1%**

**Building Use: Activity Type(s)** **Floor Area**
1-Admin Level (Office) : Nonresidential 242

## Section 2: Envelope Assemblies and Requirements Checklist

**Envelope PASSES:** Design 7% better than code

**Envelope Assemblies:**

| Component Name/Description | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | Proposed U-Factor | Budget U-Factor.(a) |
|---|---|---|---|---|---|
| Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Admin Level] | 754 | 0.0 | 13.0 | 0.063 | 0.084 |
| Window: Metal Frame, Perf. Specs.: Product ID N/A, SHGC 0.46, [Bldg. Use 1 - Admin Level] (b) | 9 | --- | --- | 0.250 | 0.650 |
| Door: Insulated Metal, Swinging, [Bldg. Use 1 - Admin Level] | 21 | --- | --- | 0.063 | 0.700 |
| Floor: Concrete Floor (over unconditioned space), [Bldg. Use 1 - Admin Level] | 44 | --- | 19.0 | 0.045 | 0.107 |
| Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Admin Level] | 242 | --- | 30.0 | 0.032 | 0.048 |

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.

**Air Leakage, Component Certification, and Vapor Retarder Requirements:**

❑ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
❑ 2. Windows, doors, and skylights certified as meeting leakage requirements.
❑ 3. Component R-values & U-factors labeled as certified.
❑ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.
❑ 5. 'Other' components have supporting documentation for proposed U-Factors.
❑ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
❑ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
❑ 8. Cargo doors and loading dock doors are weather sealed.
❑ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
❑ 10. Building entrance doors have a vestibule equipped with self-closing devices.
*Exceptions:*
❑ Building entrances with revolving doors.
❑ Doors not intended to be used as a building entrance.
❑ Doors that open directly from a space less than 3000 sq. ft. in area.



❑ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
❑ Doors opening directly from a sleeping/dwelling unit.

## Section 3: Compliance Statement

*Compliance Statement:* The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2009 IECC requirements in COM*check-Web* and to comply with the mandatory requirements in the Requirements Checklist.

John H. Barker
Name - I itte
Signature
3/27/2024
Date



SEE COMCHECK-•THIS PAGE
**ENERGY SUMMARY**

**ENERGY REQUIREMENTS:**
The following data shall be considered minimum and any special attribute required to meet the **North Carolina Energy Conservation Code** shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☐ Yes (The remainder of this section is not applicable)

Exempt Building: ☐ No ☐ Yes (Provide Code or Statutory reference) _____

**Climate Zone:** ☐ 3A ☐ 4A ☐ 5A

**Method of Compliance: Energy Code** ☐ Performance ☐ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

**THERMAL ENVELOPE** (Prescriptive method only)

**Roof/Ceiling Assembly** (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
Total square footage of skylights in each assembly: _____

**Exterior Walls** (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
Projection factor: _____
Door R-Values: _____

**Walls below grade** (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

**Floors over unconditioned space** (each assembly)
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

**Floors slab on grade**
Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/Vertical requirement: _____



## 2018 APPENDIX B – SEE ELECTRICAL
## BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

**ELECTRICAL SUMMARY**

**ELECTRICAL SYSTEM AND EQUIPMENT**

**Method of Compliance:** Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

**Lighting schedule** (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

**Additional Efficiency Package Options**
**(When using the 2018 NCECC; not required for ASHRAE 90.1)**
☐ C406.2 More Efficient Mechanical Equipment
☐ C406.3 Reduced Lighting Power Density
☐ C406.4 Enhanced Digital Lighting Controls
☐ C406.5 On-Site Renewable Energy
☐ C406.6 Dedicated Outdoor Air System
☐ C406.7 Reduced Energy Use in Service Water Heating



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*TERMINAL IMPROVEMENTS CONTRACT 4*
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FP/P/M/E ENGINEER
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REVISIONS

| | | |
|---|---|---|
| 1 | 03/28/2024 | BD-054 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE
APPENDIX B

SHEET NUMBER
G1-002

UL Product iQ®

UL Solutions

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV • Fire Resistance Ratings • ANSI/UL 263 Certified for United States
BXUV7 • Fire Resistance Ratings • CAN/ULC-S101 Certified for Canada
See General Information for Fireresistance Ratings • ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

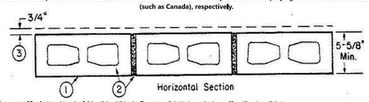
See General Information for Fire Resistance Ratings • CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

## Design No. U906

April 14, 2023

**Bearing Wall Rating — 2 HR.**
**Nonbearing Wall Rating — 2 HR.**
**This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7**

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**




1. **Concrete Blocks* —** Nominal 6 by 8 by 16 in. hollow or solid. Various designs. Classification (2 hr).

See **Concrete Blocks** category for list of eligible manufacturers.

**ANCHOR CONCRETE PRODUCTS INC**

**GAGNE & SON CONCRETE BLOCK INC**

**GLENWOOD MASONRY PRODUCTS**

Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.

**OLDCASTLE APG SOUTH INC, DBA ADAMS PRODUCTS**

**WESTBROOK CONCRETE BLOCK CO INC**

Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2•1/4 and not more than 3•1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).

4. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
**ATLAS ROOFING CORP —** EnergyShield Pro Wall Insulation, EnergyShield Pro 2 Wall Insulation, EnergyShield CGF Pro, EnergyShield Ply Pro, EnergyShield® CGF, EnergyShield® PanelCast, EnergyShield® and "EnergyShield® XR

**DUPONT DE NEMOURS, INC. —** Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax H Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylewall Insulation Board and Thermax Morton Heavy Duty Insulation Board

**FIRESTONE BUILDING PRODUCTS CO L L C —** "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

**HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC —** Types "Xci-Class A", "Xci 286", "Xci Foil (Class A)"

**RMAX, A BUSINESS UNIT OF SIKA CORPORATION —** Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Duralbeath"

**JOHNS MANVILLE —** Type "AP Foil-Faced Foam Sheathing"

4A. **Building Units* —** As an alternate to Item 4, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

**ATLAS ROOFING CORP —** EnergyShield® Ply

**RMAX, A BUSINESS UNIT OF SIKA CORPORATION —** "Thermasheath-15", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply"

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-04-14

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## PARTITION NOTES

ALL GYPSUM WALL BOARD TO BE 5/8" TYPE 'X' U.N.O.

UNLESS NOTED OTHERWISE, DIMENSIONS ARE TO COLUMN CENTER LINE, FACE OF GWB/STUD PARTITIONS, FACE OF MASONRY AND CONCRETE WALLS AND FACE OF EXISTING WALLS.

HOLD TOP OF PARTITION DOWN 1/2" FROM TOP RUNNER WHERE PARTITION EXTENDS TO STRUCTURE ABOVE.

ALL CAULK AND SEALANT SHALL BE CONTINUOUS.

ALL PARTITIONS SHALL EXTEND FROM FINISHED FLOOR TO WHERE THEY MAY BE SEALED, SUCH AS THE UNDERSIDE OF STRUCTURE OR DECK AND BE ENTIRELY SEALED OFF U.N.O. ALL PENETRATIONS SUCH AS PIPING, CONDUITS, DUCTS, ETC. IN SUCH SEALED OFF WALLS OR PARTITIONS SHALL IN THEMSELVES BE PACKED AND SEALED OFF ALONG THE PERIMETER OF PENETRATION.

ALL FIRE AND/OR SMOKE PARTITIONS SHALL EXTEND FROM FINISH FLOOR TO WHERE THEY MAY BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK, AND BE ENTIRELY SEALED OFF WITH SAFING MATERIAL ONLY. SAFING MATERIAL SHALL BE HELD IN PLACE WITH A FIRE STOPPING MATERIAL ON BOTH SIDES, SUCH AS GYPSUM WALL BOARD OR UL LISTED FIRE PROOFING MATERIAL AND ASSEMBLY.

ALL SOUND RATED (STC) WALLS OR PARTITIONS SHALL HAVE CLOSURE GASKETS AT TOP, BOTTOM, AND SIDES WHERE A SOUND LEAK WOULD OTHERWISE EXIST.

STRUCTURAL STUDS (20 GA. MINIMUM) SHALL BE USED WHERE ANY NON-SELF-SUPPORTING WALL HUNG FIXTURES, EQUIPMENT, OR CABINETRY OCCUR AND SHALL EXTEND FROM FLOOR TO STRUCTURE ABOVE. SEE TYPICAL SUPPORT DETAILS FOR WALL MOUNTED ITEMS.

ALL METAL STUD FRAMED PARTITIONS SHALL BE BRACED ABOVE FINISHED CEILINGS. BRACING SHALL BE AS FOLLOWS:
ATTACH A 3 5/8" OR 6" METAL STUD HORIZONTALLY AND CONTINUOUSLY TO PARTITION 8" MAXIMUM ABOVE FINISHED CEILING. PROVIDE 3 5/8" OR 6" METAL STUD KICKERS AT 45 DEGREE ANGLE TO STRUCTURE AT 4'-0" O.C.

KICKERS SHALL HAVE CLIP ANGLES (14 GA MIN.) WITH TWO 1/4" ANCHORS. ALL KICKER LOCATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES PERFORMING WORK ABOVE CEILING.

DO NOT FASTEN TOP RUNNER TO STUDS; CRIMP RUNNER ON BOTH SIDES OF STUD TO STABILIZE STUD.

ALL RATED PARTITIONS SHALL BE IDENTIFIED ABOVE HUNG CEILINGS WITH CODE COMPLIANT SIGNAGE.

SEE ROOM FINISH SCHEDULE FOR ADDITIONAL REQUIREMENTS FOR FINISH MATERIALS SUCH AS TILE, PANELING, ETC. WHICH ARE NOT SHOWN OR INCLUDED ON PARTITION TYPES.

WHERE PARTITION TYPES CHANGE IN A STRAIGHT RUN, THE EXPOSED OR MOST IMPORTANT EXPOSED FINISHED FACE, AND NOT NECESSARILY THE CENTERLINE OF STUDS, SHALL ALIGN. REVIEW CASES WHICH ARE UNCLEAR WITH THE ARCHITECT PRIOR TO CONSTRUCTION OF SUCH PARTITIONS.

WHERE ITEMS ARE RECESSED INTO RATED PARTITIONS, PROVIDE BOXING, INSULATION, ETC. AS REQUIRED TO MAINTAIN THE FIRE RESISTANCE RATING.

PURSUANT TO NCBC 603 ALL WOOD PRODUCTS SHALL BE FIRE-RETARDANT TREATED (FRT), INCLUDING BUT NOT LIMITED TO WOOD BLOCKING, CABINETRY AND MILLWORK SUBSTRATES, AND EXPOSED PLYWOOD PANELS

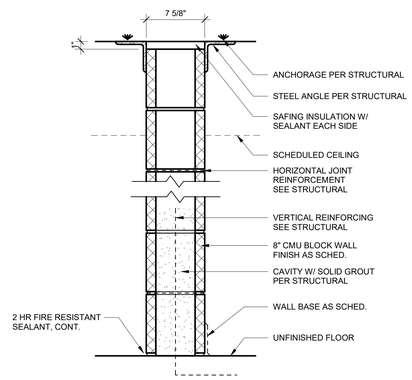
WHERE SPECIALTY WALL PANEL SYSTEMS ARE TO BE APPLIED TO PARTITIONS, SHIMMING MAY BE REQUIRED TO ENSURE A FLUSH AND PLUMB INSTALLATION.

ELECTRICAL AND TELECOM AREAS IN ADDITION TO GWB AS SCHEDULED, WRAP ENTIRE ROOM IN 3/4" VIRGIN, VOID-FREE, FIRE-RATED PLYWOOD, FROM 0'-6" AFF TO 8'-6" AFF, LAG-BOLTED TO WALLS AT METAL STUD LOCATIONS. PAINT ALL WALL SURFACES AS SCHEDULED.

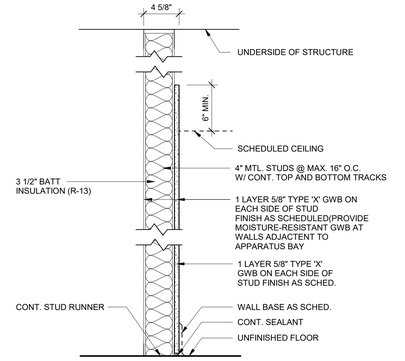
METAL STUD GAUGES

| LOCATION | LENGTH | GAUGE |
|---|---|---|
| PARTITION | UP TO 8'-0" | 20 GAUGE |
| PARTITION | UP TO 10'-0" | 18 GAUGE |
| PARTITION | UP TO 12'-0" | 16 GAUGE |
| PARTITION | GREATER THAN 12'-0" | SEE STRUCTURAL DRAWINGS. |
| BULKHEAD | UP TO 6'-0" | 25 GAUGE |
| BULKHEAD | UP TO 8'-0" | 20 GAUGE |
| BULKHEAD | GREATER THAN 8'-0" | SEE SPECIFIC DETAILS AND/OR STRUCT. DRWGS. |
| SOFFIT | UP TO 4'-0" | 25 GAUGE |
| SOFFIT | UP TO 8'-0" | 25 GAUGE, SEE SPECIFIC DETAILS FOR SUPPORT |
| SOFFIT | GREATER THAN 8'-0" | SUSPENDED SYSTEM MUST BE USED |
| DOOR / WINDOW HEAD AND JAMB | U.N.O. | 16 GA (2 STUDS AT ALL LOCATIONS) |

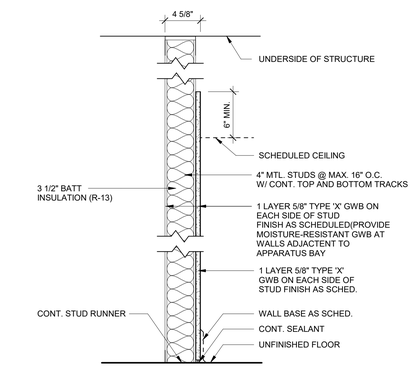
NOTE: U.L. AND STRUCTURAL REQUIREMENTS TAKE PRECEDENCE OVER THE ABOVE SPECIFICATIONS.



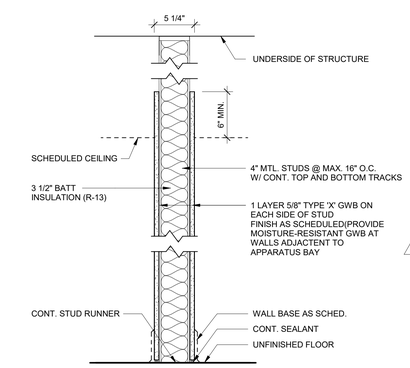

| M-06 | FIRE RATING | ASSEMBLY NO. | STC | STC. TEST # |
|---|---|---|---|---|
| | 2 HR | U907 | N/A | N/A |




| G-09 | FIRE RATING | ASSEMBLY NO. | STC | STC. TEST # |
|---|---|---|---|---|
| | 0 HR | N/A | N/A | N/A |




| G-02 | FIRE RATING | ASSEMBLY NO. | STC | STC. TEST # |
|---|---|---|---|---|
| | 0 HR | N/A | N/A | N/A |




TYPICAL INTERIOR PARTITION U.N.O.

| G-01 | FIRE RATING | ASSEMBLY NO. | STC | STC. TEST # |
|---|---|---|---|---|
| | 0 HR | N/A | N/A | N/A |

ILM

TERMINAL IMPROVEMENTS CONTRACT 4

Wilmington International Airport
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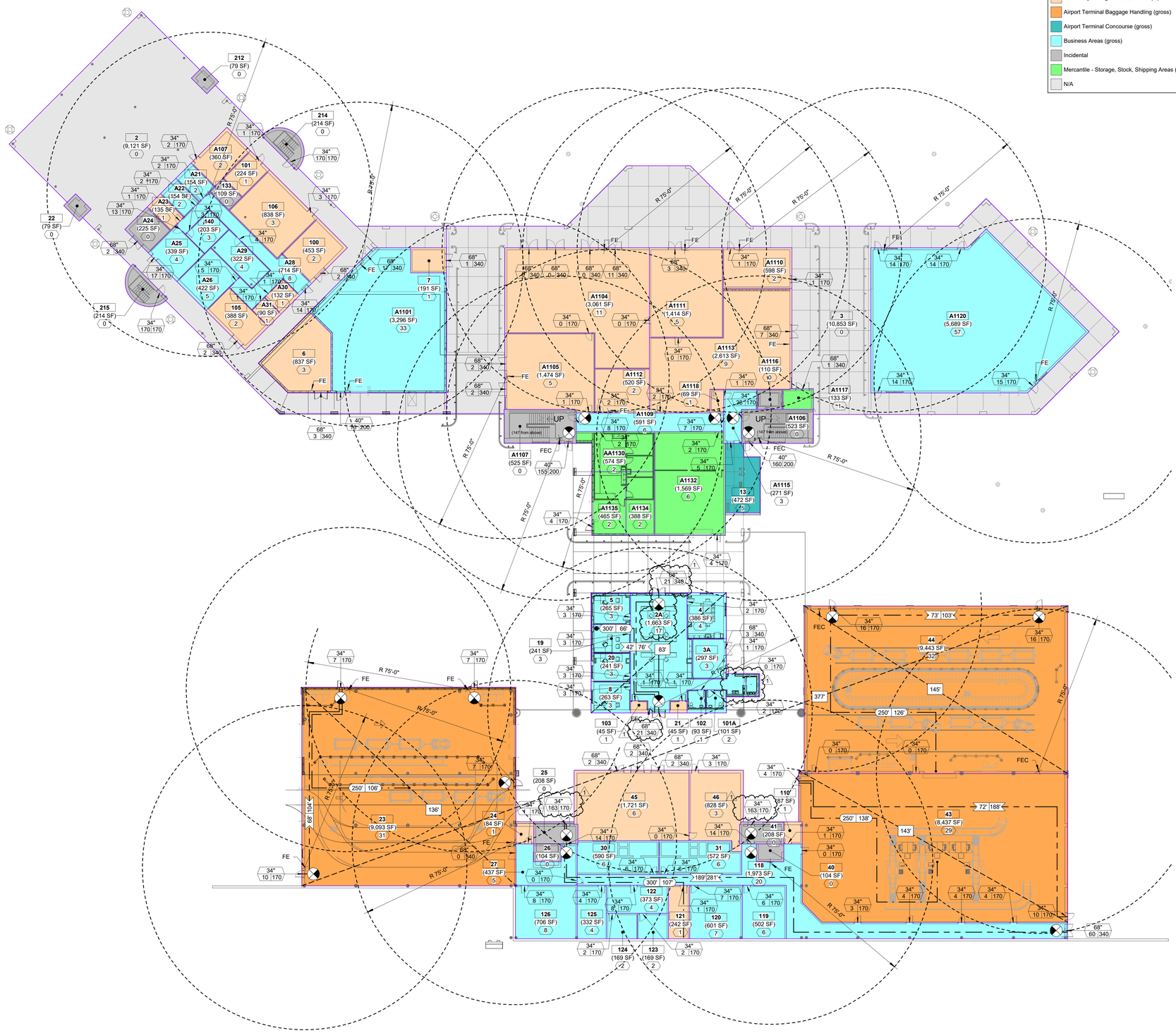
1 03/28/2024 BD-054

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

PARTITION TYPES AND NOTES

SHEET NUMBER

G1-003




1 RAMP LEVEL LIFE SAFETY PLAN
1" = 20'-0"

TRUE NORTH

## Life Safety Area Schedule - Ramp Level

| Number | Name | Area OCC Type | Area | Area Per Occupant | Calculated Occupant Load |
|---|---|---|---|---|---|
| RAMP LEVEL | | | | | |
| 2 | OPEN AREA - ZONE 1 | N/A | 9,121 SF | 0 SF | 0 |
| 2A | WORK STATIONS | Business Areas (gross) | 1,663 SF | 100 SF | 17 |
| 3 | OPEN AREA - ZONE 2 | N/A | 10,853 SF | 0 SF | 0 |
| 3A | OFFICE | Business Areas (gross) | 297 SF | 100 SF | 3 |
| 4 | OFFICE | Business Areas (gross) | 386 SF | 100 SF | 4 |
| 5 | OFFICE | Business Areas (gross) | 265 SF | 100 SF | 3 |
| 6 | Area | Accessory Storage Areas, Mech Equip Room (gross) | 837 SF | 300 SF | 3 |
| 7 | Area | Accessory Storage Areas, Mech Equip Room (gross) | 191 SF | 300 SF | 1 |
| 8 | Area | Business Areas (gross) | 263 SF | 100 SF | 3 |
| 13 | Area | Airport Terminal Concourse (gross) | 472 SF | 100 SF | 5 |
| 19 | OFFICE | Business Areas (gross) | 241 SF | 100 SF | 3 |
| 20 | ROOM | Business Areas (gross) | 241 SF | 100 SF | 3 |
| 21 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 45 SF | 300 SF | 1 |
| 22 | ELEV 5 | Incidental | 79 SF | 0 SF | 0 |
| 23 | BAG HANDLING | Airport Terminal Baggage Handling (gross) | 9,093 SF | 300 SF | 31 |
| 24 | EMR | Accessory Storage Areas, Mech Equip Room (gross) | 84 SF | 300 SF | 1 |
| 25 | STAIR #2 | Incidental | 208 SF | 0 SF | 0 |
| 26 | ELEVATOR #2 | Incidental | 104 SF | 0 SF | 0 |
| 27 | CORRIDOR | Business Areas (gross) | 437 SF | 100 SF | 5 |
| 30 | MEN'S LOCKER | Business Areas (gross) | 590 SF | 100 SF | 6 |
| 31 | WOMEN'S LOCKER | Business Areas (gross) | 572 SF | 100 SF | 6 |
| 40 | ELEVATOR #1 | Incidental | 104 SF | 0 SF | 0 |
| 41 | STAIR #1 | Incidental | 208 SF | 0 SF | 0 |
| 43 | BAG HANDLING | Airport Terminal Baggage Handling (gross) | 8,437 SF | 300 SF | 29 |
| 44 | BAG HANDLING | Airport Terminal Baggage Handling (gross) | 9,443 SF | 300 SF | 32 |
| 45 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 1,721 SF | 300 SF | 6 |
| 46 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 828 SF | 300 SF | 3 |
| 100 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 453 SF | 300 SF | 2 |
| 101 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 224 SF | 300 SF | 1 |
| 101A | WOMEN | Business Areas (gross) | 101 SF | 100 SF | 2 |
| 102 | MEN | Business Areas (gross) | 93 SF | 100 SF | 1 |
| 103 | SUPPLY | Accessory Storage Areas, Mech Equip Room (gross) | 45 SF | 300 SF | 1 |
| 105 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 388 SF | 300 SF | 2 |
| 106 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 838 SF | 300 SF | 3 |
| 110 | EMR | Accessory Storage Areas, Mech Equip Room (gross) | 87 SF | 300 SF | 1 |
| 118 | CORRIDOR | Business Areas (gross) | 1,973 SF | 100 SF | 20 |
| 119 | BUILDING MANAGEMENT | Business Areas (gross) | 502 SF | 100 SF | 6 |
| 120 | ROOM | Business Areas (gross) | 601 SF | 100 SF | 7 |
| 121 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 242 SF | 300 SF | 1 |
| 122 | ROOM | Business Areas (gross) | 373 SF | 100 SF | 4 |
| 123 | ROOM | Business Areas (gross) | 169 SF | 100 SF | 2 |
| 124 | ROOM | Business Areas (gross) | 169 SF | 100 SF | 2 |
| 125 | ROOM | Business Areas (gross) | 332 SF | 100 SF | 4 |
| 126 | Area | Business Areas (gross) | 706 SF | 100 SF | 8 |
| 133 | OWS | Incidental | 109 SF | 0 SF | 0 |
| 140 | ROOM | Business Areas (gross) | 203 SF | 100 SF | 3 |
| 212 | ELEV 4 | Incidental | 79 SF | 0 SF | 0 |
| 214 | Area | Incidental | 214 SF | 0 SF | 0 |
| 215 | Area | Incidental | 214 SF | 0 SF | 0 |
| A21 | WOMEN | Business Areas (gross) | 154 SF | 100 SF | 2 |
| A22 | MEN | Business Areas (gross) | 154 SF | 100 SF | 2 |
| A23 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 135 SF | 300 SF | 1 |
| A24 | EMR | Incidental | 225 SF | 0 SF | 0 |
| A25 | BREAK | Business Areas (gross) | 339 SF | 100 SF | 4 |
| A26 | OFFICE | Business Areas (gross) | 422 SF | 100 SF | 5 |
| A28 | CORRIDOR | Business Areas (gross) | 714 SF | 100 SF | 8 |
| A29 | OFFICE | Business Areas (gross) | 322 SF | 100 SF | 4 |
| A30 | OFFICE | Accessory Storage Areas, Mech Equip Room (gross) | 132 SF | 300 SF | 1 |
| A31 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 90 SF | 300 SF | 1 |
| A107 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 360 SF | 300 SF | 2 |
| A1101 | MECHANICAL | Business Areas (gross) | 3,296 SF | 100 SF | 33 |
| A1104 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 3,061 SF | 300 SF | 11 |
| A1105 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 1,474 SF | 300 SF | 5 |
| A1106 | STAIR 6 | Incidental | 523 SF | 0 SF | 0 |
| A1107 | STAIR 7 | Incidental | 525 SF | 0 SF | 0 |
| A1109 | CORRIDOR | Business Areas (gross) | 591 SF | 100 SF | 6 |
| A1110 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 598 SF | 300 SF | 2 |
| A1111 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 1,414 SF | 300 SF | 5 |
| A1112 | IT | Accessory Storage Areas, Mech Equip Room (gross) | 520 SF | 300 SF | 2 |
| A1113 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 2,613 SF | 300 SF | 9 |
| A1115 | PET ENTRY | Business Areas (gross) | 271 SF | 100 SF | 3 |
| A1116 | ELEV 6 | Incidental | 110 SF | 0 SF | 0 |
| A1117 | CONCESSIONS ENTRY | Mercantile - Storage, Stock, Shipping Areas (gross) | 133 SF | 300 SF | 1 |
| A1118 | EMR | Accessory Storage Areas, Mech Equip Room (gross) | 69 SF | 300 SF | 1 |
| A1120 | AIRLINE | Business Areas (gross) | 5,689 SF | 100 SF | 57 |
| A1132 | RETAIL STORAGE | Mercantile - Storage, Stock, Shipping Areas (gross) | 1,569 SF | 300 SF | 6 |
| A1134 | AIRLINE | Mercantile - Storage, Stock, Shipping Areas (gross) | 388 SF | 300 SF | 2 |
| A1135 | AIRLINE | Mercantile - Storage, Stock, Shipping Areas (gross) | 465 SF | 300 SF | 2 |
| AA1130 | RETAIL | Mercantile - Storage, Stock, Shipping Areas (gross) | 574 SF | 300 SF | 2 |
| | | TOTALS: | 91,827 SF | | 412 |

## LIFE SAFETY NOTE

THERE IS NO SCOPE CHANGE ON THIS PERMIT PACKAGE THAT AFFECTS LIFE SAFETY. LIFE SAFETY PLANS ARE INDICATING EXISTING CONDITIONS AND ARE FOR REFERENCE ONLY.

## LIFE SAFETY PLAN LEGEND

| | |
|---|---|
| ROOM TAG | ROOM NAME → Room name; ROOM AREA → 101 (99,999 SF) 999; 101 → ROOM NUMBER; 999 → NUMBER OF OCCUPANTS |
| EXIT WIDTH | ACTUAL CLEAR INCHES → 34" (888\|888); ACTUAL OCCUPANTS; MAX OCCUPANTS |
| MAXIMUM AREA DIAGONAL | X' |
| DISTANCE BETWEEN EXITS | REQUIRED X' \| X' ACTUAL |
| EXIT ACCESS TRAVEL DISTANCE | ALLOWABLE X \| X' ACTUAL |
| EXIT SIGN | COORDINATE LOCATIONS AND REQUIREMENTS W/ ELECTRICAL DRAWINGS |
| FEC | 4A:80B:C FIRE EXTINGUISHER IN FIRE EXTINGUISHER CABINET |
| FE | 4A:80B:C WALL-MOUNTED FIRE EXTINGUISHER |

ILM

# TERMINAL IMPROVEMENTS CONTRACT 4

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

THE WILSON GROUP ARCHITECTS, REGISTERED ARCHITECTURAL CORPORATION, NORTH CAROLINA, CERT. NO. 51140, CHARLOTTE, N.C.

TRAVIS WALKER PEACE, REGISTERED ARCHITECT, 9272, NORTH CAROLINA, CHARLOTTE, N.C., 10/13/23

THE WILSON GROUP
- ARCHITECTS -

PO Box 5510 Charlotte, NC 28299
704-331-9747 • www.twgarchitects.com

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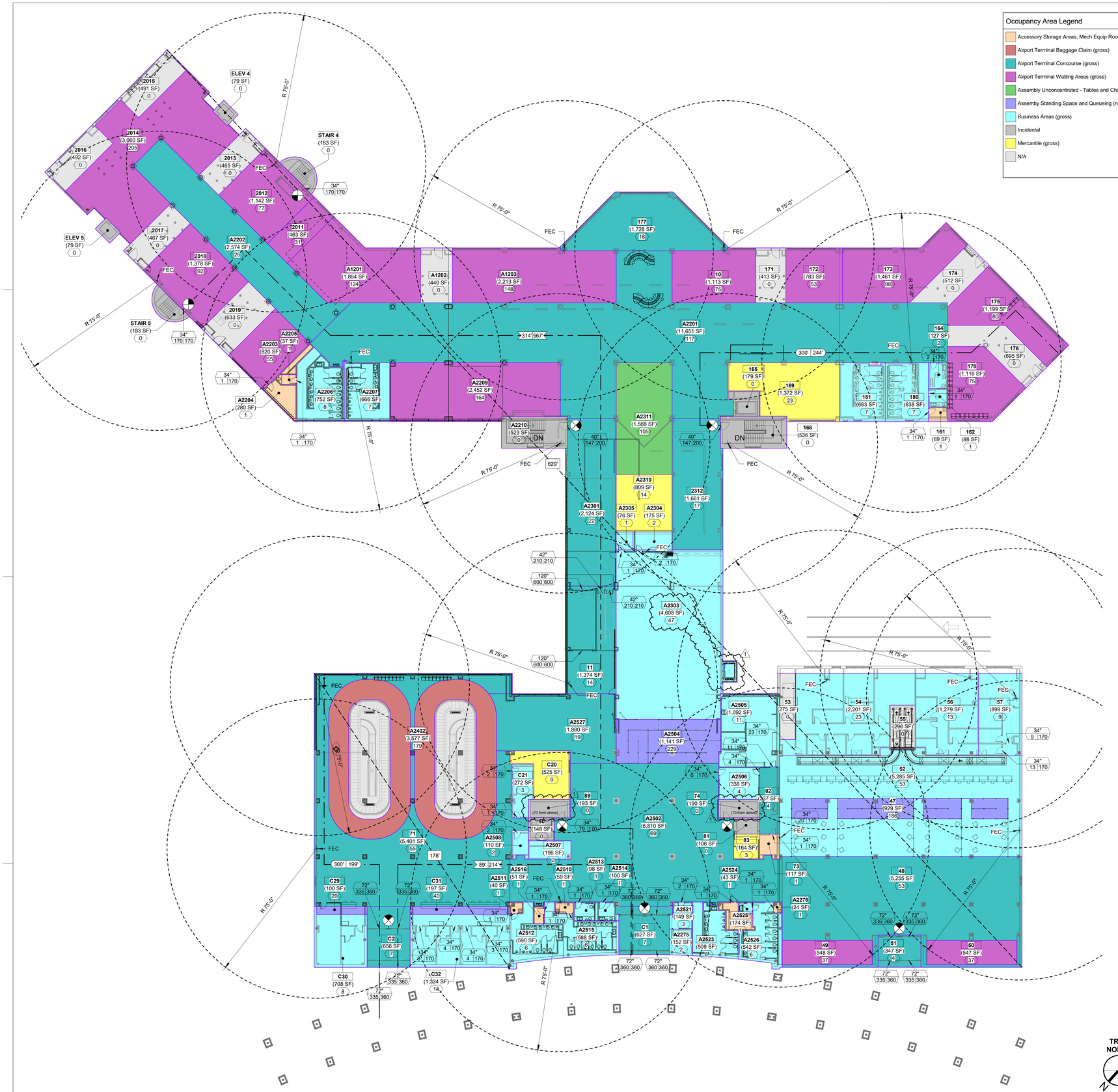
1 03/28/2024 BD-054

DATE 10/13/2023
PROJECT NUMBER 9202-903
SHEET TITLE

EXISTING LIFE SAFETY - RAMP LEVEL

SHEET NUMBER

LS-001




## Occupancy Area Legend

- Accessory Storage Areas, Mech Equip Room (gross)
- Airport Terminal Baggage Claim (gross)
- Airport Terminal Concourse (gross)
- Airport Terminal Waiting Areas (gross)
- Assembly Unconcentrated - Tables and Chairs (net)
- Assemby Standing Space and Queueing (net)
- Business Areas (gross)
- Incidental
- Mercantile (gross)
- N/A

## Life Safety Area Schedule - Ticket / Boarding Level

| Number | Name | Area OCC Type | Area | Area Per Occupant | Calculated Occupant Load |
|---|---|---|---|---|---|
| TICKET LEVEL | | | | | |
| 10 | PASSENGER WAITING | Airport Terminal Waiting Areas (gross) | 1,113 SF | 15 SF | 75 |
| 11 | CIRCULATION | Airport Terminal Concourse (gross) | 1,374 SF | 100 SF | 14 |
| 47 | TICKET QUEUEING | Assemby Standing Space and Queueing (net) | 929 SF | 5 SF | 186 |
| 48 | CIRCULATION | Airport Terminal Concourse (gross) | 5,255 SF | 100 SF | 53 |
| 49 | PASSENGER WAITING | Airport Terminal Waiting Areas (gross) | 548 SF | 15 SF | 37 |
| 50 | PASSENGER WAITING | Airport Terminal Waiting Areas (gross) | 547 SF | 15 SF | 37 |
| 51 | VESTIBULE | Airport Terminal Concourse (gross) | 347 SF | 100 SF | 4 |
| 52 | TICKET COUNTERS | Business Areas (gross) | 5,285 SF | 100 SF | 53 |
| 53 | BAG HANDLING | N/A | 275 SF | 0 SF | 0 |
| 54 | AIRLINE OFFICES | Business Areas (gross) | 2,201 SF | 100 SF | 23 |
| 55 | BAG HANDLING | N/A | 296 SF | 0 SF | 0 |
| 56 | AIRLINE OFFICES | Business Areas (gross) | 1,279 SF | 100 SF | 13 |
| 57 | AIRLINE OFFICES | Business Areas (gross) | 899 SF | 100 SF | 9 |
| 71 | CIRCULATION | Airport Terminal Concourse (gross) | 5,401 SF | 100 SF | 55 |
| 73 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 117 SF | 300 SF | 1 |
| 74 | STAIR #1 | Incidental | 190 SF | 0 SF | 0 |
| 81 | ELEVATOR #1 | Incidental | 106 SF | 0 SF | 0 |
| 82 | CORRIDOR | Airport Terminal Concourse (gross) | 337 SF | 100 SF | 4 |
| 83 | CONCESSIONS | Mercantile (gross) | 164 SF | 60 SF | 3 |
| 89 | STAIR #2 | Incidental | 193 SF | 0 SF | 0 |
| 90 | ELEVATOR #2 | Incidental | 148 SF | 0 SF | 0 |
| 161 | JANITOR | Accessory Storage Areas, Mech Equip Room (gross) | 69 SF | 300 SF | 1 |
| 162 | MOTHER'S ROOM | Business Areas (gross) | 88 SF | 100 SF | 1 |
| 164 | FAMILY TOILET | Business Areas (gross) | 127 SF | 100 SF | 2 |
| 165 | ELEVATOR | Incidental | 179 SF | 0 SF | 0 |
| 166 | STAIR | Incidental | 536 SF | 0 SF | 0 |
| 169 | TENANT | Mercantile (gross) | 1,372 SF | 60 SF | 23 |
| 171 | QUEUEING | N/A | 413 SF | 0 SF | 0 |
| 172 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 783 SF | 15 SF | 53 |
| 173 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,461 SF | 15 SF | 98 |
| 174 | QUEUEING | N/A | 512 SF | 0 SF | 0 |
| 175 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,199 SF | 15 SF | 80 |
| 176 | QUEUEING | N/A | 695 SF | 0 SF | 0 |
| 177 | OBSERVATION | Airport Terminal Concourse (gross) | 1,728 SF | 100 SF | 18 |
| 178 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,116 SF | 15 SF | 75 |
| 179 | BAG CLAIM DEVICE 1 | N/A | 1,198 SF | 0 SF | 0 |
| 180 | WOMEN'S TOILET | Business Areas (gross) | 638 SF | 100 SF | 7 |
| 181 | MEN'S TOILET | Business Areas (gross) | 663 SF | 100 SF | 7 |
| 182 | BAG CLAIM DEVICE 2 | N/A | 1,198 SF | 0 SF | 0 |
| 2011 | QUEUEING GATE 1 | Airport Terminal Waiting Areas (gross) | 463 SF | 15 SF | 31 |
| 2012 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,142 SF | 15 SF | 77 |
| 2013 | QUEUEING GATE 5 | N/A | 465 SF | 0 SF | 0 |
| 2014 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 3,060 SF | 15 SF | 205 |
| 2015 | QUEUEING GATE 7 | N/A | 491 SF | 0 SF | 0 |
| 2016 | QUEUEING GATE 8 | N/A | 492 SF | 0 SF | 0 |
| 2017 | QUEUEING GATE 6 | N/A | 467 SF | 0 SF | 0 |
| 2018 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,378 SF | 15 SF | 92 |
| 2019 | QUEUEING GATE 2 | N/A | 633 SF | 0 SF | 0 |
| 2312 | CIRCULATION | Airport Terminal Concourse (gross) | 1,661 SF | 100 SF | 17 |
| A1201 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 1,854 SF | 15 SF | 124 |
| A1202 | QUEUEING | N/A | 440 SF | 0 SF | 0 |
| A1203 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 2,213 SF | 15 SF | 148 |
| A2201 | CONCOURSE | Airport Terminal Concourse (gross) | 11,651 SF | 100 SF | 117 |
| A2202 | CONCOURSE | Airport Terminal Concourse (gross) | 2,574 SF | 100 SF | 26 |
| A2203 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 820 SF | 15 SF | 55 |
| A2204 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 280 SF | 300 SF | 1 |
| A2205 | JANITOR | Accessory Storage Areas, Mech Equip Room (gross) | 37 SF | 300 SF | 1 |
| A2206 | WOMEN | Business Areas (gross) | 752 SF | 100 SF | 8 |
| A2207 | MEN | Business Areas (gross) | 666 SF | 100 SF | 7 |
| A2209 | HOLDROOM | Airport Terminal Waiting Areas (gross) | 2,452 SF | 15 SF | 164 |
| A2210 | STAIR 7 | Incidental | 523 SF | 0 SF | 0 |
| A2275 | OFFICE | Business Areas (gross) | 152 SF | 100 SF | 2 |
| A2276 | JANITOR | Accessory Storage Areas, Mech Equip Room (gross) | 24 SF | 300 SF | 1 |
| A2301 | CIRCULATION | Airport Terminal Concourse (gross) | 2,124 SF | 100 SF | 22 |
| A2303 | CHECKPOINT | Business Areas (gross) | 4,608 SF | 100 SF | 47 |
| A2304 | OFFICE | Business Areas (gross) | 175 SF | 100 SF | 2 |
| A2305 | PSR | Business Areas (gross) | 76 SF | 100 SF | 1 |
| A2310 | RESTAURANT | Mercantile (gross) | 809 SF | 60 SF | 14 |
| A2311 | RESTAURANT SEATING | Assembly Unconcentrated - Tables and Chairs (net) | 1,568 SF | 15 SF | 105 |
| A2402 | BAGGAGE CLAIM | Airport Terminal Baggage Claim (gross) | 3,577 SF | 20 SF | 179 |
| A2502 | CIRCULATION | Airport Terminal Concourse (gross) | 6,810 SF | 100 SF | 69 |
| A2504 | SSCP QUEUE | Assemby Standing Space and Queueing (net) | 1,141 SF | 5 SF | 229 |
| A2505 | ATO#4 | Business Areas (gross) | 1,092 SF | 100 SF | 11 |
| A2506 | PASS SVC | Business Areas (gross) | 338 SF | 100 SF | 4 |
| A2507 | BSO | Business Areas (gross) | 196 SF | 100 SF | 2 |
| A2508 | BSO | Business Areas (gross) | 110 SF | 100 SF | 2 |
| A2510 | JANITOR | Accessory Storage Areas, Mech Equip Room (gross) | 59 SF | 300 SF | 1 |
| A2511 | JANITOR | Accessory Storage Areas, Mech Equip Room (gross) | 40 SF | 300 SF | 1 |
| A2512 | MEN'S TOILET | Business Areas (gross) | 590 SF | 100 SF | 6 |
| A2513 | FAMILY TOILET | Business Areas (gross) | 98 SF | 100 SF | 1 |
| A2514 | MOTHER'S ROOM | Business Areas (gross) | 100 SF | 100 SF | 1 |
| A2515 | WOMEN'S TOILET | Business Areas (gross) | 588 SF | 100 SF | 6 |
| A2516 | STORAGE | Accessory Storage Areas, Mech Equip Room (gross) | 51 SF | 300 SF | 1 |
| A2521 | OFFICE | Business Areas (gross) | 149 SF | 100 SF | 2 |
| A2523 | MEN'S TOILET | Business Areas (gross) | 509 SF | 100 SF | 6 |
| A2524 | BABY CHANGING | Business Areas (gross) | 43 SF | 100 SF | 1 |
| A2525 | ELECTRICAL | Accessory Storage Areas, Mech Equip Room (gross) | 174 SF | 300 SF | 1 |
| A2526 | WOMEN'S TOILET | Business Areas (gross) | 542 SF | 100 SF | 6 |
| A2527 | CIRCULATION | Airport Terminal Concourse (gross) | 1,880 SF | 100 SF | 19 |
| C1 | VESTIBULE | Airport Terminal Concourse (gross) | 627 SF | 100 SF | 7 |
| C2 | VESTIBULE | Airport Terminal Concourse (gross) | 656 SF | 100 SF | 7 |
| C20 | CONCESSIONS | Mercantile (gross) | 525 SF | 60 SF | 9 |
| C21 | BSO | Business Areas (gross) | 272 SF | 100 SF | 3 |
| C29 | RAC QUEUEING | Assemby Standing Space and Queueing (net) | 100 SF | 5 SF | 20 |
| C30 | RAC OFFICES | Business Areas (gross) | 708 SF | 100 SF | 8 |
| C31 | RAC QUEUEING | Assemby Standing Space and Queueing (net) | 197 SF | 5 SF | 40 |
| C32 | RAC OFFICES | Business Areas (gross) | 1,324 SF | 100 SF | 14 |
| ELEV 4 | ELEV 4 | Incidental | 79 SF | 0 SF | 0 |
| ELEV 5 | ELEV 5 | Incidental | 79 SF | 0 SF | 0 |
| STAIR 4 | STAIR 4 | Incidental | 183 SF | 0 SF | 0 |
| STAIR 5 | STAIR 5 | Incidental | 183 SF | 0 SF | 0 |
| | | TOTALS: | 108,055 SF | | 2855 |

## LIFE SAFETY NOTE

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## LIFE SAFETY PLAN LEGEND

| | |
|---|---|
| ROOM TAG | ROOM NAME — Room name; 101 — ROOM NUMBER; ROOM AREA — (99,999 SF); 999 — NUMBER OF OCCUPANTS |
| EXIT WIDTH | ACTUAL CLEAR INCHES — 34" 888 888; ACTUAL OCCUPANTS; MAX OCCUPANTS |
| MAXIMUM AREA DIAGONAL | X' |
| DISTANCE BETWEEN EXITS | REQUIRED X' X' ACTUAL |
| EXIT ACCESS TRAVEL DISTANCE | ALLOWABLE X' X' ACTUAL |
| EXIT SIGN | COORDINATE LOCATIONS AND REQUIREMENTS W/ ELECTRICAL DRAWINGS |
| FEC | 4A:80B:C FIRE EXTINGUISHER IN FIRE EXTINGUISHER CABINET |
| FE | 4A:80B:C WALL-MOUNTED FIRE EXTINGUISHER |

1 TICKET / BOARDING LEVEL LIFE SAFETY PLAN
1" = 20'-0"

ILM

# TERMINAL IMPROVEMENTS CONTRACT 4

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

THE WILSON GROUP ARCHITECTS · REGISTERED ARCHITECTURAL CORPORATION · CERT. NO. 51140 · NORTH CAROLINA · CHARLOTTE, N.C.

