CONVEYOR LEGEND PLAN

- 90° POWER TURN (OPTIONAL DRIVE LOCATIONS SHOWN)
- 90° SPIRAL POWER TURN (OPTIONAL DRIVE LOCATIONS SHOWN) (MAX ELEVATION CHANGE 2-0")
- DECLINE CONVEYOR
- DECLINE CONVEYOR WITH BREAKOVER
- INCLINE CONVEYOR
- INCLINE CONVEYOR WITH BREAKOVER
- END ROLLER
- QUEUE CONVEYOR
- 24" MINI-PULLER DRIVE
- 24" MINI-CENTER DRIVE
- 60" PULLER DRIVE
- 60" CENTER DRIVE
- 24" MINI UNDERSLUNG DRIVE
- 60" STANDARD UNDERSLUNG DRIVE
- 45° MERGE CONVEYOR
- CT80 EDS DEVICE
- CT80XL EDS DEVICE
- FIRE/SECURITY DOOR
- INCLINE PLATE DEVICE

CONVEYOR LEGEND ELEVATION

- 90° POWER TURN (OPTIONAL DRIVE LOCATIONS SHOWN)
- 90° SPIRAL POWER TURN (OPTIONAL DRIVE LOCATIONS SHOWN) (MAX ELEVATION CHANGE 2-0")
- DECLINE CONVEYOR
- DECLINE CONVEYOR WITH BREAKOVER
- INCLINE CONVEYOR
- INCLINE CONVEYOR WITH BREAKOVER
- END ROLLER
- QUEUE CONVEYOR
- 24" MINI-PULLER DRIVE
- 24" MINI-CENTER DRIVE
- 60" PULLER DRIVE
- 60" CENTER DRIVE
- 24" MINI UNDERSLUNG DRIVE
- 60" STANDARD UNDERSLUNG DRIVE
- 45° MERGE CONVEYOR
- CT80 EDS DEVICE
- CT80XL EDS DEVICE
- FIRE/SECURITY DOOR
- INCLINE PLATE DEVICE

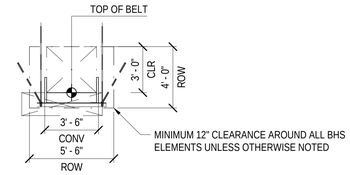
GENERAL SYMBOLS

- TUG AND CART TRAFFIC FLOW DIRECTION
- BHS FLOW DIRECTION
- TOP OF BELT ELEVATION UNLESS NOTED
- MOTOR CONTROL PANEL (MCP)
- XXY-ZZ — ITEM NUMBER EXISTING EQUIPMENT
- XXY-ZZ — ITEM NUMBER NEW EQUIPMENT
- EXISTING BHS EQUIPMENT
- DEMOLISHED BHS EQUIPMENT
- NEW BHS EQUIPMENT
- NEW BHS EQUIPMENT WITH NEW CATWALK
- FUTURE BHS EQUIPMENT
- BREAK OVER CONVEYOR (RBO) (10' RADIUS - TYPICAL)
- CONVEYOR CROSS SECTION
- CONVEYOR WITH DRIVE CROSS SECTION
- FLIP-UP NON-POWERED ROLLER CONVEYOR
- NON-POWERED ROLLER CONVEYOR
- NON-POWERED ROLLER CONVEYOR
- WALKWAY & OVERSIZE BAGGAGE STAGING AREA
- EDS REMOVAL PATH

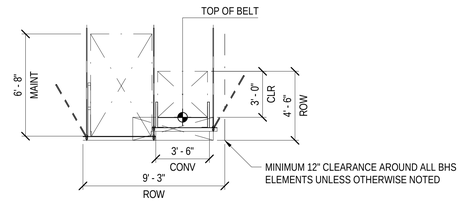
ABBREVIATIONS

AA	AMERICAN AIRLINES
AFF	ABOVE FINISHED FLOOR
BHS	BAGGAGE HANDLING SYSTEM
BIT	BAGGAGE INSPECTION TABLE
CLR	CLEAR
CONV	CONVEYOR
DEMO	DEMOLISH
DIA	DIAMETER
DL	DELTA AIRLINES
EDS	EXPLOSIVE DETECTION SYSTEM
EMBED	EMBEDMENT
EQUIP	EQUIPMENT
ETD	EXPLOSIVE TRACE DETECTION
FD	FIRE DOOR
MAINT	MAINTENANCE
MAX	MAXIMUM
MCP	MOTOR CONTROL PANEL
MFG	MANUFACTURER
MIN	MINIMUM
NOM	NOMINAL
OC	ON CENTER
OD	OUTER DIAMETER
OEM	ORIGINAL EQUIPMENT MANUFACTURER
OPNG	OPENING
REF	REFERENCE
REQD	REQUIRED
ROW	RIGHT OF WAY
SD	SECURITY DOOR
TOB	TOP OF BELT
TSA	TRANSPORTATION SECURITY ADMINISTRATION
TYP	TYPICAL
UA	UNITED AIRLINES
VERT	VERTICAL
VIF	VERIFY IN FIELD

TYPICAL CONVEYOR RIGHT-OF-WAY



STANDARD CONVEYOR



STANDARD CONVEYOR WITH CATWALK

PROJECT SHEET LIST

SHEET NUMBER	SHEET NAME
B-000	BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS
B-100	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL EXISTING CONDITIONS
B-101	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL EXISTING CONDITIONS
B-102	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND DEMO PLAN
B-103	BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL OUTBOUND DEMO PLAN
B-200	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL PROPOSED
B-201	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL PROPOSED
B-202	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED SCREENING
B-203	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED MAKE-UP
B-204	BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL OUTBOUND PROPOSED
B-205	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED CATWALK PLAN MAKE-UP AREA
B-206	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED CATWALK PLAN SCREENING AREA
B-207	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED MAKE-UP TRAFFIC PLAN
B-208	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND FUTURE RIGHT-OF-WAY CONSIDERATION
B-209	BAGGAGE HANDLING EQUIPMENT DETAIL PLANS TEMPORARY CONVEYOR
B-300	BAGGAGE HANDLING EQUIPMENT SECTIONS
B-301	BAGGAGE HANDLING EQUIPMENT SECTIONS
B-302	BAGGAGE HANDLING EQUIPMENT SECTIONS
B-400	BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS
B-500	BAGGAGE HANDLING EQUIPMENT TYPICAL LOADING DIAGRAMS
B-501	BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS
B-502	BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS
B-503	BAGGAGE HANDLING EQUIPMENT TYPICAL INCLINE PLATE MAKE-UP DETAILS
B-504	BAGGAGE HANDLING EQUIPMENT TYPICAL FIRE/SECURITY DOOR DETAILS
B-505	BAGGAGE HANDLING EQUIPMENT TYPICAL ACCESS LADDER DETAILS
B-506	BAGGAGE HANDLING EQUIPMENT TYPICAL ACCESS LADDER DETAILS
B-507	BAGGAGE HANDLING EQUIPMENT TYPICAL TICKET COUNTER & RUN-OUT CONVEYOR DETAILS
B-508	BAGGAGE HANDLING EQUIPMENT TYPICAL OVERSIZE MAKE-UP SLIDE DETAILS
B-509	BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE
B-510	BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE
B-600	BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATIONS AND DISPLAYS
B-601	BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATIONS AND DISPLAYS
B-602	BAGGAGE HANDLING EQUIPMENT CONTROLS LAYOUT
B-603	BAGGAGE HANDLING EQUIPMENT CONTROLS LAYOUT
B-700	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-701	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-702	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-703	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-704	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-705	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-706	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-707	BAGGAGE HANDLING EQUIPMENT PHASING PLAN

GENERAL NOTES

THE FOLLOWING REQUIREMENTS, TOGETHER WITH THE PROJECT SPECIFICATIONS AND BHS DRAWINGS SHALL APPLY.

1. CHECK AND FIELD VERIFY ALL BHS RELATED DIMENSIONS ON THE JOB SITE BEFORE PROCEEDING WITH WORK AND BE RESPONSIBLE FOR THEIR ACCURACY. IF DISCREPANCIES ARE FOUND BETWEEN THE BHS DRAWINGS, SPECIFICATIONS AND FIELD CONDITIONS, REPORT THEM TO THE OWNER OR REPRESENTATIVE.
2. FINISHED FLOOR ELEVATIONS PROVIDED FOR INFORMATION ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL FLOOR ELEVATIONS AND BUILDING INFORMATION.
3. ALL FINISHED FLOOR DIMENSIONS ARE TAKEN FROM THE HIGH POINT OF THE FINISHED FLOOR.
4. NO DIMENSIONS SHALL BE SCALED. DRAWING DIMENSIONS SHOWN SHALL BE USED.
5. BHS CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING BHS RIGHT-OF-WAY ISSUES AND REPORTING THEM TO THE OWNER OR REPRESENTATIVE.
6. BHS CONTRACTOR TO COORDINATE WITH OTHER TRADES TO MAINTAIN BAGGAGE SYSTEM RIGHTS-OF-WAY.
7. ALL DIMENSIONS ARE FROM GRID TO OUTER EXTENT OF CONVEYOR SIDEGUARD, UNLESS NOTED.
8. FOR ADDITIONAL BHS RIGHT-OF-WAY CLEARANCES, CROSS SECTIONS, AND ATTACHMENT DETAILS REFERENCE THE B-500 SERIES DRAWINGS.
9. ALL OTHER TRADES SHALL MAINTAIN 3'-0" CLEAR RIGHT-OF-WAY (UNLESS NOTED) FROM TOP OF BELT TO NEAREST OBSTRUCTION. HANGING ANY EQUIPMENT COMPONENTS (E.G. MECHANICAL, ELECTRICAL, PLUMBING, HVAC). FROM THE CONVEYOR, CATWALK OR ASSOCIATED SUPPORTS IS NOT ACCEPTABLE.
10. ALL BHS RIGHTS-OF-WAY SHALL TAKE PRECEDENCE OVER ALL OTHER BUILDING SERVICES (E.G. MECHANICAL, DUCT WORK AND PIPES, CONDUIT, FIRE PROTECTION, PLUMBING).
11. BHS CONTRACTOR TO INFORM THE OWNER OR THEIR REPRESENTATIVE THAT EQUIPMENT DESIGNATED FOR REMOVAL HAS BEEN REMOVED AND ARE AVAILABLE FOR REVIEW TO DETERMINE WHAT SHALL BE SALVAGED FOR SPARE PARTS CONSIDERATIONS AND WHAT SHALL BE DISPOSED.

IDENTIFICATION NOMENCLATURE

EXISTING AND NEW / REWORKED CONVEYOR ID

XXY-ZZ
- SEQUENTIAL NUMBER OF COMPONENTS IN TRAIN
- SEQUENTIAL NUMBER OF SUBSYSTEMS OF THIS TYPE
- SUBSYSTEM DESCRIPTION IDENTIFIER

XXY-ZZ
- SEQUENTIAL NUMBER OF COMPONENTS IN TRAIN
- SEQUENTIAL NUMBER OF SUBSYSTEMS OF THIS TYPE
- SUBSYSTEM DESCRIPTION IDENTIFIER

SUBSYSTEM DESCRIPTION IDENTIFIERS

EDS	EXPLOSIVE DETECTION SYSTEM
MU	MAKE-UP DEVICE
OE	OUTBOUND ENABLING
OT	OUTBOUND TRANSPORT
OS	OVERSIZE SLIDE
TE	TICKET ENABLING
TC	TICKET COUNTER

SHEET NUMBER DESIGNATIONS

B-100
- SEQUENCE DRAWING #
- DRAWING TYPE
- DISCIPLINE DESIGNATOR

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

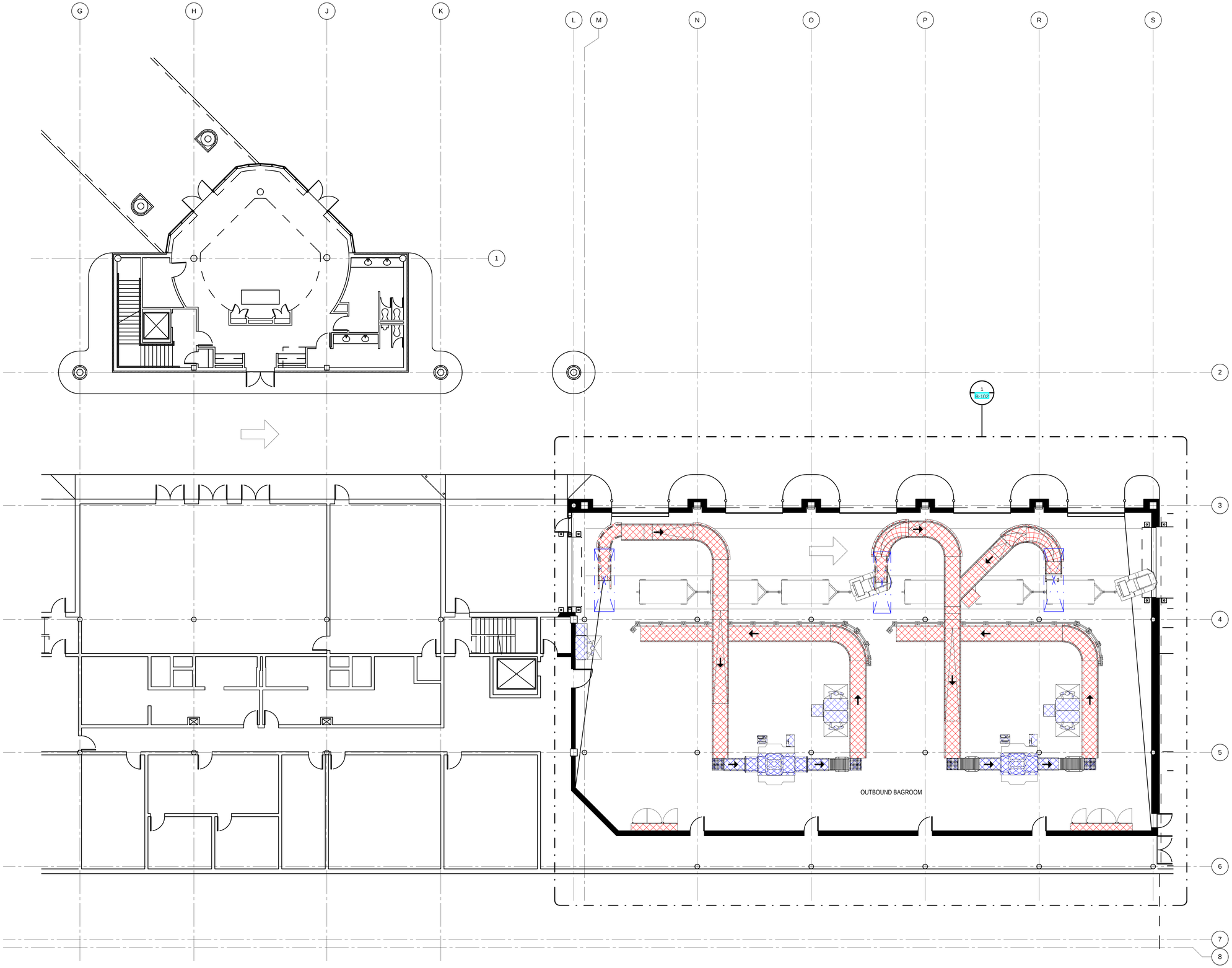
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS

SHEET NUMBER:

B-000



1 GENERAL ARRANGEMENT - BASEMENT LEVEL - EXISTING CONDITIONS

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

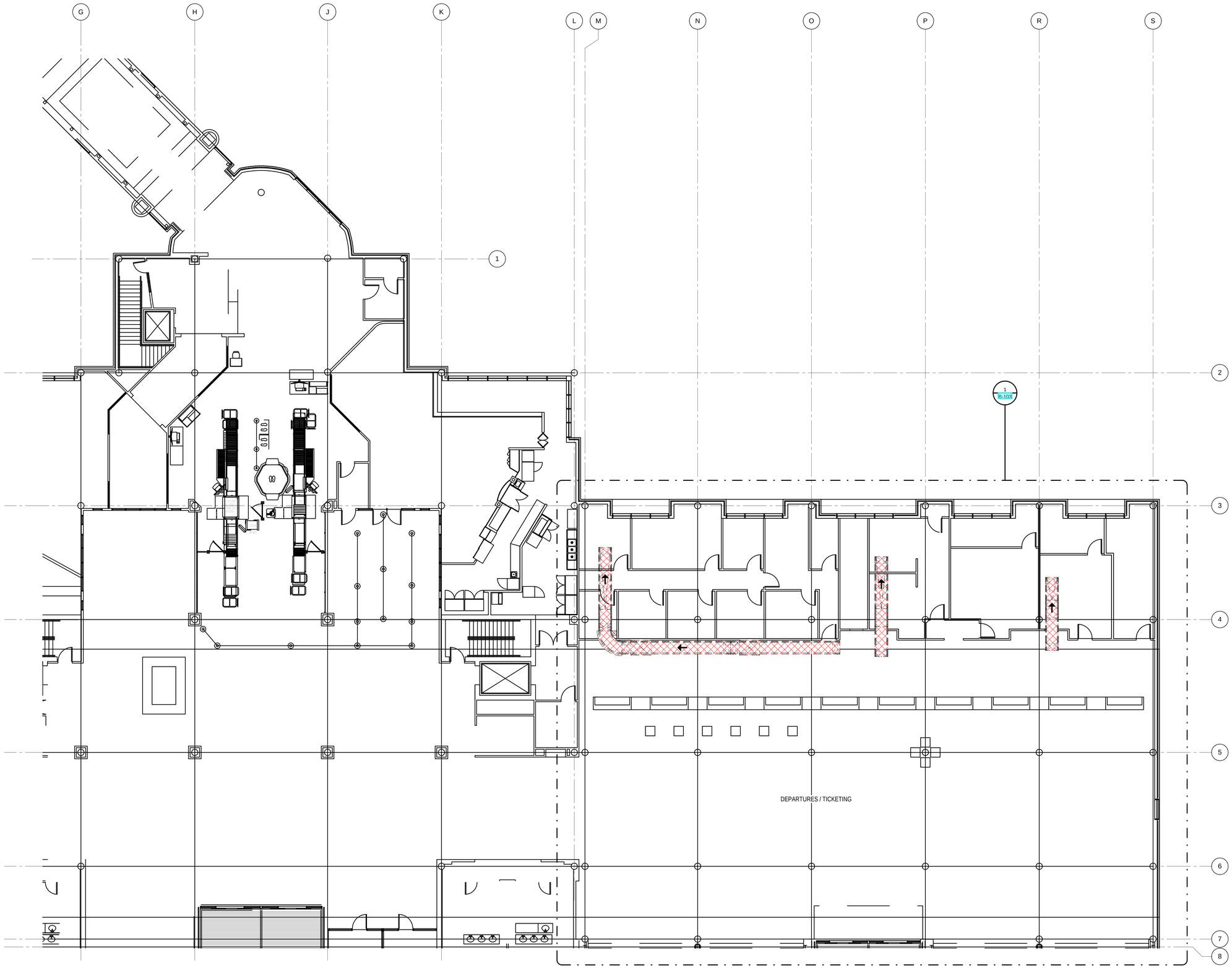
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL EXISTING CONDITIONS

SHEET NUMBER:

B-100



1 GENERAL ARRANGEMENT - DEPARTURES / ARRIVALS LEVEL - EXISTING CONDITIONS
1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

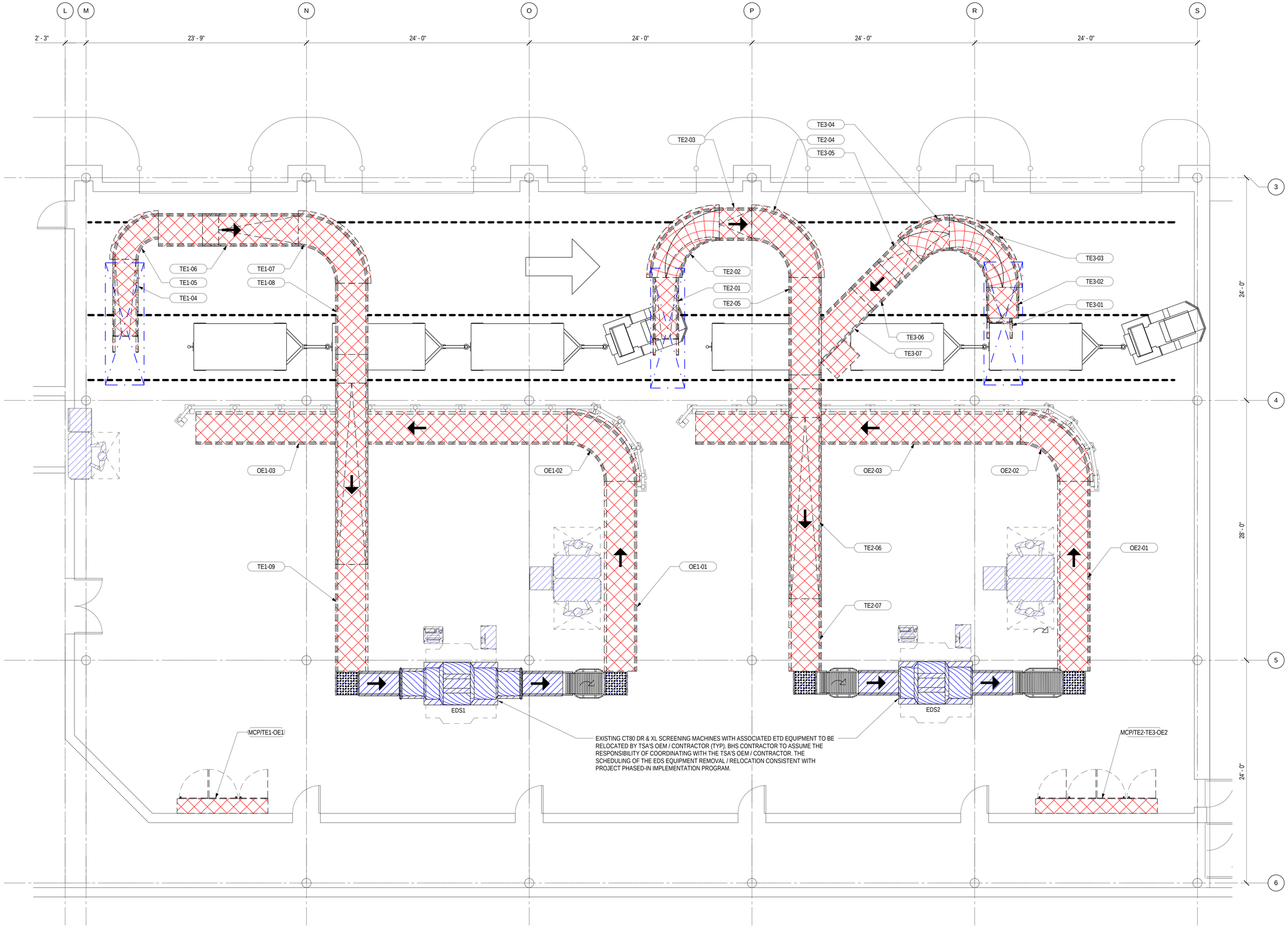
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL EXISTING CONDITIONS

SHEET NUMBER:

B-101



1 PARTIAL PLAN - BASEMENT LEVEL - BHS DEMO

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

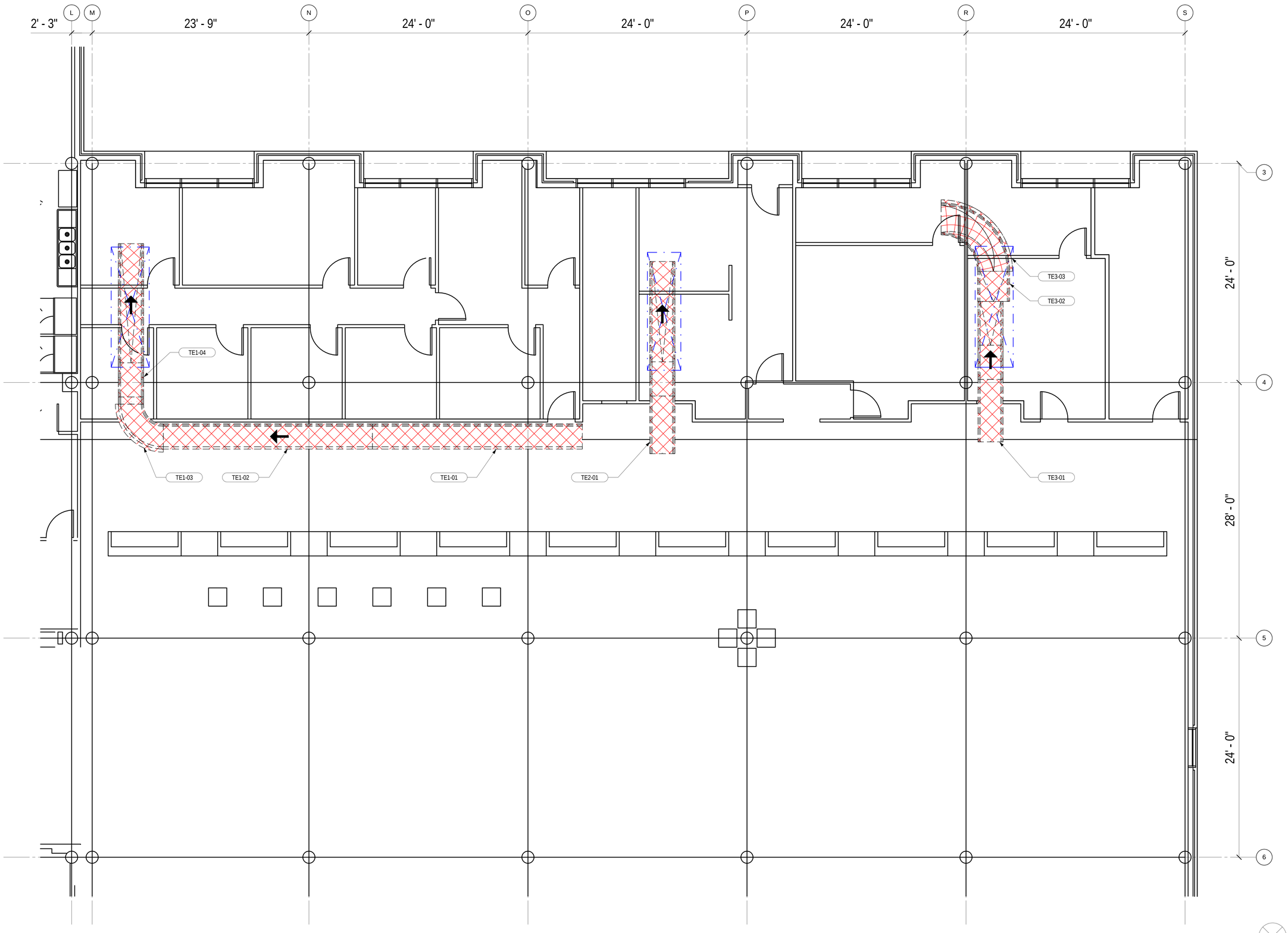
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND DEMO PLAN

SHEET NUMBER:

B-102



1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - BHS DEMO

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

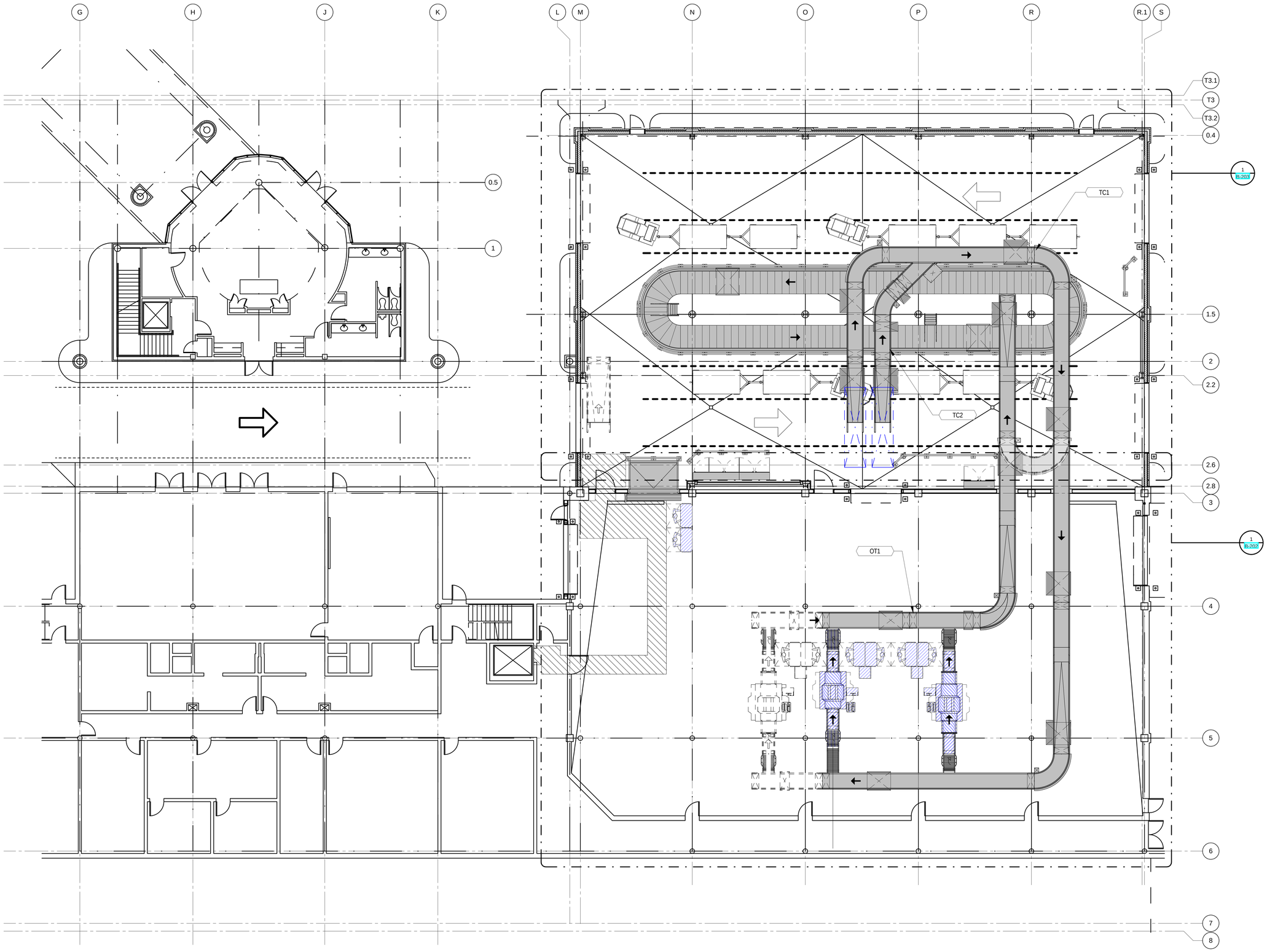
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL OUTBOUND DEMO PLAN

SHEET NUMBER:

B-103



1 GENERAL ARRANGEMENT - BASEMENT LEVEL - PROPOSED BHS

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

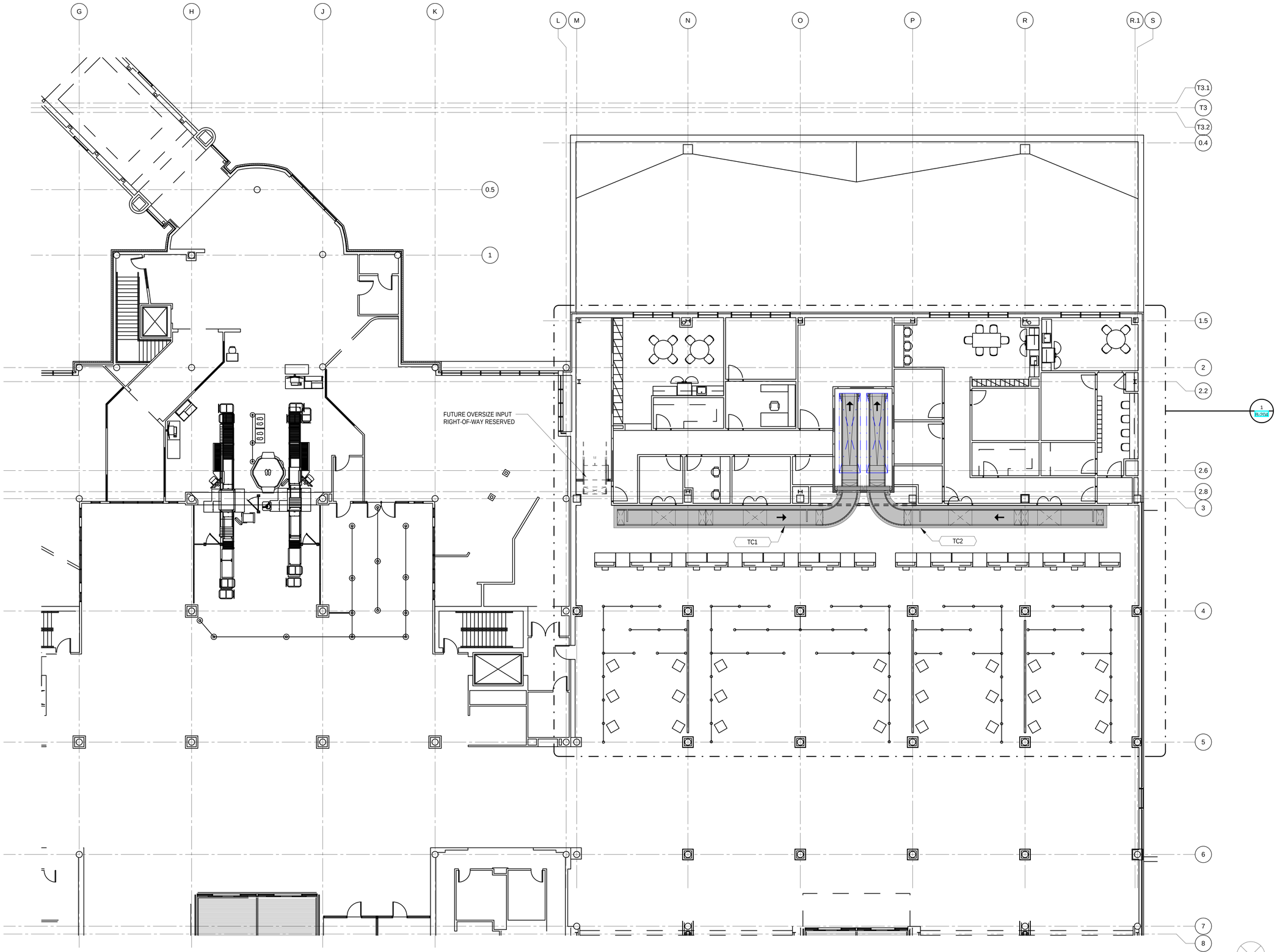
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL PROPOSED

SHEET NUMBER:

B-200



1 GENERAL ARRANGEMENT - DEPARTURES LEVEL - PROPOSED BHS

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

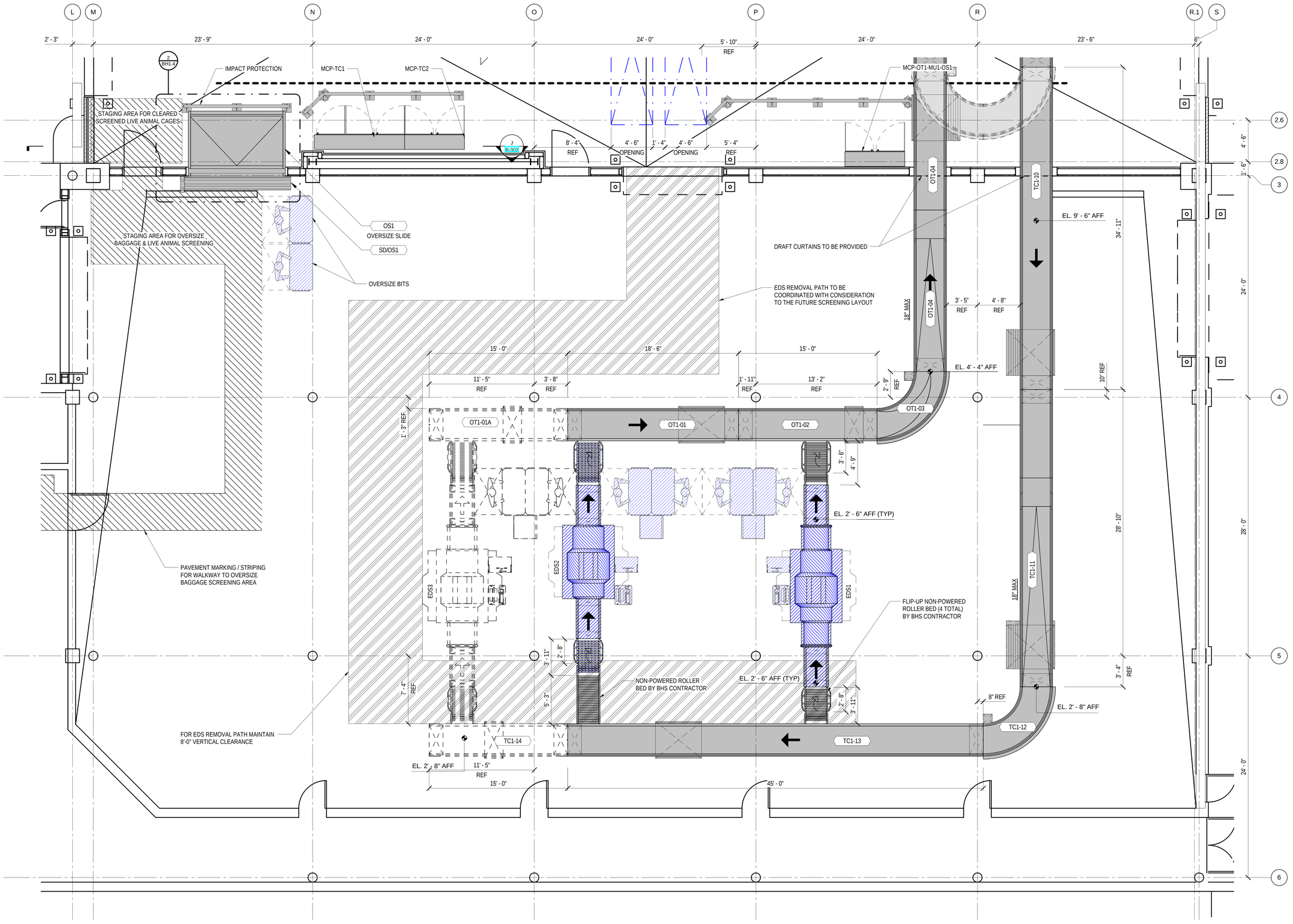
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL PROPOSED

SHEET NUMBER:

B-201



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS OUTBOUND TRANSPORT / SCREENING

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

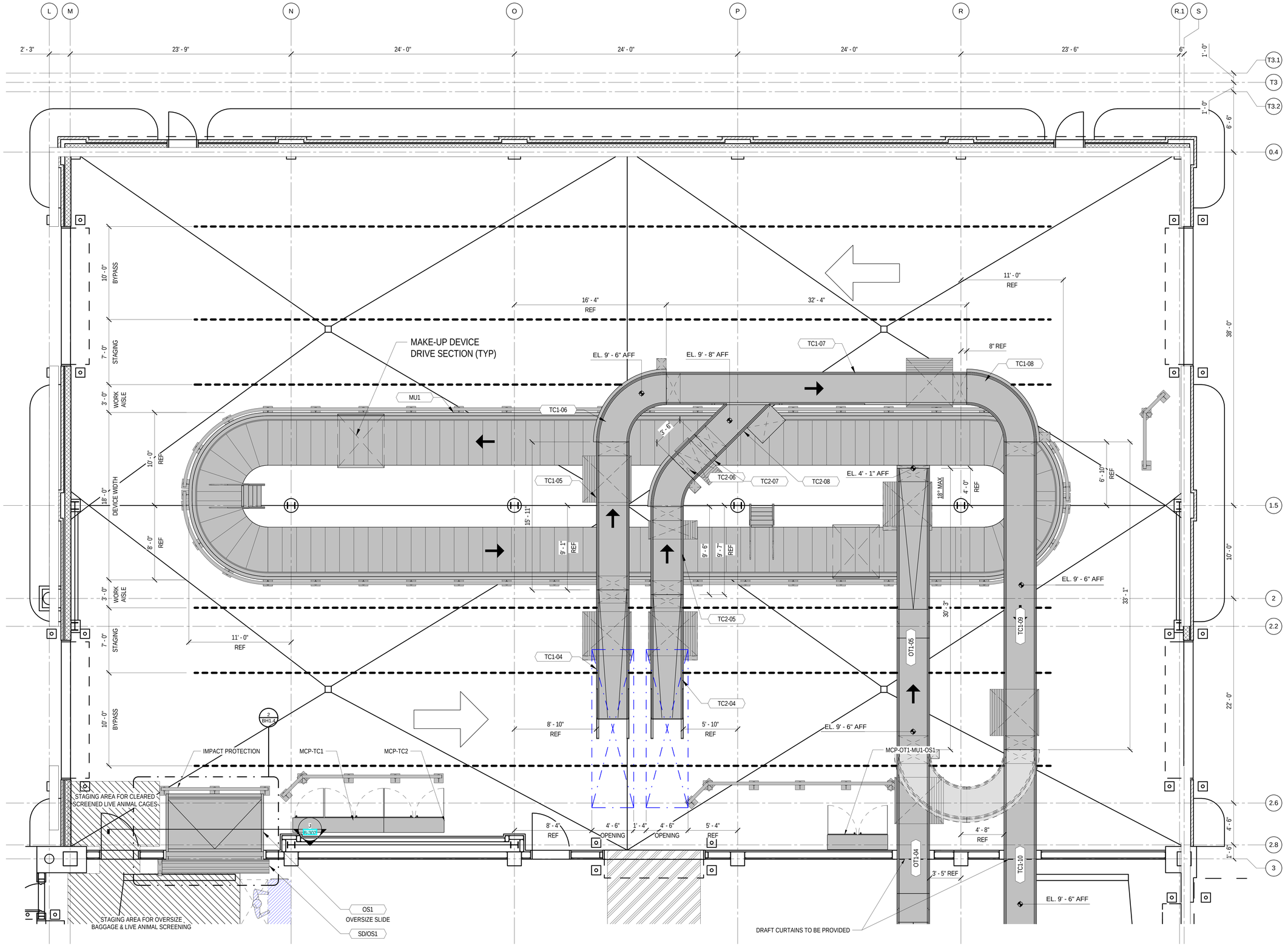
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED SCREENING

SHEET NUMBER:

B-202



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS OUTBOUND TRANSPORT / MAKE-UP

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

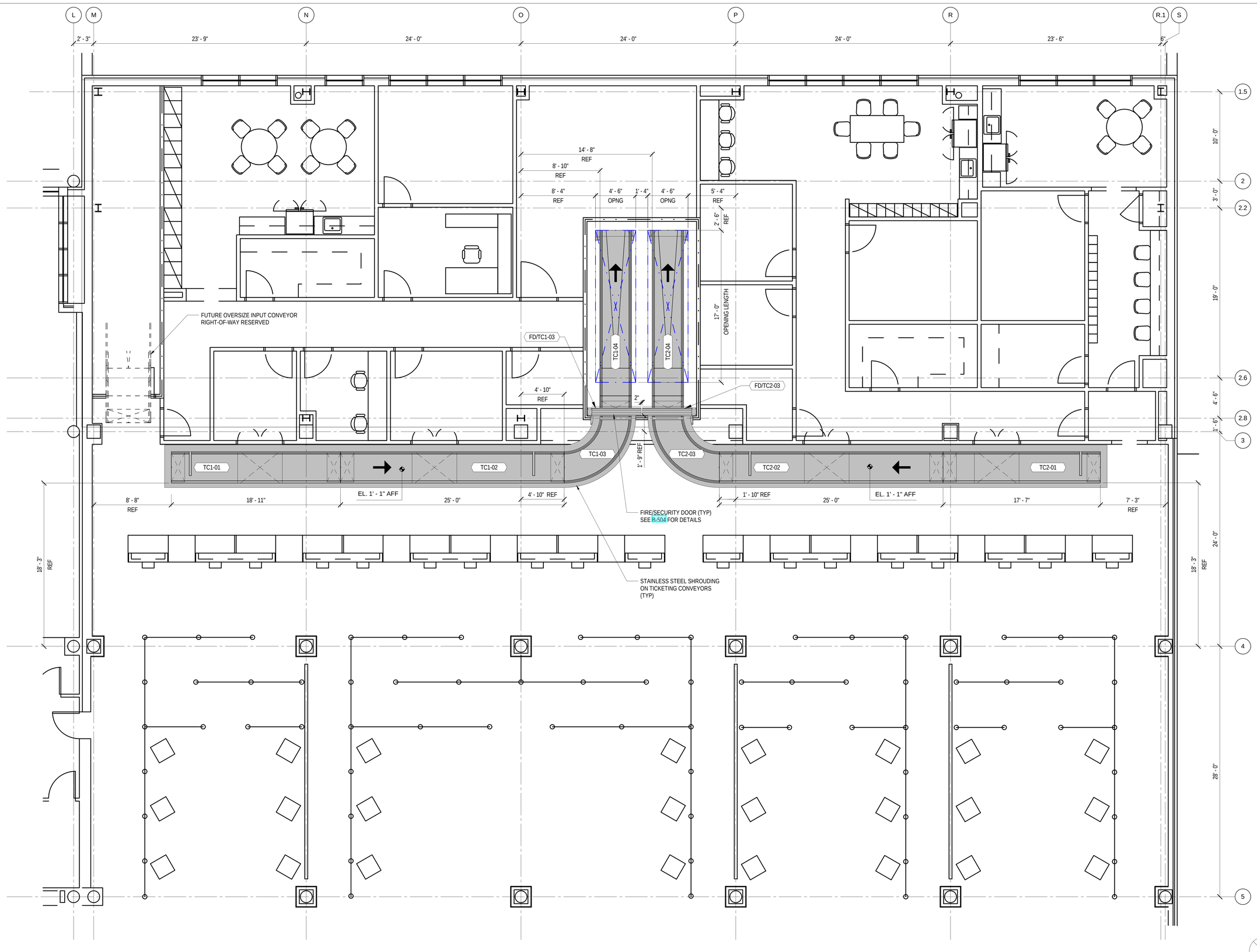
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED MAKE-UP

SHEET NUMBER:

B-203



1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - PROPOSED BHS TICKETING

1/4" = 1'-0"

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

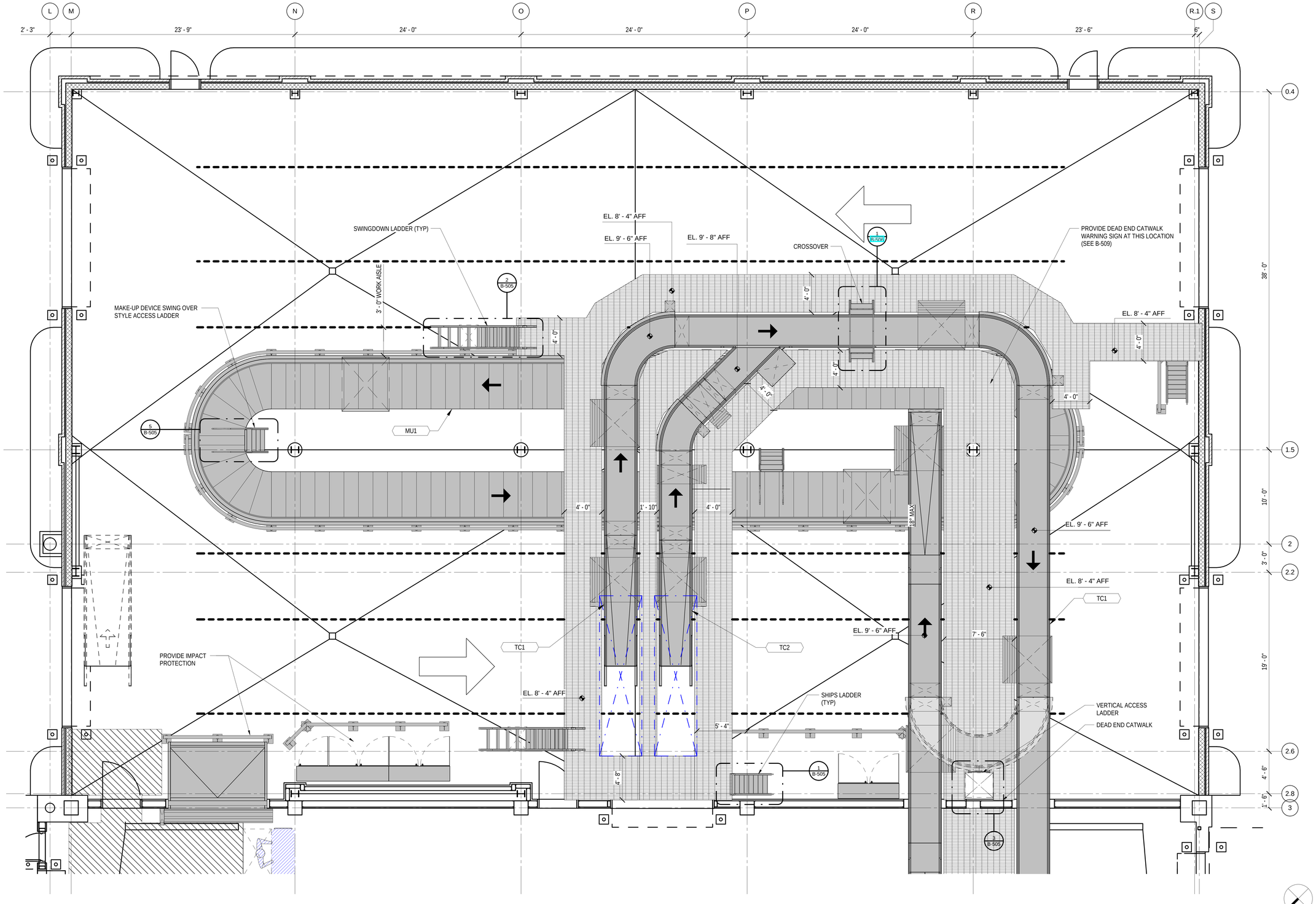
BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL OUTBOUND PROPOSED

SHEET NUMBER:

B-204

MAINTENANCE CATWALK NOTES:

1. THE MAINTENANCE CATWALKS AND WALKWAYS THAT ARE SHOWN ON THESE DRAWINGS ARE INTENDED AS TYPICAL SCHEMATIC EXAMPLES OF WHERE CATWALKS AND WALKWAYS ARE TO BE PROVIDED AND THE APPROXIMATE CONFIGURATION.
2. PROVIDE AND INSTALL AS A MINIMUM THE MAINTENANCE CATWALKS AND ASSOCIATED LADDERS, STAIRS AND CROSS-OVERS THAT ARE SHOWN IN THIS DRAWING PACKAGE.
3. WHERE FIXED STAIRS OR LADDERS ARE NOT FEASIBLE, PROVIDE ACCESS TO REMOTE JAM OR MAINTENANCE POINTS BY ROLLING STAIR OR SCISSOR LIFT.
4. REFER TO SPECIFICATION FOR REQUIREMENTS AND CRITERIA ON SYSTEM MAINTENANCE AND OPERATIONAL ACCESS, RELATING TO CATWALKS, ROLLING STAIRS, CROSS-OVERS AND SCISSOR LIFTS.



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS CATWALK & ACCESS MAKE-UP AREA

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

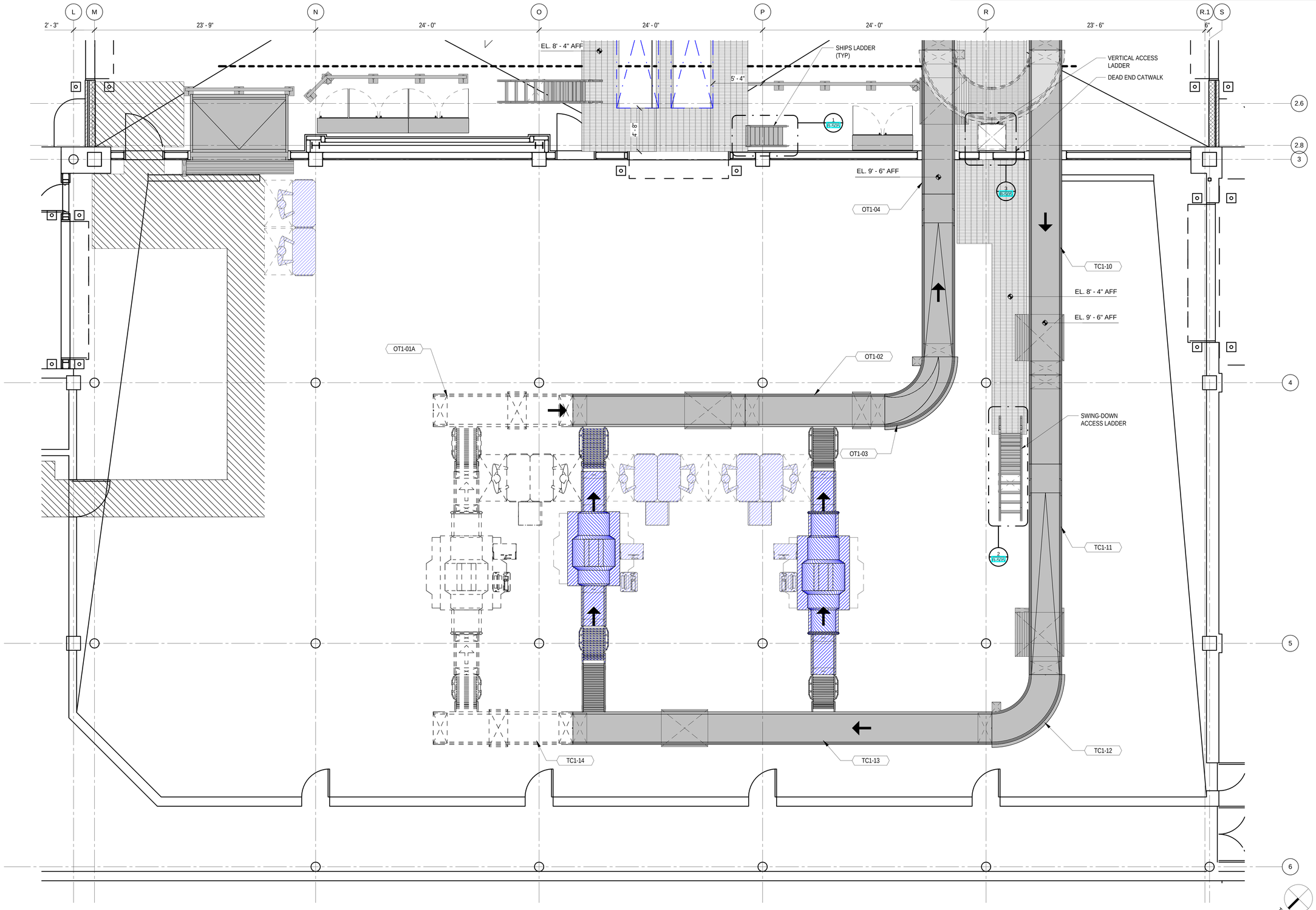
BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED CATWALK PLAN MAKE-UP AREA

SHEET NUMBER:

B-205

MAINTENANCE CATWALK NOTES:

1. THE MAINTENANCE CATWALKS AND WALKWAYS THAT ARE SHOWN ON THESE DRAWINGS ARE INTENDED AS TYPICAL SCHEMATIC EXAMPLES OF WHERE CATWALKS AND WALKWAYS ARE TO BE PROVIDED AND THE APPROXIMATE CONFIGURATION.
2. PROVIDE AND INSTALL AS A MINIMUM THE MAINTENANCE CATWALKS AND ASSOCIATED LADDERS, STAIRS AND CROSS-OVERS THAT ARE SHOWN IN THIS DRAWING PACKAGE.
3. WHERE FIXED STAIRS OR LADDERS ARE NOT FEASIBLE, PROVIDE ACCESS TO REMOTE JAM OR MAINTENANCE POINTS BY ROLLING STAIR OR SCISSOR LIFT.
4. REFER TO SPECIFICATION FOR REQUIREMENTS AND CRITERIA ON SYSTEM MAINTENANCE AND OPERATIONAL ACCESS, RELATING TO CATWALKS, ROLLING STAIRS, CROSS-OVERS AND SCISSOR LIFTS.



