WILMINGTON INTERNATIONAL AIRPORT (ILM) ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE II

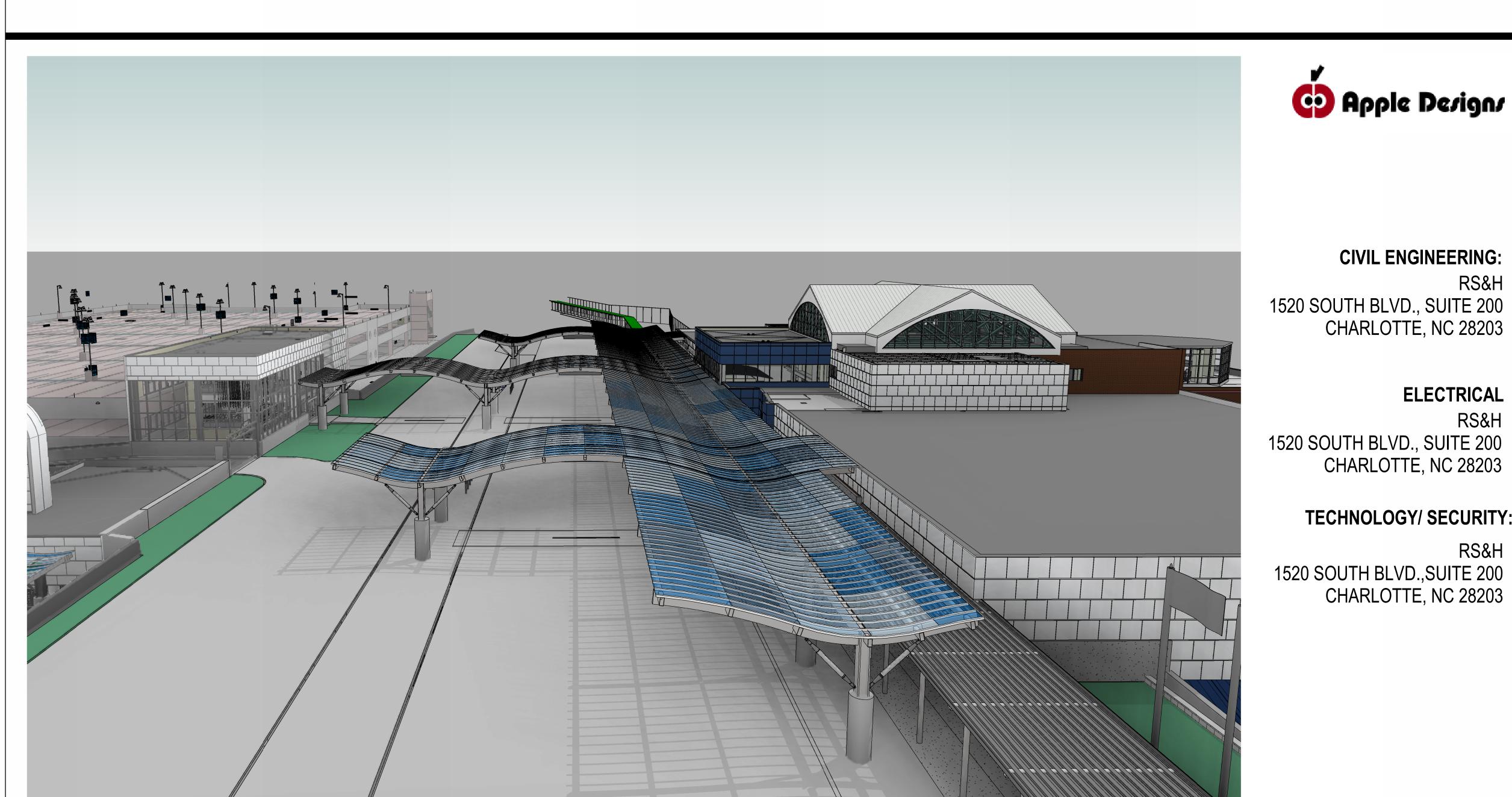
1740 AIRPORT BLVD. WILMINGTON, NC 28405

100% BID SET

VOL. II - TERMINAL EXPANSION, ALTERATIONS, AND CONNECTOR - ALTERNATE 3

03/14/2025

AEC PROJECT NUMBER 1003-0070-004





CIVIL ENGINEERING:

CHARLOTTE, NC 28203

CHARLOTTE, NC 28203

TECHNOLOGY/ SECURITY:

CHARLOTTE, NC 28203

RS&H

RS&H

RS&H

ELECTRICAL



North Carolina License Nos. 50073 *

MECHANICAL/ PLUMBING:

RS&H 1520 SOUTH BLVD., SUITE 200 CHARLOTTE, NC 28203

STRUCTURAL

RS&H 1520 SOUTH BLVD., SUITE 200 CHARLOTTE, NC 28203

WAYFINDING

APPLE DESIGNS 3739 NATIONAL DRIVE SUITE 228 RALEIGH,NC 27612

ARCHITECTURE:

RS&H 1520 SOUTH BLVD., SUITE 200 CHARLOTTE, NC 28203

LIGHTING DESIGNER

HARTRANFT LIGHTING DESIGN 12 FULTON RD ANDOVER, MA 01810

REVISIONS

NOT ISSUED FOR CONSTRUCTION

BUILDING ID: BLDG. ID

SHEET NUMBER 00 GENERAL
G001-3 COVER SHEET
G002-3 SHEET INDEX 06 STRUCTURAL S101-3 OVERALL RAMP LEVEL FOUNDATION PLAN S101-3 OVERALL RAWP LEVEL FOUNDATION PLAN

S105-3 PARTIAL RAMP LEVEL FOUNDATION PLAN - CONNECTOR

S106-3 OVERALL TICKET LEVEL FRAMING & FOUNDATION PLAN

S107-3 PARTIAL TICKETING LEVEL FOUNDATION PLAN

S108-3 PARTIAL TICKETING LEVEL FRAMING & FOUNDATION PLAN S109-3 PARTIAL TICKETING LEVEL FOUNDATION PLAN S111-3 OVERALL ADMIN & CANOPY ROOF FRAMING PLAN S112-3 PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN S112-3 PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN
S113-3 PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN
S114-3 PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN
S221-3 CANOPY FRAMING ELEVATIONS & DETAILS
S301-3 FOUNDATION SECTIONS 07 ARCHITECTURAL 07 ARCHITECTURAL

A101-3 OVERALL RAMP LEVEL FLOOR PLAN

A106-3 OVERALL TICKET LEVEL FLOOR PLAN

A116-3 OVERALL TICKET LEVEL REFLECTED CEILING PLAN

A118-3 PARTIAL TICKET LEVEL REFLECTED CEILING PLAN - AREA B

A121-3 OVERALL ROOF PLAN

A125-3 BUS SHELTER FLOOR AND ROOF PLANS, AND ELEVATIONS

A320-3 CANOPY SECTIONS

A505-3 COLUMN DETAILS A512-3 ROADWAY CANOPY DETAILS 14 ELECTRICAL

EL106-3 OVERALL TICKETING LEVEL ELECTRICAL LIGHTING PLAN - ALT 3

EL108-3 PARTIAL REDUCED CANOPY ELECTRICAL LIGHTING PLAN - AREA B

EP108-3 ROOF LEVEL ELECTRICAL PLAN REDUCED CANOPY 16 COMMUNICATIONS T001-3 COMMUNICATIONS GENERAL NOTES, SYMBOLS AND ABBREVIATIONS - ALT 3 T106-3 OVERALL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - ALT 3 T107-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - ALT 3

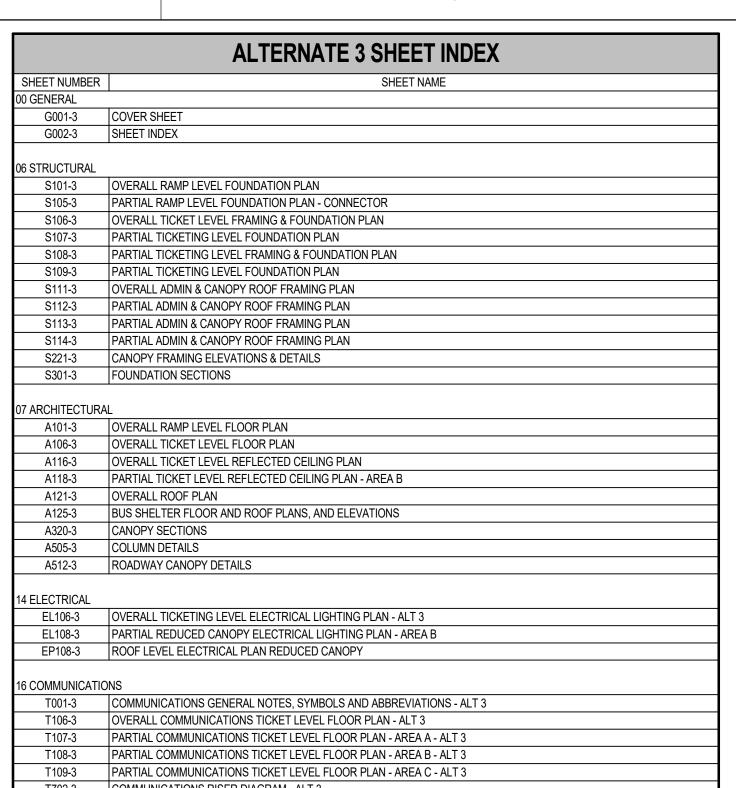
T108-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA A - ALT 3

T108-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA B - ALT 3

T109-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA C - ALT 3

T702-3 COMMUNICATIONS RISER DIAGRAM - ALT 3 T703-3 COMMUNICATIONS INTERCONNECT DIAGRAM - ALT 3

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.



	DECODIDATION	DAT
NO.	DESCRIPTION	DAT
DATE ISS	HED:	03/14/3
	UED: D BY:	03/14/2

1520 South Blvd., Suite 200 Charlotte, NC 28203

Phone: 704-752-0610, Fax: 704-949-2672

North Carolina License Nos. 50073 * F-0493 * C-28

PROJECT TITLE:

ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS:

1740 AIRPORT BLVD.

WILMINGTON, NC 28405

www.rsandh.com

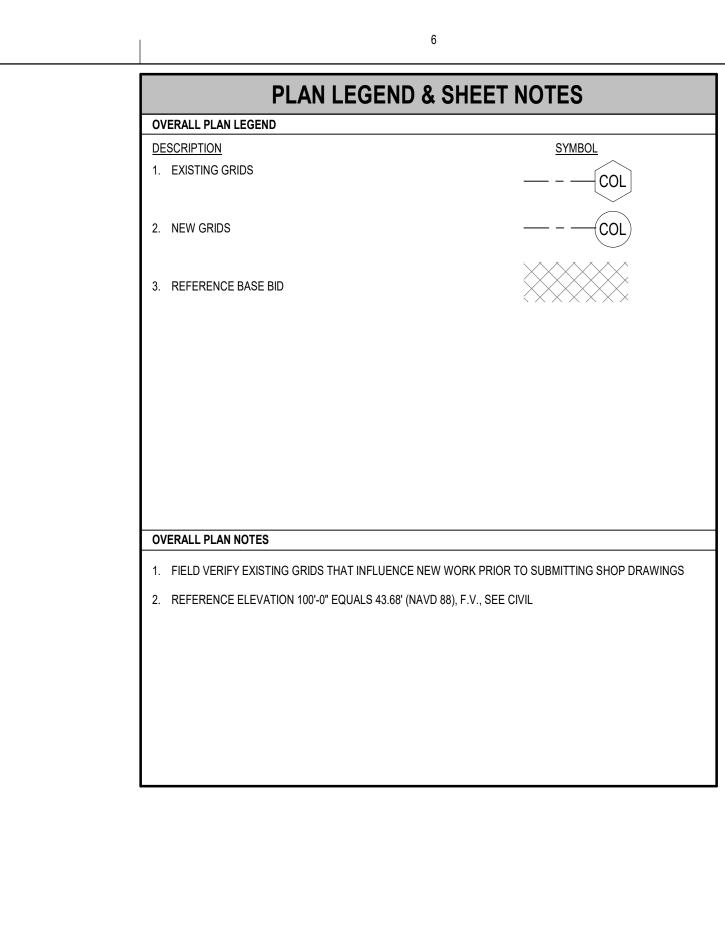
DESIGNED BY: PROJECT NUMBER:

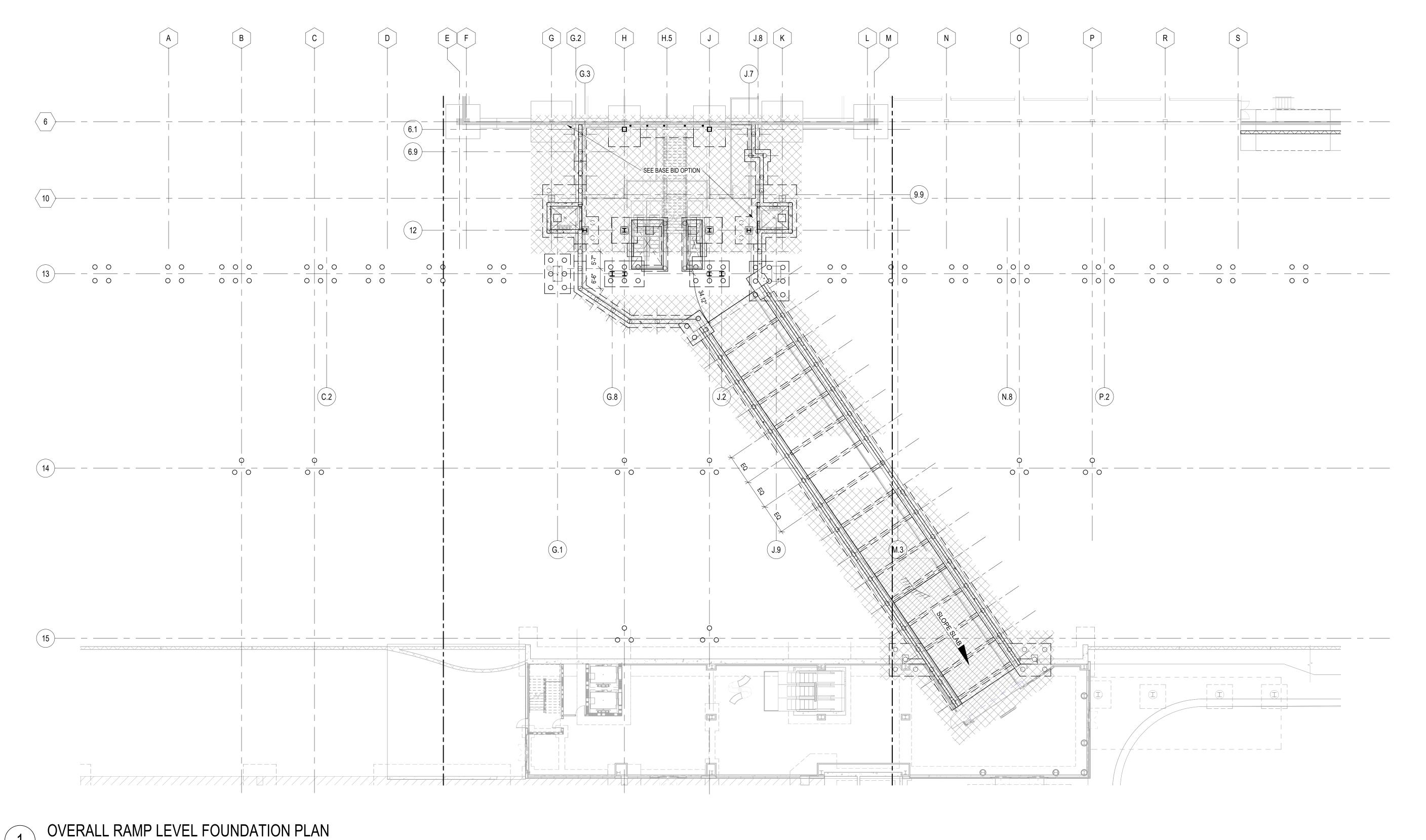
© 2025 RS&H, INC

SHEET TITLE: SHEET INDEX

SHEET ID:

PROJECT STATUS: 100% BID SET





Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

_AN

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

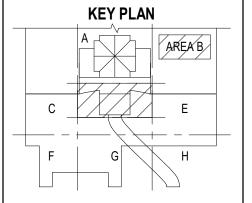




PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





DATE ISSUED: 03/14/2025

REVIEWED BY: RLM

DRAWN BY: JFS

DESIGNED BY: JFS

PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC

LOR REVIEW ON THIS TON

SHEET TITLE:

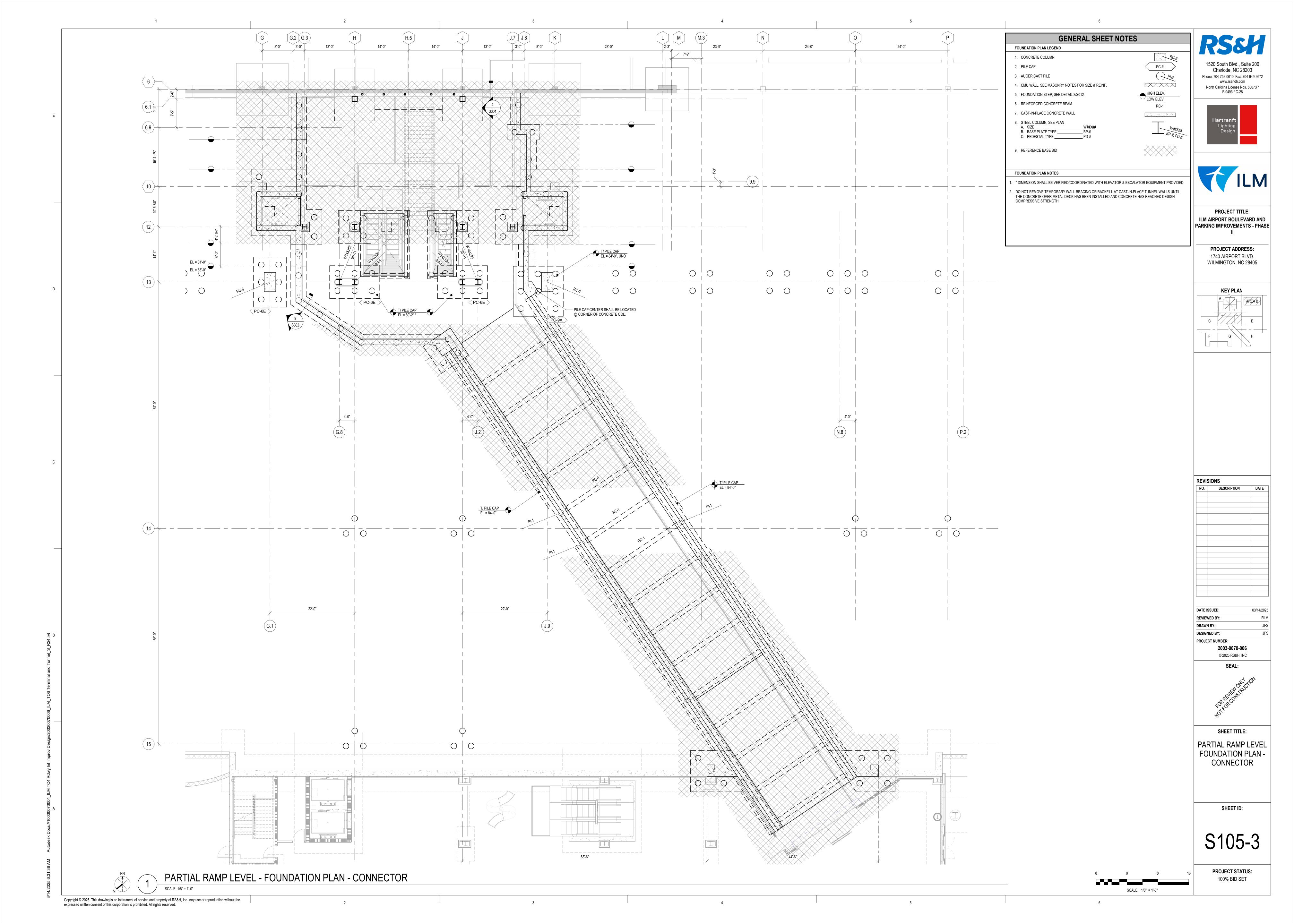
OVERALL RAMP LEVEL FOUNDATION PLAN

SHEET ID:

S101-3

SCALE: 1/16" = 1'-0"

PROJECT STATUS: 100% BID SET



PLAN LEGEND & SHEET NOTES OVERALL PLAN LEGEND SYMBOL 1. EXISTING GRIDS — – <u>(CO</u>L) . NEW GRIDS 3. FLOOR CONCRETE OVER METAL DECK
A. METAL DECK SPAN DIRECTION B. FLOOR TYPE ____ . REFERENCE BASE BID OVERALL PLAN NOTES . FIELD VERIFY EXISTING GRIDS THAT INFLUENCE NEW WORK PRIOR TO SUBMITTING SHOP DRAWINGS REFERENCE ELEVATION 100'-0" EQUALS 43.68' (NAVD 88), F.V., SEE CIVIL 3. COLUMN CONCRETE WRAPS FOR CANOPY COLUMNS SHALL BE TYPE-2, SEE DETAIL 7/S012

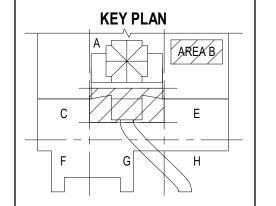
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

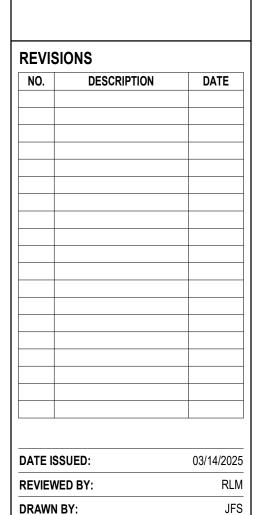




PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





DESIGNED BY: PROJECT NUMBER: 2003-0070-006 © 2025 RS&H, INC

SHEET TITLE:

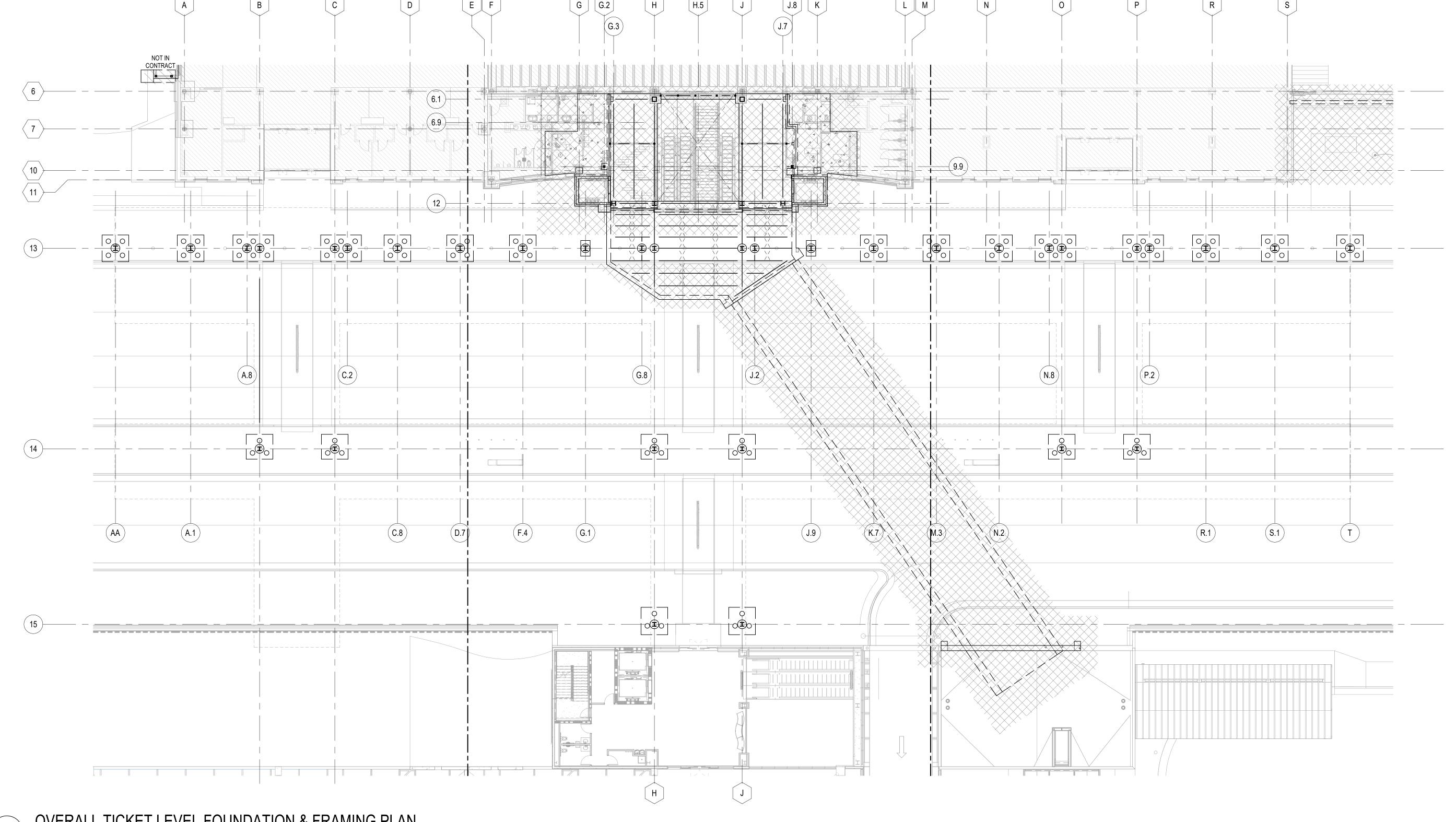
OVERALL TICKET LEVEL FRAMING & FOUNDATION PLAN

SHEET ID:

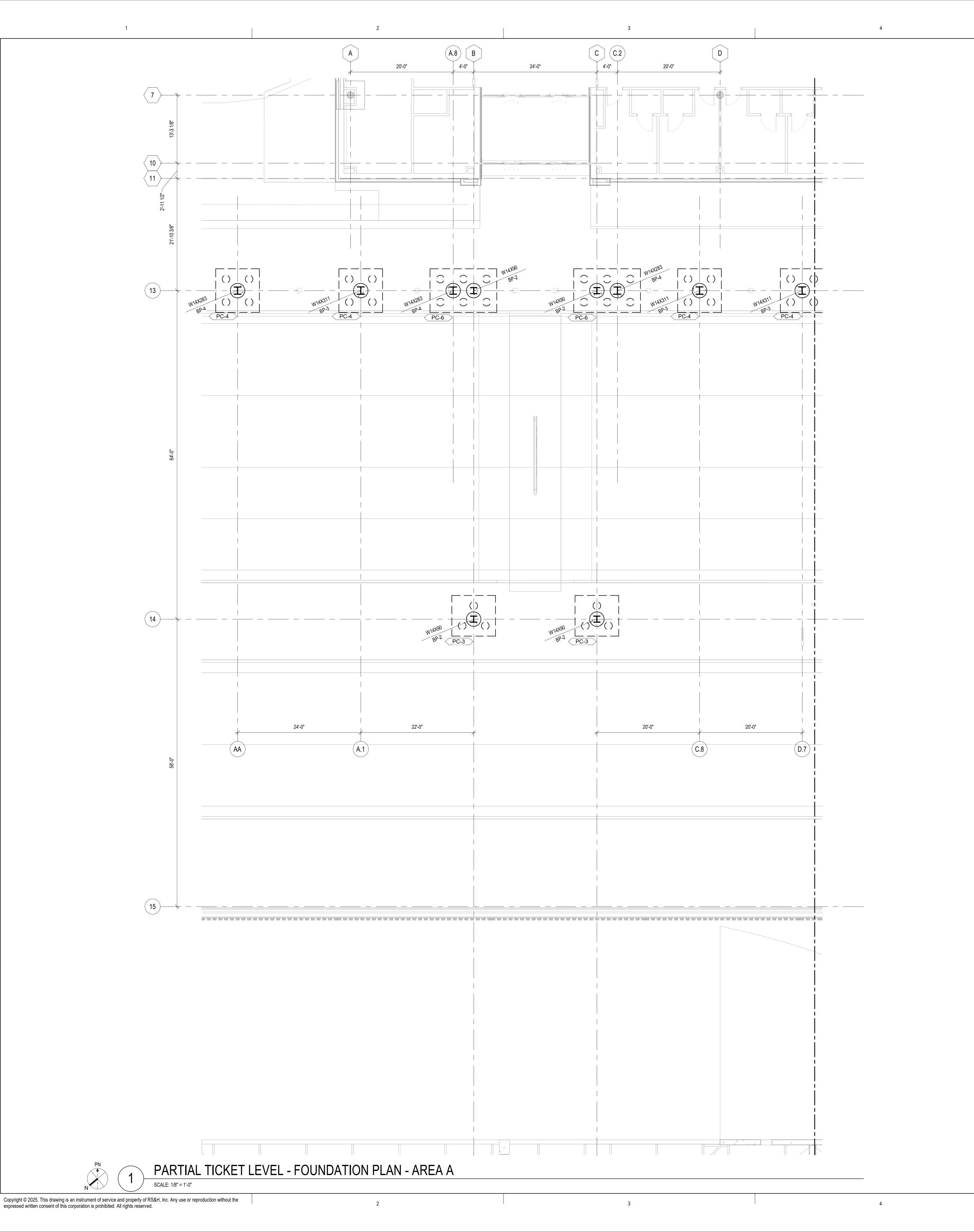
S106-3

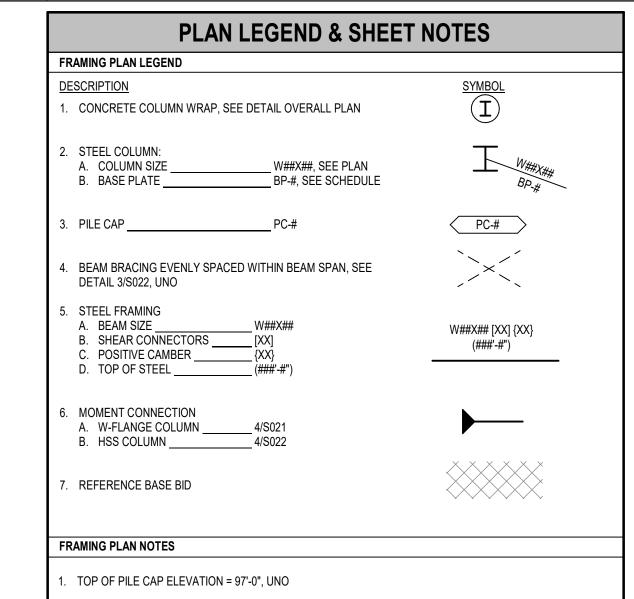
PROJECT STATUS: 100% BID SET

SCALE: 1/16" = 1'-0"