TRAVIS WALKER PRICE · REGISTERED ARCHITECT · 9272 · NORTH CAROLINA · CHARLOTTE, N.C. · 10/13/23

THE WILSON GROUP
- ARCHITECTS -


PO Box 5510 Charlotte, NC 28299
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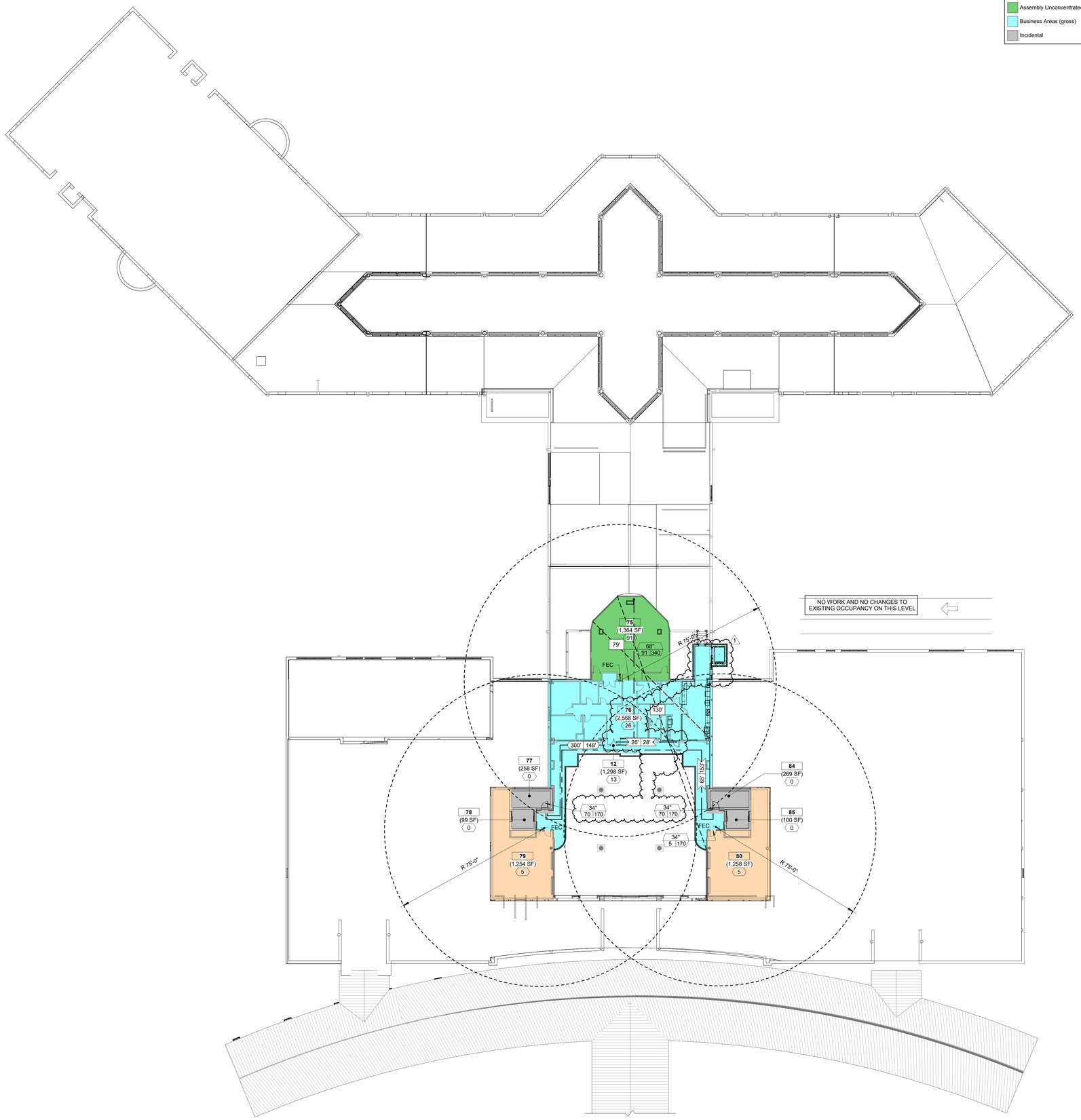
1 03/28/2024 BD-054

DATE 10/13/2023
PROJECT NUMBER 9202-903
SHEET TITLE

EXISTING LIFE SAFETY TICKET / BOARDING LEVEL

SHEET NUMBER

LS-002




1 ADMIN LEVEL LIFE SAFETY PLAN
1" = 20'-0"

TRUE NORTH

| Occupancy Area Legend |
|---|
| Accessory Storage Areas, Mech Equip Room (gross) |
| Assembly Unconcentrated - Tables and Chairs (net) |
| Business Areas (gross) |
| Incidental |

Life Safety Area Schedule - Admin Level

| Number | Name | Area OCC Type | Area | Area Per Occupant | Calculated Occupant Load |
|---|---|---|---|---|---|
| ADMIN LEVEL | | | | | |
| 12 | CIRCULATION | Business Areas (gross) | 1,298 SF | 100 SF | 13 |
| 75 | CONFERENCE ROOM | Assembly Unconcentrated - Tables and Chairs (net) | 1,364 SF | 15 SF | 91 |
| 76 | ADMIN AREA | Business Areas (gross) | 2,568 SF | 100 SF | 26 |
| 77 | STAIR #2 | Incidental | 258 SF | 0 SF | 0 |
| 78 | ELEVATOR #2 | Incidental | 99 SF | 0 SF | 0 |
| 79 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 1,254 SF | 300 SF | 5 |
| 80 | MECHANICAL | Accessory Storage Areas, Mech Equip Room (gross) | 1,258 SF | 300 SF | 5 |
| 84 | STAIR #1 | Incidental | 269 SF | 0 SF | 0 |
| 85 | ELEVATOR #1 | Incidental | 100 SF | 0 SF | 0 |
| | | TOTALS: | 8,468 SF | | 140 |

## LIFE SAFETY NOTE

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## LIFE SAFETY PLAN LEGEND

| | |
|---|---|
| ROOM TAG | ROOM NAME → Room name; 101 ← ROOM NUMBER; ROOM AREA → (99,999 SF); 999 ← NUMBER OF OCCUPANTS |
| EXIT WIDTH | ACTUAL CLEAR INCHES → 34" 888 888; ACTUAL OCCUPANTS; MAX OCCUPANTS |
| MAXIMUM AREA DIAGONAL | X' |
| DISTANCE BETWEEN EXITS | REQUIRED X' X' ACTUAL |
| EXIT ACCESS TRAVEL DISTANCE | ALLOWABLE X' X' ACTUAL |
| EXIT SIGN | COORDINATE LOCATIONS AND REQUIREMENTS W/ ELECTRICAL DRAWINGS |
| FEC | 4A:80B:C FIRE EXTINGUISHER IN FIRE EXTINGUISHER CABINET |
| FE | 4A:80B:C WALL-MOUNTED FIRE EXTINGUISHER |

# TERMINAL IMPROVEMENTS CONTRACT 4

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

THE WILSON GROUP ARCHITECTS · REGISTERED ARCHITECTURAL CORPORATION · NORTH CAROLINA · CERT. NO. 51140 · CHARLOTTE, N.C.

TRAVIS WALKER PEACE · REGISTERED ARCHITECT · 9272 · NORTH CAROLINA · CHARLOTTE, N.C.
10/13/23

THE WILSON GROUP
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PO Box 5510 Charlotte, NC 28299
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FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
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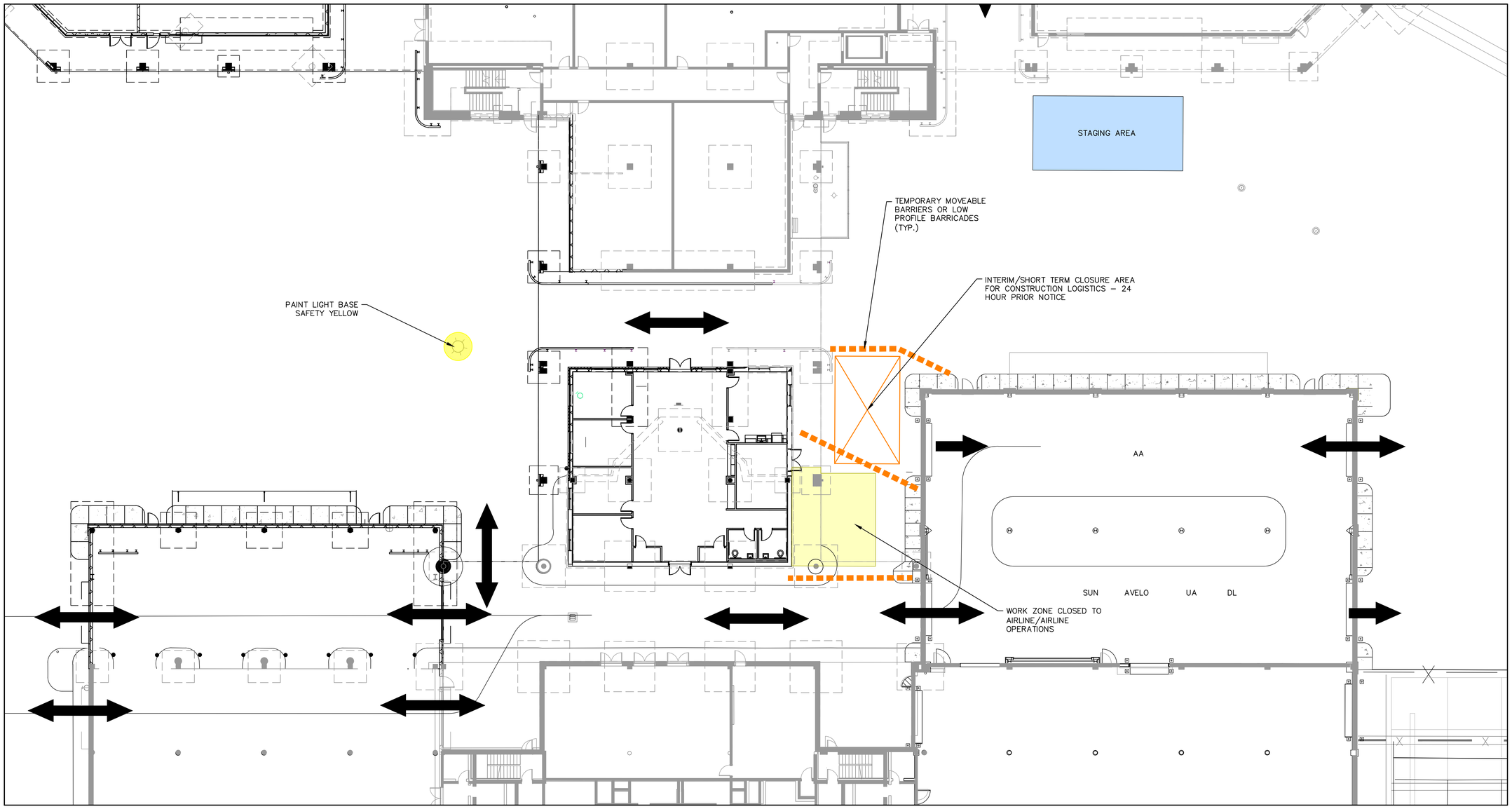
1 03/28/2024 BD-054

DATE 10/13/2023
PROJECT NUMBER 9202-903
SHEET TITLE

EXISTING LIFE SAFETY ADMIN LEVEL

SHEET NUMBER

LS-003




LEGEND

- STAGING AREA
- WORK ZONE CLOSED TO AIRLINE/AIRPORT OPERATIONS
- INTERIM/SHORT TERM CLOSURE AREA FOR CONSTRUCTION LOGISTICS – 24 HOUR PRIOR NOTICE
- TEMPORARY MOVEABLE FENCE OR LOW PROFILE BARRICADES

12 6 0 12 24 36

SCALE IN FEET

1"= 12'

ILM

# TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

TALBERT & BRIGHT, INC.
4810 SHELLEY DRIVE
WILMINGTON, NC, 28405
NC C-0713

NORTH CAROLINA PROFESSIONAL SEAL 024169 ENGINEER ERIC M. STUMPH

3.27.2024

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PROJECT MANAGER & CIVIL ENGINEER
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CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM

TRUE NORTH

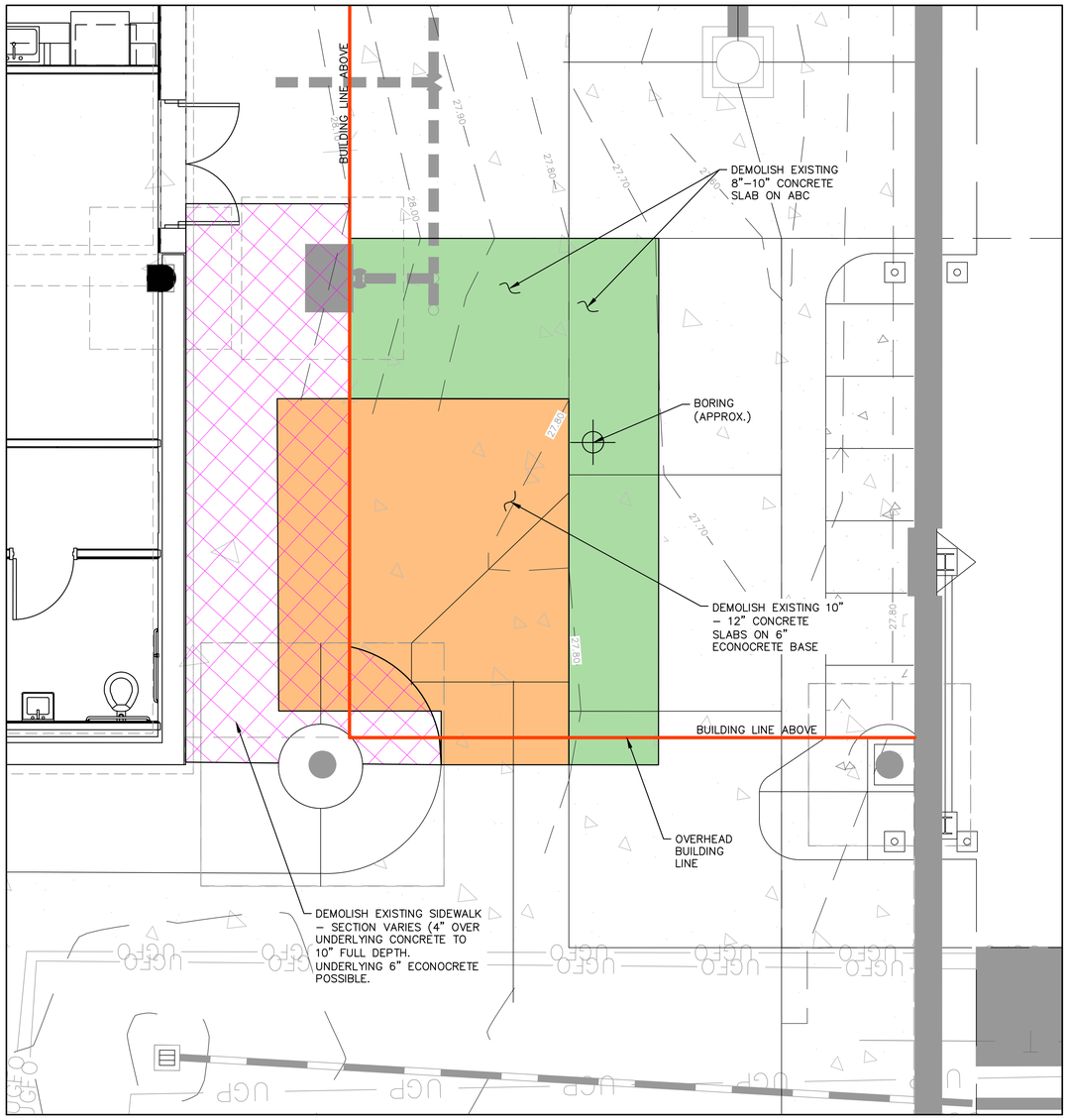
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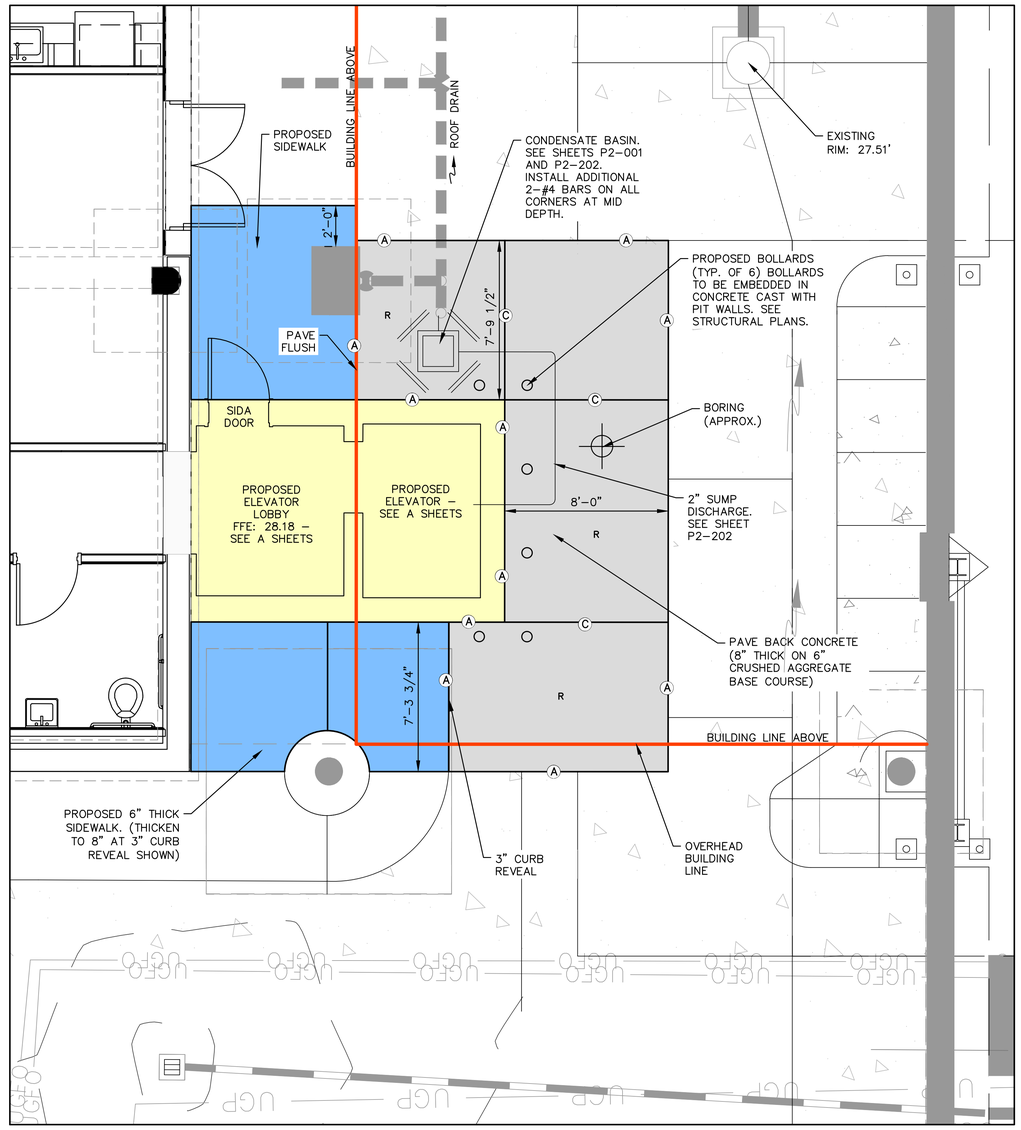
DATE 3/28/2024
PROJECT NUMBER 9202-000
SHEET TITLE

## BREAK ROOM AND RAMP LEVEL ACCESS - SAFETY AND ACCESS PLAN

SHEET NUMBER
# C-BD-54a




CIVIL DEMOLITION PLAN
SCALE: 1" = 3'




CIVIL PAVING PLAN
SCALE: 1" = 3'

LEGEND

- EXISTING SIDEWALK TO BE REMOVED
- EXISTING CONCRETE PAVEMENT TO BE REMOVED
- EXISTING CONCRETE AND ECONOCRETE BASE TO BE REMOVED
- PROPOSED 6" THICK SIDEWALK (THICKEN TO 8" AT 3" CURB REVEAL SHOWN)
- PROPOSED CONCRETE PAVEMENT (8" THICK CONCRETE OVER 6" CRUSHED AGGREGATE BASE COURSE)
- PROPOSED BUILDING

JOINT LAYOUT NOTES:

1. SLAB REINFORCING STEEL SHALL NOT CONTINUE ACROSS JOINT LINES.
2. SEE SHEET C–601 FOR JOINT DETAILS.
3. USE TYPE (E) AT THE END OF EACH DAY'S PAVING AS NEEDED FOR TRANSVERSE JOINTS.

JOINT TYPES

- (A) THICKENED EDGE ISOLATION JOINT
- (C) DOWELED CONTRACTION JOINT
- R REINFORCED PANEL

3 1.5 0 3 6 9
SCALE IN FEET
1"= 3'

ILM

*TERMINAL IMPROVEMENTS CONTRACT 3*

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

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4810 SHELLEY DRIVE
WILMINGTON, NC, 28405
NC C–0713

NORTH CAROLINA PROFESSIONAL SEAL 024169 ENGINEER ERIC M. STUMPF
3-27-2024

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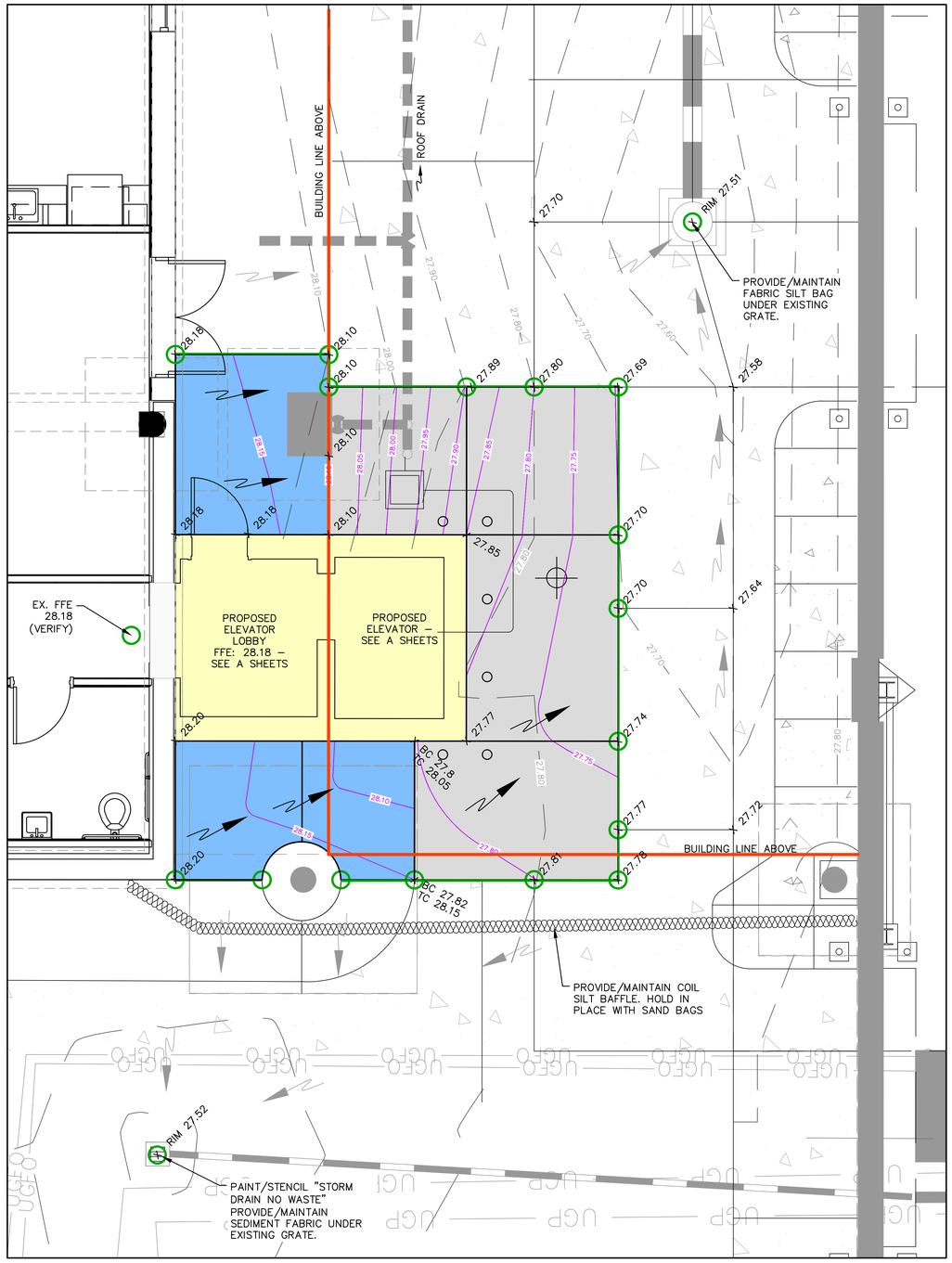
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REVISIONS

DATE 3/28/2024
PROJECT NUMBER 9202-000
SHEET TITLE

# BREAK ROOM AND RAMP LEVEL ACCESS - CIVIL DEMOLITION AND PROPOSED

SHEET NUMBER
# C-BD-54b




CIVIL GRADING PLAN
SCALE: 1" = 3'

NOTES:

1. EXISTING GRADES SHOWN (CONTOURS, SPOT ELEVATIONS, AND FLOOR ELEVATIONS) HAVE BEEN DEVELOPED FROM ORIGINAL PROGRAM SURVEY (2018), CONTRACT 2 PROPOSED GRADES, AND CONTRACT 3 SCHEDULE 1 PROPOSED GRADES. AS-BUILD GRADES HAVE NOT BEEN VERIFIED. THE CONTRACTOR SHALL PROVIDE A SEALED SURVEY PLOT SHOWING EXISTING GRADES ALONG THE CONCRETE FLATWORK DEMOLITION LINES AT THE POINTS INDICATED, RIM ELEVATIONS FOR THE TWO DRAINAGE INLETS, AND THE EXISTING FINISHED FLOOR ELEVATION INSIDE THE FINANCE OFFICE HALLWAY ADJACENT TO THE WATER COOLERS. THIS SEALED SURVEY SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACEMENT OF ANY FOUNDATION/ELEVATOR PIT CONCRETE SO THAT GRADING PLAN ADJUSTMENTS CAN BE MADE AS NEEDED.

LEGEND

- EXISTING SIDEWALK TO BE REMOVED
- EXISTING CONCRETE PAVEMENT ON ABC TO BE REMOVED
- EXISTING CONCRETE ON ECONOCRETE BASE TO BE REMOVED
- 28.10 EXISTING CONTOUR
- PROPOSED 6" THICK SIDEWALK (THICKEN TO 8" AT 3" CURB REVEAL SHOWN)
- PROPOSED CONCRETE PAVEMENT (8" THICK CONCRETE OVER 6" CRUSHED AGGREGATE BASE COURSE)
- PROPOSED BUILDING
- 28.10 PROPOSED CONTOURS
- SURVEY VERIFICATION LINES/POINTS (SEE NOTE)

TRUE NORTH

SCALE IN FEET
3 1.5 0 3 6 9
1"= 3'

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

Wilmington International Airport
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Wilmington, NC 28405

TALBERT & BRIGHT, INC.
4810 SHELLEY DRIVE
WILMINGTON, NC, 28405
NC C-0713

NORTH CAROLINA PROFESSIONAL SEAL 024169 ENGINEER ERIC M STUMPH
3.27.2024

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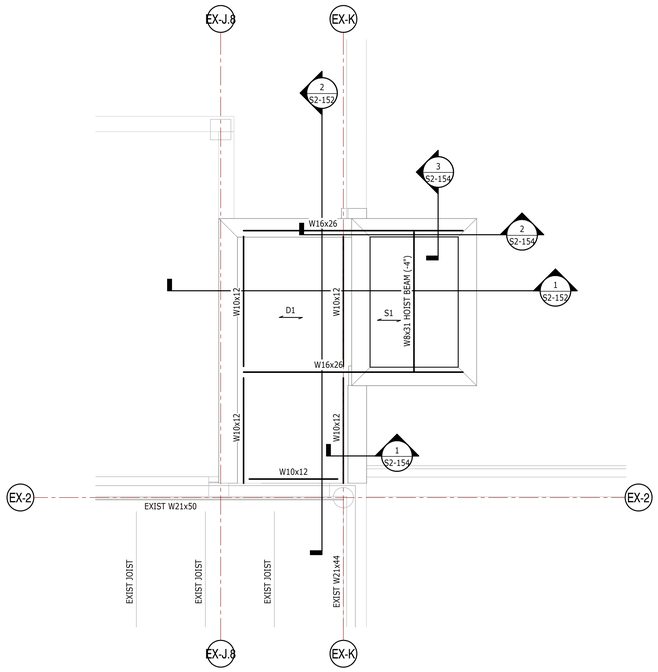
DATE 3/28/2024
PROJECT NUMBER 9202-000
SHEET TITLE

BREAK ROOM AND RAMP LEVEL ACCESS - CIVIL GRADING PLAN

SHEET NUMBER
C-BD-54c

**GEOFOAM**

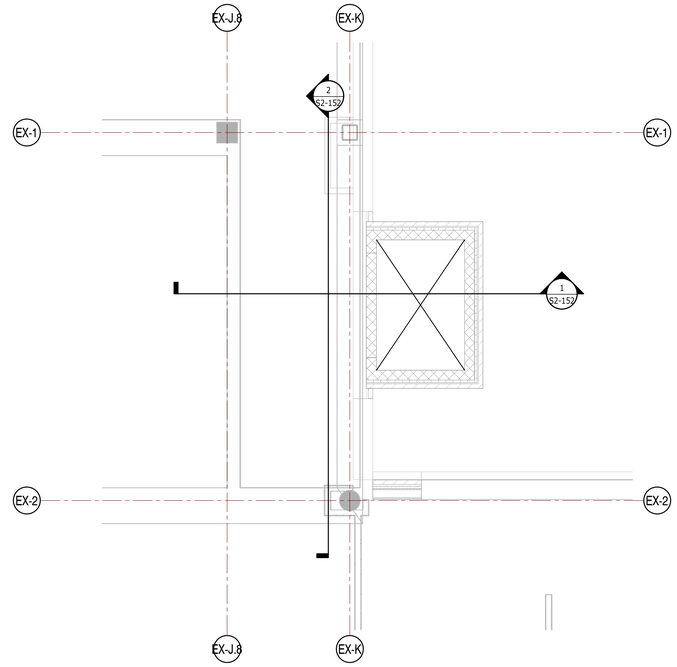
1. COMPLY WITH ASTM D6817, "STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE GEOFOAM".
2. SUBMIT MANUFACTURER'S PRODUCT DATA AND TECHNICAL BULLETINS INCLUDING MATERIALS, PROFILES, PHYSICAL PROPERTIES, AND ACCESSORIES FOR EACH PRODUCT TO BE USED, INCLUDING:
   SHIPMENT INFORMATION
   MANUFACTURING MATERIALS AND ADDITIVES
   PREPARATION INSTRUCTIONS AND RECOMMENDATIONS
   STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS
   INSTALLATION METHODS
3. SHOP DRAWINGS SHALL INCLUDE THE LAYOUT PLAN, PROFILES AND COMPONENTS. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
4. SUBMIT SUMMARY OF TESTS THAT PRODUCTS COMPLY WITH SPECIFIED PERFORMANCE REQUIREMENTS.
5. SUBMIT INDEPENDENT THIRD PARTY PRODUCT CERTIFICATES SIGNED BY MANUFACTURER TO DEMONSTRATE MATERIALS COMPLY WITH SPECIFIED PERFORMANCE REQUIREMENTS AND ASTM D6817.
6. MANUFACTURER AND INSTALLER SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE WITH SIMILAR PRODUCTS OF THIS SCOPE AND COMPLEXITY.
7. GEOFOAM SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
   MINIMUM DENSITY - 0.90 POUNDS PER CUBIC FOOT
   MINIMUM COMPRESSIVE RESISTANCE - 3.6 PSI (520 PSF) | 8.0 PSI (1,150 PSF) | 10.2 PSI (1,470 PSF) AT 1% | 5% | 10% DEFORMATION
   ELASTIC MODULUS - 360 PSI
   FLEXURAL STRENGTH - 25 PSI
   WATER ABSORPTION - 4%, MAXIMUM TOTAL IMMERSION
   OXYGEN INDEX - 24%
   BUOYANCY FORCE - 61.5 POUNDS PER CUBIC FOOT
8. EXAMINE AND MEASURE INSTALLATION AREAS AND SUBGRADE CONDITIONS AND CONFIRM THEY ARE PREPARED TO RECEIVE GEOFOAM WITHIN THE MANUFACTURER'S LIMITS. DO NOT BEGIN INSTALLATION UNTIL SUBSTRATES HAVE BEEN PROPERLY PREPARED. EXCAVATE AND PREPARE SUBGRADE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
9. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S CURRENT PUBLISHED INSTRUCTIONS, AND DETAILS AND DRAWINGS ISSUED FOR THE PROJECT. CONFLICTS BETWEEN THE MANUFACTURER INSTRUCTIONS AND PROJECT DOCUMENTS SHALL BE RESOLVED IN WRITING PRIOR TO CONSTRUCTION.
10. PROTECT INSTALLED PRODUCTS AND SURFACE FINISHES FROM DAMAGE DURING CONSTRUCTION.




## 6 SCHEDULE 2 ELEVATOR ROOF FRAMING PLAN

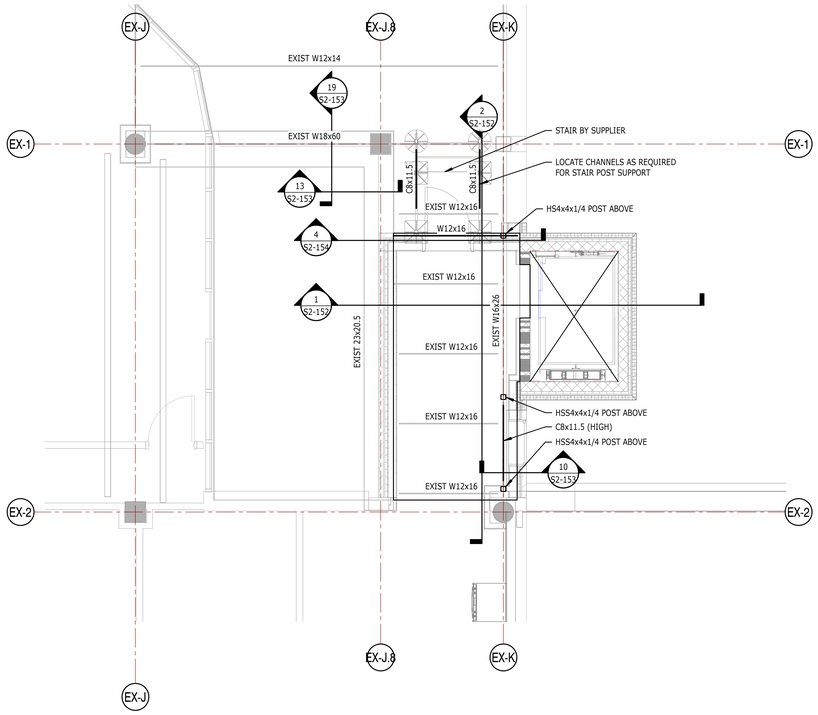
S2-151 1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:
1. SEE S--- FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. SEE ARCHITECTURAL DRAWINGS FOR ALL ROOF SLOPES.
3. CONFIRM EDGE OF DECK WITH ARCH DRAWINGS.
4. GC TO TAKE IN FIELD MEASUREMENTS PRIOR TO REVIEWING AND SUBMITTING STEEL SHOP DRAWINGS.




## 4 SCHEDULE 2 ELEVATOR TICKET LEVEL FRAMING PLAN

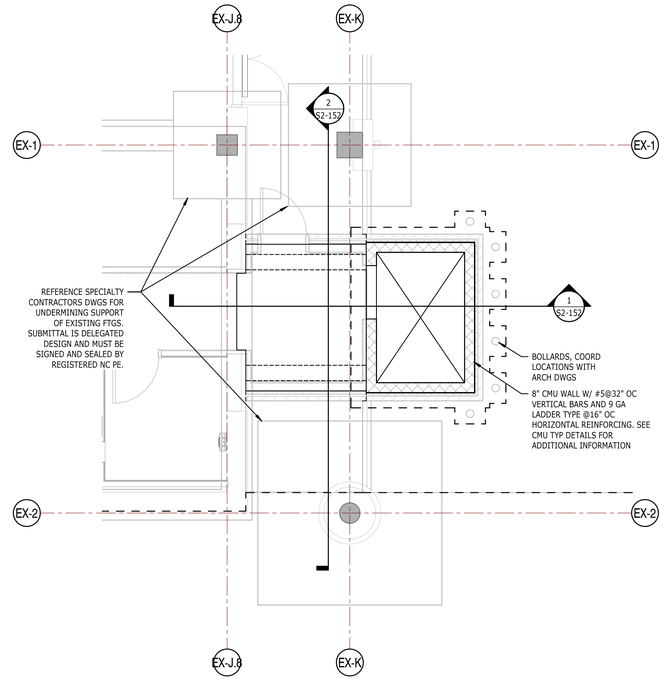
S2-151 1/4" = 1'-0"




## 5 SCHEDULE 2 ELEVATOR ADMIN LEVEL FRAMING PLAN

S2-151 1/4" = 1'-0"

FLOOR FRAMING PLAN NOTES:
1. SEE S--- FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.




## 1 SCHEDULE 2 ELEVATOR FOUNDATION PLAN

S2-151 1/4" = 1'-0"

FOUNDATION PLAN NOTES:
1. SEE S--- FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
2. REFERENCE FINISHED FLOOR ELEVATION 0'-0". SEE SITE DRAWINGS FOR ACTUAL ELEVATION.
3. SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE ARCHITECTURAL DRAWINGS.

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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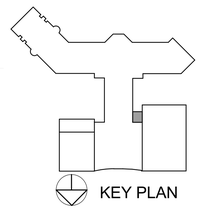
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KEY PLAN

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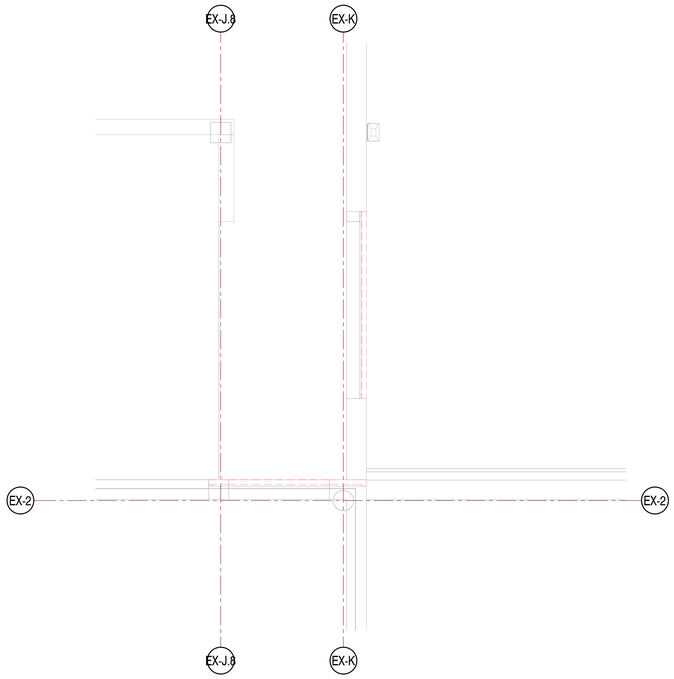
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DATE 02/06/24
PROJECT NUMBER 9202-903
SHEET TITLE

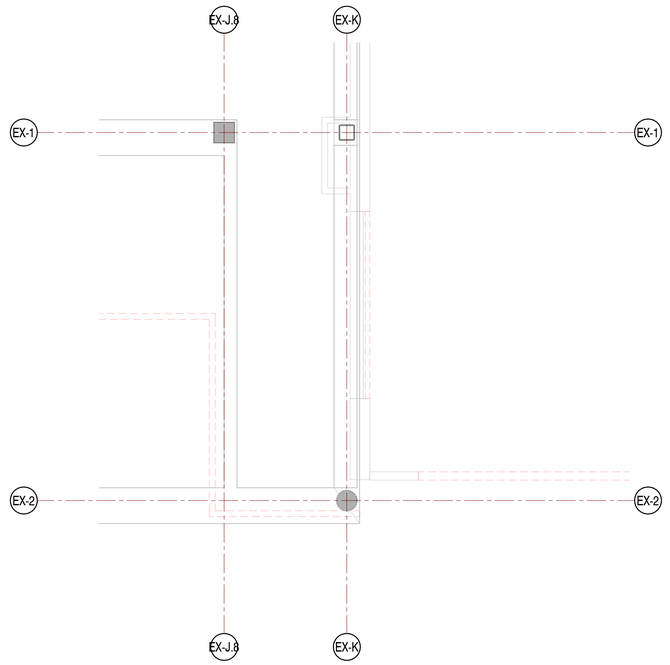
ELEVATOR PLANS

SHEET NUMBER

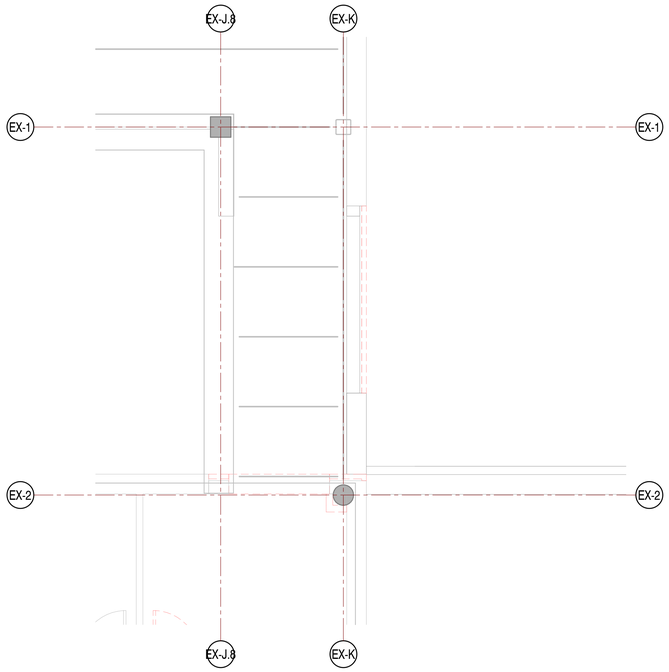
S2-151



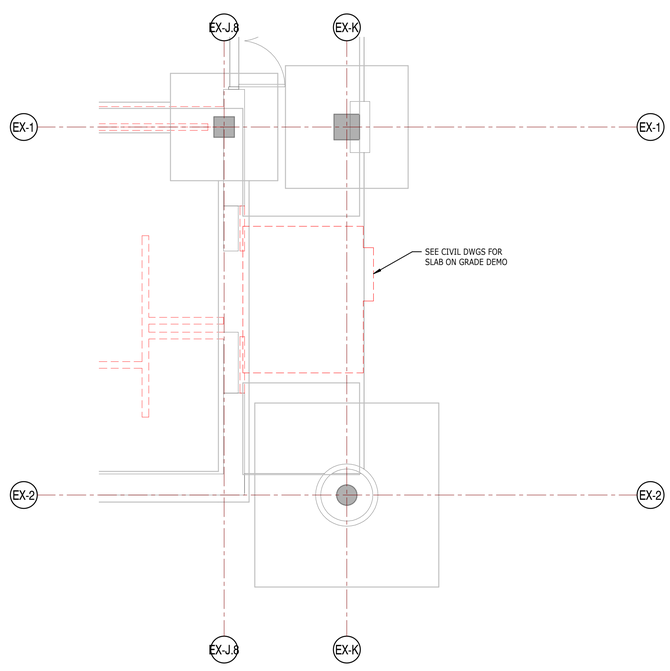

4 S2-151D SCHEDULE 2 ELEVATOR ROOF FRAMING DEMO PLAN
1/4" = 1'-0"




2 S2-151D SCHEDULE 2 ELEVATOR TICKET LEVEL FRAMING DEMO PLAN
1/4" = 1'-0"




3 S2-151D SCHEDULE 2 ELEVATOR ADMIN LEVEL FRAMING DEMO PLAN
1/4" = 1'-0"




1 S2-151D SCHEDULE 2 ELEVATOR FOUNDATION DEMO PLAN
1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 4

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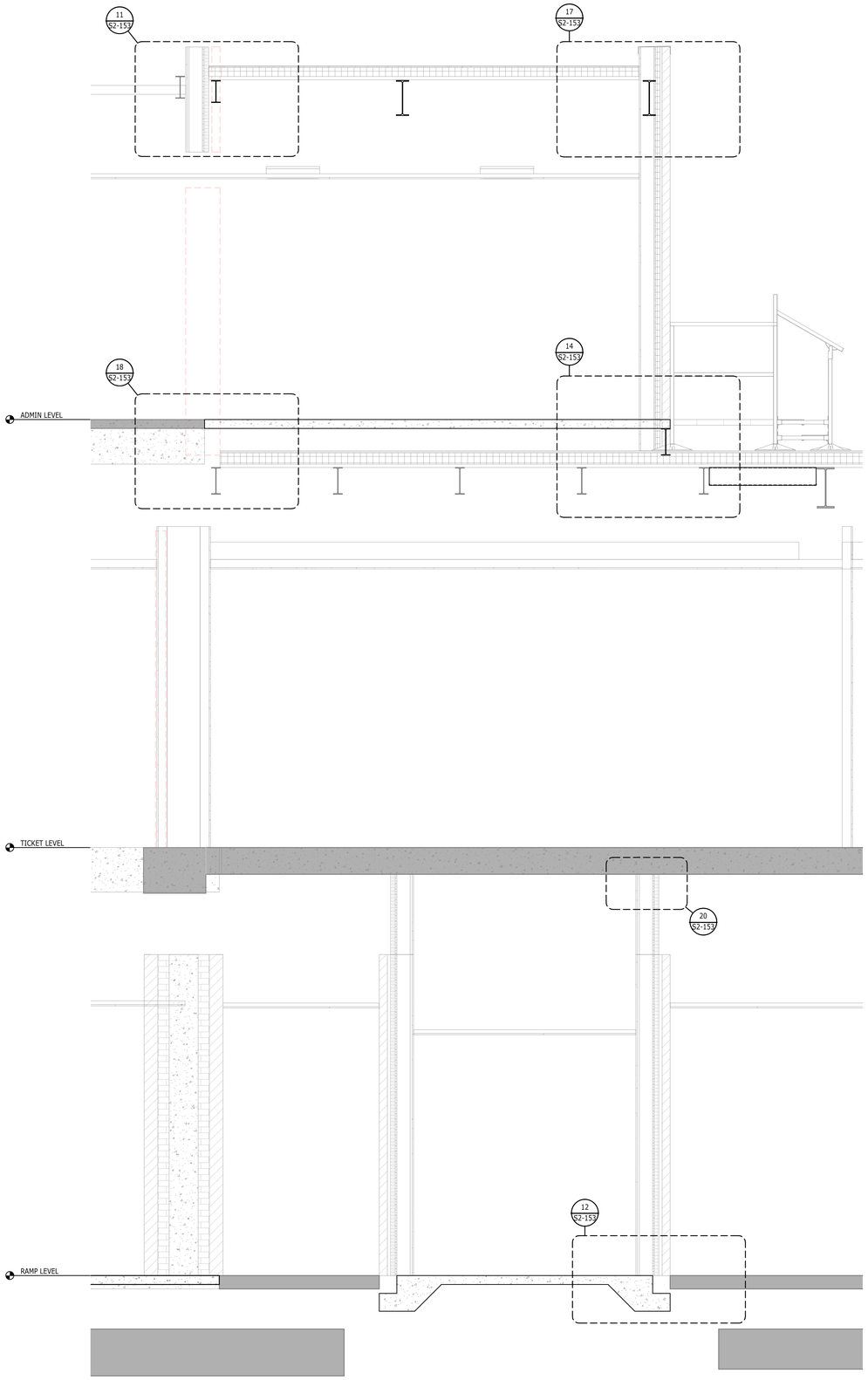
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DATE 03/26/24
PROJECT NUMBER 9202-903
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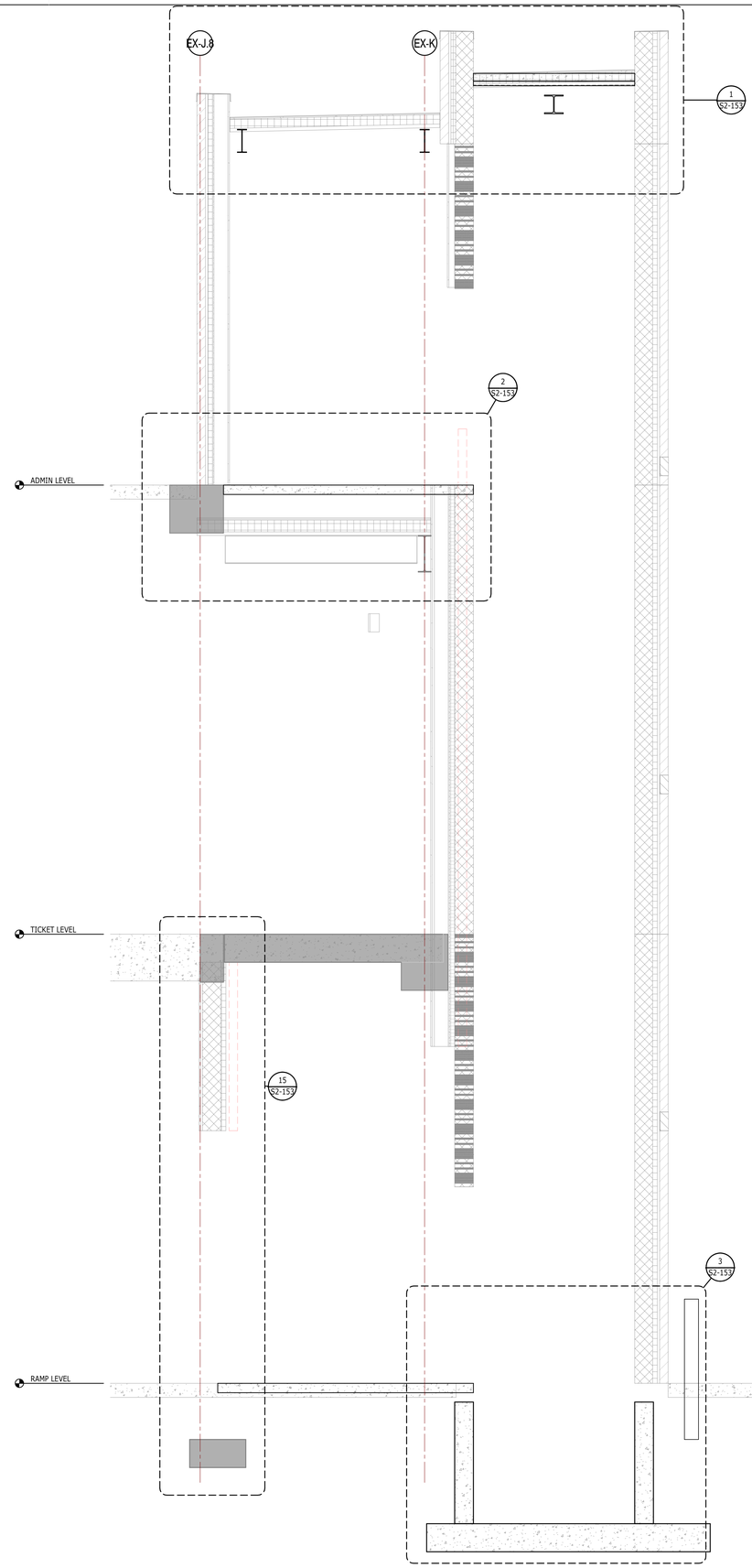
ELEVATOR DEMO PLANS