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS CATWALK & ACCESS SCREENING AREA

1/4" = 1'-0"

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

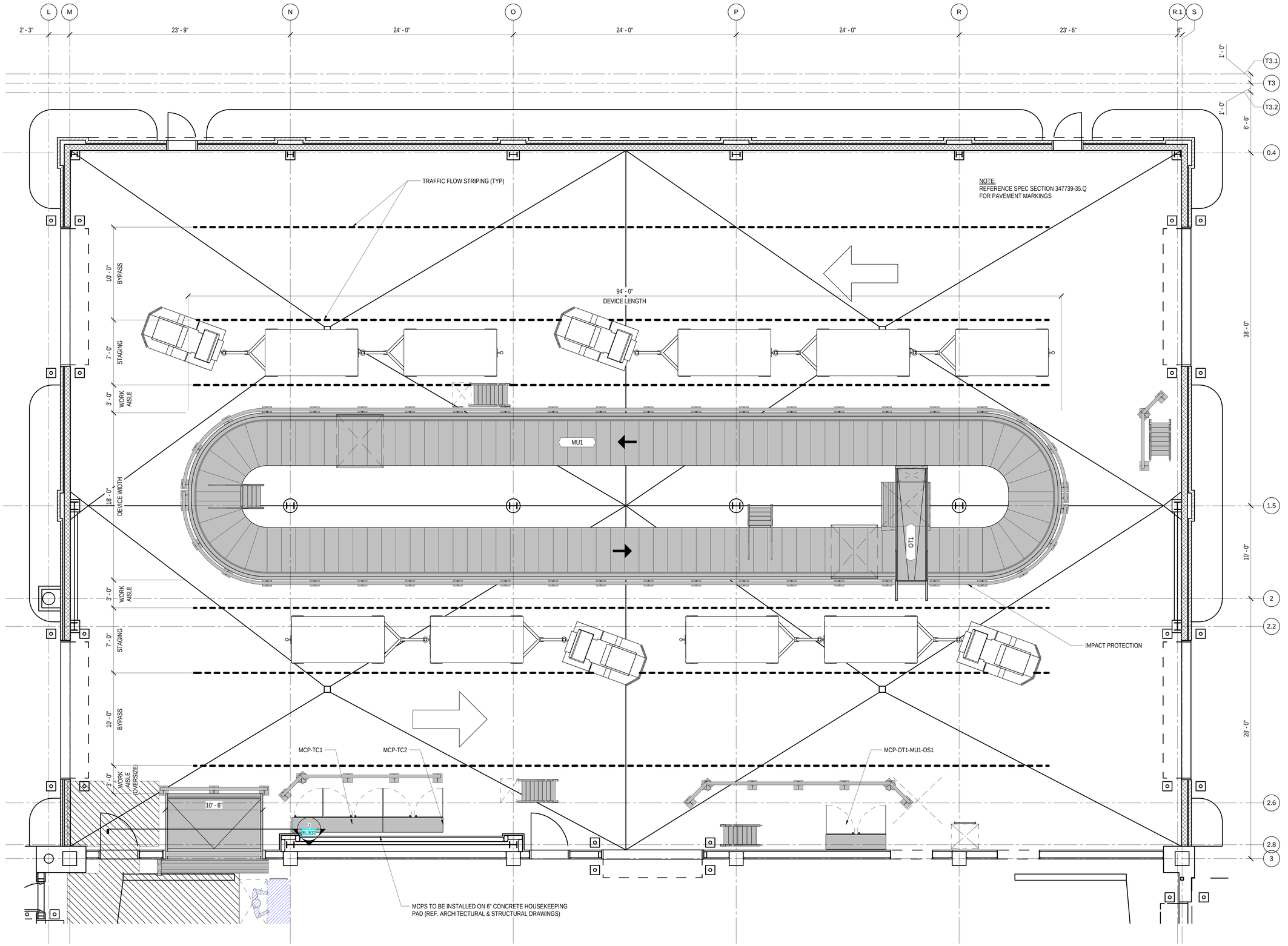
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED CATWALK PLAN SCREENING AREA

SHEET NUMBER:

B-206



1 DETAIL PLAN - BASEMENT LEVEL - PAVEMENT MARKINGS & BHS MAKE-UP TRAFFIC

1/4" = 1'-0"

TRUE NORTH

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

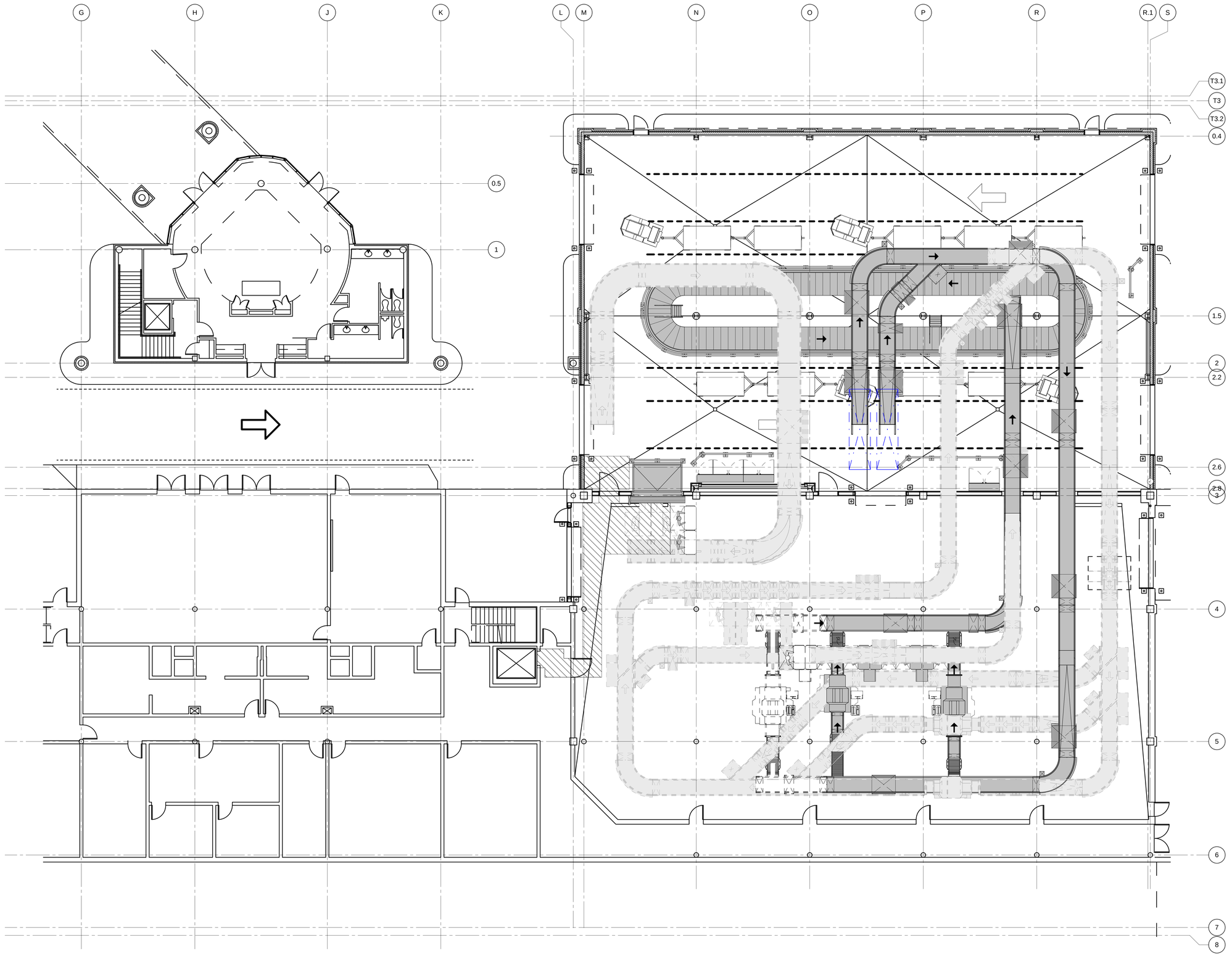
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND PROPOSED MAKE-UP TRAFFIC PLAN

SHEET NUMBER:

B-207



1 GENERAL ARRANGEMENT - BASEMENT LEVEL - FUTURE BHS RIGHT-OF-WAYS TO BE PRESERVED

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

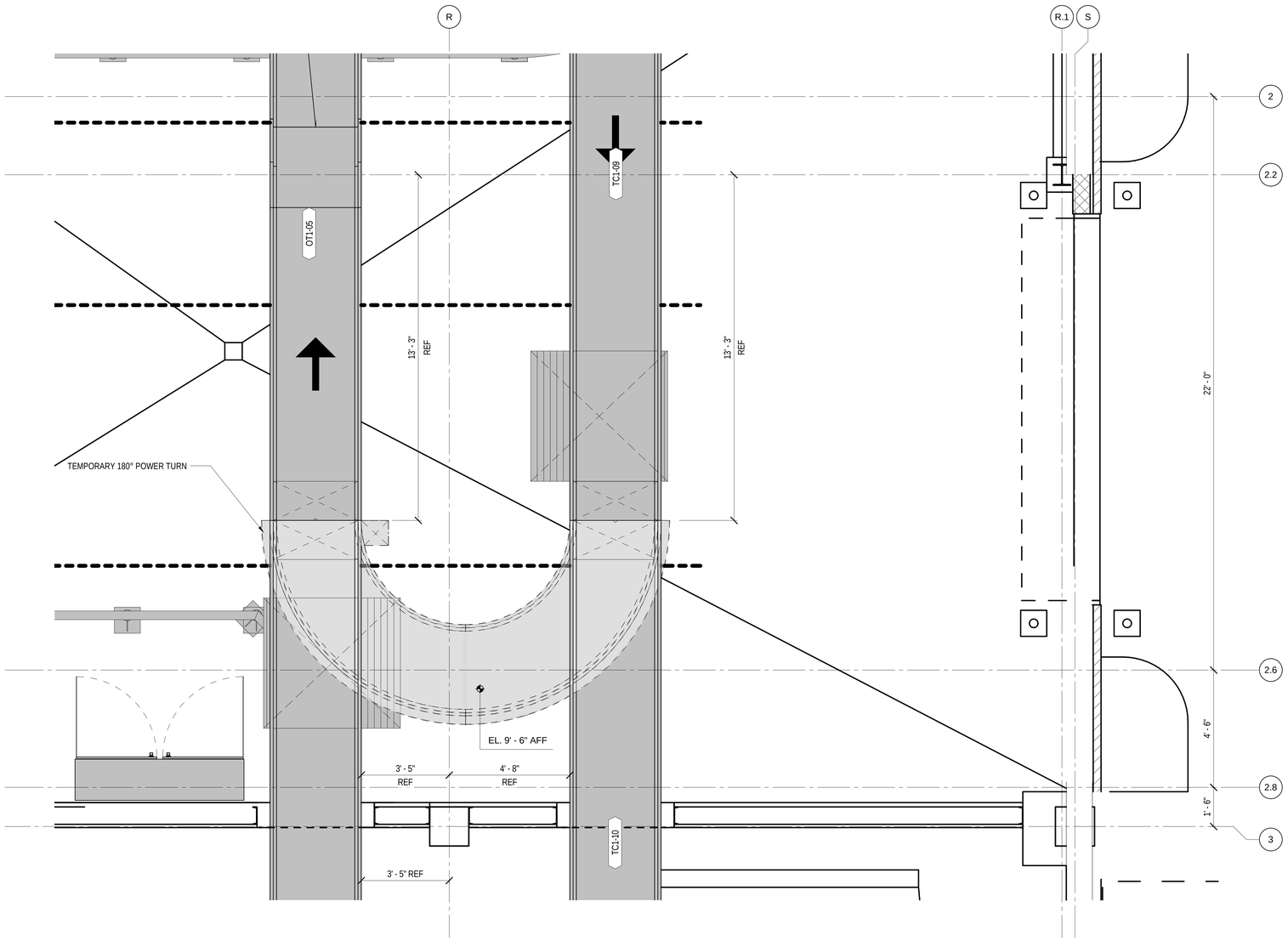
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL OUTBOUND FUTURE RIGHT-OF-WAY CONSIDERATION

SHEET NUMBER:

B-208



1 DETAIL PLAN - BASEMENT LEVEL - TEMPORARY CONVEYOR CONNECTION (180° POWER TURN)

1/2" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

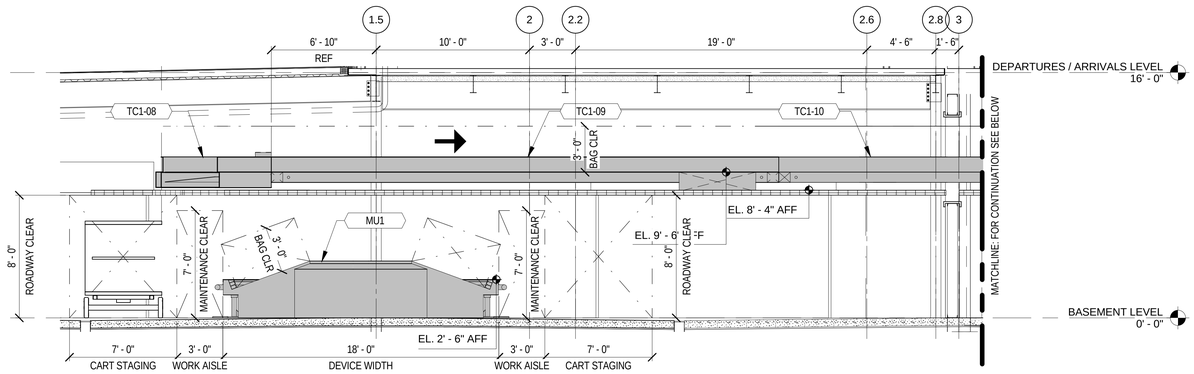
BAGGAGE HANDLING EQUIPMENT DETAIL PLANS TEMPORARY CONVEYOR

TRUE NORTH

1/2" = 1'-0"

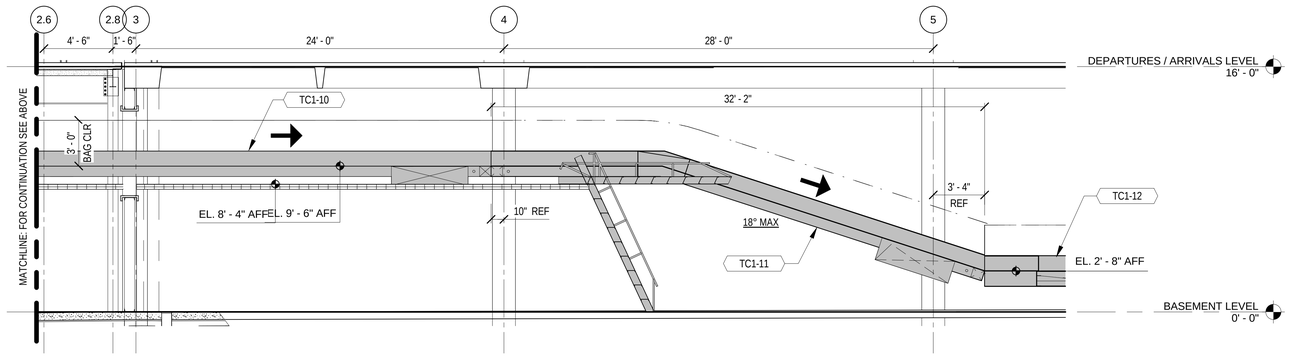
SHEET NUMBER:

B-209



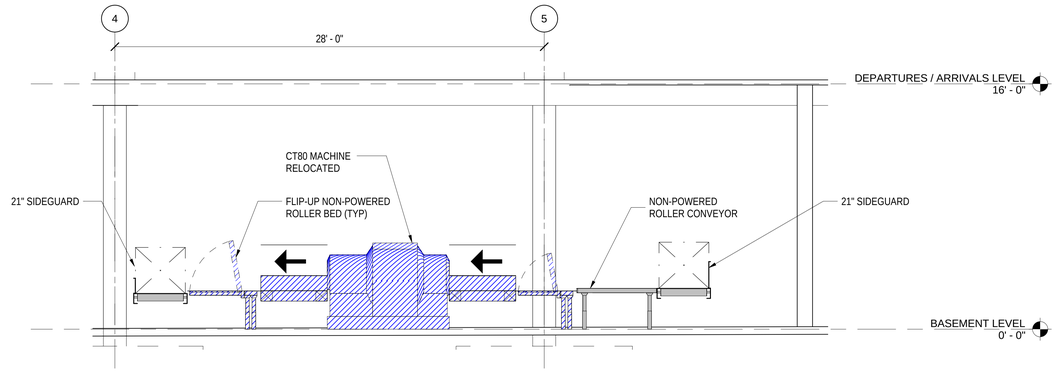
A TC1 TRANSPORT OVER MAKE-UP AREA

1/4" = 1'-0"



B TC1 DECLINE INTO SCREENING AREA

1/4" = 1'-0"



C TYPICAL STAND-ALONE SCREENING OPERATION

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

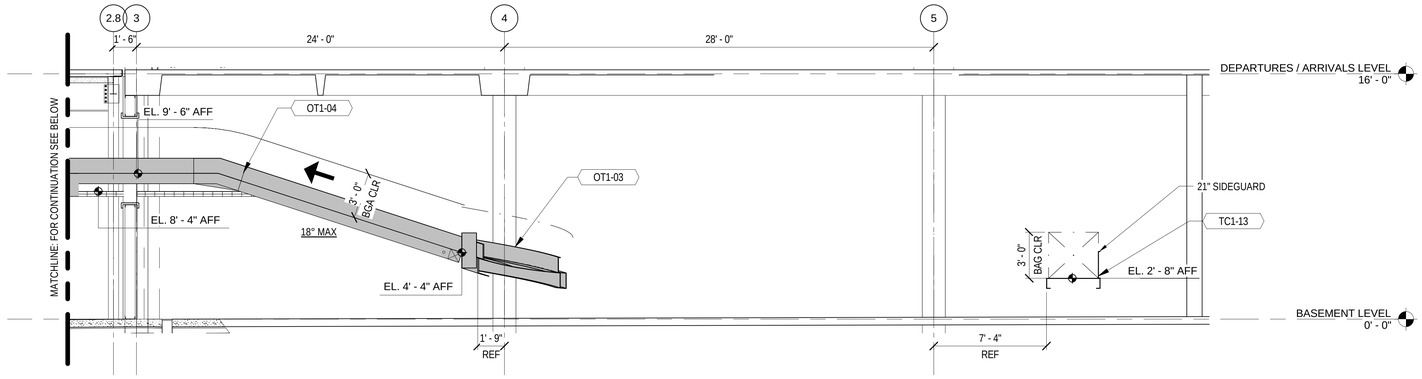
BAGGAGE HANDLING EQUIPMENT SECTIONS

TRUE NORTH

1/4" = 1'-0"

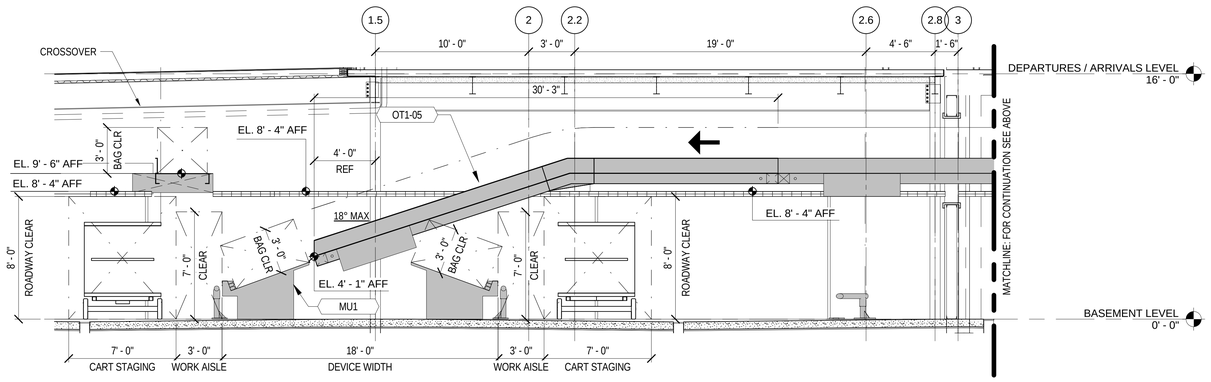
SHEET NUMBER:

B-300



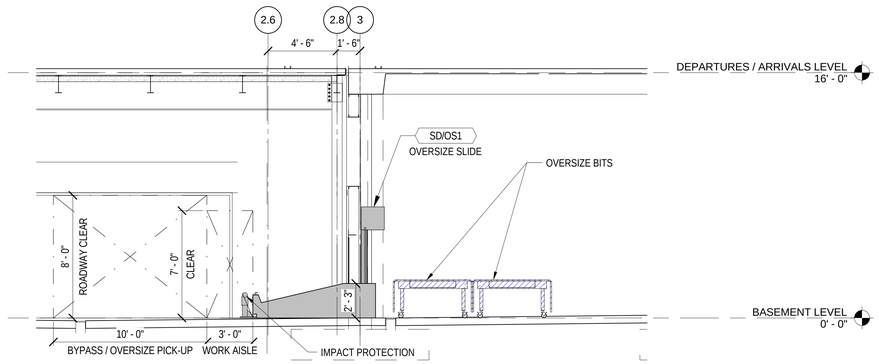
D OT1 INCLINE INTO MAKE-UP AREA

1/4" = 1'-0"



E OT1 DECLINE INTO MAKE-UP AREA

1/4" = 1'-0"



F OVERSIZE MAKE-UP SLIDE PICK-UP LOCATION

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

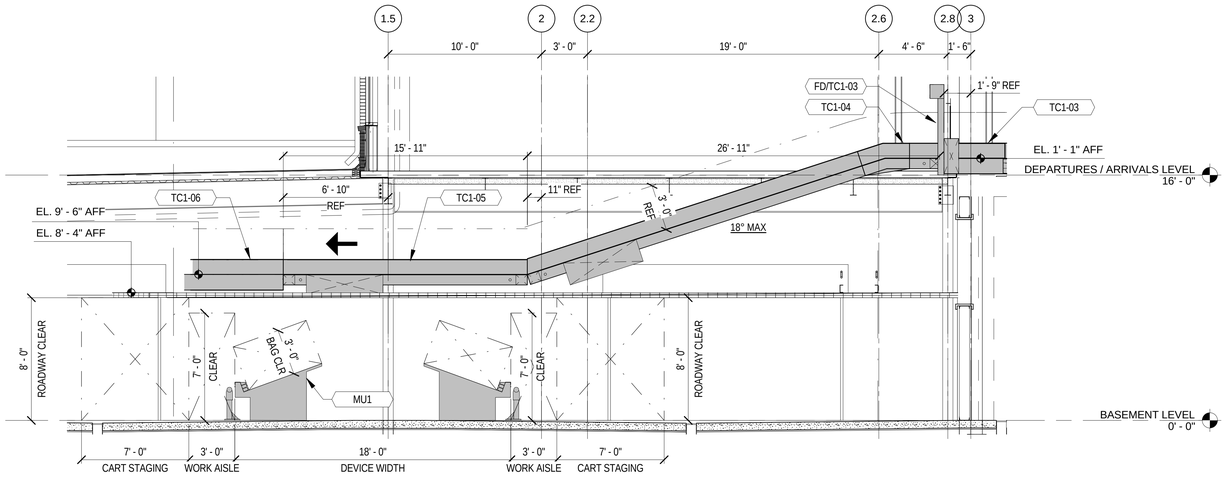
BAGGAGE HANDLING EQUIPMENT SECTIONS

TRUE NORTH

1/4" = 1'-0"

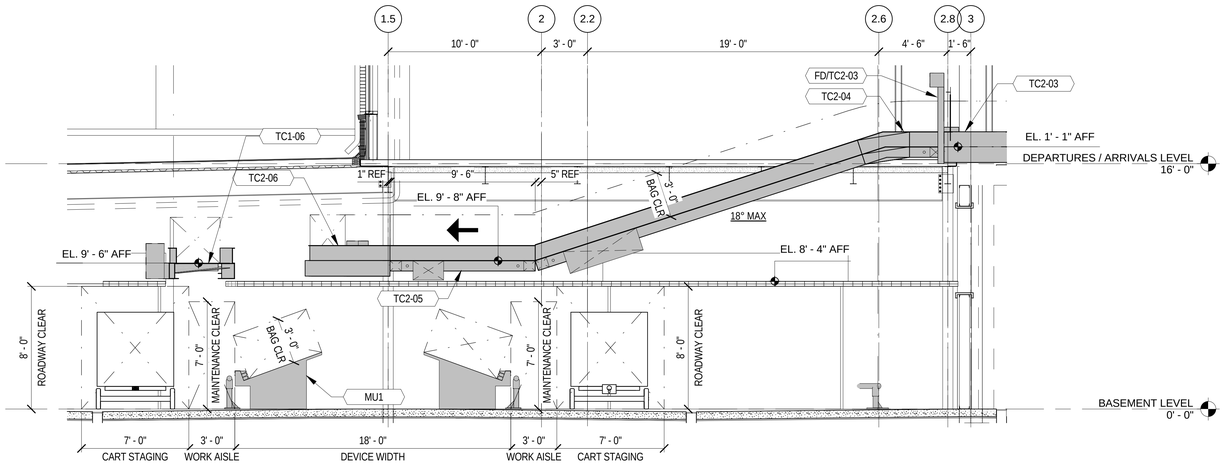
SHEET NUMBER:

B-301



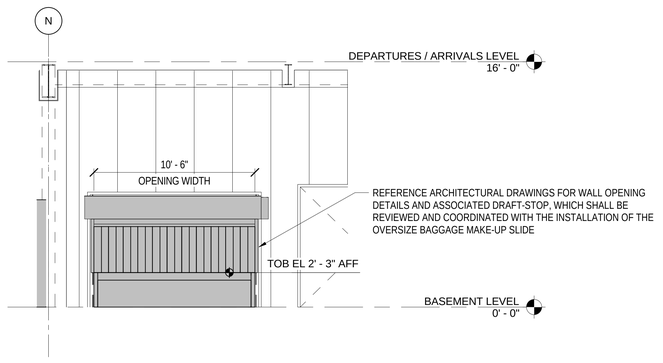
G TC1 DECLINE FROM TICKETING DEPARTURES/ARRIVALS LEVEL

1/4" = 1'-0"



H TC2 DECLINE FROM TICKETING DEPARTURES/ARRIVALS LEVEL

1/4" = 1'-0"