OVERALL TICKET LEVEL FOUNDATION & FRAMING PLAN





2. ALL STEEL & BOTTOM OF METAL DECK SHALL BE PAINTED TO MATCH CANOPY

1520 South Blvd., Suite 200
Charlotte, NC 28203
Phone: 704-752-0610, Fax: 704-949-2672
www.rsandh.com
North Carolina License Nos. 50073 *
F-0493 * C-28

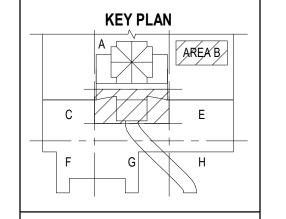
Hartranft
Lighting
Design

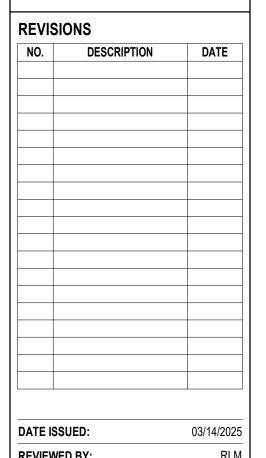


PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





DRAWN BY:
DESIGNED BY:
PROJECT NUMBER:
2003-0070-006

2003-0070-006 © 2025 RS&H, INC SEAL:

FOR REVENOR TRUCTOR

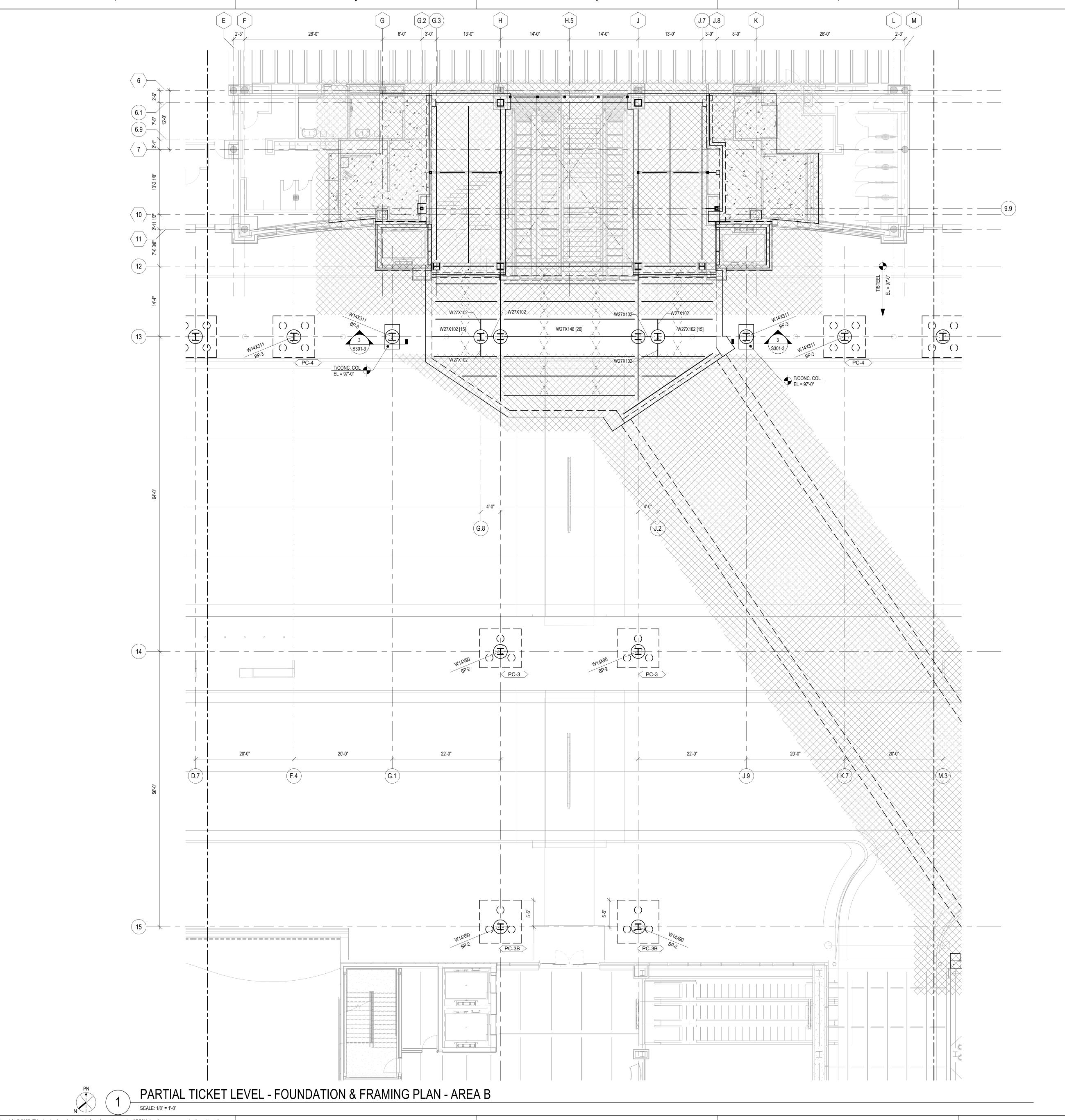
SHEET TITLE:

PARTIAL TICKETING LEVEL FOUNDATION PLAN

SHEET ID:

S107-3

PROJECT STATUS: 100% BID SET



PLAN LEGEND & SHEET NOTES FRAMING PLAN LEGEND $\frac{\text{SYMBOL}}{\text{\square}}$. CONCRETE COLUMN WRAP, SEE DETAIL OVERALL PLAN STEEL COLUMN: W##X##, SEE PLAN BP-#, SEE SCHEDULE A. COLUMN SIZE _ B. BASE PLATE ___ PC-# BEAM BRACING EVENLY SPACED WITHIN BEAM SPAN, SEE DETAIL 3/S022, UNO STEEL FRAMING A. BEAM SIZE W##X##
B. SHEAR CONNECTORS [XX] W##X## [XX] {XX} (### -#") D. TOP OF STEEL MOMENT CONNECTION A. W-FLANGE COLUMN ______ B. HSS COLUMN _____ REFERENCE BASE BID FRAMING PLAN NOTES . TOP OF PILE CAP ELEVATION = 97'-0", UNO 2. ALL STEEL & BOTTOM OF METAL DECK SHALL BE PAINTED TO MATCH CANOPY

Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405

KEY PLAN

© 2025 RS&H, INC

SHEET TITLE:

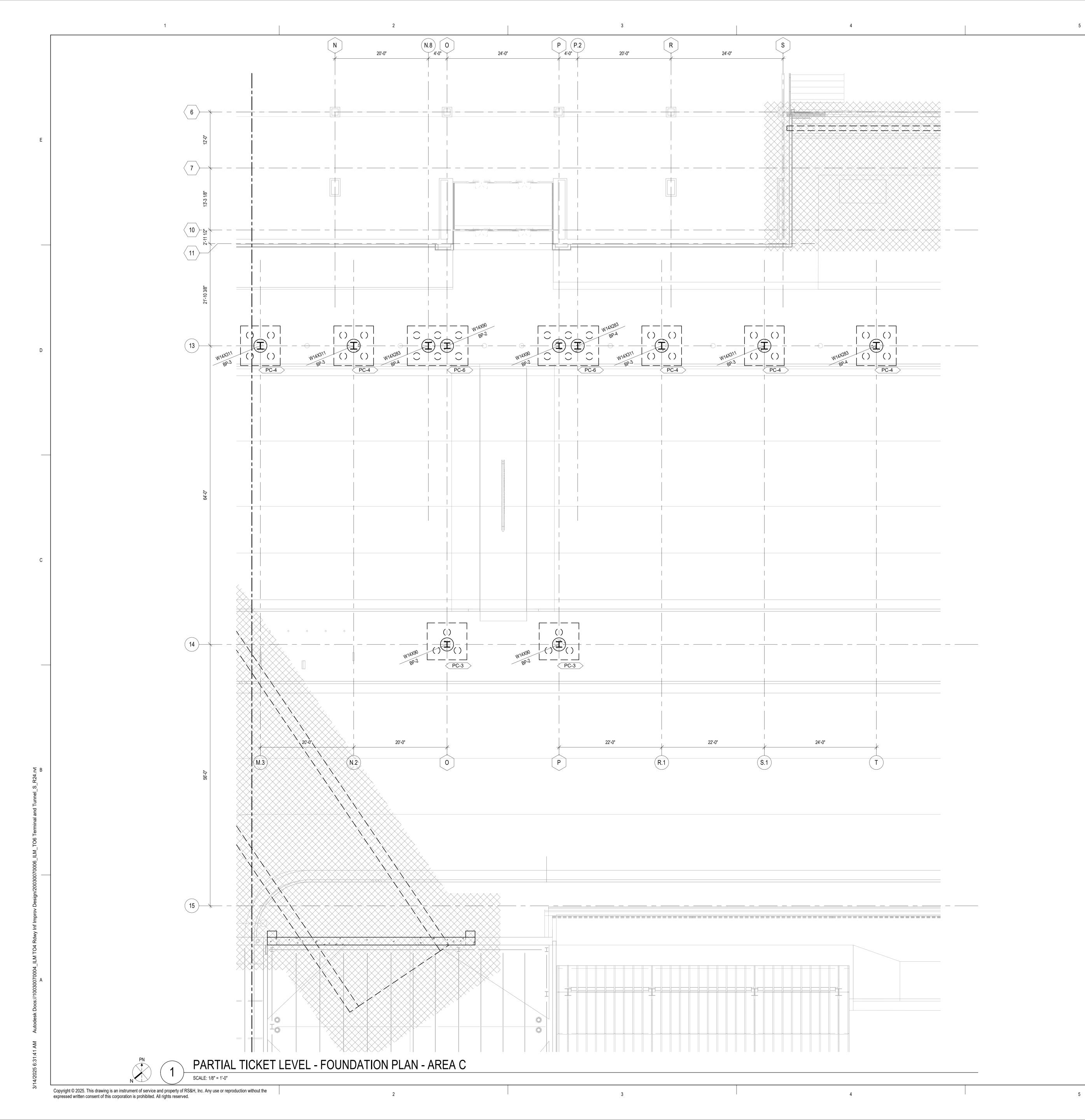
PARTIAL TICKETING LEVEL FRAMING & FOUNDATION PLAN

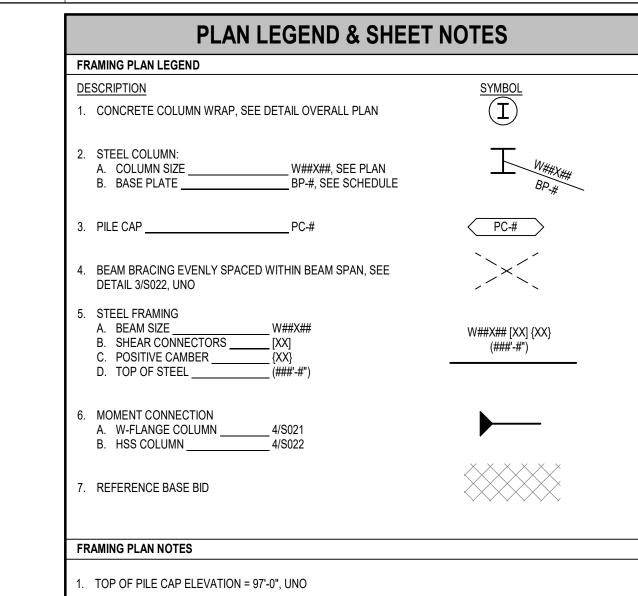
SHEET ID:

S108-3

PROJECT STATUS: 100% BID SET

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





2. ALL STEEL & BOTTOM OF METAL DECK SHALL BE PAINTED TO MATCH CANOPY

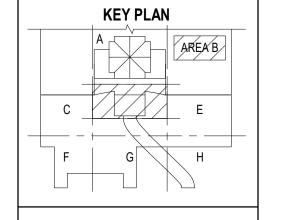
ILN

PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

Charlotte, NC 28203

Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





DATE ISSUED: 03/14/202

REVIEWED BY: RLI

DRAWN BY: JF

DESIGNED BY: JF

PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC

FOR REVER ON TRUCTOR

SHEET TITLE:

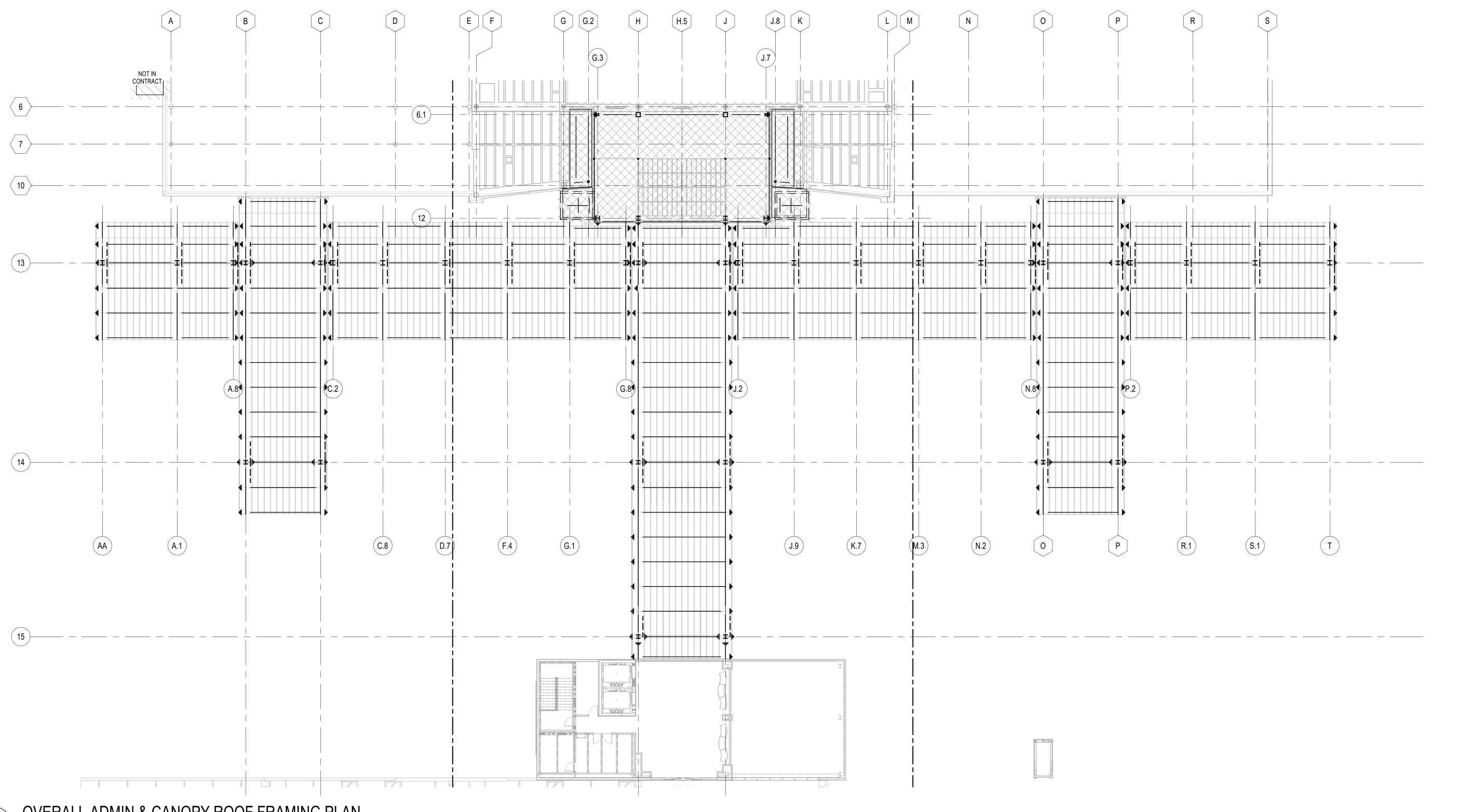
PARTIAL TICKETING LEVEL FOUNDATION PLAN

SHEET ID:

S109-3

PROJECT STATUS: 100% BID SET

PLAN LEGEND & SHEET NOTES OVERALL PLAN LEGEND SYMBOL <u>DESCRIPTION</u> — - — COL . EXISTING GRIDS Phone: 704-752-0610, Fax: 704-949-2672 — - (COL) North Carolina License Nos. 50073 * ROOF METAL DECK
A. METAL DECK SPAN DIRECTION B. ROOF TYPE ____ . REFERENCE BASE BID OVERALL PLAN NOTES . FIELD VERIFY EXISTING GRIDS THAT INFLUENCE NEW WORK PRIOR TO SUBMITTING SHOP DRAWINGS ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE 1740 AIRPORT BLVD. WILMINGTON, NC 28405



NO. DESCRIPTION

REVISIONS

Charlotte, NC 28203

www.rsandh.com

F-0493 * C-28

PROJECT TITLE:

PROJECT ADDRESS:

KEY PLAN

DESIGNED BY: PROJECT NUMBER:

© 2025 RS&H, INC

SHEET TITLE:

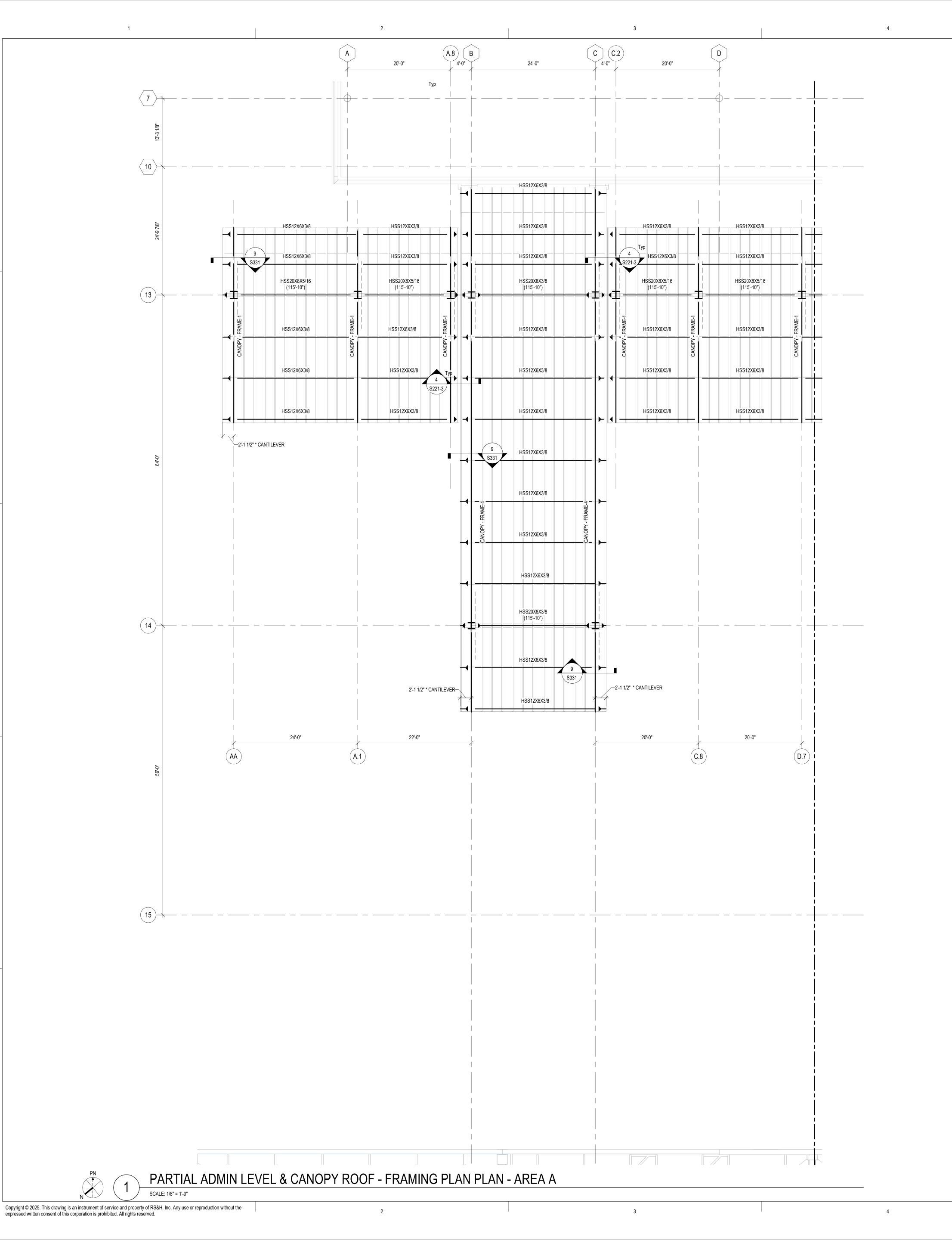
OVERALL ADMIN & **CANOPY ROOF** FRAMING PLAN

SHEET ID:

SCALE: 1/16" = 1'-0"

PROJECT STATUS: 100% BID SET

OVERALL ADMIN & CANOPY ROOF FRAMING PLAN



PLAN LEGEND & SH	
DESCRIPTION	SYMBOL
CMU WALL, SEE MASONRY NOTES ON S001	<u>STWIDGE</u>
2. FLOOR OPENING	
3. BEAM BRACING EVENLY SPACED WITHIN BEAM SPAN, SEE DETAIL 3/S022	\ _ /* (
4. STEEL FRAMING A. BEAM SIZE W##X## B. SHEAR CONNECTORS [XX] C. POSITIVE CAMBER {XX} D. TOP OF STEEL (###'-#")	W##X## [XX] {XX} (###'-#")
5. MOMENT CONNECTION A. W-FLANGE COLUMN 4/S021 B. HSS COLUMN 4/S022	—
6. REFERENCE BASE BID	
FRAMING PLAN NOTES	
1. CANOPY STEEL FRAMING: A. FRAME-1	/S222 1/S222 & 2/S223
2. * DENOTES COORDINATION REQUIRED WITH ROOF PANEL	SYSTEM

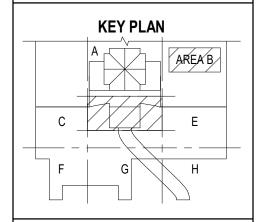






PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC SEAL:

FOR REVENORIES RUCTOR

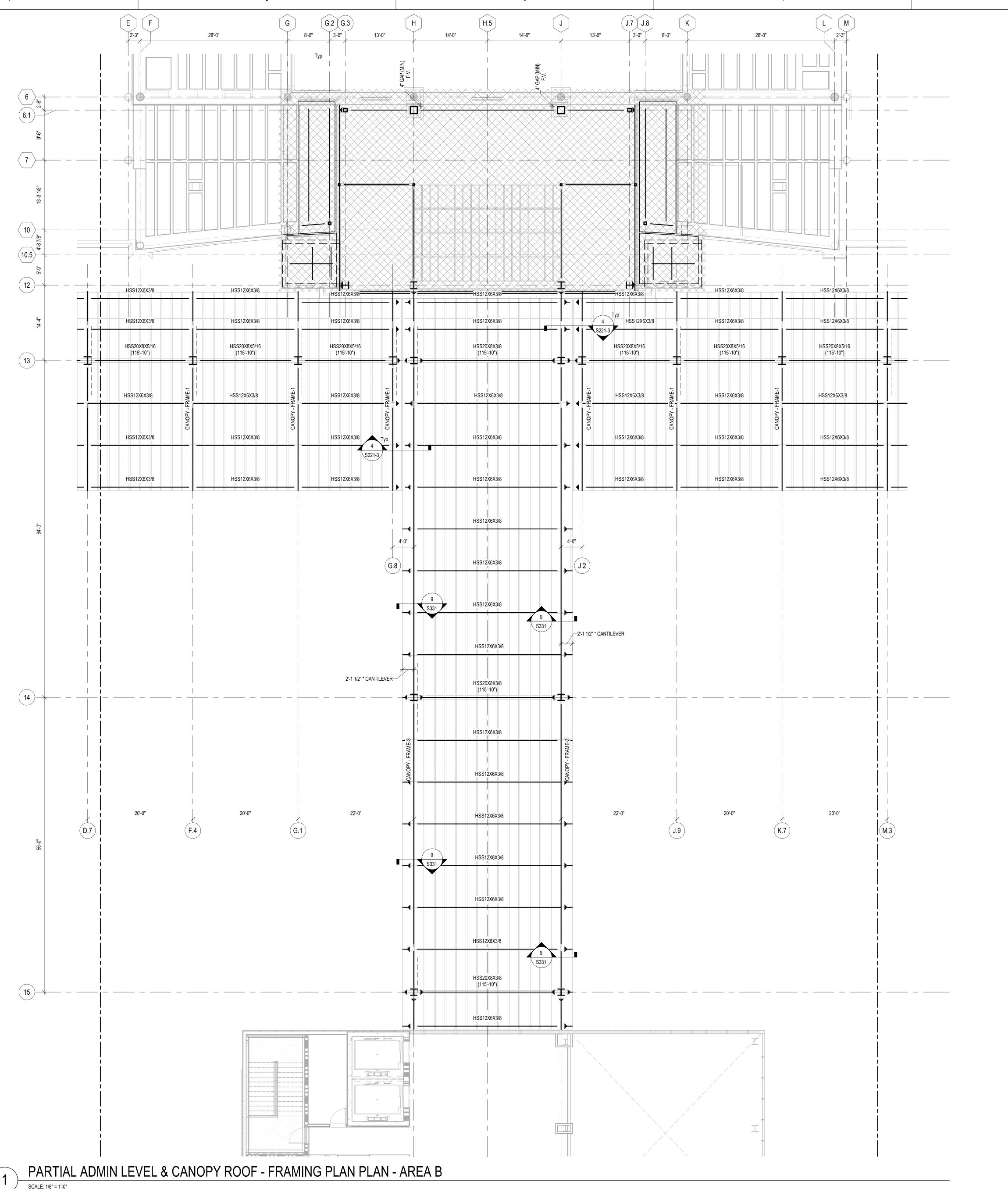
SHEET TITLE:

PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN

SHEET ID:

S112-3

PROJECT STATUS: 100% BID SET



PLAN LEGEND & SHEET NOTES FRAMING PLAN LEGEND <u>SYMBOL</u> . CMU WALL, SEE MASONRY NOTES ON S001 . FLOOR OPENING BEAM BRACING EVENLY SPACED WITHIN BEAM SPAN, SEE DETAIL 3/S022 . STEEL FRAMING A. BEAM SIZE W##X##
B. SHEAR CONNECTORS [XX]
C. POSITIVE CAMBER {XX} A. BEAM SIZE W##X## [XX] {XX} (###'-#") D. TOP OF STEEL MOMENT CONNECTION A. W-FLANGE COLUMN ______ 4/S021 B. HSS COLUMN ______ 4/S022 B. HSS COLUMN _____ E. REFERENCE BASE BID FRAMING PLAN NOTES CANOPY STEEL FRAMING: ____1/S221-3 ____1/S222 ____2/S222 ____1 & 2/S223 ____1/S224 A. FRAME-1 B. FRAME-2 C. FRAME-3 D. FRAME-4 E. FRAME-5 . * DENOTES COORDINATION REQUIRED WITH ROOF PANEL SYSTEM.