SHEET NUMBER

S2-151D




2 WALL SECTION
S2-152 1/2" = 1'-0"




1 WALL SECTION
S2-152 1/2" = 1'-0"

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*TERMINAL IMPROVEMENTS CONTRACT 4*

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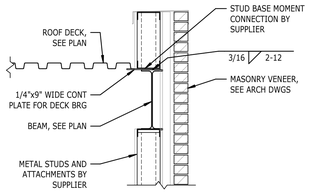
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3 03-28-2024 BD-54

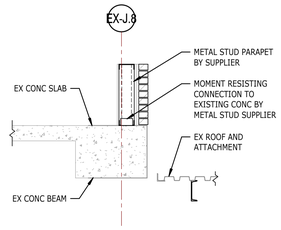
DATE 02/06/24
PROJECT NUMBER 9202-903
SHEET TITLE

3 ELEVATOR SECTIONS AND DETAILS

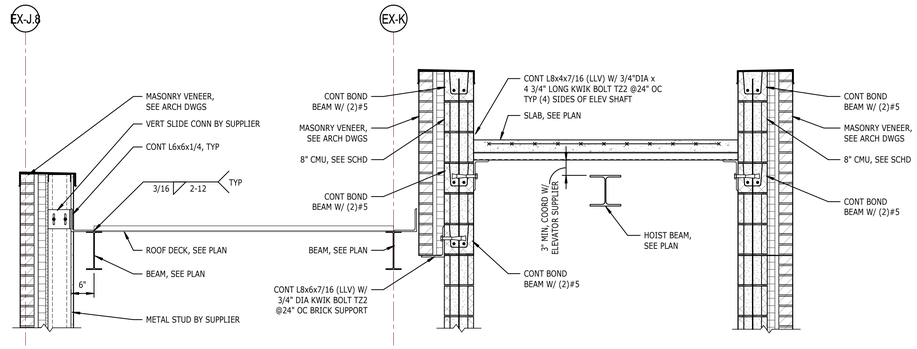
SHEET NUMBER
S2-152



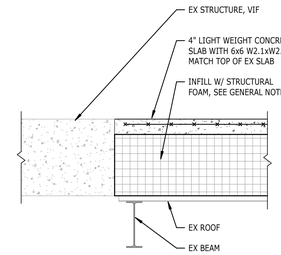

17 SECTION
S2-153 3/4" = 1'-0"



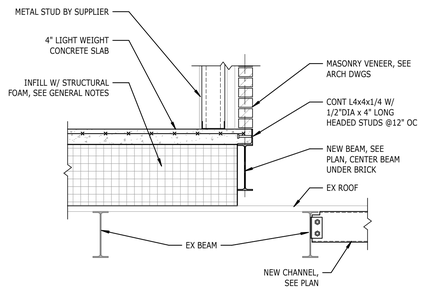

13 SECTION
S2-153 1/2" = 1'-0"



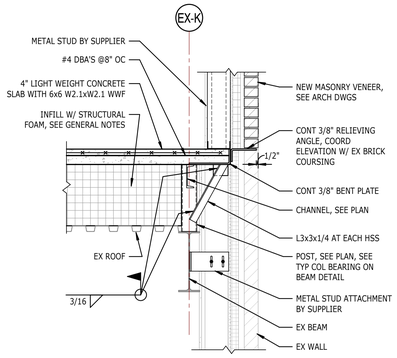

1 SECTION
S2-153 3/4" = 1'-0"



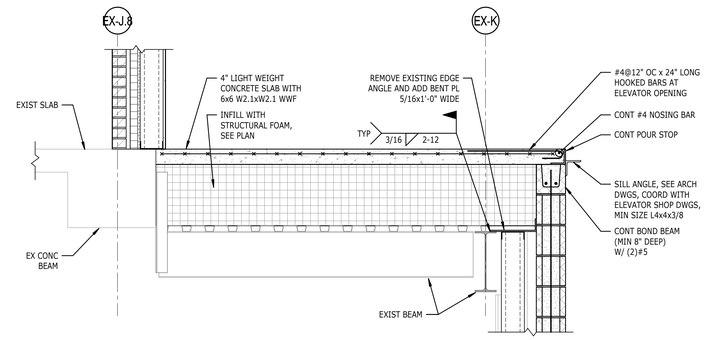

18 SECTION
S2-153 3/4" = 1'-0"



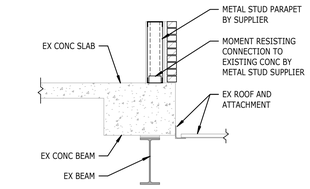

14 SECTION
S2-153 3/4" = 1'-0"



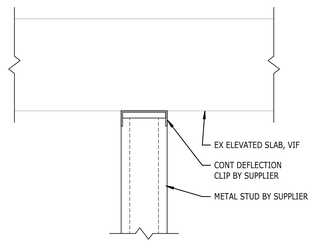

10 SECTION
S2-153 3/4" = 1'-0"



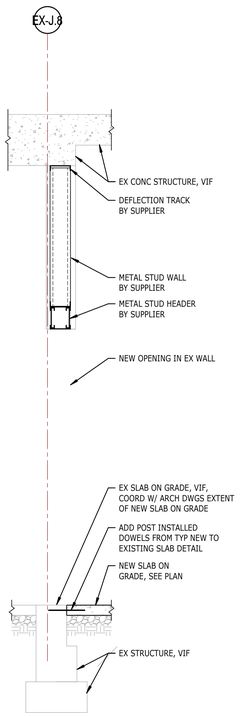

2 SECTION
S2-153 3/4" = 1'-0"



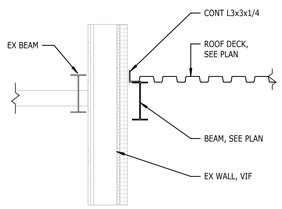

19 SECTION
S2-153 1/2" = 1'-0"



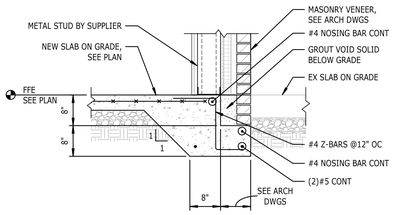

20 SECTION
S2-153 1 1/2" = 1'-0"



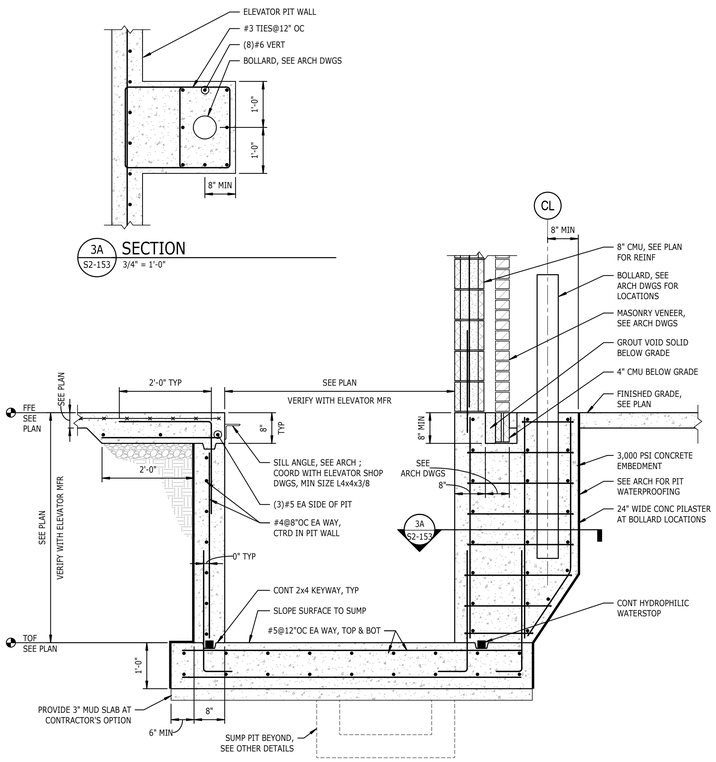

15 SECTION
S2-153 1/2" = 1'-0"




11 SECTION
S2-153 3/4" = 1'-0"




12 SECTION
S2-153 3/4" = 1'-0"




3A SECTION
S2-153 3/4" = 1'-0"

3 ELEVATOR PIT SECTION
S2-153 3/4" = 1'-0"

ILM
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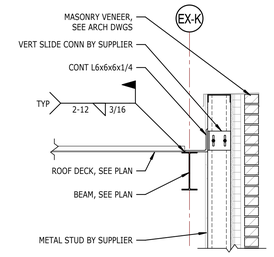
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| 3 | 03-28-2024 | BD-54 |

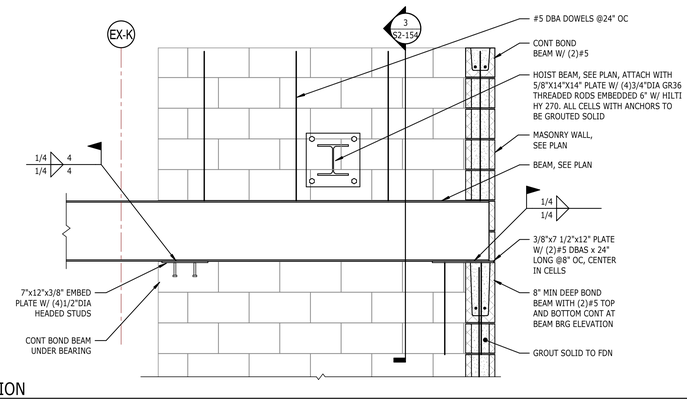
DATE 03/19/24
PROJECT NUMBER 9202-903
SHEET TITLE

ELEVATOR SECTIONS AND DETAILS

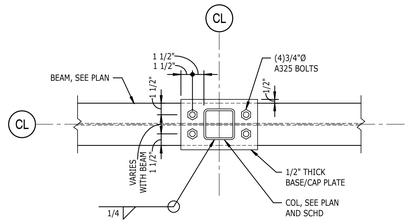
SHEET NUMBER
S2-153



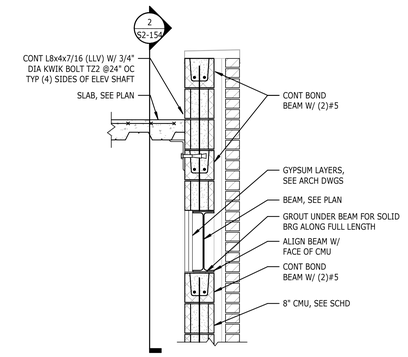

1 S2-154 SECTION
3/4" = 1'-0"



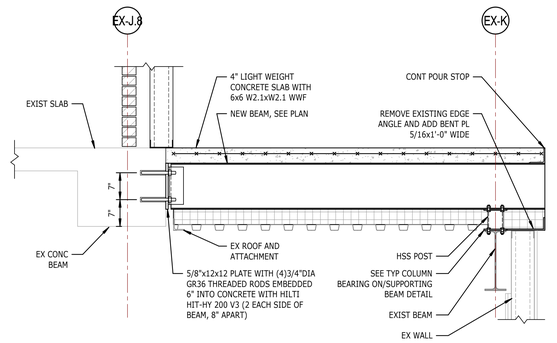

2 S2-154 SECTION
3/4" = 1'-0"




7 S2-154 TYPICAL COLUMN BEARING ON/SUPPORTING BEAM
1 1/2" = 1'-0"




3 S2-154 SECTION
3/4" = 1'-0"




4 S2-154 WALL SECTION
3/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 4

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

NORTH CAROLINA PROFESSIONAL SEAL 049671 ENGINEER BRIAN C. KANN

03/28/2024

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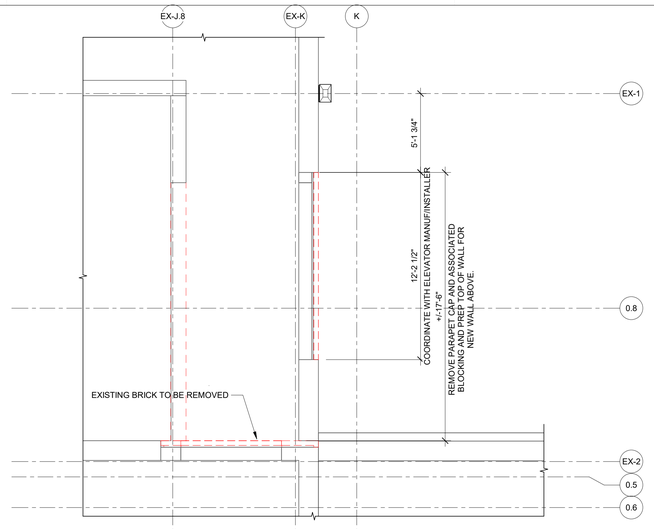
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3 03-28-2024 BD-54

DATE 03/21/24
PROJECT NUMBER 9202-903
SHEET TITLE

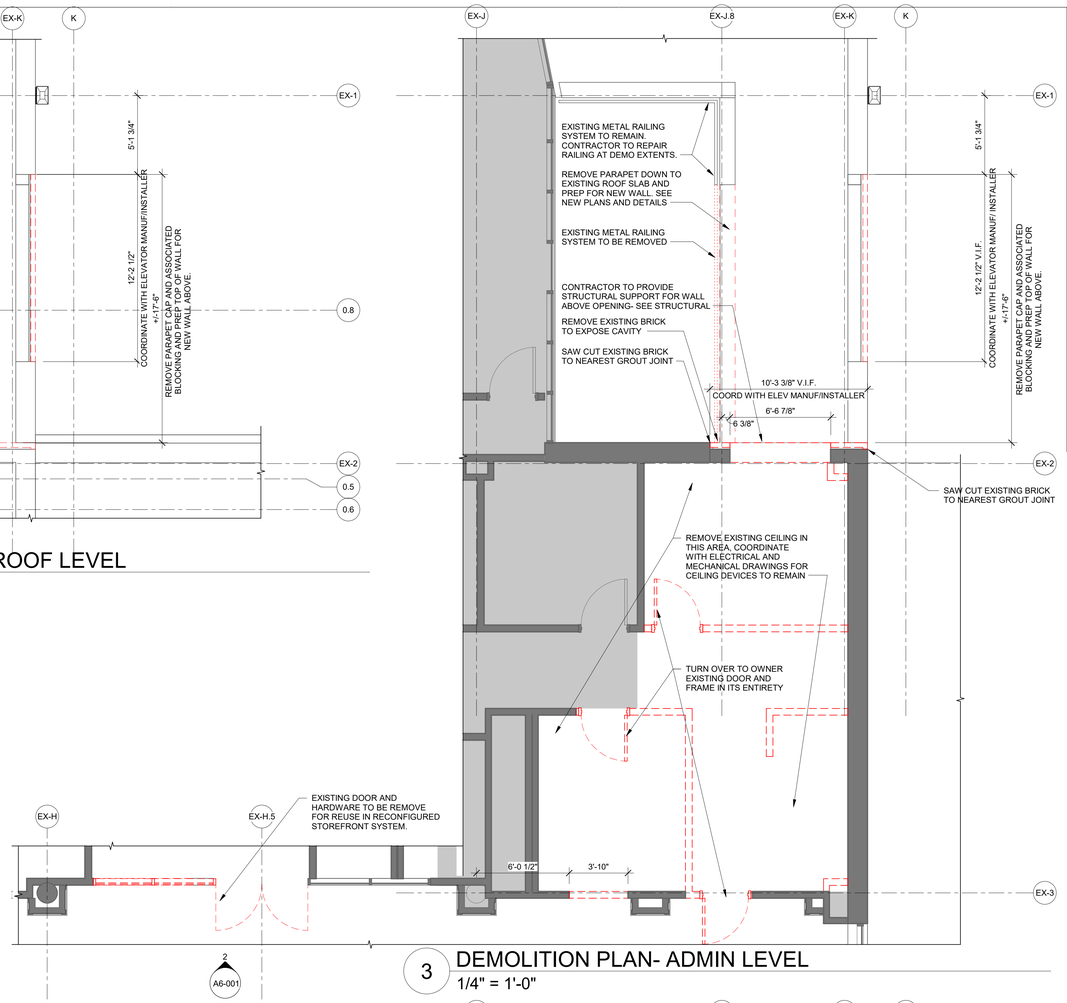
ELEVATOR SECTIONS AND DETAILS

SHEET NUMBER
S2-154




## 4 DEMOLITION PLAN- ROOF LEVEL

1/4" = 1'-0"




## 3 DEMOLITION PLAN- ADMIN LEVEL

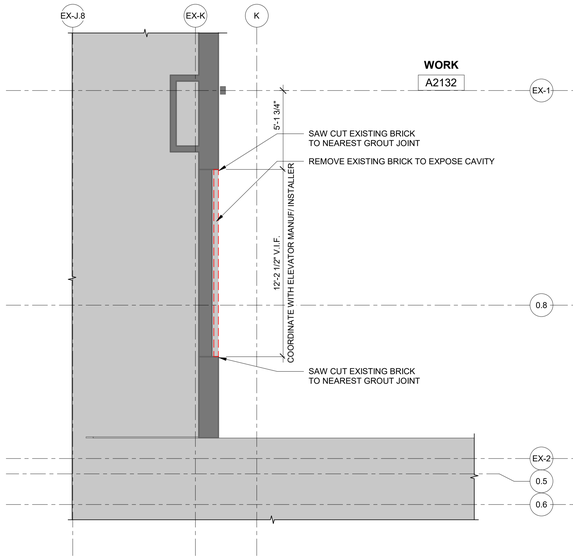
1/4" = 1'-0"

## DEMOLITION GENERAL NOTES

1. NUMBERED KEY NOTES DO NOT IMPLY SEQUENCE. CONTRACTOR TO PERFORM DEMOLITION WORK AS REQUIRED PER WORK SEQUENCE.
2. DEMOLITION DRAWINGS ARE INTENDED TO SHOW GENERAL AREAS OF DEMOLITION AS WELL AS GENERAL EXISTING CONDITIONS. THEY DO NOT SHOW ALL WORK WHICH MAY BE NECESSARY. COMPARE WITH DRAWINGS INDICATING NEW CONSTRUCTION.
3. REFER TO OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON DEMOLITION. REFER TO FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION.
4. EXISTING WORK TO REMAIN SHALL BE TEMPORARILY SECURED, BRACED, AND STABILIZED UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
5. VERIFY FIELD CONDITIONS PRIOR TO START OF DEMOTION AND CONSTRUCTION ACTIVITIES, AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
6. VERIFY THAT CONSTRUCTION INDICATED FOR REMOVAL IS NOT LOAD BEARING OR IS ADEQUATELY SHORED AS INDICATED ON STRUCTURAL DRAWINGS PRIOR TO STARTING ANY WORK.
7. ERECT BARRICADES, FENCES OR OTHER SECURABLE MEANS TO PREVENT UNAUTHORIZED ACCESS INTO CONSTRUCTION ZONES.
8. DO NOT ALLOW MATERIAL AND DEBRIS GENERATED BY DEMOLITION ACTIVITIES TO ACCUMULATE ON THE JOB SITE. REMOVE DAILY AND DISPOSE OF IN A LEGAL MANNER. NO ON-SITE SALE OR BURNING OF REMOVED ITEMS IS PERMITTED.
9. THE CONTRACTOR MUST MAINTAIN ADEQUATE SUPPORT INSULATION, WATERPROOFING, EMERGENCY LIGHTING, SECURITY, ALARMS, ETC. FOR ALL OR PART OF ITEMS WHICH ARE TO REMAIN.
10. TERMINATE AND CAP ANY UTILITY IN WALLS CEILINGS AND FLOORS TO BE REMOVED AND NOT INTENDED FOR REUSE.
11. PREPARE AND PATCH SURFACES THAT RECEIVE NEW FINISHES AS REQUIRED, BY REMOVING OR RELOCATING DEVICES, WIRING, OR OTHER APPURTENANCES NO LONGER APPROPRIATE FOR THE NEW USE OF THE ROOM.
12. MAINTAIN EXISTING FINISHES, OPERATIONAL CHARACTERISTICS, AND APPEARANCE OF ITEMS SCHEDULED TO REMAIN OR BE REUSED.
13. CLEAN, PATCH, REPAIR, AND PREPARE ALL SURFACES AS REQUIRED TO RECEIVE SCHEDULED FINISHES INCLUDING BUT NOT LIMITED TO GRINDING, MOISTURE MITIGATION, CRACK SUPPRESSION, CRACK REPAIR, AND LEVELING. NOTE THAT ADDITIONAL GRINDING OF THE FLOOR AT COLUMN BASES MAY BE REQUIRED TO ENSURE THAT THE CARPET FINISH IS EVEN WITH THE TERRAZZO FINISH.
14. ONLY ONE SET OF FIDS CAN BE OUT OF COMMISSION AT ANY GIVEN TIME, UNLESS DOWNTIME IS LIMITED TO OVERNIGHT. WHEN ONE SET OF FIDS IS DOWN, GC IS TO PROVIDE SIGNAGE DIRECTING PASSENGERS TO OTHER FIDS BANKS.
15. WHERE WALLS ARE INDICATED TO BE DEMOLISHED ALONG EXISTING TENANT OR AIRPORT SPACES, INTERIOR FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL, AND TELECOM SERVICES ARE TO BE RELOCATED AND COORDINATED WITH NEW WALLS. PROVIDED ONE-FOR-ONE RELOCATION OR REPLACEMENT OF AFFECTED SERVICE.
16. ALL EXISTING GATE SIGNS ARE TO BE REMOVED AND TURNED-OVER TO THE OWNER.

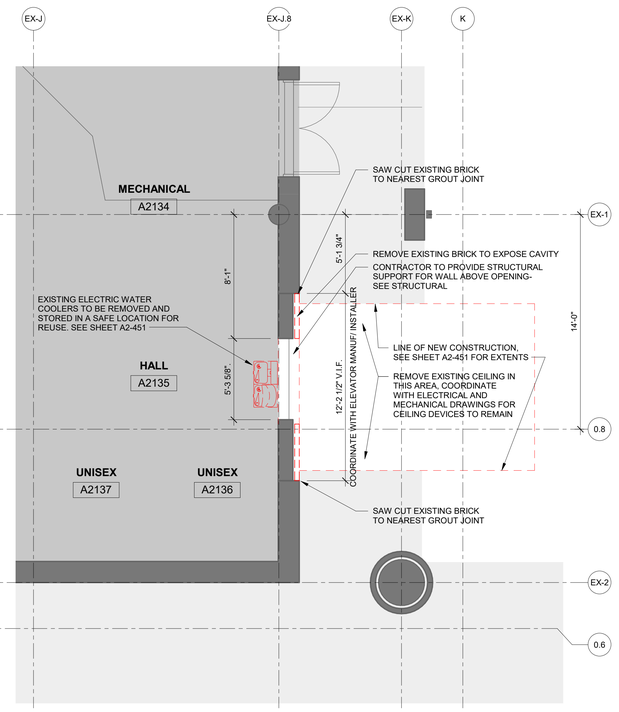
## PARTITION LEGEND

- EXISTING PARTITION TO REMAIN
- EXISTING PARTITION TO BE REMOVED
- NEW PARTITION- SEE PARTITION TYPES
- NEW RATED PARTITION- SEE PARTITION TYPES




## 2 DEMOLITION PLAN- TICKET LEVEL

1/4" = 1'-0"




## 1 DEMOLITION PLAN- RAMP LEVEL

1/4" = 1'-0"


ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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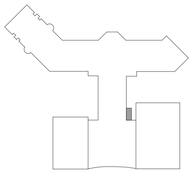
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| 1 | 03/28/2024 | BD-054 |

| | |
|---|---|
| DATE | 03/28/2024 |
| PROJECT NUMBER | 9202-903 |
| SHEET TITLE | |

ENLARGED DEMOLITION PLANS

TRUE NORTH

SHEET NUMBER

# AD-451




## PLAN LEGEND

- 8" REINFORCED CMU
- 8" CAST IN PLACE CONCRETE
- PARTITION AS SCHEDULED
- DIM. EIFS & CMU
- DIM. EIFS & C.I.P. CONCRETE
- 1 HOUR FIRE RATED PARTITION
- BRICK VENEER
- EXISTING COVERED AREA
- EXISTING ENCLOSED AREA
- EXISTING WALLS/COLUMNS
- RD = ROOF DRAIN LOCATION

1 01 ELEVATOR- RAMP LEVEL FLOOR PLAN
1/8" = 1'-0"

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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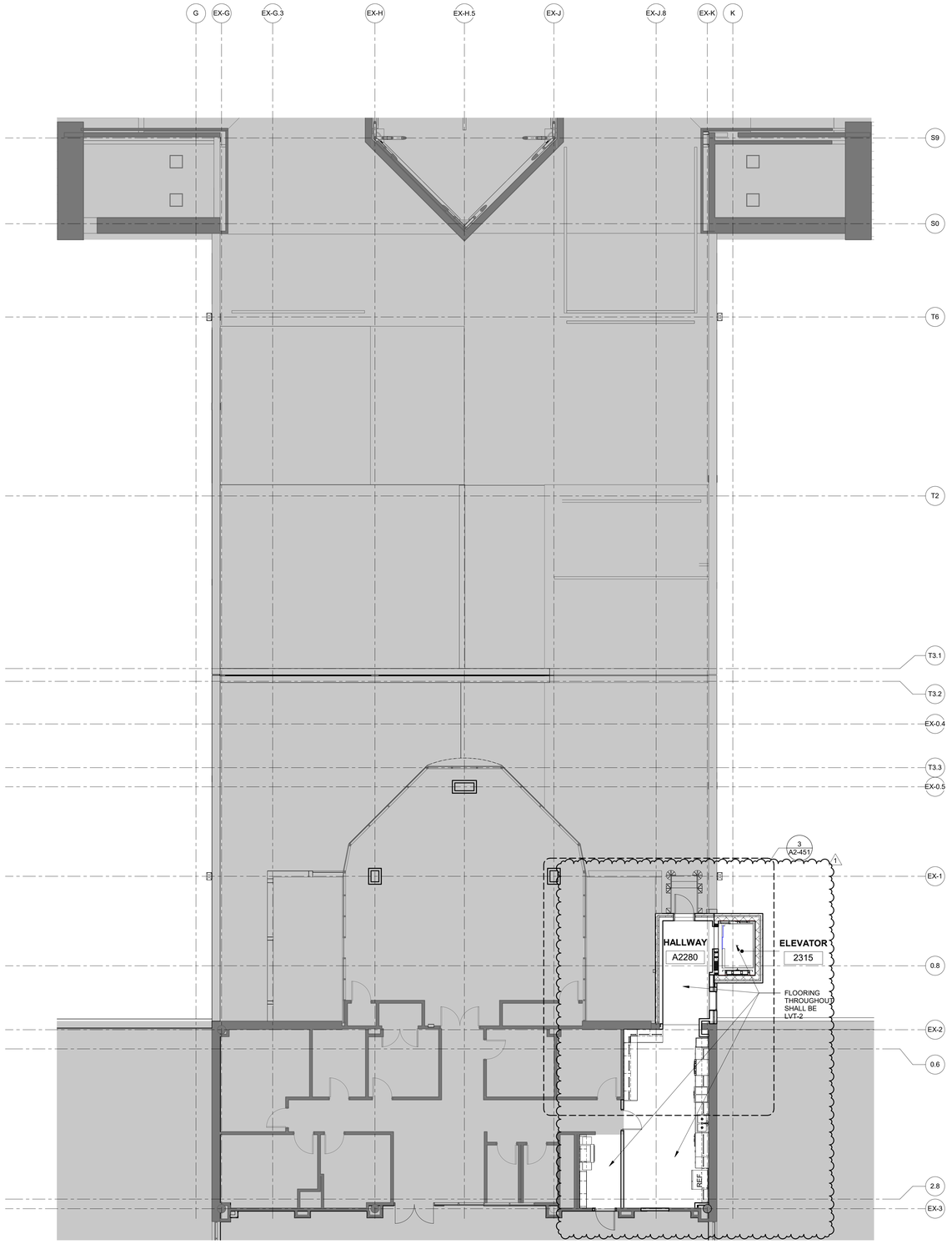
REVISIONS

1 03/28/2024 BD-054

DATE 02/16/24
PROJECT NUMBER 9202-903
SHEET TITLE

RAMP LEVEL FLOOR PLAN ZONE 3

SHEET NUMBER
A2-117




## PLAN LEGEND

- 8" REINFORCED CMU
- 8" CAST IN PLACE CONCRETE
- PARTITION AS SCHEDULED
- DIM. EIFS & CMU
- DIM. EIFS & C.I.P. CONCRETE
- 1 HOUR FIRE RATED PARTITION
- BRICK VENEER
- EXISTING COVERED AREA
- EXISTING ENCLOSED AREA
- EXISTING WALLS/COLUMNS
- RD = ROOF DRAIN LOCATION

1

GENERAL FLOORING NOTE:

ALL EXISITNG FLOORING ADMIN OFFICE AREA SHALL BE REMOVED AND REPLACED TO MATCH CONFERENCE ROOM - LVT 2.

ALL EXISTING FLOOR IN MEZZANINE CIRCUALTION AREA SHALL BE REMOVED AND REPLACED WITH LVT 2

1 ADMIN LEVEL ZONE 3 FLOOR PLAN
1/8" = 1'-0"

ILM

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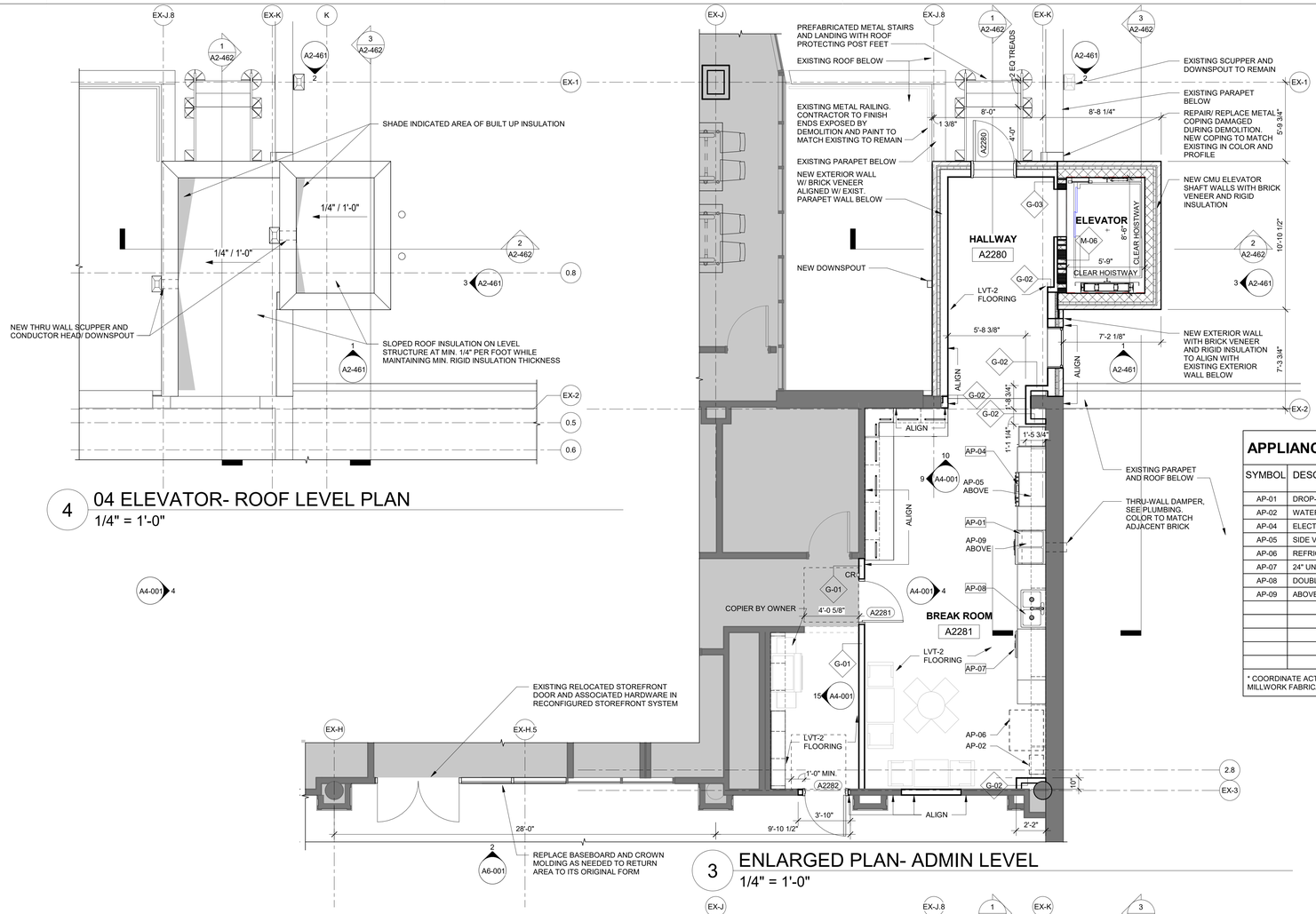
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| 1 | 03/28/2024 | BD-054 |

DATE 02/16/24
PROJECT NUMBER 9202-903
SHEET TITLE

ADMIN LEVEL FLOOR PLAN ZONE 3

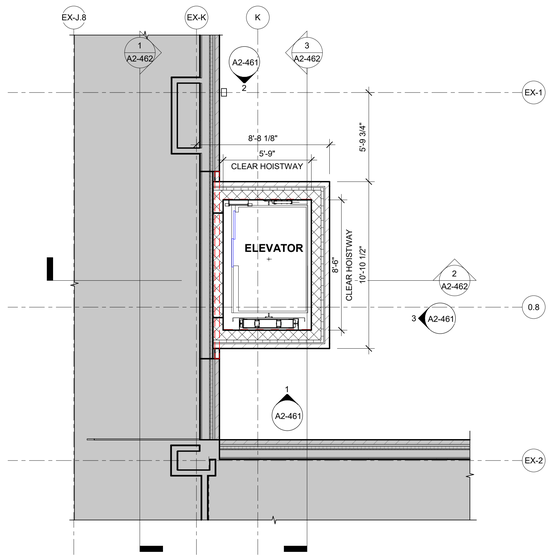
SHEET NUMBER

A2-134

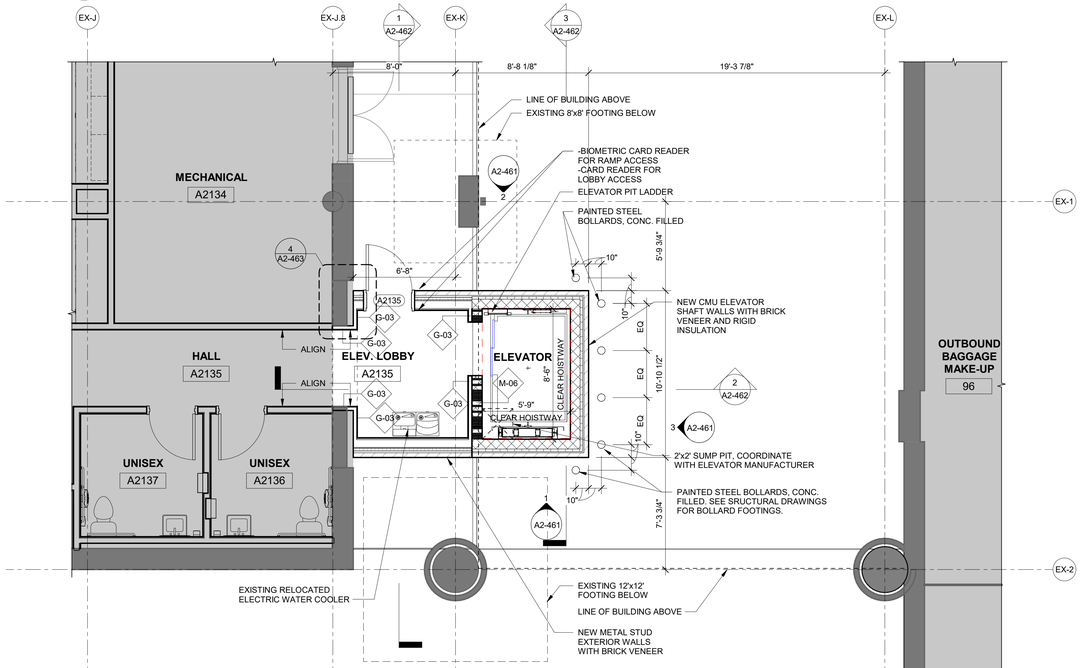



## 4 04 ELEVATOR- ROOF LEVEL PLAN
1/4" = 1'-0"

## 3 ENLARGED PLAN- ADMIN LEVEL
1/4" = 1'-0"




## 2 ENLARGED PLAN- TICKET LEVEL
1/4" = 1'-0"




## 1 ENLARGED PLAN- RAMP LEVEL
1/4" = 1'-0"

## PARTITION LEGEND

| | |
|---|---|
| | EXISTING PARTITION TO REMAIN |
| | EXISTING PARTITION TO BE REMOVED |
| | NEW PARTITION- SEE PARTITION TYPES |
| | NEW RATED PARTITION- SEE PARTITION TYPES |

## APPLIANCE LEGEND

| SYMBOL | DESCRIPTION | MODEL (BASIS OF DESIGN) |
|---|---|---|
| AP-01 | DROP-IN WARMER | WELLS MOD-200TDM |
| AP-02 | WATER COOLER- OWNER PROVIDED | N/A |
| AP-04 | ELECTRIC FRONT CONTROL RANGE | WHIRLPOOL- #WEE510S0FB |
| AP-05 | SIDE VENT 30" RANGE HOOD | GE- #JVX5305DJBB |
| AP-06 | REFRIGERATOR- OWNER PROVIDED | N/A |
| AP-07 | 24" UNDERCOUNTER DISHWASHER- LARGE CAPACITY | WHIRLPOOL- #WDTA50SAKB |
| AP-08 | DOUBLE BOWL SINK - MATTE BLACK | KOHLER- CAIRN - K-8204-CM1 |
| AP-09 | ABOVE COUNTER MICROWAVE W/ VENT HOOD | WHIRLPOOL- #WMMF7530RV |
| | | |
| | | |
| | | |
| | | |
| | | |

* COORDINATE ACTUAL SIZE WITH APPLIANCE MANUFACTURER/ INSTALLER PRIOR TO MILLWORK FABRICATION

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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TRAVIS WALKER PENCE, REGISTERED ARCHITECT, 9272, NORTH CAROLINA, CHARLOTTE, N.C.


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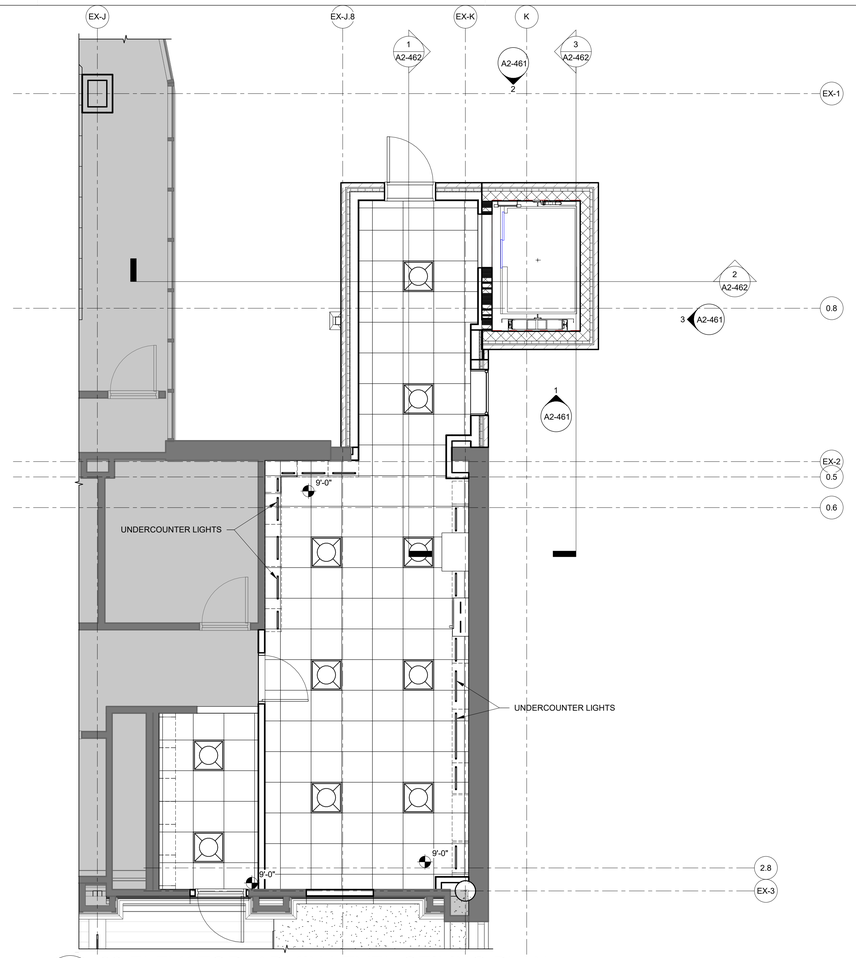
DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

ENLARGED ELEVATOR FLOOR PLANS

SHEET NUMBER

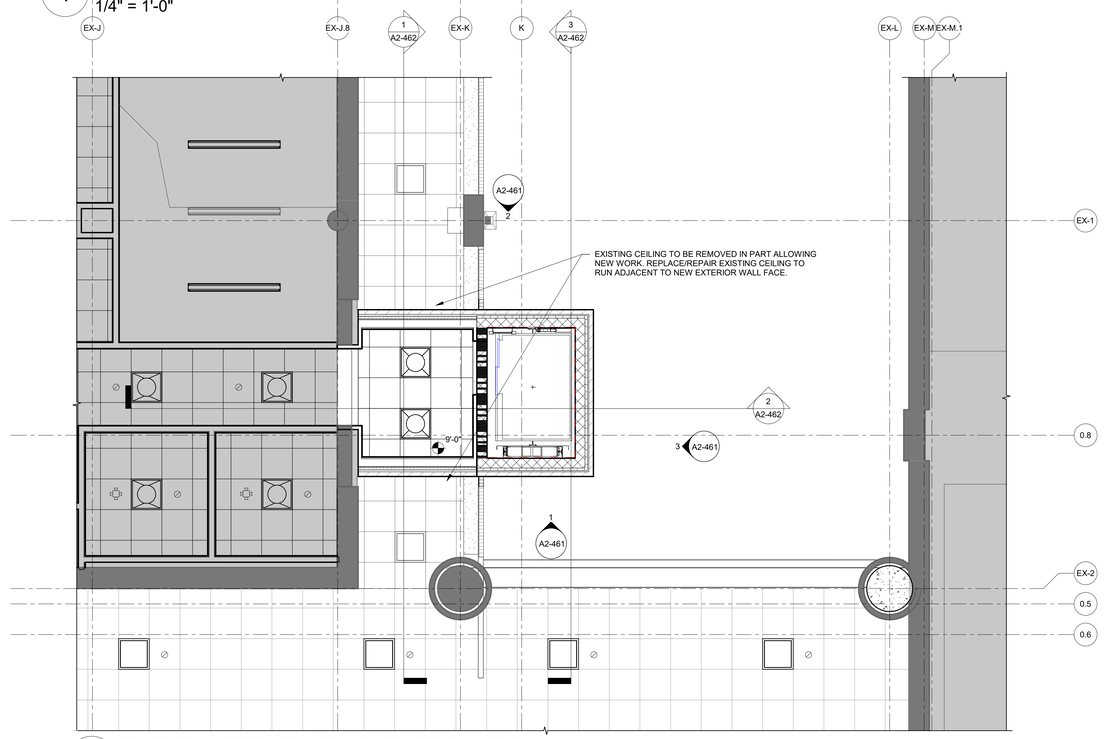
A2-451

TRUE NORTH




1 03 ELEVATOR- ADMIN LEVEL CEILING PLAN

1/4" = 1'-0"




2 01 ELEVATOR- RAMP LEVEL CEILING PLAN

1/4" = 1'-0"

ILM

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CHARLOTTE, N.C.