J OVERSIZE MAKE-UP SLIDE AND SECURITY DOOR

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT SECTIONS

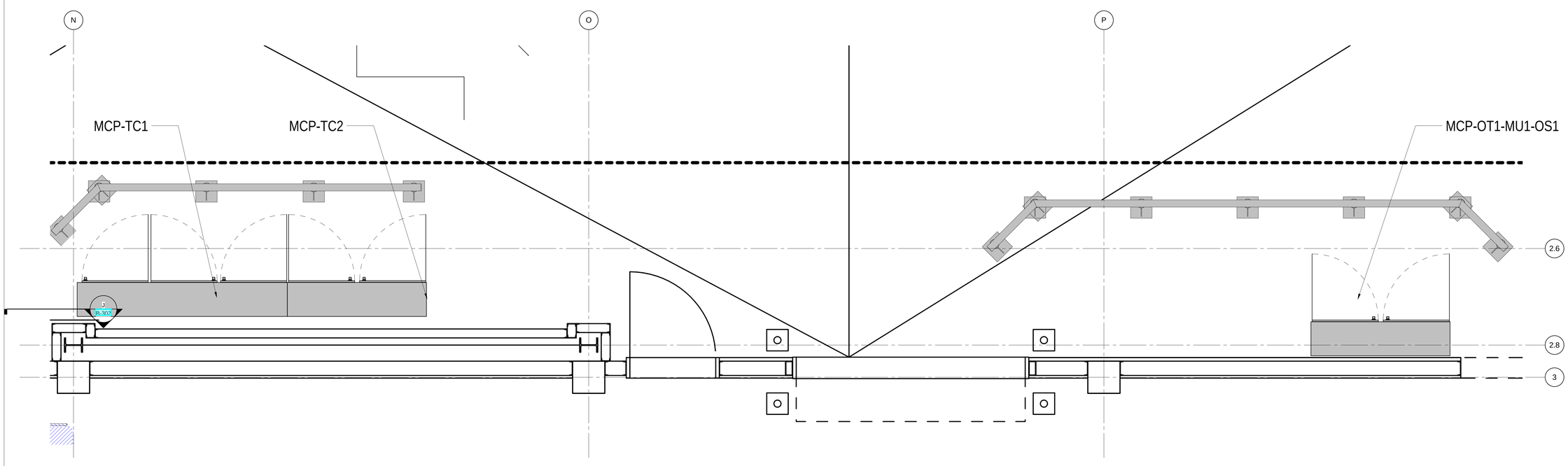
TRUE NORTH

1/4" = 1'-0"

SHEET NUMBER:

B-302

FINAL CONITIONS – ESTIMATED POWER SUMMARY					
Subsystem	**HP**	**Total FLA**	**#Motors**	**VFD's**	**MCP-Size (Number of Bays)**
Ticketing Subsystem (TC1)	37	79	16	4	3
Ticketing Subsystem (TC2)	18	46	8	1	2
Outbound Transport and Baggage Make-up Subsystems (OT1, MU1 & OS Slide Security Door)	30	63	8	2	2
Total:	**85**	**188**	**32**	**7**	**7**



1/2" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

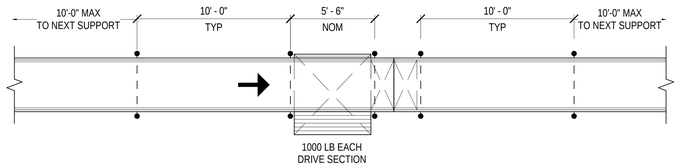
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS

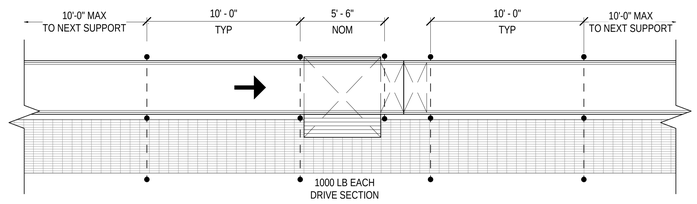
SHEET NUMBER:

B-400



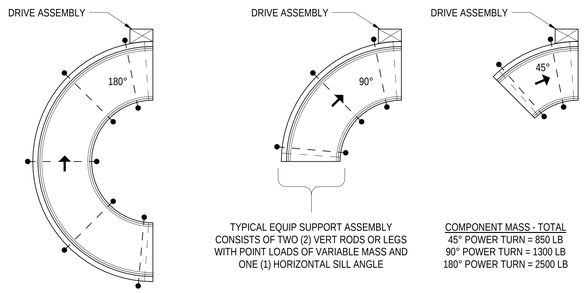
1 SINGLE LEVEL CONVEYOR STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"



2 SINGLE LEVEL CONVEYOR AND CATWALK STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"

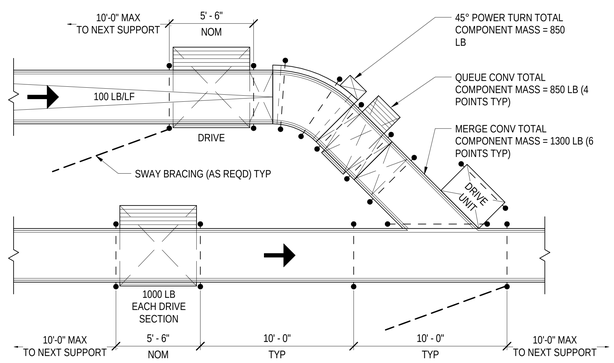


TYPICAL EQUIP SUPPORT ASSEMBLY
CONSISTS OF TWO (2) VERT RODS OR LEGS
WITH POINT LOADS OF VARIABLE MASS AND
ONE (1) HORIZONTAL SILL ANGLE

COMPONENT MASS - TOTAL
45° POWER TURN = 850 LB
90° POWER TURN = 1300 LB
180° POWER TURN = 2500 LB

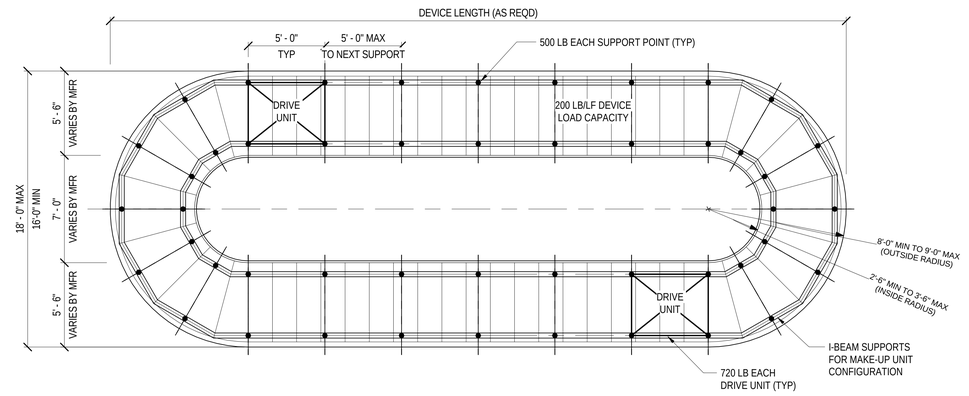
3 POWER TURNS STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"



4 CONVEYOR MERGE STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"



5 INCLINE PLATE DEVICE SUPPORTS

1/4" = 1'-0"

GENERAL LOAD NOTES:

1. THE CONVEYOR ATTACHMENT METHODS REPRESENTED ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE BAGGAGE HANDLING SYSTEM CONTRACTOR IS REQUIRED TO SUBMIT CONVEYOR ATTACHMENT DETAILS INCLUDING LOADING CALCULATIONS BY A REGISTERED PROFESSIONAL ENGINEER TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
2. ALL STRUCTURAL DESIGNS AND ATTACHMENTS SHALL COMPLY WITH ALL STATE, LOCAL AND NATIONAL GOVERNING CODES AND REGULATIONS. ALL CONVEYOR EQUIPMENT SHALL BE CAPABLE OF SUPPORTING A SINGLE CONCENTRATED LOAD OF 250 LB.

BHS SUPPORT ATTACHMENT:

1. WHEN CONNECTING TO BUILDING STEEL USE BEAM CLAMPS SIZED FOR THE BOTTOM FLANGE OF THE BEAM. USE A (MIN) 3/4" DIA THREADED ROD FOR HANGING SUPPORT.
2. WHEN CONNECTING TO THE CONCRETE STRUCTURE USE EITHER A HILTI "KWIK BOLT" OR RAWLING "RAWL-STUD" IN SHEAR FOLLOWS:

   1000 LB LOAD USE MIN 3/8" DIA WITH 2-1/2" EMBEDMENT (MIN)
   1500 LB LOAD USE MIN 1/2" DIA WITH 3-1/2" EMBEDMENT (MIN)
   2000 LB LOAD USE MIN 5/8" DIA WITH 4" EMBEDMENT (MIN)
   MIN SPACING 4" WITH 8" EDGE DISTANCE.

BAGGAGE CONVEYOR LOADS:

1. DURING THE DETAIL DESIGN PERIOD, THE FOLLOWING LOADS WERE SUPPLIED TO THE STRUCTURAL ENGINEER FOR USE IN DETERMINING THE LOADS GENERATED BY THE CONVEYOR EQUIPMENT (STATIC AND DYNAMIC LOADS COMBINED). DURING THE BIDDING PERIOD, PROVIDE AND CLEARLY IDENTIFY ANY CONVEYOR EQUIPMENT LOADING REQUIREMENTS MORE STRINGENT THAN WHAT IS SHOWN IN THESE DOCUMENTS THAT MAY BE ESSENTIAL FOR EQUIPMENT CONNECTIONS TO THE BUILDING STRUCTURE.

STANDARD CONV BED SECTION	100 LB/LF
CONV DRIVE	1000 LB EA
MINI CONV DRIVE	850 LB EA
POWER TURN 90°	1300 LB EA
POWER TURN 45°	850 LB EA
INCLINE PLATE DEVICE	200 LB/LF
QUEUE CONV	850 LB EA

BAGGAGE CONVEYOR AND CATWALK LOADS:

1. THE CONVEYOR SUPPORT POINT LOADING PLACEMENT AND CONFIGURATION SHOWN IS REPRESENTATIVE OF ONE POSSIBLE CONFIGURATION. THIS DIAGRAMMATIC VIEW IS PROVIDED FOR USE BY THE STRUCTURAL ENGINEER IN DETERMINING ALL LOADS IMPOSED BY THE NEW BAGGAGE EQUIPMENT AND ASSOCIATED SERVICES. OTHER CONFIGURATIONS MAY BE PROVIDED.
2. THE BAGGAGE EQUIPMENT CONTRACTOR SHALL PROVIDE SPECIFIC DETAIL SUPPORT DESIGN FOR ALL BUILDING STRUCTURE CONNECTIONS AND ALL VERTICAL SUPPORT MEMBER CONNECTIONS TO FLOOR SLAB AND BUILDING STRUCTURE.
3. THE FINAL STRUCTURAL SUPPORT DESIGN SOLUTION IS THE RESPONSIBILITY OF THE BAGGAGE EQUIPMENT CONTRACTOR AND SHALL BE COORDINATED WITH AND APPROVED BY THE BHS CONTRACTOR'S PROFESSIONAL PROJECT ENGINEER.
4. THE BAGGAGE EQUIPMENT SUPPLIER IS RESPONSIBLE FOR THE DESIGN AND STRUCTURAL INTEGRITY OF ALL BOLTS, HANGERS, SUPPORT MEMBERS, ETC., AND SHALL PROVIDE ALL NECESSARY MATERIALS REQUIRED FOR INSTALLATION.
5. THE SYMBOLS BELOW ARE FOR LOCATING GENERAL POSITIONS OF SUPPORT LOADS. ALL SPECIFIC LOCATIONS SHOULD BE FIELD VERIFIED TO CONSIDER MAINTENANCE AND REPAIR OF ALL BEARINGS, ROLLERS, ETC.

SYMBOL	DESCRIPTION
●– – – – ●	CEILING-SUPPORTED CONVEYOR SILL ASSEMBLY (TYP +7'-6" AND ABOVE)
●——————●	FLOOR-SUPPORTED CONVEYOR PEDESTAL ASSEMBLY (TYP +7'-6" AND BELOW)
●	CONCENTRATED POINT LOAD (AT SUPPORT LOCATIONS)

6. THE CUMULATIVE LOADING OF ANY SINGLE POINT SHALL NOT EXCEED THE SUM OF THE INDIVIDUAL COMPONENT MAXIMUMS LISTED BELOW. THE MAXIMUM TOTAL INDIVIDUAL LOAD SHALL NOT EXCEED 2000 LB.

STANDARD CONV BED SECTION	500 LB
CONV DRIVE	250 LB
MINI CONV DRIVE	215 LB
POWER TURN	250 LB
INCLINE PLATE DEVICE	500 LB
QUEUE CONV	215 LB

TRUE NORTH

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

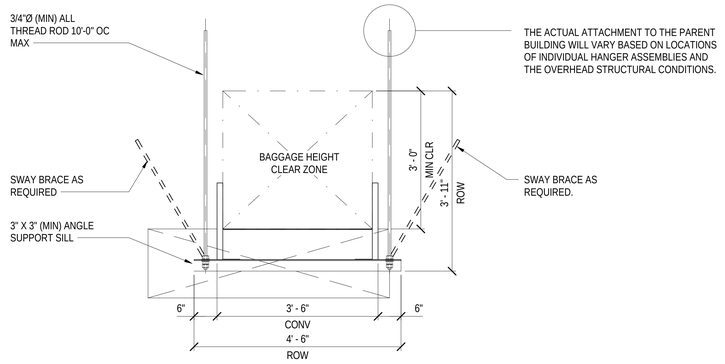
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL LOADING DIAGRAMS

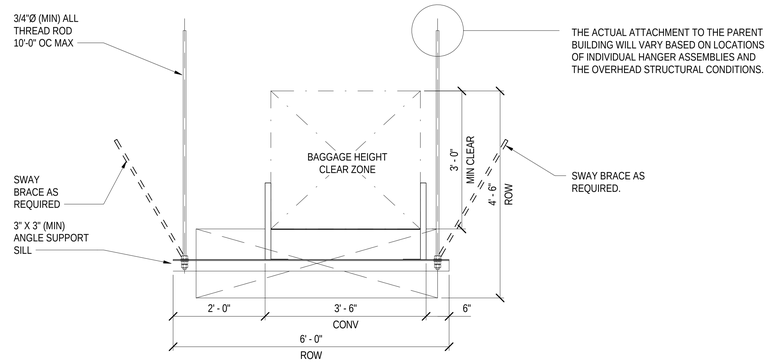
SHEET NUMBER:

B-500



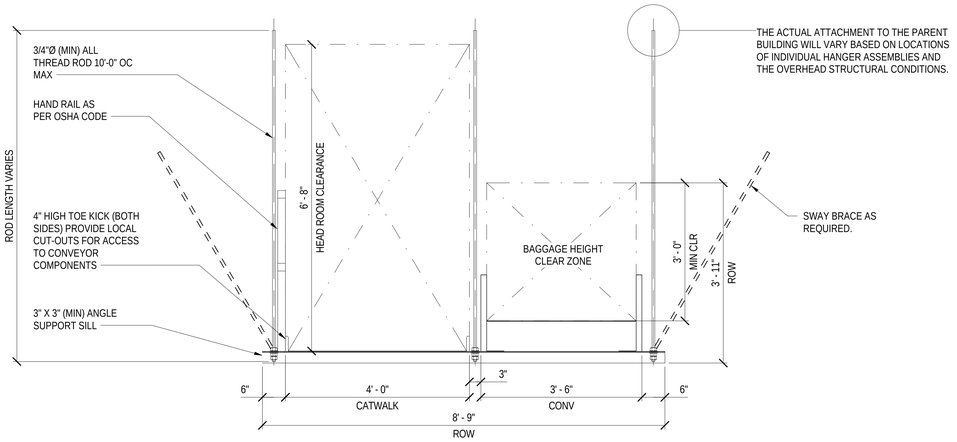
1 CONVEYOR HANGER SILL SUPPORT

3/4" = 1'-0"



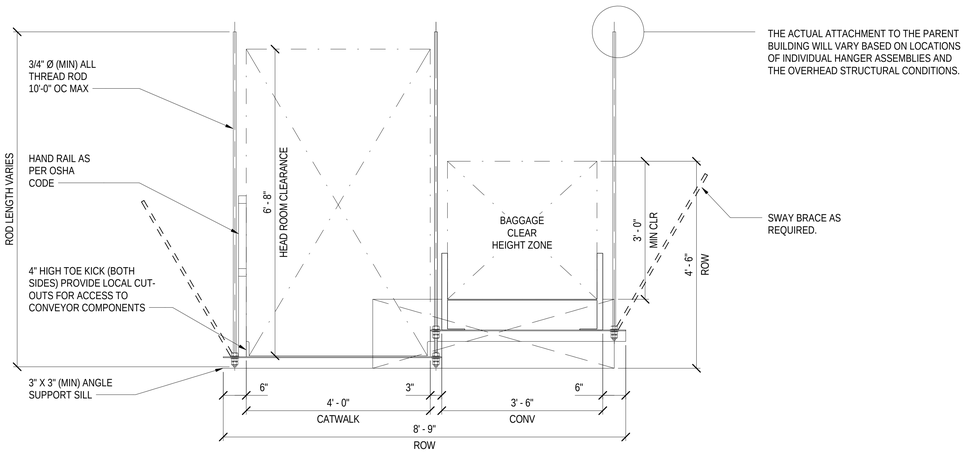
2 CONVEYOR DRIVE HANGER SILL SUPPORT

3/4" = 1'-0"



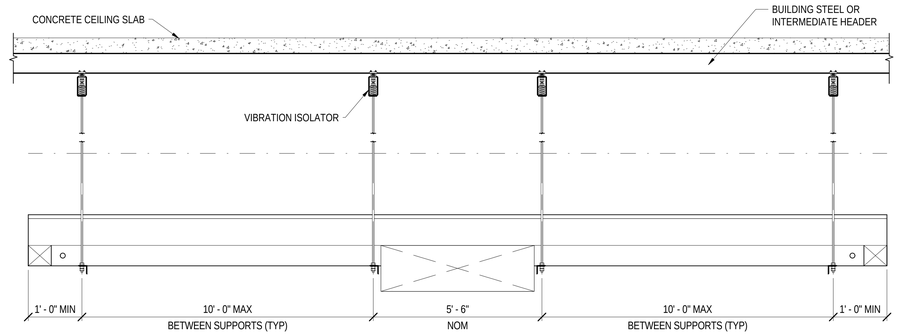
5 CONVEYOR AND CATWALK HANGER SINGLE SILL SUPPORT

3/4" = 1'-0"



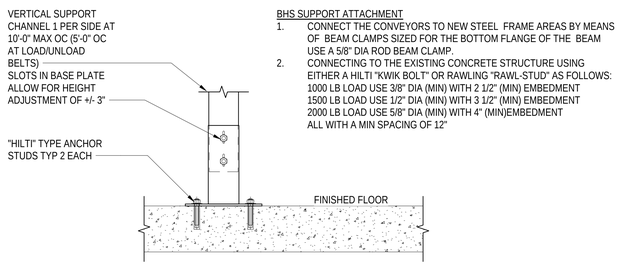
6 CONVEYOR AND CATWALK HANGER DOUBLE SILL SUPPORT

3/4" = 1'-0"



3 HANGER SUPPORTED CONVEYOR USING 'UNI-STRUT' BEAM CLAMPS AND VIBRATION ISOLATORS

1/2" = 1'-0"



4 FLOOR SUPPORTED CONVEYOR LEG ATTACHMENT

1 1/2" = 1'-0"

TRUE NORTH

As indicated

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

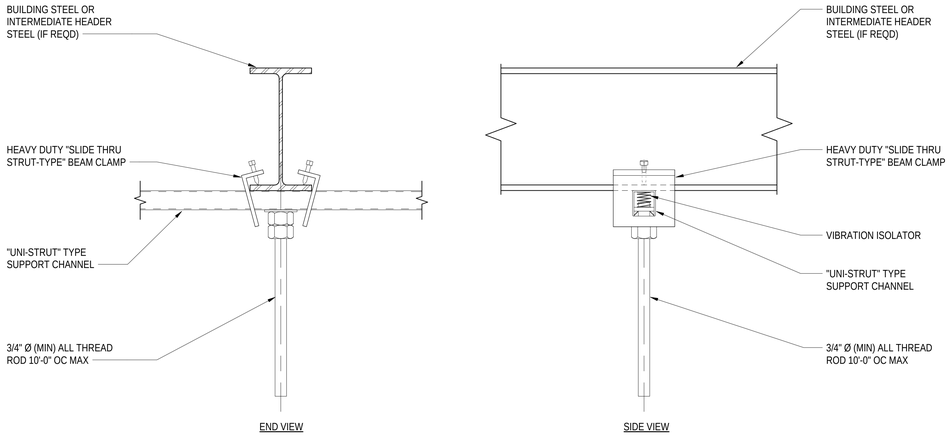
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS

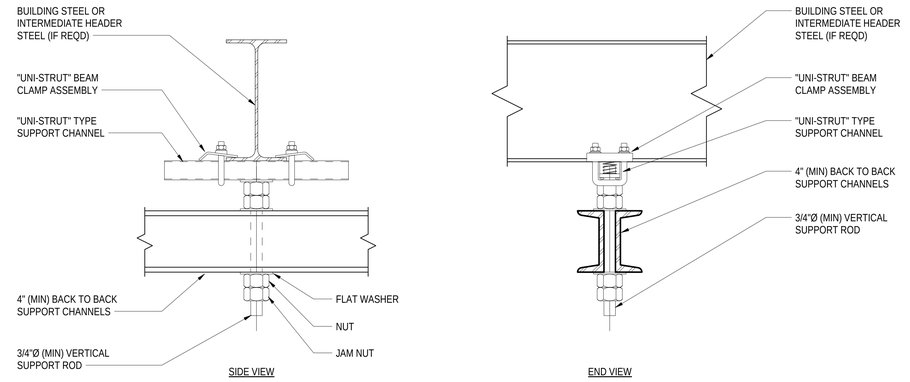
SHEET NUMBER:

B-501



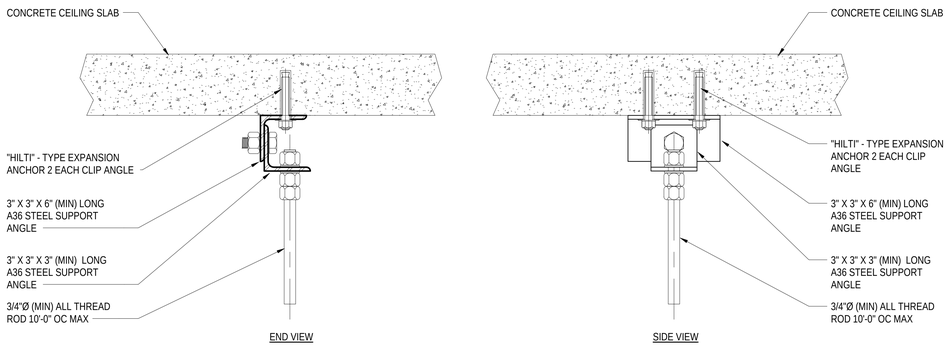
1 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP A

3" = 1'-0"



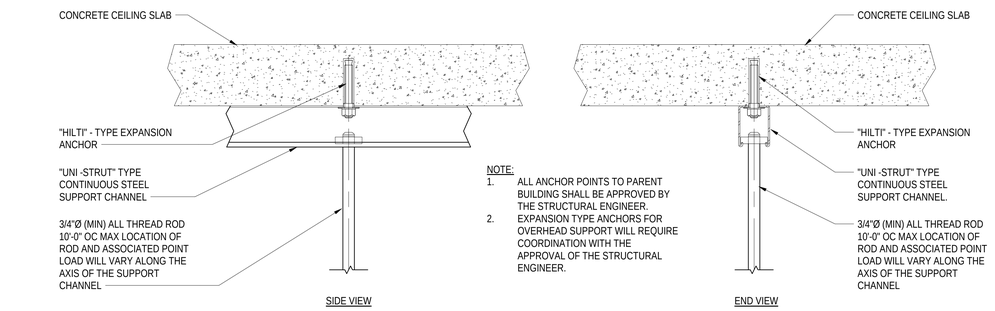
2 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP B

3" = 1'-0"



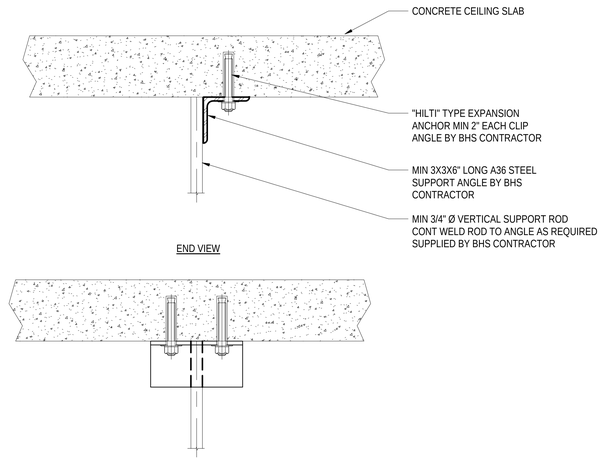
3 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE

3" = 1'-0"



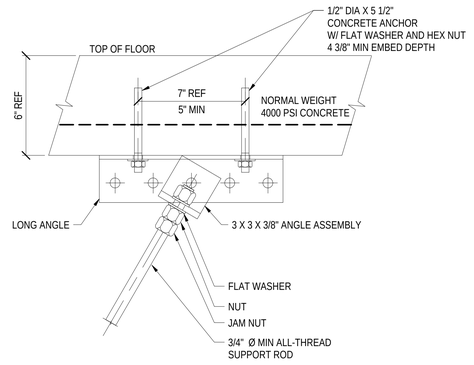
4 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - CONCRETE SLAB A

3" = 1'-0"



5 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE

3" = 1'-0"



6 TYPICAL SWAY BRACE CONNECTION TO CONCRETE DECK

3" = 1'-0"

TRUE NORTH

3" = 1'-0"

TERMINAL IMPROVEMENTS CONTRACT 2
WILMINGTON INTERNATIONAL AIRPORT
1740 AIRPORT BOULEVARD, SUITE 12
WILMINGTON, NC 28405

ARCHITECT
THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT
LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER
STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER
CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS
BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT
HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

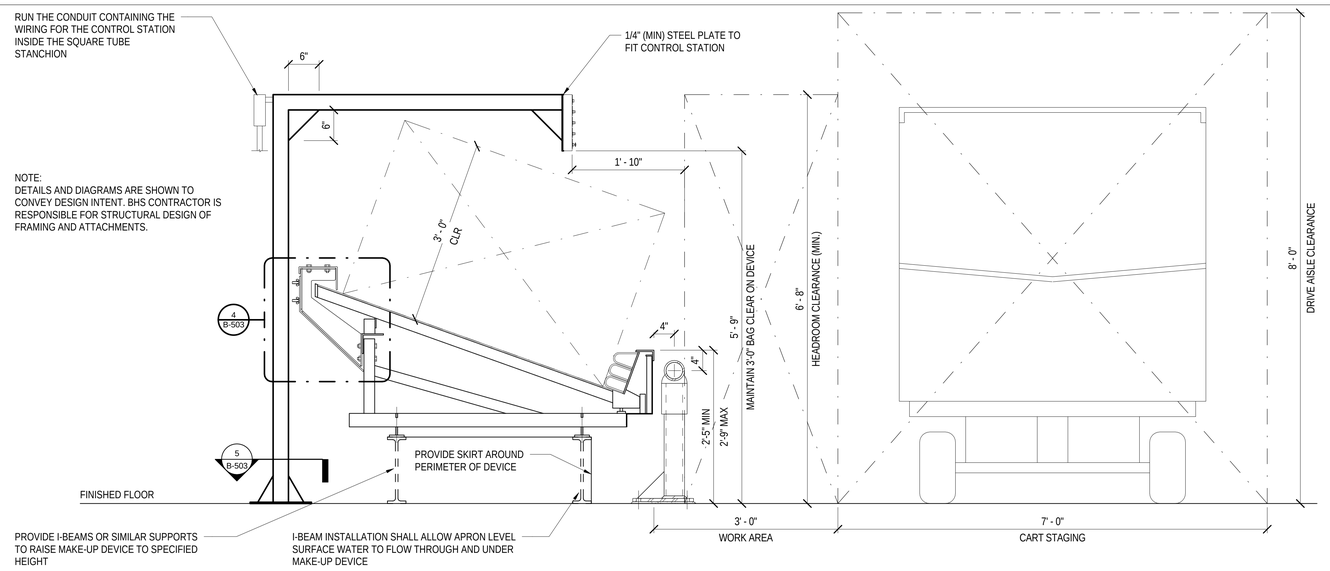
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS

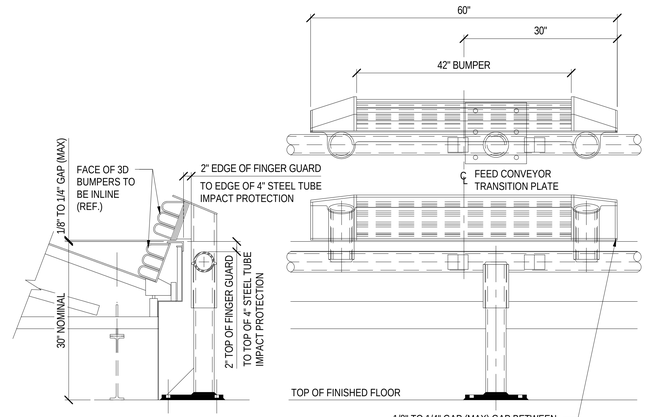
SHEET NUMBER:

B-502



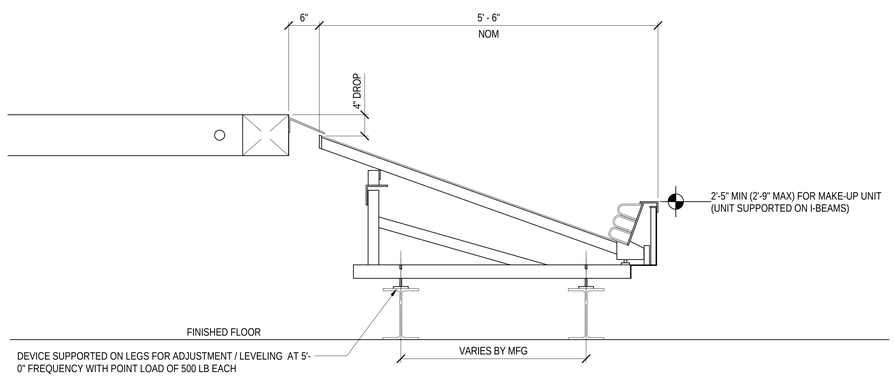
1 IMPACT PROTECTION AT INCLINE PLATE MAKE-UP DEVICE

1" = 1'-0"



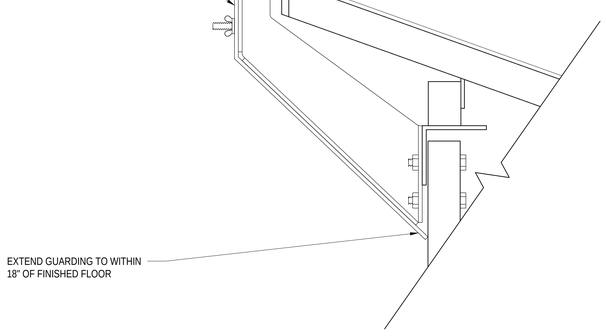
2 INCLINE PLATE MAKE-UP UNIT WITH BACK-STOP

1" = 1'-0"



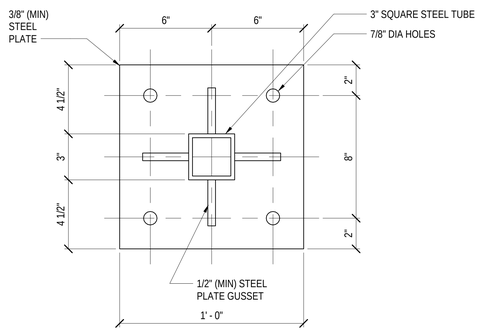
3 INCLINE PLATE DEVICE SECTION WITH TRANSITION PLATE

1" = 1'-0"



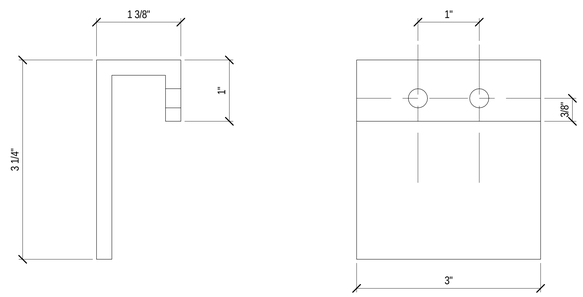
4 INCLINE PLATE MAKE-UP UNIT GUARDING

3" = 1'-0"



5 CONTROL STATION STANCHION BASE PLATE

3" = 1'-0"



6 CONTROL STATION STANCHION SIDE GUARD BRACE

12" = 1'-0"

TRUE NORTH

As indicated

REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL INCLINE PLATE MAKE-UP DETAILS

SHEET NUMBER:

B-503

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

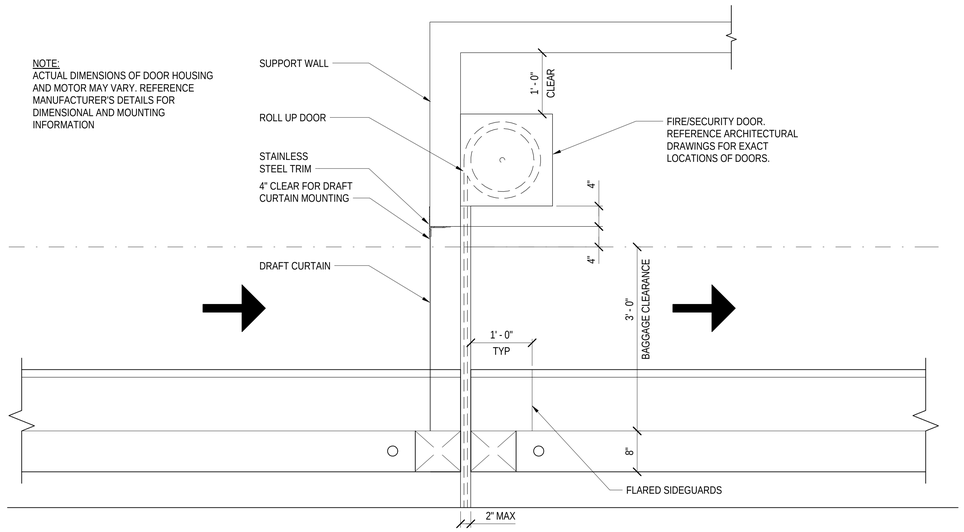
CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

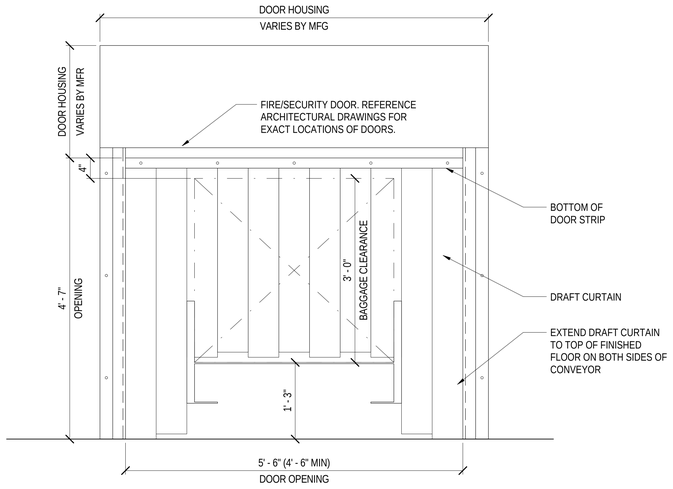
SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058



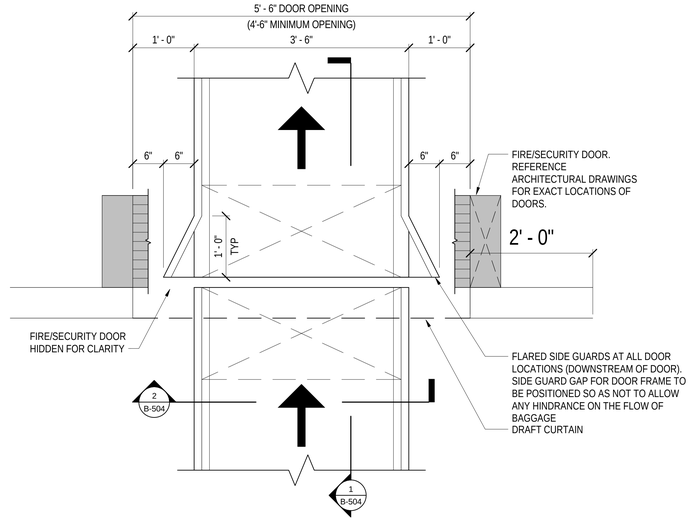
1 TYPICAL FIRE / SECURITY DOOR MOUNTING

1" = 1'-0"



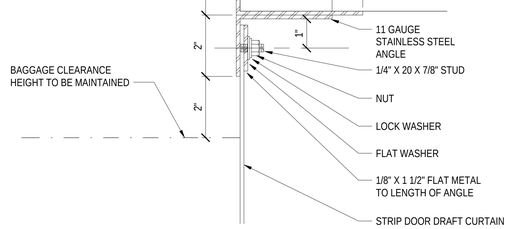
2 DOOR OPENING AT FIRE / SECURITY DOOR

1" = 1'-0"



3 FLARED SIDEGUARD FOR CONVEYOR GAP AT FIRE/SECURITY DOOR

1" = 1'-0"

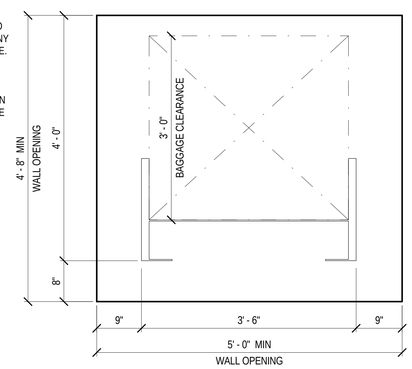


4 TYPICAL DRAFT CURTAIN MOUNTING

6" = 1'-0"

1. SIDEGUARD GAP FOR DOOR FRAME TO BE POSITIONED SO AS NOT TO ALLOW ANY HINDERANCE ON THE FLOW OF BAGGAGE.

2. PROVIDE DRAFT CURTAINS AT CONVEYOR ENCLOSURES AND AT ALL WALL/FLOOR OPENINGS. DRAFT CURTAIN SUPPORT TO MAINTAIN 3' - 0" CLEARANCE ABOVE CONVEYOR BELT.



5 TYPICAL CONVEYOR OPENING

1" = 1'-0"

TRUE NORTH

As indicated

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

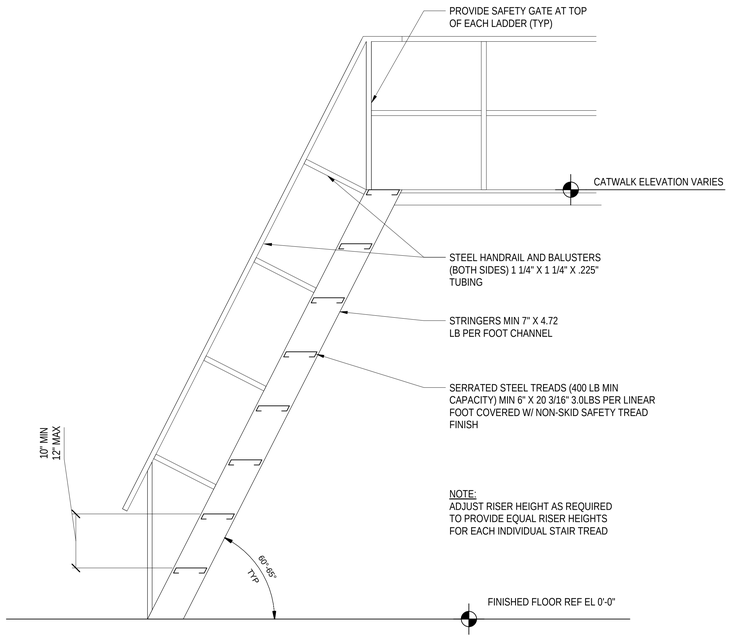
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

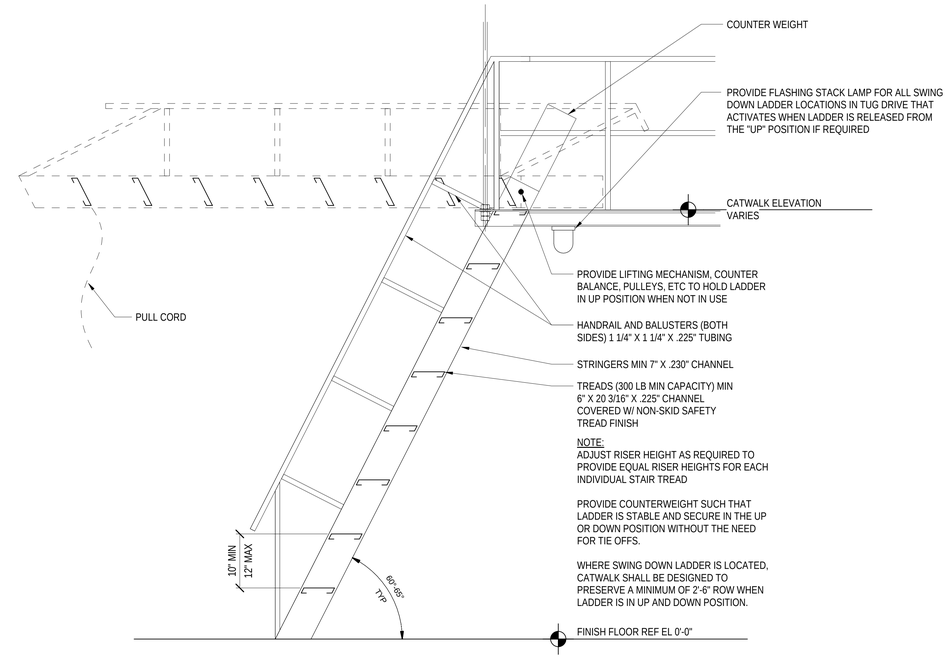
BAGGAGE HANDLING EQUIPMENT TYPICAL FIRE/SECURITY DOOR DETAILS

SHEET NUMBER:

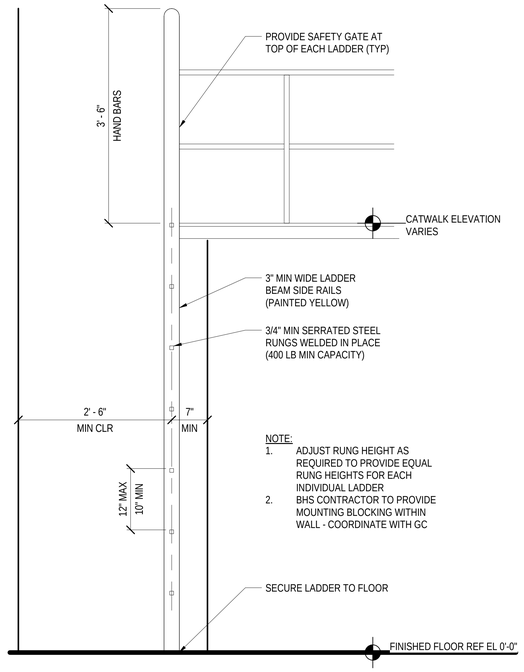
B-504



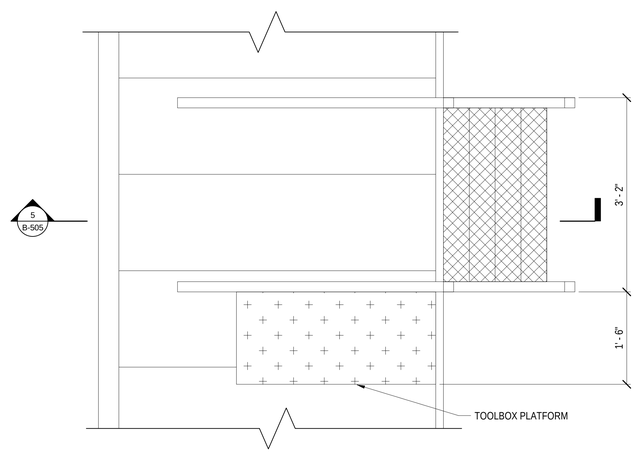
1 SHIPS LADDER FOR MAINTENANCE ACCESS
1" = 1'-0"



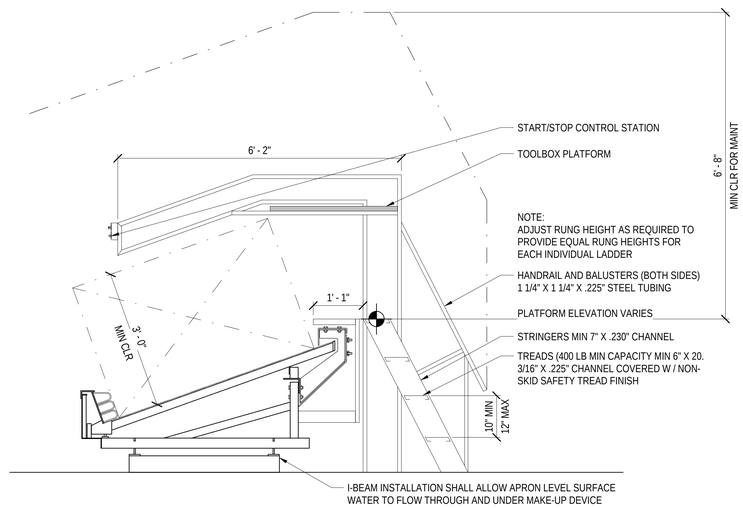
2 ALUMINUM SWING-DOWN LADDER WITH COUNTERWEIGHT
1" = 1'-0"



3 VERTICAL LADDER FOR MAINTENANCE ACCESS
1" = 1'-0"



4 CROSS-OVER MAINTENANCE ACCESS FOR INCLINE PLATE MAKE-UP DEVICE
1" = 1'-0"



5 MAKE-UP DEVICE SWING OVER STYLE MAINTENANCE ACCESS
3/4" = 1'-0"

TRUE NORTH

As indicated

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

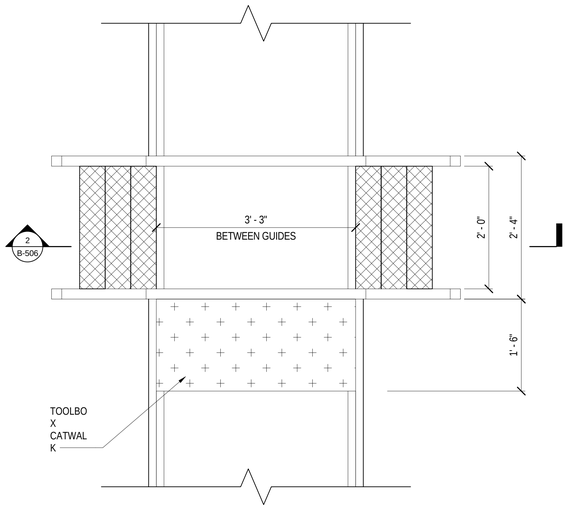
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL ACCESS LADDER DETAILS

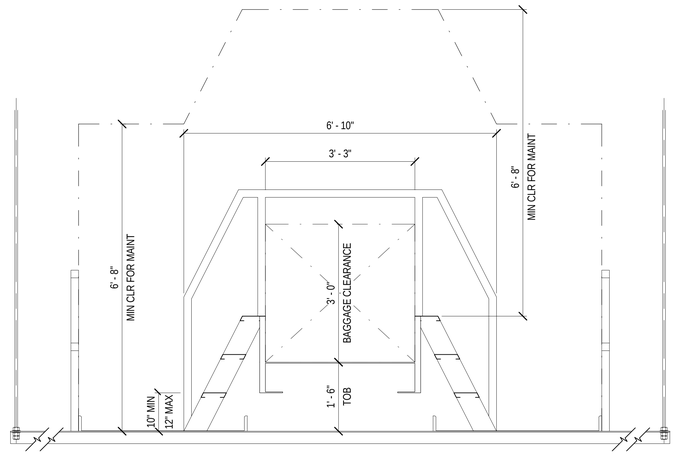
SHEET NUMBER:

B-505



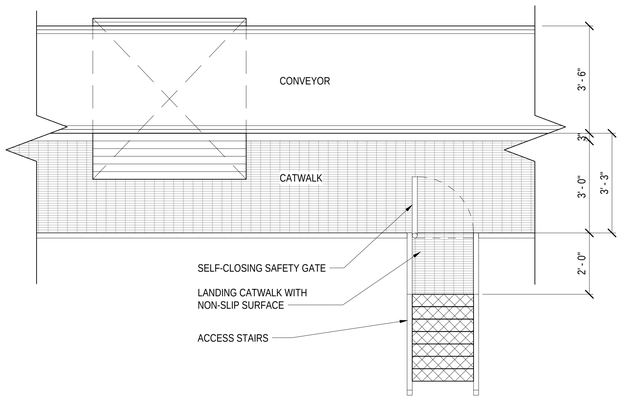
1 SWING OVER STYLE MAINTENANCE ACCESS STANDARD SINGLE CONVEYOR WIDTH

1" = 1'-0"



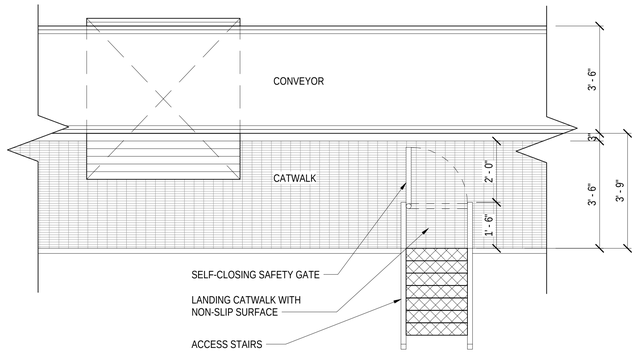
2 SWING OVER STYLE MAINTENANCE ACCESS STANDARD SINGLE CONVEYOR WIDTH - SECTION

3/4" = 1'-0"



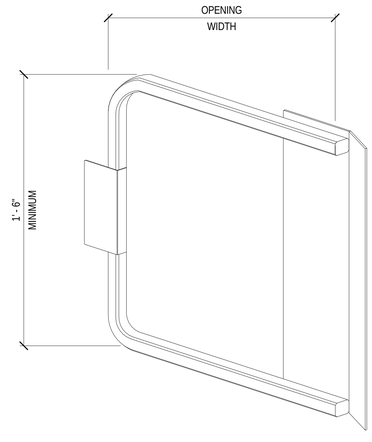
3 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE

1/2" = 1'-0"



4 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE

1/2" = 1'-0"



5 SWING GATE

3" = 1'-0"

As indicated

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

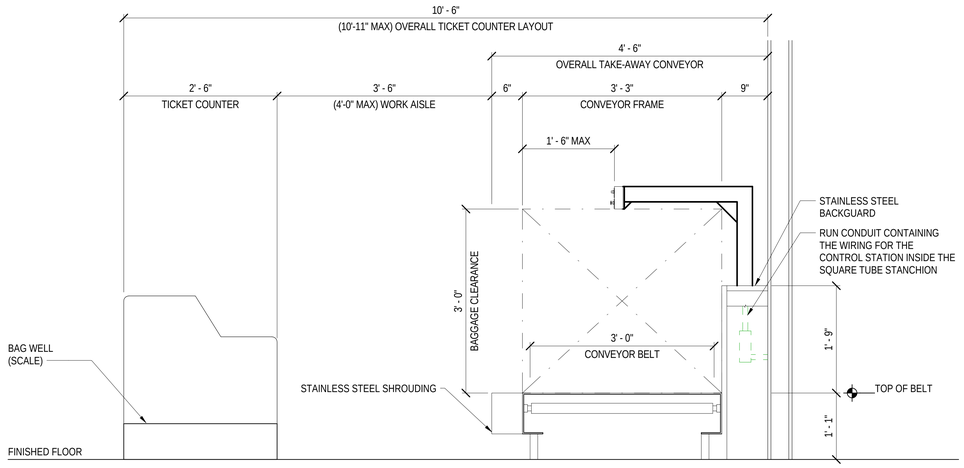
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL ACCESS LADDER DETAILS

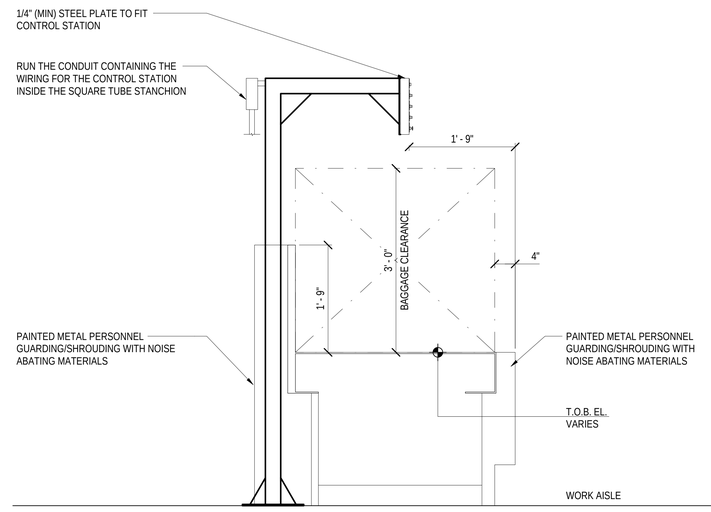
SHEET NUMBER:

B-506



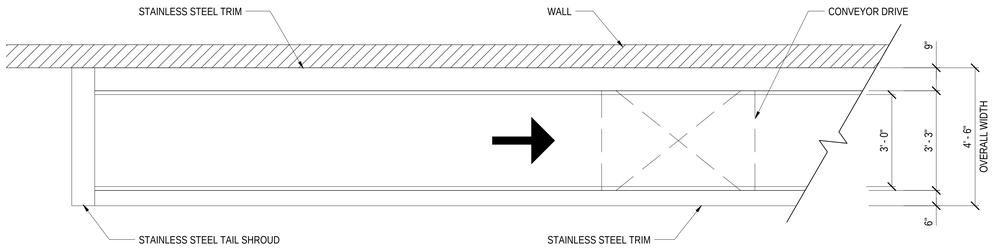
1 STANDARD TICKET COUNTER TAKE-AWAY CONVEYOR WITH STANCHION

1" = 1'-0"



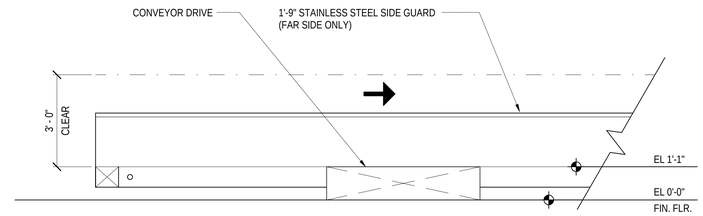
2 CONTROL STATION STANCHION AND GUARDING FOR RUN-OUT AND CLEAR BAG CONVEYOR

1" = 1'-0"