1520 South Blvd., Suite 200
Charlotte, NC 28203
Phone: 704-752-0610, Fax: 704-949-2672
www.rsandh.com
North Carolina License Nos. 50073 *
F-0493 * C-28



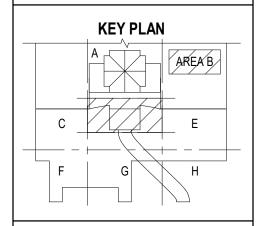


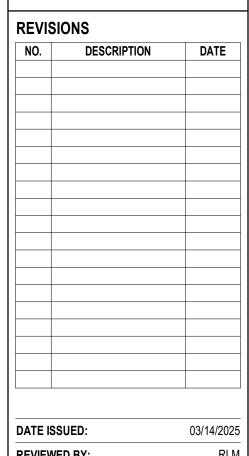
PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405





REVIEWED BY:

DRAWN BY:

DESIGNED BY:

PROJECT NUMBER:

2003-0070-006

© 2025 RS&H, INC **SEAL:**

LOR REVIEW ON THIS TON

SHEET TITLE:

PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN

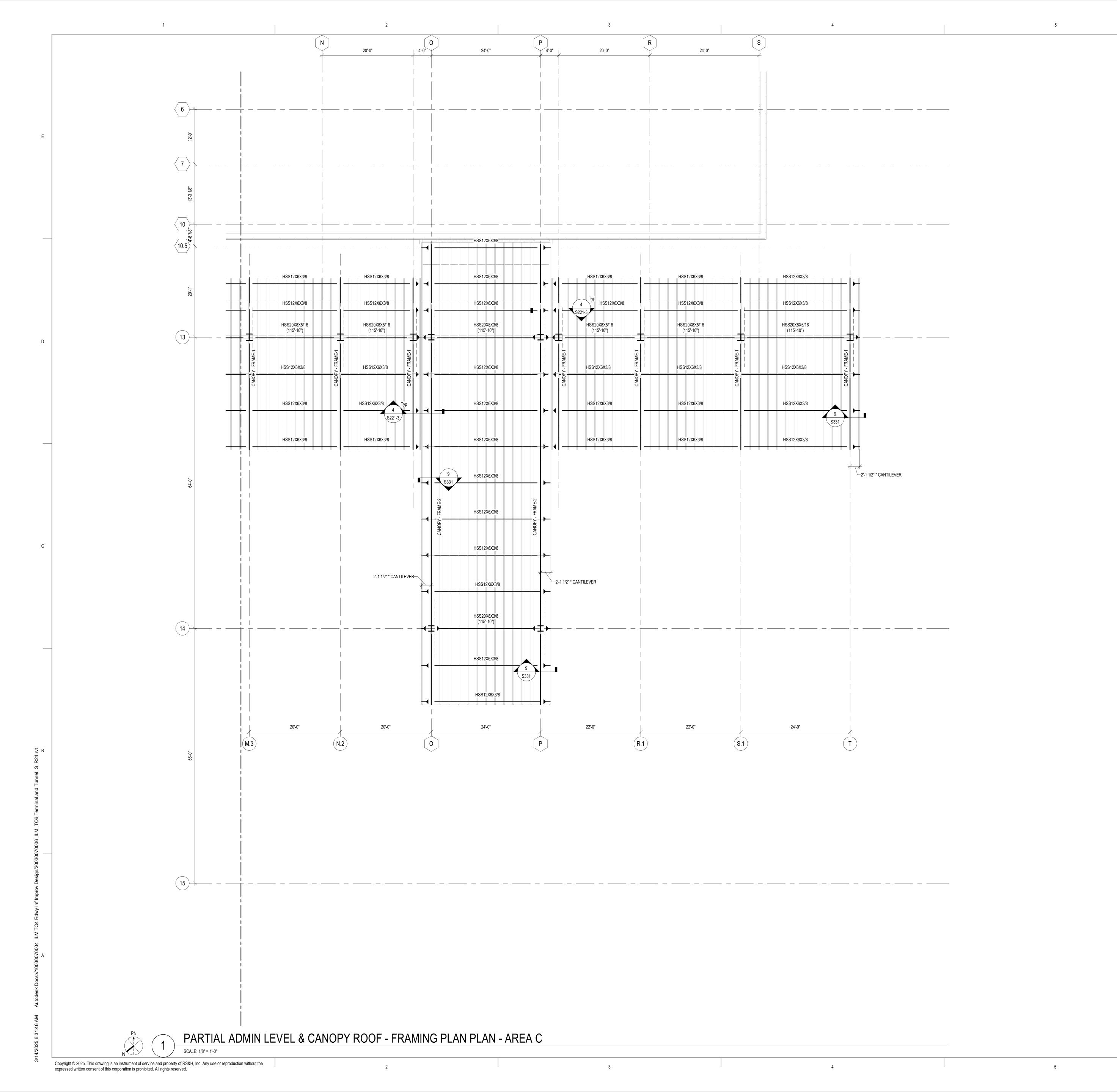
SHEET ID:

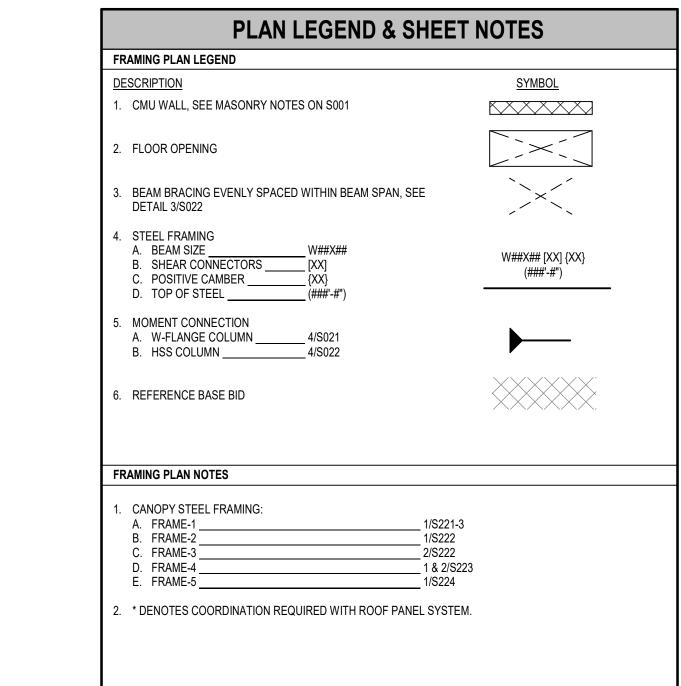
S113-3

PROJECT STATUS: 100% BID SET

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

/14/2025 6:31:45 AM Autodesk Docs://1003007000









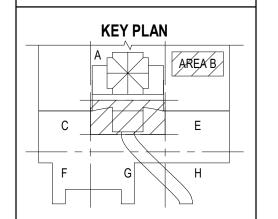


PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405





DESIGNED BY:

PROJECT NUMBER:

2003-0070-006

© 2025 RS&H, INC

© 2025 RS&H, INC

SEAL:

to REVENOR TRUCTOR

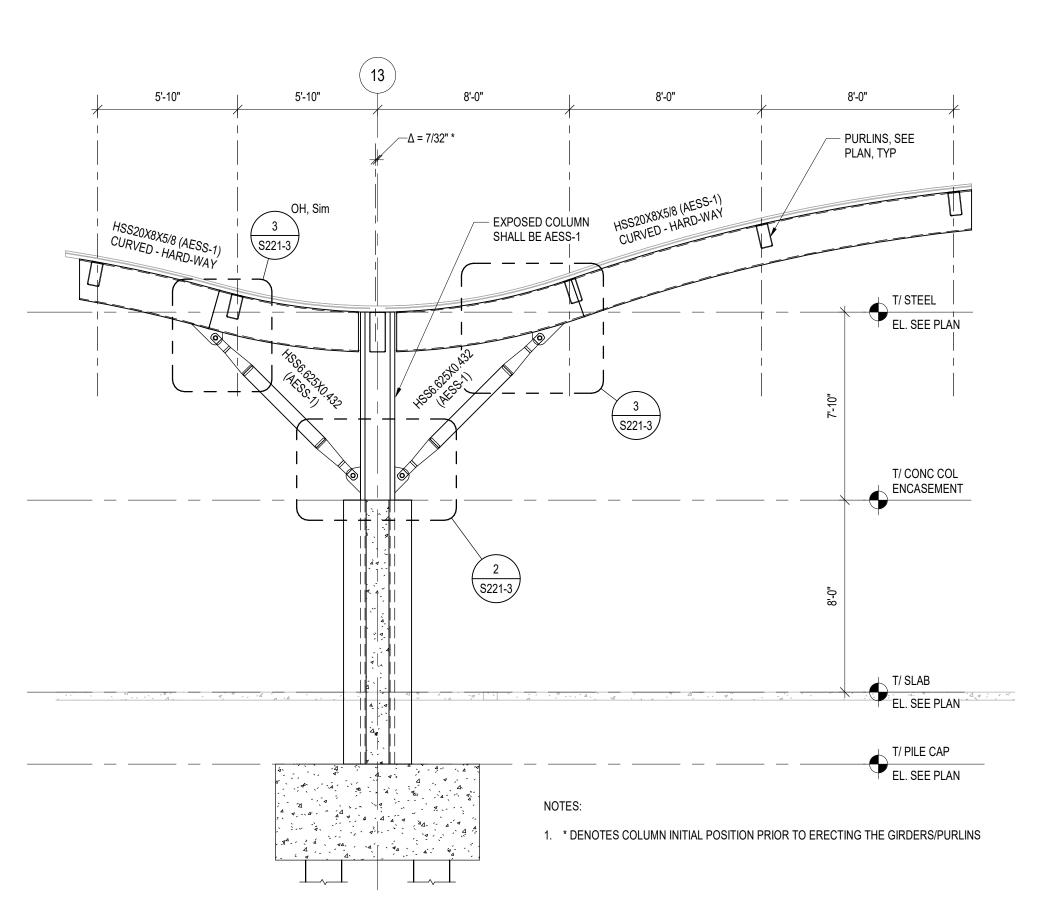
SHEET TITLE:

PARTIAL ADMIN & CANOPY ROOF FRAMING PLAN

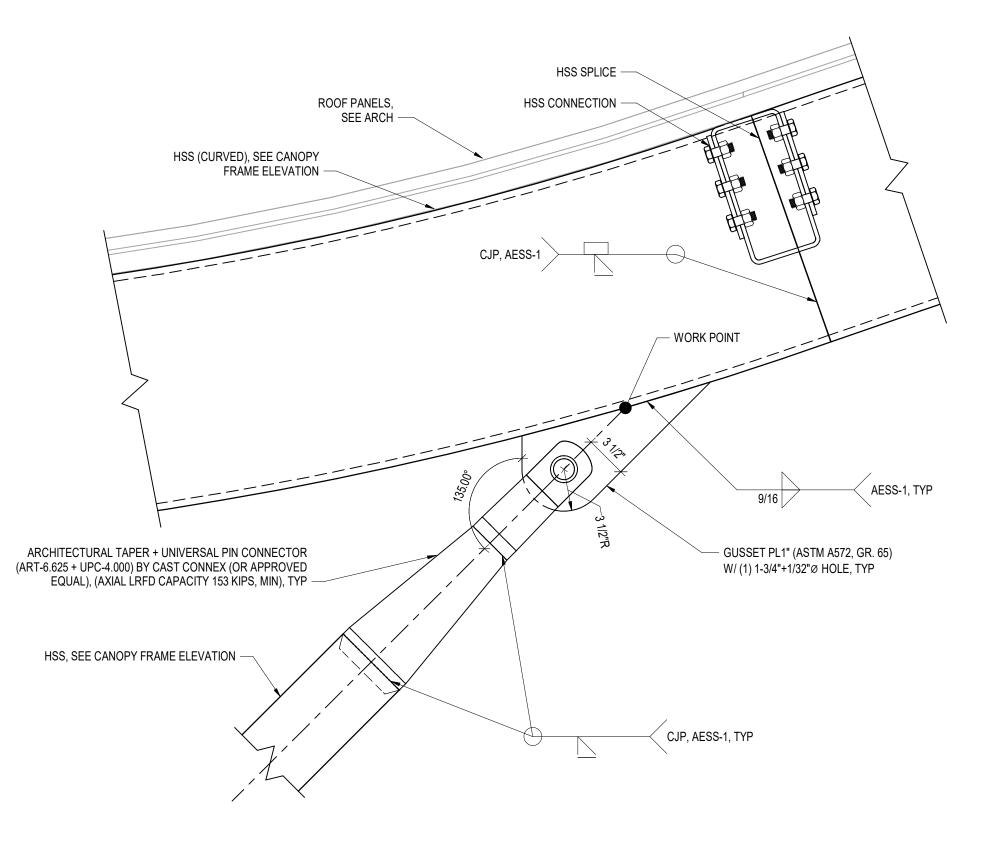
SHEET ID:

S114-3

PROJECT STATUS: 100% BID SET

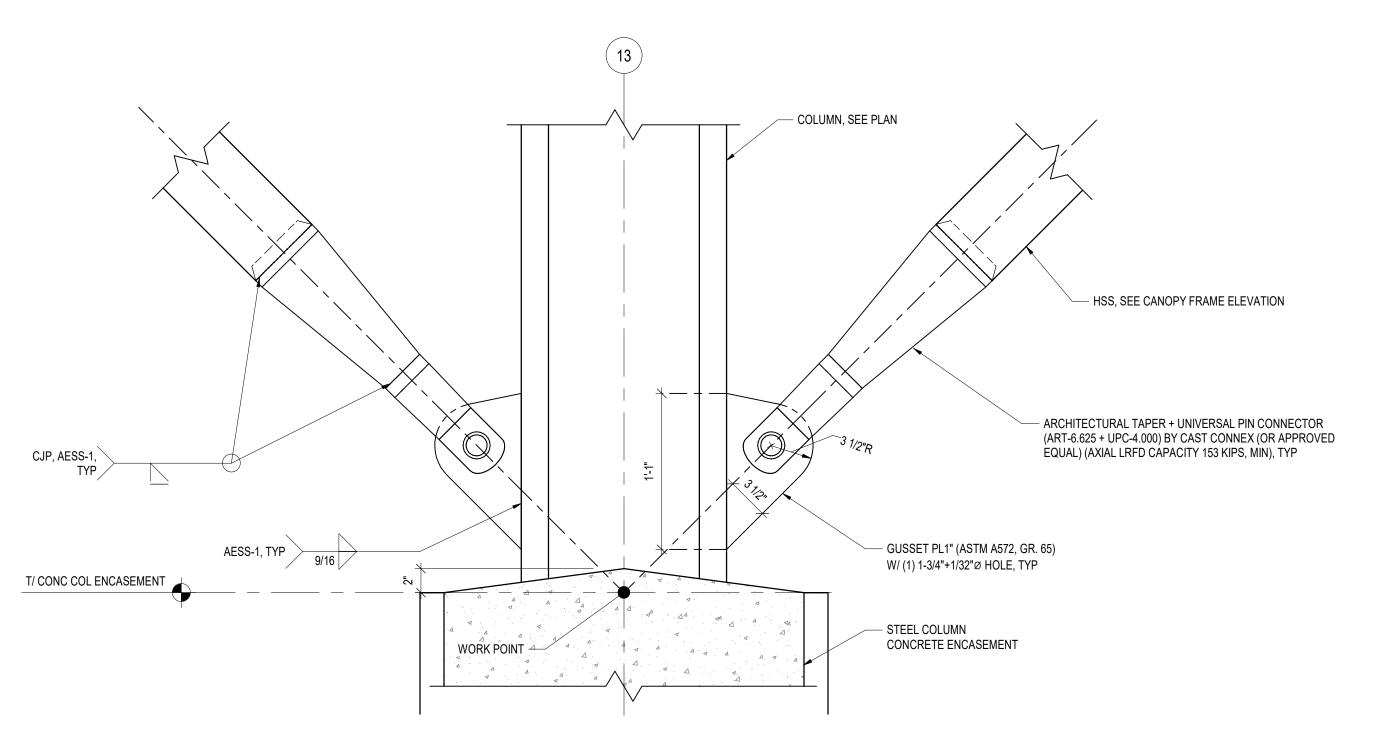


CANOPY FRAME ELEVATION - FRAME-1



3 SECTION @ CANTILEVER CANOPY

SCALE: 1 1/2" = 1'-0"



SECTION @ CANTILEVER CANOPY

HSS12X6X3/8 HSS12X6X3/8

CANTILEVER, SEE PLAN PJP, TYP - ROOF SYSTEM, 3" EXP. JOINT, CONT.-SEE ARCH. — CAP PL3/8", FULLY WELD, COPE HSS SIDE WALLS -GRIND SMOOTH, TYP T/STEEL
EL. VARIES, SEE PLAN

SIMILAR W-FLANGE COLUMN, EXTEND HSS CANTILEVER TO COLUMN WEB AND WELD AS SHOWN IN THIS DETAIL
 ALL WELDS SHALL MEET AESS-1 CRITERIA

SECTION @ CANTILEVER CANOPY

SCALE: N.T.S.

CANOPY FRAME ELEVATION SHEET NOTES

- ALL HSS SPLICES SHALL BE COMPLETE JOINT PENETRATION WELDS, SEE DETAIL 2/S331
- . HSS CONNECTIONS, REFERENCE TYPICAL CONNECTION DETAILS ON SHEET S331 . PROVIDE (1) 1/4" WEEP HOLE FOR EACH HSS SPAN WITH THE FOLLOWING CRITERIA:
- A. 12" FROM EACH END B. CENTERED ON THE HSS BOTTOM WALL
- . ADDITIONAL GEOMETRY INFORMATION, SEE FRAME ELEVATION 2/S221 . INTERNAL HSS CAP PLATES SHALL BE PROVIDED AT ALL OPEN ENDS, UNO
 A. CAP PLATE SHALL BE 1/8" LESS THAN THE HSS WALL THICKNESS AND GREATER THAN 1/4"

B. CAP PLATE SHALL BE FULLY WELDED AND GRIND SMOOTH, AESS-1

3. ALL CANOPY STEEL FRAMING SHALL BE PAINTED WITH A HIGH PERFORMANCE COATING AND FINISHING, SEE ARCH. AND SPECIFICATION 099600







PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405

REVISIONS NO. DESCRIPTION

DATE ISSUED: 03/14/2025 REVIEWED BY

DESIGNED BY: PROJECT NUMBER: 2003-0070-006

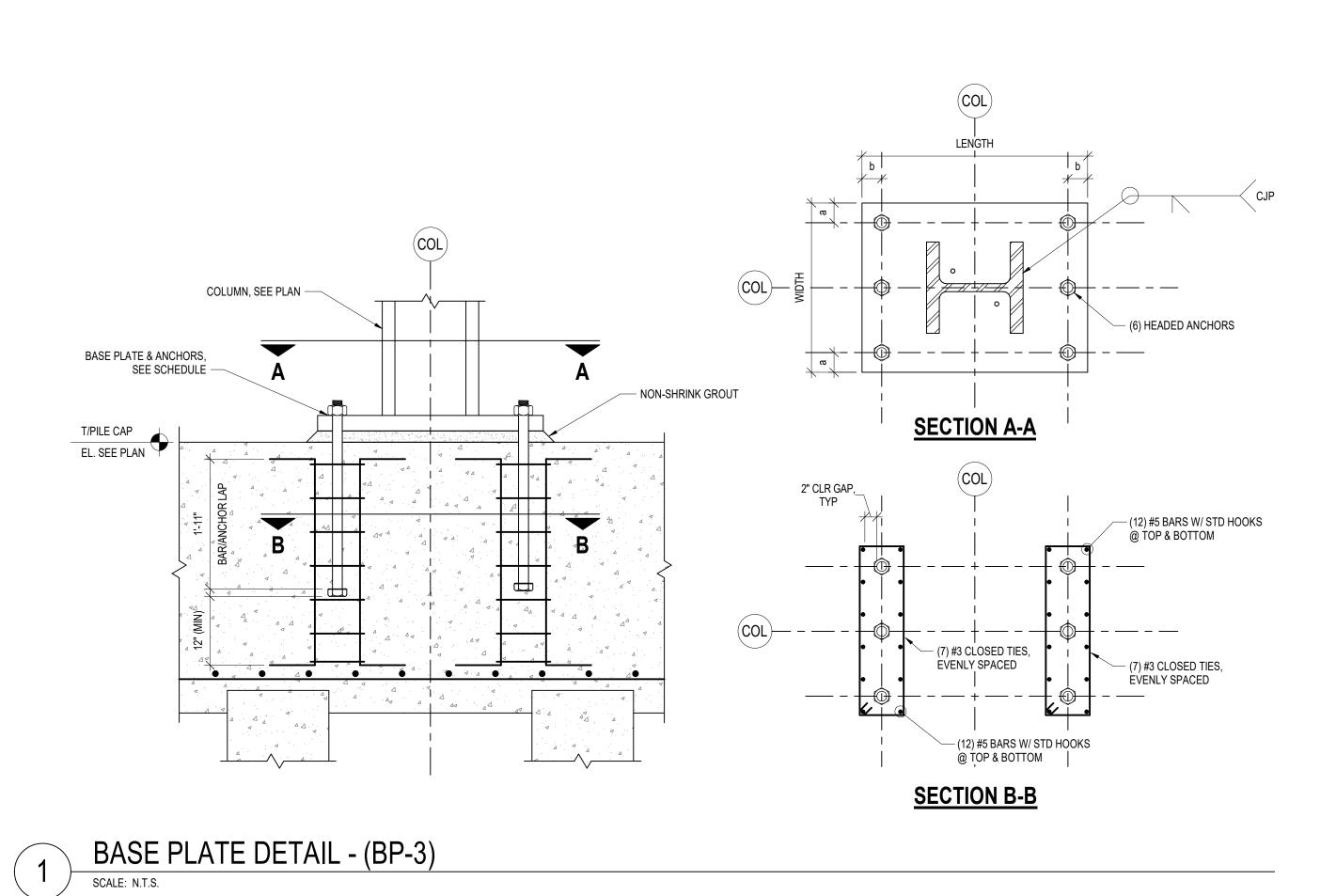
© 2025 RS&H, INC

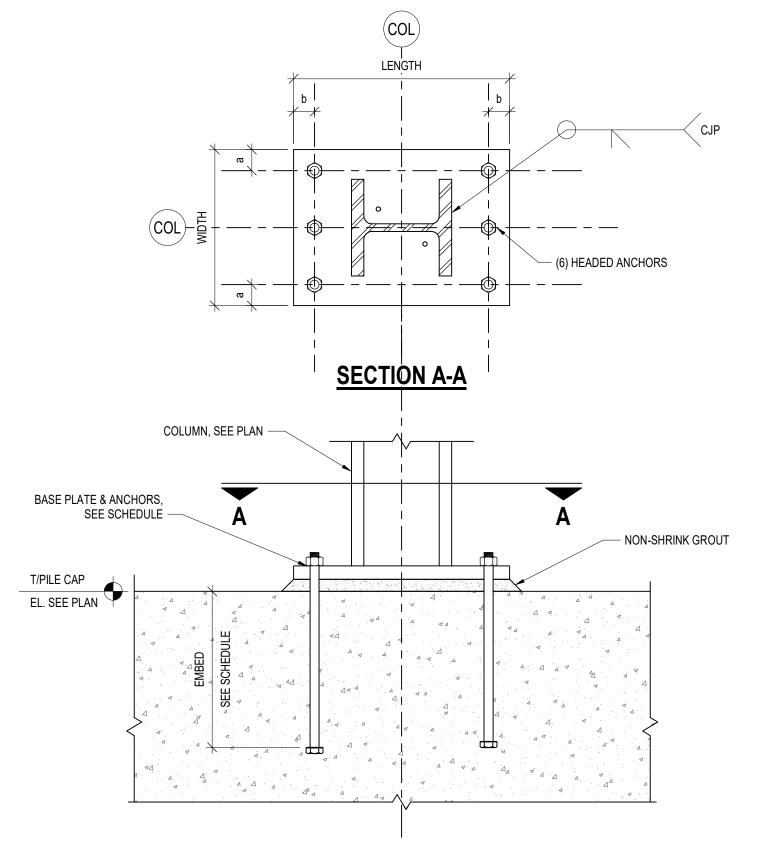
SHEET TITLE:

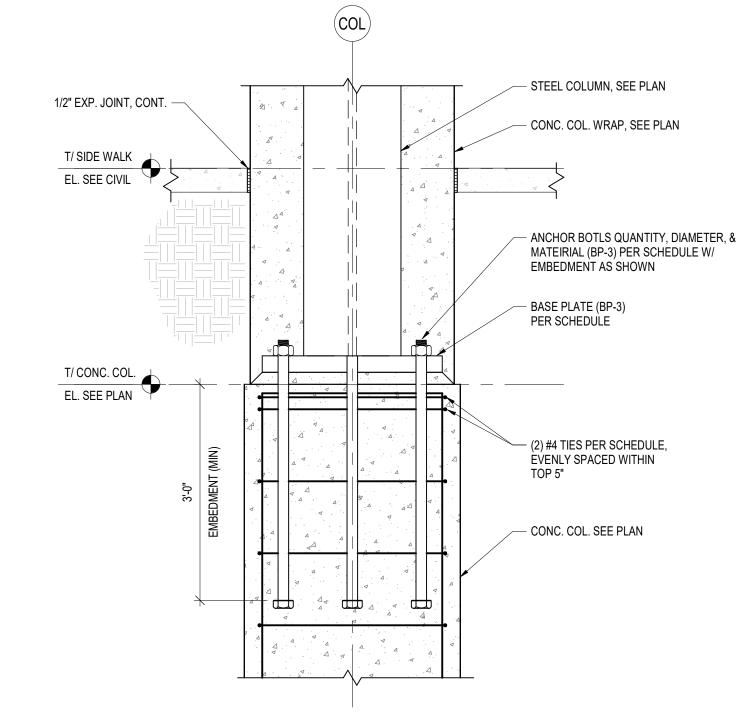
CANOPY FRAMING ELEVATIONS & DETAILS

SHEET ID:

PROJECT STATUS: 100% BID SET



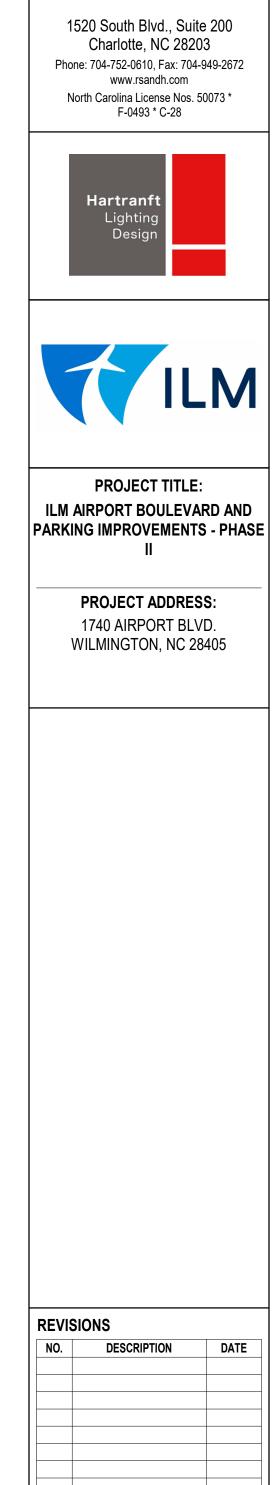






3 SECTION @ CANOPY COLUMN

SCALE: 3/4" = 1'-0"



REVISIONS

NO. DESCRIPTION DATE

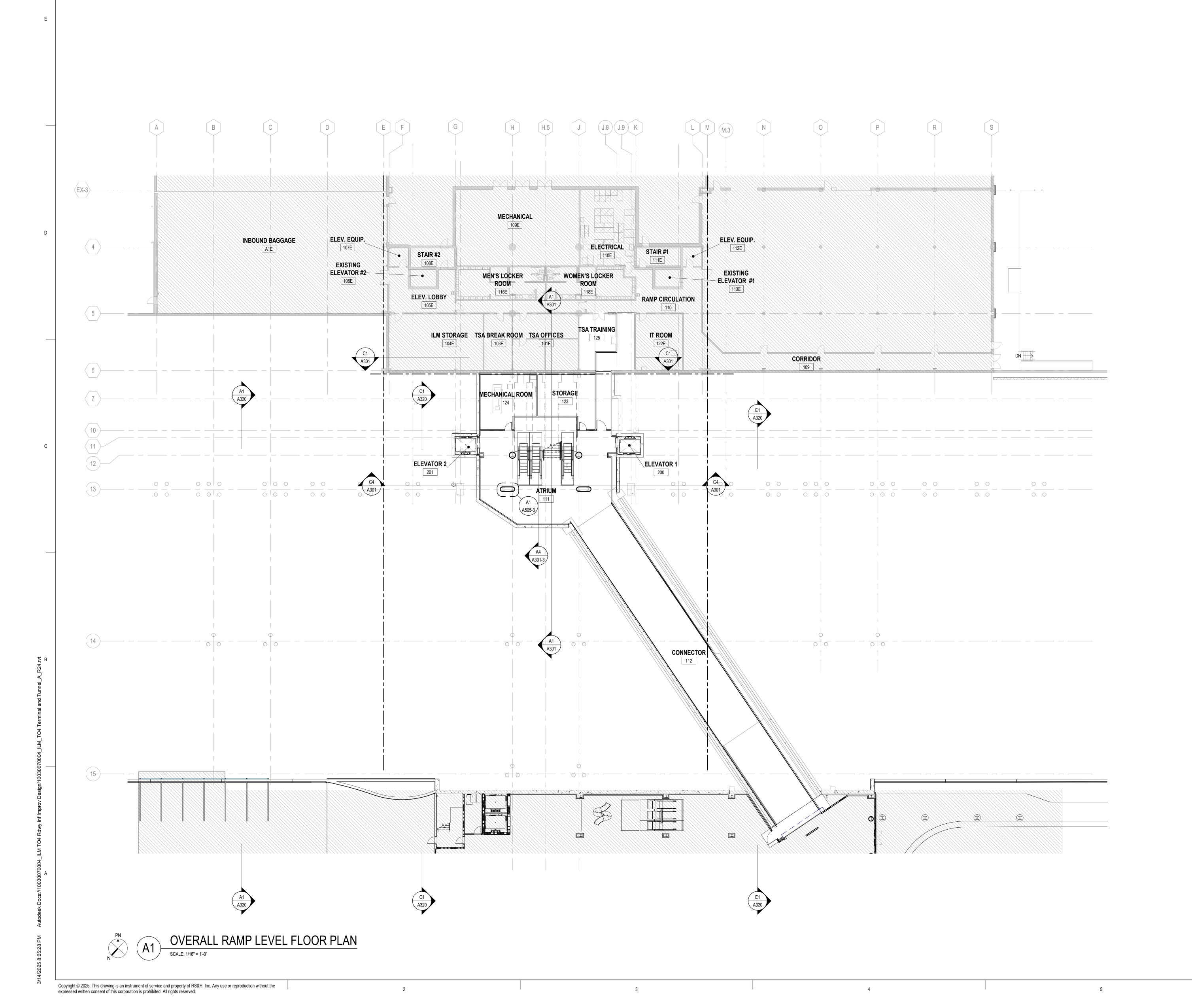
DATE ISSUED: 03/14/2025
REVIEWED BY: RLM
DRAWN BY: JFS
DESIGNED BY: JFS
PROJECT NUMBER:
2003-0070-006
© 2025 RS&H, INC

SEAL:

SHEET TITLE:
FOUNDATION

SHEET ID:

PROJECT STATUS: 100% BID SET





PARTITION LEGEND NON-RATED WALL SYSTEM PRECAST OR C.I.P. CONCRETE WALL SYSTEM CONCRETE MASONRY UNIT WALL SYSTEM EXISTING WALL SYSTEM TO REMAIN GLAZING TYPE - REFER TO SHEET A610.