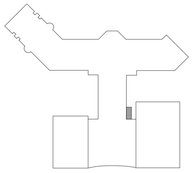
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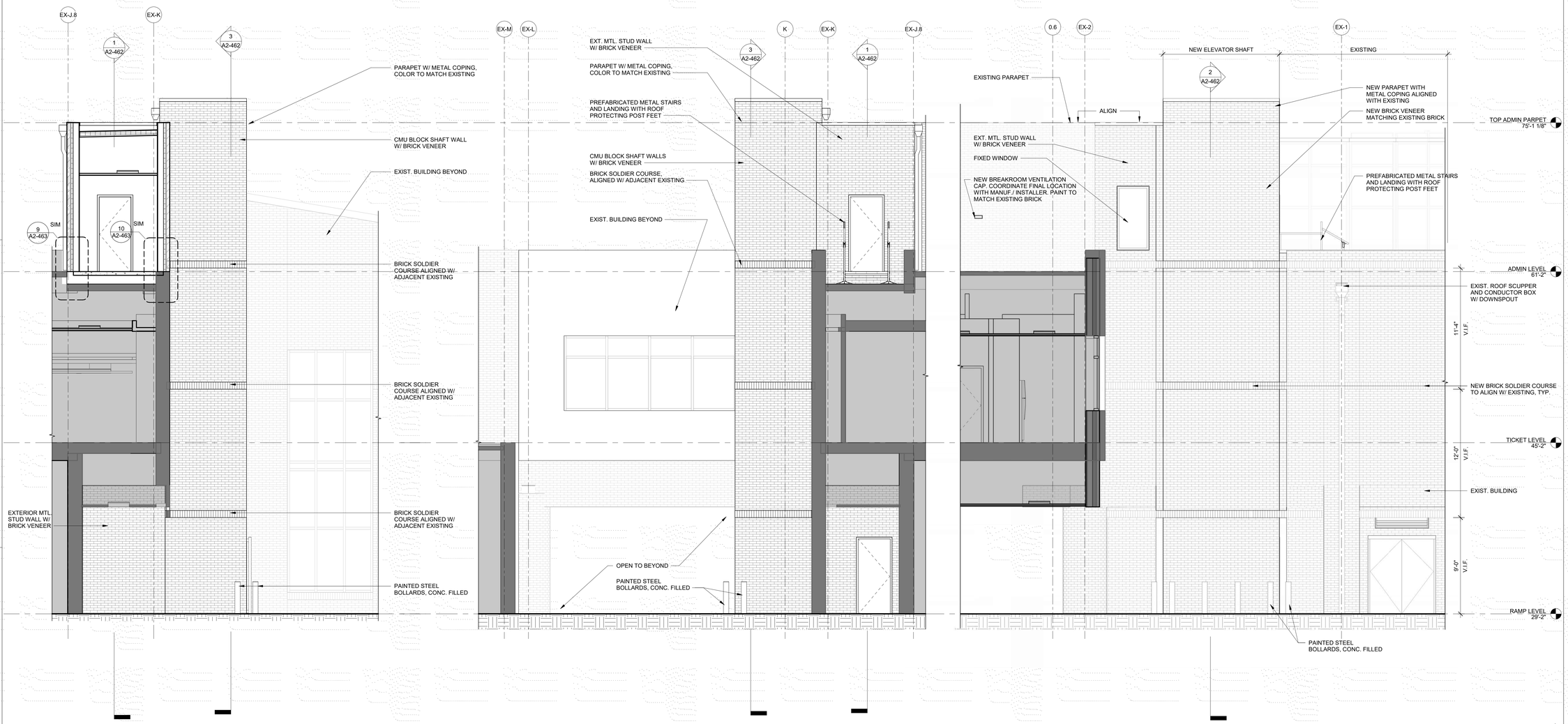
DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

ENLARGED ELEVATOR CEILING PLANS

TRUE NORTH

SHEET NUMBER

A2-452




1 EXTERIOR ELEVATION
1/4" = 1'-0"

2 EXTERIOR ELEVATION
1/4" = 1'-0"

3 EXTERIOR ELEVATION
1/4" = 1'-0"

ILM

# TERMINAL IMPROVEMENTS CONTRACT 4

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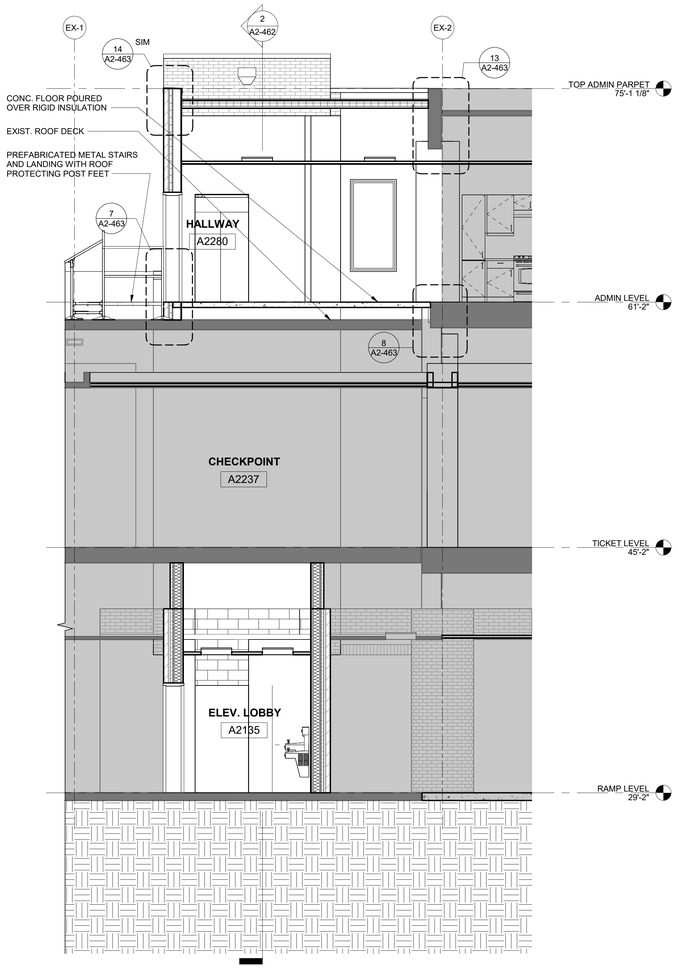
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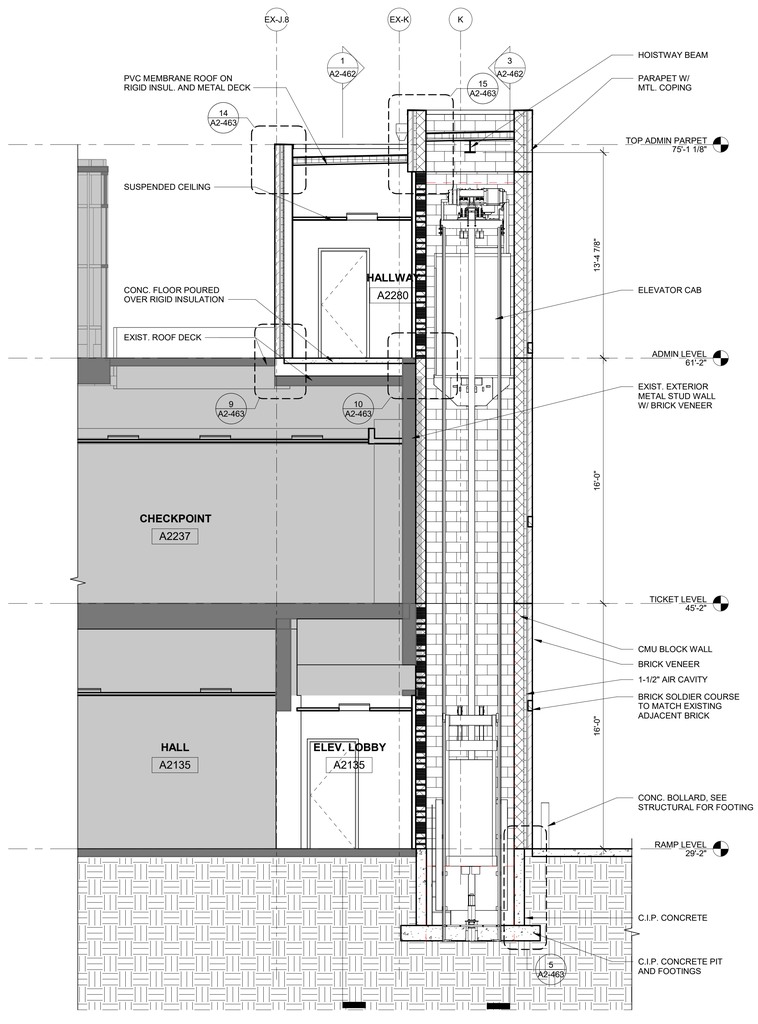
ELEVATOR ELEVATIONS

SHEET NUMBER

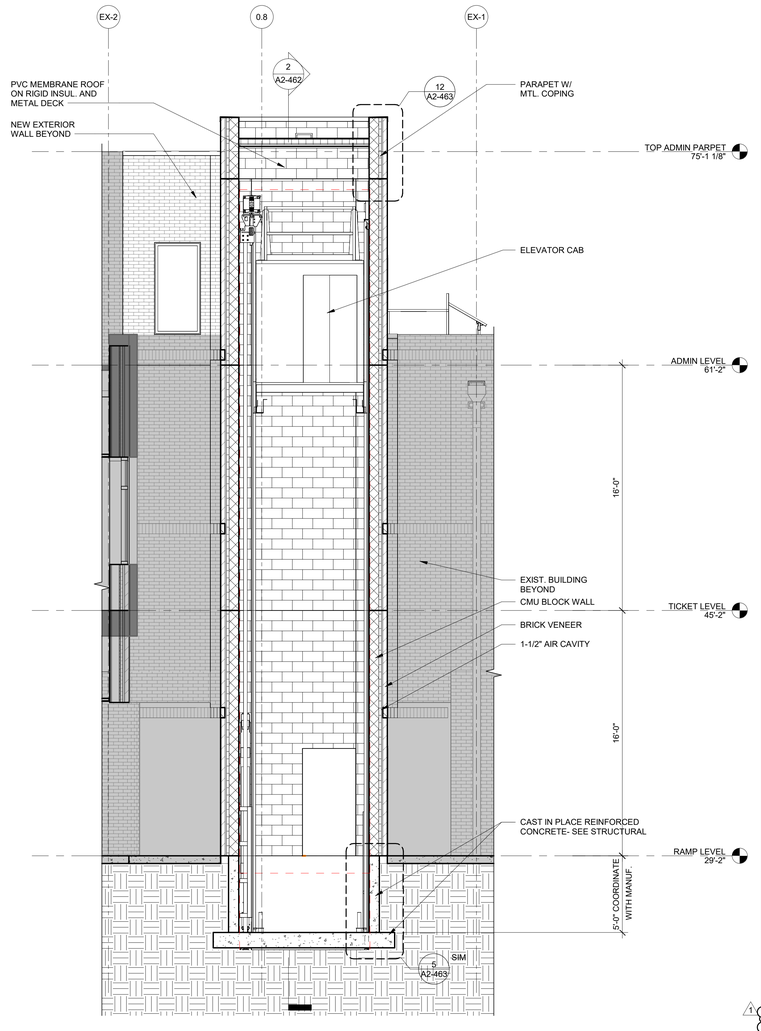
A2-461




1 BUILDING SECTION
1/4" = 1'-0"




2 ELEVATOR SECTION
1/4" = 1'-0"




3 ELEVATOR SECTION
1/4" = 1'-0"

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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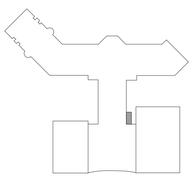

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KEY PLAN


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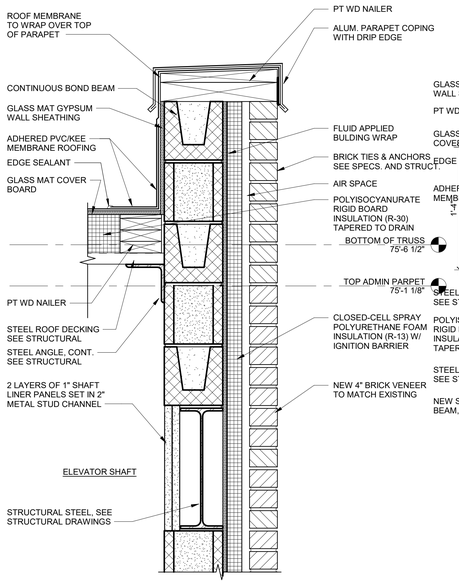
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| 1 | 03/28/2024 | BD-054 |

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| DATE | 03/28/2024 |
| PROJECT NUMBER | 9202-903 |
| SHEET TITLE | |

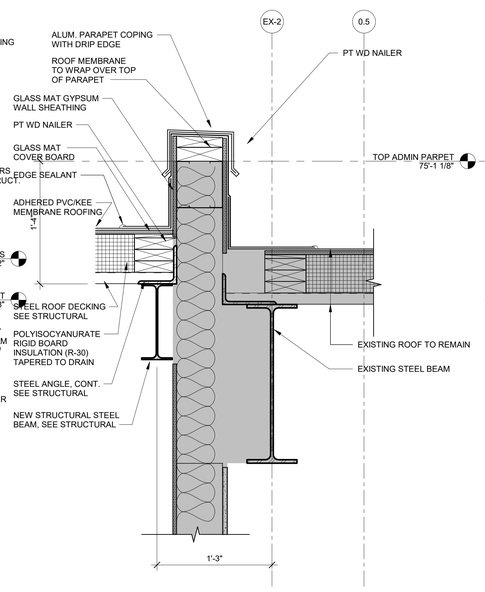
ELEVATOR SECTIONS

SHEET NUMBER

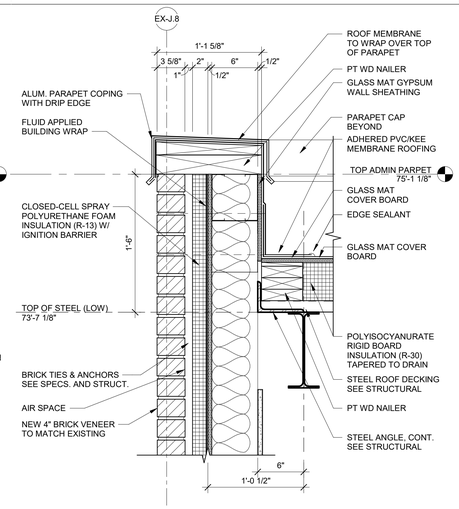
A2-462



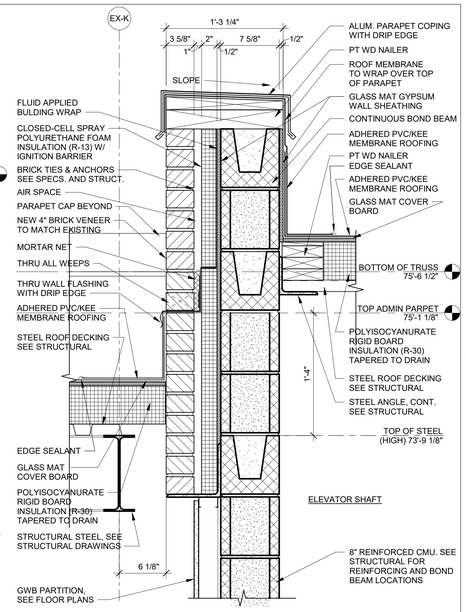

12 ELEV- SECTION DETAIL 11
1 1/2" = 1'-0"




13 SECTION DETAIL
1 1/2" = 1'-0"




14 SECTION DETAIL
1 1/2" = 1'-0"




15 SECTION DETAIL
1 1/2" = 1'-0"




7 SECTION DETAIL
1 1/2" = 1'-0"




8 SECTION DETAIL
1 1/2" = 1'-0"




9 SECTION DETAIL
1 1/2" = 1'-0"




10 SECTION DETAIL
1 1/2" = 1'-0"




4 PLAN DETAIL
1" = 1'-0"




5 SECTION DETAIL
1 1/2" = 1'-0"

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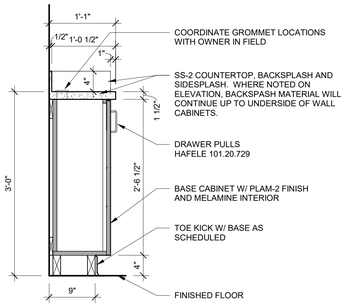
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| 1 | 03/28/2024 | BD-054 |

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PROJECT NUMBER 9202-903
SHEET TITLE

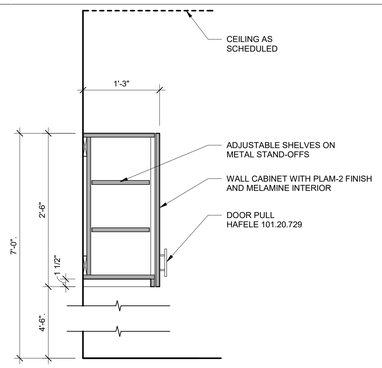
SECTION DETAILS

SHEET NUMBER

A2-463




## 18 CASEWORK SECTION
1" = 1'-0"

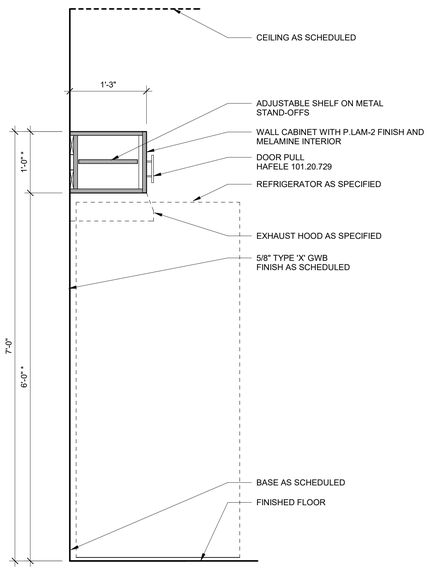



## 19 CASEWORK SECTION
1" = 1'-0"

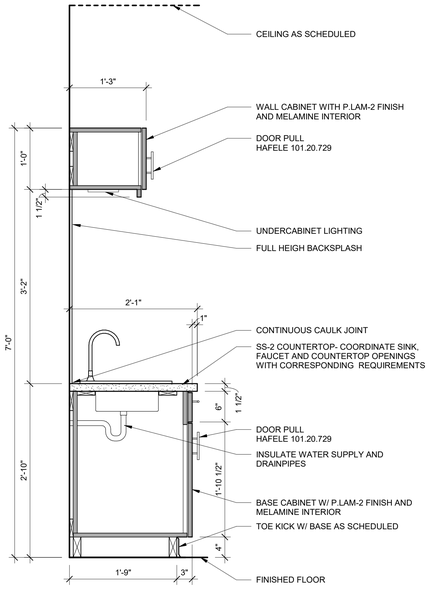
## APPLIANCE LEGEND

| SYMBOL | DESCRIPTION | MODEL (BASIS OF DESIGN) |
|---|---|---|
| AP-01 | DROP-IN WARMER | WELLS MOD-200TDM |
| AP-02 | WATER COOLER- OWNER PROVIDED | |
| AP-04 | ELECTRIC FRONT CONTROL RANGE | WHIRLPOOL- #WEE510S0FB |
| AP-05 | SIDE VENT 30" RANGE HOOD | GE- #JVX5305DJBB |
| AP-06 | REFRIGERATOR- OWNER PROVIDED | |
| AP-07 | 24" UNDERCOUNTER DISHWASHER- LARGE CAPACITY | WHIRLPOOL- #WDTA50SAKB |
| AP-08 | DOUBLE BOWL SINK - MATTE BLACK | KOHLER- CAIRN - K-8204-CM1 |
| AP-09 | ABOVE COUNTER MICROWAVE W/ VENT HOOD | WHIRLPOOL- #WMMF7530RV |
| | | |
| | | |
| | | |
| | | |
| | | |

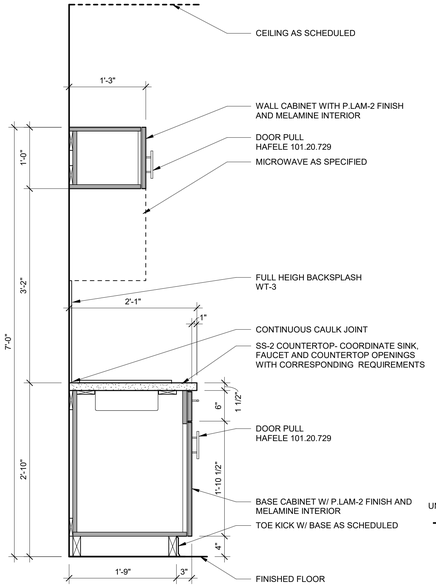
* COORDINATE ACTUAL SIZE WITH APPLIANCE MANUFACTURER/ INSTALLER PRIOR TO MILLWORK FABRICATION



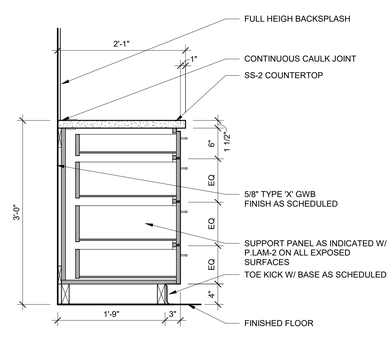

## 6 CASEWORK SECTION
1" = 1'-0"



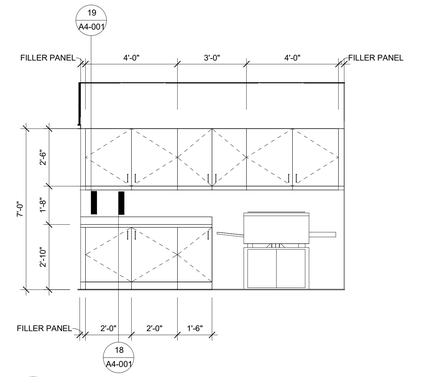

## 7 CASEWORK SECTION
1" = 1'-0"



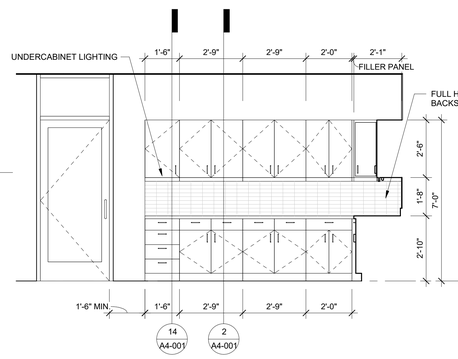

## 8 CASEWORK SECTION
1" = 1'-0"



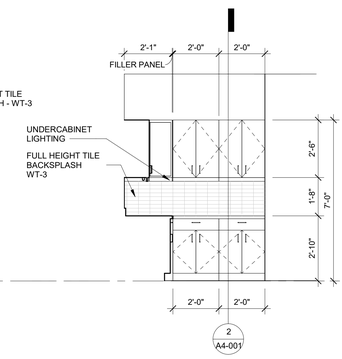

## 14 CASEWORK SECTION
1" = 1'-0"




## 15 WORKROOM
3/8" = 1'-0"



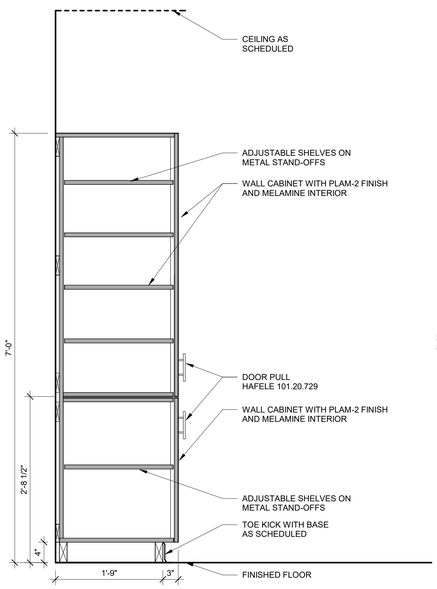

## 9 BREAKROOM ELEVATION
3/8" = 1'-0"



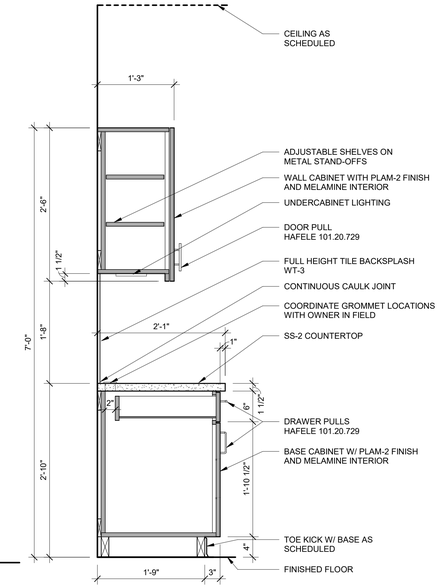

## 10 BREAKROOM ELEVATION
3/8" = 1'-0"



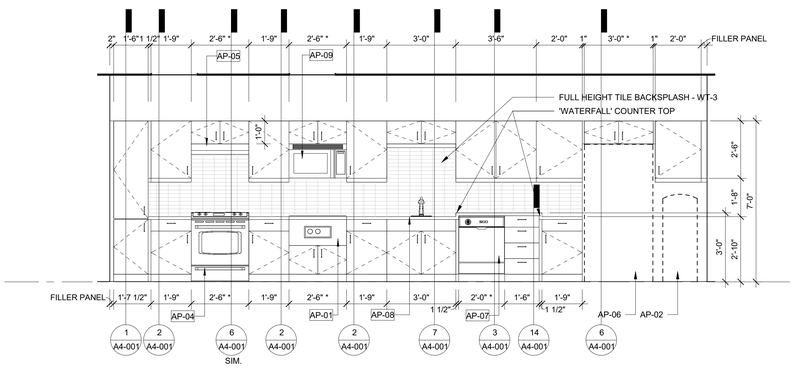

## 3 CASEWORK SECTION
1" = 1'-0"




## 1 CASEWORK SECTION
1" = 1'-0"




## 2 CASEWORK SECTION
1" = 1'-0"




## 4 BREAKROOM ELEVATION
3/8" = 1'-0"


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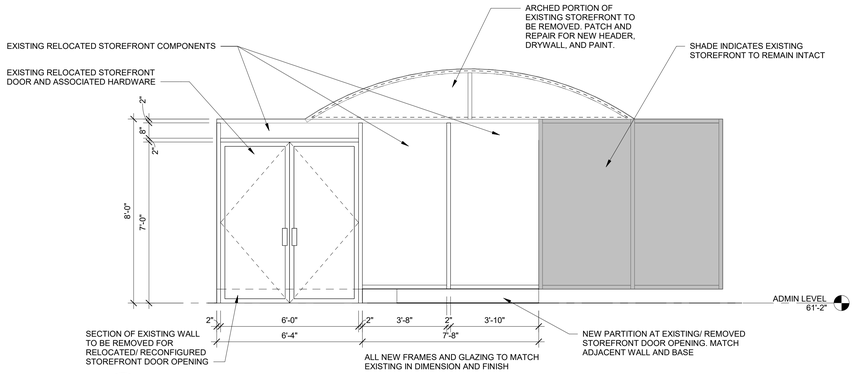
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SHEET TITLE
INTERIOR ELEVATIONS

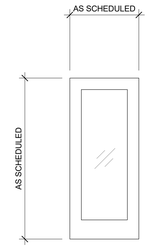
SHEET NUMBER
A4-001

## DOOR SCHEDULE - SCHEDULE

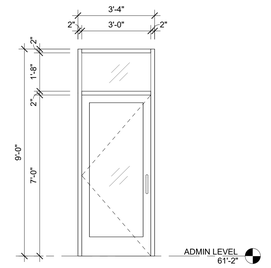
| Door No. | Room Name | Size | DOOR | | FRAME | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Door Material | Door Finish | Frame Type | Frame Material | Frame Finish | Head Detail | Jamb Detail | Threshold Detail | Fire Rating | Comments |
| RAMP LEVEL | | | | | | | | | | | | |
| A2135 | ELEV. LOBBY | 36"x84" | HM | Paint | F1 | HM | PNT | | | | 0 HR | EXTERIOR- WEATHER SEAL |
| ADMIN LEVEL | | | | | | | | | | | | |
| A2280 | HALLWAY | 36"x84" | HM | PNT | F1 | HM | PNT | | | | 0 HR | EXTERIOR- WEATHER SEAL |
| A2281 | BREAK ROOM | 36"x84" | ALUM | FACTORY | Storefront | ALUM | FACTORY | | | | 0 HR | CARD READER |




2 ELEV- ATRIUM STOREFRONT
3/8" = 1'-0"




A DOOR AND FRAME TYPES
3/8" = 1'-0"




1 STOREFRONT- ADMIN LEVEL
3/8" = 1'-0"


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DATE 03/28/24
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SHEET TITLE

# DOOR SCHEDULE AND DETAILS

SHEET NUMBER

# A6-001

# FINISH LEGEND - ILM INTERNATIONAL AIRPORT

**PLASTIC FABRICATIONS** **(SECTION 06 06 60)**

| | | |
|---|---|---|
| **AP-1** | MANUFACTURER: | 3FORM |
| | SIZE: | REFER TO ARCHITECTURAL INTERIOR ELEVATIONS |
| | MATERIAL: | VARIA ECORESIN 1/4" |
| | FINISH: | SANDSTONE F01 |
| | STYLE: | SURF B38 + POWDER D03 |
| | NOTES: | |

**WOOD DOOR STAIN** **(SECTION 08 14 16)**

| | | |
|---|---|---|
| **DS-1** | GRADE: | CUSTOM, WITH GRADE A FACES |
| | SPECIES, CUT, CORE: | MATCH EXISTING |
| | CONSTRUCTION: | 7 PLIES, EITHER BONDED OR NONBONDED CONSTRUCTION |
| | FINISH: | MATCH EXISTING |
| | NOTES: | |

**ACOUSTICAL PANEL CEILING** **(SECTION 09 51 13)**

| | | |
|---|---|---|
| **APC-1** | MANUFACTURER: | ARMSTRONG |
| | STYLE: | TECHZONE WITH ULTIMA |
| | SIZE: | SEE RCPS |
| | COLOR: | WHITE |
| | EDGE: | 9/16" BEVELED TEGULAR |
| | NRC: | 0.70 |
| | GRID: | SUPRAFINE XL 9/16" |
| | GRID COLOR: | WHITE |
| | EDGE TRIM: | AT BAG CLAIM SUSPENDED CEILINGS, INSTALL WITH AXIOM CLASSIC PERIMTER TRIM, 4" TALL X 3/4" WIDE. |
| | NOTES: | BAGGAGE CLAIM, CHECK POINT LOBBY, HOLD ROOMS |
| | EQUAL 1: | USG MARS LOGIX |
| | EQUAL 2: | CERTAINTEED |
| **APC-2** | MANUFACTURER: | ARMSTRONG |
| | STYLE: | ULTIMA |
| | SIZE: | 24"X24" |
| | COLOR: | WHITE |
| | EDGE: | 9/16" BEVELED TEGULAR |
| | NRC: | 0.70 |
| | GRID: | SUPRAFINE XL 9/16" EXPOSED TEE |
| | GRID COLOR: | WHITE |
| | NOTES: | AIRLINE OFFICES. INSTALL AT 10'-0" AFF, UNO. |
| | EQUAL 1: | USG MARS CLIMAPLUS |
| | EQUAL 2: | CERTAINTEED SYMPHONY F W/ TRIM EDGE |
| **APC-3** | MANUFACTURER: | USG |
| | STYLE: | #3260 GYPSUM PANEL WITH HOLD DOWN CLIPS |
| | SIZE: | 24"X24" |
| | COLOR: | WHITE (VINYL FACE) |
| | EDGE: | SQUARE (SQ) |
| | NRC: | N/A |
| | GRID: | DONN BRAND ZXLA 15/16" |
| | GRID COLOR: | FLAT WHITE 050 |
| | NOTES: | INSTALL WITH T15 HOLD DOWN CLIPS PER MANUF SPECS - DESIGNED AND INSTALLED FOR WIND LOAD |
| | EQUAL 1: | ARMSTRONG |
| | EQUAL 2: | CERTAINTEED |

**LINEAR METAL CEILING** **(SECTION 09 54 23)**

| | | |
|---|---|---|
| **LMC-1** | MANUFACTURER: | USG |
| | STYLE: | PARALINE PLUS, PERFORATED WITH ACOUSTICAL BACKER |
| | SIZE: | 7 1/4" WIDE X LENGTH SHOWN ON DRAWINGS |
| | COLOR: | SHERWIN WILLIAMS (NON-METALLIC) TO BE SELECTED BY ARCHITECT |
| | EDGE: | BLACK FILLER STRIP |
| | NRC: | N/A |
| | SUSPENSION: | PARALOCK CARRIER |
| | GRID COLOR: | N/A |
| | EDGE TRIM: | WALL MOULD IN COORDINATING SHERWIN WILLIAMS COLOR |
| | NOTES: | |
| | EQUAL 1: | ARMSTRONG |
| | EQUAL 2: | HUNTER DOUGLAS |

**RESINOUS MATRIX TERRAZZO** **(SECTION 09 66 23)**

| | | |
|---|---|---|
| **TR-1** | MANUFACTURER: | DAVID ALLEN COMPANY |
| | FINISH: | POLISHED TO 3000 GRIT |
| | GENERAL COLOR: | WHITE |
| | CONTROL SAMPLE: | TZ-6 062018 FNJ |
| | THICKNESS: | 3/8" |
| | NOTES: | INCLUDE GRINDING, MOISTURE MITIGATION, CRACK SUPPRESSION, CRACK REPAIR, LEVELING AND UNDERLAYMENT FILL AS REQUIRED TO PROVIDE TERRAZZO HEIGHT. |
| | EQUAL 1: | TERROXY |
| | EQUAL 2: | DEX-O-TEX |
| **TR-2** | MANUFACTURER: | DAVID ALLEN COMPANY |
| | FINISH: | POLISHED TO 3000 GRIT |
| | GENERAL COLOR: | BLUE |
| | CONTROL SAMPLE: | TZ-8 062018 FNJ |
| | THICKNESS: | 3/8" |
| | NOTES: | INCLUDE GRINDING, MOISTURE MITIGATION, CRACK SUPPRESSION, CRACK REPAIR, LEVELING AND UNDERLAYMENT FILL AS REQUIRED TO PROVIDE TERRAZZO HEIGHT. |
| | EQUAL 1: | TERROXY |
| | EQUAL 2: | DEX-O-TEX |

**RESINOUS MATRIX TERRAZZO (con't)** **(SECTION 09 66 23)**

| | | |
|---|---|---|
| **TR-3** | MANUFACTURER: | DAVID ALLEN COMPANY |
| | FINISH: | POLISHED TO 3000 GRIT |
| | GENERAL COLOR: | BROWN |
| | CONTROL SAMPLE: | TZ-3 062018 FNJ |
| | THICKNESS: | 3/8" |
| | NOTES: | INCLUDE GRINDING, MOISTURE MITIGATION, CRACK SUPPRESSION, CRACK REPAIR, LEVELING AND UNDERLAYMENT FILL AS REQUIRED TO PROVIDE TERRAZZO HEIGHT. |
| | EQUAL 1: | TERROXY |
| | EQUAL 2: | DEX-O-TEX |
| **MT-1** | MANUFACTURER: | MANHATTEN AMERICAN |
| | STYLE: | HEAVY TOP EXTRUDED EDGING STRIPS |
| | FINISH: | WHITE ZINC |
| | SIZE: | 3/8"X1/4" |
| | NOTES: | DIVIDER STRIPS BETWEEN TERRAZZO |
| **MT-2** | MANUFACTURER: | MANHATTEN AMERICAN |
| | STYLE: | HEAVY TOP EXTRUDED EDGING STRIPS |
| | FINISH: | WHITE ZINC |
| | SIZE: | 3/8"X1/2" |
| | NOTES: | TRANSITION STRIPS FOR EDGES OF TERRAZZO |

**TILE CARPETING** **(SECTION 09 68 13)**

| | | |
|---|---|---|
| **CPT-1** | MANUFACTURER: | SHAW CONTRACT |
| | STYLE/PATTERN: | 5T176 "CENTRAL LINE TILE" |
| | COLOR: | 72501 "SKYLINE CYAN" |
| | SIZE: | 9"x36" |
| | INSTALLATION: | STAGGER |
| | NOTES: | HOLD ROOMS AND PUBLIC AREAS |
| | EQUAL 1: | |
| | EQUAL 2: | |
| **CPT-2** | MANUFACTURER: | SHAW CONTRACT |
| | STYLE/PATTERN: | 5T174 "SKY TILE" |
| | COLOR: | 72500 "SKYLINE" |
| | SIZE: | 24"X24" |
| | INSTALLATION: | MONOLITHIC |
| | NOTES: | ADMIN OFFICES AT THE THE RAMP LEVEL |
| | EQUAL 1: | |
| | EQUAL 2: | |
| **CPT-3** | MANUFACTURER: | SHAW CONTRACT |
| | STYLE/PATTERN: | 5A221 FAULT |
| | COLOR: | 20496 COLOSSAL BISMUT |
| | SIZE: | BROADLOOM |
| | INSTALLATION: | MONOLITHIC |
| | NOTES: | ADMIN LEVEL-CONFERENCE ROOM |
| **LVT-2** | MANUFACTURER: | SHAW CONTRACT |
| | STYLE/PATTERN: | 4381V RESIDE 20 MIL |
| | COLOR: | 94564 CONTENTMENT |
| | SIZE: | 6X48 |
| | INSTALLATION: | BRICK |
| | NOTES: | ADMIN LEVEL-CONFERENCE ROOM |

**PRE ENGINEERED INTERIOR WALL PANEL SYSTEMS** **(SECTION 09 77 10)**

| | | |
|---|---|---|
| **WPS-1** | MANUFACTURER: | CONSTRUCTION SPECIALTIES |
| | STYLE: | ACROVYN |
| | SYSTEM: | DEMOUNTABLE SURE SNAP SYSTEM |
| | MATERIAL: | ENGINEERED PETG |
| | EDGE: | WRAPPED SQUARE EDGE |
| | COLOR: | SIMULATED WOOD (CHAMILEON) |
| | PATTERN: | TBD |
| | SIZE: | SEE ELEVATIONS |
| | NOTE: | GATE WALLS |
| | EQUAL 1: | TRESPA PHENOLIC RESIN |
| | EQUAL 2: | INPRO PALLADIUM SQUARE EDGE |

**RESILIENT WALL PANELS** **(SECTION 09 77 20)**

| | | |
|---|---|---|
| **FRP-1** | MANUFACTURER: | MARLITE |
| | STYLE: | FIBERGLASS REINFORCED PANEL |
| | SYSTEM: | SURFACE APPLIED |
| | MATERIAL: | SMOOTH SURFACE PANELS |
| | EDGE: | PVC TRIM ACCESSORIES TO MATCH PANEL COLOR |
| | COLOR: | S 490N LIGHT GRAY |

**INTERIOR PAINTING** **(SECTION 09 91 23)**

| | | |
|---|---|---|
| **P-1** | MANUFACTURER: | DEVOE & FULLER |
| | FINISH: | FLAT |
| | COLOR: | 1W15-2 CAPRICE CREAM (TO MATCH EXISTING) |
| | NOTES: | NEW AND EXISTING WALLS |
| **P-2** | MANUFACTURER: | TNEMEC |
| | FINISH: | SEMI-GLOSS |
| | COLOR: | 00WH TNEMEC WHITE, 2-PART EPOXY (TO MATCH EXISTING) |
| | NOTES: | TRIM |
| **P-3** | MANUFACTURER: | SHERWIN WILLIAMS |
| | FINISH: | FLAT |
| | COLOR: | SW 6385 DOVER WHITE |
| | NOTES: | GWB CEILINGS, AND ALL EXPOSED STRUCTURE, CONDUIT, PIPES, AND OTHER EXPOSED ABOVE-CEILING ELEMENTS. REPAINT ALL EXISTING GWB CEILINGS AND SOFFITS IN WORK AREA. |
| **P-4** | MANUFACTURER: | TNEMEC |
| | FINISH: | SEMI-GLOSS |
| | COLOR: | 00WH TNEMEC WHITE |
| | NOTES: | DOOR FRAMES |
| **P-5** | MANUFACTURER: | SHERWIN WILLIAMS |
| | FINISH: | FLAT |
| | COLOR: | SW 6002 ESSENTIAL GRAY |
| | NOTES: | DOOR FRAMES, WALLS, SOFFITS |

**PORCELAIN/ CERAMIC TILE** **(SECTION 09 30 00)**

| | | |
|---|---|---|
| **WT-1** | MANUFACTURER: | DALTILE |
| | STYLE: | IRONCRAFT |
| | COLOR: | PHOSPHOR WHITE IC11 |
| | SIZE: | 12X24 |
| **WT-2A** | MANUFACTURER: | DALTILE |
| | STYLE: | COLOR WAVE BRICK JOINT GLASS TILE |
| | COLOR: | CW13 BLUE LAGOON |
| | SIZE: | 3X6 |
| **WT-2B** | MANUFACTURER: | DALTILE |
| | STYLE: | COLOR WAVE BRICK JOINT GLASS TILE |
| | COLOR: | CW14 TWILIGHT BLUE |
| | SIZE: | 3X6 |
| **WT-2C** | MANUFACTURER: | DALTILE |
| | STYLE: | COLOR WAVE BRICK JOINT GLASS TILE |
| | COLOR: | CW12 WHISPER GREEN |
| | SIZE | 3X6 |
| **WT-3** | MANUFACTURER: | DALTILE |
| | STYLE: | COLOR WHEEL LINEAR |
| | COLOR: | ARCTIC WHITE - MATTE |
| | SIZE: | 2X8 |
| | PATTERN: | STACKED |

**WALL BASE**

| | | |
|---|---|---|
| **TR-1** | MANUFACTURER: | DAVID ALLEN COMPANY |
| | FINISH: | POLISHED TO 3000 GRIT |
| | GENERAL COLOR: | WHITE |
| | CONTROL SAMPLE: | TZ-6 062018 FNJ |
| | THICKNESS: | 3/8" |
| | NOTES: | INCLUDE GRINDING, MOISTURE MITIGATION, CRACK SUPPRESSION, CRACK REPAIR, LEVELING AND UNDERLAYMENT FILL AS REQUIRED TO PROVIDE TERRAZZO HEIGHT. |
| | EQUAL 1: | TERROXY |
| | EQUAL 2: | DEX-O-TEX |
| **RB-1** | MANUFACTURER: | FLEXCO |
| | FINISH: | MANUFACTURER'S STANDARD |
| | GENERAL COLOR: | TO BE SELECTED BY ARCHITECT |
| | HEIGHT: | 4" |
| | COVE: | COVED BASE |
| | TYPES: | ROLLS |
| | NOTES: | PROVIDE MANUFACTURER'S STANDARD OUTSIDE MOLDED CORNER |
| | EQUAL 1: | JOHNSONITE |
| | EQUAL 2: | ROPPE |
| **RB-2** | MANUFACTURER: | FLEXCO |
| | FINISH: | MANUFACTURER'S STANDARD |
| | GENERAL COLOR: | 093 GRAPHITE |
| | HEIGHT: | 4" |
| | COVE: | COVED BASE |
| | TYPES: | ROLLS |
| | NOTES: | PROVIDE MANUFACTURER'S STANDARD OUTSIDE MOLDED CORNER |
| | EQUAL 1: | JOHNSONITE |
| | EQUAL 2: | ROPPE |
| **WB-1** | NOTES: | SEE DETAIL A/A-654. |

**METAL TRANSITION STRIPS** **(SECTION 09 30 13)**

| | | |
|---|---|---|
| **MTS-1** | MANUFACTURER: | SCHLUTER SYSTEMS |
| | STYLE: | ROUNDED OUTSIDE CORNER |
| | ITEM: | RONDEC RO100AE; 100(3/8") |
| | FINISH: | BRUSHED STAINLESS |
| | NOTES: | AT ALL OUTSIDE TILE CORNERS |
| **MTS-2** | MANUFACTURER: | SCHLUTER SYSTEMS |
| | STYLE: | TRANSITION STRIP |
| | ITEM | SCHIENE |
| | FINISH: | BRUSHED STAINLESS |
| | NOTES: | AT ALL TRANSITIONS BETWEEN TILE AND TERRAZZO. |

**STATIC CONTROL FLOORING** **(SECTION 09 00 00)**

| | | |
|---|---|---|
| **SDT-1** | MANUFACTURER: | ARMSTRONG |
| | STYLE: | GRAY ELECTROSTATIC DISSIPATIVE TILE |
| | COLOR: | 51956 FOSSIL GRAY |
| | SIZE: | 12X12 |
| | NOTES: | IT CLOSETS |

**SOLID SURFACES** **(SECTION 12 36 61)**

| | | |
|---|---|---|
| **SS-1** | MANUFACTURER: | HANSTONE QUARTZ |
| | COLOR: | AURORA SNOW - CL101 |
| | THICKNESS: | 2cm (3/4") |
| | EDGE: | EASED |
| | EQUAL 2: | STARON |
| **SS-2** | MANUFACTURER: | DALTILE |
| | COLOR: | LIBERTY BLACK - POLISHED |
| | NUMBER: | OQ74 |
| | EDGE: | EASED |

**INTERIOR ARCHITECTURAL WOODWORK (SECTION 06 40 23)**

| | | |
|---|---|---|
| **PLAM-1** | MANUFACTURER: | WILSONART |
| | COLOR: | TO BE SELECTED BY ARCHITECT |
| **PLAM-2** | MANUFACTURER: | WILSONART |
| | COLOR: | PRESSED LINEN |
| | NUMBER: | 4991-38 FINE VELVET FINISH |

**FINISH LEGEND NOTES:**

**1. THE PRIMARY LISTED MANUFACTURER SHALL BE THE "BASIS OF DESIGN".**


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TERMINAL IMPROVEMENTS CONTRACT 4

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TRAVIS WALKER FENCE – REGISTERED ARCHITECT – 9272 – NORTH CAROLINA – CHARLOTTE, N.C.
10/13/23

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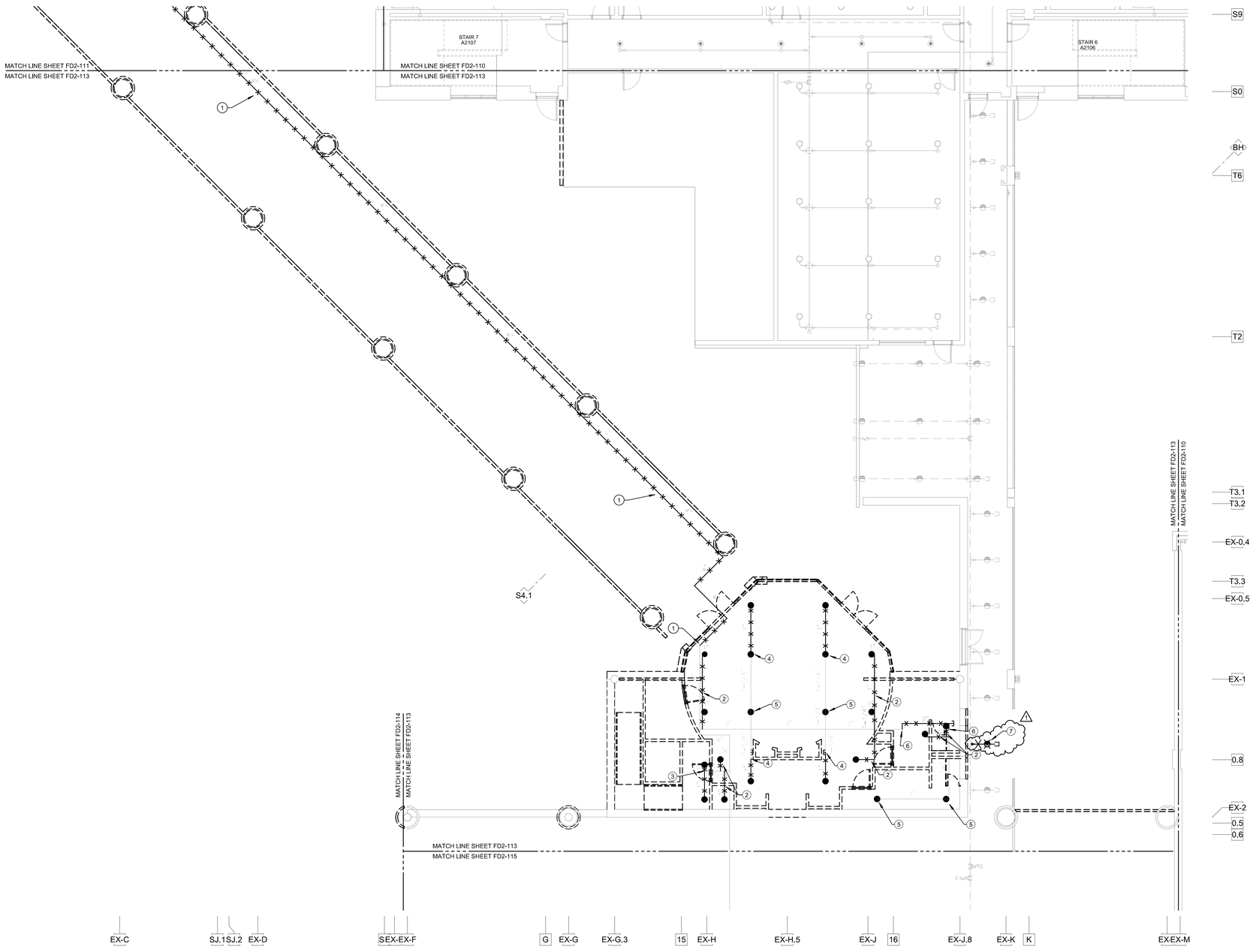
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| 1 | 7/30/2019 | AD-03 |
| 2 | 3/14/2023 | BD-49 |
| 3 | 03/28/2024 | BD-054 |

DATE 6/28/2019
PROJECT NUMBER 9202-903
SHEET TITLE

FINISH LEGEND

SHEET NUMBER

A-661




1 FD2-113 F2-113 SCHEDULE 2 - RAMP LEVEL DEMO PLAN - ZONE 3 - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

## SPRINKLER LEGEND

- EXISTING RECESSED PENDANT SPRINKLER HEAD
- EXISTING CONCEALED PENDANT SPRINKLER HEAD
- EXISTING UPRIGHT SPRINKLER HEAD
- EXISTING SIDEWALL SPRINKLER HEAD
- RECESSED PENDANT SPRINKLER HEAD
- CONCEALED PENDANT SPRINKLER HEAD
- DRY RECESSED PENDANT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- DRY SIDEWALL SPRINKLER HEAD
- WET SPRINKLER RISER
- DRY SPRINKLER RISER
- CNTE CONNECT NEW TO EXISTING

## SPRINKLER PIPE LEGEND

- EXISTING SPRINKLER PIPING TO REMAIN
- EXISTING SPRINKLER PIPING TO BE REMOVED
- NEW WET SYSTEM SPRINKLER PIPING
- NEW DRY SYSTEM SPRINKLER PIPING

## HAZARD LEGEND

- LIGHT HAZARD
- ORDINARY HAZARD I

## KEYED NOTES: (THIS SHEET ONLY)

1. REMOVE EXISTING MAIN PIPING IN CHASE BELOW CONNECTOR BACK TO POINT INDICATED. MAIN SHALL BE RECONNECTED. SEE DRAWING FD2-111 FOR CONTINUATION.
2. REMOVE EXISTING SPRINKLERS AND BRANCH PIPING BACK TO CROSS MAIN AND CAP.
3. REMOVE EXISTING SPRINKLERS AND BRANCH PIPING BACK TO CROSS MAIN. CROSS MAIN TO BE RECONNECTED.
4. REMOVE EXISTING SPRINKLERS AND BRANCH PIPING BACK TO THIS POINT. BRANCH PIPING TO BE RECONNECTED.
5. REMOVE EXISTING SPRINKLER HEAD AND CAP PIPING.
6. REMOVE EXISTING PIPING TO THIS POINT. PIPING TO BE RECONNECTED.
7. REMOVE EXISTING DRY HEAD BACK TO MAIN AND CAP.