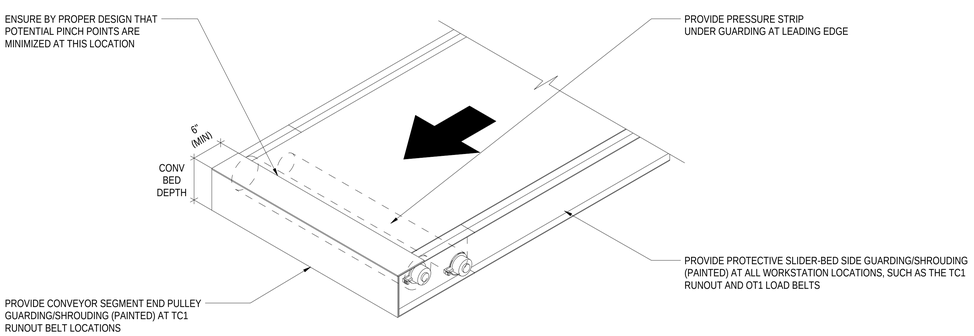
3 TICKET COUNTER CONVEYOR - PLAN

1/2" = 1'-0"



4 TICKET COUNTER CONVEYOR - ELEVATION

1/2" = 1'-0"



5 END PULLEY AND SLIDER-BED GUARD LAYOUT

1" = 1'-0"

TRUE NORTH

As indicated

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

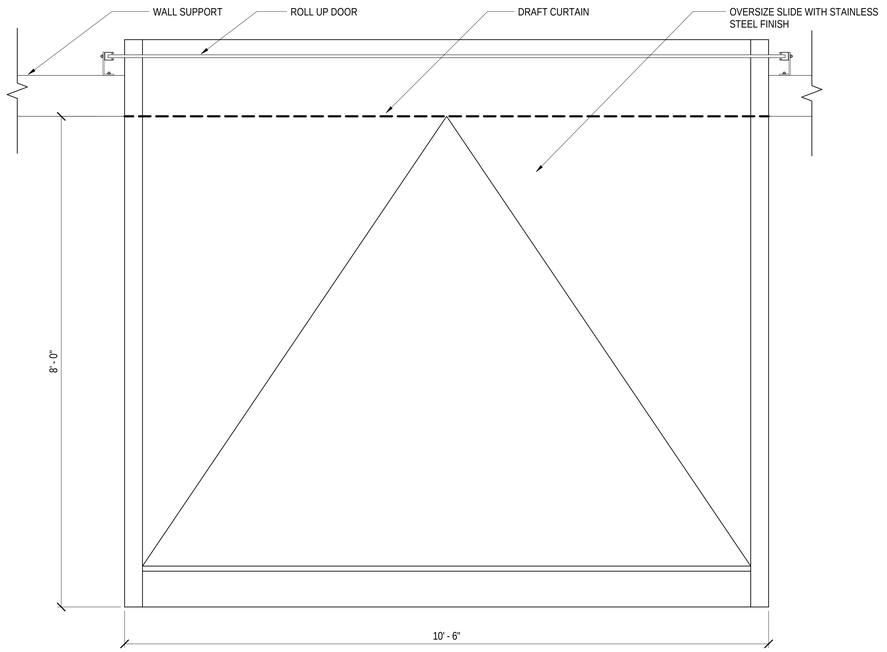
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL TICKET COUNTER & RUN-OUT CONVEYOR DETAILS

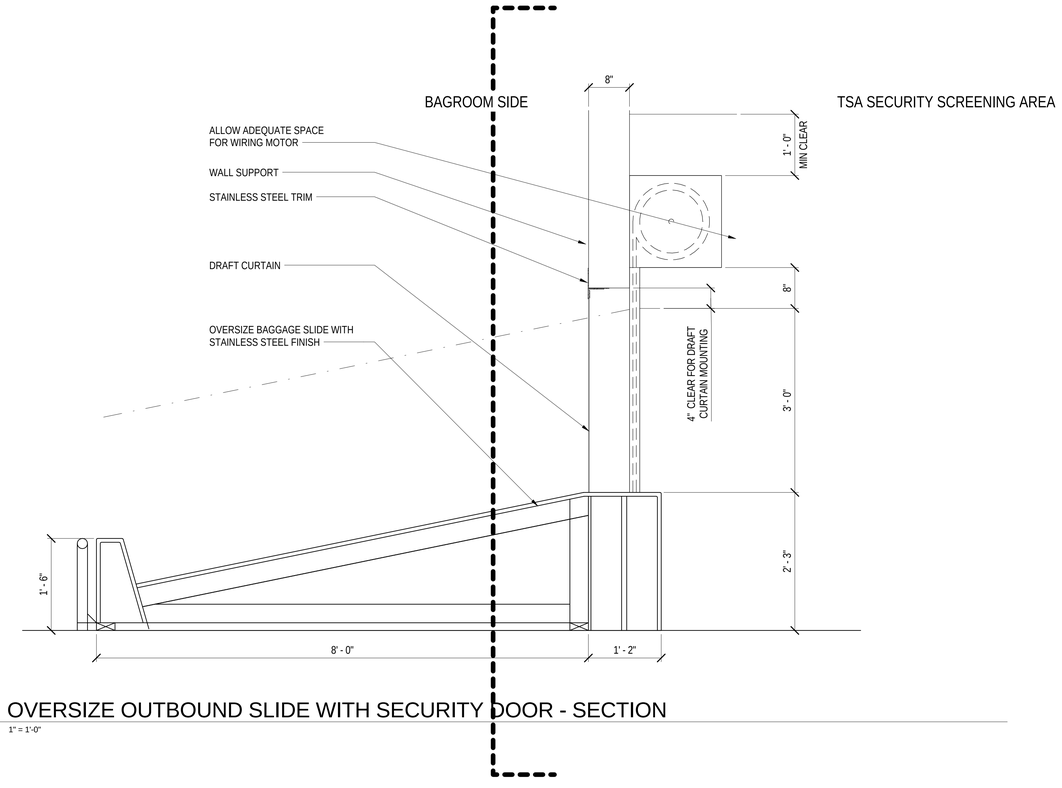
SHEET NUMBER:

B-507



1 OVERSIZE OUTBOUND SLIDE WITH SECURITY DOOR AND DRAFT CURTAIN - PLAN

1" = 1'-0"



2 OVERSIZE OUTBOUND SLIDE WITH SECURITY DOOR - SECTION

1" = 1'-0"

TRUE NORTH

1" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

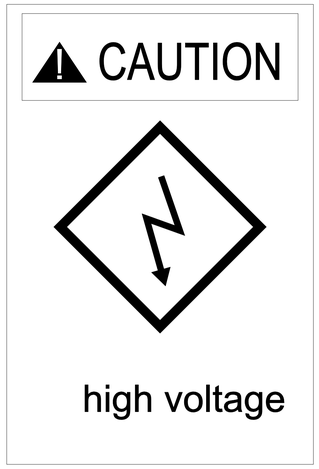
REVISIONS

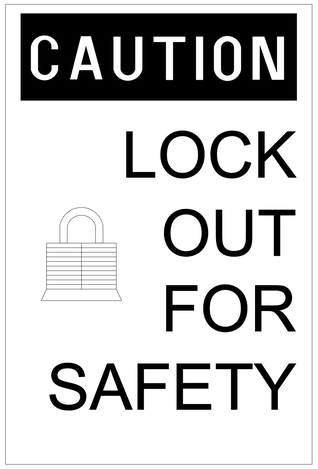
DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL OVERSIZE MAKE-UP SLIDE DETAILS

SHEET NUMBER:

B-508



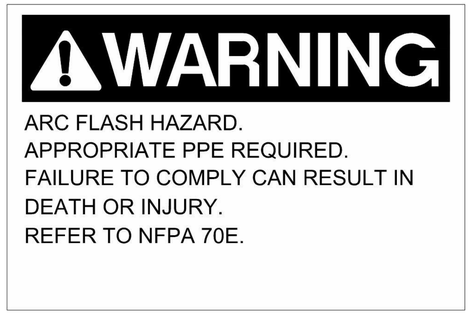


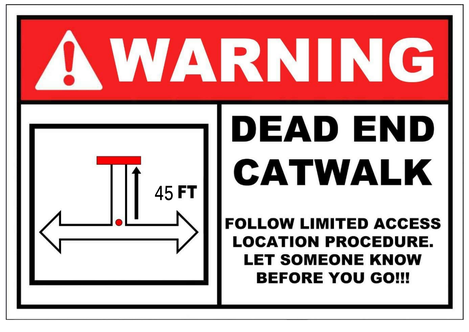












TRUE NORTH

6" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

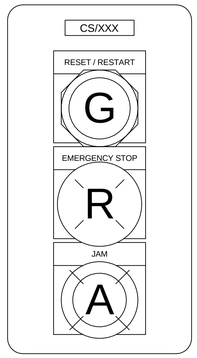
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE

SHEET NUMBER:

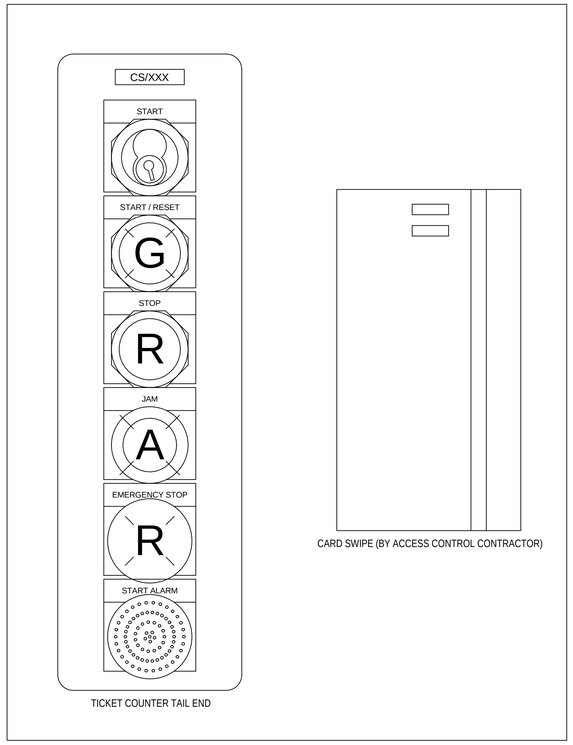
B-510



TRANSPORT CONVEYOR

1 JAM RESET CONTROL STATION (TYPE 1)

12" = 1'-0"

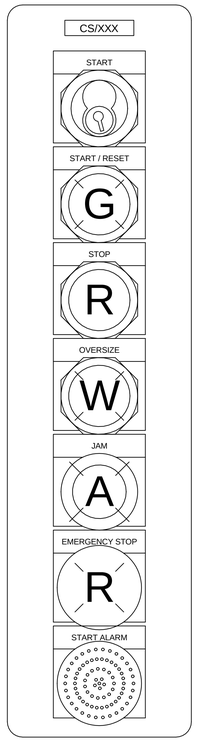


TICKET COUNTER TAIL END

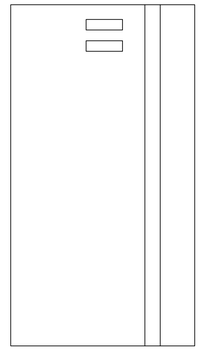
CARD SWIPE (BY ACCESS CONTROL CONTRACTOR)

2 START-UP CONTROL STATION (TYPE 2)

12" = 1'-0"



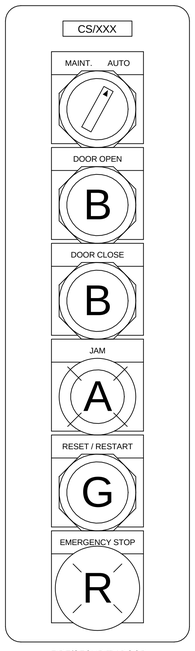
TICKET COUNTER HEAD END



CARD SWIPE (BY ACCESS CONTROL CONTRACTOR)

3 BHS CONTROL STATION (TYPE 3)

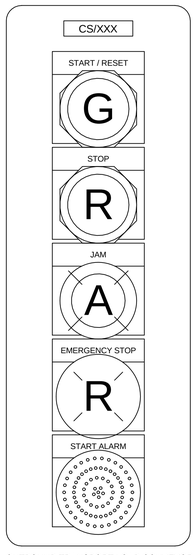
12" = 1'-0"



FIRE/SECURITY DOOR

4 FIRE/SECURITY DOOR CONTROL STATION (TYPE 4)

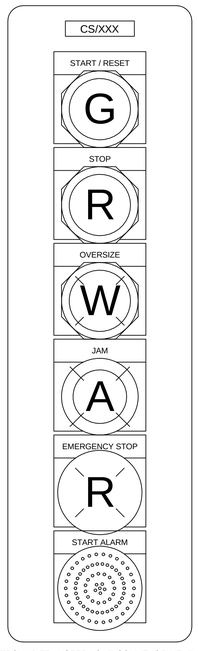
12" = 1'-0"



OUTBOUND TRANSPORT LOAD CONVEYOR

5 START-UP CONTROL STATION (TYPE 5)

12" = 1'-0"



OUTBOUND TRANSFER LOAD CONVEYOR HEAD END

6 BHS CONTROL STATION (TYPE 6)

12" = 1'-0"

CONTROL PANEL LEGEND

- SELECTOR-SWITCH
- ILLUMINATED PUSH BUTTON
- ILLUMINATED INDICATOR LIGHT
- PUSH BUTTON
- MUSHROOM HEAD EMERGENCY STOP ILLUMINATED PUSH AND PULL RELEASE WITH LOCKABLE COVER
- KEY SWITCH
- START ALARM
- R — LIGHT MODULE

CONTROL PANEL OPERATOR ABBREVIATIONS

R - RED, A - AMBER, G - GREEN, Y - YELLOW,
W - WHITE, B - BLACK, BL - BLUE, GY - GRAY

NOTES:

1. BHS EQUIPMENT CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EMERGENCY STOP CONTROL STATIONS THAT MAY BE REQUIRED TO MEET CODE AND TO PROVIDE A SAFE WORKING ENVIRONMENT.
2. AS A MINIMUM, PROVIDE ONE EMERGENCY STOP CONTROL STATION ON EACH SEGMENT OF CATWALK.
3. ALL CONTROL STATIONS SHALL BE LOCATED ON THE CATWALK SIDE OR THE MOST ACCESSIBLE SIDE OF THE CONVEYORS.

TRUE NORTH

As indicated

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT
LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER
STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER
CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS
BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT
HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

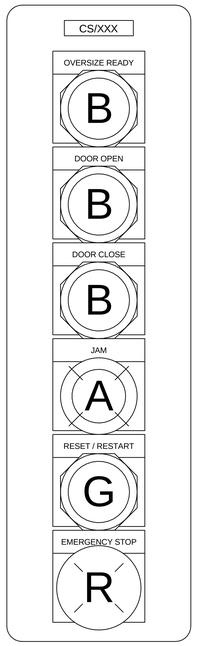
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATIONS AND DISPLAYS

SHEET NUMBER:

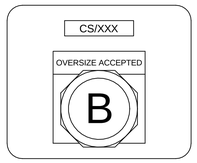
B-600



OVERSIZE FIRE/SECURITY DOOR

7 FIRE/SECURITY DOOR CONTROL STATION (TYPE 7)

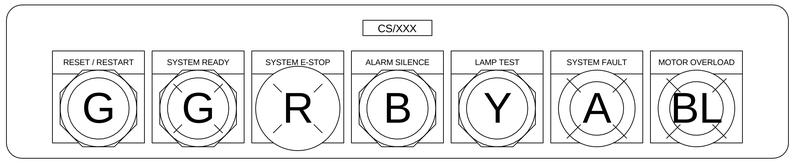
12" = 1'-0"



OVERSIZE SLIDE

8 OVERSIZE SLIDE CONTROL STATION (TYPE 8)

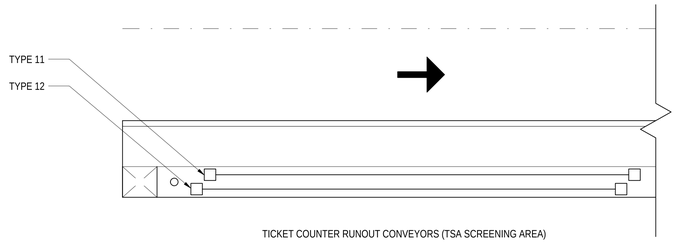
12" = 1'-0"



MCP DOOR

9 MCP CONTROL STATION (TYPE 10)

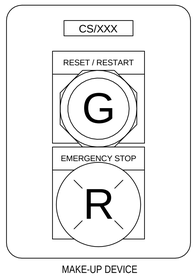
12" = 1'-0"



TICKET COUNTER RUNOUT CONVEYORS (TSA SCREENING AREA)

10 BHS CONTROL STATION E-STOP LANYARD & RUN LANYARD (TYPE 11 & 12)

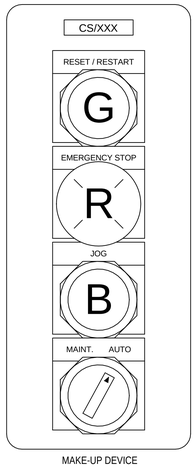
3/4" = 1'-0"



MAKE-UP DEVICE

11 BHS CONTROL STATION (TYPE 13)

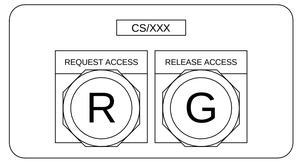
12" = 1'-0"



MAKE-UP DEVICE

12 MAKE-UP DEVICE CONTROL STATION (TYPE 14)

12" = 1'-0"



13 CROSSOVER START/STOP CONTROL STATION (TYPE 19)

12" = 1'-0"



14 CROSSOVER LIGHT MODULE (TYPE 26) - LOCATE AT CROSSOVER

12" = 1'-0"



(FOR OVERSIZE ACKNOWLEDGEMENT)

15 WARNING LIGHT MODULE (TYPE 27) - LOCATE AT MAKE-UP & OVERSIZE SLIDE

12" = 1'-0"

TRUE NORTH

As indicated

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

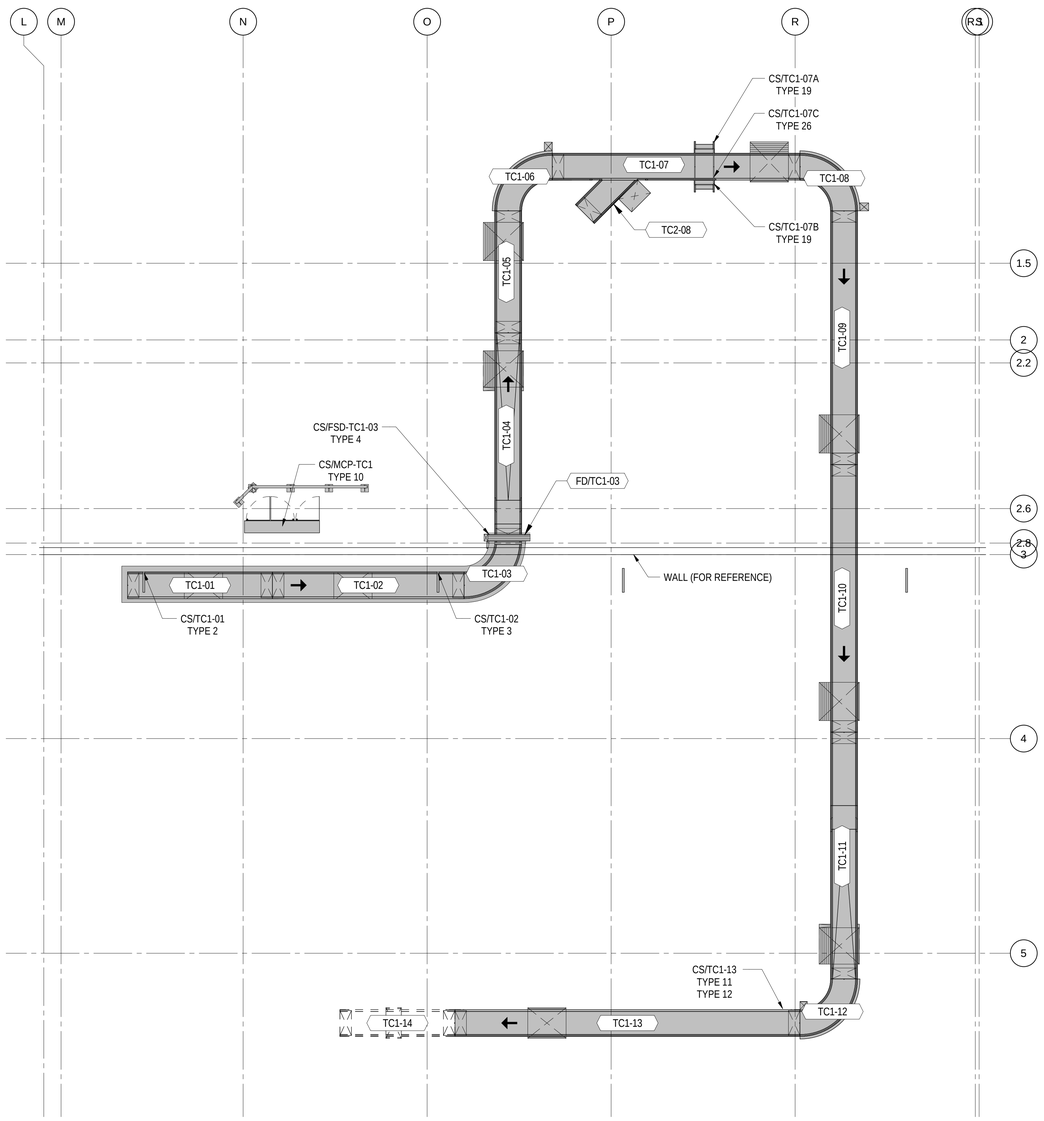
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATIONS AND DISPLAYS

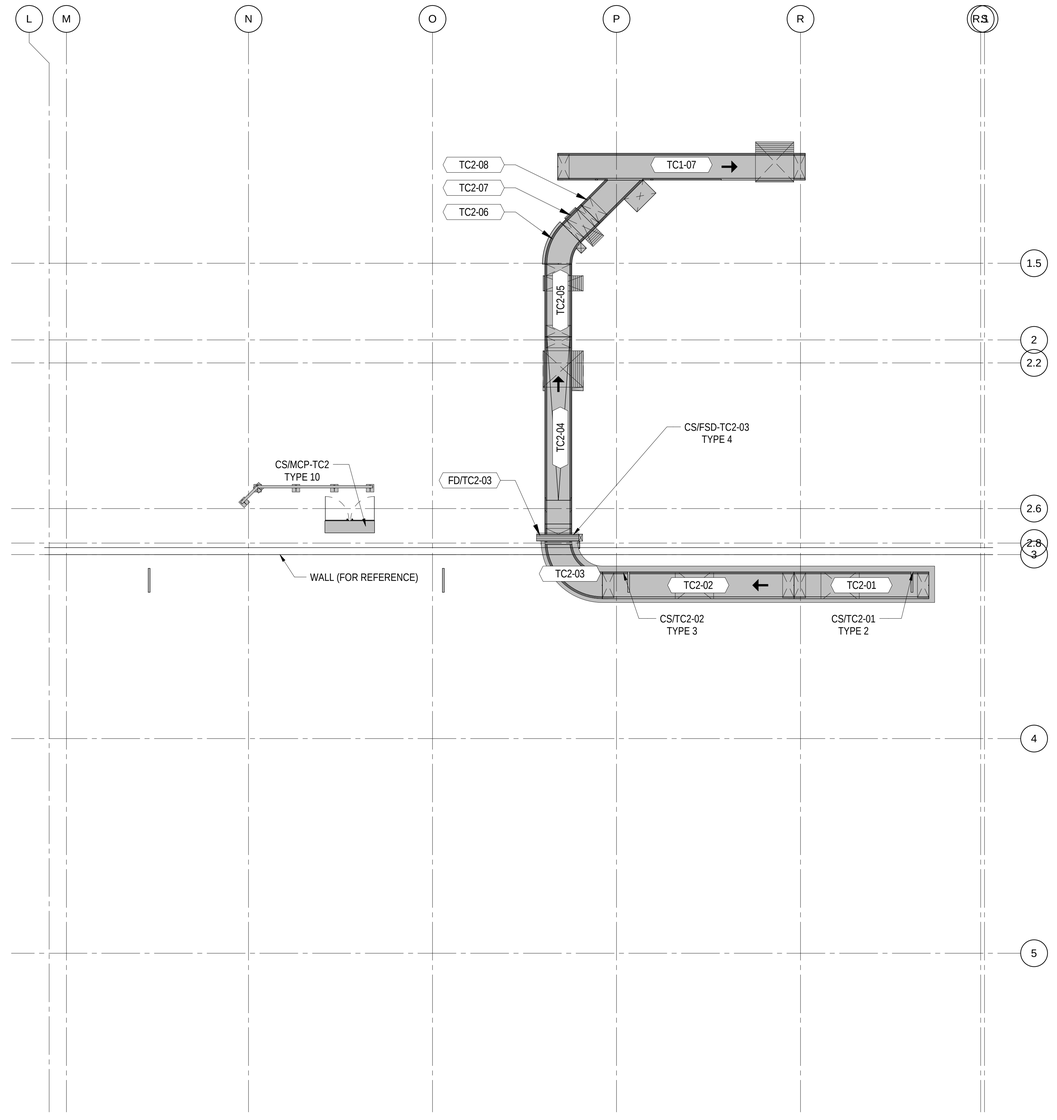
SHEET NUMBER:

B-601



1 CONTROLS LAYOUT - TC1 SUBSYSTEM

1/8" = 1'-0"