NOTE: REFER TO PARTITION TAGS ON PLANS AND PARTITION TYPE DETAILS

NO WORK IN AREA, U.N.O. REFER TO VOLUME 1 PACKAGE BID ALTERNATE #1 (EXISTING RESTROOM RENOVATIONS) R3584583458458345845848 BID ALTERNATE #2 (EXISTING BOH CORRIDOR RENOVATIONS)

GENERAL SHEET NOTES

- 1. ALL EXTERIOR WALLS TO BE DIMENSIONED TO THE FACE OF SHEATHING OR CONCRETE U.N.O. 2. ALL INTERIOR WALLS TO BE DIMENSIONED TO THE FACE OF STUD U.N.O.
- 3. SEE ENLARGED PLANS FOR PARTITION TAGS NOT IDENTIFIED ON OVERALL FLOOR PLANS. 4. PROVIDE 5/8" WATER-RESISTANT GWB IN LIEU OF TYPICAL GWB AT ALL WET AREAS INCLUDING, BUT NOT LIMITED TO: A. RESTROOMS
- B. LOCKER ROOMS C. SHOWER AREAS D. JANITOR CLOSETS
- E. KITCHEN AREAS EXTEND SMOKE BARRIER PARTITION WALLS TO BOTTOM OF UPPER FLOOR STRUCTURE. 6. FIELD VERIFY ALL DIMENSIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 8. ALL PLYWOOD TO BE FIRE TREATED, U.N.O.
- DOOR FRAMES TO BE LOCATED 4" FROM CORNER OF WALL U.N.O. 10. FOR PLAN DETAILS, SEE SHEETS A501 AND A502.
- 11. FOR DOOR AND WINDOW DETAILS, SEE SHEETS A603, A604 AND A606. 12. FOR VERTICAL CIRCULATION DETAILS, SEE SHEET A511. 13. FOR SECTION DETAILS, SEE SHEETS A503 AND A504.

7. SEAL ALL PENETRATIONS ON EXTERIOR WALLS.

14. FOR COLUMN DETAILS, SEE SHEET A505.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com

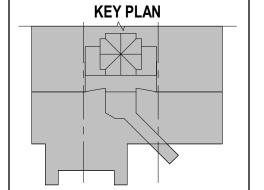
North Carolina License Nos. 50073 * F-0493 * C-28

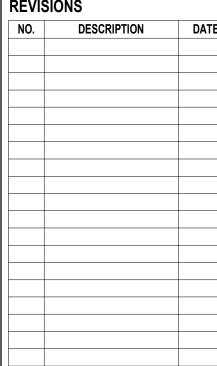


PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405



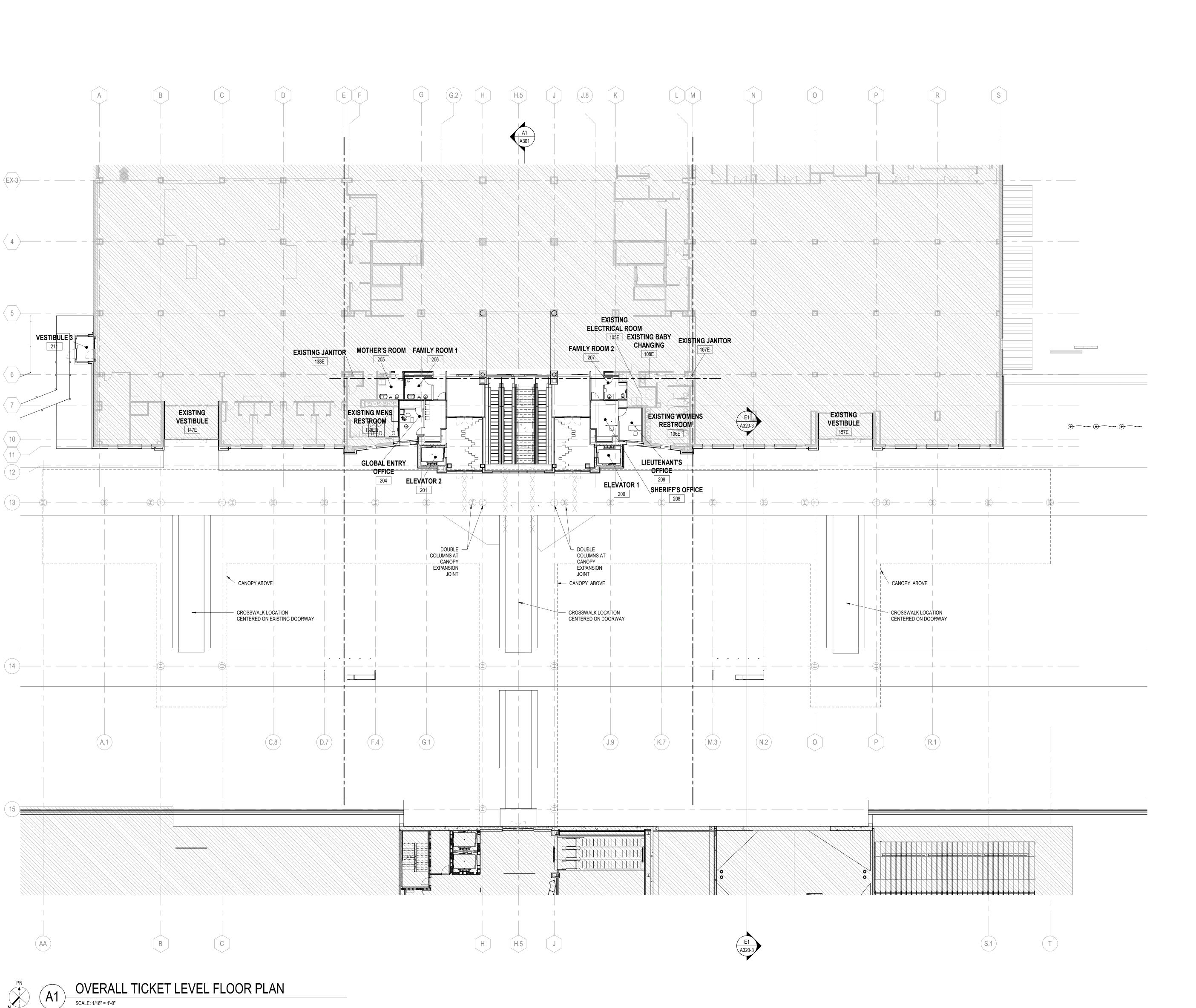


© 2025 RS&H, INC

SHEET TITLE: OVERALL RAMP LEVEL FLOOR PLAN

SHEET ID:

PROJECT STATUS: 100% BID SET



Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.



PARTITION LEGEND NON-RATED WALL SYSTEM PRECAST OR C.I.P. CONCRETE WALL SYSTEM CONCRETE MASONRY UNIT WALL SYSTEM EXISTING WALL SYSTEM TO REMAIN GLAZING TYPE - REFER TO SHEET A610.

NOTE: REFER TO PARTITION TAGS ON PLANS AND PARTITION TYPE DETAILS

NO WORK IN AREA, U.N.O. REFER TO VOLUME 1 PACKAGE

BID ALTERNATE #1 (EXISTING RESTROOM RENOVATIONS)

BID ALTERNATE #2 (EXISTING BOH CORRIDOR RENOVATIONS)

GENERAL SHEET NOTES

- . ALL EXTERIOR WALLS TO BE DIMENSIONED TO THE FACE OF SHEATHING OR CONCRETE U.N.O. 2. ALL INTERIOR WALLS TO BE DIMENSIONED TO THE FACE OF STUD U.N.O.
- 3. SEE ENLARGED PLANS FOR PARTITION TAGS NOT IDENTIFIED ON OVERALL FLOOR PLANS.
 4. PROVIDE 5/8" WATER-RESISTANT GWB IN LIEU OF TYPICAL GWB AT ALL WET AREAS INCLUDING,
- BUT NOT LIMITED TO: A. RESTROOMS
- B. LOCKER ROOMS C. SHOWER AREAS
- D. JANITOR CLOSETS E. KITCHEN AREAS
- 5. EXTEND SMOKE BARRIER PARTITION WALLS TO BOTTOM OF UPPER FLOOR STRUCTURE. 6. FIELD VERIFY ALL DIMENSIONS, REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR
- CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION. 7. SEAL ALL PENETRATIONS ON EXTERIOR WALLS.
- 8. ALL PLYWOOD TO BE FIRE TREATED, U.N.O.
- 9. DOOR FRAMES TO BE LOCATED 4" FROM CORNER OF WALL U.N.O. 10. FOR PLAN DETAILS, SEE SHEETS A501 AND A502.
- 11. FOR DOOR AND WINDOW DETAILS, SEE SHEETS A603, A604 AND A606.
- 12. FOR VERTICAL CIRCULATION DETAILS, SEE SHEET A511. 13. FOR SECTION DETAILS, SEE SHEETS A503 AND A504.
- 14. FOR COLUMN DETAILS, SEE SHEET A505.

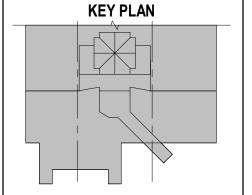
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672

www.rsandh.com

North Carolina License Nos. 50073 * F-0493 * C-28

PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



REVISIONS



DATE ISSUED: 03/14/2025 REVIEWED BY:

DESIGNED BY:

PROJECT NUMBER: © 2025 RS&H, INC

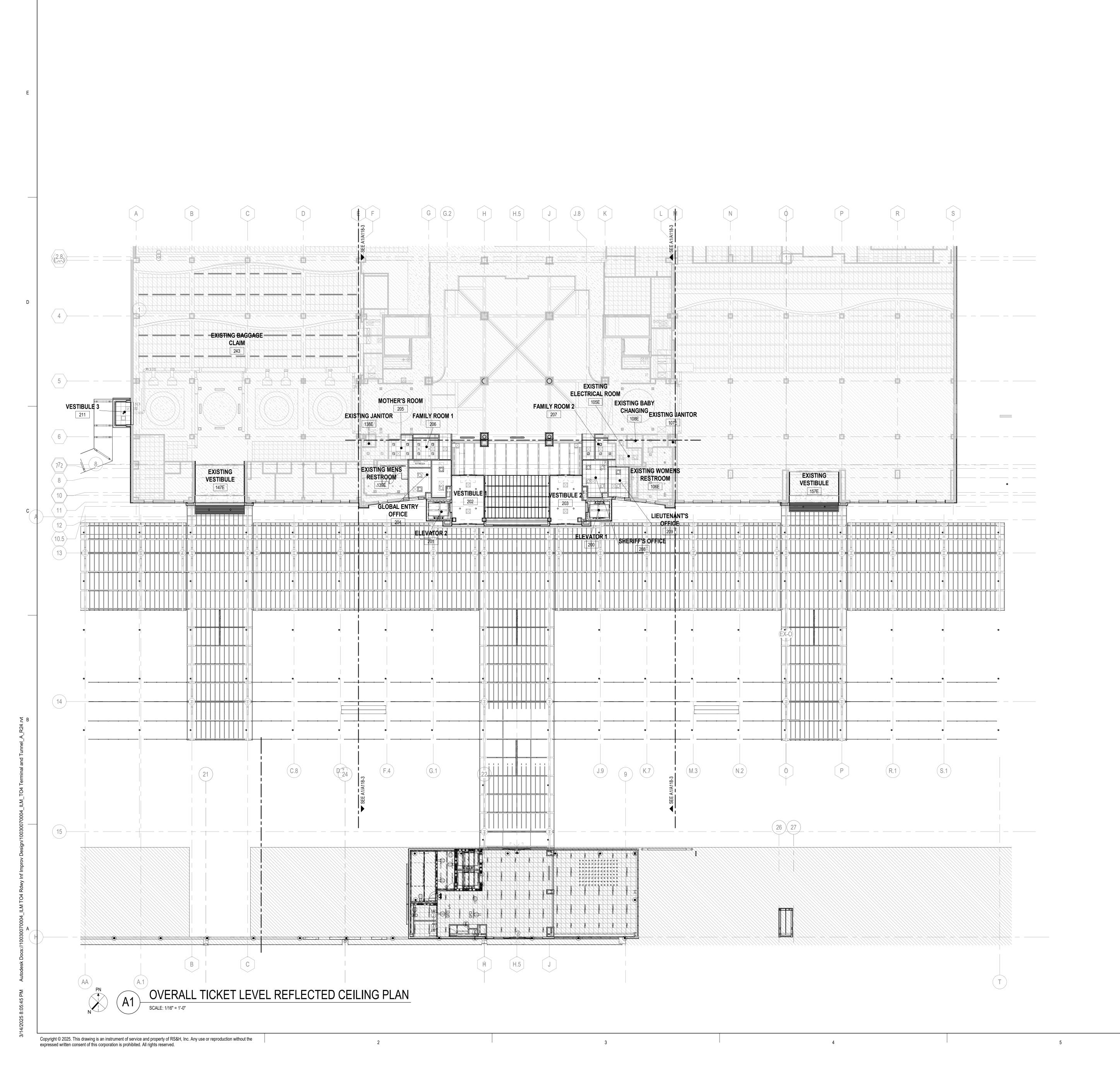
SHEET TITLE: OVERALL TICKET LEVEL FLOOR PLAN

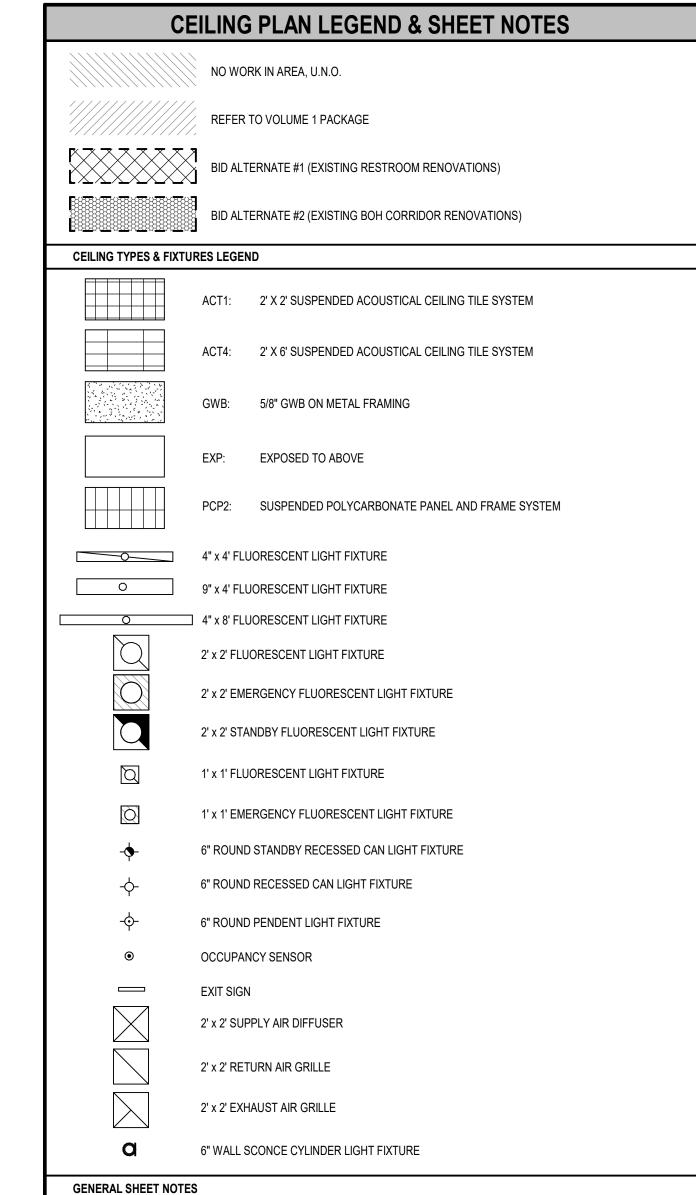
SHEET ID:

A106-3

SCALE: 1/16" = 1'-0"

PROJECT STATUS: 100% BID SET





- 1. DEVICES HAVE BEEN SHOWN FOR COORDINATION PURPOSES. SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ITEMS NOT SHOWN ON REFLECTED CEILING PLANS. CONTACT THE ARCHITECT IF ANY CONFLICTS OCCUR.
- 2. ALL CEILING MOUNTED DEVICES MUST BE CENTERED IN BOTH DIRECTIONS IN ACOUSTICAL CEILING PANELS U.N.O.
- 3. CENTER SPRINKLER HEADS IN ACOUSTICAL. CEILING PANELS WHERE THEY OCCUR. COORDINATE THE LOCATION OF THE SPRINKLER HEADS WITH OTHER CEILING FIXTURES AND EQUIPMENT IN ALL CEILINGS. ENSURE THAT A SYMMETRICAL AND BALANCED ARRANGEMENT IS INSTALLED. CONTRACTING OFFICER IS TO REVIEW INSTANCES OF NON-EQUAL SPACING PRIOR TO INSTALLATION.
- 4. ALL NEW GYP. SOFFITS TO BE 5/8" TYPE "X" GYP, U.N.O.

PAINTED TO MATCH ADJACENT SURFACES.

- 5. PROVIDE 5/8" MOISTURE-RESISTANT GWB FOR CEILINGS IN LIEU OF TYPICAL GWB AT ALL WET AREAS INCLUDING, BUT NOT LIMITED TO RESTROOMS, JANITOR CLOSETS AND KITCHEN AREAS.
- 6. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO PLUMBING VALUES AND MECHANICAL DAMPER BALANCE CONTROLS. COORDINATE ALL LOCATIONS WITH TRADES AND ARCHITECT, TYP. ALL ACCESS PANELS TO BE

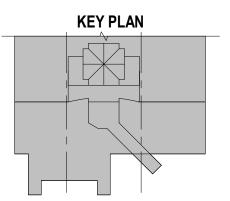
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28



PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD.

> WILMINGTON, NC 28405



REVISIONS

NO. DESCRIPTION DATE

DRAWN BY: DESIGNED BY: PROJECT NUMBER:

DATE ISSUED:

REVIEWED BY:

1003-0070-004 © 2025 RS&H, INC

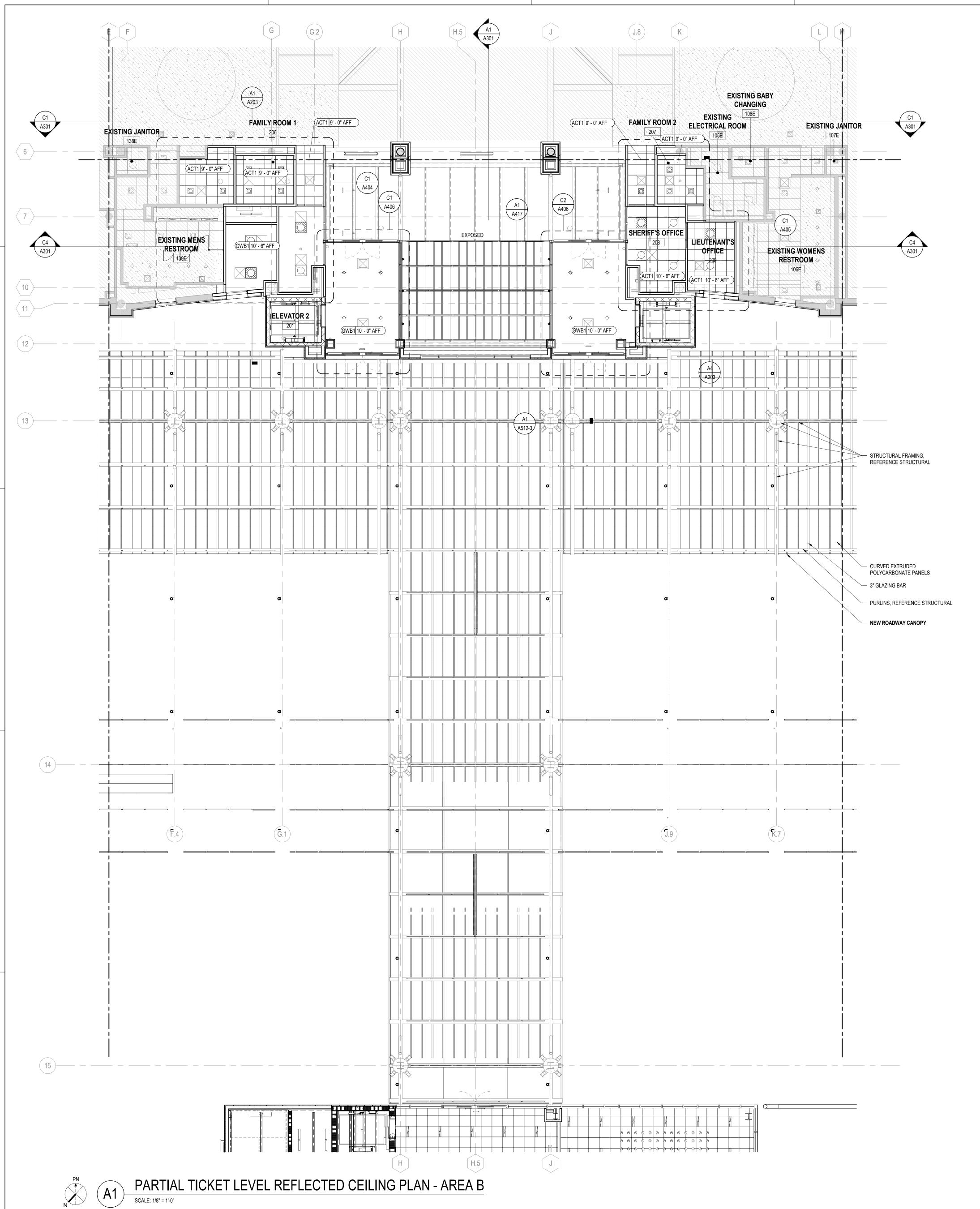
03/14/2025

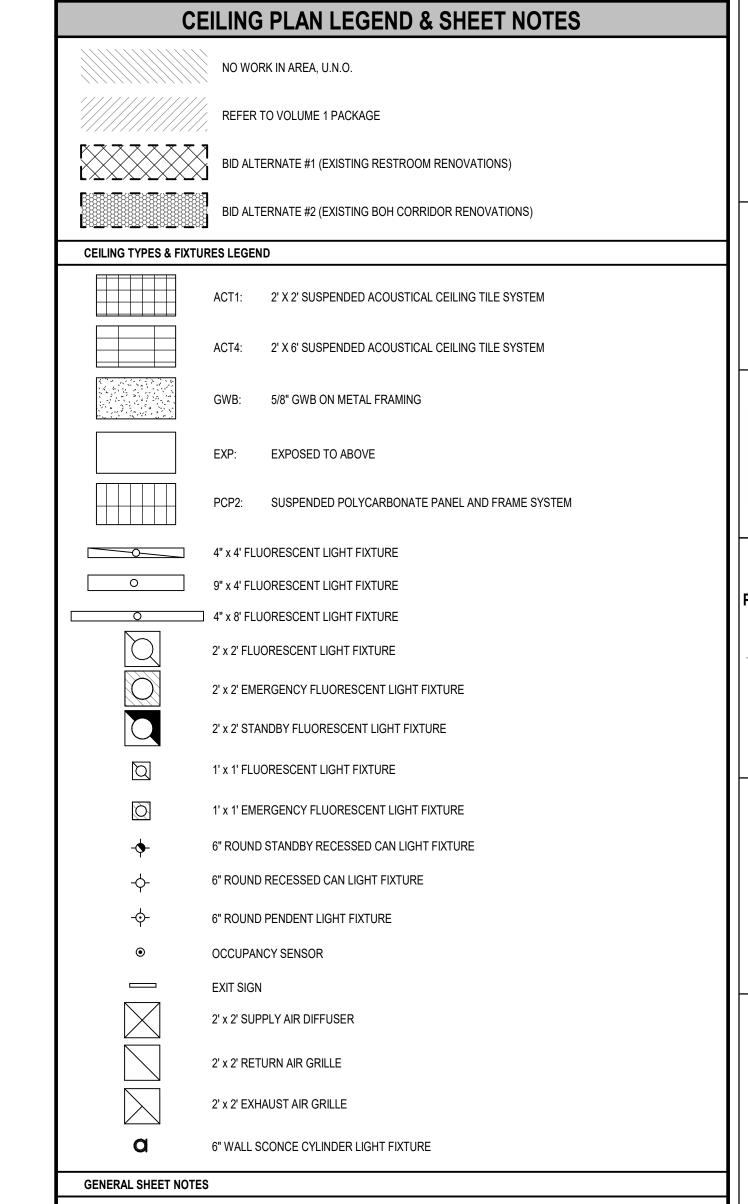
SHEET TITLE:

OVERALL TICKET LEVEL REFLECTED **CEILING PLAN**

SHEET ID:

PROJECT STATUS: 100% BID SET





- . DEVICES HAVE BEEN SHOWN FOR COORDINATION PURPOSES. SEE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR ITEMS NOT SHOWN ON REFLECTED CEILING PLANS. CONTACT THE ARCHITECT IF ANY
- 2. ALL CEILING MOUNTED DEVICES MUST BE CENTERED IN BOTH DIRECTIONS IN ACOUSTICAL CEILING PANELS U.N.O. 3. CENTER SPRINKLER HEADS IN ACOUSTICAL. CEILING PANELS WHERE THEY OCCUR. COORDINATE THE LOCATION OF THE SPRINKLER HEADS WITH OTHER CEILING FIXTURES AND EQUIPMENT IN ALL CEILINGS. ENSURE THAT A SYMMETRICAL AND BALANCED ARRANGEMENT IS INSTALLED. CONTRACTING OFFICER IS TO REVIEW INSTANCES OF
- 4. ALL NEW GYP. SOFFITS TO BE 5/8" TYPE "X" GYP, U.N.O.

NON-EQUAL SPACING PRIOR TO INSTALLATION.

- 5. PROVIDE 5/8" MOISTURE-RESISTANT GWB FOR CEILINGS IN LIEU OF TYPICAL GWB AT ALL WET AREAS INCLUDING, BUT NOT LIMITED TO RESTROOMS, JANITOR CLOSETS AND KITCHEN AREAS.
- 6. PROVIDE ACCESS PANELS AS REQUIRED FOR ACCESS TO PLUMBING VALUES AND MECHANICAL DAMPER BALANCE CONTROLS. COORDINATE ALL LOCATIONS WITH TRADES AND ARCHITECT, TYP. ALL ACCESS PANELS TO BE PAINTED TO MATCH ADJACENT SURFACES.

Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28 PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405 **KEY PLAN**

> REVISIONS NO. DESCRIPTION DATE

REVIEWED BY: DRAWN BY: **DESIGNED BY:** PROJECT NUMBER:

DATE ISSUED:

1003-0070-004 © 2025 RS&H, INC

03/14/2025

SHEET TITLE:

PARTIAL TICKET **CEILING PLAN - AREA**

SHEET ID:

PROJECT STATUS: 100% BID SET

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

GENERAL ROOF NOTES NETRATIONS REQUIRED FOR INSTALLATION OF MECHANICAL

- 1. ALL ROOF PENETRATIONS REQUIRED FOR INSTALLATION OF MECHANICAL UNITS, EQUIPMENT CURBS, VENTS, ETC. MUST BE DONE PER MANUFACTURER'S RECOMMENDATIONS TO ENSURE ALL WARRANTIES ARE MAINTAINED. PROVIDE FLASHING, COUNTERFLASHING, SEALANT, ETC. AS REQUIRED TO PROVIDE WATERPROOF CONDITION, TYPICAL AT ALL ROOF PENETRATIONS.

 2. EOR ROOF DETAILS. SEE SHEETS A551 AND A552.
- REQUIRED TO PROVIDE WATERPROOF CONDITION, TYPICAL AT ALL ROOF
 FOR ROOF DETAILS, SEE SHEETS A551 AND A552.
 FOR DOOR AND WINDOW DETAILS, SEE SHEETS A602, A603 AND A606.
- FOR DOOR AND WINDOW DETAILS, SEE SHEETS A002, A004.
 FOR COLUMN DETAILS, SEE SHEET A505.
 FOR SECTION DETAILS, SEE SHEETS A503 AND A504.