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*TERMINAL IMPROVEMENTS CONTRACT 4*

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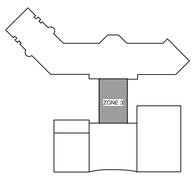
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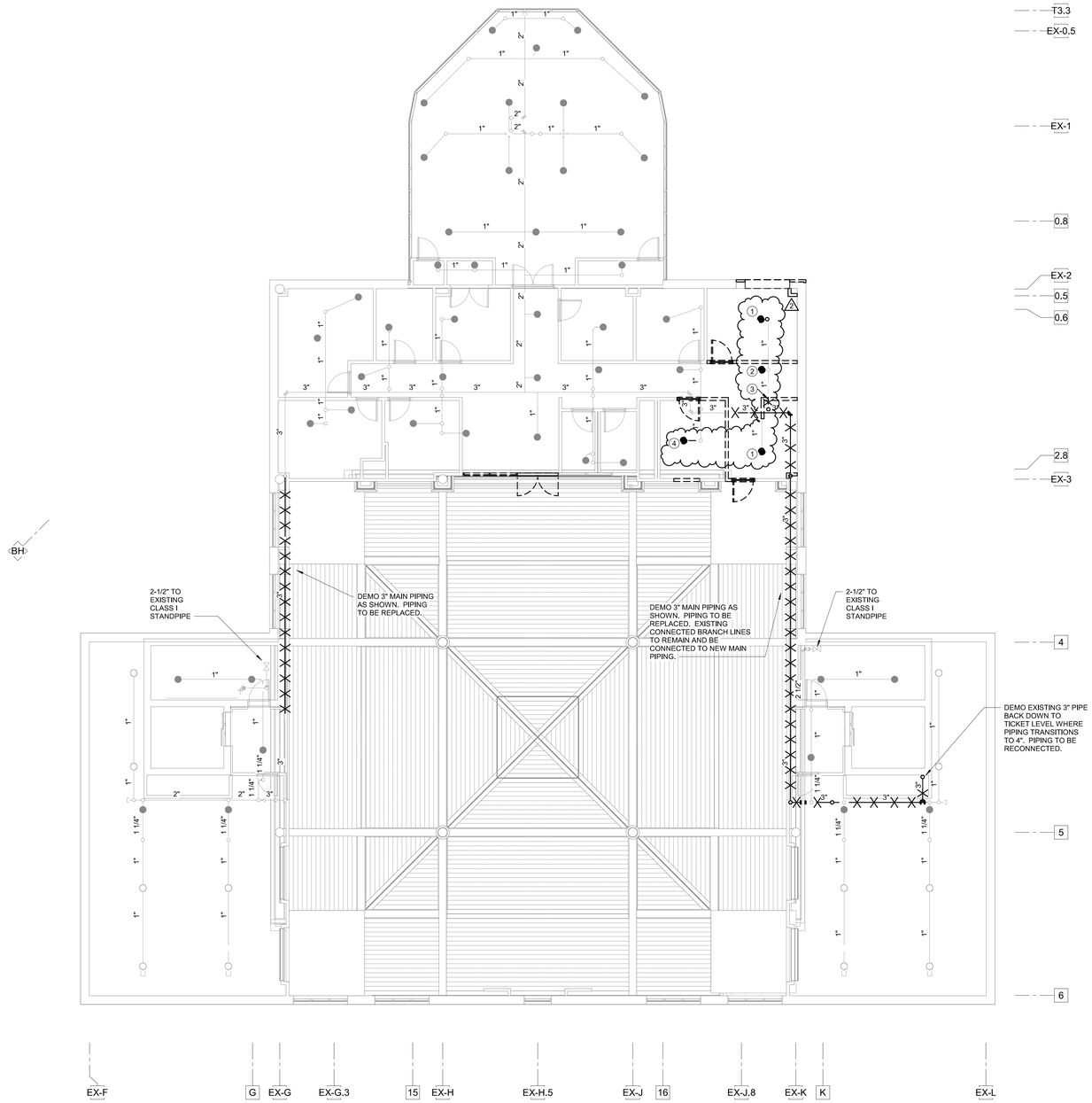
1 03/28/24 BD-54

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - RAMP LEVEL DEMO PLAN ZONE 3 FIRE PROTECTION

SHEET NUMBER

# FD2-113




1 FD2-130 ADMIN LEVEL DEMO PLAN FIRE PROTECTION
SCALE: 1/8" = 1'-0"

## SPRINKLER LEGEND

- EXISTING RECESSED PENDANT SPRINKLER HEAD
- EXISTING CONCEALED PENDANT SPRINKLER HEAD
- EXISTING UPRIGHT SPRINKLER HEAD
- EXISTING SIDEWALL SPRINKLER HEAD
- RECESSED PENDANT SPRINKLER HEAD
- CONCEALED PENDANT SPRINKLER HEAD
- DRY RECESSED PENDANT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- DRY SIDEWALL SPRINKLER HEAD
- WET SPRINKLER RISER
- DRY SPRINKLER RISER
- CNTE CONNECT NEW TO EXISTING

## SPRINKLER PIPE LEGEND

- EXISTING SPRINKLER PIPING TO REMAIN
- EXISTING SPRINKLER PIPING TO BE REMOVED
- NEW WET SYSTEM SPRINKLER PIPING
- NEW DRY SYSTEM SPRINKLER PIPING

## HAZARD LEGEND

- LIGHT HAZARD
- ORDINARY HAZARD I

## KEYED NOTES: (THIS SHEET ONLY)

1. REMOVE SPRINKLER HEAD BACK TO BRANCH, INCLUDING ELBOW AT BRANCH. BRANCH PIPING TO BE EXTENDED.
2. REMOVE SPRINKLER HEAD BACK TO BRANCH AND CAP.
3. REMOVE SEGMENT OF 1" SPRINKLER PIPING BETWEEN MAIN AND NEW SPRINKLER HEAD TIE IN POINT. 1" PIPING TO BE REPLACED WITH 1-1/4" PIPING, SEE FZ-130.
4. REMOVE EXISTING SPRINKLER HEAD TO BRANCH. NEW ARMOVER TO BE INSTALLED AT ELBOW AT END OF BRANCH.


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TERMINAL IMPROVEMENTS CONTRACT 4

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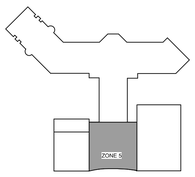
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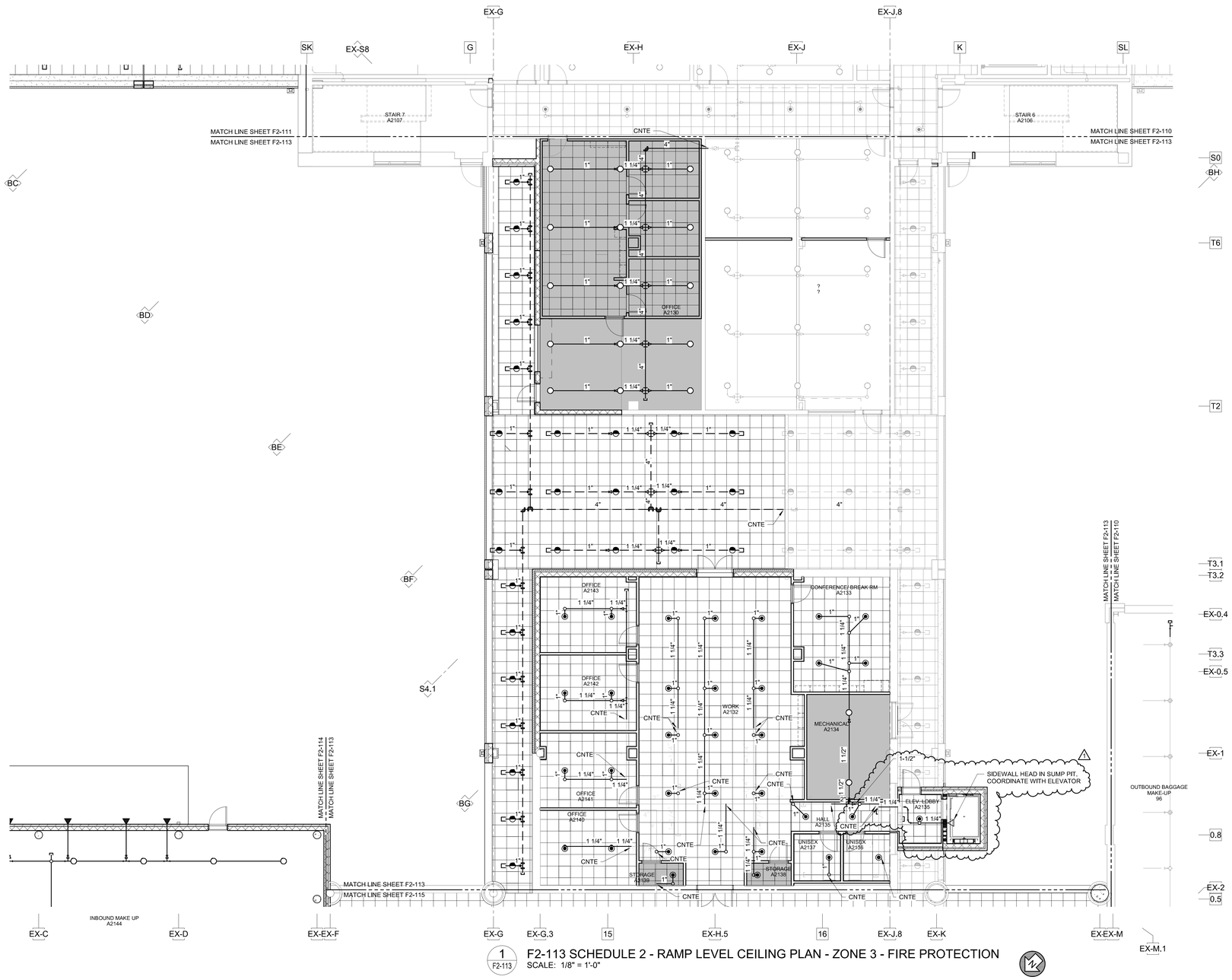
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| 1 | 06/23/23 | BD-50B |
| 2 | 03/28/24 | BD-54 |

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ADMIN LEVEL DEMO PLAN FIRE PROTECTION

SHEET NUMBER

FD2-130




1 F2-113 SCHEDULE 2 - RAMP LEVEL CEILING PLAN - ZONE 3 - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

## SPRINKLER LEGEND

- EXISTING RECESSED PENDANT SPRINKLER HEAD
- EXISTING CONCEALED PENDANT SPRINKLER HEAD
- EXISTING UPRIGHT SPRINKLER HEAD
- EXISTING SIDEWALL SPRINKLER HEAD
- RECESSED PENDANT SPRINKLER HEAD
- CONCEALED PENDANT SPRINKLER HEAD
- DRY RECESSED PENDANT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- DRY SIDEWALL SPRINKLER HEAD
- WET SPRINKLER RISER
- DRY SPRINKLER RISER
- CNTE CONNECT NEW TO EXISTING

## SPRINKLER PIPE LEGEND

- EXISTING SPRINKLER PIPING TO REMAIN
- EXISTING SPRINKLER PIPING TO BE REMOVED
- NEW WET SYSTEM SPRINKLER PIPING
- NEW DRY SYSTEM SPRINKLER PIPING

## HAZARD LEGEND

- LIGHT HAZARD
- ORDINARY HAZARD I

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# TERMINAL IMPROVEMENTS CONTRACT 4

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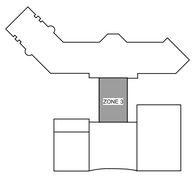
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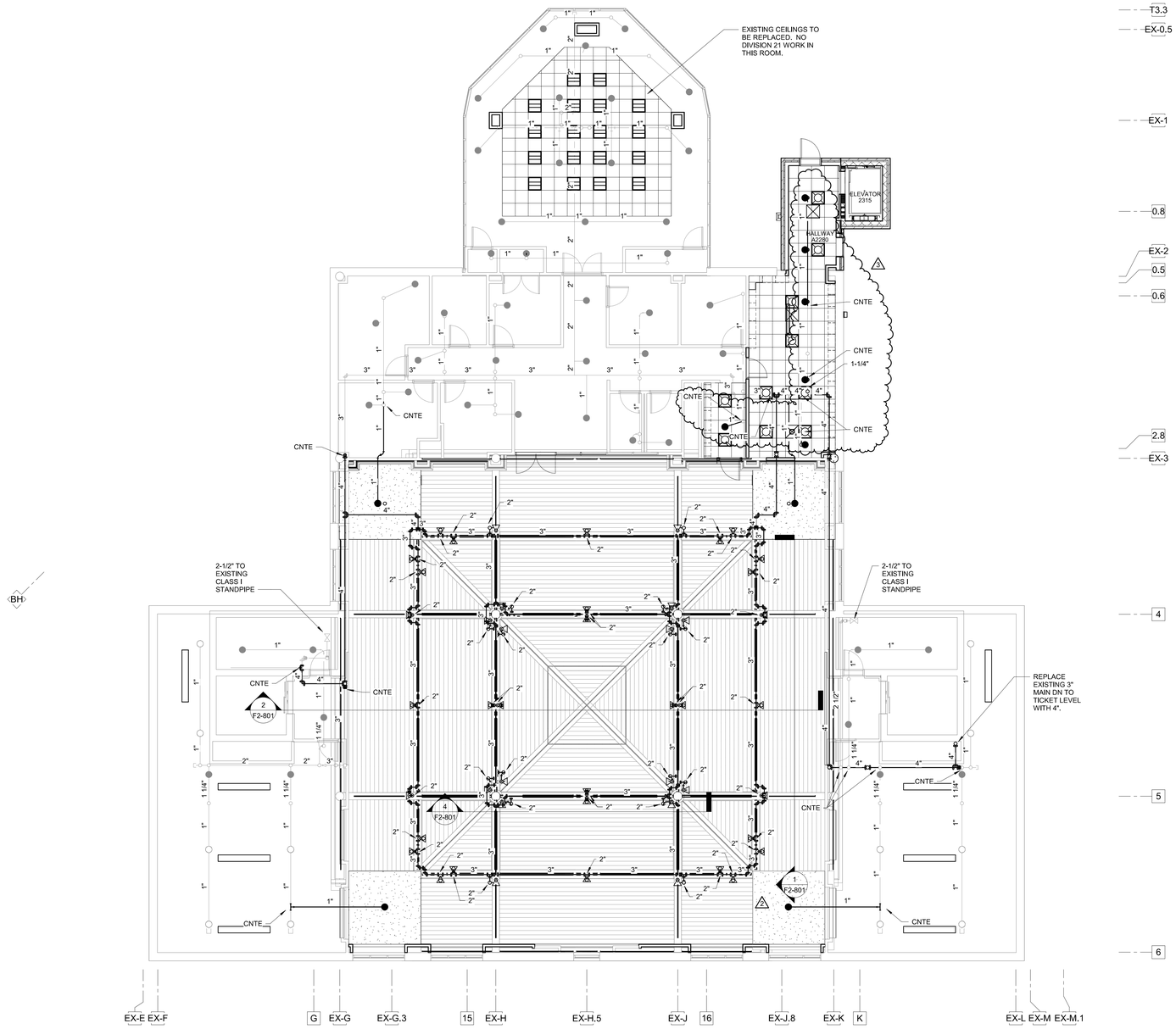
1 03/28/24 BD-54

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - RAMP LEVEL PLAN ZONE 3 FIRE PROTECTION

SHEET NUMBER

F2-113




1 F2-130 F2-130 - SCHEDULE 2 - ADMIN LEVEL CEILING PLAN - ZONE 5 - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

## SPRINKLER LEGEND

- EXISTING RECESSED PENDANT SPRINKLER HEAD
- EXISTING CONCEALED PENDANT SPRINKLER HEAD
- EXISTING UPRIGHT SPRINKLER HEAD
- EXISTING SIDEWALL SPRINKLER HEAD
- RECESSED PENDANT SPRINKLER HEAD
- CONCEALED PENDANT SPRINKLER HEAD
- DRY RECESSED PENDANT SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- DRY SIDEWALL SPRINKLER HEAD
- WET SPRINKLER RISER
- DRY SPRINKLER RISER
- CNTE CONNECT NEW TO EXISTING

## SPRINKLER PIPE LEGEND

- EXISTING SPRINKLER PIPING TO REMAIN
- EXISTING SPRINKLER PIPING TO BE REMOVED
- NEW WET SYSTEM SPRINKLER PIPING
- NEW DRY SYSTEM SPRINKLER PIPING

## HAZARD LEGEND

- LIGHT HAZARD
- ORDINARY HAZARD I

## GENERAL NOTES

(APPLIES TO THIS SHEET ONLY)

1. DESIGN IS BASED ON FLOW TEST PERFORMED BY BFPE INTERNATIONAL ON 12/24/23, PRESSURES AND FLOW WERE REDUCED BY 10% PER NEW HANOVER COUNTY REQUIREMENTS.

   STATIC PRESSURE: 60 PSI
   RESIDUAL PRESSURE: 54 PSI
   FLOW: 1,125 GPM

   IT IS UNDERSTOOD THAT CONTRACTOR HAS PERFORMED A NEW FLOW TEST PRIOR TO STARTING THEIR DESIGN, AND IS INTENDING TO USE THE NEW DATA.

2. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO THE DESIGN TEAM FOR REVIEW.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT ALL NECESSARY ITEMS (SHOP DRAWINGS, HYDRAULIC CALCULATIONS, ETC.) FOR PERMITTING.

4. EXPOSED PIPING AND SUPPORTS SHALL BE PAINTED TO MATCH SURROUNDINGS. PAINT COLORS SHALL BE AS DIRECTED BY THE ARCHITECT.

5. SPRINKLER HEADS SHALL NOT BE PAINTED. COLOR/FINISH OF SPRINKLER HEADS SHALL BE AS DIRECTED BY THE ARCHITECT.

6. ALL PIPING AND HEADS SHALL BE KEPT AS TIGHT TO THE EXISTING STRUCTURE AS POSSIBLE, WITHOUT COMPROMISING THE FUNCTIONALITY OF THE SPRINKLER SYSTEM.

7. VERTICAL PIPING SHALL BE SUPPORTED USING BEAM CLAMPS ATTACHED TO THE VERTICAL PORTIONS OF THE EXISTING TRUSSES WITH THREADED RODS RUN HORIZONTALLY TO PIPE CLAMPS. BEAM CLAMPS AND PIPE CLAMPS SHALL BE LISTED PER NFPA 13 (2013).

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*TERMINAL IMPROVEMENTS CONTRACT 4*

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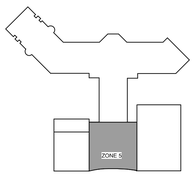
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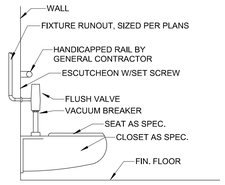
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| 2 | 02/03/24 | BD-53 |
| 3 | 03/28/24 | BD-54 |

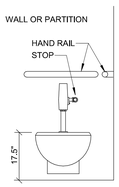
DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ADMIN LEVEL PLAN FIRE PROTECTION

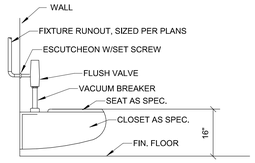
SHEET NUMBER

F2-130

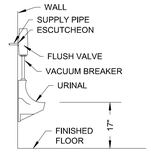



A P2-001 ADULT ADA WATER CLOSET (WC-1) DETAIL
SCALE: NONE




B P2-001 STANDARD WATER CLOSET (WC-2) DETAIL
SCALE: NONE




C P2-001 ADA URINAL (U-1) DETAIL
SCALE: NO SCALE

## PLUMBING FIXTURE SCHEDULE

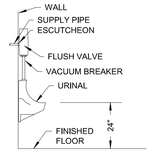
| SYMBOL | DESCRIPTION | ROUGH-IN SIZES | | | REMARKS |
|---|---|---|---|---|---|
| | | WASTE | C.W. | H.W. | |
| WC-1 | WATER CLOSET - WALL HUNG | 4" | 1-1/4" | - | ADA HEIGHT/DETAIL A/P2-001 |
| WC-2 | WATER CLOSET - WALL HUNG | 4" | 1-1/4" | - | STANDARD/DETAIL B/P2-001 |
| WC-3 | WATER CLOSET - FLOOR MOUNTED | 4" | 1-1/4" | - | ADA HEIGHT/DETAIL J/P2-001 |
| U-1 | URINAL | 2" | 3/4" | - | ADA HEIGHT/DETAIL C/P2-001 |
| U-2 | URINAL | 2" | 3/4" | - | STANDARD/DETAIL D/P2-001 |
| L-1 | LAVATORY | 1-1/2" | 1/2" | 1/2" | ADA HEIGHT/DETAIL E&H/P2-001 |
| L-2 | COUNTERTOP LAVATORY | 1-1/2" | 1/2" | 1/2" | DETAIL H/P1-001 |
| SK-1 | BREAK ROOM SINK | 1-1/2" | 1/2" | 1/2" | |
| SK-2 | BREAK ROOM SINK- DOUBLE BOWL | 1-1/2" | 1/2" | 1/2" | |
| EWC-1 | ELECTRIC WATER COOLER | 1-1/2" | 1/2" | - | DUAL HEIGHT/BOTTLE FILLER/DET. F/P2-001 |
| MR-1 | MOP RECEPTOR | 3" | 1/2" | 1/2" | DETAIL G/P2-001 |
| HB-1 | HOSE BIBB | - | 1/2" | - | MOUNT 12" AFF |
| HB-2 | HOSE BIBB IN BOX | - | 1/2" | - | MOUNT 12" AFF |
| HB-3 | WALL HYDRANT | - | 3/4" | - | MOUNT 24" AFG |
| FD-1 | FLOOR DRAIN | 3" | - | - | |
| FD-2 | FLOOR DRAIN | 4" | - | - | |
| FD-3 | HEAVY DUTY FLOOR DRAIN | 4" | - | - | |
| HD-1 | HUB DRAIN | 3" | - | - | DETAIL K/P2-001 |
| CB-1 | ICE MAKER CONNECTION BOX | - | 1/2" | - | |

## WATER HEATER SCHEDULE

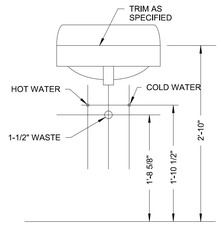
| SYMBOL | DESCRIPTION | ROUGH-IN SIZES | | TEMP. SETTING | STORAGE CAPACITY | RECOVERY | FUEL | LOAD | LOAD | DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| | | C.W. | H.W. | | | | | | | |
| WH-2 | TANK TYPE ELECTRIC WATER HEATER | 3/4" | 3/4" | 140°F | 40 GAL. | 36 GPH | ELECTRIC | 9 kw, 480 V, 3Ø | JANITOR A2211 | A/P2-002 |

## CIRCULATOR PUMP SCHEDULE

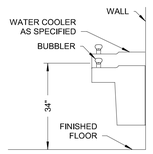
| SYMBOL | GPM | THD | ELECTRICAL | | LOCATION | SERVICE | CONTROL |
|---|---|---|---|---|---|---|---|
| | | | HP | VOLTAGE | | | |
| CP-2 | 1 | 6 | 1/40 | 115 V., 1Ø | JANITOR A2205 | H.W. RETURN | AQUASTAT |



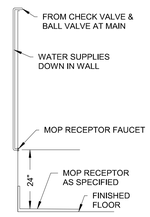

D P2-001 STANDARD URINAL (U-2) DETAIL
SCALE: NO SCALE



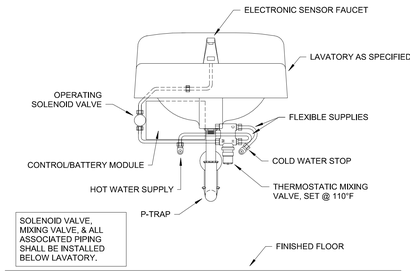

E P2-001 WALL HUNG ADA LAVATORY (L-1) DETAIL Copy 1
SCALE: NONE



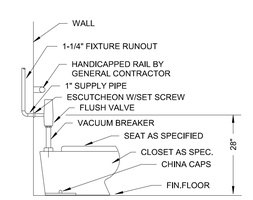

F P2-001 DUAL HEIGHT EWC (EWC-1) DETAIL
SCALE: NONE

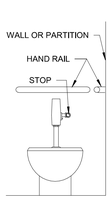



G P2-001 MOP RECEPTOR (MR-1) DETAIL
SCALE: NONE

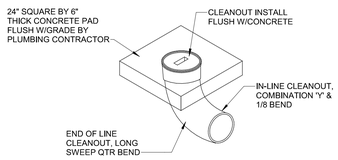



H P2-001 SENSOR LAVATORY (L-1, L-2) FAUCET PIPING DIAGRAM
SCALE: NO SCALE

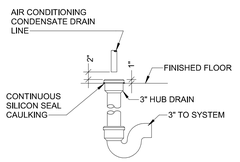


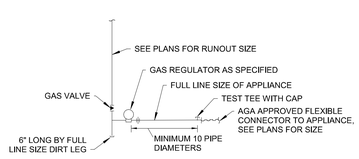

J P2-001 ADULT ADA WATER CLOSET (WC-3) DETAIL
SCALE: NONE



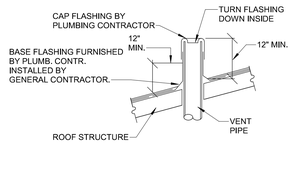

K P2-001 EXTERIOR CLEANOUT DETAIL
SCALE: NONE



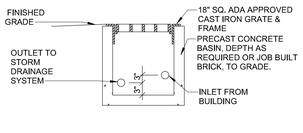

L P2-001 HUB DRAIN (HD-1) DETAIL
SCALE: NONE



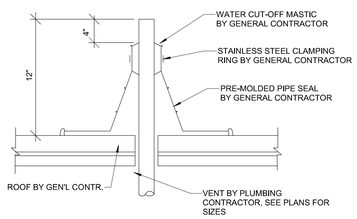

M P2-001 TYPICAL GAS PIPING CONNECTION
SCALE: NO SCALE



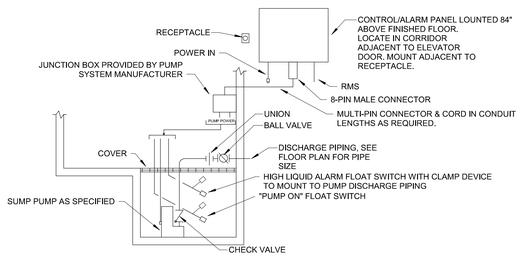

N P2-001 VENT THRU ROOF DETAIL
SCALE: NONE



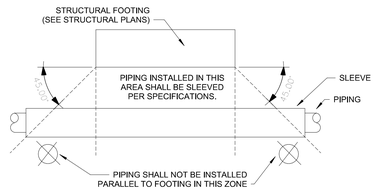

P P2-001 CONDENSATE RELIEF BASIN
SCALE: NONE




Q P2-001 VENT THRU ROOF DETAIL
SCALE: NONE



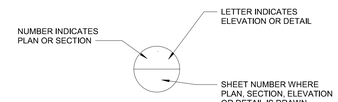

R P2-001 ELEVATOR SUMP PUMP PIPING & WIRING SCHEMATIC
SCALE: NONE




S P2-001 FOOTING DETAIL
SCALE: NONE

## LEGEND

| | |
|---|---|
| | PIPING TO BE REMOVED (LINE TYPE & NOTES INDICATE SYSTEM) |
| EXW | EXISTING WASTE PIPING |
| EXV | EXISTING VENT PIPING |
| EXC | EXISTING CONDENSATE PIPING |
| EXRDL | EXISTING ROOF DRAIN LEADER |
| EXCW | EXISTING COLD WATER PIPING |
| EXHW | EXISTING HOT WATER PIPING |
| EXHWR | EXISTING HOT WATER RETURN PIPING |
| EXG | EXISTING NATURAL GAS PIPING |
| W | WASTE PIPING |
| GW | GREASE WASTE PIPING |
| V | VENT PIPING |
| GV | GREASE WASTE VENT PIPING |
| C | CONDENSATE PIPING |
| RDL | ROOF DRAIN LEADER |
| CW | COLD WATER PIPING |
| HW | HOT WATER PIPING |
| HWR | HOT WATER RETURN PIPING |
| G | NATURAL GAS PIPING |
| | BALL/BUTTERFLY VALVE |
| | BALANCING VALVE |
| | CHECK VALVE |
| | GAS VALVE |
| | SOLENOID VALVE |
| | VALVE IN RISE |
| | PIPE ELBOW TURNED DOWN |
| | PIPE ELBOW TURNED UP |
| | PIPE TEE TURNED DOWN |
| | PIPE TEE TURNED UP |
| | UNION |
| | STRAINER |
| | DOUBLE CHECK VALVE BACKFLOW PREVENTER |
| | REDUCED PRESSURE BACKFLOW PREVENTER |
| 'A' | SHOCK ARRESTER, 'A' INDICATES PLUMBING DRAINAGE INSTITUTE STANDARD SIZE |
| | ASME PRESSURE TEMPERATURE RELIEF VALVE |
| VTR | VENT THRU ROOF |
| GVTR | GREASE VENT THRU ROOF |
| CO | CLEANOUT |
| ECO | EXTERIOR CLEANOUT |
| WCO | WALL CLEANOUT |
| FCO | FLOOR CLEANOUT |
| RD | ROOF DRAIN |
| ORD | OVERFLOW ROOF DRAIN |
| AFF | ABOVE FINISHED FLOOR |
| BFF | BELOW FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| BFG | BELOW FINISHED GRADE |
| INV. | INVERT ELEVATION |
| CNTE | CONNECT NEW TO EXISTING |
| EXHB | EXISTING HOSE BIBB OR WALL HYDRANT |
| EXFCO | EXISTING FLOOR CLEAN OUT |
| EXECO | EXISTING EXTERIOR CLEAN OUT |
| EXWCO | EXISTING WALL CLEAN OUT |
| EXFD | EXISTING FLOOR DRAIN |
| EXHD | EXISTING HUB DRAIN |
| | 4 HOUR FIRE WALL |
| | 2 HOUR FIRE WALL |
| | 1 HOUR FIRE WALL |
| | UNRATED SMOKE PARTITION |




## GENERAL NOTES:

1. EXISTING INFORMATION IS BASED ON A FIELD SURVEY AND EXISTING PLANS. SOME INFORMATION PRESENTED IS ESTIMATED OR ASSUMED BASED ON EXPERIENCE. CONTRACTOR SHALL FIELD VERIFY CONDITIONS DURING THE COURSE OF WORK AND ALERT THE ARCHITECT AND/OR ENGINEER OF DIFFERENCES BETWEEN FIELD CONDITIONS AND THE DRAWINGS THAT WILL PREVENT ANY PORTIONS OF THE PLUMBING SCOPE OF WORK FROM BEING INSTALLED AS DESIGNED.

## TOTAL CONNECTED LOAD

| | | |
|---|---|---|
| WASTE FIXTURE UNITS = | 424 | F.U. |
| GREASE WASTE FIXTURE UNITS = | FUTURE | |
| TOTAL WASTE FIXTURE UNITS = | 424 | F.U. |
| COLD WATER DEMAND = | 208 | GPM |
| HOT WATER DEMAND = | 48 | GPM |
| GAS LOADS | | |
| BUILDING HEATING DEMAND = | 17,260 | CFH |
| WATER HEATING DEMAND = | 400 | CFH |
| TOTAL CONNECTED LOAD = | 17,660 | CFH |

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REVISIONS

| | | |
|---|---|---|
| 1 | 7/12/19 | AD-01 |
| 2 | 03/28/24 | BD-54 |

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

PLUMBING LEGEND, SCHEDULES, & DETAILS

SHEET NUMBER
P2-001

ILM
TERMINAL IMPROVEMENTS CONTRACT 4
Wilmington International Airport
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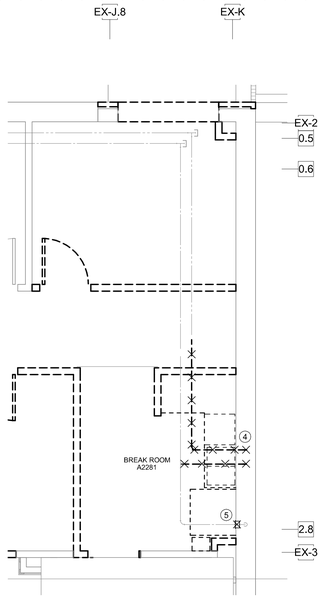
NORTH CAROLINA PROFESSIONAL SEAL 043164 ENGINEER CASEY D. GILMAN
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Digitally signed by Casey Gilman
Date: 2024.03.27 11:45:50-04'00'

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PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

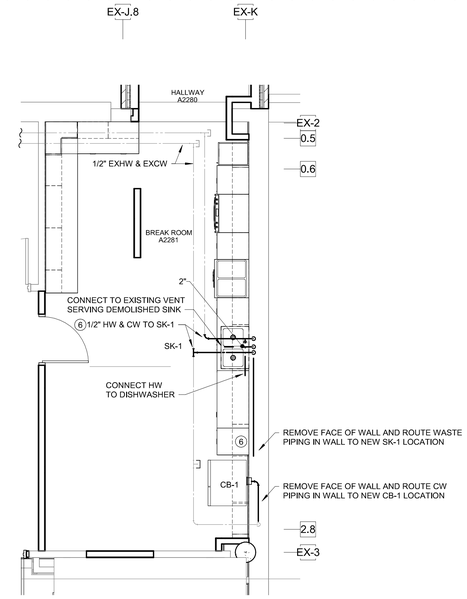
STRUCTURAL ENGINEER
STEWART

FP/P/M/E ENGINEER
CHEATHAM & ASSOC.



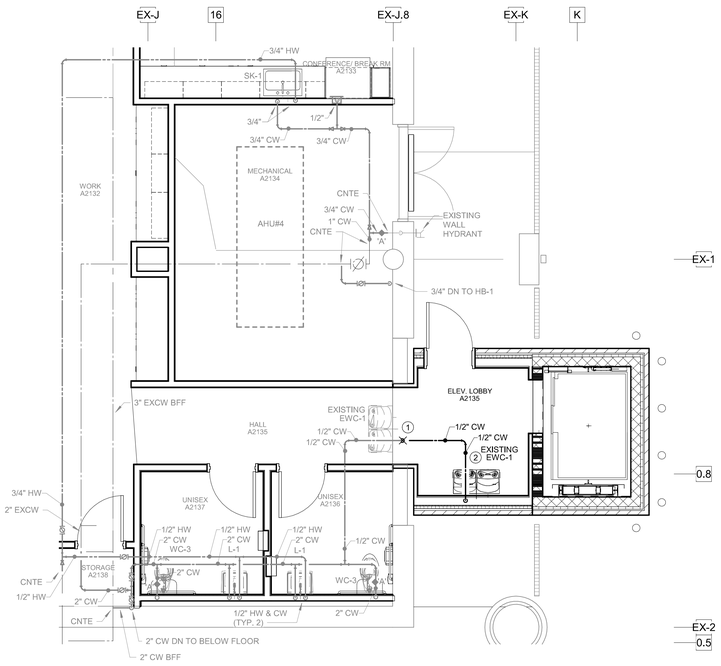

1 P2-202 ADMIN LEVEL FLOOR PLAN - ZONE 3 - ENLARGED BREAKROOM - DEMOLITION

SCALE: 1/4" = 1'-0"



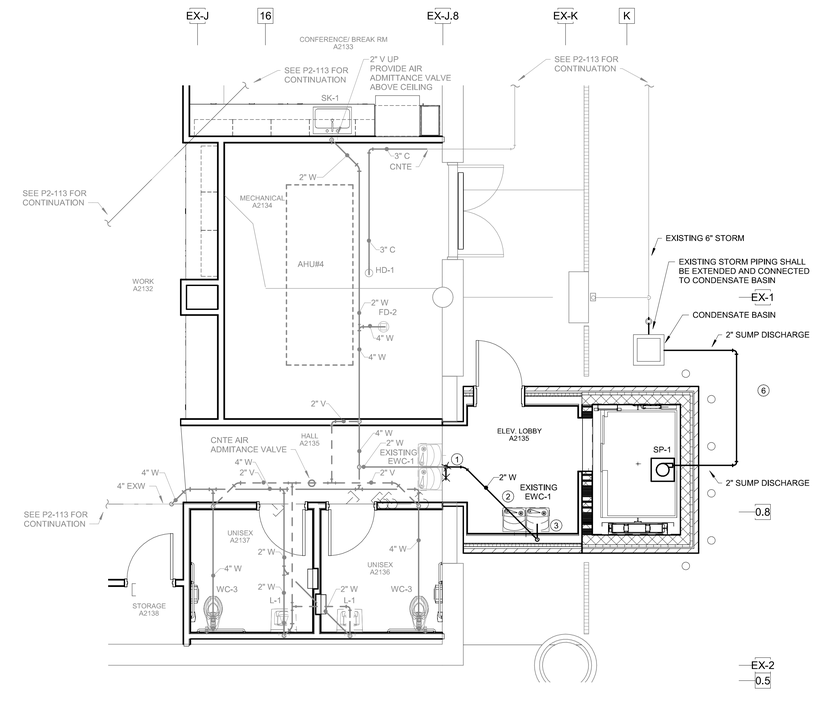

2 P2-202 ADMIN LEVEL FLOOR PLAN - ZONE 3 - ENLARGED BREAKROOM - RENOVATION

SCALE: 1/4" = 1'-0"




3 P2-202 RAMP LEVEL FLOOR PLAN - ZONE 3 - ENLARGED - DOMESTIC WATER

SCALE: 1/4" = 1'-0"




4 P2-202 RAMP LEVEL FLOOR PLAN - ZONE 3 - ENLARGED - WASTE & VENT

SCALE: 1/4" = 1'-0"

## ADDITIONAL SPECIFICATIONS:

SK-2 BREAKROOM SINK: (ADA) 30-3/4" X 18-1/2" X 4-3/8" DEEP BOWL DOUBLE COMPARTMENT, 18-GAUGE, TYPE 304 (18-8) NICKEL BEARING STAINLESS STEEL UNDERMOUNT SINK WITH SOUND DEADENING APPLIED TO UNDER SIDE SHALL BE ELKAY ELUHAD311845 CUSTOMIZED WITH FRONT OVERFLOW OR APPROVED EQUAL BY JUST OR ADVANCE TABCO. STAINLESS STEEL CRUMBCUP STRAINER WITH 1-1/2" OFFSET TAILPIECE SHALL BE ELKAY LKAD35 OR JUST J-ADA-35 OR OR APPROVED EQUAL BY ADVANCE TABCO. CENTER WASTE CONTINUOUS OUTLET: MCGUIRE 113C16G17, OR APPROVED EQUAL BY ELKAY, OR ZURN. LEAD-FREE HOT AND COLD WATER SUPPLY FAUCET WITH RENEWABLE CARTRIDGE, SWING SPOUT, 1.5 GPM SOFT FLOW AERATOR, LESS SPRAY, SHALL BE CHICAGO 1100-E35ABCP, ZURN Z871G3-XL-18F, OR APPROVED EQUAL BY DELTA. THERMOSTATIC LEAD FREE MIXING VALVE WITH LOCKING SET POINT, 1/2" INLET CHECK STOPS, 1/2" OUTLET, SHALL BE INSTALLED UNDER THE SINK TO SUPPLY 110 F TEMPERED WATER TO THE FAUCET, MIXING VALVE SHALL BE ASSE 1070 APPROVED AND SHALL BE WATTS MODEL LFMMV OR APPROVED EQUAL BY COMBRACO OR HEATGUARD. 1/2" SWEAT X 1/2" COMPRESSION SINK SUPPLY STOPS SHALL BE EQUIPPED WITH 5" EXTENSION, WHEEL HANDLE BALL VALVE ANGLE STOPS SHALL BE MCGUIRE, ZURN, OR BRASSCRAFT. 1-1/2" X 1-1/2" CHROME PLATED ADJUSTABLE CAST BRASS P-TRAP WITH 1-1/2" SLIP JOINT INLET, CLEANOUT, AND 1-1/2" 17-GAUGE TUBE OUTLET SHALL BE MCGUIRE, ZURN, OR KOHLER. INSTALL CAST BRASS ESCUTCHEONS WITH SETSCREW ON ALL PIPING ENTERING BASE CABINET. SUPPLIES AND TRAP SHALL BE PROTECTED BY A.D.A. APPROVED PREMOLDED INSULATION ASSEMBLY AS MANUFACTURED BY TRUEBRO, MCGUIRE OR MAINLINE.

## KEYED NOTES: THIS SHEET ONLY

1. REMOVE EXISTING EWC-1 AND ASSOCIATED CARRIER, EWC-1 & CARRIER TO BE RELOCATED, SEE 4/P2-202. REMOVE EXISTING DOMESTIC WATER, WASTE, AND VENT PIPING IN WALL THAT IS TO BE DEMOLISHED.
2. RELOCATE EXISTING EWC-1 AND ASSOCIATED CARRIER TO NEW LOCATION INDICATED. EXTEND EXISTING DOMESTIC WATER AND WASTE AS INDICATED AND RECONNECT TO EXISTING WATER COOLER.
3. PROVIDE NEW AIR ADMITTANCE VALVE (AAV).
4. REMOVE EXISTING SINK AND ASSOCIATED COMPONENTS. REMOVE EXISTING DOMESTIC WATER PIPING BACK TO IN-WALL AND CAP. DISCONNECT SAME PIPING ABOVE CEILING AND CAP ABOVE WALL TO ABANDON IN-WALL PIPNG. REMOVE EXISTING WASTE PIPING BACK TO IN-WALL, WASTE PIPING TO BE RECONNECTED AND EXTENDED TO NEW SINK LOCATION. CAP VENT PIPING IN WALL AND ABOVE CEILING AND ABANDON IN-WALL PIPING. ABOVE CEILING VENT PIPING TO BE RECONNECTED AND EXTENDED TO NEW SINK LOCATION. SEE RENOVATION PLANS. PATCH WALL TO MATCH EXISTING.
5. REMOVE EXISTING ICE MAKER CONNECTION BOX. EXISTING DOMESTIC WATER PIPING TO REMAIN AND TO BE MODIFIED, SEE RENOVATION.
6. RECONNECT TO EXISTING DOMESTIC WATER AND WASTE AS INDICATED.
7. OFFSET EXISTING DOMESTIC WATER PIPING IN WALL TO NEW ICE MAKER CONNECTION BOX LOCATION.

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405


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**WILMINGTON, NORTH CAROLINA 28405**
**PHONE: (910) 452-4210**
**FAX: (910) 452-4211**
**OFFICE@CHEATHAMPA.COM**
**NC LICENSE# C-1073**


**JOB # 19005**

NORTH CAROLINA REGISTERED SEAL 043164 ENGINEER CASEY D. GILMAN

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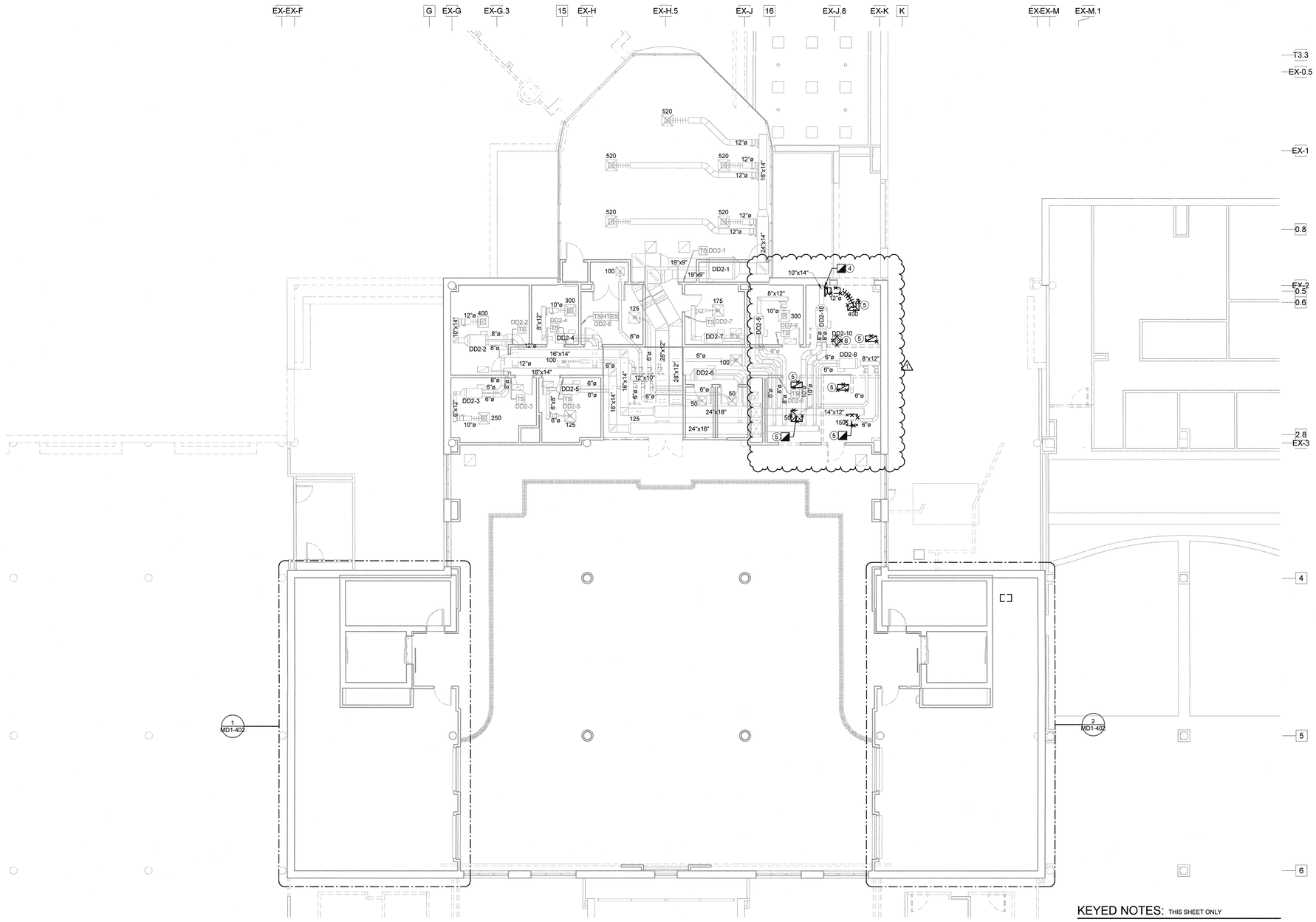
1 03/28/24 BD-54

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

ENLARGED FINANCE ELEVATOR

SHEET NUMBER

P2-202




1 MD2-130 SCHEDULE 2 - ADMIN LEVEL - MECHANICAL PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

## KEYED NOTES: THIS SHEET ONLY

1. REMOVE EXISTING PGAC ON ROOF. EXISTING ROOF CURB TO BE CAPPED WEATHERTIGHT WITH INSUALTED CAP.
2. REMOVE EXISTING MAKE-UP AIR FAN ON ROOF. EXISTING ROOF CURB TO BE CAPPED WEATHERTIGHT WITH INSUALTED CAP.
3. REMOVE EXISTING FAN ON ROOF. EXISTING ROOF CURB TO BE CAPPED WEATHERTIGHT WITH INSUALTED CAP.
4. REMOVE EXISTING SUPPLY AIR DIFFUSER, RUNOUT AND ACCESSORIES COMPLETE TO POINT INDICATED.
5. EXISTING REGISTER, GRILLE OR DIFFUSER TO BE REMOVED AND REPLACED.
6. CAREFULLY REMOVE AND RELOCATE EXISTING THERMOSTAT. SEE M2-130 FOR NEW LOCATION.