2 CONTROLS LAYOUT - TC2 SUBSYSTEM

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

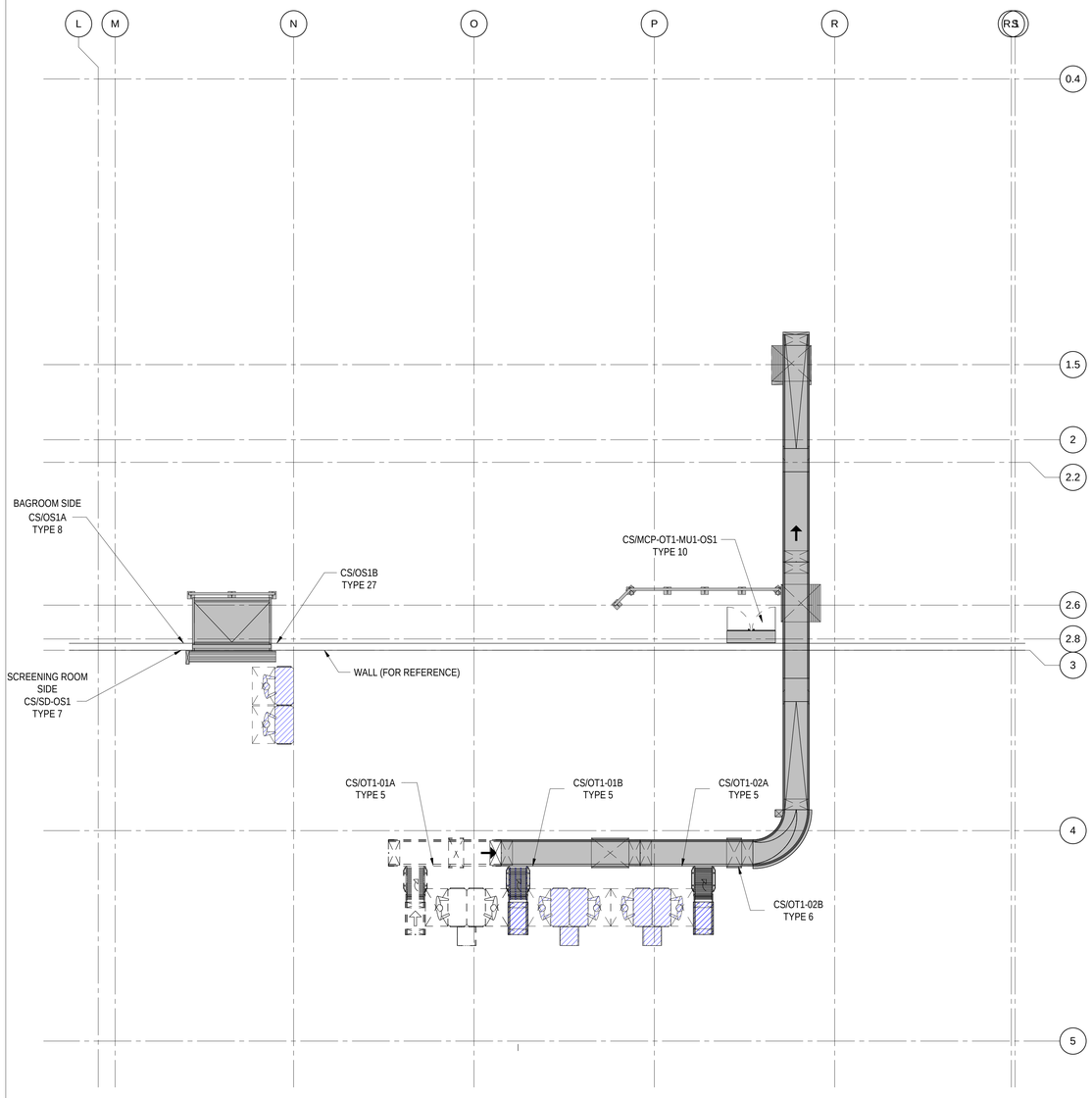
REVISIONS

DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT CONTROLS LAYOUT

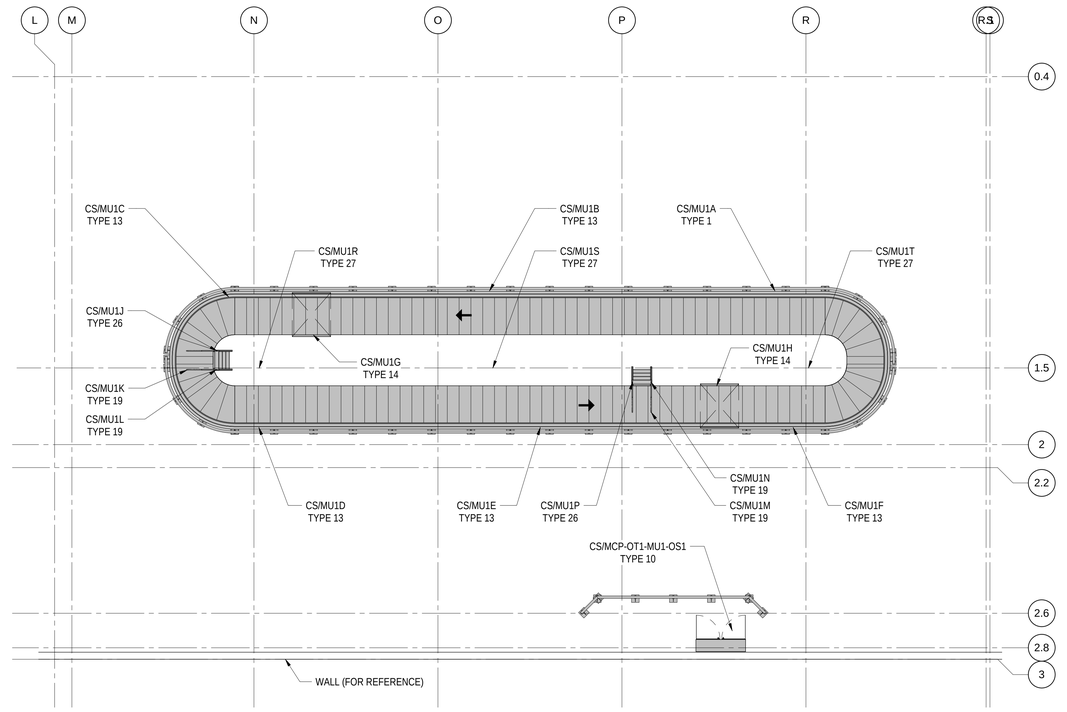
SHEET NUMBER:

B-602



3 CONTROLS LAYOUT - OT1 SUBSYSTEM

1/8" = 1'-0"



4 CONTROLS LAYOUT - MU1 SUBSYSTEM

1/8" = 1'-0"

TRUE NORTH

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 2

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

ARCHITECT

THE WILSON GROUP
P O BOX 5510
CHARLOTTE, NC 28299
(704) 331-9747

PROJECT MANAGER & CIVIL ENGINEER

TALBERT & BRIGHT
4810 SHELLEY DRIVE
WILMINGTON, NC 28405
(910) 763-5350 FIRM NO.: C-0713

CONSULTING ARCHITECT

LS3P
101 NORTH THIRD STREET, SUITE 500
WILMINGTON, NC 28401
(910) 790-9901

STRUCTURAL ENGINEER

STEWART
101 N. TRYON ST., SUITE 1400
CHARLOTTE, NC 28202
(704) 909-3523 FIRM NO.: C-1051

P, M & E ENGINEER

CHEATHAM & ASSOC.
3412 ENTERPRISE DRIVE
WILMINGTON, NC 28405
(910) 452-4210

BAGGAGE HANDLING CONSULTANTS

BNP ASSOCIATES
1981 POST ROAD
FAIRFIELD, CT 06824
(203) 792-3000

SPECIALTY LIGHTING CONSULTANT

HARTRANFT LIGHTING DESIGN
401 HAWTHORNE LANE, SUITE 110-269
CHARLOTTE, NC 28204
(240) 731-1058

REVISIONS

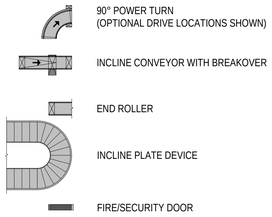
DATE: NOVEMBER 30, 2018
PROJECT NO.: 9202-000
SHEET TITLE:

BAGGAGE HANDLING EQUIPMENT CONTROLS LAYOUT

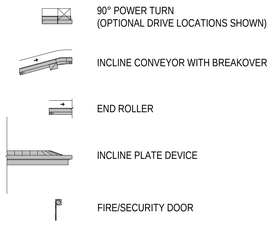
SHEET NUMBER:

B-603

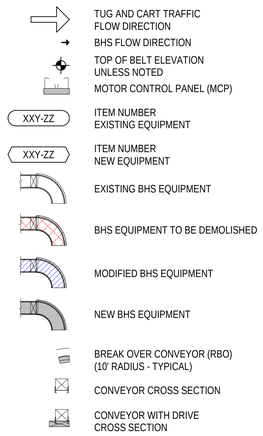
CONVEYOR LEGEND PLAN



CONVEYOR LEGEND ELEVATION



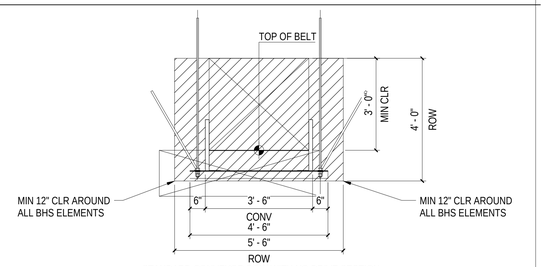
GENERAL SYMBOLS



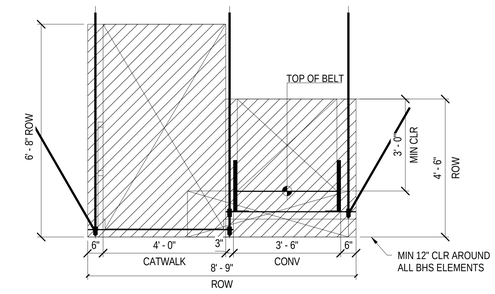
ABBREVIATIONS

AA	AMERICAN AIRLINES
AFF	ABOVE FINISHED FLOOR
BHS	BAGGAGE HANDLING SYSTEM
CD	CLAIM DEVICE
CONV	CONVEYOR
DIA	DIAMETER
EXP	EXPANSION
IB	INBOUND
LB	POUND
MAX	MAXIMUM
MCP	MOTOR CONTROL PANEL
MIN	MINIMUM
NOM	NOMINAL
OC	ON CENTER
PRES	PRESENTATION
RBO	RADIUS BREAK OVER
REF	REFERENCE
ROW	RIGHT OF WAY
TYP	TYPICAL
VERT	VERTICAL
VIF	VERIFY IN FIELD

TYPICAL CONVEYOR RIGHT-OF-WAY



STANDARD CONVEYOR ROW WITH NO DRIVE SECTION



STANDARD CONVEYOR ROW WITH CATWALK AND DRIVE SECTION

PROJECT SHEET LIST

SHEET NUMBER	SHEET NAME
B-000	BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS
B-100	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL EXISTING CONDITIONS
B-101	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL EXISTING CONDITIONS
B-102	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND DEMO PLAN
B-103	BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL INBOUND DEMO PLAN
B-200	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL PROPOSED
B-201	BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL PROPOSED
B-202	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED
B-203	BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL INBOUND PROPOSED
B-204	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED MAKE-UP TRAFFIC PLAN
B-300	BAGGAGE HANDLING EQUIPMENT INBOUND PROPOSED SECTIONS
B-301	BAGGAGE HANDLING EQUIPMENT INBOUND PROPOSED SECTIONS
B-400	BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED CATWALK
B-500	BAGGAGE HANDLING EQUIPMENT TYPICAL LOADING DIAGRAMS
B-501	BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS
B-502	BAGGAGE HANDLING EQUIPMENT TYPICAL LADDER AND STAIR LANDING DETAILS
B-503	BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS
B-504	BAGGAGE HANDLING EQUIPMENT TYPICAL FIRE/SECURITY DOOR & ACCESS HATCH DETAILS
B-505	BAGGAGE HANDLING EQUIPMENT TYPICAL INCLINE PLATE CLAIM DEVICE DETAILS
B-506	BAGGAGE HANDLING EQUIPMENT TYPICAL IMPACT PROTECTION DETAILS
B-507	BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE
B-508	BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE
B-600	BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATION AND DISPLAYS
B-601	BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATION AND DISPLAYS
B-602	BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS
B-700	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-701	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-702	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-703	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-704	BAGGAGE HANDLING EQUIPMENT PHASING PLAN
B-705	BAGGAGE HANDLING EQUIPMENT PHASING PLAN

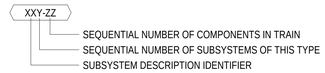
GENERAL NOTES

THE FOLLOWING REQUIREMENTS, TOGETHER WITH THE PROJECT SPECIFICATIONS AND BHS DRAWINGS SHALL APPLY.

1. CHECK AND FIELD VERIFY ALL BHS RELATED DIMENSIONS ON THE JOB SITE BEFORE PROCEEDING WITH WORK AND BE RESPONSIBLE FOR THEIR ACCURACY. IF DISCREPANCIES ARE FOUND BETWEEN THE BHS DRAWINGS, SPECIFICATIONS AND FIELD CONDITIONS, REPORT THEM TO THE OWNER OR HIS REPRESENTATIVE.
2. FINISHED FLOOR ELEVATIONS PROVIDED FOR INFORMATION ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL FLOOR ELEVATIONS AND BUILDING INFORMATION.
3. ALL FINISHED FLOOR DIMENSIONS ARE TAKEN FROM THE HIGH POINT OF THE FINISHED FLOOR.
4. NO DIMENSIONS SHALL BE SCALED. DRAWING DIMENSIONS SHOWN SHALL BE USED.
5. BHS CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING BHS RIGHT-OF-WAY ISSUES AND REPORTING THEM TO THE OWNER OR THEIR REPRESENTATIVE.
6. BHS CONTRACTOR TO COORDINATE WITH OTHER TRADES TO MAINTAIN BAGGAGE SYSTEM RIGHTS-OF-WAY.
7. ALL DIMENSIONS ARE FROM GRID TO OUTER EXTENT OF CONVEYOR SIDEGUARD, UNLESS NOTED.
8. FOR ADDITIONAL BHS RIGHT-OF-WAY CLEARANCES, CROSS SECTIONS, AND ATTACHMENT DETAILS REFERENCE THE B-500 SERIES DRAWINGS.
9. ALL OTHER TRADES SHALL MAINTAIN 3'-0" CLEAR RIGHT-OF-WAY (UNLESS OTHERWISE NOTED) FROM TOP OF BELT TO NEAREST OBSTRUCTION. HANGING ANY EQUIPMENT COMPONENTS (E.G. MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION HVAC), FROM THE CONVEYOR, CATWALK OR ASSOCIATED SUPPORTS IS NOT ACCEPTABLE.
10. ALL BHS RIGHTS-OF-WAYS SHALL TAKE PRECEDENCE OVER ALL OTHER BUILDING SERVICES (E.G. MECHANICAL, DUCT WORK AND PIPES, CONDUIT, FIRE PROTECTION, PLUMBING).
11. BHS CONTRACTOR TO INFORM THE OWNER OR THEIR REPRESENTATIVE THAT EQUIPMENT DESIGNATED FOR REMOVAL HAS BEEN REMOVED AND ARE AVAILABLE FOR REVIEW TO DETERMINE WHAT SHALL BE SALVAGED FOR SPARE PARTS CONSIDERATIONS AND WHAT SHALL BE DISPOSED.

IDENTIFICATION NOMENCLATURE

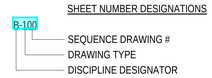
NEW CONVEYOR ID



SUBSYSTEM DESCRIPTION IDENTIFIERS

CD	CLAIM DEVICE
IB	INBOUND LINE

SHEET NUMBER DESIGNATIONS



ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

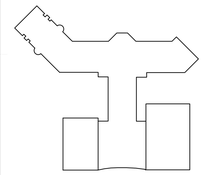
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

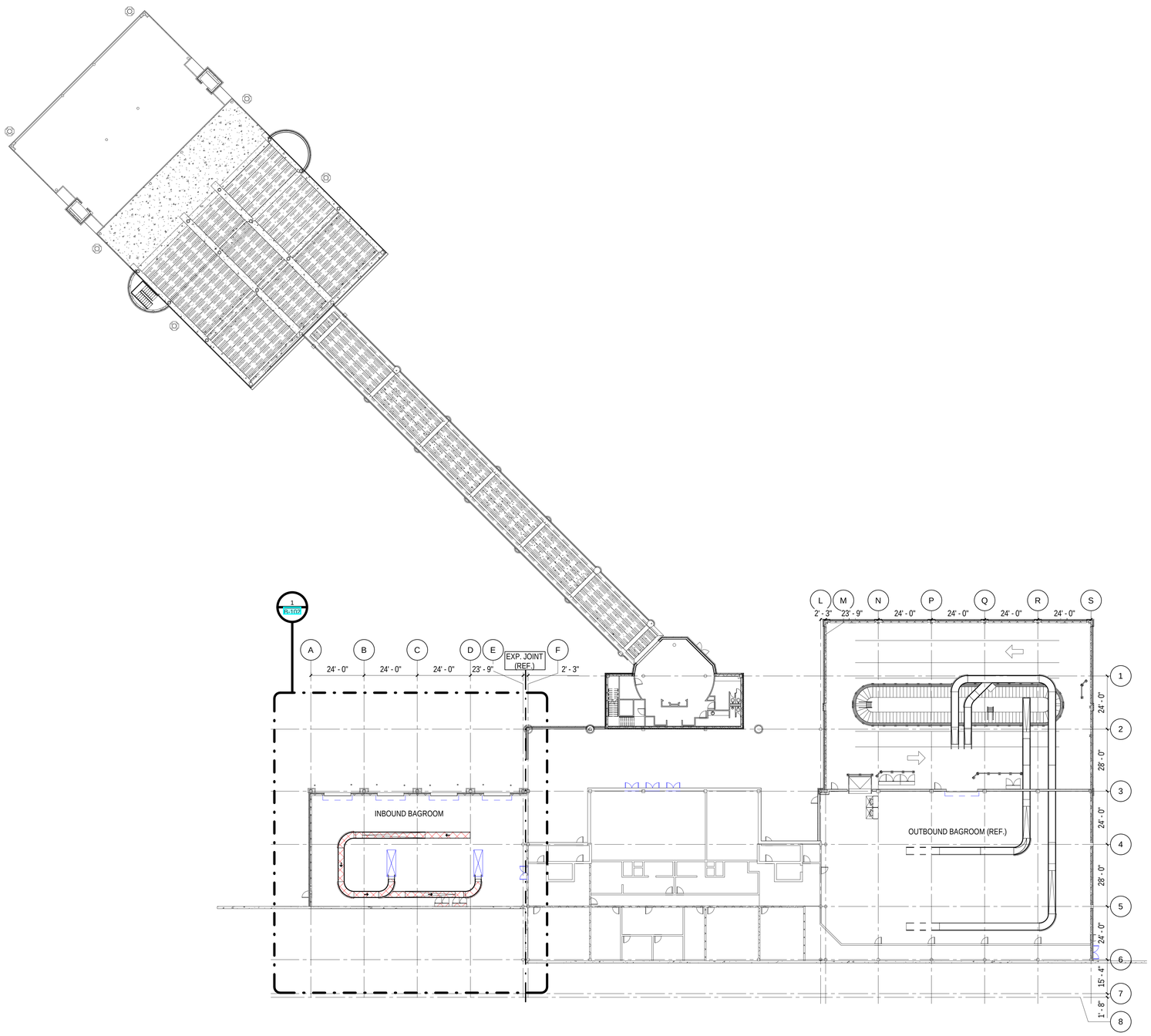
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS

SHEET NUMBER

B-000



1 GENERAL ARRANGEMENT - BASEMENT LEVEL - EXISTING CONDITIONS

3/64" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

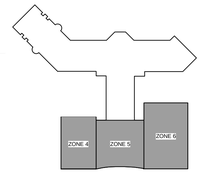
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

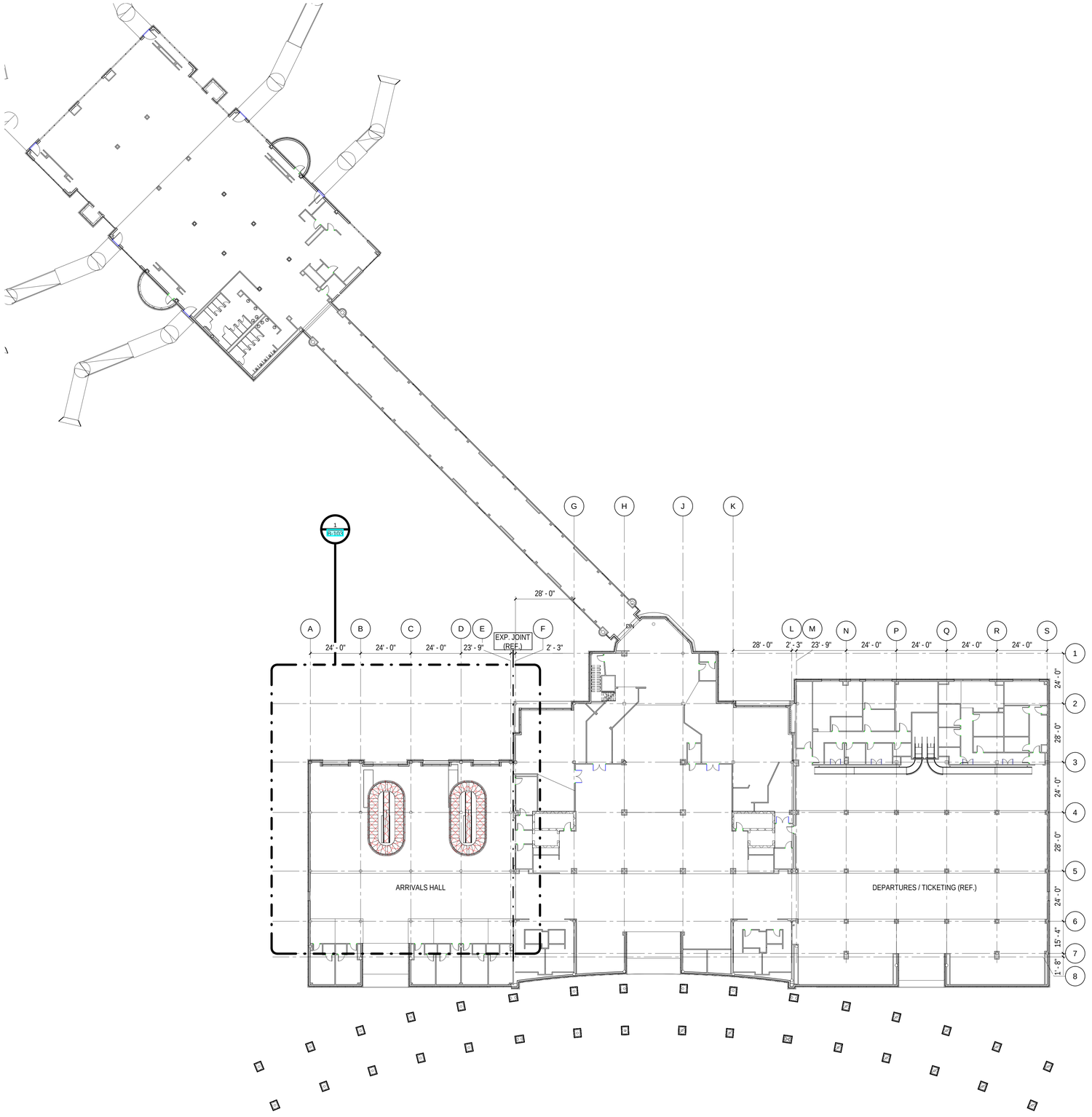
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL EXISTING CONDITIONS

TRUE NORTH

SHEET NUMBER

B-100



1 GENERAL ARRANGEMENT - DEPARTURES / ARRIVALS LEVEL - EXISTING CONDITIONS

3/64" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

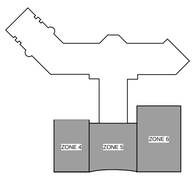
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

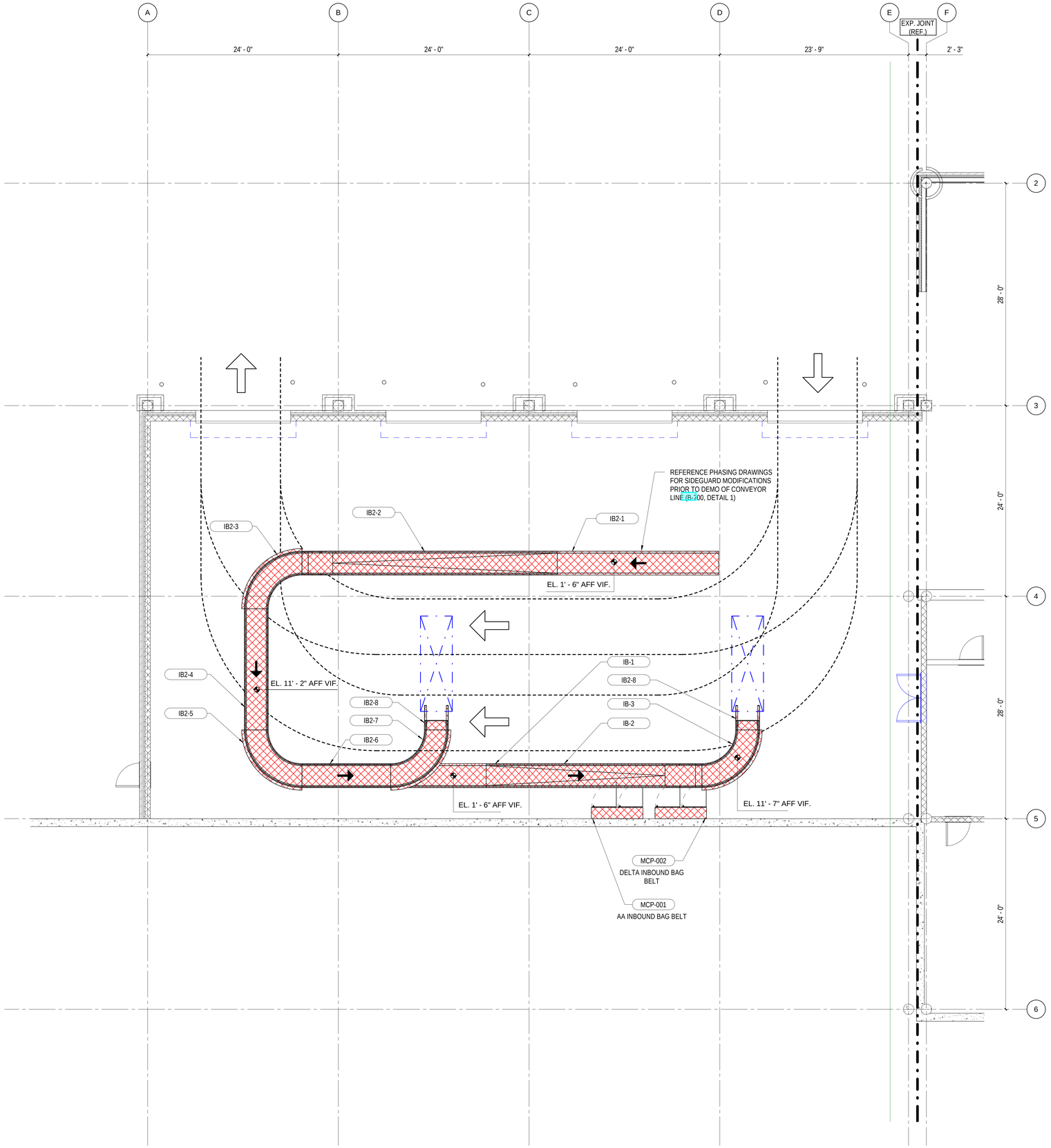
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL EXISTING CONDITIONS

SHEET NUMBER

B-101



1 PARTIAL PLAN - BASEMENT LEVEL - BHS DEMO

3/16" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

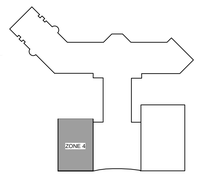
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

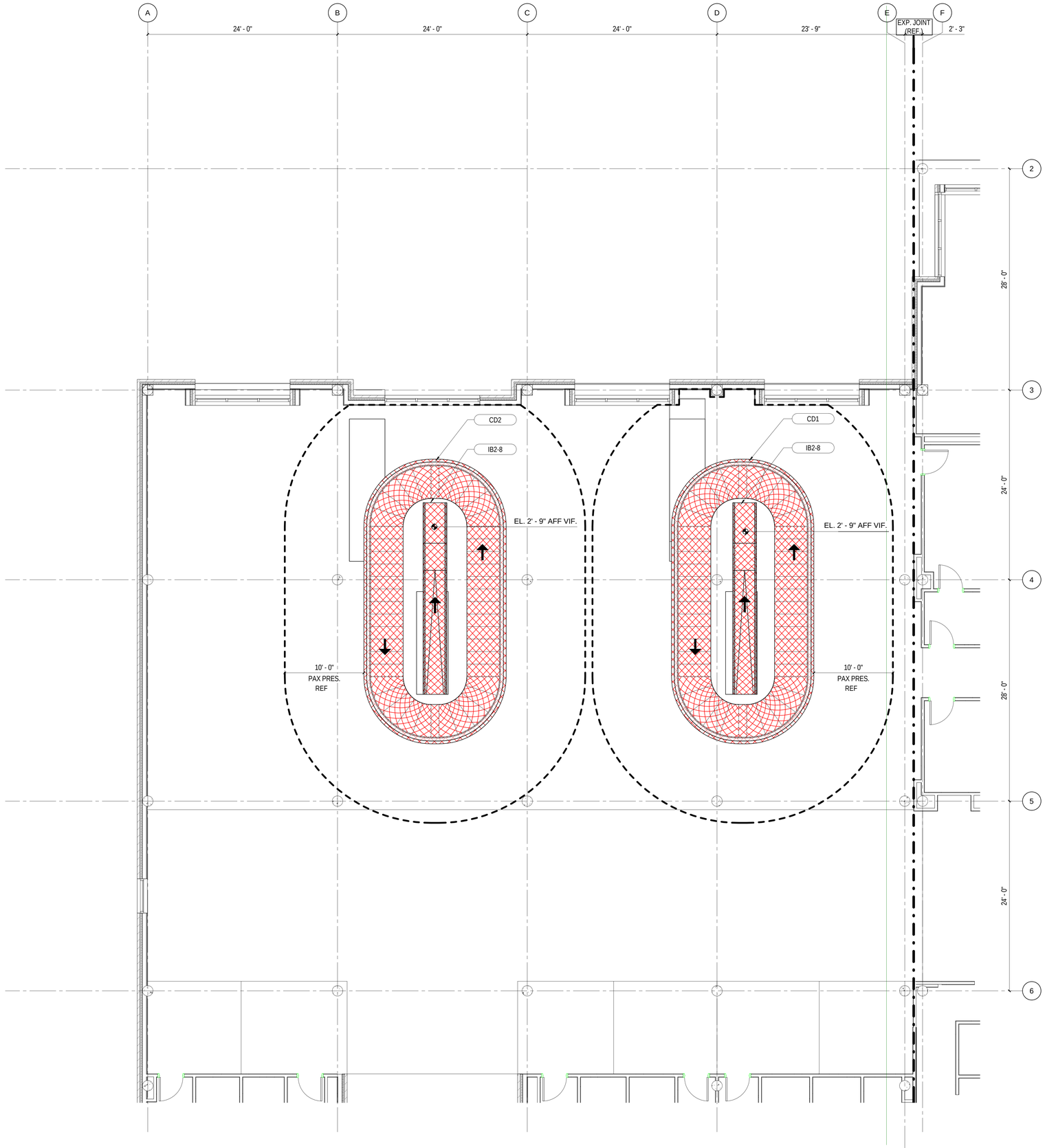
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND DEMO PLAN