6. FOR ROADWAY CANOPY PLAN DETAILS, SEE SHEET A512.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 *

F-0493 * C-28



PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405

KEY PLAN

REVISIONS

NO. DESCRIPTION DAT

 DATE ISSUED:
 03/14/2025

 REVIEWED BY:
 SG

 DRAWN BY:
 TP

 DESIGNED BY:
 FG

PROJECT NUMBER:

1003-0070-004
© 2025 RS&H, INC

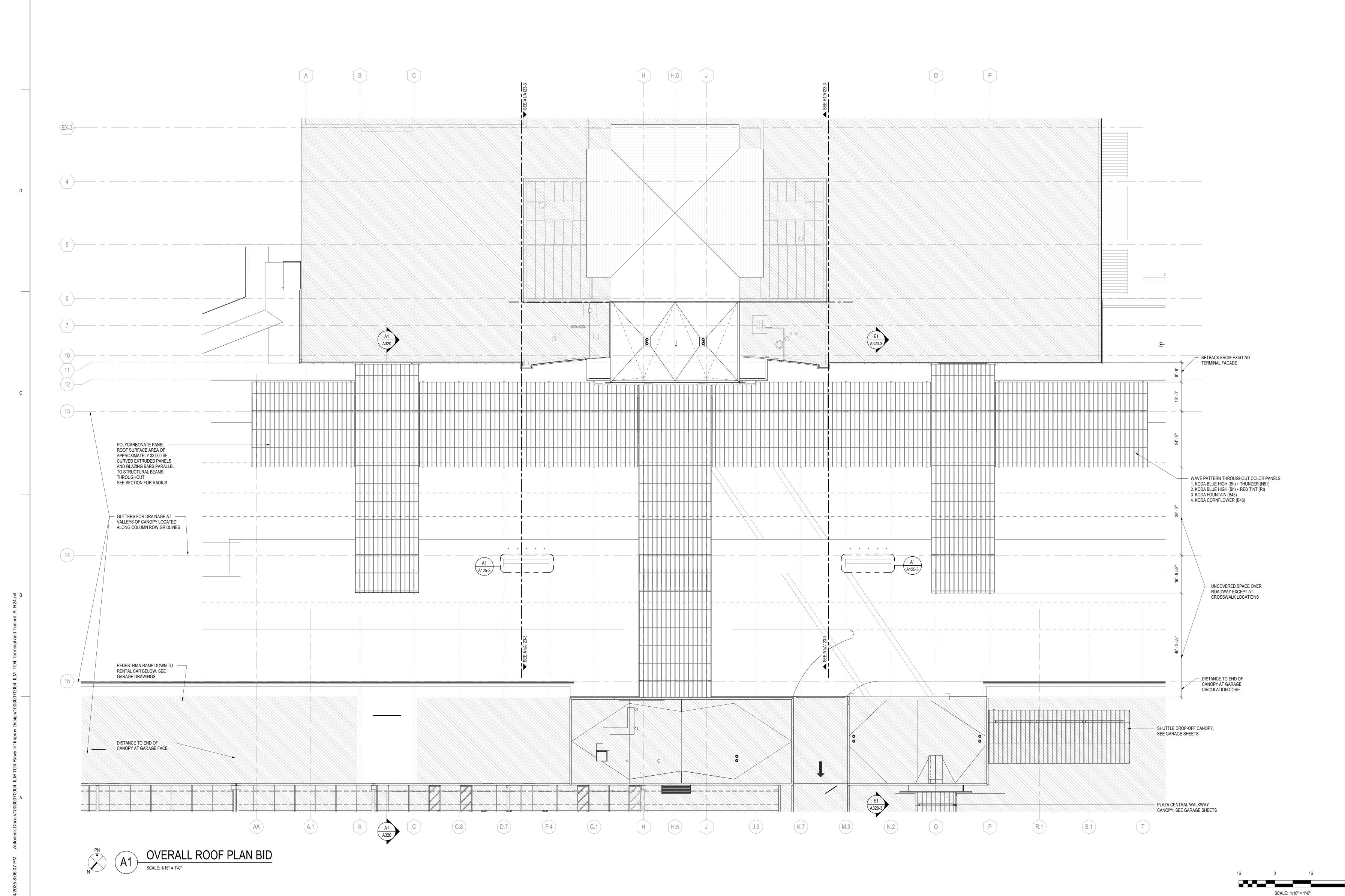
toreching the truction

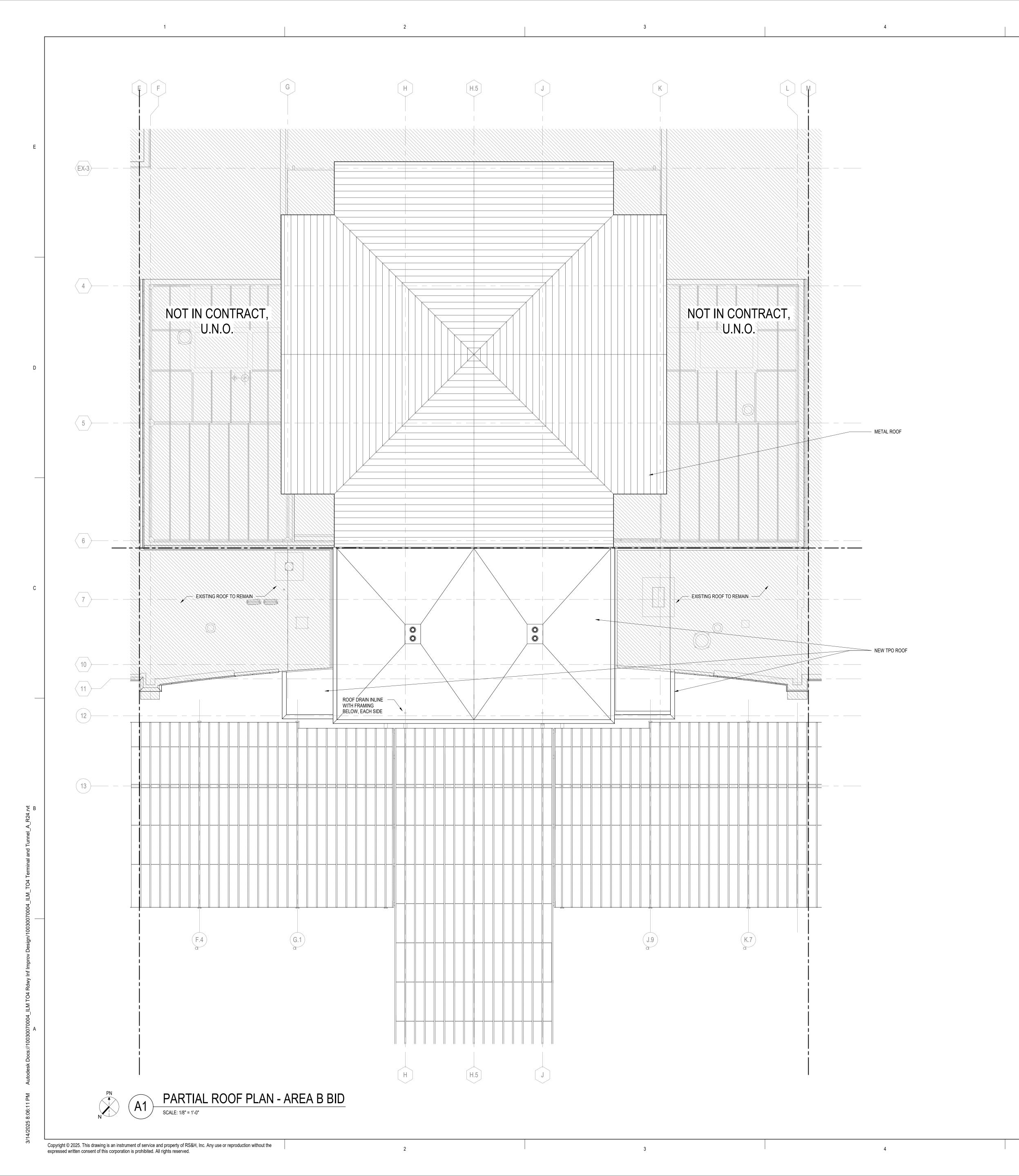
SHEET TITLE:

SHEET ID:

A121-3

PROJECT STATUS: 100% BID SET





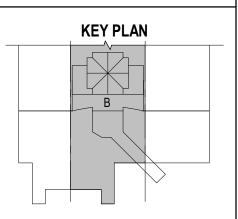
GENERAL ROOF NOTES

- ALL ROOF PENETRATIONS REQUIRED FOR INSTALLATION OF MECHANICAL UNITS, EQUIPMENT CURBS, VENTS, ETC. MUST BE DONE PER MANUFACTURER'S RECOMMENDATIONS TO ENSURE ALL WARRANTIES ARE MAINTAINED. PROVIDE FLASHING, COUNTERFLASHING, SEALANT, ETC. AS REQUIRED TO PROVIDE WATERPROOF CONDITION, TYPICAL AT ALL ROOF PENETRATIONS.
 FOR ROOF DETAILS, SEE SHEETS A551 AND A552.
 FOR DOOR AND WINDOW DETAILS, SEE SHEETS A602, A603 AND A606.
 FOR COLUMN DETAILS, SEE SHEET A505.
 FOR SECTION DETAILS, SEE SHEETS A503 AND A504.
 FOR ROADWAY CANOPY PLAN DETAILS, SEE SHEET A512. 1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28



PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



REVISIONS

NO. DESCRIPTION

PROJECT NUMBER: © 2025 RS&H, INC

SHEET TITLE:

PARTIAL ROOF PLAN -AREA B

SHEET ID:

PROJECT STATUS: 100% BID SET

BASIS OF DESIGN

1. BUS SHELTER - ENGO SMART SOLAR BUS SHETER

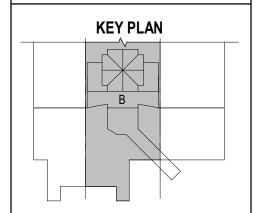
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com

> North Carolina License Nos. 50073 * F-0493 * C-28



PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



REVISIONS

DATE ISSUED:

REVIEWED BY:

DESIGNED BY: PROJECT NUMBER:

> 1003-0070-004 © 2025 RS&H, INC

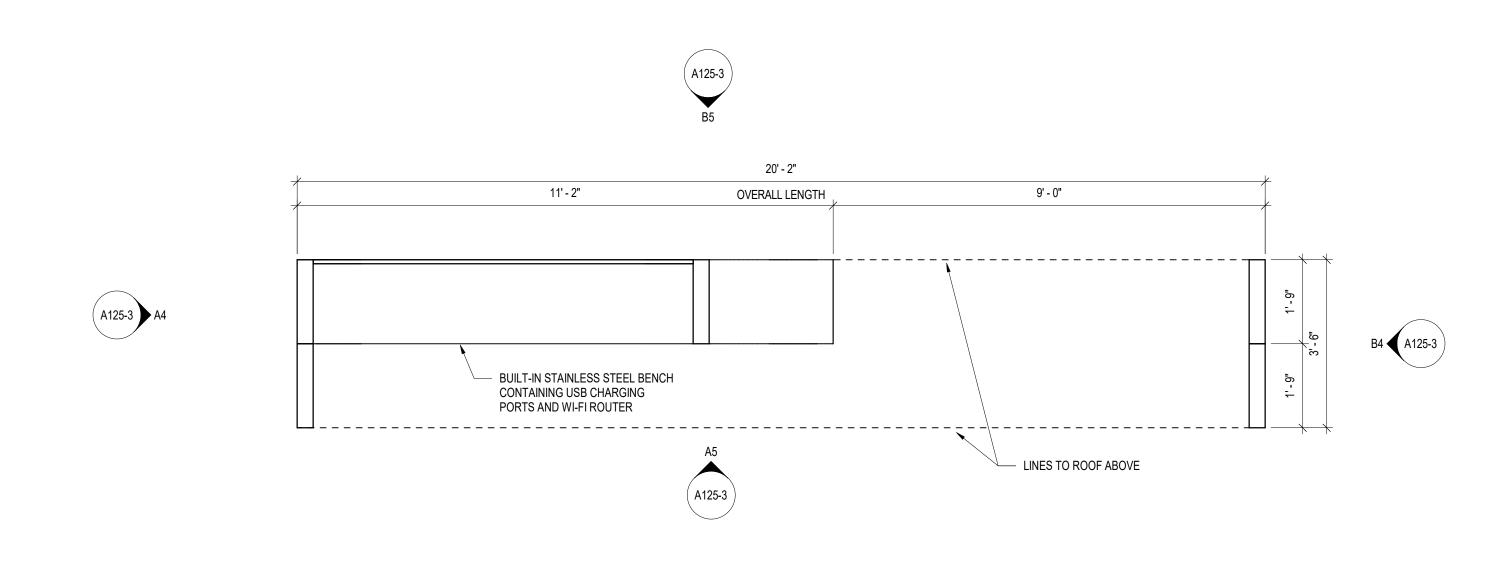
SHEET TITLE:

BUS SHELTER FLOOR AND ROOF PLANS, AND ELEVATIONS

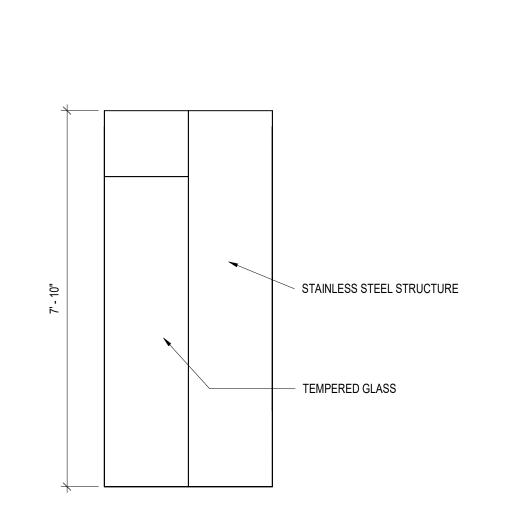
SHEET ID:

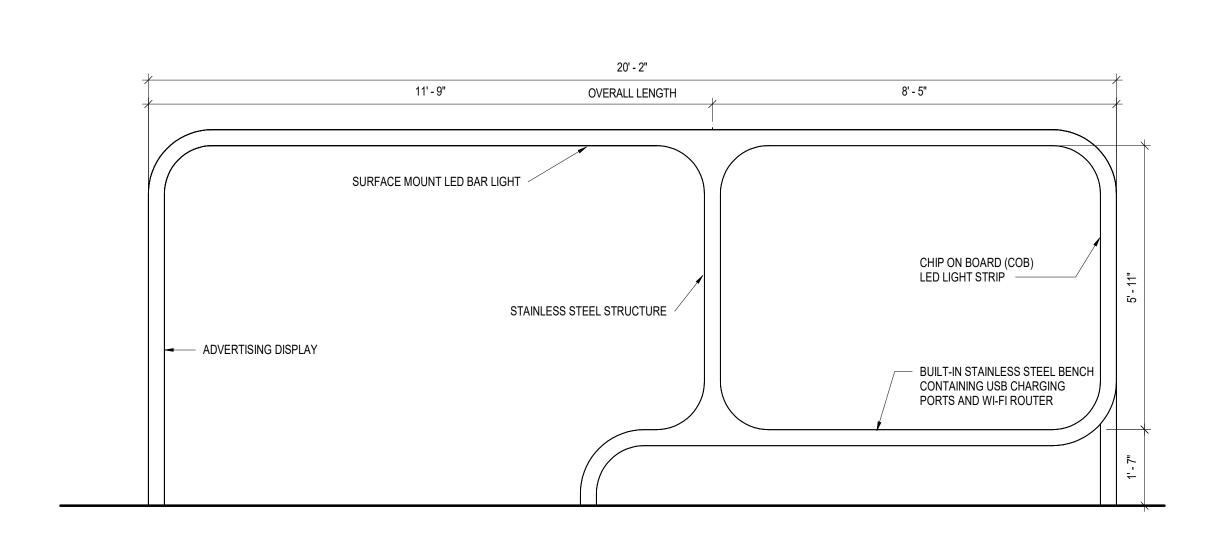
03/14/2025

NO. DESCRIPTION DATE

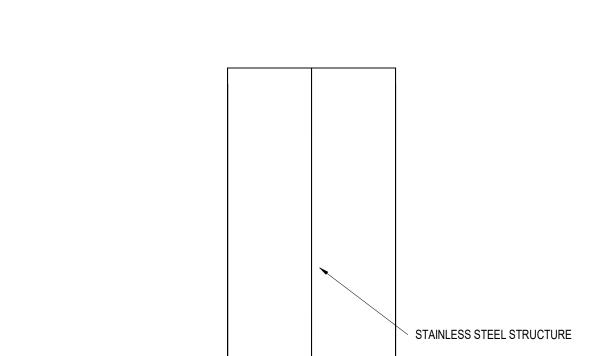


 MONOCRYSTALLINE SOLAR PANEL WITH TEMPERED GLASS SEALING MATERIAL ON THE FRONT, PET/TPT ON THE BACK. -

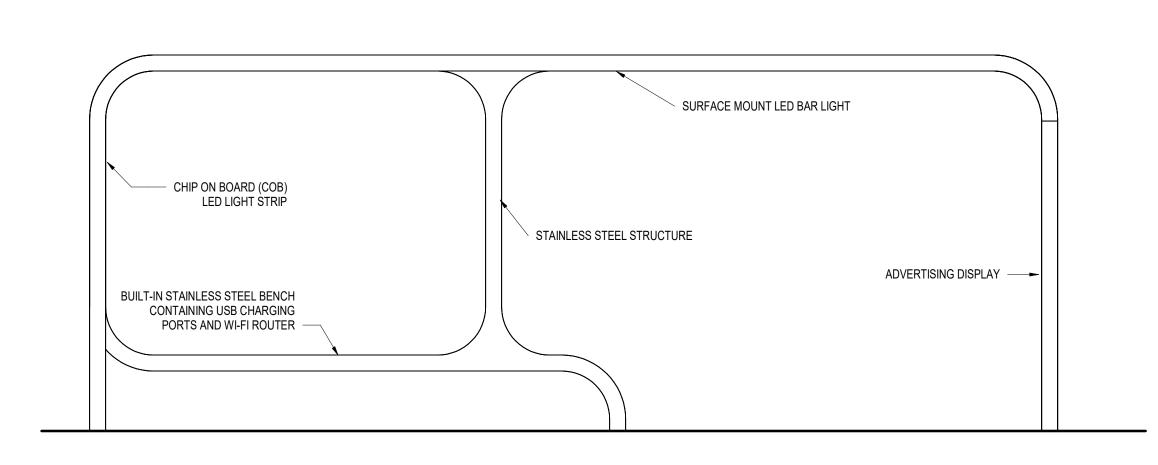












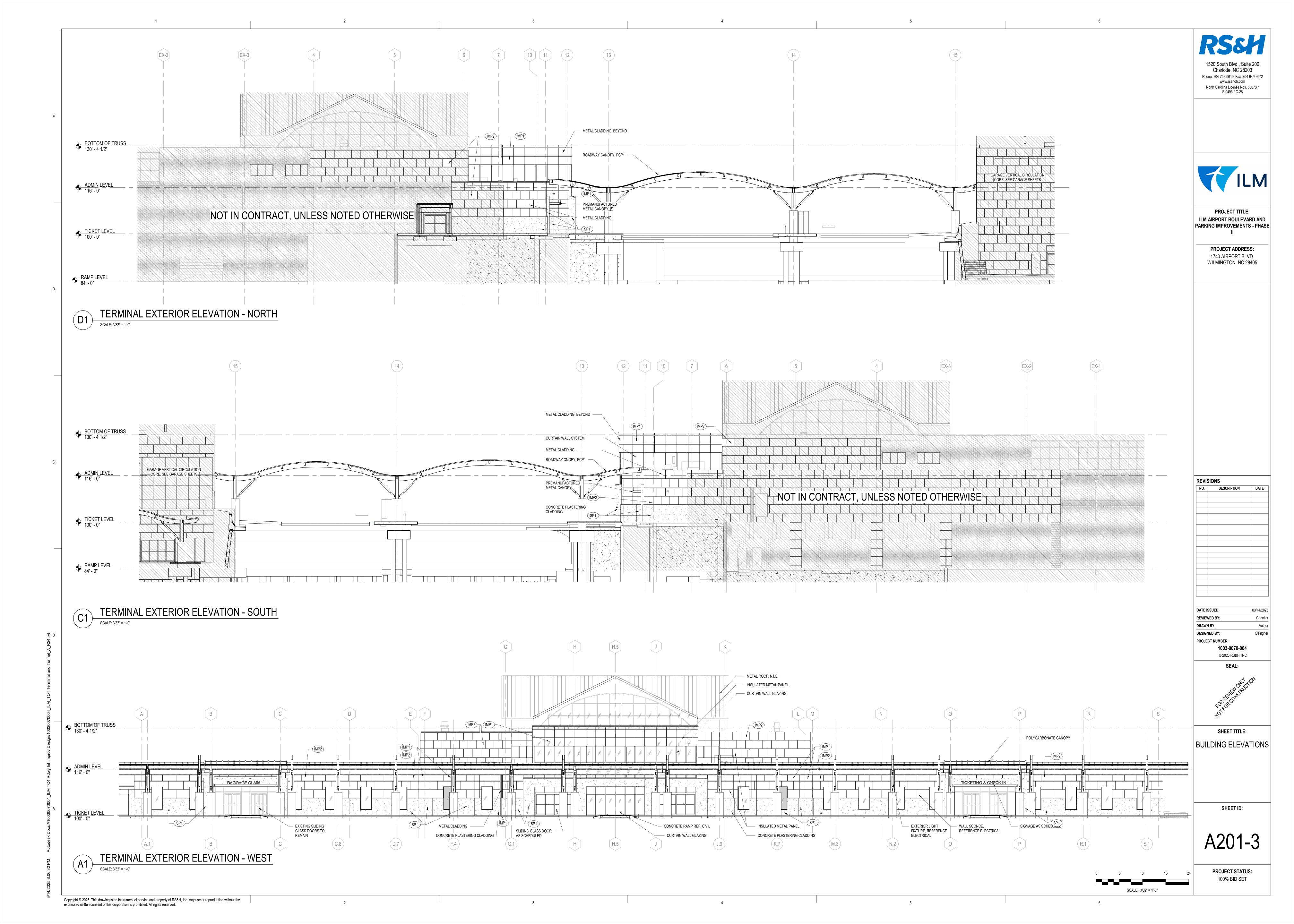






PROJECT STATUS: 100% BID SET

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.



A4 TERMINAL BUILDING SECTION

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

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28



PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



DATE ISSUED:

REVIEWED BY:

DRAWN BY:

DESIGNED BY:

PROJECT NUMBER:

1003-0070-004
© 2025 RS&H, INC

© 2025 RS&H, INC

03/14/2025

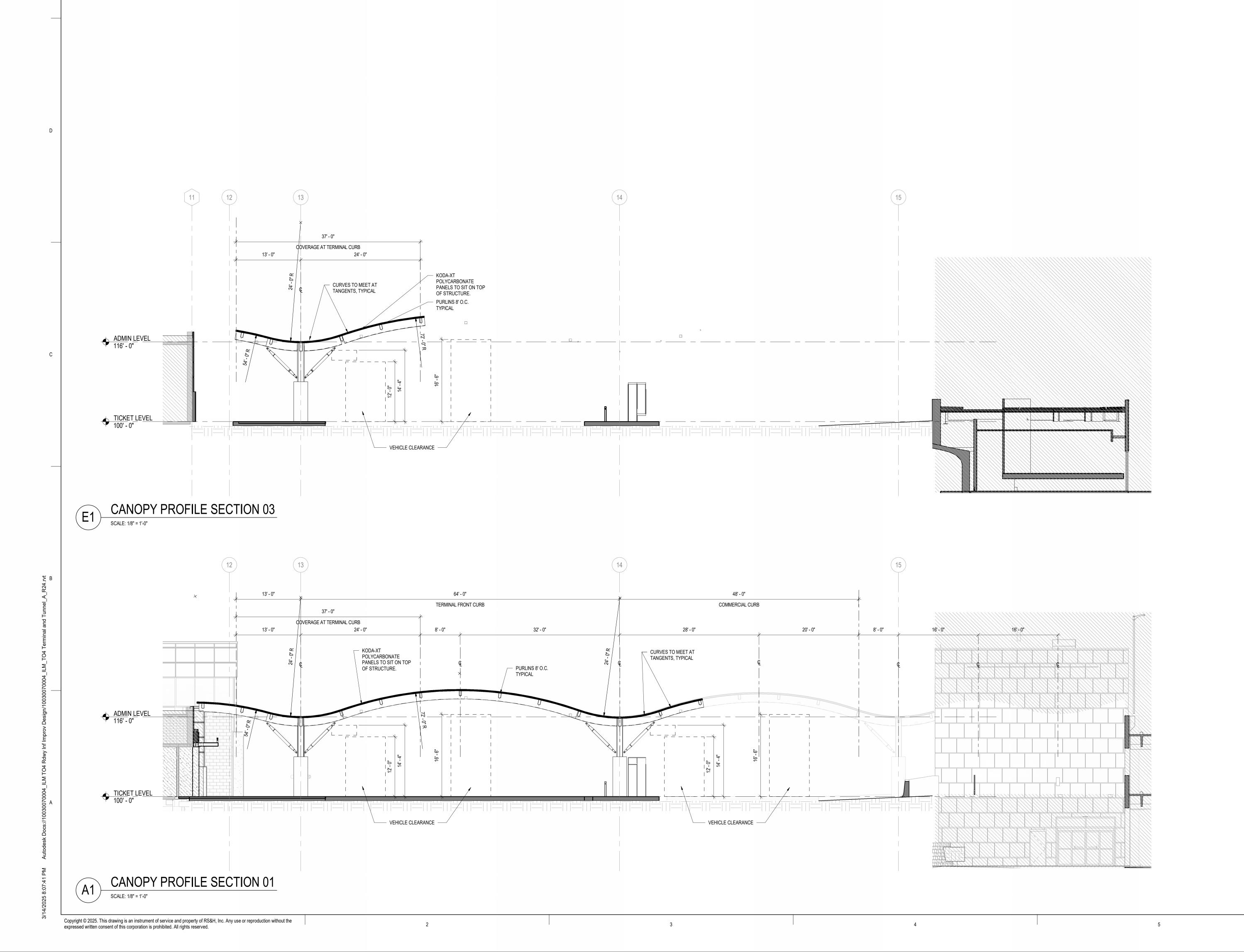
to REVIEW ONLY TON

SHEET TITLE:
BUILDING SECTIONS

SHEET ID:

A301-3

PROJECT STATUS: 100% BID SET



GENERAL NOTES

- 1. DO NOT SCALE DIMENSIONS FROM DRAWINGS THE CONTRACTOR MUST REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS FROM THE ARCHITECT.
- 2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED. IF ANY DEVIATIONS OR DISCREPANCIES OCCUR, CONTACT THE ARCHITECT FOR VERIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- 3. THE CFMF & PLYWOOD SURFACE SHALL BE PLUMB & FLAT WITHIN +/- 1/8".
- 4. PLYWOOD SHALL EXTEND THE ENTIRETY OF THE VIDEO WALL SURFACE.
- 5. PROTECT THE TRANSITION STRIPS WHEN GRINDING TERRAZZO TO POLISH FINISH WITH PROTECTION
- 6. ALL EXPOSED PRIMARY STEEL TO BE 2 HR FIRE RATED.