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

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JOB # 19005

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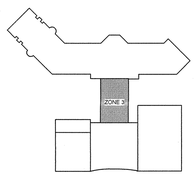
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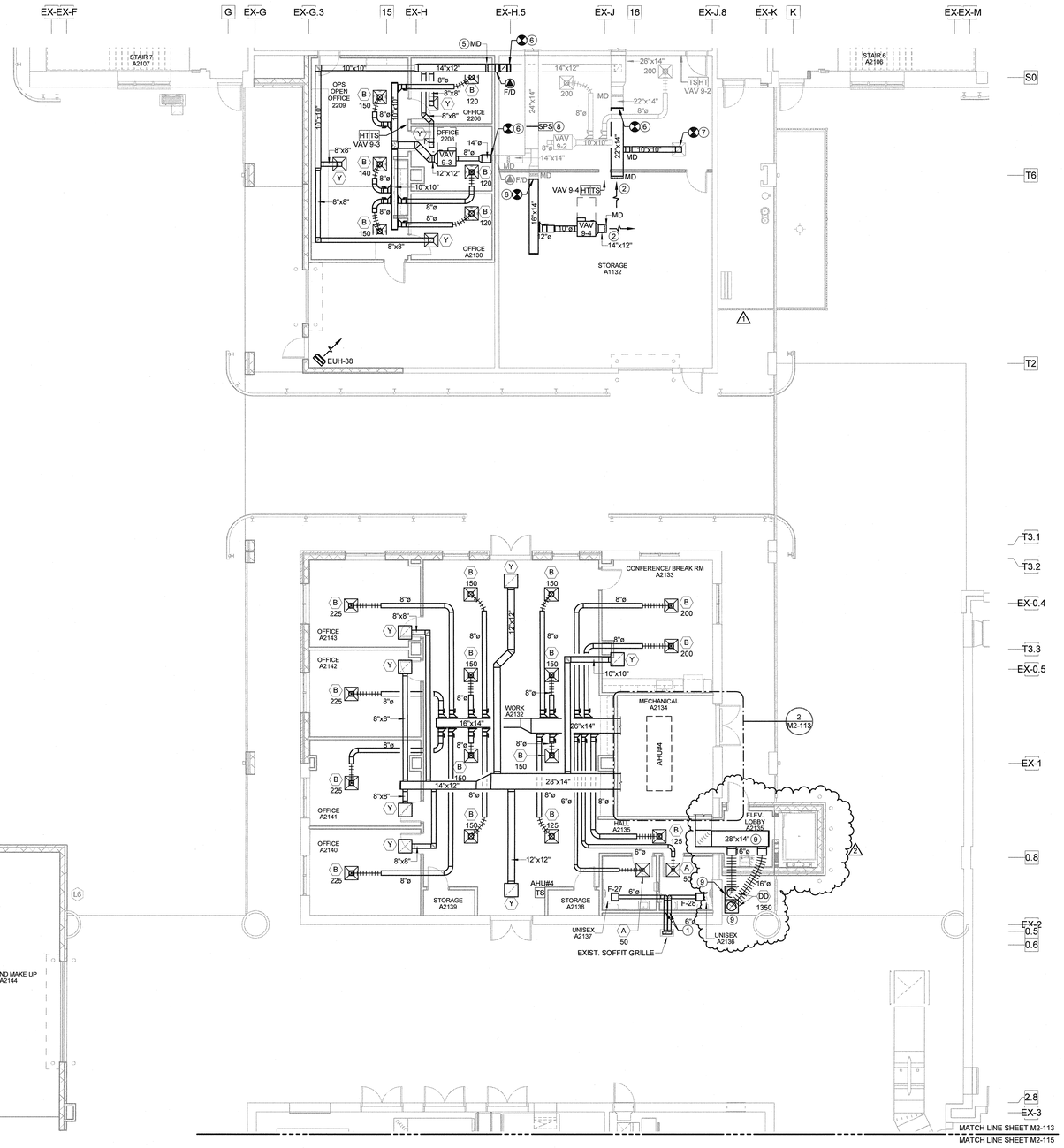
1 03/28/24 BD-54

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

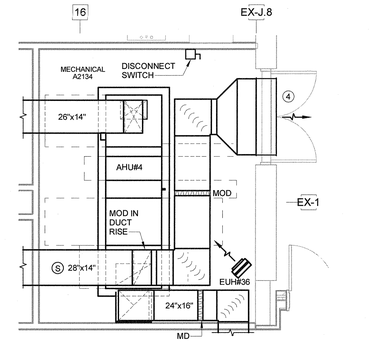
SCHEDULE 2 - ADMIN LEVEL MECHANICAL PLAN - DEMOLITION

SHEET NUMBER

MD2-130




1 M2-113 SCHEDULE 2 - RAMP LEVEL MECHANICAL PLAN - ZONE 3
SCALE: 1/8" = 1'-0"




2 M2-113 SCHEDULE 2 - MECHANICAL ROOM A2134
SCALE: 1/4" = 1'-0"

## KEYED NOTES: THIS SHEET ONLY

1. SEAL EXISTING OPENING AND AROUND NEW EXHAUST AIR DUCTWORK AIRTIGHT.
2. PROVIDE 1/2"x1/2" WIRE MESH OVER OPEN END OF DUCTWORK.
3. ENLARGE EXISTING LOUVER OPENING TO ACCOMDATE NEW OUTSIDE AIR DUCTWORK OUT TO SOFFIT GRILLES.
4. SIDEWALL RELIEF AIR LOUVER BY GC. SEE ARCHITECTURAL PLANS. MOUNT 9'-6" AFF TO TOP OF LOUVER.
5. NEW LOCATION OF EXISTING MANUAL BALANCING DAMPER.
6. CONNECT NEW DUCTWORK TO EXISTING AT POINT INDICATED. (1)
7. EXISTING RETURN AIR GRILLE IS NOT DUCTED. CONNECT NEW RUNOUT FROM EXISTING RETURN AIR GRILLE TO NEW RETURN AIR DUCT MAIN.
8. NEW STATIC PRESSURE SENSOR.
9. SHIFT EXIST. 28"x14" OUTSIDE AIR INTAKE DUCTWORK PLAN NORTH OVER CEILING IN ELEV. LOBBY 2314. REMOVE WIRE MESH FROM OPEN END, AND EXTEND DUCTWORK AS INDICATED. SHIFT EXISTING OUTSIDE AIR SOFFIT GRILLES TO NEW LOCATION INDICATED. ROUTE NEW 16"Ø FLEX DUCT FROM 28"x14" TO SOFFIT GRILLES. (2)


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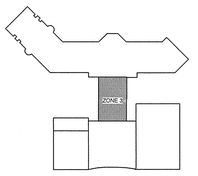
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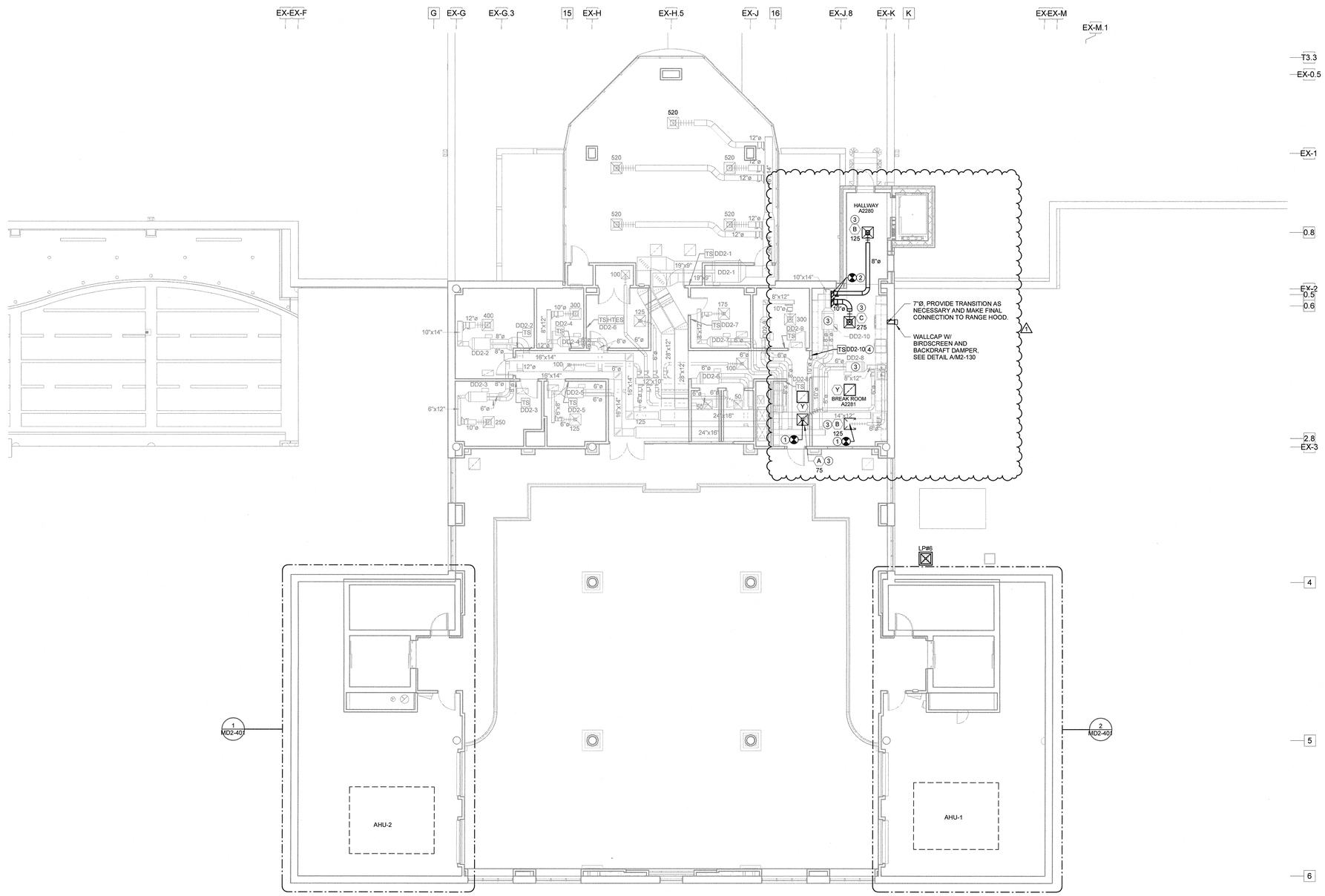
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| 1 | 11/11/22 | BD-47 |
| 2 | 03/28/24 | BD-54 |

DATE 02/16/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - RAMP LEVEL MECHANICAL PLAN - ZONE 3

SHEET NUMBER

# M2-113

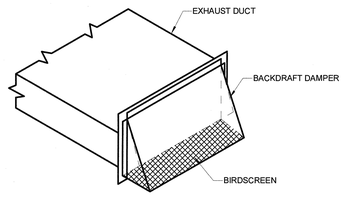



1 M2-130 SCHEDULE 2 - ADMIN LEVEL MECHANICAL PLAN

SCALE: 1/8" = 1'-0"

KEYED NOTES: THIS SHEET ONLY

1. EXTEND EXISTING RUNOUT AS NECESSARY TO CONNECT TO NEW SUPPLY AIR DIFFUSER IN NEW CEILING GRID .
2. CONNECT NEW DUCTWORK TO EXISTING AT POINT INDICATED.
3. RE-TAB EXISTING DUAL DUCT TERMINAL BOXES AND AIR TERMINALS TO CFM'S INDICATED.
4. NEW LOCATION FOR EXISTING THERMOSTAT. EXTEND CONTROL WIRING AS NECESSARY.




A M2-130 WALL CAP DETAIL

SCALE: NONE

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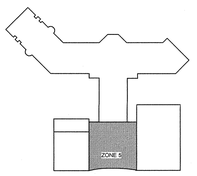
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SHEET TITLE

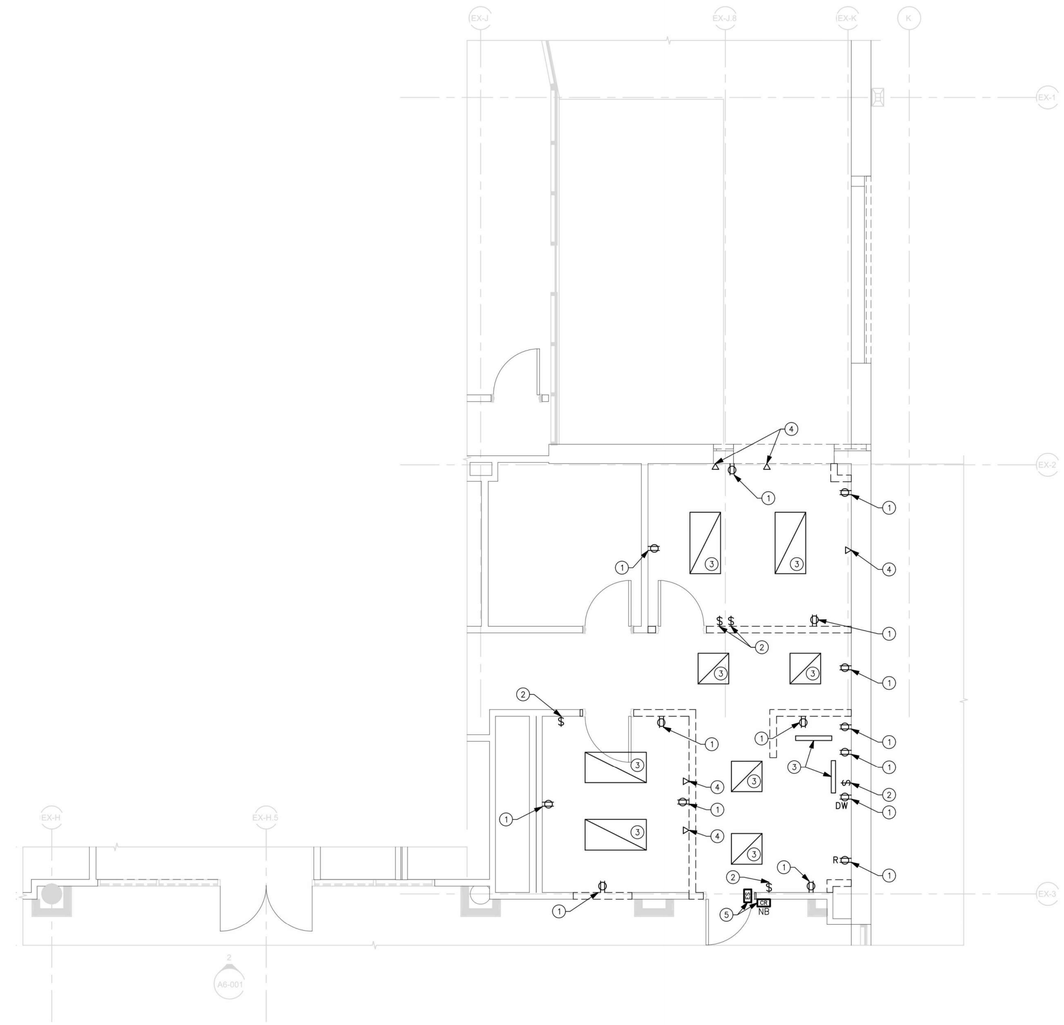
SCHEDULE 2 - ADMIN LEVEL MECHANICAL PLAN - RENOVATION

SHEET NUMBER

M2-130

KEYED NOTES (DEMOLITION WORK):

1. REMOVE EXISTING OUTLET AND ASSOCIATED CIRCUITRY BACK TO NEAREST JUNCTION BOX.
2. REMOVE EXISTING LIGHT SWITCH AND ASSOCIATED CIRCUITRY BACK TO NEAREST JUNCTION BOX.
3. REMOVE EXISTING LIGHT FIXTURE AND REMOVE ASSOCIATED CIRCUITRY TO NEAREST JUNCTION BOX.
4. REMOVE EXISTING DATA OUTLET AND ASSOCIATED CABLING TO ASSOCIATED DATA CABINET.
5. EXISTING DEVICE TO BE RELOCATED, SEE NEW WORK PLANS.




1 ED2-211 SCHEDULE 2 – ELECTRICAL ADMIN LEVEL – DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE: 1/4"=1'-0"
0 1 2 4 8

TRUE NORTH

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NORTH CAROLINA PROFESSIONAL SEAL 17593 ENGINEER MARK A CIARROCCA

Digitally signed by Mark A. Ciarrocca
Date: 2024.03.28 11:50:09-04'00'


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|---|---|---|
| 1 | BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL ADMIN LEVEL DEMOLITION PLAN

SHEET NUMBER

ED2-211

## DATA & TELEPHONE OUTLET LEGEND

| SYMBOL | DESCRIPTION | PROVIDED BY: CONTRACTOR |
|---|---|---|
| BD | DATA / TELEPHONE OUTLET FOR FLIGHT INFORMATION BACK LINE DISPLAY INFORMATION | WALL, LOCATED BEHIND FLIGHT INFORMATION BACK DISPLAY IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT).<br>SEE POWER PLANS FOR SHARED BOX WITH POWER OUTLET. DESIGN BASIS ARLINGTON #TVBS613 WITH COVER.<br>ROUTE (4) 1" C TO IT A1112<br>INSTALL (5) CAT 6 CABLES TO IT ROOM A1112 AS FOLLOWS:<br>(1) CAT 6 CABLE FOR AMERICAN AIRLINES<br>(1) CAT 6 CABLE FOR DELTA AIRLINES<br>(1) CAT 6 CABLE TO UNITED AIRLINES<br>(1) CAT 6 CABLE TO ILM DATA RACK<br>(1) CAT 6 CABLE FOR FUTURE |
| BDH | DATA / TELEPHONE OUTLET FOR FLIGHT INFORMATION BACK LINE DISPLAY INFORMATION | WALL, LOCATED BEHIND FLIGHT INFORMATION BACK DISPLAY IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT).<br>ROUTE 1" C TO OFFICE<br>–(1) CAT 6 CABLE TO AMERICAN AIRLINES IT RACK<br>ROUTE 1" C TO STORAGE<br>–(1) CAT 6 CABLE TO DELTA AIRLINES IT RACK<br>ROUTE (2) 1" C TO ELECTRICAL ROOM F<br>–(1) CAT 6 CABLE IN (1) 1"C TO UNITED AIRLINES IT RACK<br>–(1) CAT 6 CABLE IN (1) 1"C TO ILM IT RACK<br>ROUTE (1) 1" C TO RAMP LEVEL CORRIDOR |
| EL | DATA / TELEPHONE OUTLET FOR EXIT LANE | ABOVE CEILING, 4" SQUARE, DEEP BOX. COORDINATE EXACT LOCATION WITH EXIT LANE VENDOR.<br>INSTALL (2) CAT 6 CABLES TO IT A1112 OR TO ROOM BUILDING MANAGEMENT A11 |
| ID | DATA / TELEPHONE OUTLET FOR INFORMATION DISPLAY | WALL, LOCATED BEHIND INFORMATION DISPLAY IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT).<br>SEE POWER PLANS FOR SHARED BOX WITH POWER OUTLET. DESIGN BASIS ARLINGTON #TVBS613 WITH COVER.<br>ROUTE 1" C TO IT A1112 (OR ELECTRICAL ROOM F)<br>(1) CAT 6 CABLE TO ILM DATA RACK<br>(1) CAT 6 CABLE FOR FUTURE |
| ILM | DATA / TELEPHONE OUTLET | WALL, 18" AFF UNO; 4" SQUARE, DEEP BOX; STUB 1"C TO 6" ABOVE CEILING<br>INSTALL (2) CAT 6 CABLES TO IT A1112 OR TO ROOM BUILDING MANAGEMENT A11 OR TO ELECTRICAL ROOM F |
| ILM–F | FUTURE DATA DROP | DATA DROP ABOVE CEILING FOR FUTURE ILM USE.<br>INSTALL (1) CAT 6 CABLES TO IT A1112 OR TO ROOM BUILDING MANAGEMENT A11.<br>PROVIDE 25' CABLE COIL ABOVE ACCESSIBLE CEILING.<br>TERMINATE ENDS & LABEL AS "FUTURE ILM USE" |
| ILM TV | DATA / TELEPHONE OUTLET | ABOVE CEILING, 4" SQUARE, DEEP BOX<br>INSTALL (2) CAT 6 CABLES TO IT A1112 OR TO ROOM BUILDING MANAGEMENT A11 OR ELECTRICAL ROOM F |
| RC | DATA / TELEPHONE OUTLET FOR RENTAL CAR DESK | WALL MTD BELOW COUNTER IN RENTAL CAR COUNTER CASEWORK. CUT AND PATCH EXISTING CONCRETE SLAB TO ROUTE CIRCUITRY FROM COUNTER TO WALL. ROUTE EXISTING (3) CAT6 CABLES PREVIOUSLY SERVING RENTAL CAR COUNTERS TO NEW LOCATION INDICATED. |
| RD | DATA / TELEPHONE OUTLET FOR RENTAL CAR DISPLAY | WALL MTD, LOCATED BEHIND TV MOUNT IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND HEIGHT WITH OWNER/ARCHITECT). ROUTE FLEXIBLE METALLIC CONDUIT FROM NEAREST WALL. INSTALL (2) CAT 6 CABLES TO IT A1112 OR TO ROOM BUILDING MANAGEMENT A11 OR TO ELECTRICAL ROOM F<br>INSTALL (2) CAT 6 CABLES TO ASSOCIATED LOCAL IT ROOM PREVIOUSLY SERVING RENTAL CAR COUNTER. |
| TSA | TSA DATA / TELEPHONE OUTLET | WALL, 18" AFF UNO; 4" SQUARE, DEEP BOX; STUB 1"C TO 6" ABOVE CEILING OR DOWN THROUGH SLAB AS REQUIRED.<br>INSTALL (2) CAT 6 CABLES TO TSA IT RACK IN RAMP LEVEL ROOM 125. |
| TSA–A | TSA DATA OUTLET (A) | TSA FRONT XRAY OUTLET (A). 10" POKE–THROUGH ASSEMBLY WITH SHARED POWER OUTLETS. STUB 1 1/4"C DOWN THROUGH SLAB; EXTEND TO CONCEALED LOCATION AS REQUIRED.<br>INSTALL (4) CAT 6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125.<br>STUB 1 1/4"C DOWN THROUGH SLAB, OVER, AND UP THROUGH SLAB AT TSA AVS/BLS/ETD FLOOR OUTLET (C). INSTALL (4) CAT 6 A CABLES TO TSA AVS/BLS/ETD FLOOR OUTLET (C). |
| TSA–B | TSA DATA OUTLET (B) | TSA REAR XRAY OUTLET (B). 8" POKE–THROUGH ASSEMBLY WITH SHARED POWER OUTLETS. SEE TSA OUTLETS DETAIL A–503.<br>STUB 1 1/2"C DOWN THROUGH SLAB; EXTEND TO CONCEALED LOCATION AS REQUIRED.<br>INSTALL (4) CAT 6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125. |
| TSA–C | TSA DATA OUTLET (C) | TSA AVS/BLS/ETD OUTLET (C). 8" POKE–THROUGH ASSEMBLY WITH SHARED POWER OUTLETS. SEE TSA OUTLETS DETAIL A–503.<br>STUB 1 1/4"C DOWN THROUGH SLAB; EXTEND TO CONCEALED LOCATION AS REQUIRED.<br>INSTALL (4) CAT 6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125.<br>STUB 1 1/4"C DOWN THROUGH SLAB, OVER, AND UP THROUGH SLAB AT TSA REAR XRAY FLOOR OUTLET (A). INSTALL (4) CAT 6 A CABLES TO TSA REAR XRAY FLOOR OUTLET (A). |
| TSA–F | TSA DATA OUTLET (F) | TSA DURESS & CHRONOS CLOCK OUTLETS (F). ONE POTS PHONE LINE OUTLET (DURESS) & TWO CHRONOS CLOCK DATA OUTLETS; MTD 18" AFF UNO. STUB 1 1/4"C DOWN THROUGH SLAB; EXTEND TO CONCEALED LOCATION AS REQUIRED. INSTALL (3) CAT 6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125. SEE TSA OUTLETS DETAIL A–503. |
| TSA–G | TSA DATA OUTLET (G) | TSA TDC/CAT OUTLET (G); MTD IN 8" POKE–THRU ASSEMBLY; SEE POWER PLANS FOR SHARED ASSEMBLY. INSTALL 1"C FROM POKE–THRU TO CONCEALED SPACE AS REQUIRED. INSTALL (2) CAT6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125. SEE TSA OUTLETS DETAIL A–503. |
| TSA–P | TSA DATA OUTLET (P) | TSA STSO OUTLET (P); MTD IN 8" POKE–THRU ASSEMBLY; SEE POWER PLANS FOR SHARED ASSEMBLY. INSTALL 1"C FROM POKE–THRU TO CONCEALED SPACE AS REQUIRED. INSTALL (2) CAT6 A CABLES TO TSA IT RACK IN RAMP LEVEL TSA TRAINING ROOM 125. SEE TSA OUTLETS DETAIL A–503. |
| AP | DATA DROP FOR ACCESS POINT | PROVIDE 20' COIL AT TERMINATED DATA DROP LOCATION FOR CONNECTION TO FUTURE OWNER PROVIDED EQUIPMENT.<br>INSTALL (1) CAT 6A CABLE TO IT A1112 OR ELECTRICAL ROOM F/ILM RACK |
| | DATA / TELEPHONE OUTLET | FLOOR AT COUNTER; MTD IN POKE–THRU ASSEMBLY; INTEGRAL TO POWER FLOOR BOX WITH DIVIDER SEPARATING POWER & COMMUNICATIONS<br>COORDINATE EXACT LOCATION WITH ARCHITECT<br>ROUTE (1) 2" C UNDERGROUND TO IT A1112<br>INSTALL (5) CAT 6 CABLES TO IT A1112<br>(1) CAT 6 CABLE FOR AMERICAN AIRLINES<br>(1) CAT 6 CABLE FOR DELTA AIRLINES<br>(1) CAT 6 CABLE TO UNITED AIRLINES<br>(1) CAT 6 CABLE FOR FUTURE<br>(1) CAT 6 CABLE TO PA SYSTEM |
| H | DATA / TELEPHONE OUTLET | FLOOR AT COUNTER; MTD IN POKE–THRU ASSEMBLY; INTEGRAL TO POWER FLOOR BOX WITH DIVIDER SEPARATING POWER & COMMUNICATIONS<br>COORDINATE EXACT LOCATION WITH ARCHITECT<br>ROUTE 1" C TO OFFICE<br>–(1) CAT 6 CABLE TO ABOVE AMERICAN AIRLINES IT RACK, PROVIDE 30' LOOP ON IT RACK END OF CABLES.<br>ROUTE 1" C TO STORAGE<br>–(1) CAT 6 CABLE TO ABOVE DELTA AIRLINES IT RACK, PROVIDE 30' LOOP ON IT RACK END OF CABLES.<br>ROUTE (2) 1" C TO ELECTRICAL ROOM F<br>–(1) CAT 6 CABLE IN (1) 1"C TO ABOVE UNITED AIRLINES IT RACK, PROVIDE 30' LOOP ON IT RACK END OF CABLES.<br>–(1) CAT 6 CABLE IN (1) 1"C TO PA SYSTEM<br>ROUTE (1) 1" C TO RAMP LEVEL CORRIDOR |
| | DATA / TELEPHONE OUTLET | FLOOR, INTEGRAL TO POWER FLOOR BOX WITH DIVIDER SEPARATING POWER & COMMUNICATIONS<br>ROUTE (2) 1" C UNDERGROUND, TURN UP INTO WALL CAVITY, & STUB UP TO 6" ABOVE CEILING<br>INSTALL (2) CAT 6 CABLES TO ROOM BUILDING MANAGEMENT A11. |
| ELEV | TELEPHONE OUTLET FOR ELEVATOR COMMUNICATION | COORDINATE INSTALLATION LOCATION WITH ELEVATOR VENDOR/INSTALLER |

## RECEPTACLE LEGEND

| SYMBOL | NEMA | VOLTS | DESCRIPTION |
|---|---|---|---|
| | 5–20R | 120V 1P 2W | DUPLEX, MTD 18" AFF UNO |
| CW | 5–20R | 120V 1P 2W | DUPLEX, MTD TO CEILING STRUCTURE FOR CATWALK MAINTENANCE. |
| CP | 5–20R | 120V 1P 2W | DUPLEX FOR CONDENSATE PUMP; COORDINATE LOCATION W/ MECH CONTRACTOR |
| COPIER | 5–20R | 120V 1P 2W | DUPLEX FOR COPIER, MTD 18" AFF UNO |
| | 5–20R | 120V 1P 2W | DUPLEX, MTD 6" ABOVE COUNTER HEIGHT UNO |
| G | 5–20R | 120V 1P 2W | DUPLEX GFCI, MTD 6" ABOVE COUNTER HEIGHT UNO |
| DW | 5–20R | 120V 1P 2W | DISHWASHER OUTLET, DUPLEX, MTD 12" AFF UNO. SUPPLY FROM GFCI TYPE C/B. |
| EWC | 5–20R | 120V 1P 2W | DUPLEX ELECTRIC WATER COOLER OUTLET; SUPPLY FROM GFCI TYPE C/B; COORDINATE MTG LOCATION TO CONCEAL OUTLET WHEN COOLER IS INSTALLED. |
| W/G | 5–20R | 120V 1P 2W | DUPLEX GFCI, MTD 18" AFG UNO; LISTED WEATHER–RESISTANT TYPE; PROVIDE CAST ALUMINUM WEATHERPROOF IN–USE COVER WITH CAST ALUMINUM FD WEATHERPROOF BOX |
| ID | 5–20R | 120V 1P 2W | DUPLEX FOR INFORMATION DISPLAY, LOCATED BEHIND TV MOUNT IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND HEIGHT WITH OWNER/ARCHITECT). SEE AUXILIARY SYSTEMS PLANS FOR SHARED BOX WITH DATA OUTLET. DESIGN BASIS ARLINGTON #TVBS613 WITH COVER. SEE DETAIL S/E–502. |
| G | 5–20R | 120V 1P 2W | DUPLEX GFCI, MTD 18" AFF UNO |
| HT | 5–20R | 120V 1P 2W | DUPLEX GFCI FOR HEAT TRACE; LISTED WEATHER–RESISTANT TYPE; PROVIDE CAST ALUMINUM WEATHERPROOF IN–USE COVER WITH CAST ALUMINUM FD WEATHERPROOF BOX. |
| HB | 5–20R | 120V 1P 2W | DUPLEX FOR HOT BOX HEATER; SUPPLY FROM GFEP C/B (30mA); LISTED WEATHER–RESISTANT TYPE; PROVIDE CAST ALUMINUM WEATHERPROOF IN–USE COVER WITH CAST ALUMINUM FD WEATHERPROOF BOX. COORDINATE MTG HEIGHT WITH ENCLOSURE PROVIDED. |
| | 5–20R | 120V 1P 2W | DUPLEX; MTD IN POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; 6" POKE–THRU WITH 3–GANG CAPACITY; COVER FINISH SELECTION BY ARCHITECT. |
| R | 5–20R | 120V 1P 2W | DUPLEX FOR REFRIGERATOR; MOUNT 48" AFF UNO. SUPPLY FROM GFCI TYPE C/B. |
| RC | 5–20R | 120V 1P 2W | DUPLEX, MTD BELOW COUNTER IN RENTAL CAR COUNTER CASEWORK. CUT AND PATCH EXISTING CONCRETE SLAB TO ROUTE CIRCUITRY FROM COUNTER TO WALL. |
| RD | 5–20R | 120V 1P 2W | DUPLEX FOR RENTAL CAR INFORMATION DISPLAY, LOCATED BEHIND TV MOUNT IN RECESSED LCD OUTLET BOX (COORDINATE SPECIFIC LOCATION AND HEIGHT WITH OWNER/ARCHITECT). SEE AUXILIARY SYSTEMS PLANS FOR SHARED BOX WITH DATA OUTLET. DESIGN BASIS ARLINGTON #TVBS613 WITH COVER. SEE DETAIL S/E–502. |
| SPA | 5–20R | 120V 1P 2W | DUPLEX POWER FOR SUMP PUMP ALARM PANEL. COORDINATE EXACT LOCATION WITH OWNER. |
| G | 5–20R | 120V 1P 2W | TSA TDC/CAT OUTLET (G); 5–20R DUPLEX; MTD IN 8" POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| P | 5–20R | 120V 1P 2W | TSA STSO OUTLET (P); 5–20R DUPLEX MTD IN 8" POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| TVC | 5–20R | 120V 1P 2W | DUPLEX, UNO MTD AT CEILING FOR TV. |
| UCR | 5–20R | 120V 1P 2W | DUPLEX FOR REFRIGERATOR; SUPPLY FROM GFCI TYPE C/B; COORDINATE MOUNTING HEIGHT WITH CASEWORK DRAWINGS. |
| DDC | | 120V 1P 2W | J–BOX ABOVE CLG LEVEL FOR DDC OR MECHANICAL CONTROL POWER SOURCE |
| EL | | 120V 1P 2W | POWER FOR EXIT LANE. COORDINATE EXACT LOCATION WITH EQUIPMENT VENDOR. |
| JBFA | | 120V 1P 2W | POWER FOR FIRE ALARM COMPONENTS |
| FW | | 208V 2P 2W | POWER FOR FOOD WARMER. COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED. |
| GS | | 120V 1P 2W | POWER FOR ILLUMINATED GATE SIGN. MOUNT ABOVE GATE DOOR, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SIGN VENDOR. |
| HT | 5–20R | 120V 1P 2W | POWER FOR HEAT TRACE CONTROLLER. COORDINATE J–BOX MOUNTING LOCATION WITH CONTRACTOR INSTALLING HEAT TRACE. |
| H | | 120V 1P 2W | POWER FOR EXH HOOD; COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED. |
| IS | | 120V 1P 2W | POWER FOR ILLUMINATED SIGN. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH SIGN VENDOR. |
| LM | | 120V 1P 2W | POWER FOR LED LIGHTED MIRROR. COORDINATE WITH ARCHITECT FOR EXACT HEIGHT AND LOCATION. |
| | 5–20R | 120V 1P 2W | QUAD, MTD 18" AFF UNO |
| BD | 5–20R | 120V 1P 2W | QUAD FOR FLIGHT INFORMATION BACK DISPLAY. LOCATED IN RECESSED OUTLET BOX (COORDINATE SPECIFIC LOCATION WITH OWNER/ARCHITECT). SEE AUXILIARY SYSTEMS PLANS FOR SHARED BOX WITH DATA OUTLET. DESIGN BASIS ARLINGTON #TVBS613 WITH COVER. SEE DETAIL S/E–502. |
| | 5–20R | 120V 1P 2W | QUAD, MTD IN FLUSH FLOOR BOX; SEE AUX SYS PLANS FOR SHARED BOX; PROVIDE DIVIDER FOR POWER SEPARATION FROM VOICE/DATA |
| | 5–20R | 120V 1P 2W | QUAD; MTD IN POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; 8" POKE–THRU WITH 4–GANG CAPACITY; COVER FINISH SELECTION BY ARCHITECT. |
| F | 5–20R | 120V 1P 2W | TSA DURESS OUTLET (F); QUAD; MTD 18" AFF UNO. SEE TSA OUTLETS DETAIL A–503. |
| SUMP | 5–20R | 120V 1P 2W | SIMPLEX OUTLET FOR SUMP PUMP; SUPPLIED FROM GFCI C/B; MOUNT 24" AFF/AFG. |
| L5–30R | L5–30R | 120V 1P 2W | DATA ROOM RECEPTACLE. MOUNT TO TOP OF RACK. |
| | | 208/120V 2P 3W | TSA REAR XRAY OUTLET (B). (3) 5–20R DUPLEX, (1) 5–20R SIMPLEX, & (1) L5–30R TWISTLOCK MOUNTED IN 10" POKE–THRU ASSEMBLY; VERIFY SPACING REQUIREMENTS WITH MANUFACTURER FOR MINIMUM DISTANCE FROM ADJACENT DATA POKE–THRU; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| R | 14–50R | 208/120V 2P 3W | RANGE OUTLET; COORDINATE REQUIREMENTS WITH EQUIPMENT PROVIDED |
| A | | 120V 1P 2W | TSA FRONT XRAY OUTLET (A). 5–20R DUPLEX, L5–15R TWISTLOCK, AND (1) L5–20R TWISTLOCK MTD IN 10" POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| B | | 120V 1P 2W | TSA REAR XRAY OUTLET (B). (3) 5–20R DUPLEX, (1) 5–20R SIMPLEX, MOUNTED IN 8" POKE–THRU ASSEMBLY; VERIFY SPACING REQUIREMENTS WITH MANUFACTURER FOR MINIMUM DISTANCE FROM ADJACENT DATA POKE–THRU; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| C | | 120V 1P 2W | TSA AVS/BLS/ETD OUTLET (C). 5–20R DUPLEX MTD IN 8" POKE–THRU ASSEMBLY; SEE AUX SYS PLANS FOR SHARED ASSEMBLY; COVER FINISH SELECTION BY ARCHITECT. SEE TSA OUTLETS DETAIL A–503. |
| L6–30R | L6–30R | 208V 2P 2W | POWER FOR TSA IT CABINET |
| | | 120V 1P 2W | EXHAUST FAN; SEE MECHANICAL SCHEDULE. PROVIDE POWER PACK FOR SWITCHING WITH LIGHTING CEILING OCCUPANCY SENSOR. |

## FIRE ALARM LEGEND

| SYMBOL | DESCRIPTION | MOUNTING |
|---|---|---|
| AMP | AMPLIFIER | WALL |
| CM | CONTROL / RELAY MODULE | |
| CM DR | RELAY MODULE FOR DOOR RELEASE ON FIRE ALARM | ACCESS CONTROL EQUIPMENT |
| CM FD | CONTROL / RELAY MODULE FOR FIRE DOOR ACTIVATION | EQUIPMENT |
| D | DUCT DETECTOR – PROVIDED BY FIRE ALARM VENDOR | BY MECH CONTRACTOR |
| FCPS | FIELD CHARGING POWER SUPPLY | WALL |
| FS | FLOW SWITCH | BY SPRINKLER CONTRACTOR |
| H | HEAT DETECTOR | CEILING |
| HD E | HEAT DETECTOR– ELEVATOR PIT, COORDINATE LOCATION WITH SPRINKLER HEAD | WALL |
| F 15 | HORN/STROBE, 15 CANDELA | WALL |
| LOC | LOCAL OPERATOR CONSOLE | WALL |
| MM TS | MONITOR MODULE FOR TAMPER SWITCH | |
| MM | MONITOR MODULE FOR MONITORING A DRY CONTACT CLOSURE DEVICE | |
| P | PULL STATION | WALL |
| R | REMOTE INDICATOR WITH TEST SWITCH FOR DUCT DETECTOR | CEILING / WALL |
| S | SMOKE DETECTOR | CEILING |
| HS | SMOKE DETECTOR | WALL |
| TS | TAMPER SWITCH | BY SPRINKLER CONTRACTOR |

## FIRE ALARM AV LEGEND

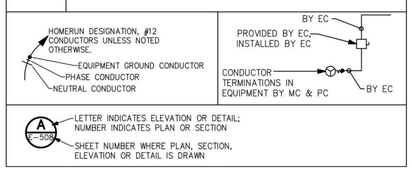
| SYMBOL | DESCRIPTION | MOUNTING |
|---|---|---|
| M | SPEAKER 1/4 WATT – 8 WATT MULTI TAP SPEAKER | CEILING MTD |
| 1/2–15 | SPEAKER STROBE 1/2 WATT, 15 CANDELA | CEILING MTD |
| 1/2–30 | SPEAKER STROBE 1/2 WATT, 30 CANDELA | CEILING MTD |
| 1/2–75 | SPEAKER STROBE 1/2 WATT, 75 CANDELA | CEILING MTD |
| 1/4–15 | SPEAKER STROBE 1/4 WATT, 15 CANDELA | CEILING MTD |
| 1/4–30 | SPEAKER STROBE 1/4 WATT, 30 CANDELA | CEILING MTD |
| 1–15 | SPEAKER STROBE 1 WATT, 15 CANDELA | CEILING MTD |
| 1–30 | SPEAKER STROBE 1 WATT, 30 CANDELA | CEILING MTD |
| 1–75 | SPEAKER STROBE 1 WATT, 75 CANDELA | CEILING MTD |
| 2–75 | SPEAKER STROBE 2 WATT, 75 CANDELA | CEILING MTD |
| 2–95 | SPEAKER STROBE 2 WATT, 95 CANDELA | CEILING MTD |
| 2–115 | SPEAKER STROBE 2 WATT, 115 CANDELA | CEILING MTD |
| 2–177 | SPEAKER STROBE 2 WATT, 177 CANDELA | CEILING MTD |
| 1/2–15 | SPEAKER STROBE 1/2 WATT, 15 CANDELA | WALL MTD |
| 1/2–30 | SPEAKER STROBE 1/2 WATT, 30 CANDELA | WALL MTD |
| 1–75 | SPEAKER STROBE 1 WATT, 75 CANDELA | WALL MTD |
| 1–95 | SPEAKER STROBE 1 WATT, 95 CANDELA | WALL MTD |
| 2–75 | SPEAKER STROBE 2 WATT, 75 CANDELA | WALL MTD |
| 2–95 | SPEAKER STROBE 2 WATT, 95 CANDELA | WALL MTD |
| 2–115 | SPEAKER STROBE 2 WATT, 115 CANDELA | WALL MTD |
| 2–177 | SPEAKER STROBE 2 WATT, 177 CANDELA | WALL MTD |
| 15 | STROBE 15 CANDELA | WALL MTD |

## PA AND SECURITY LEGEND

| SYMBOL | DESCRIPTION | MOUNTING | NOTES |
|---|---|---|---|
| PA | DEMO PA SPEAKER | CEILING | |
| CR BIO | CARD READER, BIOMETRIC | 4" SQUARE BOX RECESSED | INSTALL 3/4"C AND CABLE TO ROOM BUILDING MANAGEMENT A111 |
| CR NB | CARD READER, NON–BIOMETRIC | 4" SQUARE BOX RECESSED | INSTALL 3/4"C AND CABLE TO ROOM BUILDING MANAGEMENT A111 |
| CR 3C | SECURITY CAMERA, 3–SENSOR | CEILING; 4" SQUARE BOX, RECESSED | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR 3W | SECURITY CAMERA, 3–SENSOR | WALL; 4" SQUARE BOX, RECESSED; COORDINATE HEIGHT W/ ARCHITECT | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR 4C | SECURITY CAMERA, 4–SENSOR | CEILING; 4" SQUARE BOX, RECESSED | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR 4W | SECURITY CAMERA, 4–SENSOR | WALL; 4" SQUARE BOX, RECESSED; COORDINATE HEIGHT W/ ARCHITECT | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR FC | SECURITY CAMERA, FIXED FOCUS | CEILING; 4" SQUARE BOX, RECESSED | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR FW | SECURITY CAMERA, FIXED FOCUS | WALL; 4" SQUARE BOX, RECESSED; COORDINATE HEIGHT W/ ARCHITECT | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR PTZC | SECURITY CAMERA, PAN–TILT–ZOOM | CEILING; 4" SQUARE BOX, RECESSED | STUB 3/4"C TO INDICATED LOCATION OR NEAREST ACCESSIBLE CEILING SPACE; INSTALL CAT6 CABLE TO NEAREST ILM IT SPACE |
| CR BHS | CARD READER FOR BHS | COORDINATE EXACT LOCATION WITH BHS VENDOR | 4" SQUARE BOX RECESSED. COORDINATE MOUNTING WHERE INDICATED AT BHS MCPS.<br>INSTALL 3/4"C AND CABLE TO ROOM BUILDING MANAGEMENT A111. |
| | DOOR SWITCH / CONTACT | RECESSED | 1/2" FLEXIBLE METALLIC CONDUIT CONCEALED IN DOOR FRAME HEADER TO JUNCTION BOX MTD ABOVE DOOR. INSTALL 3/4"C AND CABLE TO ROOM BUILDING MANAGEMENT A111. |
| BHS | DRY CONTACTS | | CONVEYOR FIRE DOOR POSITION MONITORING (OPEN & CLOSED) THROUGH BHS CONTROL PANEL. 3/4"C AND CABLE (4#14#14G) BACK TO ROOM BUILDING MANAGEMENT A111. |
| EH | ELECTRIC HINGE | | 1/2" FLEXIBLE METALLIC CONDUIT CONCEALED IN DOOR FRAME TO JUNCTION BOX MTD ABOVE CEILING. PROVIDE PATHWAY THROUGH DOOR TO ACCOMMODATE CONNECTION TO ASSOCIATED ELECTRIC STRIKE. |
| ES | ELECTRIC STRIKE | | FOR SINGLE DOOR, PROVIDE 1/2" FLEXIBLE METALLIC CONDUIT CONCEALED IN DOOR FRAME TO JUNCTION BOX MTD ABOVE CEILING. SEE NOTES AT ELECTRIC HINGE FOR DOUBLE DOOR CONFIGURATION. |
| S | PA SPEAKER | CEILING/ RECESSED | |

## MISC. ELECTRICAL SYMBOL LEGEND

- ENCLOSED CIRCUIT BREAKER, NEMA 1 (UNO), AMPERAGE AS INDICATED OR BASED ON SUPPLY CIRCUIT RATING.
- EQUIPMENT CONNECTION
- SAFETY SWITCH DISCONNECT, HEAVY–DUTY, NON–FUSED, NEMA 1 INSIDE, NEMA 4X OUTSIDE (UNO), AMPERAGE AS INDICATED OR BASED ON SUPPLY CIRCUIT BREAKER RATING.
- SAFETY SWITCH DISCONNECT, HEAVY–DUTY, FUSED AT NAMEPLATE RATING OF EQUIPMENT SERVED, NEMA 1 INSIDE, NEMA 4X OUTSIDE (UNO), AMPERAGE AS INDICATED OR BASED ON SUPPLY CIRCUIT BREAKER RATING.
- $M MANUAL MOTOR STARTER, SIZED IN ACCORDANCE WITH NAMEPLATE RATING OF EQUIPMENT SERVED
- PANELBOARD, SEE PANEL SCHEDULE
- T TRANSFORMER, DRY TYPE, RATINGS INDICATED. PROVIDE 4" CONCRETE HOUSE KEEPING PAD IF A FLOOR MOUNTED UNIT IS PROVIDED.
- GROUND ROD, 3/4" X 10' COPPER CLAD. WHERE TWO RODS ARE INDICATED, SPACE A MINIMUM OF 20' APART.
- DOOR OPERATOR PUSHBUTTON STATION.