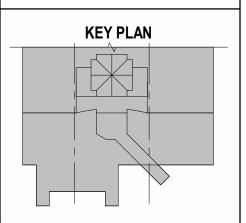
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

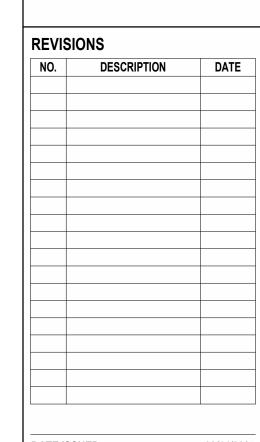


PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





DATE ISSUED:

REVIEWED BY:

DRAWN BY:

DESIGNED BY:

PROJECT NUMBER: 1003-0070-004 © 2025 RS&H, INC

tor REVIEW ONLY TON

SHEET TITLE:
CANOPY SECTIONS

1220 2

SHEET ID:

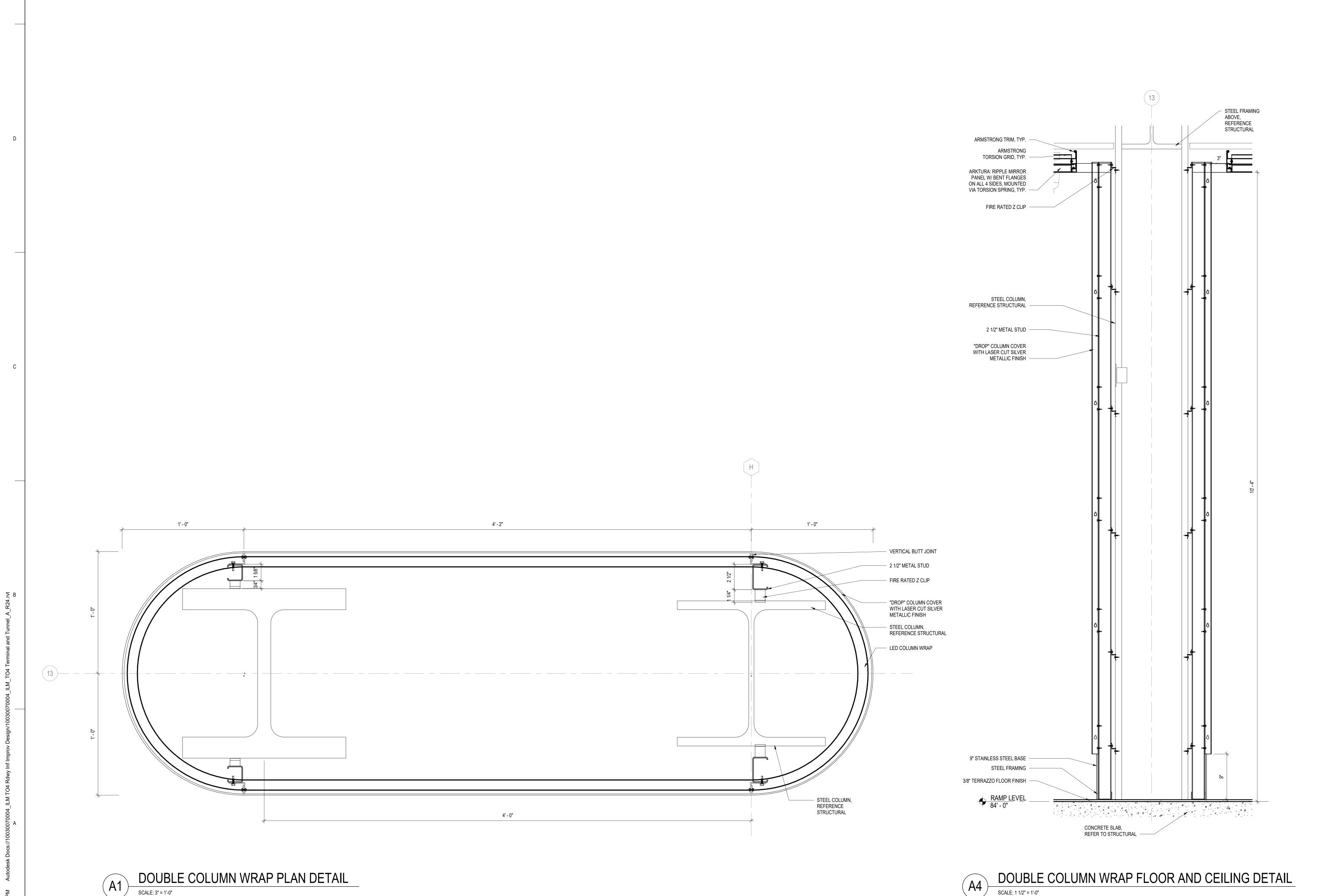
PROJECT STATUS: 100% BID SET

0 16 32

SCALE: 1/16" = 1'-0"

0 8 16

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



Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.





PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405

REVISIONS

NO. DESCRIPTION DATE

DATE ISSUED: 03/14/2025 REVIEWED BY: DESIGNED BY:

PROJECT NUMBER: 1003-0070-004 © 2025 RS&H, INC

SHEET TITLE: **COLUMN DETAILS**

SHEET ID:

PROJECT STATUS: 100% BID SET

SCALE: 3" = 1'-0" SCALE: 1 1/2"= 1'-0"

GENERAL NOTES

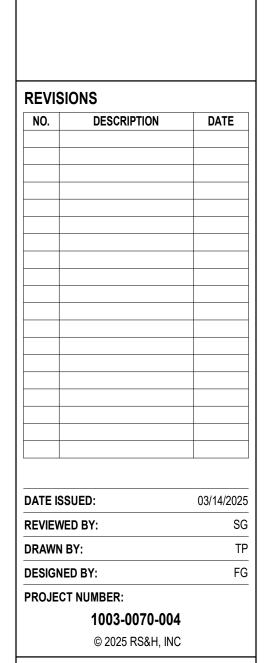
- 1. DO NOT SCALE DIMENSIONS FROM DRAWINGS THE CONTRACTOR MUST REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS FROM THE ARCHITECT.
- 2. ALL DIMENSIONS ARE TO BE FIELD VERIFIED. IF ANY DEVIATIONS OR DISCREPANCIES OCCUR, CONTACT THE ARCHITECT FOR VERIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- 3. THE CFMF & PLYWOOD SURFACE SHALL BE PLUMB & FLAT WITHIN +/- 1/8".
- 4. PLYWOOD SHALL EXTEND THE ENTIRETY OF THE VIDEO WALL SURFACE.
- 5. PROTECT THE TRANSITION STRIPS WHEN GRINDING TERRAZZO TO POLISH FINISH WITH PROTECTION
- 6. ALL EXPOSED PRIMARY STEEL TO BE 2 HR FIRE RATED.

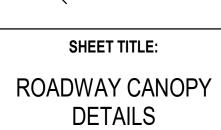




PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



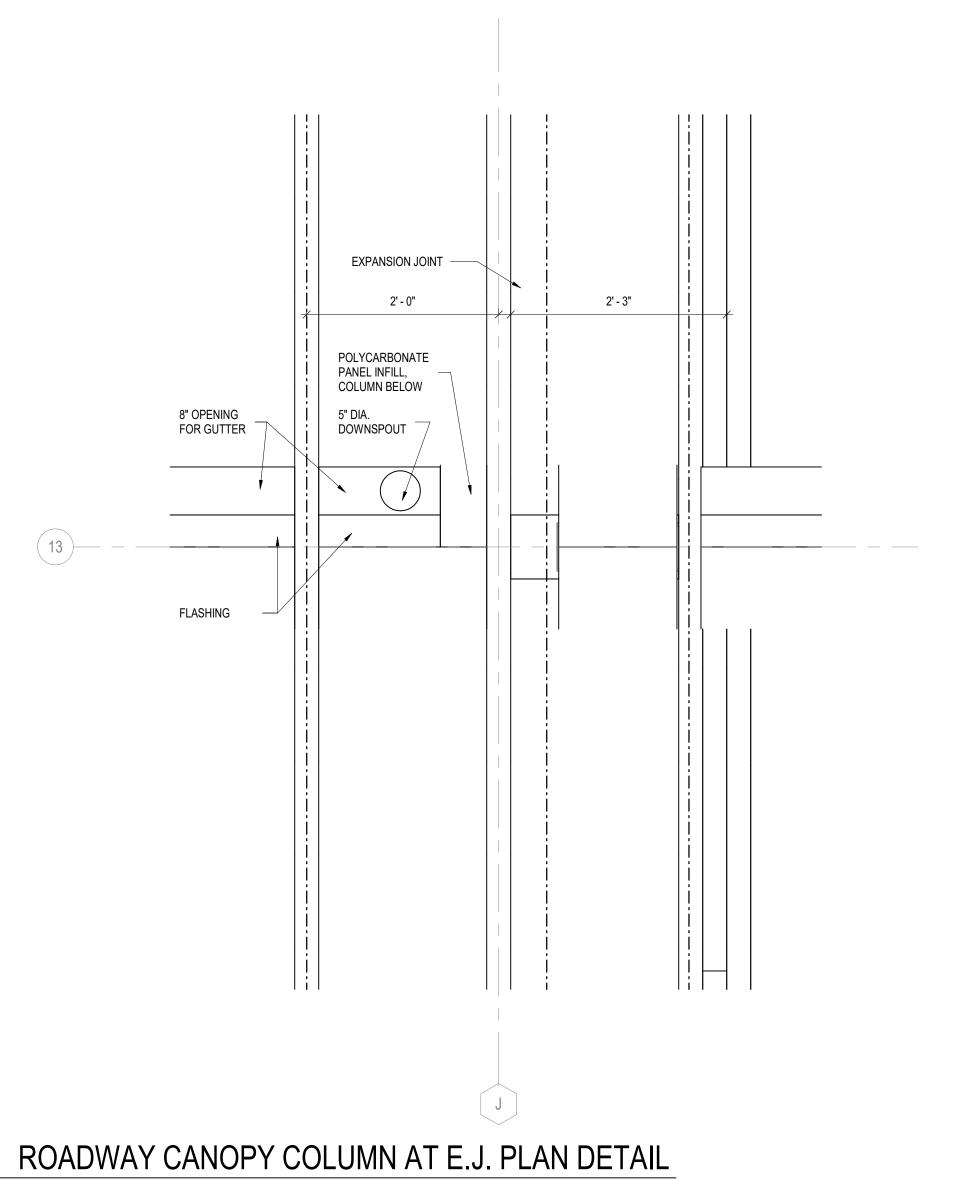


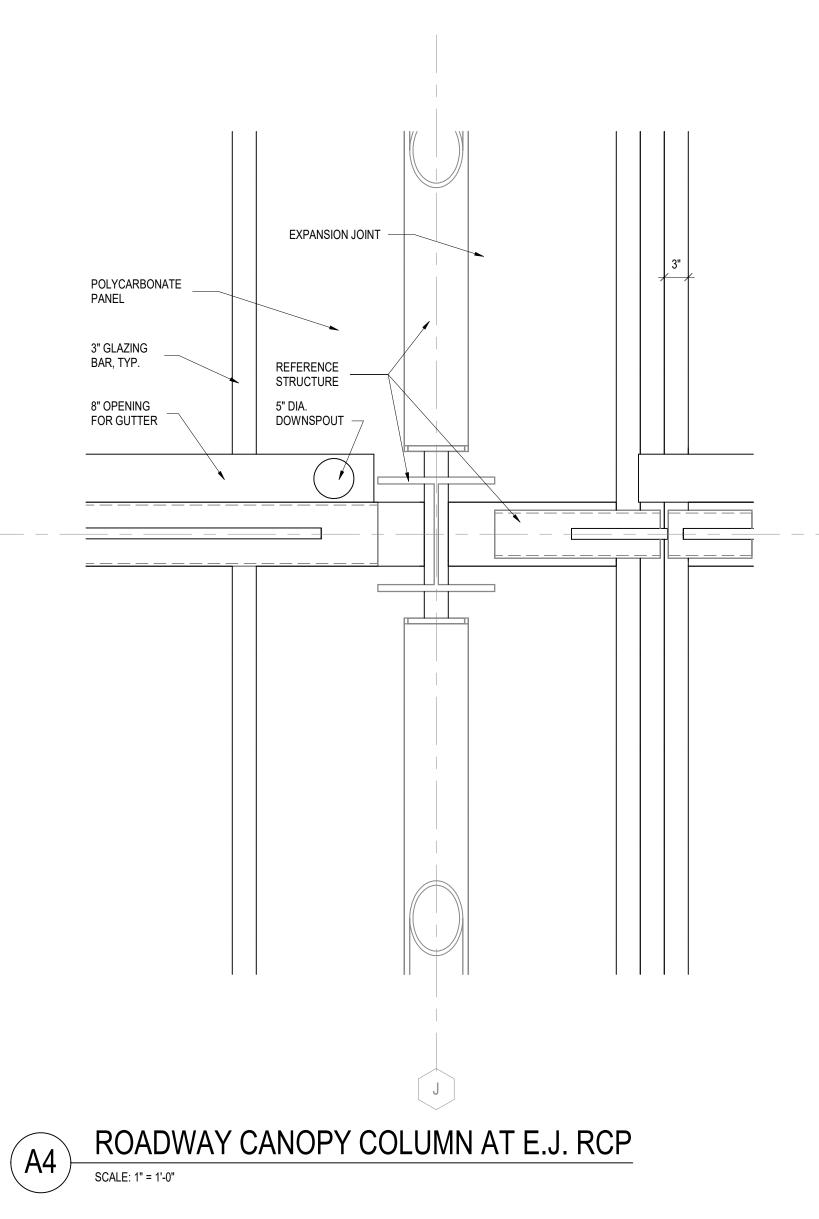
SHEET ID:

A512-3

PROJECT STATUS: 100% BID SET

SCALE: 1/2" = 1'-0"





Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

ROADWAY COLUMNS AT E.J. SECTION

3" EXPANSION JOINT, REFERENCE STRUCTURE

3/8" THICK POLYCARBONATE PANEL

3" DEEP GLAZING BAR -

20" DEEP GUTTER TO MATCH DEPTH OF STRUCTURE

5" DIAMETER
DOWNSPOUT BETWEEN
COLUMN FLANGES

DOWNSPOUT IN COLUMN

2' - 3"

TICKET LEVEL
100' - 0"

COMMUNICATIONS ABBREVIATIONS	COMMUNICATIONS SYMBOLS		CARLE LEGEND 9	COLOR SCHEMES	GENERAL NOTES
	COMMUNICATIONS STRIBULS				
AC ABOVE COUNTER ACS ACCESS CONTROL SYSTEM	OOMMUNIOATIONO OUTLET OUDEAGE NOUVITED TWO (2) 2 TO THE WORLD	ID DESCRIPTION	CABLE LE		REFER TO CONSTRUCTION MANUAL OR SPECIFICATIONS FOR MATERIALS TO BE INCORPORATED. FIELD VERIES ALL NEW DEVICE AND EQUIRMENT LOCATIONS PRIOR TO THE START OF INSTALL ATION. ANY
ACT ACOUSTIC CEILING TILE ADA AMERICANS WITH DISABILITIES ACT ADA ACCUSANS WITH DISABILITIES ACT ACCESSIBILITY	COMMUNICATIONS OUTLET, SURFACE MOUNTED -TWO (2) CAT 6 RJ45 JACKS (BLUE) WITH BLUE CAT 6. REFER TO DETAIL 6 ON SHEET T501.	ID DESCRIPTION 6-24 AWG SHIELI	nen	CARD READER (WIEGAND INTERFACE)	2. FIELD VERIFY ALL NEW DEVICE AND EQUIPMENT LOCATIONS PRIOR TO THE START OF INSTALLATION. ANY CONFLICTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER.
ADAAG AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES ARE ARONE FINISHED ELOOP	✓ VOICE/DATA OUTLET, ONE (1) CAT 6 RJ45 JACK (WHITE) WITH BLUE CAT 6 AND	Α	DED ED PAIR, OVERALL SHIELD	CARD READER (WIEGAND INTERFACE) CARD READER (OSDP INTERFACE)	3. MINIMUM CONDUIT SIZE SHALL BE 1". ALL CONDUITS SHALL BE EMT. EXCEPTIONS INCLUDE: A. GRS FOR EXTERIOR AREAS
AFF ABOVE FINISHED FLOOR AHJ AUTHORITY HAVING JURISDICTION	TWO (2) CAT 6 RJ45 JACKS (BLUE) WITH BLUE CAT 6. RÉFER TO DETAIL 3 ON SHEET T501.	B 4-22 AWG UNSHI	,	MISC. INPUT (DPS/REX/TD)	B. RS FOR AREAS ACCESSIBLE TO THE PUBLIC C. PVC FOR BURIED OR CAST-IN-PLACE CONDUITS
AL ALUMINUM AP ACCESS PANEL ANG AMERICAN MURE CAUCE	SECURITY CAMERA DATA, MOUNTING AS NOTED IN CABLE SCHEDULE -TWO (2) CAT 6 RJ45 PLUGS/JACKS (GRAY) WITH GRAY CAT 6. REFER TO CABLE SCHEDULE FOR	C 4-14 AWG UNSHI		ANNUNCIATOR (HORN/STROBE)	D. FLEXIBLE CONDUIT FOR CONCEALED DROPS TO DEVICES AND WHERE APPROVED BY THE OWNER 4. CONDUIT SHALL NOT EXCEED 40% FILL FACTOR. INSTALLATION OF CONDUIT AND WIRING SHALL BE IN
AWG AMERICAN WIRE GAUGE C CONDUIT	ADDITIONAL INFORMATION.	2-14 AWG UNSHI		MISC. OUTPUT (LOCK) LENGTH < 100'	COMPLIANCE WITH NATIONAL ELECTRICAL CODE (NEC). ALL WIRING SHALL BE HOMERUN, UNLESS OTHERWISE NOTED. ANY SPLICES SHALL BE APPROVED BY THE DESIGNER.
CAT6 CATEGORY 6 ETHERNET CABLE CATV CABLE TELEVISION COMMUNICATIONS FAIGURE	■ WALL TELEPHONE OUTLET. REFER TO DETAIL 4 ON SHEET T501.	D 2-12 AWG SHIELI		MISC. OUTPUT (LOCK) LENGTH < 200'	5. CONTRACTOR SHALL COORDINATE THE ROUTING AND LOCATION OF NEW COMMUNICATIONS CONDUITS WITH THE ELECTRICAL CONTRACTOR AND OTHER TRADES.
CE COMMUNICATIONS ENCLOSURE CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED CNTRI CONTROLLER	■ BUS COMMUNICATIONS OUTLET, SURFACE MOUNTED -TWO (2) CAT 6 RJ45 JACKS (BLUE) WITH BLUE CAT 6. REFER TO DETAIL 6 ON SHEET T501.	E CATEGORY 6 UT		ETHERNET (VOICE/DATA/VIDEO)	6. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT LINE VOLTAGE (120V AND ABOVE) POWER
COMM COMMUNICATION CORP. CORPER BATCH BANEL	AV DISPLAY OUTLET, WALL-MOUNTED -TWO (2) CAT 6 RJ45 JACKS		D CATEGORY 6 UTP (GEL FILLED)	ETHERNET (VOICE/DATA/VIDEO)	CONDUCTORS ARE NOT ROUTED WITHIN 12 INCHES OF COMMUNICATIONS WIRING.
COPP COPPER PATCH PANEL CR CARD READER DC DIRECT CURRENT	(BLUE) WITH BLUE CAT 6. REFER TO DETAIL 11 ON SHEET T501.	E2 CATEGORY 6 ST	<i>,</i> Р	ETHERNET (DATA/VIDEO)	7. ALL CONDUCTORS SHALL BE COLOR CODED AND TAGGED AS DESCRIBED IN THE WRITTEN SPECIFICATIONS AND APPROVED BY THE OWNER.
DC DIRECT CURRENT DIV DIVISION DPS DOOR POSITION SWITCH	OUTDOOR LOUDSPEAKER	F 2-18 AWG UNSHI	ELDED	FIRE ALARM RELAY AND MISC. I/O	8. COORDINATE WORK WITH OTHER TRADES AND CONFIRM FINAL MOUNTING LOCATION FOR NEW AND RELOCATED EQUIPMENT WITH THE OWNER PRIOR TO INSTALLATION.
DWG DRAWING E EXISTING		X SINGLE-MODE F	BER	FIBER OPTIC PATCH CABLE	9. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES FOR ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE NEW AND UNUSED.
E EXISTING EC ELECTRICAL CONTRACTOR EL ELEVATION	VOLUME CONTROL				10. ALL RACEWAY, CONDUIT AND JUNCTION BOXES SHALL BE NEW AND INSTALLED WITH PULL STRING. REUSE OF
ELEC ELECTRIC/ELECTRICAL EM EMERGENCY	WIRELESS ACCESS POINT - PROVIDE (2) CAT 6 COMMUNICATIONS JACKS (BLUE) WITH BLUE CAT 6. REFER TO DETAIL 5 ON SHEET T501.				EXISTING CONDUITS SHALL BE APPROVED BY THE OWNER. WHEN INSTALLING CABLING IN EXISTING CABLE TRAY, CONTRACTOR SHALL TAKE CARE NOT TO DISTURB OR DAMAGE EXISTING CABLING.
EMI EMERGENCY EMI ELECTROMAGNETIC INTERFERENCE EOR ENGINEER OF RECORD	HH COMMUNICATIONS HANDHOLE (BY CIVIL)				11. PROVIDE CONDUIT SLEEVES FOR ALL PENETRATIONS, WHETHER SHOWN ON DRAWING OR NOT. PROVIDE INSULATING BUSHINGS ON BOTH ENDS OF ALL CONDUIT SLEEVING.
EQ EQUAL FLR FLOOR	COMMUNICATIONS CABLE TRAY, REFER TO PLANS FOR DIMENSIONS AND MOUNTING HEIGHT.				12. CONDUITS PENETRATING FIRE RATED WALLS OR FLOORS SHALL USE APPROVED U.L. DEVICES IN ORDER TO
FO FIBER OPTIC FOC FIBER OPTIC CABLE		1			MAINTAIN FIRE RATING OF THE WALL OR FLOOR. 13. ALL DATA CABLING FOR SECURITY SHALL BE INSTALLED IN DEDICATED CONDUIT
FOR FIBER OPTIC CABLE FOPP FIBER OPTIC PATCH PANEL GC GENERAL CONTRACTOR		1			13. ALL DATA CABLING FOR SECURITY SHALL BE INSTALLED IN DEDICATED CONDUIT.14. MAINTAIN MINIMUM BENDING RADII FOR ALL CABLES ACCORDING TO THE CABLE MANUFACTURER AND PER
GC GENERAL CONTRACTOR GFGI GOVERNMENT FURNISHED GOVERNMENT INSTALLED GND GROUND	2-POST EQUIPMENT RACK				BICSI AND TIA STANDARDS.
GRS GALVANIZED RIGID STEEL HDMI HIGH DEFINITION MULTIMEDIA INTERFACE					15. ALL WIRING, CABLING AND CONDUCTORS SHALL BE NEW UNLESS REUSE OF EXISTING IS APPROVED BY THE OWNER.
HMI HUMAN MACHINE INTERFACE HVAC HEATING, VENTILATION, AND AIR CONDITIONING		1			16. ALL WORK SHALL BE CLOSELY COORDINATED WITH THE OWNER. ANY WORK AFFECTING TENANTS SHALL BE SCHEDULED IN ADVANCE AND PRE-APPROVED BY THE OWNER.
IC INTERCOM IDF INTERMEDIATE DISTRIBUTION FRAME IMC INTERMEDIATE METAL CONDUIT					17. ALL COMMUNICATIONS OUTLET BOXES SHALL BE MIN. 4" WIDE BY 4" HIGH BY 3.15" DEEP WITH SINGLE GANG MUD RING FOR CAT 6 CABLES. AV OUTLET BOXES (OTHER THAN THAT BEHIND THE TV, VIDEO WALL DISPLAYS) SHALL BE 3.15-INCH DEEP 5-INCH SQUARE BOX.
IP INTERNET PROTOCOL ISP INTERNET SERVICE PROVIDER ITC INTERCOM TERMINAL CABINET					18. TELE/DATA CONDUITS ARE TO BE LONG RADIUS TYPE AND SHALL CONTAIN PULL STRINGS. PROVIDE PLATES FOR ALL OUTLETS. CAT 6 CABLES SHALL BE PLENUM RATED. "LB" TYPE FITTINGS SHALL NOT BE USED.
J JUNCTION JB JUNCTION BOX KAIC (THOUSAND) AMPERE INTERRUPTING CAPACITY Kemil THOUSANDS OF CIRCULAR MILS					19. IF EXISTING EQUIPMENT SHALL BE DECOMMISSIONED, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO PROPERLY SHUT DOWN EQUIPMENT PRIOR TO DISCONNECTING. CONTRACTOR SHALL PROPERLY STORE EQUIPMENT ON SITE AT AN AREA DESIGNATED BY THE OWNER UNTIL THE EQUIPMENT IS REINSTALLED OR CONVEYED TO THE OWNER UPON COMPLETION OF THE PROJECT.
KCMIII THOUSANDS OF CIRCULAR MILS KO KNOCK OUT LAN LOCAL AREA NETWORK LBS LOAD BREAK SWITCH					20. CONTRACTOR SHALL SCHEDULE AND COORDINATE INSTALLATION OF OWNER PROVIDED EQUIPMENT WITH THE OWNER.
LCD LIQUID CRYSTAL DISPLAY MAX MAXIMUM MDF MAIN DISTRIBUTION FRAME					21. WHERE "ROUGH-IN" IS REQUIRED, PROVIDE BACK BOX, COVER PLATE, CONDUIT, JUNCTION BOXES, ANCILLARY HARDWARE, AND RACEWAY BACK TO THE COMM ROOM.
MIC MICROPHONE MM MULTI-MODE MTD MOUNTED					DEMOLITION NOTES
N NEUTRAL NC NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE					PORTIONS OF THE WORK SHALL INCLUDE THE DEMOLITION OF EXISTING EQUIPMENT, ASSOCIATED MOUNTING HARDWARE, BACK BOXES, CONNECTIONS, CONDUIT, RACEWAY, AND CABLING BACK TO THE SOURCE.
NO NORMALLY OPEN NTS NOT TO SCALE NWSW NETWORK SWITCH					DEMOLITION INCLUDES THE REMOVAL OF ALL ELECTRONIC EQUIPMENT AND CABLING TO BE REUSED OR REPLACED.
OAE OR APPROVED EQUAL OC ON CENTER OH OVERHEAD PDU POWER DISTRIBUTION UNIT					3. ANY EQUIPMENT DEMOLISHED BY THE CONTRACTOR SHALL BE INVENTORIED AND RETURNED TO THE OWNER UPON DECOMMISSIONING, INCLUDING STORING AT A SECURE LOCATION ON SITE AS DETERMINED BY THE OWNER.
PNEU PNEUMATIC PNL PANEL POE POWER OVER ETHERNET					4. FOR DECOMMISSIONED EQUIPMENT, WHETHER TEMPORARILY REMOVED DURING CONSTRUCTION AND REINSTALLED AT A LATER DATE OR PERMANENTLY DECOMMISSIONED, CONTRACTOR SHALL TAG AND MAINTAIN A LOG OF ALL HARDWARE. TAGS SHALL INCLUDE DATE REMOVED, EQUIPMENT IDENTIFICATION,
POS POINT OF SALE PP POWER PANEL PRCS PARKING REVENUE CONTROL SYSTEM					AND LOCATION INFORMATION. 5. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL DEMOLITION WITH THE OWNER PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL MAINTAIN CONTROL OF THE SITE AT ALL TIMES DURING CONSTRUCTION.
PTZ PAN-TILT-ZOOM PVC POLYVINYL CHLORIDE					6. REMOVE ALL CABLES FROM DECOMMISSIONED DEVICES AND PORTS BACK TO SOURCE. CONTRACTOR SHALL DEMOLISH ABANDONED RACEWAY EXCEPT FOR BURIED CONDUITS WHICH MAY BE CAPPED FOR FUTURE
QTY QUANTITY REX REQUEST TO EXIT RF RADIO FREQUENCY					USE. 7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN SECURITY OF THE SIDA, STERILE AREA, AND
RM ROOM RS RIGID STEEL					SECURED SPACES WHILE PERFORMING WORK IN THOSE AREAS. CONTRACTOR SHALL COORDINATE WORK WITH AIRPORT SECURITY, TSA, AND TENANTS.
SEC SECURITY SFP SMALL FORM-FACTOR PLUGGABLE SIDA SECURITY IDENTIFICATION DISPLAY AREA					
SM SINGLE MODE SPD SURGE PROTECTIVE DEVICE					
STS STATIC TRANSFER SWITCH SYM SYMMETRICAL		1			
TB TELEPHONE BACKBOARD TBD TO BE DETERMINED					
TDC TRAVEL DOCUMENT CHECKER TEL TELEPHONE					
TGB TELECOMMUNICATIONS GROUNDING BUS BAR TMGB TELECOMMUNICATIONS MAIN GROUNDING BUS BAR					
TSA TRANSPORTATION SECURITY ADMINISTRATION TTB TELEPHONE TERMINAL BOARD					
TV TELEVISION TYP TYPICAL					
UG UNDERGROUND UGC UNDERGROUND COMMUNICATIONS					
UL UNDERWRITERS LABORATORIES UON UNLESS OTHERWISE NOTED LIDS LININTERDI IDTIRI E DOWED SLIPBI V					
UPS UNINTERRUPTIBLE POWER SUPPLY UT UTILITY LITE LINSHIELDED TWISTED BAIR					COMMUNICATIONS SHEET INDEX - ALT 3
UTP UNSHIELDED TWISTED PAIR UTR UP THROUGH ROOF VMS VIDEO MANAGEMENT SYSTEM					SHEET NUMBER T001-3 COMMUNICATIONS GENERAL NOTES, SYMBOLS AND ABBREVIATIONS - ALT 3
VMS VIDEO MANAGEMENT SYSTEM VoIP VOICE OVER INTERNET PROTOCOL WAP WIRELESS ACCESS POINT		1			T106-3 OVERALL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - ALT 3 T107-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA A - ALT 3 T108-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA B. ALT 3
WAP WIRELESS ACCESS POINT WP WEATHER PROOF WR WEATHER-RESISTANT					T108-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA B - ALT 3 T109-3 PARTIAL COMMUNICATIONS TICKET LEVEL FLOOR PLAN - AREA C - ALT 3 T702-3 COMMUNICATIONS RISER DIAGRAM - ALT 3
Z ZONE					T702-3 COMMUNICATIONS RISER DIAGRAM - ALT 3 T703-3 COMMUNICATIONS INTERCONNECT DIAGRAM - ALT 3

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28





PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405

NO. DESCRIPTION DATE

REVIEWED BY:

DRAWN BY:

DESIGNED BY:

PROJECT NUMBER:

2003-0070-006

© 2025 RS&H, INC

DATE ISSUED:

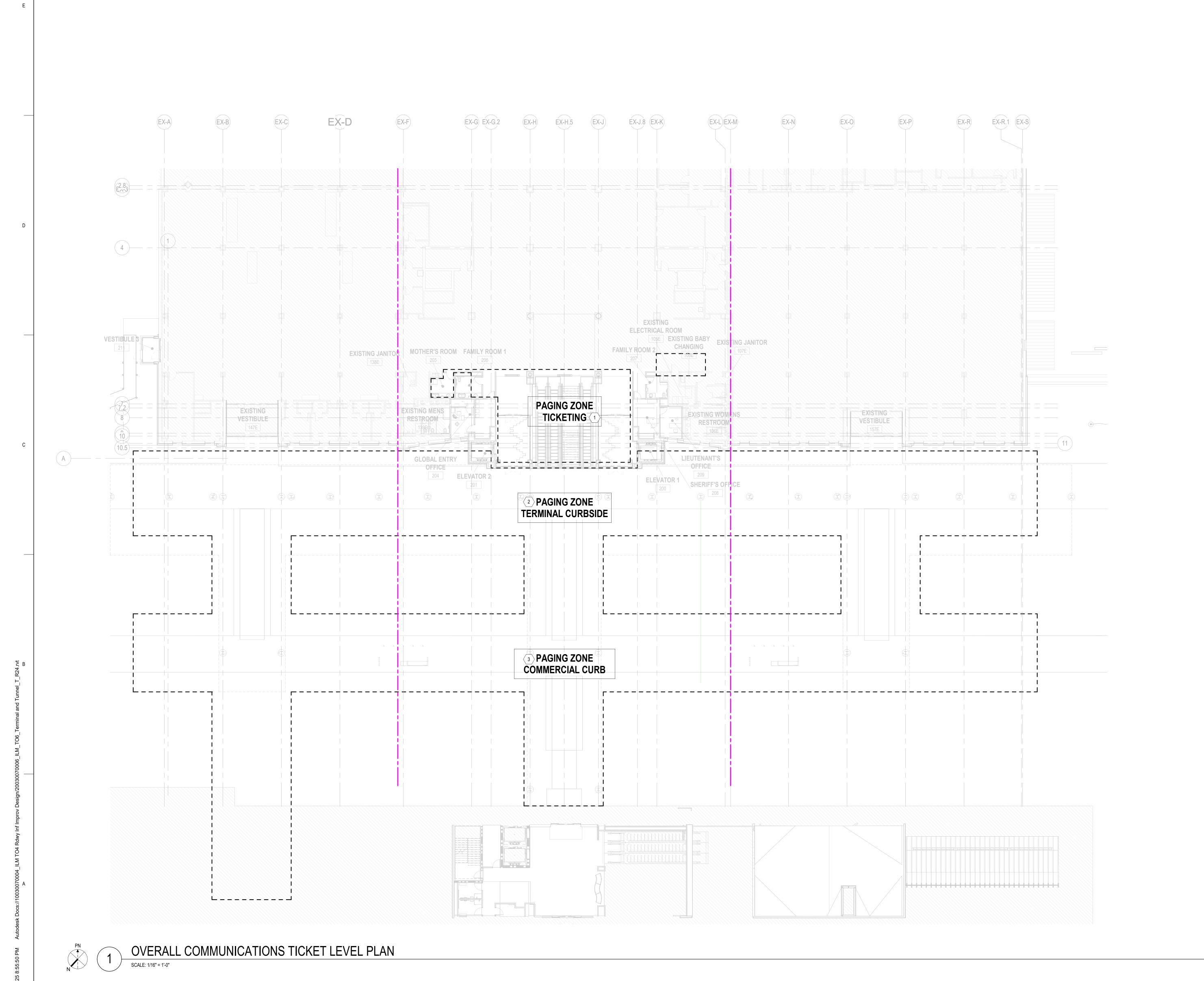
SHEET TITLE:

COMMUNICATIONS
GENERAL NOTES,
SYMBOLS AND
ABBREVIATIONS - ALT

SHEET ID:

T001-3

PROJECT STATUS: 100% BID SET



Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

NOTE

- ALL EQUIPMENT, DEVICES AND CABLING SHALL BE NEW UNLESS OTHERWISE NOTED.
 BURIED CONDUIT AND CABLE BETWEEN STRUCTURAL COLUMNS AND TERMINAL BUILDING MANAGEMENT
- 2. BORIED CONDUIT AND CABLE BETWEEN STRUCTURAL COLUMNS AND TERMINAL BUILDING MANAGEMENT ROOM A11, (IT ROOM 122) AND GARAGE IDF ROOM SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE INSTALLATION OF CAST-IN-PLACE CONDUITS WITH CIVIL AND STRUCTURAL CONTRACTORS.
- 3. PAGING ZONES ARE SHOWN FOR CONTRACTOR INFORMATION ONLY. ACTUAL PAGING ZONES SHALL BE CONFIGURED BY THE CONTRACTOR AS COORDINATED WITH THE OWNER INCLUDING EXPANDING AND RECONFIGURING EXISTING ZONES AS REQUIRED.
- NOISE SENSOR MICROPHONES ARE NOT SHOWN. CONTRACTOR SHALL DETERMINE LOCATION AND QUANTITY OF NOISE SENSORS REQUIRED BASED ON FIELD CONDITIONS AND FINAL PAGING ZONE CONFIGURATIONS.
- EXISTING SPEAKERS BEING RELOCATED SHALL BE CLEANED AND TESTED PRIOR TO BEING RE-INSTALLED. CONTRACTOR SHALL PROVIDE NEW WIRE (LIKE FOR LIKE) FOR EXISTING SPEAKERS.
- 6. THE CIRCUITING AND ROUTING OF CABLES TO EACH ZONE OF SPEAKERS SHALL BE DETERMINED BY THE CONTRACTOR. THE TOTAL CIRCUIT LOAD OF EACH ZONE AND QUANTITY OF AMPLIFIERS AND OTHER EQUIPMENT REQUIRED TO MEET THE REQUIREMENTS INCLUDING ANY ADJUSTMENTS NECESSARY TO THE EXISTING SYSTEM SHALL BE DETERMINED BY THE CONTRACTOR AS PART OF THE WORK AND COMPLETED PRIOR TO COMMISSIONING IN ORDER TO PROVIDE A COMPLETE AND WORKING SYSTEM.



1520 South Blvd., Suite 200

Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672

www.rsandh.com

North Carolina License Nos. 50073 *

F-0493 * C-28

KEY NOTES: \bigcirc

- EXISTING PAGING ZONE. CONTRACTOR SHALL MAKE ADJUSTMENT TO THE EXISTING PAGING ZONE INCLUDING BUT NOT LIMITED TO ADDING/DELETING SPEAKERS, NOISE SENSORS, AMPLIFIERS, ADJUSTING VOLUME, ETC., AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.
- 2. NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 3/4" CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE BUILDING AND BE ROUTED TO IT ROOM 122 (A11).
- NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 3/4"
 CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE
 GROUND LEVEL GARAGE EQUIPMENT ROOM.



PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405

KEY PLAN

NO. DESCRIPTION

REVISIONS

DRAWN BY:
DESIGNED BY:
PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC

SHEET TITLE:

OVERALL

OMMUNICATIONS

SHEET ID:

PLAN - ALT 3

T106-3

PROJECT STATUS: 100% BID SET

EX-D (EX-B) **EXISTING JANITOR** NOT IN CONTRACT, UNLESS NOTED OTHERWISE EXISTING EXISTING MENS VESTIBULE RESTROOM 147E TERMINAL CURBSIDE b-----_____ PAGING ZONE **COMMERCIAL CURB** 1" C. — PARTIAL COMMUNICATIONS TICKET LEVEL PLAN - ALT 1 - AREA A

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

NOTE

- . ALL EQUIPMENT, DEVICES AND CABLING SHALL BE NEW UNLESS OTHERWISE NOTED.
- 2. BURIED CONDUIT AND CABLE BETWEEN STRUCTURAL COLUMNS AND TERMINAL BUILDING MANAGEMENT ROOM A11, (IT ROOM 122) AND GARAGE IDF ROOM SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE INSTALLATION OF CAST-IN-PLACE CONDUITS WITH CIVIL AND STRUCTURAL CONTRACTORS.
- PAGING ZONES ARE SHOWN FOR CONTRACTOR INFORMATION ONLY. ACTUAL PAGING ZONES SHALL BE CONFIGURED BY THE CONTRACTOR AS COORDINATED WITH THE OWNER INCLUDING EXPANDING AND RECONFIGURING EXISTING ZONES AS REQUIRED.
- 4. NOISE SENSOR MICROPHONES ARE NOT SHOWN. CONTRACTOR SHALL DETERMINE LOCATION AND QUANTITY OF NOISE SENSORS REQUIRED BASED ON FIELD CONDITIONS AND FINAL PAGING ZONE CONFIGURATIONS.
- EXISTING SPEAKERS BEING RELOCATED SHALL BE CLEANED AND TESTED PRIOR TO BEING RE-INSTALLED. CONTRACTOR SHALL PROVIDE NEW WIRE (LIKE FOR LIKE) FOR EXISTING SPEAKERS.
- 6. THE CIRCUITING AND ROUTING OF CABLES TO EACH ZONE OF SPEAKERS SHALL BE DETERMINED BY THE CONTRACTOR. THE TOTAL CIRCUIT LOAD OF EACH ZONE AND QUANTITY OF AMPLIFIERS AND OTHER EQUIPMENT REQUIRED TO MEET THE REQUIREMENTS INCLUDING ANY ADJUSTMENTS NECESSARY TO THE EXISTING SYSTEM SHALL BE DETERMINED BY THE CONTRACTOR AS PART OF THE WORK AND COMPLETED PRIOR TO COMMISSIONING IN ORDER TO PROVIDE A COMPLETE AND WORKING SYSTEM.

KEY NOTES: ○

- 1. ROUTE CONDUITS THROUGH CAST IN PLACE COLUMN, COORDINATE CONDUIT ROUTING WITH ELECTRICAL AND STRUCTURAL CONTRACTORS AND OTHER TRADES AS REQUIRED.
- 2. NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2" CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE BUILDING AND BE ROUTED TO ROOM A11.
- 3. NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2" CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE GARAGE GROUND LEVEL EQUIPMENT ROOM.



www.rsandh.com

North Carolina License Nos. 50073 *

F-0493 * C-28



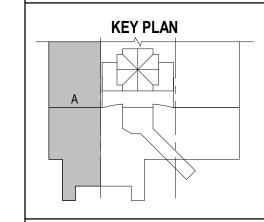


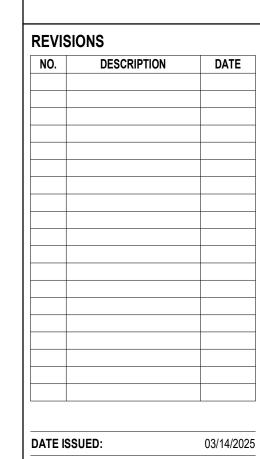
PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405





REVIEWED BY: Che
DRAWN BY: Au
DESIGNED BY: Desi
PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC

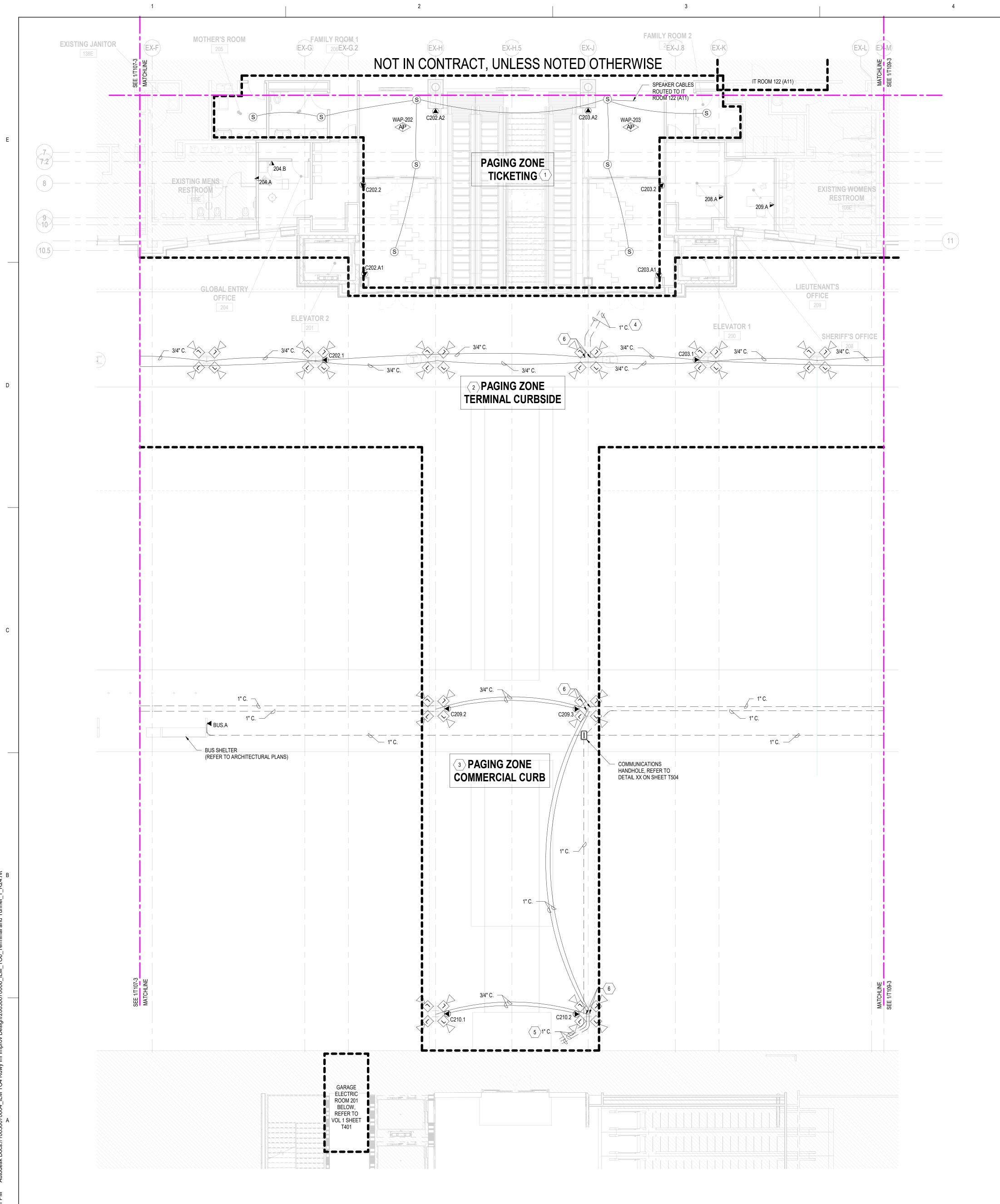
SHEET TITLE:
PARTIAL

COMMUNICATIONS
TICKET LEVEL FLOOR
PLAN - AREA A - ALT 3

SHEET ID:

T107-3

PROJECT STATUS: 100% BID SET



NOTE

- . ALL EQUIPMENT, DEVICES AND CABLING SHALL BE NEW UNLESS OTHERWISE NOTED.
- 2. BURIED CONDUIT AND CABLE BETWEEN STRUCTURAL COLUMNS AND TERMINAL BUILDING MANAGEMENT ROOM A11, (IT ROOM 122) AND GARAGE IDF ROOM SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE INSTALLATION OF CAST-IN-PLACE CONDUITS WITH CIVIL AND STRUCTURAL CONTRACTORS.
- 3. PAGING ZONES ARE SHOWN FOR CONTRACTOR INFORMATION ONLY. ACTUAL PAGING ZONES SHALL BE CONFIGURED BY THE CONTRACTOR AS COORDINATED WITH THE OWNER INCLUDING EXPANDING AND RECONFIGURING EXISTING ZONES AS REQUIRED.
- NOISE SENSOR MICROPHONES ARE NOT SHOWN. CONTRACTOR SHALL DETERMINE LOCATION AND QUANTITY OF NOISE SENSORS REQUIRED BASED ON FIELD CONDITIONS AND FINAL PAGING ZONE
- EXISTING SPEAKERS BEING RELOCATED SHALL BE CLEANED AND TESTED PRIOR TO BEING RE-INSTALLED. CONTRACTOR SHALL PROVIDE NEW WIRE (LIKE FOR LIKE) FOR EXISTING SPEAKERS.
- 6. THE CIRCUITING AND ROUTING OF CABLES TO EACH ZONE OF SPEAKERS SHALL BE DETERMINED BY THE CONTRACTOR. THE TOTAL CIRCUIT LOAD OF EACH ZONE AND QUANTITY OF AMPLIFIERS AND OTHER EQUIPMENT REQUIRED TO MEET THE REQUIREMENTS INCLUDING ANY ADJUSTMENTS NECESSARY TO THE EXISTING SYSTEM SHALL BE DETERMINED BY THE CONTRACTOR AS PART OF THE WORK AND COMPLETED PRIOR TO COMMISSIONING IN ORDER TO PROVIDE A COMPLETE AND WORKING SYSTEM.



Charlotte, NC 28203

Phone: 704-752-0610, Fax: 704-949-2672

North Carolina License Nos. 50073 *

F-0493 * C-28

www.rsandh.com

KEY NOTES: ○

GARAGE GROUND LEVEL EQUIPMENT ROOM.

CONFIGURATIONS.

 EXISTING PAGING ZONE. CONTRACTOR SHALL MAKE ADJUSTMENT TO THE EXISTING PAGING ZONE INCLUDING BUT NOT LIMITED TO ADDING/DELETED SPEAKERS, NOISE SENSORS, AMPLIFIERS, ADJUSTING VOLUME, ETC., AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.

- NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2"
 CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE
 BUILDING AND BE ROUTED TO IT ROOM 122 (A11).
- 3. NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2"
 CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE
- 4. PROVIDE ONE (1) 1" C. FOR PAGING AND ONE (1) 1-1/4" C. FOR SECURITY ROUTED TO IT ROOM 122 (A11) ON THE RAMP LEVEL, REFER TO SHEETS T103 AND T105 FOR PROPOSED ROUTING.
- 5. PROVIDE ONE (1) 1" C. FOR PAGING AND ONE (1) 1-1/4" C. FOR SECURITY, STUB FOR CONNECTION TO CONDUITS PROVIDED IN VOLUME 1. CONDUITS WILL BE ROUTED TO GARAGE ELECTRIC ROOM 102 IN
- VOLUME I. REFER TO VOLUME I SHEET T100, COORDINATE WITH THE COMMUNICATIONS CONTRACTOR.

ROUTE CONDUITS THROUGH CAST IN PLACE COLUMN, COORDINATE CONDUIT ROUTING WITH

ELECTRICAL AND STRUCTURAL CONTRACTORS AND OTHER TRADES AS REQUIRED.

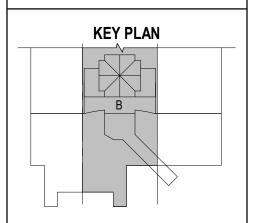


PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD.

WILMINGTON, NC 28405



REVISIONS

NO. DESCRIPTION DATE

DATE ISSUED: 03/14/20
REVIEWED BY: Chec
DRAWN BY: Aut
DESIGNED BY: Desig
PROJECT NUMBER:

2003-0070-006 © 2025 RS&H, INC

SEAL:

SHEET TITLE:

PARTIAL
COMMUNICATIONS
TICKET LEVEL FLOOR
PLAN - AREA B - ALT 3

SHEET ID:

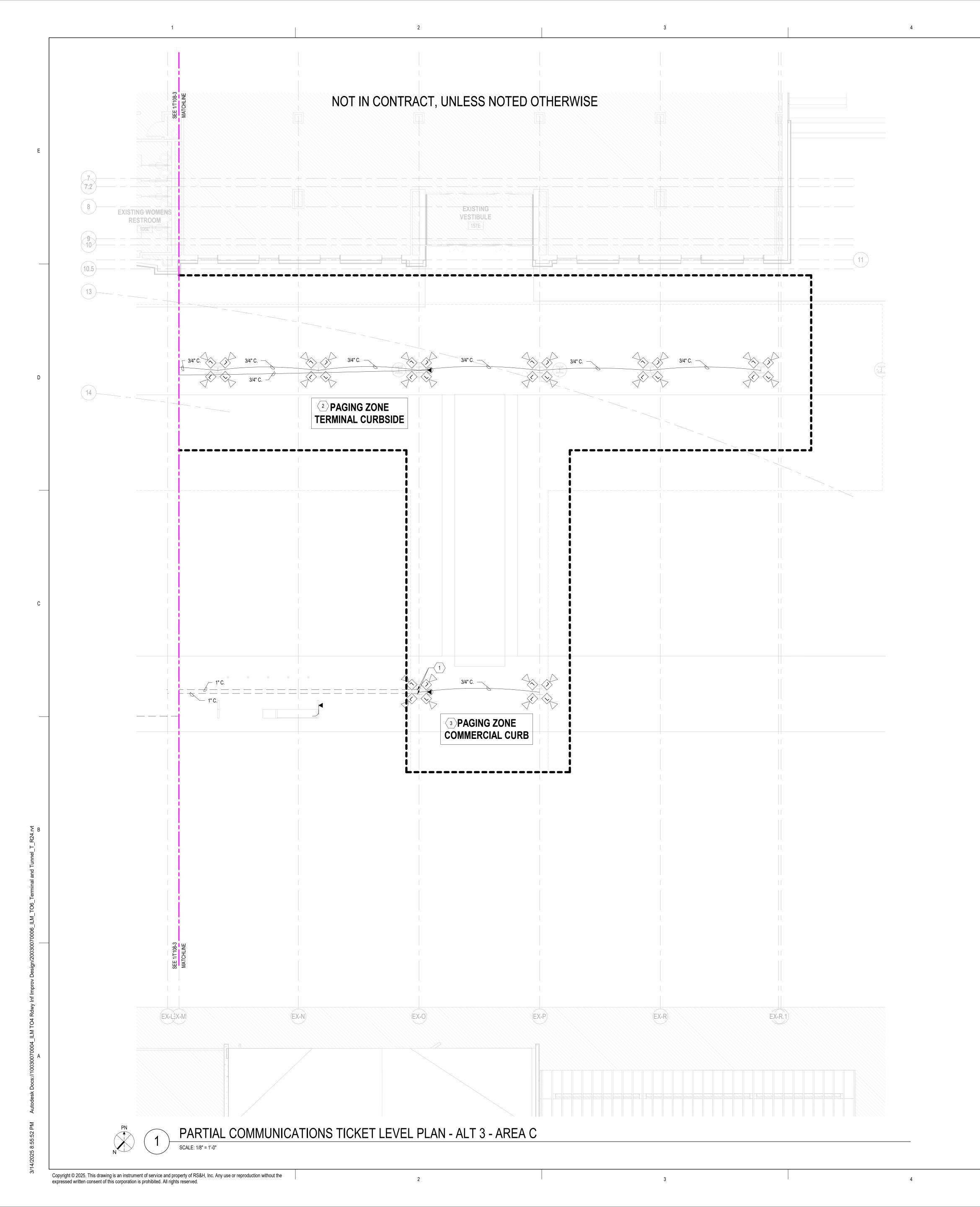
T108-3

PROJECT STATUS: 100% BID SET

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

PARTIAL COMMUNICATIONS TICKET LEVEL PLAN - Alt 3 - AREA B

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



NOTE

- . ALL EQUIPMENT, DEVICES AND CABLING SHALL BE NEW UNLESS OTHERWISE NOTED.
- 2. BURIED CONDUIT AND CABLE BETWEEN STRUCTURAL COLUMNS AND TERMINAL BUILDING MANAGEMENT ROOM A11, (IT ROOM 122) AND GARAGE IDF ROOM SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE INSTALLATION OF CAST-IN-PLACE CONDUITS WITH CIVIL AND STRUCTURAL CONTRACTORS.
- 3. PAGING ZONES ARE SHOWN FOR CONTRACTOR INFORMATION ONLY. ACTUAL PAGING ZONES SHALL BE CONFIGURED BY THE CONTRACTOR AS COORDINATED WITH THE OWNER INCLUDING EXPANDING AND RECONFIGURING EXISTING ZONES AS REQUIRED.
- 4. NOISE SENSOR MICROPHONES ARE NOT SHOWN. CONTRACTOR SHALL DETERMINE LOCATION AND QUANTITY OF NOISE SENSORS REQUIRED BASED ON FIELD CONDITIONS AND FINAL PAGING ZONE
- EXISTING SPEAKERS BEING RELOCATED SHALL BE CLEANED AND TESTED PRIOR TO BEING RE-INSTALLED. CONTRACTOR SHALL PROVIDE NEW WIRE (LIKE FOR LIKE) FOR EXISTING SPEAKERS.
- 6. THE CIRCUITING AND ROUTING OF CABLES TO EACH ZONE OF SPEAKERS SHALL BE DETERMINED BY THE CONTRACTOR. THE TOTAL CIRCUIT LOAD OF EACH ZONE AND QUANTITY OF AMPLIFIERS AND OTHER EQUIPMENT REQUIRED TO MEET THE REQUIREMENTS INCLUDING ANY ADJUSTMENTS NECESSARY TO THE EXISTING SYSTEM SHALL BE DETERMINED BY THE CONTRACTOR AS PART OF THE WORK AND COMPLETED PRIOR TO COMMISSIONING IN ORDER TO PROVIDE A COMPLETE AND WORKING SYSTEM.

KEY NOTES: \bigcirc

- 1. ROUTE CONDUITS THROUGH CAST IN PLACE COLUMN, COORDINATE CONDUIT ROUTING WITH ELECTRICAL AND STRUCTURAL CONTRACTORS AND OTHER TRADES AS REQUIRED.
- 2. NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2" CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE BUILDING AND BE ROUTED TO ROOM A11.
- NEW PAGING ZONE. SPEAKERS SHALL BE MOUNTED TO CANOPY AND CABLE INSTALLED IN 1/2"
 CONDUIT. ONE (1) 1" CONDUIT WILL BE ROUTED THROUGH THE CAST-IN-PLACE COLUMN TO ENTER THE
 GARAGE GROUND LEVEL EQUIPMENT ROOM.



1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28



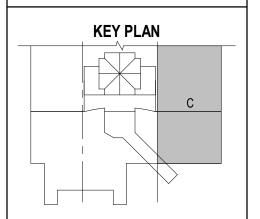


PROJECT TITLE:

ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS:
1740 AIRPORT BLVD.