## SWITCH LEGEND

| SYMBOL | DESCRIPTION | NOTES |
|---|---|---|
| $D | DIMMER SWITCH | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |
| $D3 | DIMMER SWITCH FOR 3–WAY CONTROL | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |
| $4 | 4–WAY SWITCH | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO; WHERE SHOWN PAIRED, PROVIDE DUAL LEVEL SWITCHING. |
| $LV | LOW VOLTAGE SWITCH; MTD 42" AFF UNO | CONNECT VIA LOW VOLTAGE BUS TO LIGHTING CONTROL SYSTEM; VERIFY CABLE REQUIREMENTS WITH VENDOR; SEE PLAN NOTES FOR CONTROL INFO. |
| $OD | OCCUPANCY SENSOR WALL SWITCH, DIMMER; DUAL TECHNOLOGY | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |
| $01 | OCCUPANCY SENSOR WALL SWITCH, SINGLE CKT, DUAL TECHNOLOGY | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |
| 1 | OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL MTD @ 10' AFF UNO | INCORPORATE POWER PACK FOR CIRCUITRY SWITCHING, SEE WIRING DIAGRAMS |
| | OCCUPANCY SENSOR, DUAL TECHNOLOGY; CEILING MTD | INCORPORATE POWER PACK FOR CIRCUITRY SWITCHING, SEE WIRING DIAGRAMS |
| | PHOTOCELL, EXTERIOR; MOUNT ON NORTH FACE OF BLDG, FACING NORTH | |
| FAA | FAA PHOTOCELL, EXTERIOR; MOUNT ON NORTH FACE OF BLDG, FACING NORTH | |
| $ | TOGGLE SWITCH, SINGLE POLE | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |
| $3 | 3–WAY SWITCH | RATED FOR VOLTAGE WHERE APPLIED, 20A; MTD 42" AFF UNO |

ALL ELECTRICAL WORK FOR THE HOLDROOM RENOVATION SHALL BE PHASED AND COORDINATED WITH THE ARCHITECTURAL PHASING PLANS.
A

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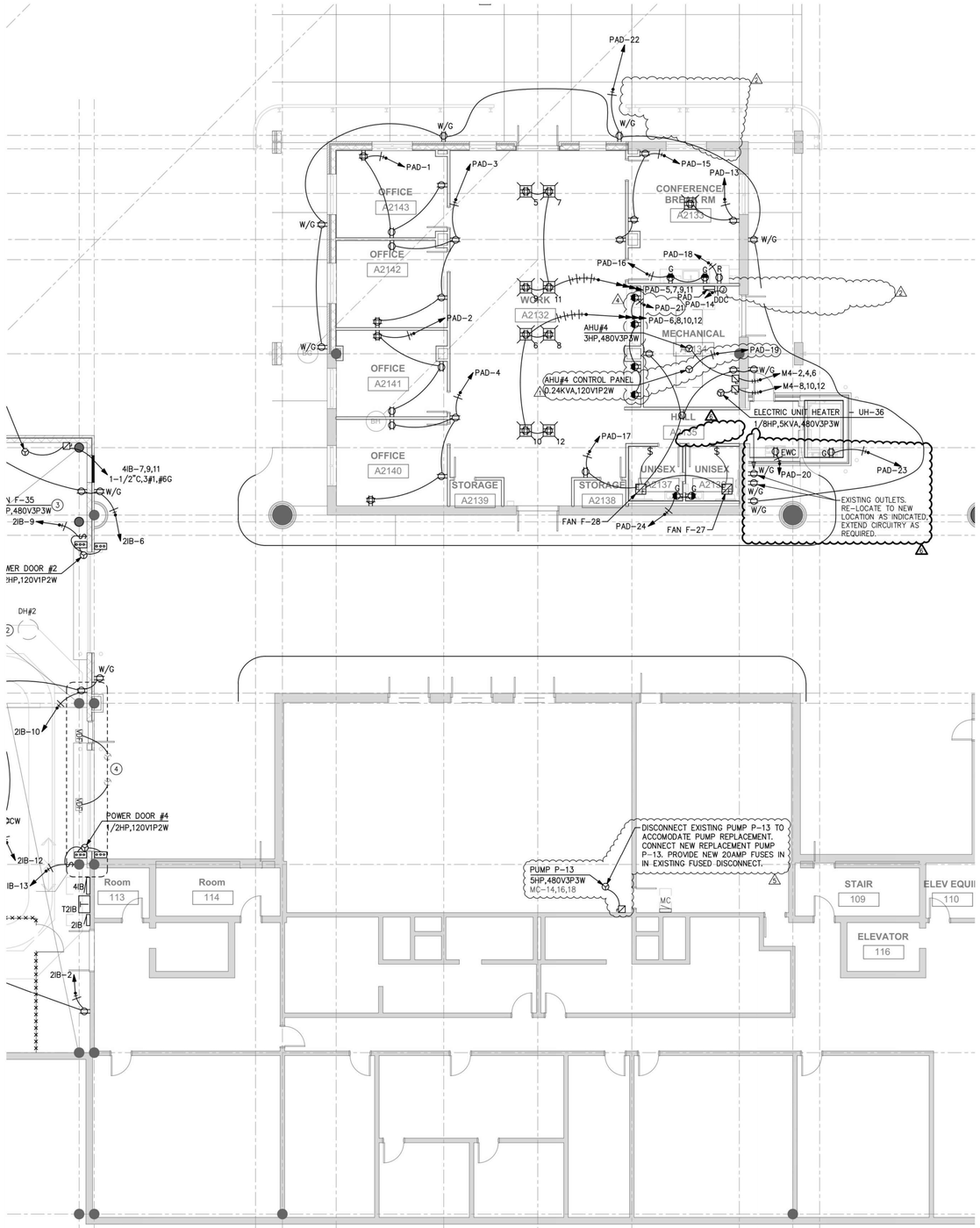
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REVISIONS

| | | |
|---|---|---|
| 3 | BD–37 | 10/29/2021 |
| 4 | BD–




1 E2-115 SCHEDULE 2 – ELECTRICAL RAMP LEVEL – POWER PLAN – ZONE 5
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 2 4 8 16

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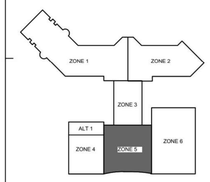
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KEY PLAN


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REVISIONS

| | | |
|---|---|---|
| 1 | AD-03 | 07/26/2019 |
| 2 | BD-30 MECHANICAL HEAT TRACE | 04/29/2021 |
| 3 | NOT USED | |
| 4 | OUTLET ADDITION | 11/02/2022 |
| 5 | BD-51 | 07/28/2023 |
| 6 | BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL RAMP LEVEL POWER PLAN ZONE 5

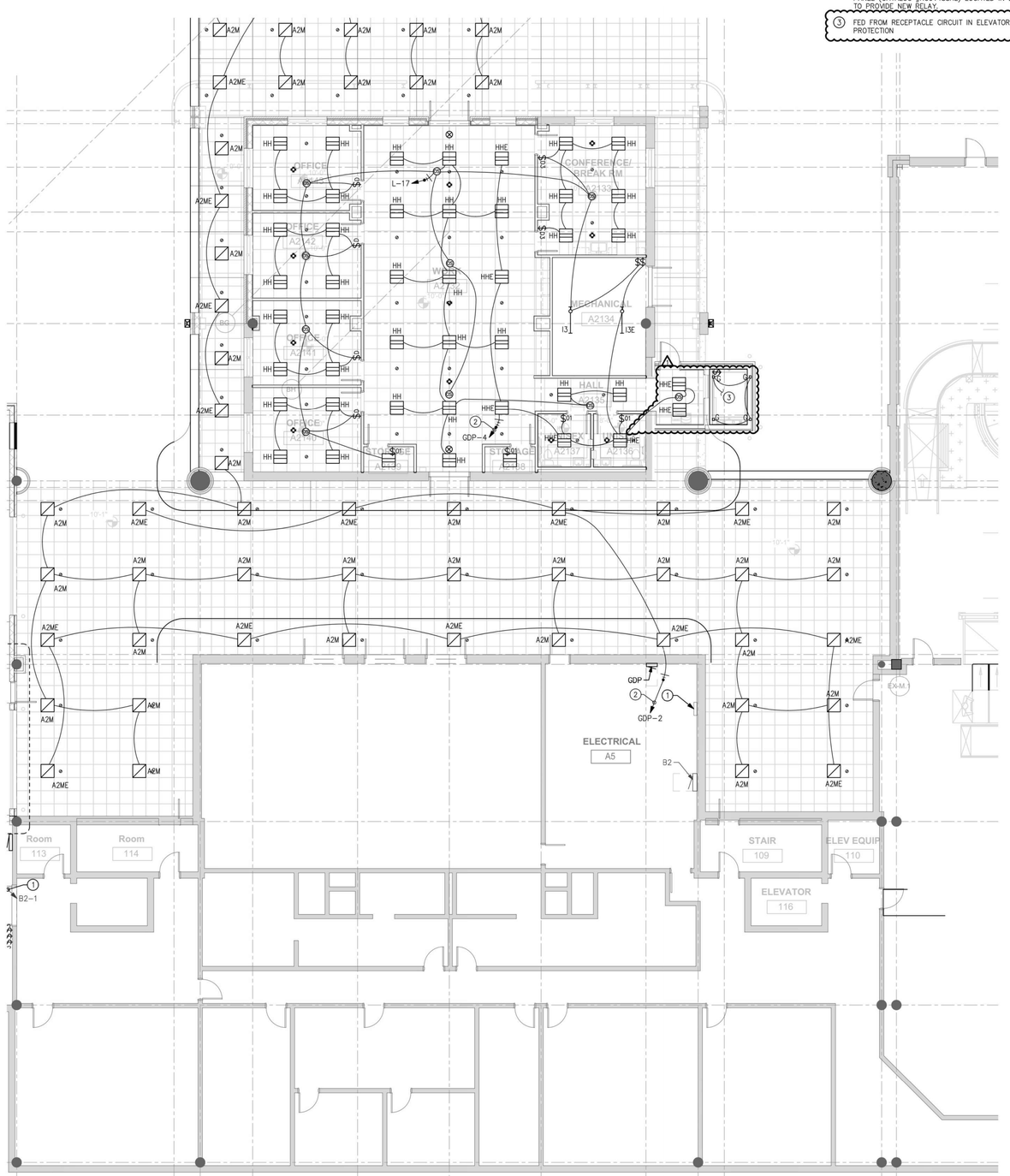
SHEET NUMBER

E2-115

NOTES:
1. LIGHTING FIXTURE SELECTION AND LAYOUT WERE DESIGNED BY HARTRANFT LIGHTING DESIGN. INCLUSION HERE IS NOT INTENDED TO REPRESENT THAT THE FIXTURE SELECTION AND LAYOUT ARE A WORK PRODUCT OF CHEATHAM & ASSOCIATES, P.A. SEE LUMINAIRE SCHEDULE NOTE 1 FOR WHICH LIGHT FIXTURE TYPES THIS NOTE APPLIES TO.

KEYED NOTES:

1. EXISTING GE LIGHTING CONTROL PANEL LOCATION (CATALOG #RC0V48SHL).
2. LIGHTING CIRCUIT TO BE CONTROLLED THROUGH EXISTING GE LIGHTING CONTROL PANEL (CATALOG #RC0V48SHL) LOCATED IN ELECTRICAL ROOM A5. CONTRACTOR TO PROVIDE NEW RELAY.
3. FED FROM RECEPTACLE CIRCUIT IN ELEVATOR PIT. CONNECT AHEAD OF GFCI PROTECTION




1 E2-125 SCHEDULE 2 – ELECTRICAL RAMP LEVEL – LIGHTING PLAN – ZONE 5
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 2 4 8 16

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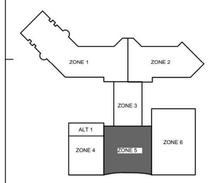
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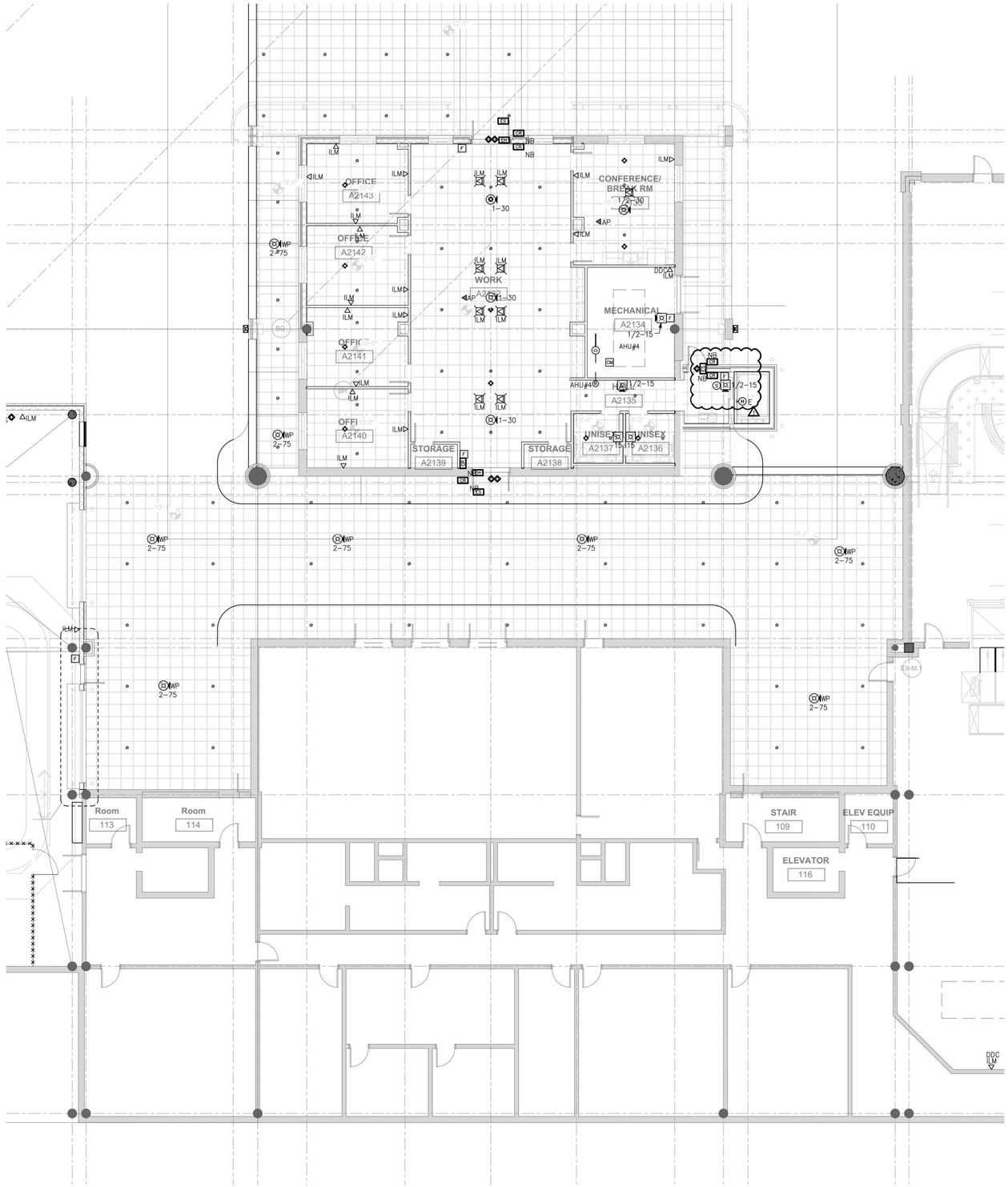
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|---|---|
| ⚠ BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL RAMP LEVEL LIGHTING PLAN ZONE 5

SHEET NUMBER

E2-125




1 E2-135 SCHEDULE 2 – ELECTRICAL RAMP LEVEL – AUXILIARY SYSTEMS PLAN – ZONE 5
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 2 4 8 16

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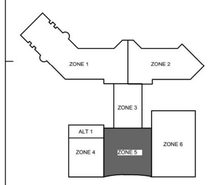
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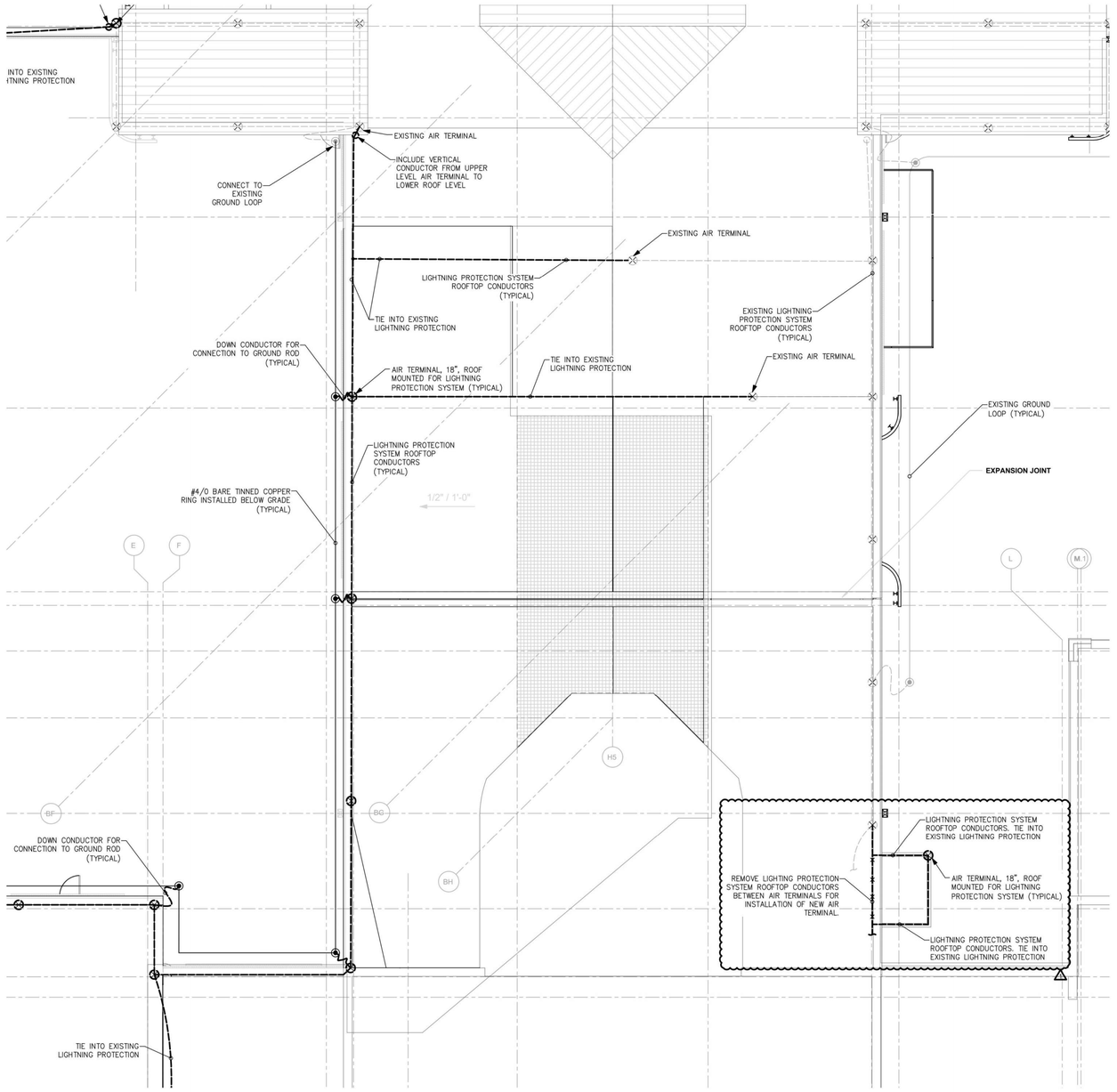
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| 1 | BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL RAMP LEVEL AUXILIARY SYSTEMS PLAN ZONE 5

SHEET NUMBER

E2-135




1 E2-173 SCHEDULE 2 – ELECTRICAL ROOF PLAN – ZONE 3
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 2 4 8 16

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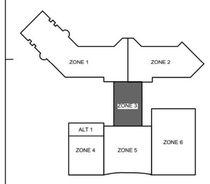
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DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL ROOF PLAN ZONE 3

SHEET NUMBER

E2-173

KEYED NOTES:

1. PROVIDE NEW REPLACEMENT PANEL B1. CONNECT PANEL TO EXISTING PANEL B1 FEEDER AND RE-CONNECT EXISTING CIRCUITRY AS INDICATED ON PANEL SCHEDULE.
2. EXISTING PANEL "B6"; SQUARE D I LINE TYPE. 277/480V 3P4W. PROVIDE THE FOLLOWING BREAKERS:
   - NEW 3P 90AMP BREAKER IN POSITION 31,33,35 TO SUPPLY AHU#2.
   - NEW 3P 20AMP BREAKER IN POSITION 44,46,48 TO SUPPLY EUH#40.

## B1 (REPLACEMENT PANEL)

ROOM: MECHANICAL AD-19 | VOLTS: 480Y/277V 3P 4W | AIC: 18,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: 225
FED FROM: B | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90/3 | AHU#1 MOTOR | 11.6 | | | 2 | 20/1 | (*) STAIRWELL LIGHT | 0.3 | | |
| 3 | \| | | | 11.6 | | 4 | -/2 | SPACE | | 0 | |
| 5 | \| | | | | 11.6 | 6 | \| | | | | 0 |
| 7 | 20/3 | (*) XFMR B1A | 0 | | | 8 | 20/3 | EUH#39 | 1.67 | | |
| 9 | \| | | | 0 | | 10 | \| | | | 1.67 | |
| 11 | \| | | | | 0 | 12 | \| | | | | 1.67 |
| 13 | 80/3 | (*) RESTROOM AC | 9.43 | | | 14 | 90/3 | ELEVATOR | 11.1 | | |
| 15 | \| | | | 9.43 | | 16 | \| | | | 11.1 | |
| 17 | \| | | | | 9.43 | 18 | \| | | | | 11.1 |
| 19 | -/3 | SPACE | 0 | | | 20 | -/3 | SPACE | 0 | | |
| 21 | \| | | | 0 | | 22 | \| | | | 0 | |
| 23 | \| | | | | 0 | 24 | \| | | | | 0 |
| 25 | -/3 | SPACE | 0 | | | 26 | -/3 | SPACE | 0 | | |
| 27 | \| | | | 0 | | 28 | \| | | | 0 | |
| 29 | \| | | | | 0 | 30 | \| | | | | 0 |
| 31 | -/3 | SPACE | 0 | | | 32 | -/3 | SPACE | 0 | | |
| 33 | \| | | | 0 | | 34 | \| | | | 0 | |
| 35 | \| | | | | 0 | 36 | \| | | | | 0 |
| 37 | -/3 | SPACE | 0 | | | 38 | -/3 | SPACE | 0 | | |
| 39 | \| | | | 0 | | 40 | \| | | | 0 | |
| 41 | \| | | | | 0 | 42 | \| | | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 34.1 | 33.8 | 33.8 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 123 | 122 | 122 |

| | CONN KVA | CALC KVA | | | CONN KVA | CALC KVA | |
|---|---|---|---|---|---|---|---|
| LIGHTING | 0.3 | 0.375 | (125%) | CONTINUOUS | 0 | 0 | (125%) |
| LARGEST MOTOR | 33.3 | 41.6 | (125%) | HEATING | 33.3 | 33.3 | (100%) |
| OTHER MOTORS | 34.9 | 34.9 | (100%) | COOLING | 28.3 | 0 | (0%) |
| RECEPTACLES | 0 | 0 | (50%>10) | NONCONTINUOUS | 0 | 0 | (100%) |
| KITCHEN EQUIP | 0 | 0 | (N/A) | DIVERSE | 0 | 0 | (N/A) |
| | | | | METERED DEMAND | 0 | 0 | (125%) |
| | | | | TOTAL KVA | 102 | 110 | |
| | | | | BALANCED 3-PHASE AMPS | | 133 | |

(*) RE-CONNECT EXISTING CIRCUIT INDICATED

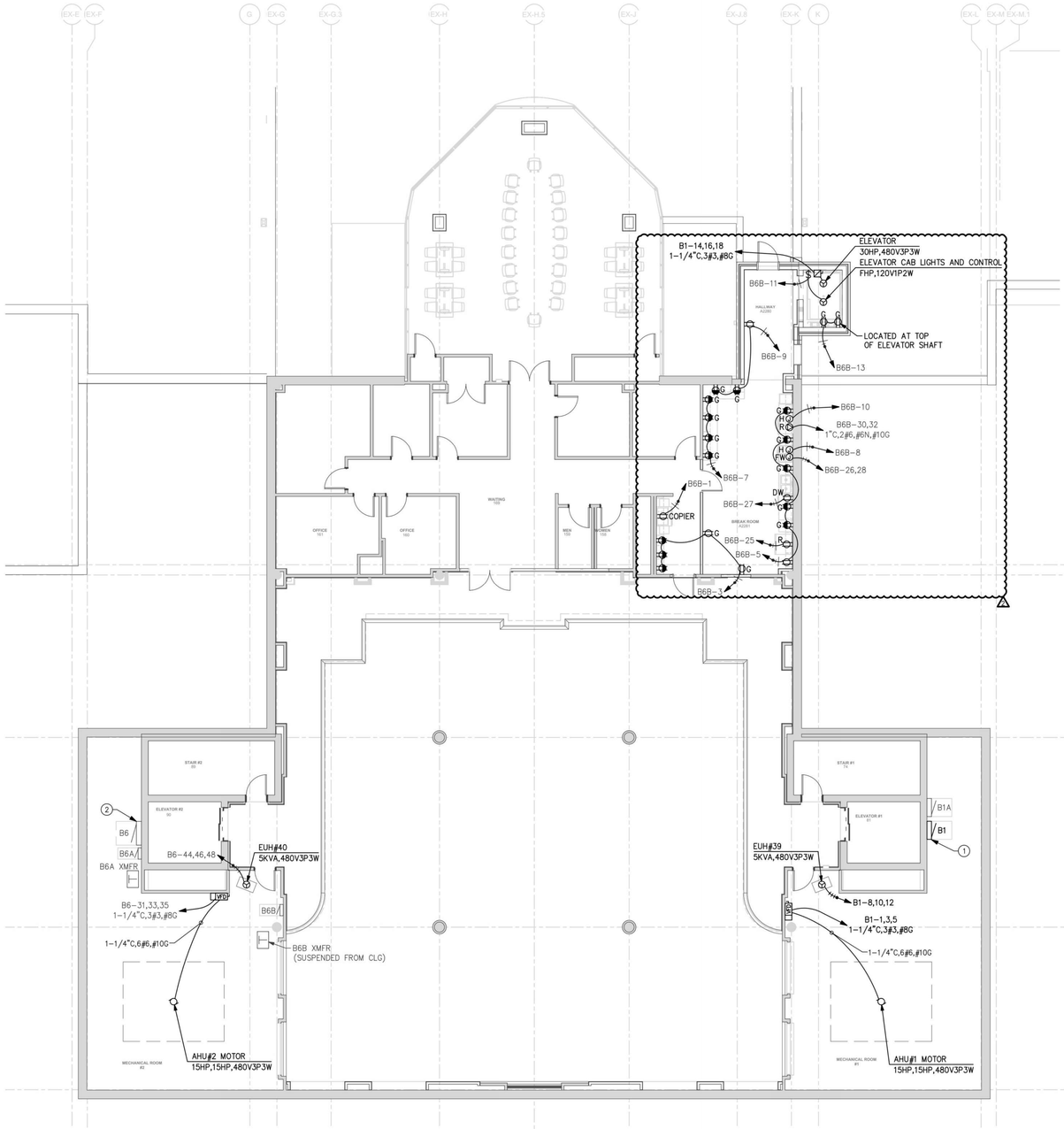
## B6B (EXISTING PANEL)

ROOM: MECHANICAL ROOM #2 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 100 | MAIN BKR: 100
FED FROM: B6B XMFR | NEUTRAL: 100% | LUGS: STANDARD
NOTE: EXISTING SQUARE-D NQ TYPE, CAT # NQ442L2C

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | REC-COPIER | 1 | | | 2 | 100/3 | MAIN BREAKER | 0 | | |
| 3 | 20/1 | REC, REC-GFCI | | 0.9 | | 4 | \| | | | 0 | |
| 5 | 20/1 | REC | | | 1.08 | 6 | \| | | | | 0 |
| 7 | 20/1 | REC | 0.72 | | | 8 | 20/1 | EXH HOOD | 0.8 | | |
| 9 | 20/1 | REC | | 0.54 | | 10 | 20/1 | EXH HOOD | | 0.8 | |
| 11 | 20/1 | ELEVATOR CAB LIGHTS AND CONTROL | | | 0.1 | 12 | 20/1 | SPARE | | | 0 |
| 13 | 20/1 | REC-GFCI | 0.18 | | | 14 | 20/1 | SPARE | 0 | | |
| 15 | 20/1 | ELEV SHAFT LTG | | 0.18 | | 16 | 20/1 | SPARE | | 0 | |
| 17 | 20/1 | SPARE | | | 0 | 18 | 20/1 | SPARE | | | 0 |
| 19 | 20/1 | SPARE | 0 | | | 20 | 20/1 | SPARE | 0 | | |
| 21 | 20/1 | SPARE | | 0 | | 22 | 20/1 | SPARE | | 0 | |
| 23 | 20/1 | SPARE | | | 0 | 24 | 20/1 | SPARE | | | 0 |
| 25 | 20/1 | (*) REC-REFRIGERATOR | 1 | | | 26 | 20/2 | (#) FOOD WARMER | 0.9 | | |
| 27 | 20/1 | (*) REC-DISHWASHER | | 1 | | 28 | \| | | | 0.9 | |
| 29 | -/1 | SPACE | | | 0 | 30 | 50/2 | (#) RANGE | | | 5.8 |
| 31 | -/1 | SPACE | 0 | | | 32 | \| | | 5.8 | | |
| 33 | -/1 | SPACE | | 0 | | 34 | -/1 | SPACE | | 0 | |
| 35 | -/1 | SPACE | | | 0 | 36 | -/1 | SPACE | | | 0 |
| 37 | -/1 | SPACE | 0 | | | 38 | -/1 | SPACE | 0 | | |
| 39 | -/1 | SPACE | | 0 | | 40 | -/1 | SPACE | | 0 | |
| 41 | -/1 | SPACE | | | 0 | 42 | -/1 | SPACE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 10.4 | 4.32 | 6.98 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 89.8 | 36.3 | 64.5 |

| | CONN KVA | CALC KVA | | | CONN KVA | CALC KVA | |
|---|---|---|---|---|---|---|---|
| LIGHTING | 0.18 | 0.225 | (125%) | CONTINUOUS | 0 | 0 | (125%) |
| LARGEST MOTOR | 0.8 | 1 | (125%) | HEATING | 0 | 0 | (N/A) |
| OTHER MOTORS | 0.9 | 0.9 | (100%) | COOLING | 0 | 0 | (N/A) |
| RECEPTACLES | 3.42 | 3.42 | (50%>10) | NONCONTINUOUS | 3 | 3 | (100%) |
| KITCHEN EQUIP | 13.4 | 13.4 | (100%) | DIVERSE | 0 | 0 | (N/A) |
| | | | | METERED DEMAND | 0 | 0 | (125%) |
| | | | | TOTAL KVA | 21.7 | 21.9 | |
| | | | | BALANCED 3-PHASE AMPS | | 60.9 | |

ALL BREAKERS AARE EXISTING UNO (*) PROVIDE GFCI BREAKER INDICATED (#) PROVIDE BREAKER INDICATED




1 E2-211 SCHEDULE 2 - ELECTRICAL ADMIN LEVEL - POWER PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"
0 2 4 8 16

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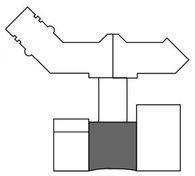
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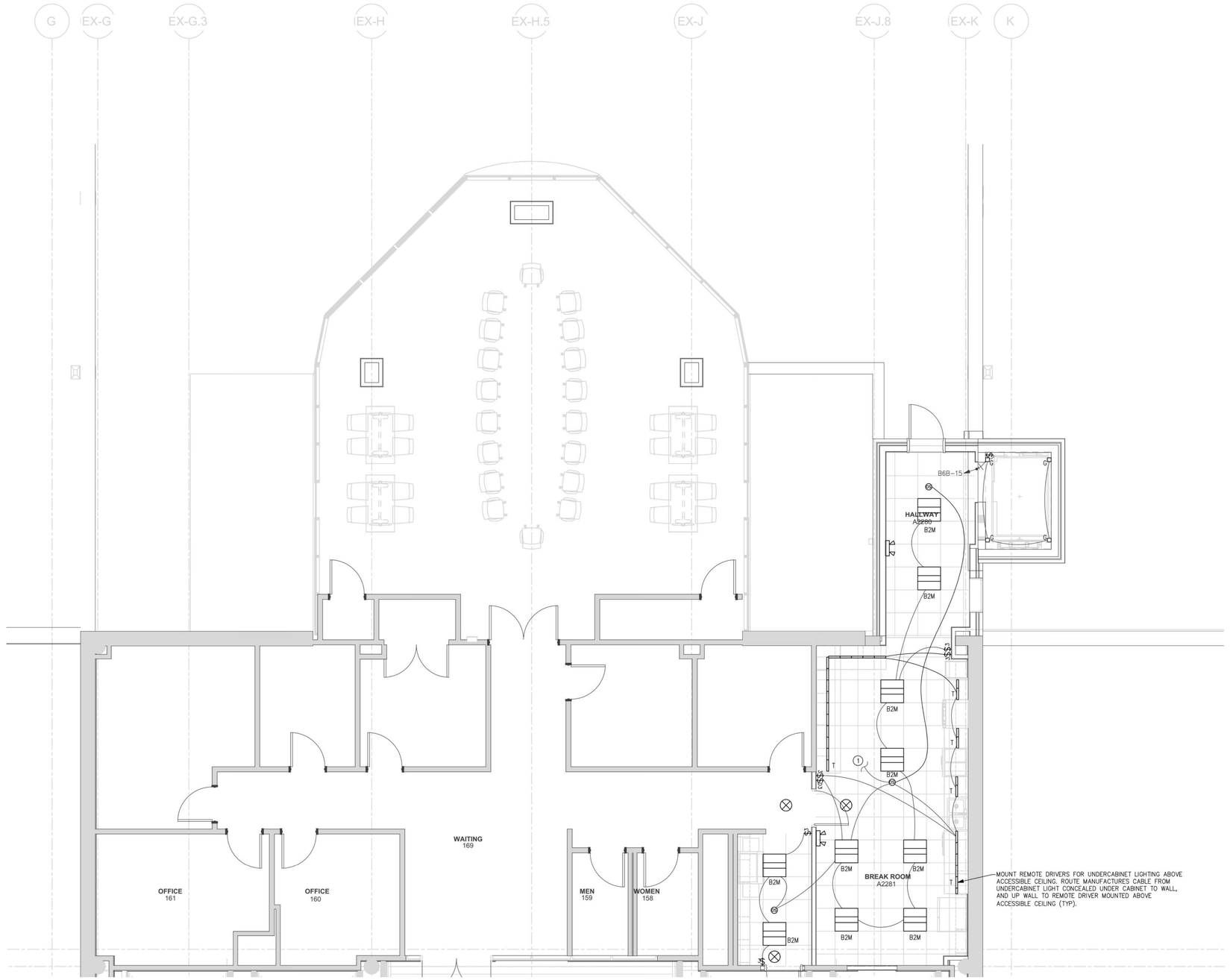
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PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL ADMIN LEVEL POWER PLAN

SHEET NUMBER
E2-211

KEYED NOTES:

1. CIRCUIT LIGHTS TO LIGHTING CIRCUIT PREVIOUSLY SERVING AREA. FIELD INVESTIGATE EXISTING CIRCUIT AND INDICATE ON AS-BUILT MARKUPS.




1 E2-222 SCHEDULE 2 – ELECTRICAL ADMIN LEVEL – POWER PLAN
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE: 1/4"=1'-0"
0 1 2 4 8

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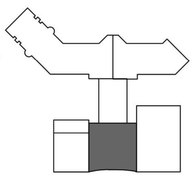
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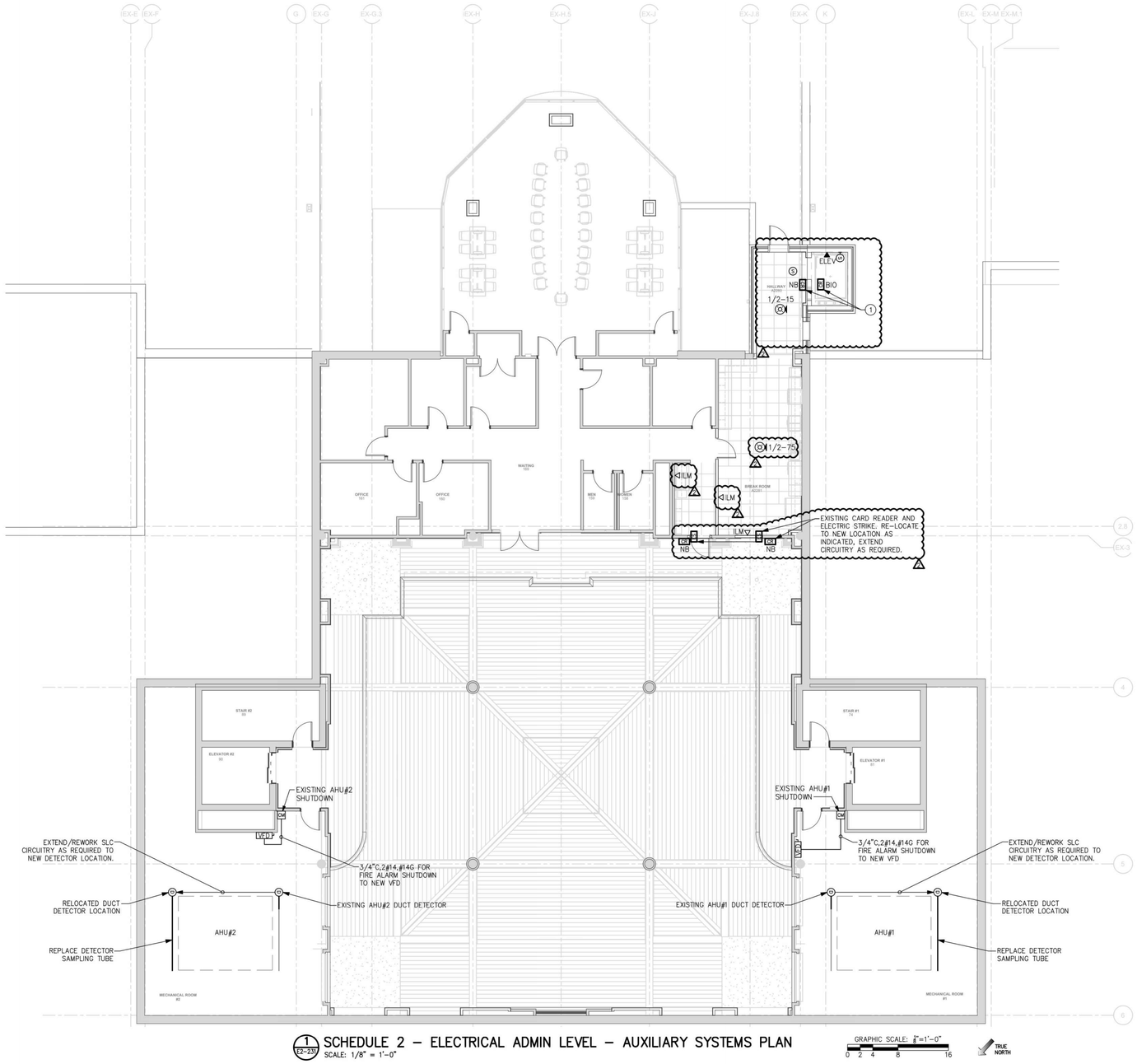
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PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL ADMIN LEVEL LIGHTING PLAN

SHEET NUMBER
E2-222

KEYED NOTES:

1. INTERFACE ACCESS CONTROL SYSTEM WITH ELEVATOR DOOR CONTROL.




1 E2-231 SCHEDULE 2 – ELECTRICAL ADMIN LEVEL – AUXILIARY SYSTEMS PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1"=1'-0"
0 2 4 8 16
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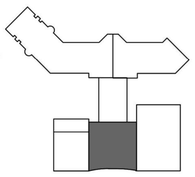
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DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