WILMINGTON, NC 28405



10.	DESCRIPTION	DATE
10.	DECORAL FIGH	DAIL

REVIEWED BY: Che
DRAWN BY: Au
DESIGNED BY: Desi
PROJECT NUMBER:
2003-0070-006

2003-0070-006 © 2025 RS&H, INC

SHEET TITLE:

PARTIAL

COMMUNICATIONS

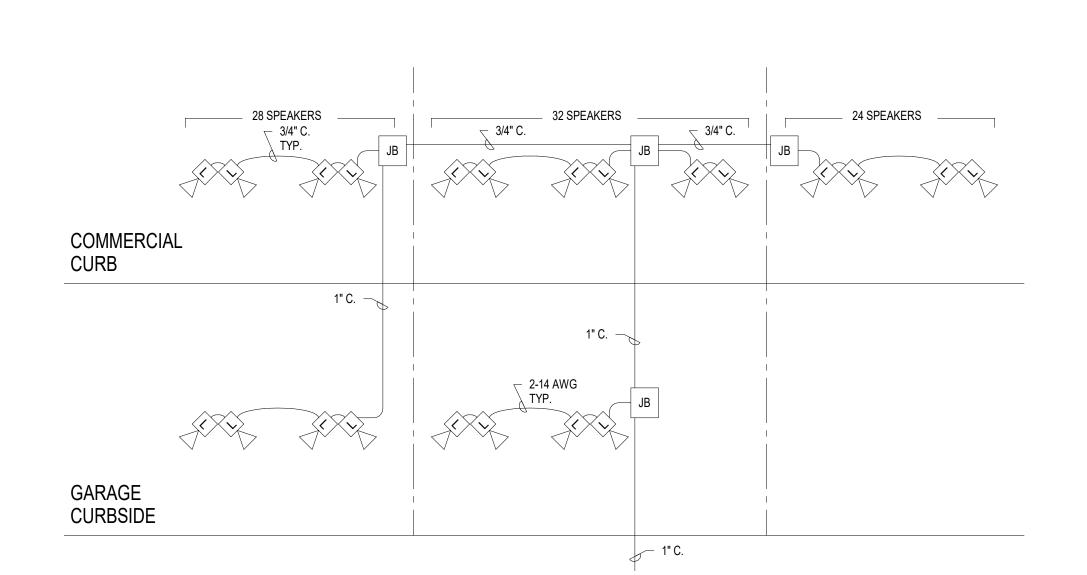
TICKET LEVEL FLOOR

SHEET ID:

PLAN - AREA C - ALT 3

T109-3

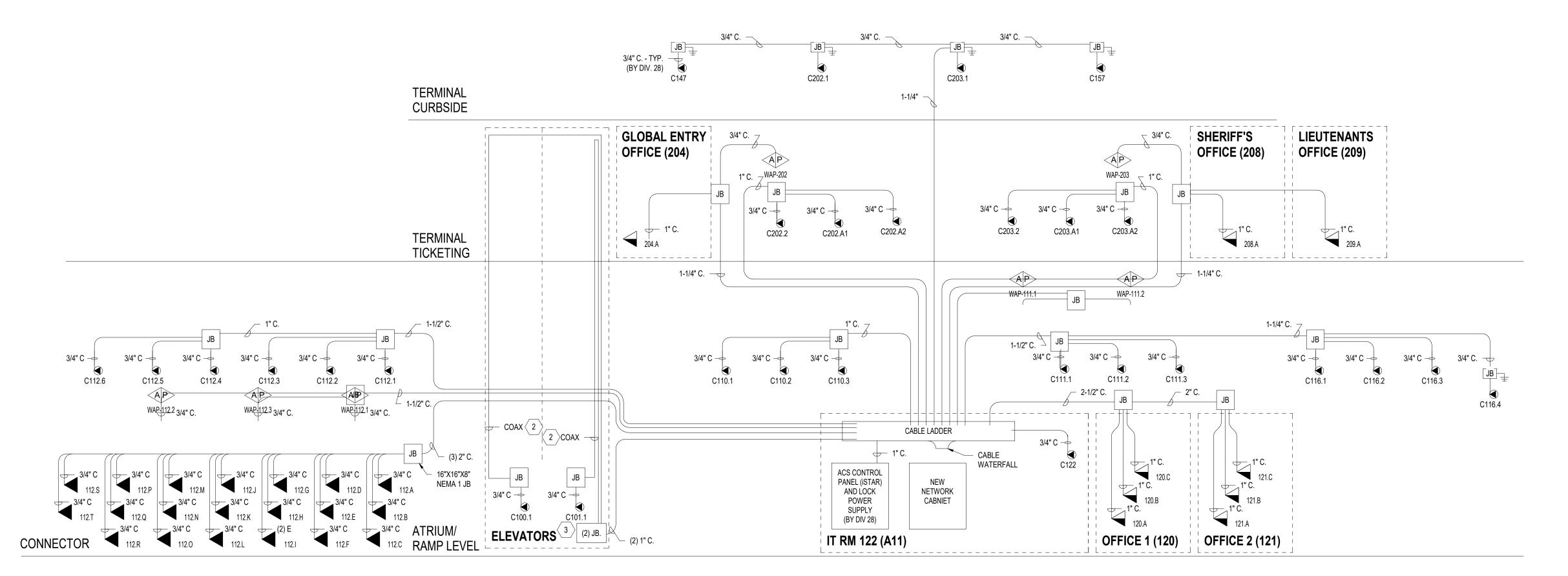
PROJECT STATUS: 100% BID SET



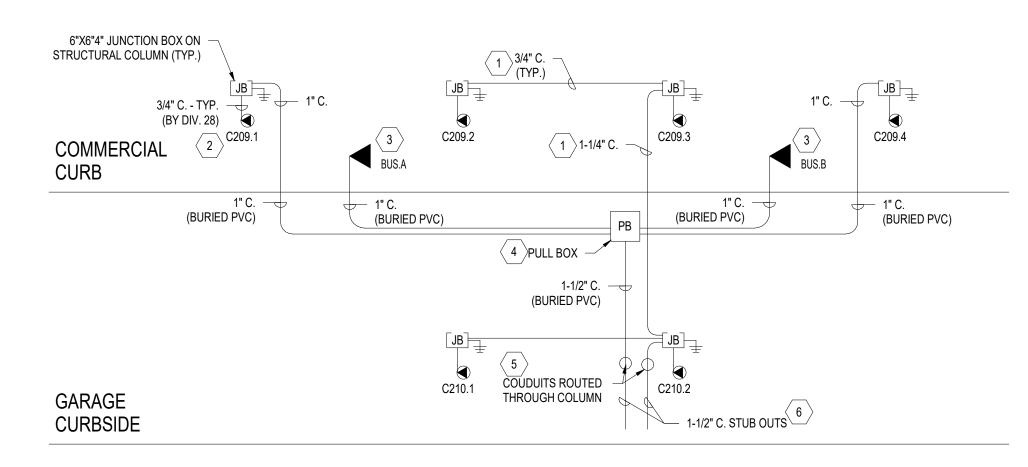
TERMINAL CURBSIDE RESTROOMS 9 SPEAKERS 1" C. — 1" C. TICKET LEVEL _ _ _ _ _ _ _ _ _ _ _ _ _ CABINET ATRIUM 15 SPEAKERS NETWORK CABINET RAMP LEVEL IT RM 122 (A11)

PAGING RISER DIAGRAM - COMMERCIAL CURB - ALT 3

PAGING RISER DIAGRAM - TERMINAL - ALT 3



COMMUNICATIONS RISER DIAGRAM - TERMINAL - ALT 3



COMMUNICATIONS RISER DIAGRAM - COMMERCIAL CURB - ALT 3

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

THESE DIAGRAMS ARE SCHEMATIC IN NATURE AND MAY NOT SHOWN ALL EQUIPMENT, CONDUIT, RACEWAY, JUNCTION BOXES, ELBOWS, BENDS OR TURNS REQUIRED. CONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY SYSTEM AS SHOWN ON THE DRAWINGS AND AS DESCRIBED IN THE WRITTEN SPECIFICATIONS.

ALL EQUIPMENT, RACEWAY SHALL BE NEW UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL PROPOSE CONDUIT ROUTING ACCORDING TO FIELD CONDITIONS AS COORDINATED WITH OTHER TRADES AND SUBMIT SHOP DRAWINGS FOR APPROVAL.

INSTALLATION OF SECURITY CAMERA CONDUIT SHALL BE COORDINATED WITH THE DIVISION 28 CONTRACTOR. CAMERA CONDUITS SHALL BE DEDICATED FOR CAMERA CABLES ROUTED TO THE IT

KEY NOTES:

ROUTE CONDUITS TIGHT TO SUPPORT FROM CANOPY STRUCTURE, COORDINATE WITH STRUCTURAL

MOUNT CAMERAS TO STRUCTURAL COLUMNS, REFER TO CAMERA SCHEDULE FOR CAMERA MOUNTING

ROUTE CONDUIT THROUGH CASE IN PLACE CONCRETE COLUMN, COORDINATE WITH OTHER

STUB CONDUIT FOR CONNECTION WITH CONDUITS FROM GARAGE ELECTRIC ROOM, REFER TO SHEET T108 AND VOLUME 1 DRAWINGS FOR ADDITIONAL INFORMATION.

PROVIDE JUNCTION BOX FOR SPD AND OVER COAX EXTENDER KIT, REFER TO WRITTEN SPECIFICATIONS . ELEVATOR CAB VIDEO SIGNALS SHALL BE TRANSMITTED OVER COAX CABLES WITHIN ELEVATOR TRAVELING CABLE, COORDINATE WITH ELEVATOR INSTALLER.

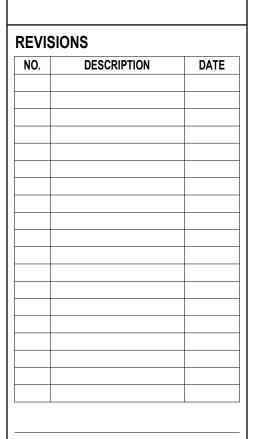
1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com North Carolina License Nos. 50073 *





PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



DATE ISSUED: 03/14/2025 REVIEWED BY **DESIGNED BY:**

PROJECT NUMBER:

© 2025 RS&H, INC

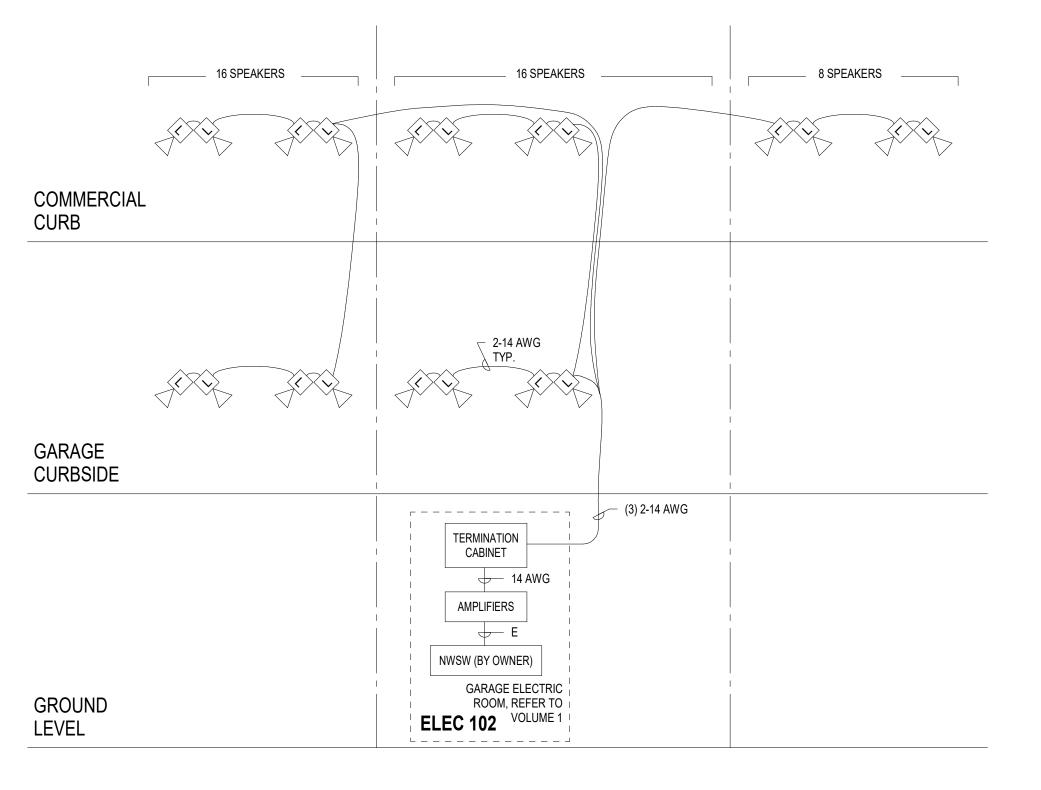
SHEET TITLE:

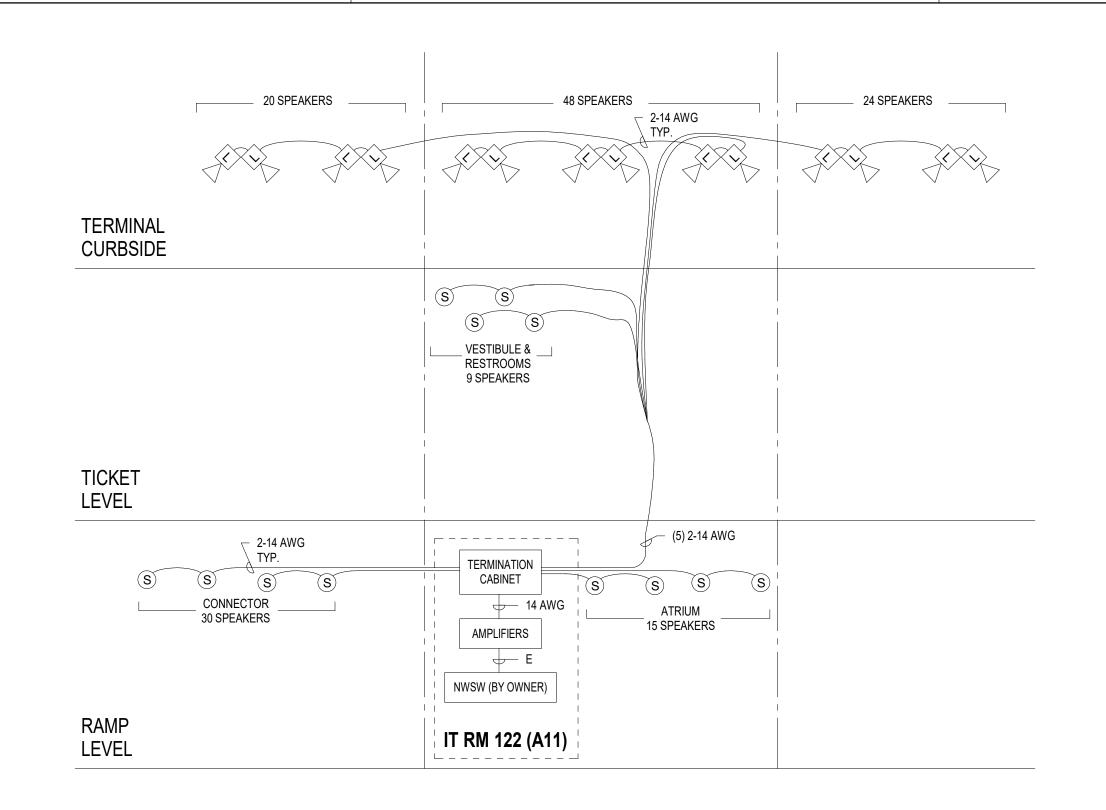
COMMUNICATIONS RISER DIAGRAM - ALT

SHEET ID:

T702-3

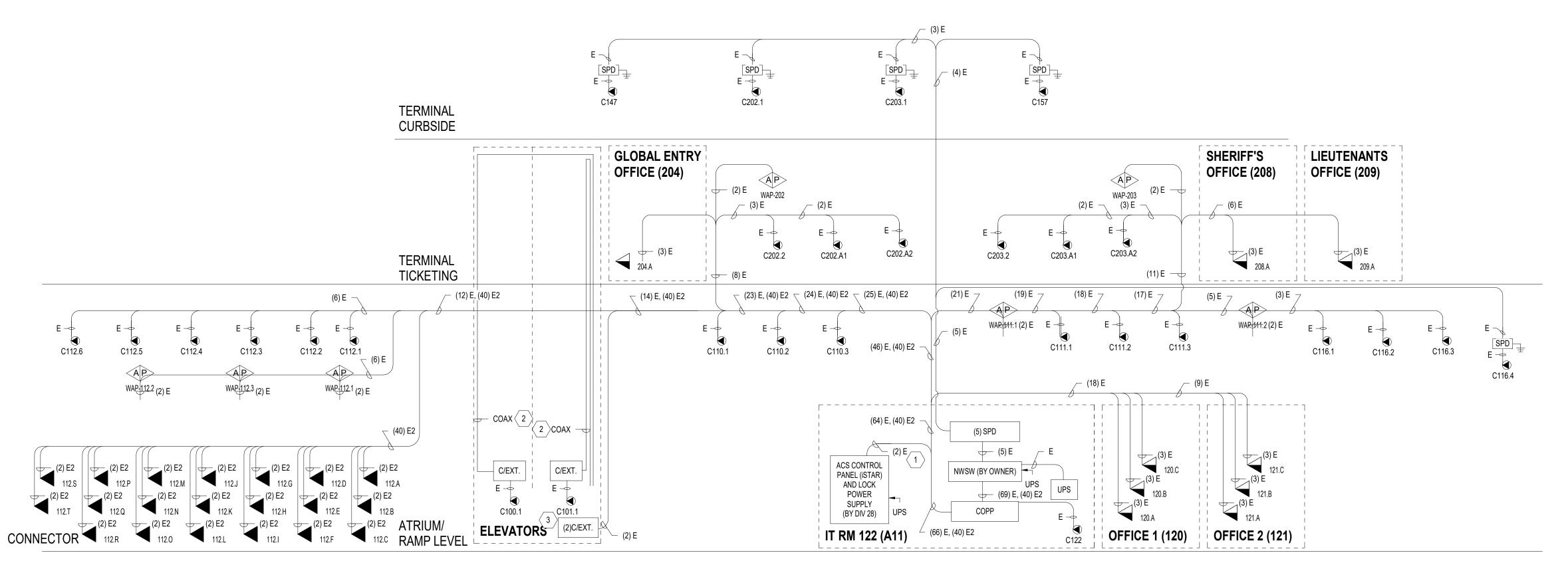
PROJECT STATUS: 100% BID SET



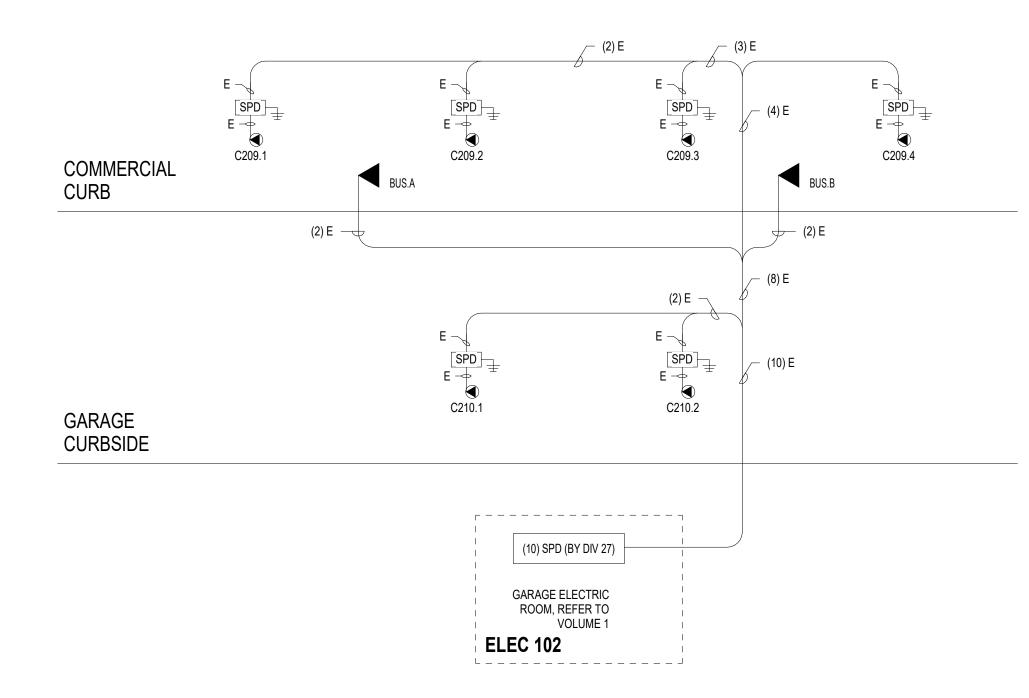


PAGING INTERCONNECT DIAGRAM - COMMERCIAL CURB - ALT 3

PAGING INTERCONNECT DIAGRAM - TERMINAL - ALT 3



COMMUNICATIONS INTERCONNECT DIAGRAM - TERMINAL - ALT 3 SCALE: N.T.S.



COMMUNICATIONS INTERCONNECT DIAGRAM - COMMERCIAL CURB - ALT 3 SCALE: N.T.S.

- THIS DIAGRAM IS SCHEMATIC IN NATURE AND MAY NOT SHOW ALL EQUIPMENT OR CONNECTIONS REQUIRED. CONTRACTOR SHALL PROVIDE A COMPLETE AND WORKING SYSTEM AS SHOWN IN THE DRAWINGS AND DESCRIBED IN THE WRITTEN SPECIFICATIONS.
- ALL EQUIPMENT, DEVICES AND CABLING SHALL BE NEW AND PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- REFER TO RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
- REFER TO THE FLOOR PLANS FOR TERMINATION LOCATIONS.
- CONTRACTOR SHALL COORDINATE THE TERMINATION OF FIBER OPTIC CABLES WITH THE OWNER. REFER TO ELECTRICAL PLANS FOR ROUTING OF EXISTING COMMUNICATIONS DUCT BANK.
- ALL NETWORK SWITCHES SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. COORDINATE WORK WITH THE OWNER'S IT REPRESENTATIVE.

KEY NOTES: ○

- PROVIDE TWO (2) CAT6 CABLES AND SURFACE MOUNTED DATA OUTLET INSIDE WALL MOUNTED ACS ENCLOSURE, COORDINATE INSTALLATION WITH THE DIV 28 CONTRACTOR.
- PROVIDE OVER COAX EXTENDER KIT, REFER TO WRITTEN SPECIFICATIONS.
- ELEVATOR CAB VIDEO SIGNALS SHALL BE TRANSMITTED OVER COAX CABLES WITHIN ELEVATOR TRAVELING CABLE, COORDINATE WITH ELEVATOR INSTALLER.
- EXISTING TSA COMMUNICATIONS CABINET TO BE RELOCATED IN COORDINATION WITH TSA IT REPRESENTATIVE. COORDINATE POWER REQUIREMENTS WITH DIVISION 26.
- EXISTING WALL-MOUNTED TSA COMMUNICATIONS CABINET TO BE RELOCATED IN COORDINATION WITH TSA IT REPRESENTATIVE. COORDINATE POWER REQUIREMENTS WITH DIVISION 26.
- RETERMINATE FOUR(4) TWO(2) DATA OUTLETS CONNECTED TO TSA COMMUNICATIONS CABINET. COORDINATE OUTLET LOCATIONS WITH TSA IT REPRESENTATIVE AND COLLOCATE WITH DUPLEX RECEPTACLES PROVIDED BY DIVISION 26. COORDINATE WORK WITH THE ELECTRICAL CONTRACTOR.



Charlotte, NC 28203

Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com

North Carolina License Nos. 50073 * F-0493 * C-28

PROJECT TITLE: ILM AIRPORT BOULEVARD AND

PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS:

1740 AIRPORT BLVD.

WILMINGTON, NC 28405

REVISIONS NO. DESCRIPTION

DATE ISSUED: 03/14/2025 REVIEWED BY **DESIGNED BY:** PROJECT NUMBER:

> 2003-0070-006 © 2025 RS&H, INC

SHEET TITLE:

COMMUNICATIONS INTERCONNECT DIAGRAM - ALT 3

SHEET ID:

PROJECT STATUS: 100% BID SET

Copyright © 2025. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the

expressed written consent of this corporation is prohibited. All rights reserved.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com

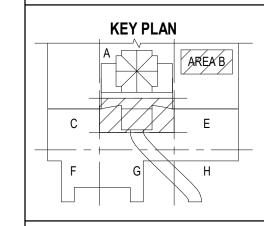


North Carolina License Nos. 50073 * F-0493 * C-28



PROJECT TITLE: ILM AIRPORT BOULEVARD AND PARKING IMPROVEMENTS - PHASE

> PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405



REVISIONS NO. DESCRIPTION

REVIEWED BY: **DESIGNED BY:** PROJECT NUMBER:

DATE ISSUED:

2003-0070-006 © 2024 RS&H, INC

3/14/2025

SHEET TITLE:

OVERALL TICKETING LEVEL ELECTRICAL LIGHTING PLAN - ALT 3

SHEET ID:

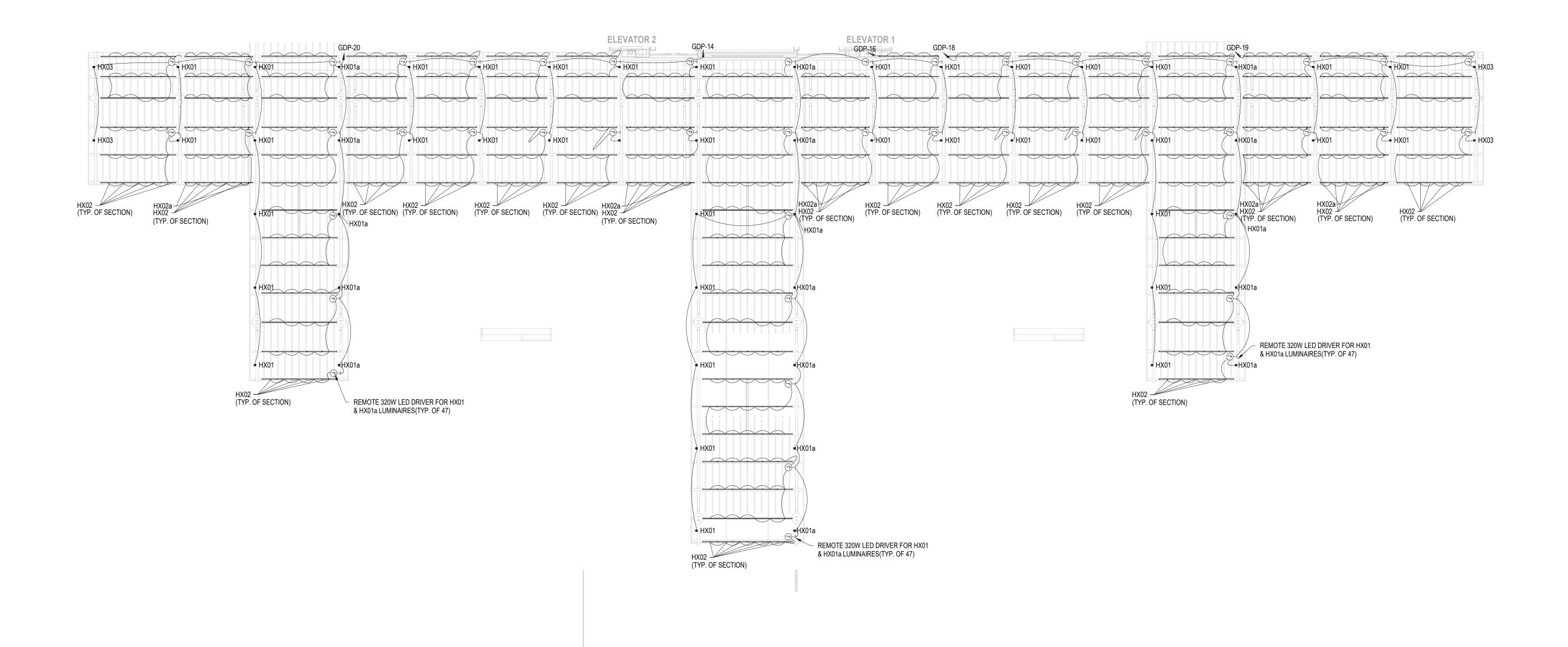
EL106-3

SCALE: 1/16" = 1'-0"

PROJECT STATUS: 100% BID SET

OVERALL TICKETING LEVEL ELECTRICAL LIGHTING PLAN REDUCED CANOPY

SCALE: 1/16" = 1'-0"



PN A1

ENLARGED ELECTRICAL LIGHTING PLAN REDUCED CANOPY - AREA D

Copyright © 2024. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

GENERAL NOTES

- A. REFER TO SHEET EL601 FOR THE LIGHTING FIXTURE SCHEDULE.
- B. ALL EXTERIOR LUMINAIRES CONTROLLED VIA PHOTOCELL VIA LIGHTING SYSTEM CONTROL.C. PROVIDE EMERGENCY TRANSFER RELAY FOR ALL EMERGENCY LUMINAIRES, CONNECT TO
- EMERGENCY AND NORMAL LIGHTING CIRCUIT IN SPACE.
- D. NEW LUMINIARES WITH DESIGNATION "HXX" OR "HXXX" ARE BEING DESIGNED BY HARTRANFT LIGHTING DESIGN. SEE HARTRANFT PROVIDED LUMINAIRE SCHEDULES ON SHEETS EL601 AND EL602
- E. SEE SHEET EP106 AND SHEET EP401 FOR LOCATION OF PANELBOARDS NOT LOCATED ON THIS
- F. LUMINAIRES WITH RGBW CAPABILITIES ARE TO BE CONTROLLED VIA DMX LIGHITNG CONTROL SYSTEM. LOCATED IN MECHANICAL RM 124. SEE LUMINAIRE SCHEDULES ON SHEET EL601 AND EL 602 LUMINAIRES CONTROLLED VIA DMX SYSTEM.

1520 South Blvd., Suite 200 Charlotte, NC 28203 Phone: 704-752-0610, Fax: 704-949-2672 www.rsandh.com

North Carolina License Nos. 50073 *

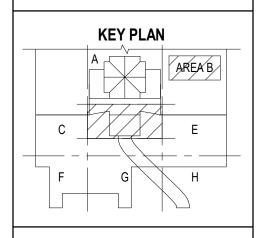
F-0493 * C-28





PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





 DATE ISSUED:
 3/14/2025

 REVIEWED BY:
 RS&H

 DRAWN BY:
 BWG

 DESIGNED BY:
 CRD

PROJECT NUMBER: 2003-0070-006 © 2024 RS&H, INC

© 2024 RS&H, INC

SEAL:

to be the parties of the parties of

SHEET TITLE:

PARTIAL REDUCED CANOPY ELECTRICAL LIGHTING PLAN - AREA B

SHEET ID:

EL108-3

SCALE: 1/16" = 1'-0"

PROJECT STATUS: 100% BID SET

ROOF LEVEL ELECTRICAL PLAN - REDUCED CANOPY

Copyright © 2024. This drawing is an instrument of service and property of RS&H, Inc. Any use or reproduction without the expressed written consent of this corporation is prohibited. All rights reserved.

KEYNOTES

- 1 EXTEND ROOF CONDUCTORS FROM EXISTING LIGHTING PROTECTION SYSTEM TO NEW LIGHTNING PROTECTION AIR TERMINALS.
- 2 EXOTHERMIC CONNECTION FROM CANOPY STRUCTURAL COLUMNS TO UFER GROUND.

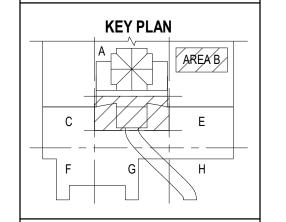


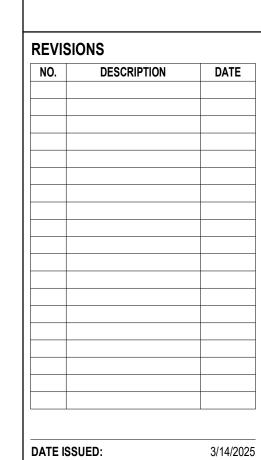




PROJECT TITLE:
ILM AIRPORT BOULEVARD AND
PARKING IMPROVEMENTS - PHASE

PROJECT ADDRESS: 1740 AIRPORT BLVD. WILMINGTON, NC 28405





REVIEWED BY:

DRAWN BY:

DESIGNED BY:

PROJECT NUMBER:

2003-0070-006 © 2024 RS&H, INC



SHEET TITLE:

ROOF LEVEL
ELECTRICAL PLAN
REDUCED CANOPY

SHEET ID:

EP108-3

PROJECT STATUS:
100% BID SET