SCHEDULE 2 - ELECTRICAL ADMIN LEVEL AUXILIARY SYSTEMS PLAN

SHEET NUMBER
E2-231

# LUMINAIRE SCHEDULE

| CALLOUT | SYMBOL | DESCRIPTION | LAMP | BALLAST | VOLTS | MOUNTING | MANUFACTURER / MODEL | NOTES | CALLOUT |
|---|---|---|---|---|---|---|---|---|---|
| A2M | | 2x2 RECESSED, PRISMATIC LENS | (1) 37W LED | LED DRIVER | 277V 1P 2W | RECESSED | COLUMBIA #LJT SERIES<br>DAYBRITE #2T LED SERIES<br>METALUX #2GR LED SERIES | 3000 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. 0.156" NOMINAL LENS. DAMP LOCATION LISTED. IC-RATED. | A2M |
| A2ME | | 2x2 RECESSED, PRISMATIC LENS, BACKED UP BY EMERGENCY GENERATOR | (1) 37W LED | LED DRIVER | 277V 1P 2W | RECESSED | COLUMBIA #LJT SERIES<br>DAYBRITE #2T LED SERIES<br>METALUX #2GR LED SERIES | 3000 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. 0.156" NOMINAL LENS. DAMP LOCATION LISTED. IC-RATED. | A2ME |
| B | | RECESSED LINEAR WITH LENS | (1) 20W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PRUDENTIAL LIGHTING #P33 SERIES<br>FLUXWERX EQUIVALENT<br>PEERLESS EQUIVALENT | 1600 NOMINAL LUMENS PER 4 FT. 3000K COLOR TEMPERATURE.<br>FINISH SELECTION BY ARCHITECT. FLANGE KIT.<br>SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | B |
| B2M | | 2x2, ARCHITECTURAL LENS | (1) 20W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | METALUX #2ZEN SERIES<br>DAYO LITE PRE-APPROVED EQUIVALENT<br>HUBBELL PRE-APPROVED EQUIVALENT | 2500 NOMINAL LUMENS. 3000K COLOR TEMPERATURE. | B2M |
| G | | 4" GASKETED LED, VERTICALLY MOUNTED | (1) 40W LED | LED DRIVER | 120V 1P 2W | WALL; 8'-0" AFF | PARAMOUNT #CO SERIES<br>PHILIPS EQUIVALENT<br>FAILSAFE #VSL2 SERIES | 4000 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. STAINLESS STEEL MOUNTING HARDWARE & LENS CLAMPS. VERTICALLY MOUNTED. COORDINATE LOCATION WITH ELEVATOR INSTALLER / VENDOR. | G |
| GS | | 4" GASKETED INDUSTRIAL | (1) 47W LED | LED DRIVER | 277V 1P 2W | PENDANT, BOTTOM OF CATWALK | COLUMBIA #LXEM SERIES<br>DAYBRITE #DWAE SERIES<br>METALUX #4VT SERIES | 5500 NOMINAL LUMENS, 5000K COLOR TEMPERATURE, FROSTED LENS, STAINLESS STEEL LATCHES. | GS |
| GT | | 8" GASKETED INDUSTRIAL | (1) 135W LED | LED DRIVER | 277V 1P 2W | PENDANT, 12' AFG UNO | COLUMBIA #LXES SERIES<br>DAYBRITE #DWAE SERIES<br>METALUX #4VT SERIES | 14000 NOMINAL LUMENS, 5000K COLOR TEMPERATURE, FROSTED LENS, STAINLESS STEEL LATCHES. | GT |
| GTE | | 8" GASKETED INDUSTRIAL, BACKED UP BY EMERGENCY GENERATOR | (1) 135W LED | LED DRIVER | 277V 1P 2W | PENDANT, 12' AFG UNO | COLUMBIA #LXES SERIES<br>DAYBRITE #DWAE SERIES<br>METALUX #4VT SERIES | 14000 NOMINAL LUMENS, 5000K COLOR TEMPERATURE, FROSTED LENS, STAINLESS STEEL LATCHES. | GTE |
| HA | | RECESSED LINEAR | (1) 24W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PRUDENTIAL LIGHTING #STR-LED3-LO-R-XX-D1-SC-UNV-XX-DM01<br>FLUXWERX EQUIVALENT<br>PEERLESS EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HA |
| HAE | | RECESSED LINEAR, BACKED UP BY EMERGENCY GENERATOR | (1) 24W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PRUDENTIAL LIGHTING #STR-LED3-LO-R-XX-D1-SC-UNV-XX-DM01<br>FLUXWERX EQUIVALENT<br>PEERLESS EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HAE |
| HB | | TRIMLESS 3" RECESSED CAN | (1) 18W LED | LED DIMMABLE DRIVER | 277V 1P 2W | CEILING | USAI LIGHTING #Z3RDL-C-18CS1-6022KS-50-S-XX-NC1-UNV-D2<br>EDISON PRICE EQUIVALENT<br>FOCAL POINT EQUIVALENT | SEE NOTE 1. | HB |
| HBE | | TRIMLESS 3" RECESSED CAN, BACKED UP BY EMERGENCY GENERATOR | (1) 18W LED | LED DIMMABLE DRIVER | 277V 1P 2W | CEILING | USAI LIGHTING #Z3RDL-C-18CS1-6022KS-50-S-XX-NC1-UNV-D2<br>EDISON PRICE EQUIVALENT<br>FOCAL POINT EQUIVALENT | SEE NOTE 1. | HBE |
| HC | | 4" ACCENT DOWNLIGHT ON SLOPED CEILING | (1) 20W LED | LED DRIVER | 277V 1P 2W | RECESSED | USAI LIGHTING #LNMT-1-XX-10-8420-30K5-25-XX-XX-DM4<br>EDISON PRICE PRE-APPROVED EQUIVALENT<br>FOCAL POINT PRE-APPROVED EQUIVALENT | SEE NOTE 1. | HC |
| HE | | 14" ROUND PENDANT | (1) 456W LED | LED DIMMABLE DRIVER | 277V 1P 2W | PENDANT | IWCUS LIGHTING #CCCD-B3514-0450<br>PRE-APPROVED EQUIVALENT<br>PRE-APPROVED EQUIVALENT | 1150 NOMINAL LUMENS/FT. 3000K COLOR TEMPERATURE. SUSPENDED FLUSH WITH BOTTOM OF COVE OPENING. CONTRACTOR TO LOCATE REMOTE DRIVER IN ADJACENT ACCESSIBLE CEILING SPACE. INDICATE REMOTE DRIVER LOCATION ON AS-BUILT MARKUPS. SEE NOTE 1. | HE |
| HF | | COVE LIGHT | (1) 360W | ELECTRONIC | 277V 1P 2W | COVE | VODE #707-Z1-SL-C-0-RP-DMX-0-Z-MOD-FOR-RGBW-A2-0-AL<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. PROVIDE CORNER CONNECTORS AS REQUIRED. SEE NOTE 1. | HF |
| HG | | CURVABLE COVE LIGHT | (1) 384W LED | LED DRIVER | 277V 1P 2W | COVE | VODE #707-Z1-SL-24-C-0-RP-DMX-0-Z-MOD-FOR-RGBW-A2-0-AL<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HG |
| HG2 | | CURVABLE COVE LIGHT | (1) 782W LED | LED DRIVER | 277V 1P 2W | COVE | VODE #707-Z1-SL-24-C-0-RP-DMX-0-Z-MOD-FOR-RGBW-A2-0-AL<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HG2 |
| HG3 | | CURVABLE COVE LIGHT | (1) 1260W LED | LED DRIVER | 277V 1P 2W | COVE | VODE #707-Z1-SL-24-C-0-RP-DMX-0-Z-MOD-FOR-RGBW-A2-0-AL<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HG3 |
| HH | | 2x2, ARCHITECTURAL LENS | (1) 20W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | METALUX #2ZEN-LD2-25-UNV-L830-CD1-U<br>DAYO LITE PRE-APPROVED EQUIVALENT<br>HUBBELL PRE-APPROVED EQUIVALENT | SEE NOTE 1. | HH |
| HH2 | | 2x2, ARCHITECTURAL LENS, HIGH OUTPUT | (1) 80W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | FOCAL POINT #FEZ-22-AC-7000LH-30K-1C-UNV-LD1-ST-XX<br>DAYO LITE PRE-APPROVED EQUIVALENT<br>HUBBELL PRE-APPROVED EQUIVALENT | SEE NOTE 1. | HH2 |
| HH2E | | 2x2, ARCHITECTURAL LENS, HIGH OUTPUT, BACKED UP BY EMERGENCY GENERATOR | (1) 80W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | FOCAL POINT #FEZ-22-AC-7000LH-30K-1C-UNV-LD1-ST-XX<br>DAYO LITE PRE-APPROVED EQUIVALENT<br>HUBBELL PRE-APPROVED EQUIVALENT | SEE NOTE 1. | HH2E |
| HHE | | 2x2, ARCHITECTURAL LENS, BACKED UP BY EMERGENCY GENERATOR | (1) 20W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | METALUX #2ZEN-LD2-25-UNV-L830-CD1-U<br>DAYO LITE PRE-APPROVED EQUIVALENT<br>HUBBELL PRE-APPROVED EQUIVALENT | SEE NOTE 1. | HHE |
| HJ | | LINEAR SURFACE, BACKED UP BY EMERGENCY GENERATOR | (1) 75W LED | LED DIMMABLE DRIVER | 277V 1P 2W | BOTTOM OF TRUSS | VODE LIGHTING #107-BX-01-XX-72-CC-ZZ-XX-XX-2-0-Z-HO-30-1 | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HJ |
| HK | | LINEAR UPLIGHT GRAZE ON CLERESTORY | (1) 108W LED | LED DRIVER | 277V 1P 2W | CEILING | JUNO #10414-20X450-SFT-3000K-80CRI-DLDPS-40W<br>PRE-APPROVED EQUIVALENT<br>PRE-APPROVED EQUIVALENT | REMOTE LED DRIVER. CONTRACTOR TO INDICATE ON AS-BUILTS MARKUPS LOCATION OF LED REMOVE LED DRIVER. SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HK |
| HL | | LINEAR BLUE UPLIGHT ON TRUSSES | (1) 75W LED | LED DIMMABLE DRIVER | 277V 1P 2W | TOP SIDE OF BOTTOM CORD OF TRUSS | PROLUMELED #CHR-50-BLUE-470-NM-C90-SC<br>PRE-APPROVED EQUIVALENT<br>PRE-APPROVED EQUIVALENT | REMOTE LED DRIVER. CONTRACTOR TO INDICATE ON AS-BUILTS MARKUPS LOCATION OF LED REMOVE LED DRIVER. SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HL |
| HM | | COUNTER MILLWORK LED STRIP | (1) 50W LED | LED DIMMABLE DRIVER | 277V 1P 2W | MILLWORK | VODE #707-Z1-SL-C-0-RP-DMX-0-Z-MOD-FOR-RGBW-S3-WH-0<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | REFER TO ARCHITECTURAL MILLWORK DRAWINGS FOR DETAILS. | HM |
| HN | | COVE LIGHT | (1) 203W | LED DIMMABLE DRIVER | 277V 1P 2W | CEILING | VODE #707-Z1-SL-24-C-0-RP---AE-0-Z-SO-309-A2-0-AL<br>LED LINEAR PRE-APPROVED EQUIVALENT<br>SYLVANIA PRE-APPROVED EQUIVALENT | SEE PLAN FOR OVERALL LENGTH. SEE NOTE 1. | HN |
| HP | | TRACK HEAD | (1) 19W LED | LED DRIVER | 120V 1P 2W | TRACK | JUNO #T209L-X-G2-30K-90CRI-PDIM-NFL-XX<br>CON-TECH LIGHTING EQUIVALENT<br>WAC LIGHTING EQUIVALENT | FINISH SELECTION BY ARCHITECT. DISTRIBUTION AND OUTPUT TO BE CONFIRMED WHEN ART WORK IS SELECTED. SEE NOTE 1. | HP |
| HPT | | TRACK | (1) 500W LED | DIMMING | 120V 1P 2W | CEILING | JUNO #TDX4/HTDX4<br>CON-TECH LIGHTING EQUIVALENT<br>WAC LIGHTING EQUIVALENT | PROVIDE 3A CURRENT LIMITER. SEE NOTE 1. | HPT |
| HQ1 | | 16" SQUARE PENDANT | (1) 640W LED | LED DIMMABLE DRIVER | 277V 1P 2W | CUPOLA | IWCTUS LIGHTING #CCSD-B3516-1680<br>MANNING PRE-APPROVED EQUIVALENT<br>BO-MAR INDUSTRIES PRE-APPROVED EQUIVALENT | 1000 LUMENS/FT. 3000K COLOR TEMPERATURE. 80 CRI. BRUSHED METAL FINISH. REMOTE LED DRIVER. CONTRACTOR TO INDICATE ON AS-BUILTS MARKUPS LOCATION OF LED REMOVE LED DRIVER. COORDINATE MOUNTING HEIGHT AND ORIENTATION WITH ARCHITECT. SEE NOTE 1. | HQ1 |
| HR | | WALL SCONCE | (1) 10W LED | LED DIMMABLE DRIVER | 277V 1P 2W | WALL; COORDINATE MTG HEIGHT WITH ARCHITECT | LOUIS POULSEN #AJ EKLIPTA SERIES<br>PRE-APPROVED EQUIVALENT<br>PRE-APPROVED EQUIVALENT | 3000K COLOR TEMPERATURE. SEE NOTE 1. | HR |
| I2 | | 4' INDUSTRIAL | (1) 30W LED | LED DRIVER | 277V 1P 2W | PENDANT/SURFACE | COLUMBIA #LCL SERIES<br>DAYBRITE #FSS SERIES<br>METALUX #SNLED SERIES | 3700 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. WIRE GUARD. | I2 |
| I2E | | 4' INDUSTRIAL, BACKED UP BY EMERGENCY GENERATOR | (1) 30W LED | LED DRIVER | 277V 1P 2W | PENDANT/SURFACE | COLUMBIA #LCL SERIES<br>DAYBRITE #FSS SERIES<br>METALUX #SNLED SERIES | 3700 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. WIRE GUARD. | I2E |
| I3 | | 4' INDUSTRIAL | (1) 40W LED | LED DRIVER | 277V 1P 2W | PENDANT/SURFACE | COLUMBIA #LCL SERIES<br>DAYBRITE #FSS SERIES<br>METALUX #SNLED SERIES | 5300 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. WIRE GUARD. | I3 |
| I3E | | 4' INDUSTRIAL, BACKED UP BY EMERGENCY GENERATOR | (1) 40W LED | LED DRIVER | 277V 1P 2W | PENDANT/SURFACE | COLUMBIA #LCL SERIES<br>DAYBRITE #FSS SERIES<br>METALUX #SNLED SERIES | 5300 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. WIRE GUARD. | I3G |
| JEL | | JELLY JAR | (1) 18W LED | LED DRIVER | 120V 1P 2W | MTD UNDER BHS EQUIPMENT TRACK | HUBBELL #WH SERIES<br>BOCK #WBLG215 SERIES<br>CROUSE-HINDS #CVLED SERIES | 3/4" CONDUIT HUB; SILVER GRAY FINISH; CLEAR GLASS GLOBE; DIE CAST GUARD. COORDINATE EXACT LOCATION WITH BHS EQUIPMENT VENDOR. INTENDED LOCATION IS NEAR BHS MAINTENANCE HATCH. | JEL |
| K1 | | 1x1, ARCHITECTURAL LENS | (1) 22W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PINNACLE LIGHTING #CJ11-A SERIES<br>PRE-APPROVED EQUIVALENT<br>AXIS LIGHTING #DALED SERIES | 1600 NOMINAL LUMENS. 3000K COLOR TEMPERATURE. | K1 |
| K1E | | 1x1, ARCHITECTURAL LENS, BACKED UP BY EMERGENCY GENERATOR | (1) 22W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PINNACLE LIGHTING #CJ11-A SERIES<br>PRE-APPROVED EQUIVALENT<br>AXIS LIGHTING #DALED SERIES | 1600 NOMINAL LUMENS. 3000K COLOR TEMPERATURE. | K1E |
| R6 | | 6" RECESSED CAN | (1) 18W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | PRESCOLITE #LFRLED SERIES<br>LIGHTOLIER #LSR SERIES<br>PORTFOLIO #LUNA SERIES | 1500 NOMINAL LUMENS. 3000K COLOR TEMPERATURE. SELF-FLANGED LENSED REFLECTOR TRIM; LOW IRIDESCENT CLEAR FINISH. | R6 |
| RR | | 8" RECESSED CAN | (1) 17W LED | LED DIMMABLE DRIVER | 277V 1P 2W | RECESSED | HOUSING DESIGN BASIS: INTENSE #SSRD40RR SERIES<br>RETROFIT MOUNT DESIGN BASIS: INTENSE #SS-EZR SERIES<br>PRE-APPROVED EQUIVALENT<br>PRE-APPROVED EQUIVALENT | 1500 NOMINAL LUMENS. 3000K COLOR TEMPERATURE. SELF-FLANGED LENSED REFLECTOR TRIM; LOW IRIDESCENT CLEAR FINISH. REMOVE EXISTING RECESSED CAN AND REPLACE WITH INDICATED RETROFIT RECESSED CAN. | RR |
| S | | APRON LIGHT | (1) 558W LED | LED DRIVER | 277V 1P 2W | POLE; 60'; 5' CONCRETE BASE | McGRAW-EDISON #GLEON-AF-10-LED-E1-T4FT<br>BEACON #MA/A-96L-555-4K-4<br>PRE-APPROVED EQUIVALENT | 65,000 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. TYPE IV FORWARD THROW OPTICS. FINISH SELECTION BY ARCHITECT. SLIPFITTER MOUNT ON BULLHORN BRACKET. BIRD GUARD MESH TOP. TOOL-LESS HARDWARE. APRON LIGHTING LOCATED AT TOP OF BULLHORN BRACKET.<br>COORDINATE CONCRETE BASE WITH STRUCTURAL ENGINEER. | S |
| T | | LED STRIP LIGHT | (1) 5W LED | REMOTE LED DRIVER | 277V 1P 2W | CEILING | ACOLYTE #RB SERIES<br>KELVIX #SL SERIES<br>TIVOLI #TPLD SERIES | 2.5W/LINEAR FOOT. 3500K COLOR TEMPERATURE. MOUNTED TO UNDERSIDE OF UPPER CABINETRY. COORDINATE MOUNTING WITH ARCHITECT; COORDINATE RUN LENGTHS WITH INSTALLED CABINETRY; PROVIDE LOW PROFILE ALUMINUM LED STRIP CHANNEL WITH FROSTED LENS. MOUNT REMOTE DRIVERS ABOVE ACCESSIBLE CEILING. LABEL CEILING GRID BELOW DRIVER "CABINET LIGHT DRIVER ABOVE". | T |
| W | | HALF CYLINDER WALL PACK | (1) 40W LED | LED DRIVER | 277V 1P 2W | WALL | DECO LIGHTING #D440 SERIES<br>GARDCO #D4L SERIES<br>RAYON #T850L SERIES | 3800 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. TYPE IV DISTRIBUTION. DOWNLIGHT ONLY. FINISH SELECTION BY ARCHITECT. | W |
| WE | | HALF CYLINDER WALL PACK, BACKED UP BY EMERGENCY GENERATOR | (1) 20W LED<br>(1) 20W LED | LED DRIVER<br>LED DRIVER | 277V 1P 2W | WALL; MTD 9'-0" AFG | DECO LIGHTING #D440 SERIES<br>GARDCO #D4L SERIES<br>RAYON #T850L SERIES | 3800 NOMINAL LUMENS. 4000K COLOR TEMPERATURE. TYPE IV DISTRIBUTION. DUAL LED DRIVERS AND DUAL LED ARRAYS FOR EGRESS REQUIREMENTS. DOWNLIGHT ONLY. FINISH SELECTION BY ARCHITECT. | WE |
| X | | EXIT SIGN | (2) 1W LED | ELECTRONIC | 277V 1P 2W | UNIVERSAL | DUAL-LITE #EVE SERIES<br>LIGHTALARMS #URAN SERIES<br>PATHWAY #XR SERIES | CONNECT TO NEAREST UNSWITCHED GENERATOR LIGHT CIRCUIT IN SAME SPACE. THESE FIXTURES ARE NOT TAGGED WITH "X" ON THE DRAWINGS; ONLY THE SYMBOL IS USED. | X |

NOTES:
1. LIGHT FIXTURE SELECTION WAS DESIGNED BY HARTRANFT LIGHTING DESIGN. INCLUSION HERE IS NOT INTENDED TO REPRESENT THAT THE FIXTURE SELECTION IS THE WORK PRODUCT OF CHEATHAM & ASSOCIATES, PA.
2. REFER TO E1-152 FOR LUMINAIRE SCHEDULE FOR LIGHT FIXTURE TYPES HQ1, HQ2, HQ3.
3. REFER TO E2-151 FOR LUMINAIRE SCHEDULE FOR LIGHT FIXTURE TYPES 2A, 2AE.

ALL ELECTRICAL WORK FOR THE HOLDROOM RENOVATION SHALL BE PHASED AND COORDINATED WITH THE ARCHITECTURAL PHASING PLANS.

NOTES:
1. LIGHTING FIXTURE SELECTION, LAYOUT, AND DIMMER SCHEDULE WERE DESIGNED BY HARTRANFT LIGHTING DESIGN. INCLUSION HERE IS NOT INTENDED TO REPRESENT THAT THE FIXTURE SELECTION, LAYOUT, AND DIMMER SCHEDULE IS THE WORK PRODUCT OF CHEATHAM & ASSOCIATES, PA.

| HARTRANFT LIGHTING DESIGN | | | | | | | | Revisions: |
|---|---|---|---|---|---|---|---|---|
| PROJECT: | WILMINGTON TERMINAL EXPANSION CONTRACT 3<br>(NOTE: CONTINUED FROM THE CONTROL SY STEM FOR CONTRACT 2. SY STEM TO BE EXPANDED) | | PROJECT # | | | | | #1 - 6/19/2019<br>#2 - 7/26/2019 |
| ZONE | | | REVISION: | | | | | |
| ZONE. NO | FIXTURE | DESCRIPTION | WATTS | UNITS. | QTY. | CONTROL & LOAD TYPE | CONTROL TYPE | TOTAL |
| **FRONT OF HOUSE (BAGGAGE CLAIM)** | | | | | | | | |
| **9A, 9B** | HB | TUNABLE WHITE DOWNLIGHT | 18 | EACH | 8 | 0-10V, 2 Channel per zone | TIMECLOCK AND PHOTOSENSOR | 144.0 |
| **10A, 10B** | HB | TUNABLE WHITE DOWNLIGHT | 18 | EACH | 52 | 0-10V, 2 Channel per zone | TIMECLOCK | 936.0 |
| **11** | HC | ACCENT DOWNLIGHTS ON SLOPED CEILING | 20 | EACH | 8 | 0-10V | TIMECLOCK | 160.0 |
| **12A, 12B** | HA | LO SLOT FIXTURE | 6 | LFT | 742 | 0-10V | TIMECLOCK | 4452.0 |
| **13** | HN | CURVABLE FOR EXISTING COVE | 6.6 | LFT | 138 | 0-10V | TIMECLOCK | 910.8 |
| **14** | HE | CUSTOM RING FIXTURES | 456 | EACH | 3 | 0-10V | TIMECLOCK | 1368.0 |
| **SECURITY CHECKPOINT** | | | | | | | | |
| **15** | HH2 | LED HO 2X2 | 79 | EACH | 12 | 0-10V | TIMECLOCK | 948.0 |
| **16** | HH | LED LO 2X2 | 20 | EACH | 18 | 0-10V | TIMECLOCK | 360.0 |
| **17** | HH2 | LED HO 2X2 | 79 | EACH | 15 | 0-10V | TIMECLOCK | 1185.0 |
| **18** | HA | LO SLOT FIXTURE | 6 | LFT | 162 | 0-10V | TIMECLOCK | 972.0 |
| **CONCOURSE EXIT** | | | | | | | | |
| **19A, 19B** | HA | LO SLOT FIXTURE | 6 | LFT | 314 | 0-10V | TIMECLOCK | 1884.0 |
| **GATE AREA** | | | | | | | | |
| **20A, 20B, 20C, 20D** | HA | LO SLOT FIXTURE | 6 | LFT | 1110 | 0-10V | TIMECLOCK | 6660.0 |
| **21** | HR | SCONCE IN CONCOURSE AREA | 10 | EACH | 40 | 0-10V | TIMECLOCK | 400.0 |
| **22** | HI | 4" SQUARE DOWNLIGHT | 24 | EACH | 18 | 0-10V | TIMECLOCK | 432.0 |
| **CLERESTORY** | | | | | | | | |
| **23A, 23B** | HK | LINEAR UPLIGHT GRAZE ON CLERESTORY | 4.8 | LFT | 420 | 0-10V | TIMECLOCK | 2016.0 |
| **24A, 24B** | HJ | SURFACE MOUNTED LINEAR | 12.5 | LFT | 156 | 0-10V | TIMECLOCK | 1950.0 |
| **25** | HP | TRACK LIGHTING FOR ARTWORK | 19 | EACH | 20 | 0-10V | TIMECLOCK | 380.0 |
| **26A, 26B** | HL | BLUE LINEAR UPLIGHT ON TRUSSES | 5.76 | LFT | 496 | 0-10V | TIMECLOCK | 2857.0 |
| **CUPOLA** | | | | | | | | |
| **27** | HL | BLUE LINEAR UPLIGHT ON TRUSSES | 5.76 | LFT | 88 | 0-10V | TIMECLOCK | 506.9 |
| **28** | HJ | SURFACE MOUNTED LINEAR | 12.5 | LFT | 104 | 0-10V | TIMECLOCK | 1300.0 |
| **29** | HQ1 | 16 FT SQUARE PENDANT | 1 | EACH | 500 | | TIMECLOCK | 500.0 |
| **30** | HQ2 | 14 FT SQUARE PENDANT | 1 | EACH | 500 | | TIMECLOCK | 500.0 |
| **31** | HQ3 | 12 FT SQUARE PENDANT | 1 | EACH | 500 | | TIMECLOCK | 500.0 |
| **DMX** | | | | | | | | |
| **CHANNELS 25 - 36** | HF | RGBW EXTRUSION IN RECTANGULAR COVE | 8 | LFT | 214.0 | DMX | IPLAYER LINKED WITH TIME CLOCK | 1712.0 |
| **CHANNELS 37 - 40** | HG | RGW CURVED COVE | 8 | LFT | 95.0 | DMX | IPLAYER LINKED WITH TIME CLOCK | 760.0 |
| **CHANNELS 41 - 44** | HG | RGW CURVED COVE | 8 | LFT | 95.5 | DMX | IPLAYER LINKED WITH TIME CLOCK | 764.0 |
| **CHANNELS 45 - 48** | HG | RGW CURVED COVE | 8 | LFT | 157.8 | DMX | IPLAYER LINKED WITH TIME CLOCK | 1262.0 |
| **CHANNELS 49-52** | HM | RGBW EXTRUSION IN MILLWORK DETAIL OF GATE PODIA | 88 | LFT | 50, confirm length | DMX | IPLAYER LINKED WITH TIME CLOCK | 400 |
| **CHANNELS 53-56** | HM | RGBW EXTRUSION IN MILLWORK DETAIL OF GATE PODIA | 8 | LFT | 50, confirm length | DMX | IPLAYER LINKED WITH TIME CLOCK | 400 |
| **CHANNELS 57-60** | HM | RGBW EXTRUSION IN MILLWORK DETAIL OF BAGGAGE CLAIM KIOSK | 8 | LFT | 50, confirm length | DMX | IPLAYER LINKED WITH TIME CLOCK | 400 |
| **CHANNELS 61-64** | HM | RGBW EXTRUSION IN MILLWORK DETAIL OF RENTAL CAR PODIA | 8 | LFT | 50, confirm length | DMX | IPLAYER LINKED WITH TIME CLOCK | 400 |

**LIGHTING CONTROL PANEL/KEYPAD - CRESTON, ETC, OR EQUAL AND COLOR KINETICS IPLAYER3. DIMMING CONTROLS SHALL LINK TO BIULDING MANAGEMENT SYSTEM AND SHALL BE BACNET COMPATIBLE IF NECESSARY.**

FINAL DIMMER LOADS MUST BE CONFIRMED BY ELECTRICAL ENGINEER.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| CHANNEL 65 | J | 7 FT RING FIXTURE | 260 | EACH | 1 | 0-10V | TIMECLOCK | 260 |

**LIGHTING RELAY / SWITCHING SCHEDULE**

| | PANEL | LC | | | |
|---|---|---|---|---|---|
| CIRCUIT | SWITCHED ZONE | AREA / DESCRIPTION | SWITCHED OUTPUTS | NOTES |
| L-1 | 1 | RAMP LEVEL | YES | PHOTOCELL CONTROL |
| L-5 | 2 | STAIR 7 A1107, CORRIDOR A1109, VEST A1115, STOR A1132 | YES | SCHEDULED ON/OFF |
| L-8 | 3 | STAIR 7 A1207 | YES | SCHEDULED ON/OFF |
| L-9 | 4 | APRON LIGHTING | YES | PHOTOCELL CONTROL |
| L-11 | 5 | APRON LIGHTING | YES | PHOTOCELL CONTROL |
| L-12 | 6 | STAIR A1208 | YES | SCHEDULED ON/OFF |
| L-13 | 7 | APRON LIGHTING | YES | PHOTOCELL CONTROL |
| L-15 | 8 | RAMP LEVEL | YES | PHOTOCELL CONTROL |
| L-19 | 9 | FUTURE 1231 | YES | SCHEDULED ON/OFF |
| L-21 | 10 | FUTURE A1210 | YES | SCHEDULED ON/OFF |
| L-23 | 11 | STORAGE A2131 | YES | SCHEDULED ON/OFF |
| L-31 | 12 | AIRLINE A1120 | YES | SCHEDULED ON/OFF |
| G2-1 | 13 | RAMP LEVEL | YES | PHOTOCELL CONTROL |
| G2-5 | 14 | RAMP LEVEL | YES | PHOTOCELL CONTROL |
| | 15 | SPARE RELAY | | |
| | 16 | SPARE RELAY | | |
| | 17 | SPARE RELAY | | |
| | 18 | SPARE RELAY | | |
| | 19 | SPARE RELAY | | |
| | 20 | SPARE RELAY | | |
| | 21 | SPARE RELAY | | |
| | 22 | SPARE RELAY | | |
| | 23 | SPARE RELAY | | |
| | 24 | SPARE RELAY | | |

* ALL CIRCUITS SWITCHED ON BY MASTER SWITCH
** ALL CIRCUITS SWITCHED ON BY FIRE ALARM ACTIVATION


ILM
TERMINAL IMPROVEMENTS CONTRACT 4
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JOB # 19005

NOT A CERTIFIED DOCUMENT
This document was originally digitally signed by Mark A. Ciarrocca on NC PE #17593. This document shall not be considered a certified document.

NORTH CAROLINA PROFESSIONAL SEAL 17593 ENGINEER MARK A. CIARROCCA

Digitally signed by Mark A. Ciarrocca
Date: 2024.03.28 11:51:12-04'00'


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REVISIONS

| | |
|---|---|
| 1 BD-37 | 10/29/2021 |
| 2 BD-38 | 01/10/2022 |
| 3 BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

ELECTRICAL LUMINAIRE, DIMMER, AND RELAY SCHEDULE

SHEET NUMBER
E-601

## P1

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: MLO
FED FROM: DP1 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | REC | 0.54 | | | 2 | 20/1 | REC | 0.54 | | |
| 3 | 20/1 | REC | | 0.54 | | 4 | 20/1 | REC | | 0.36 | |
| 5 | 20/1 | REC-BACK DISPLAY | | | 0.4 | 6 | 20/1 | REC | | | 0.72 |
| 7 | 20/1 | REC | 0.18 | | | 8 | 20/1 | REC | 0.9 | | |
| 9 | 20/1 | REC-BACK DISPLAY | | 0.4 | | 10 | 20/1 | REC-BACK DISPLAY | | 0.4 | |
| 11 | 20/1 | REC | | | 0.54 | 12 | 20/1 | REC | | | 0.36 |
| 13 | 20/1 | REC | 0.9 | | | 14 | 20/1 | REC | 0.36 | | |
| 15 | 20/1 | REC | | 0.54 | | 16 | 20/1 | REC | | 0.9 | |
| 17 | 20/1 | REC | | | 0.36 | 18 | 20/1 | REC | | | 0.36 |
| 19 | 20/1 | (*) REC-EWC | 0.6 | | | 20 | 20/1 | REC | 0.36 | | |
| 21 | 20/1 | CIRC. PUMP, EXH FAN | | 0.25 | | 22 | 20/1 | REC | | 0.72 | |
| 23 | 20/1 | REC | | | 1.08 | 24 | 20/1 | REC | | | 1.26 |
| 25 | 20/1 | REC | 0.72 | | | 26 | 20/1 | REC | 1.08 | | |
| 27 | 20/1 | REC | | 0.18 | | 28 | 20/1 | REC | | 1.08 | |
| 29 | 20/1 | REC | | | 0.54 | 30 | 20/1 | DDC J-BOX | | | 0.45 |
| 31 | 20/1 | LED MIRROR | 0.5 | | | 32 | 20/1 | DDC J-BOX | 0.6 | | |
| 33 | 20/1 | LED MIRROR | | 0.5 | | 34 | 20/1 | REC-FID | | 0.8 | |
| 35 | 20/1 | DDC J-BOX | | | 0.3 | 36 | 20/1 | REC | | | 0.54 |
| 37 | 20/1 | REC | 0.9 | | | 38 | 20/1 | REC | 0.54 | | |
| 39 | 20/1 | REC | | 0.54 | | 40 | 20/1 | REC-TV | | 1.2 | |
| 41 | 20/1 | REC | | | 0.72 | 42 | 20/1 | REC-TV | | | 0.8 |
| 43 | 20/1 | REC | 0.54 | | | 44 | 20/1 | REC-TV | 0.8 | | |
| 45 | 20/1 | REC | | 0.54 | | 46 | 20/1 | SPARE | | 0 | |
| 47 | 20/1 | REC | | | 0.54 | 48 | 20/1 | SPARE | | | 0 |
| 49 | 20/1 | REC | 0.54 | | | 50 | 20/1 | SPARE | 0 | | |
| 51 | 20/1 | REC | | 0.36 | | 52 | 20/1 | SPARE | | 0 | |
| 53 | 20/1 | REC | | | 0.36 | 54 | 20/1 | SPARE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 10.6 | 9.31 | 9.33 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 88.3 | 77.6 | 77.8 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 1 | 1.25 | (125%) |
| LARGEST MOTOR | 0.15 | 0.188 | (125%) |
| OTHER MOTORS | 0.1 | 0.1 | (100%) |
| RECEPTACLES | 24.8 | 17.4 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 3.15 | 3.15 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 29.2 | 22.1 | |
| BALANCED 3-PHASE AMPS | | 61.4 | |

## P2

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: MLO
FED FROM: DP1 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | SPARE | 0 | | | 2 | 20/1 | SPARE | 0 | | |
| 3 | 20/1 | SPARE | | 0 | | 4 | 20/1 | SPARE | | 0 | |
| 5 | 20/1 | SPARE | | | 0 | 6 | 20/1 | SPARE | | | 0 |
| 7 | 20/1 | SPARE | 0 | | | 8 | 20/1 | SPARE | 0 | | |
| 9 | 20/1 | SPARE | | 0 | | 10 | 20/1 | SPARE | | 0 | |
| 11 | 20/1 | SPARE | | | 0 | 12 | 20/1 | SPARE | | | 0 |
| 13 | 20/1 | SPARE | 0 | | | 14 | 20/1 | SPARE | 0 | | |
| 15 | 20/1 | SPARE | | 0 | | 16 | 20/1 | SPARE | | 0 | |
| 17 | 20/1 | SPARE | | | 0 | 18 | 20/1 | SPARE | | | 0 |
| 19 | 20/1 | SPARE | 0 | | | 20 | 20/1 | SPARE | 0 | | |
| 21 | 20/1 | SPARE | | 0 | | 22 | 20/1 | SPARE | | 0 | |
| 23 | 20/1 | SPARE | | | 0 | 24 | 20/1 | SPARE | | | 0 |
| 25 | 20/1 | SPARE | 0 | | | 26 | 20/1 | SPARE | 0 | | |
| 27 | 20/1 | SPARE | | 0 | | 28 | 20/1 | SPARE | | 0 | |
| 29 | 20/1 | SPARE | | | 0 | 30 | 20/1 | SPARE | | | 0 |
| 31 | 20/1 | SPARE | 0 | | | 32 | 20/1 | SPARE | 0 | | |
| 33 | 20/1 | SPARE | | 0 | | 34 | 20/1 | SPARE | | 0 | |
| 35 | 20/1 | SPARE | | | 0 | 36 | 20/1 | SPARE | | | 0 |
| 37 | 20/1 | SPARE | 0 | | | 38 | 20/1 | SPARE | 0 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | 20/1 | SPARE | | 0 | |
| 41 | 20/1 | SPARE | | | 0 | 42 | 20/1 | SPARE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 0 | 0 | 0 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 0 | 0 | 0 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0 | 0 | (125%) |
| LARGEST MOTOR | 0 | 0 | (N/A) |
| OTHER MOTORS | 0 | 0 | (100%) |
| RECEPTACLES | 0 | 0 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 0 | 0 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 0 | 0 | |
| BALANCED 3-PHASE AMPS | | 0 | |

## P3

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: MLO
FED FROM: DP2 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | SPARE | 0 | | | 2 | 20/1 | REC | 0.54 | | |
| 3 | 20/1 | SPARE | | 0 | | 4 | 20/1 | REC | | 0.54 | |
| 5 | 20/1 | SPARE | | | 0 | 6 | 20/1 | REC | | | 0.72 |
| 7 | 20/1 | SPARE | 0 | | | 8 | 15/1 | CIRC. PUMP | 0.1 | | |
| 9 | 20/1 | SPARE | | 0 | | 10 | 20/1 | LTG | | 0.5 | |
| 11 | 20/1 | SPARE | | | 0 | 12 | 20/1 | TRACK LTG | | | 1 |
| 13 | 20/1 | REC | 0.36 | | | 14 | 20/1 | TRACK LTG | 1 | | |
| 15 | 20/1 | ELEV. CAB LTS | | 1 | | 16 | 20/1 | REC | | 0.54 | |
| 17 | 20/1 | REC | | | 0.36 | 18 | 20/1 | REC | | | 0.54 |
| 19 | 20/1 | REC | 0.36 | | | 20 | 20/1 | REC | 0.54 | | |
| 21 | 20/1 | REC | | 0.18 | | 22 | 20/1 | REC | | 0.72 | |
| 23 | 20/1 | REC | | | 0.18 | 24 | 20/1 | REC | | | 0.72 |
| 25 | 20/1 | REC | 0.36 | | | 26 | 20/1 | REC | 0.72 | | |
| 27 | 20/1 | REC | | 0.36 | | 28 | 20/1 | LED MIRROR | | 0.5 | |
| 29 | 20/1 | REC-TV | | | 0.8 | 30 | 20/1 | LED MIRROR | | | 0.6 |
| 31 | 20/1 | OBSTRUCTION LIGHTS | 0.1 | | | 32 | 20/1 | REC | 0.18 | | |
| 33 | 20/1 | OBSTRUCTION LIGHTS | | 0.1 | | 34 | 20/1 | REC-FID | | 0.8 | |
| 35 | 20/1 | OBSTRUCTION LIGHTS | | | 0.1 | 36 | 20/1 | LTG | | | 0.5 |
| 37 | 20/1 | SPARE | 0 | | | 38 | 20/1 | LTG | 0.5 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | 20/1 | LTG | | 0.5 | |
| 41 | 20/1 | SPARE | | | 0 | 42 | 20/1 | REC | | | 0.36 |
| 43 | 20/1 | SPARE | 0 | | | 44 | 20/1 | SPARE | 0 | | |
| 45 | 20/1 | SPARE | | 0 | | 46 | 20/1 | (*) REC-EWC | | 0.6 | |
| 47 | 20/1 | SPARE | | | 0 | 48 | 20/1 | REC | | | 0.54 |
| 49 | 20/1 | SPARE | 0 | | | 50 | 100/3 | PANEL P3A | 3.04 | | |
| 51 | 15/1 | FAN F-34 | | 0.696 | | 52 | \| | | | 2.42 | |
| 53 | 20/1 | REC | | | 0.36 | 54 | \| | | | | 2.14 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 7.8 | 9.46 | 8.92 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 65 | 78.8 | 74.3 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 6.48 | 8.1 | (125%) |
| LARGEST MOTOR | 0.696 | 0.87 | (125%) |
| OTHER MOTORS | 0.1 | 0.1 | (100%) |
| RECEPTACLES | 15.1 | 12.6 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 3.8 | 3.8 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 26.2 | 25.4 | |
| BALANCED 3-PHASE AMPS | | 70.6 | |

## P3A

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 100 | MAIN BKR: MLO
FED FROM: P3 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | REC | 0.9 | | | 2 | 20/1 | REC-BACK DISPLAY | 0.8 | | |
| 3 | 20/1 | REC | | 0.72 | | 4 | 20/1 | REC-BACK DISPLAY | | 0.8 | |
| 5 | 20/1 | LTG, REC | | | 1.34 | 6 | 20/1 | REC-BACK DISPLAY | | | 0.8 |
| 7 | 20/1 | REC | 0.54 | | | 8 | 20/1 | REC-BACK DISPLAY | 0.8 | | |
| 9 | 20/1 | SPARE | | 0 | | 10 | 20/1 | REC | | 0.9 | |
| 11 | 20/1 | SPARE | | | 0 | 12 | 20/1 | SPARE | | | 0 |
| 13 | 20/1 | SPARE | 0 | | | 14 | 20/1 | SPARE | 0 | | |
| 15 | 20/1 | SPARE | | 0 | | 16 | 20/1 | SPARE | | 0 | |
| 17 | 20/1 | SPARE | | | 0 | 18 | 20/1 | SPARE | | | 0 |
| 19 | 20/1 | SPARE | 0 | | | 20 | 20/1 | SPARE | 0 | | |
| 21 | 20/1 | SPARE | | 0 | | 22 | 20/1 | SPARE | | 0 | |
| 23 | 20/1 | SPARE | | | 0 | 24 | 20/1 | SPARE | | | 0 |
| 25 | 20/1 | SPARE | 0 | | | 26 | 20/1 | SPARE | 0 | | |
| 27 | 20/1 | SPARE | | 0 | | 28 | 20/1 | SPARE | | 0 | |
| 29 | 20/1 | SPARE | | | 0 | 30 | 20/1 | SPARE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 3.04 | 2.42 | 2.14 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 25.3 | 20.2 | 17.8 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0.08 | 0.1 | (125%) |
| LARGEST MOTOR | 0 | 0 | (N/A) |
| OTHER MOTORS | 0 | 0 | (100%) |
| RECEPTACLES | 4.32 | 4.32 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 3.2 | 3.2 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 7.6 | 7.62 | |
| BALANCED 3-PHASE AMPS | | 21.2 | |

## P4

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: MLO
FED FROM: DP2 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | COILING DOOR #3 | 0.696 | | | 2 | 20/1 | FAN COIL FCU-18 | 0.1 | | |
| 3 | 20/1 | COILING DOOR #4 | | 0.696 | | 4 | 20/1 | POTABLE WATER #1 | | 1.2 | |
| 5 | 20/1 | COILING DOOR #5 | | | 0.696 | 6 | 20/1 | POTABLE WATER #2 △ | | | 1.2 |
| 7 | 20/1 | COILING DOOR | 0.696 | | | 8 | 20/1 | REC | 1.08 | | |
| 9 | 20/1 | REC | | 0.9 | | 10 | 20/1 | REC | | 1.08 | |
| 11 | 20/1 | REC | | | 0.9 | 12 | 20/1 | (**) REC-REFRIGERATOR | | | 0.5 |
| 13 | 20/1 | REC △ | 0.9 | | | 14 | 20/1 | REC | 1.44 | | |
| 15 | 20/1 | AHU#7 CONTROL PANEL, AHU#11 CONTROL PANEL | | 0.48 | | 16 | 20/1 | AHU#8 CONTROL PANEL, AHU#9 CONTROL PANEL, AHU#10 CONTROL PANEL | | 0.72 | |
| 17 | 20/1 | AHU#3 CONTROL PANEL | | | 0.24 | 18 | 20/1 | (*) REC-SUMP PUMP | | | 0.7 |
| 19 | 20/1 | REC, REC-EXT GFCI | 0.72 | | | 20 | 20/1 | ELEV SHAFT LTG, REC-GFCI | 0.36 | | |
| 21 | 20/1 | REC | | 1.26 | | 22 | 20/1 | REC, REC-EXT GFCI | | 1.26 | |
| 23 | 20/1 | REC, REC-EXT GFCI | | | 1.08 | 24 | 20/1 | REC | | | 0.72 |
| 25 | 20/1 | DDC J-BOX | 0.6 | | | 26 | 20/1 | REC | 0.18 | | |
| 27 | 20/1 | REC, REC-EXT GFCI | | 0.9 | | 28 | 20/1 | REC, REC-EXT GFCI | | 1.44 | |
| 29 | 20/1 | REC, REC-EXT GFCI, SUMP PUMP ALRM | | | 0.9 | 30 | 20/1 | REC | | | 0.36 |
| 31 | 20/1 | REC, REC-EXT GFCI | 1.08 | | | 32 | 20/1 | (*) | 0 | | |
| 33 | 20/1 | REC, REC-EXT GFCI | | 0.9 | | 34 | 20/1 | REC | | 0.72 | |
| 35 | 20/1 | (*) | | | 0 | 36 | 20/1 | DDC J-BOX | | | 0.15 |
| 37 | 20/1 | DDC J-BOX | 0.15 | | | 38 | 125/3 | PANEL PAD | 3.69 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | \| | | | 4.5 | |
| 41 | 20/1 | REC-EXT GFCI | | | 0.18 | 42 | \| | | | | 4 |
| 43 | 20/1 | REC-EXT GFCI | 0.18 | | | 44 | 15/2 | DAHU #1, DHP #1 | 1.35 | | |
| 45 | 20/1 | REC-EXT GFCI | | 0.18 | | 46 | \| | | | 1.35 | |
| 47 | 20/1 | REC-EXT GFCI | | | 0.18 | 48 | 25/2 | DAHU #2, DHP #2 | | | 2.7 |
| 49 | 20/1 | REC-EXT GFCI | 0.18 | | | 50 | \| | | 2.7 | | |
| 51 | 20/1 | REC-EXT GFCI | | 0.18 | | 52 | 25/2 | DAHU #3, DHP #3 | | 2.7 | |
| 53 | 20/1 | REC-EXT GFCI | | | 0.54 | 54 | \| | | | | 2.7 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 16.1 | 20.5 | 17.7 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 134 | 171 | 148 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0.18 | 0.225 | (125%) |
| LARGEST MOTOR | 5.2 | 1.3 | (25%) |
| OTHER MOTORS | 5.46 | 5.46 | (100%) |
| RECEPTACLES | 30.7 | 20.4 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 2.4 | 3 | (125%) |
| HEATING | 12.9 | 12.9 | (100%) |
| COOLING | 12.9 | 0 | (0%) |
| NONCONTINUOUS | 2.65 | 2.65 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 54.3 | 45.9 | |
| BALANCED 3-PHASE AMPS | | 127 | |

(*) PROVIDE GFEP C/B: (**) PROVIDE GFCI C/B. △

## P5

ROOM: ELECTRICAL ROOM A1110 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 225 | MAIN BKR: 225
FED FROM: DP2 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | SPARE | 0 | | | 2 | 20/1 | SPARE | 0 | | |
| 3 | 20/1 | SPARE | | 0 | | 4 | 20/1 | SPARE | | 0 | |
| 5 | 20/1 | SPARE | | | 0 | 6 | 20/1 | SPARE | | | 0 |
| 7 | 20/1 | SPARE | 0 | | | 8 | 20/1 | SPARE | 0 | | |
| 9 | 20/1 | SPARE | | 0 | | 10 | 20/1 | SPARE | | 0 | |
| 11 | 20/1 | SPARE | | | 0 | 12 | 20/1 | SPARE | | | 0 |
| 13 | 20/1 | SPARE | 0 | | | 14 | 20/1 | SPARE | 0 | | |
| 15 | 20/1 | SPARE | | 0 | | 16 | 20/1 | SPARE | | 0 | |
| 17 | 20/1 | SPARE | | | 0 | 18 | 20/1 | SPARE | | | 0 |
| 19 | 20/1 | SPARE | 0 | | | 20 | 20/1 | SPARE | 0 | | |
| 21 | 20/1 | SPARE | | 0 | | 22 | 20/1 | SPARE | | 0 | |
| 23 | 20/1 | SPARE | | | 0 | 24 | 20/1 | SPARE | | | 0 |
| 25 | 20/1 | SPARE | 0 | | | 26 | 20/1 | SPARE | 0 | | |
| 27 | 20/1 | SPARE | | 0 | | 28 | 20/1 | SPARE | | 0 | |
| 29 | 20/1 | SPARE | | | 0 | 30 | 20/1 | SPARE | | | 0 |
| 31 | 20/1 | SPARE | 0 | | | 32 | 20/1 | SPARE | 0 | | |
| 33 | 20/1 | SPARE | | 0 | | 34 | 20/1 | SPARE | | 0 | |
| 35 | 20/1 | SPARE | | | 0 | 36 | 20/1 | SPARE | | | 0 |
| 37 | 20/1 | SPARE | 0 | | | 38 | 20/1 | SPARE | 0 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | 20/1 | SPARE | | 0 | |
| 41 | 20/1 | SPARE | | | 0 | 42 | 20/1 | SPARE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 0 | 0 | 0 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 0 | 0 | 0 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0 | 0 | (125%) |
| LARGEST MOTOR | 0 | 0 | (N/A) |
| OTHER MOTORS | 0 | 0 | (100%) |
| RECEPTACLES | 0 | 0 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 0 | 0 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 0 | 0 | |
| BALANCED 3-PHASE AMPS | | 0 | |

(#) PROVIDE BREAKER LOCK

## PIT

ROOM: IT A1112 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 100 | MAIN BKR: MLO
FED FROM: DP2 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | REC | 0.72 | | | 2 | 20/1 | REC | 0.36 | | |
| 3 | 20/1 | REC | | 0.72 | | 4 | 20/1 | REC | | 0.36 | |
| 5 | 20/1 | REC | | | 0.72 | 6 | 20/1 | REC | | | 0.36 |
| 7 | 20/1 | REC | 0.72 | | | 8 | 20/1 | REC | 0.36 | | |
| 9 | 20/1 | REC | | 0.72 | | 10 | 20/1 | REC | | 0.18 | |
| 11 | 20/1 | REC | | | 0.72 | 12 | 20/1 | REC | | | 0.18 |
| 13 | 20/1 | REC | 0.36 | | | 14 | 30/1 | REC-DATA (TWSTLOCK) | 2.4 | | |
| 15 | 20/1 | REC | | 0.36 | | 16 | 30/1 | REC-DATA (TWSTLOCK) | | 2.4 | |
| 17 | 20/1 | REC | | | 0.36 | 18 | 20/1 | SPARE | | | 0 |
| 19 | 20/1 | REC | 0.36 | | | 20 | 20/1 | SPARE | 0 | | |
| 21 | 20/1 | SPARE | | 0 | | 22 | 20/1 | SPARE | | 0 | |
| 23 | 20/1 | SPARE | | | 0 | 24 | 20/1 | SPARE | | | 0 |
| 25 | 20/1 | SPARE | 0 | | | 26 | 20/1 | SPARE | 0 | | |
| 27 | 20/1 | SPARE | | 0 | | 28 | 20/1 | SPARE | | 0 | |
| 29 | 20/1 | SPARE | | | 0 | 30 | 20/1 | SPARE | | | 0 |
| 31 | 20/1 | SPARE | 0 | | | 32 | 20/1 | SPARE | 0 | | |
| 33 | 20/1 | SPARE | | 0 | | 34 | 20/1 | SPARE | | 0 | |
| 35 | 20/1 | SPARE | | | 0 | 36 | 20/1 | SPARE | | | 0 |
| 37 | 20/1 | SPARE | 0 | | | 38 | 30/3 | SPD-DP1 | 0 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | \| | | | 0 | |
| 41 | 20/1 | SPARE | | | 0 | 42 | \| | | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 5.28 | 4.74 | 2.34 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 44 | 39.5 | 19.5 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0 | 0 | (125%) |
| LARGEST MOTOR | 0 | 0 | (N/A) |
| OTHER MOTORS | 0 | 0 | (100%) |
| RECEPTACLES | 7.56 | 7.56 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 4.8 | 4.8 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 12.4 | 12.4 | |
| BALANCED 3-PHASE AMPS | | 34.3 | |

## PAD

ROOM: MECH. RM#2134 | VOLTS: 208Y/120V 3P 4W | AIC: 10,000
MOUNTING: SURFACE | BUS AMPS: 125 | MAIN BKR: MLO
FED FROM: P4 | NEUTRAL: 100% | LUGS: STANDARD
NOTE:

| CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C | CKT # | CKT BKR | CIRCUIT DESCRIPTION | LOAD KVA A | LOAD KVA B | LOAD KVA C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20/1 | REC | 0.72 | | | 2 | 20/1 | REC | 0.72 | | |
| 3 | 20/1 | REC | | 0.9 | | 4 | 20/1 | REC | | 0.9 | |
| 5 | 20/1 | REC-FLOOR | | | 0.36 | 6 | 20/1 | REC-FLOOR | | | 0.36 |
| 7 | 20/1 | REC-FLOOR | 0.36 | | | 8 | 20/1 | REC-FLOOR | 0.36 | | |
| 9 | 20/1 | REC-FLOOR | | 0.36 | | 10 | 20/1 | REC-FLOOR | | 0.36 | |
| 11 | 20/1 | REC-FLOOR | | | 0.36 | 12 | 20/1 | REC-FLOOR | | | 0.36 |
| 13 | 20/1 | REC, REC-FLOOR | 0.54 | | | 14 | 20/1 | DDC J-BOX | 0.15 | | |
| 15 | 20/1 | REC | | 0.54 | | 16 | 20/1 | REC | | 0.36 | |
| 17 | 20/1 | EXH FAN, REC, REC-EXT GFCI | | | 1.2 | 18 | 20/1 | (*) REC-REFRIGERATOR | | | 1 |
| 19 | 20/1 | AHU#4 CONTROL PANEL | 0.24 | | | 20 | 20/1 | (*) REC-EWC | 0.6 | | |
| 21 | 20/1 | REC | | 0.72 | | 22 | 20/1 | REC-EXT GFCI | | 1.08 | |
| 23 | 20/1 | ELEV SHAFT LTG, REC-GFCI | | | 0.36 | 24 | 20/1 | REC | | | 0.36 |
| 25 | 20/1 | SPARE | 0 | | △ | 26 | 20/1 | SPARE | 0 | | |
| 27 | 20/1 | SPARE | | 0 | | 28 | 20/1 | SPARE | | 0 | |
| 29 | 20/1 | SPARE | | | 0 | 30 | 20/1 | SPARE | | | 0 |
| 31 | 20/1 | SPARE | 0 | | | 32 | 20/1 | SPARE | 0 | | |
| 33 | 20/1 | SPARE | | 0 | | 34 | 20/1 | SPARE | | 0 | |
| 35 | 20/1 | SPARE | | | 0 | 36 | 20/1 | SPARE | | | 0 |
| 37 | 20/1 | SPARE | 0 | | | 38 | 20/1 | SPARE | 0 | | |
| 39 | 20/1 | SPARE | | 0 | | 40 | 20/1 | SPARE | | 0 | |
| 41 | 20/1 | SPARE | | | 0 | 42 | 20/1 | SPARE | | | 0 |
| | | | | | | | | TOTAL CONNECTED KVA BY PHASE | 4.05 | 5.22 | 4.7 |
| | | | | | | | | TOTAL CONNECTED AMPS BY PHASE | 33.8 | 43.5 | 39.2 |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| LIGHTING | 0.18 | 0.225 | (125%) |
| LARGEST MOTOR | 0.24 | 0.3 | (125%) |
| OTHER MOTORS | 0.3 | 0.3 | (100%) |
| RECEPTACLES | 11.5 | 10.8 | (50%>10) |
| KITCHEN EQUIP | 0 | 0 | (N/A) |

| | CONN KVA | CALC KVA | |
|---|---|---|---|
| CONTINUOUS | 0 | 0 | (125%) |
| HEATING | 0 | 0 | (N/A) |
| COOLING | 0 | 0 | (N/A) |
| NONCONTINUOUS | 1.75 | 1.75 | (100%) |
| DIVERSE | 0 | 0 | (N/A) |
| METERED DEMAND | 0 | 0 | (125%) |
| TOTAL KVA | 14 | 13.3 | |
| BALANCED 3-PHASE AMPS | | 37 | |

(*) PROVIDE GFCI 5mA C/B. (#) PROVIDE GFEP 30mA C/B.

ILM

*TERMINAL IMPROVEMENTS CONTRACT 4*

Wilmington International Airport
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JOB # 19005

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NORTH CAROLINA PROFESSIONAL SEAL 17593 ENGINEER MARK A. CIARROCCA

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CHEATHAM & ASSOC.


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REVISIONS

| | | |
|---|---|---|
| △ | BD-47 | 09/02/2022 |
| △ | BD-54 | 03/28/2024 |

DATE 03/28/2024
PROJECT NUMBER 9202-903
SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E-605