SHEET NUMBER

B-102



1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - BHS DEMO

3/16" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

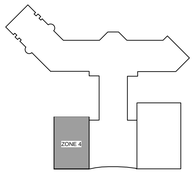
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

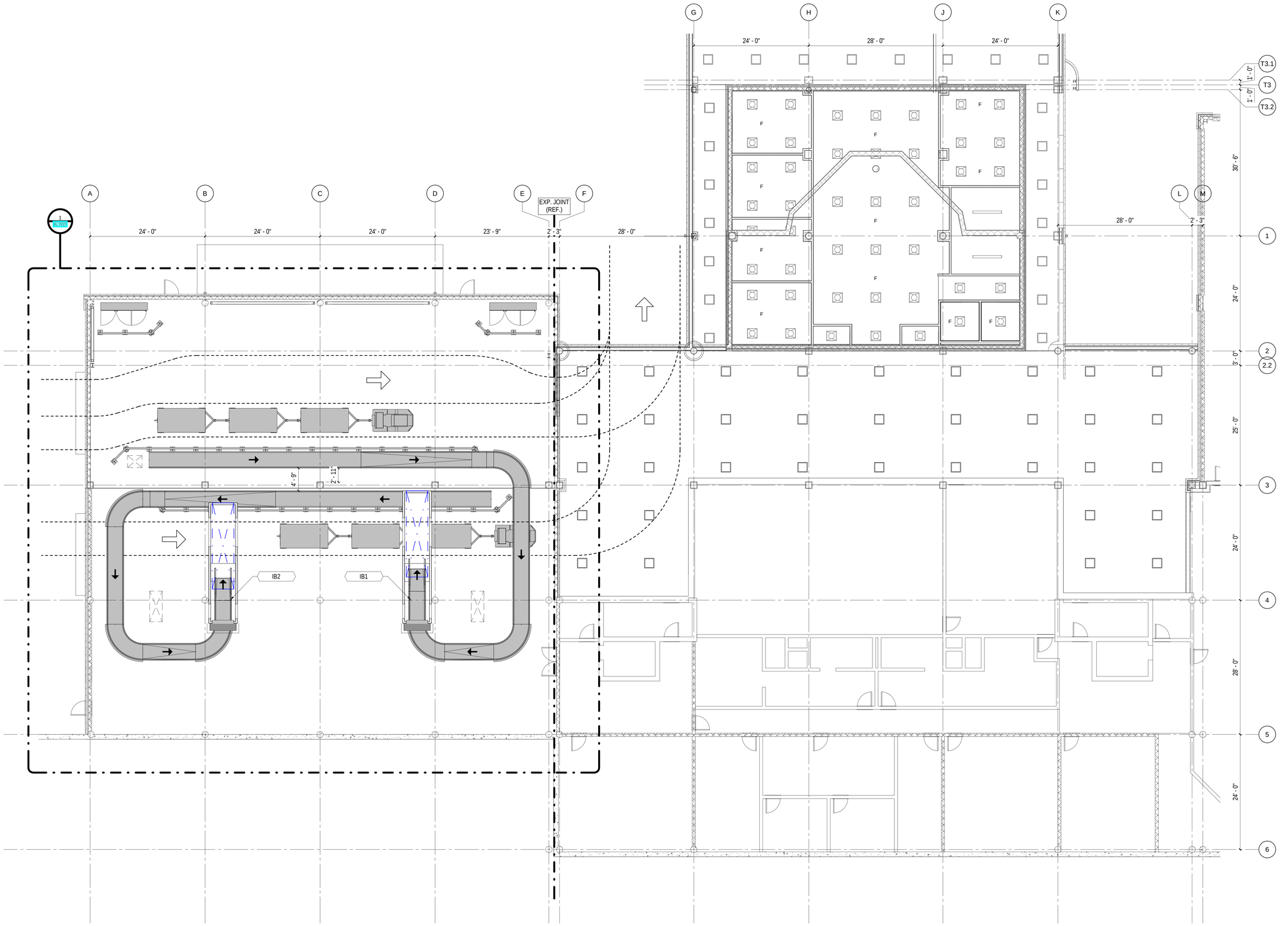
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL INBOUND DEMO PLAN

SHEET NUMBER

B-103

TRUE NORTH



1 GENERAL ARRANGEMENT - BASEMENT LEVEL - PROPOSED BHS

1/8" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

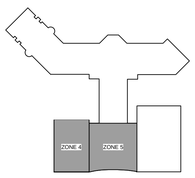
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

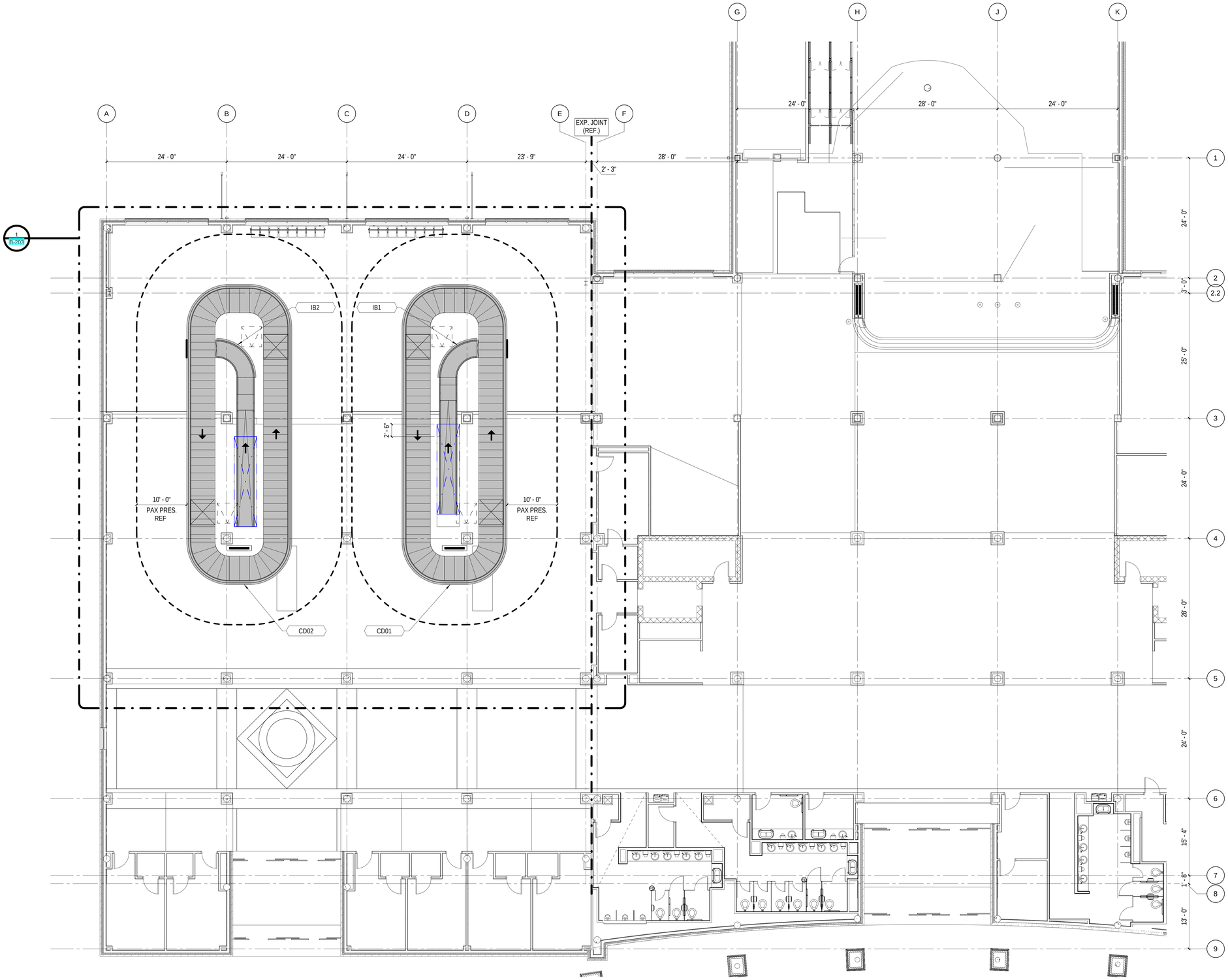
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL PROPOSED

SHEET NUMBER

B-200



1 GENERAL ARRANGEMENT - DEPARTURES LEVEL - PROPOSED BHS

1/8" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

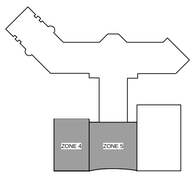
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

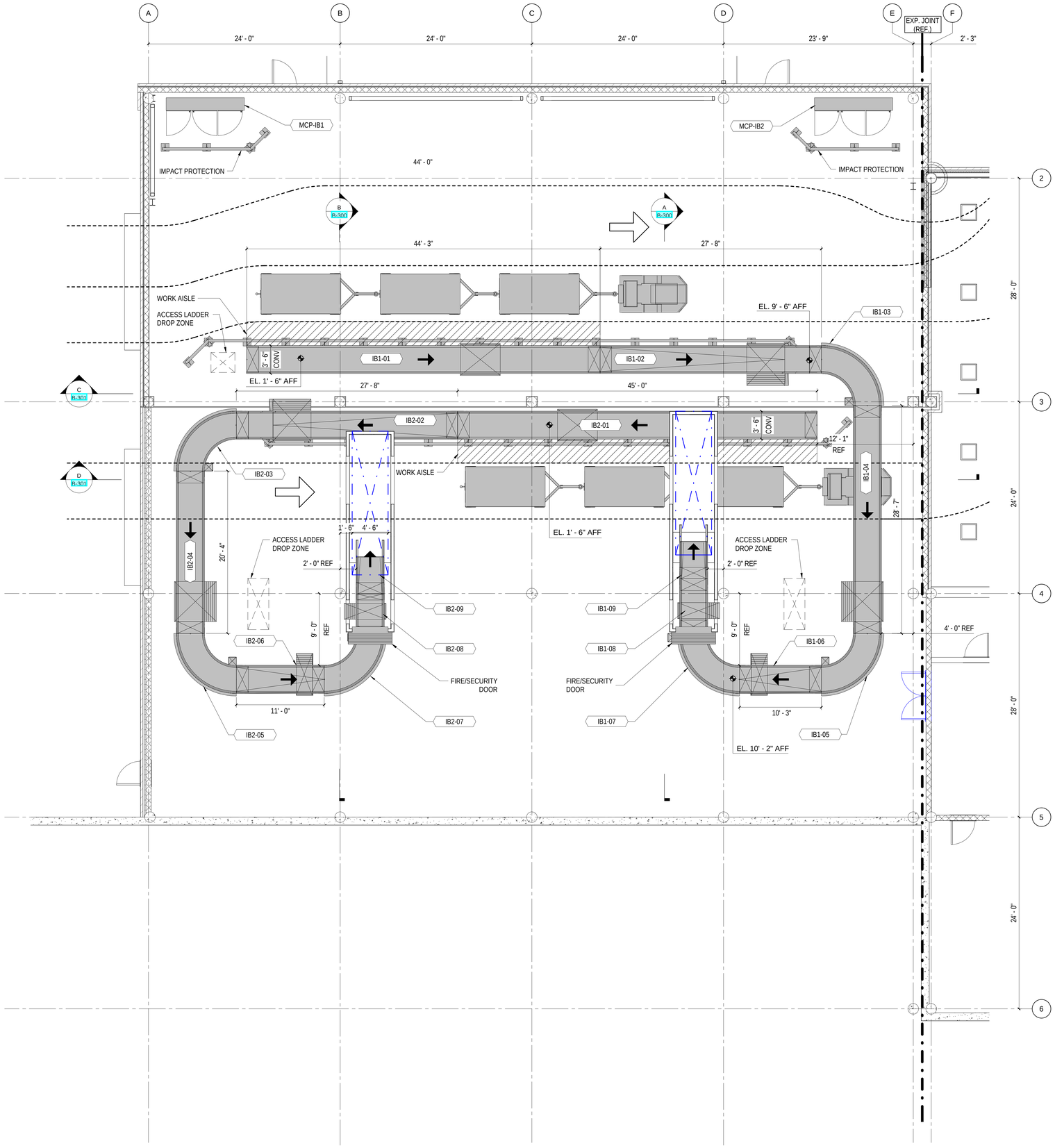
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL PROPOSED

SHEET NUMBER

B-201



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS

3/16" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

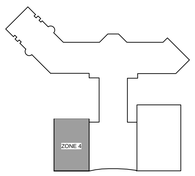
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

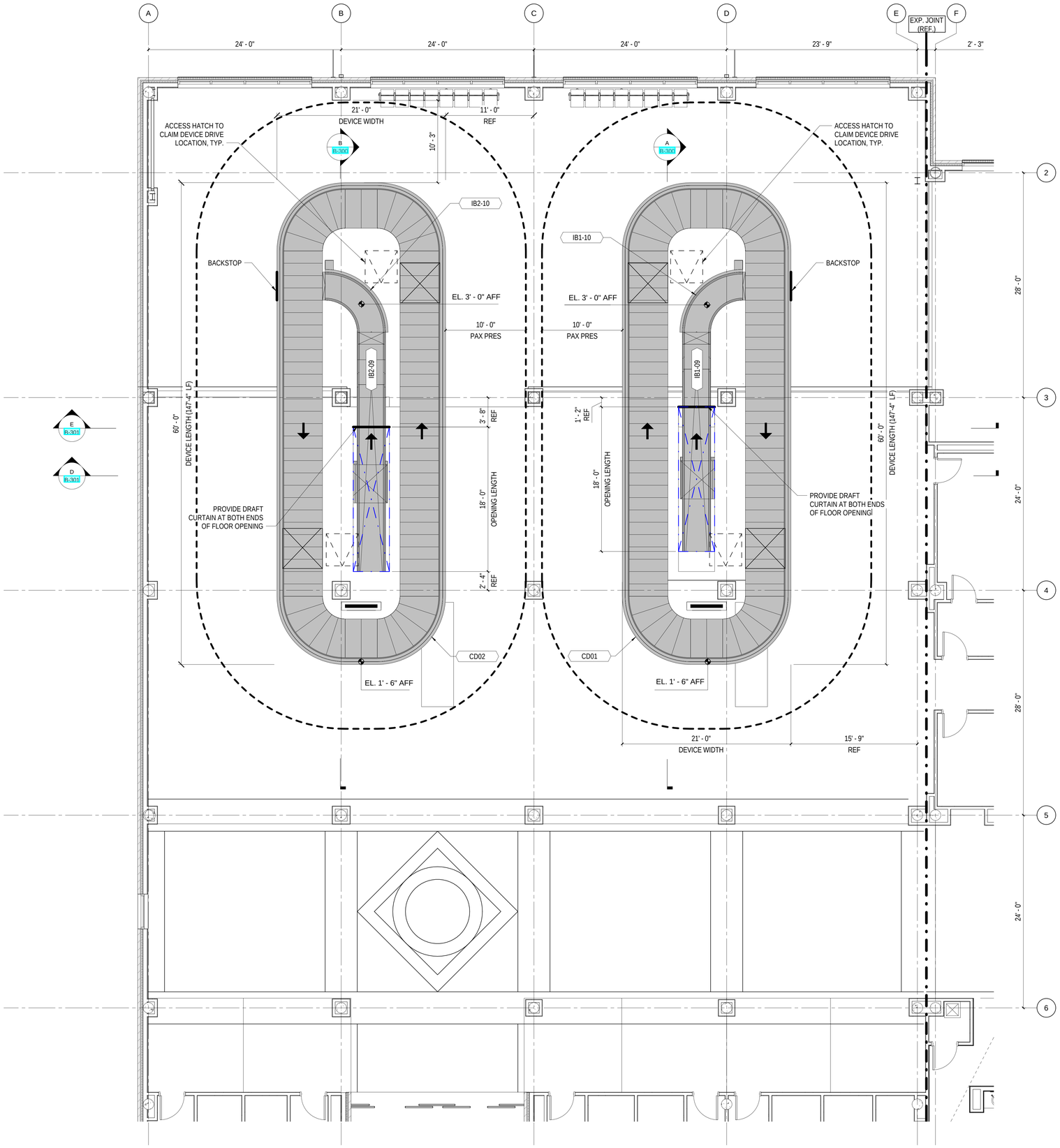
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED

SHEET NUMBER

B-202



1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - PROPOSED BHS

3/16" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

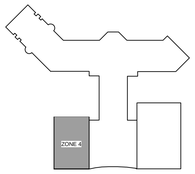
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

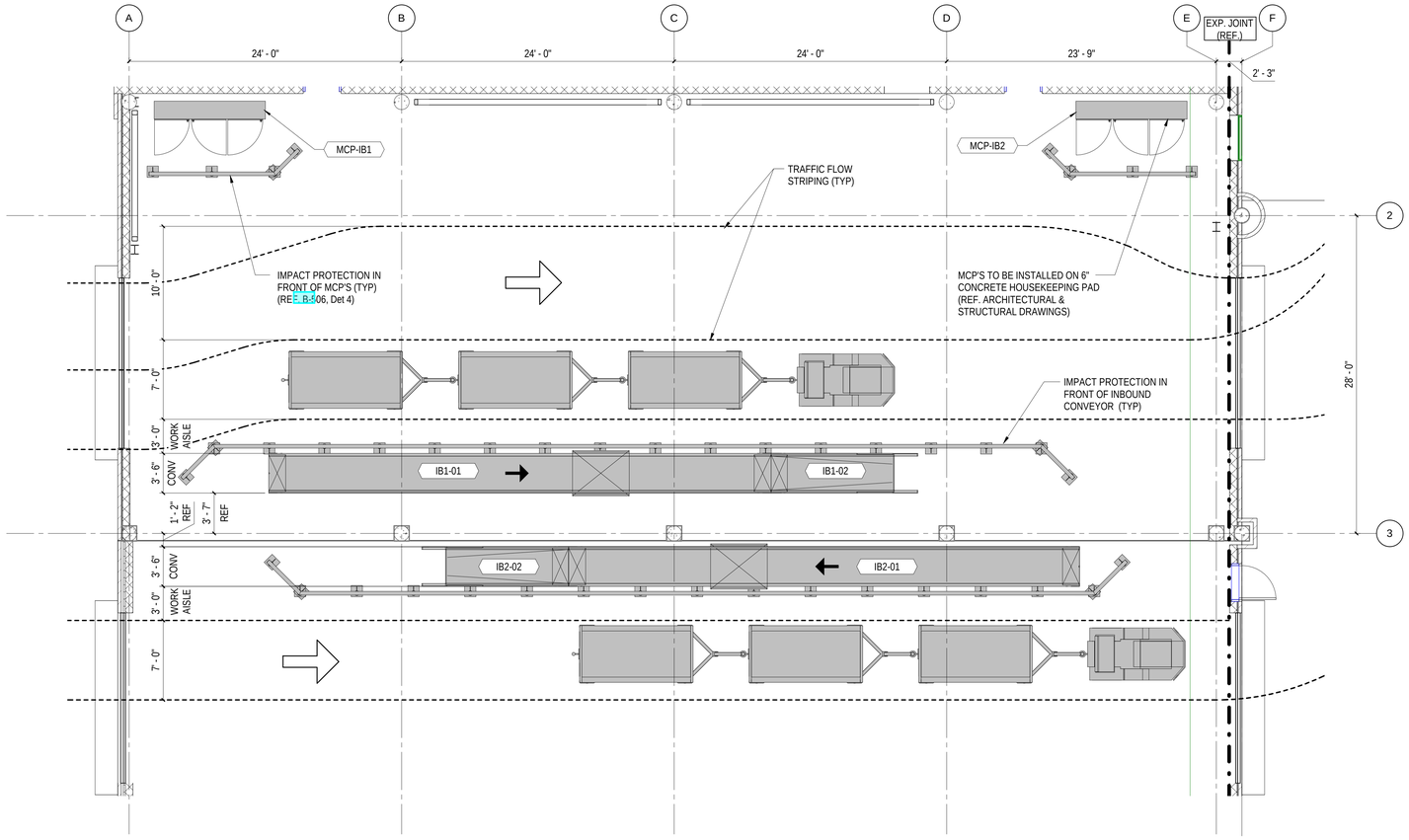
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL INBOUND PROPOSED

SHEET NUMBER

B-203

NOTES:
1. REFERENCE SPEC SECTION 347739-3.5.Q FOR PAVEMENT MARKINGS.
2. REFERENCE STRUCTURAL DRAWINGS FOR MCP HOUSEKEEPING PADS AND COORDINATE LOACTIONS ACCORDINGLY WHITH INTALLALTION OF MCP'S.
3. REFERENCE ARCHITECTURAL DRAWINGS FOR IMPACT PROTECTION LOCATION AND DETAILS IN FRONT OF BOTH MCP'S.



1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS INBOUND UNLOAD BELT & TRAFFIC FLOW

3/16" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

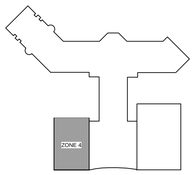
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

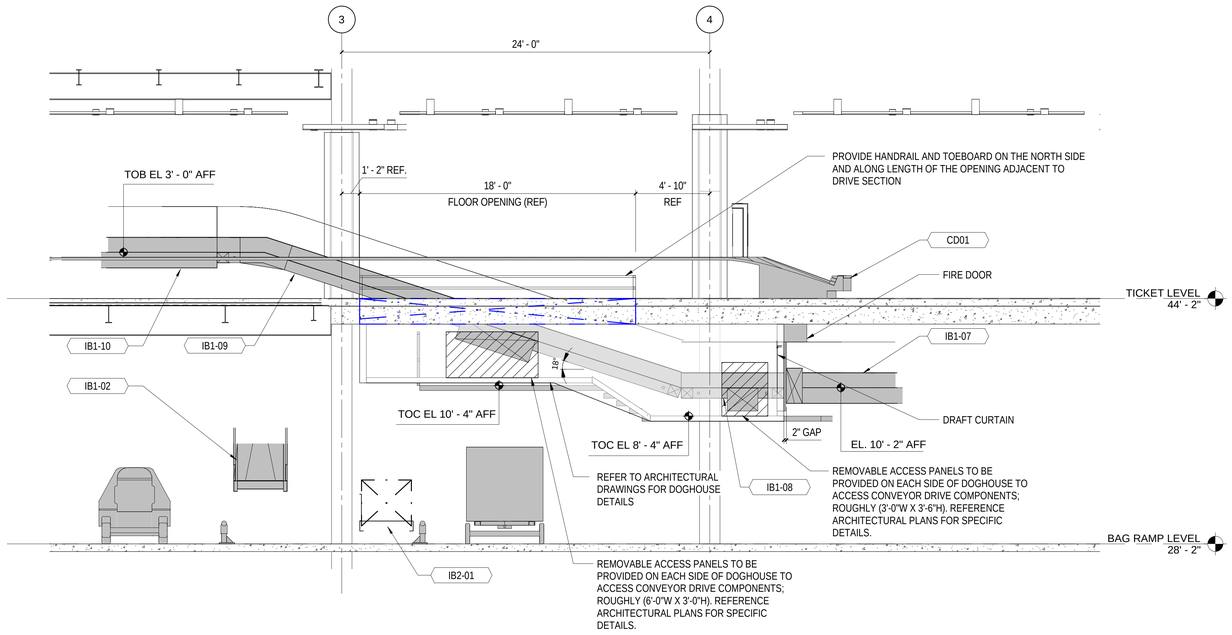
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED MAKE-UP TRAFFIC PLAN

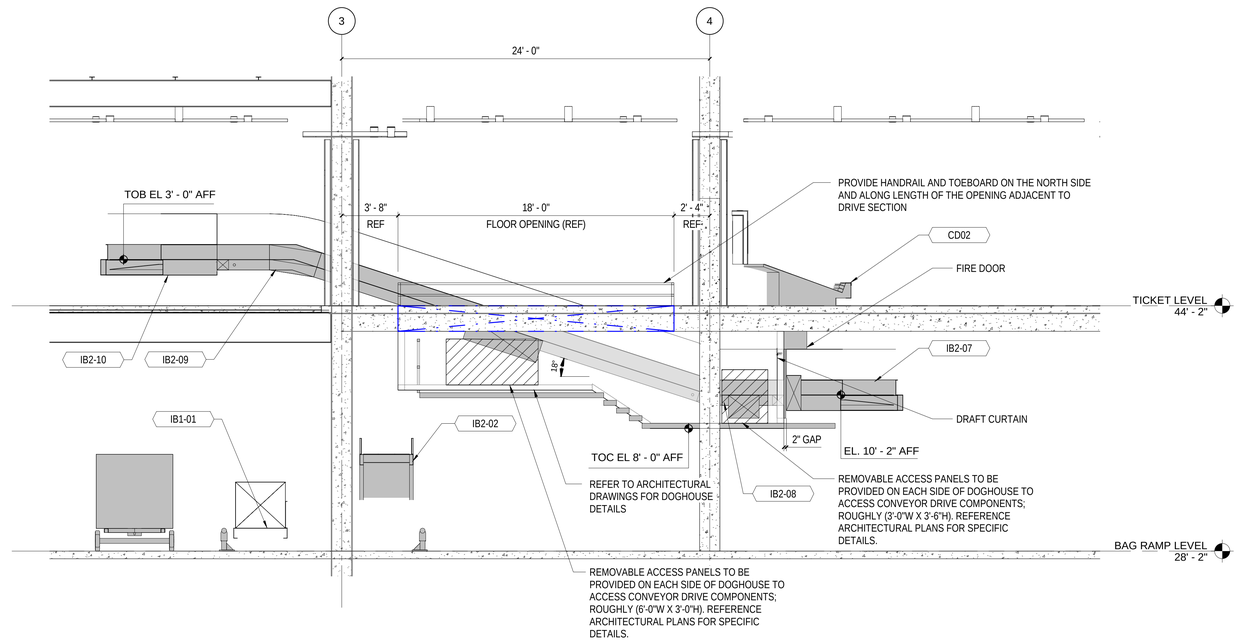
SHEET NUMBER

B-204



A IB1 FEED TO CD01

1/4" = 1'-0"



B IB2 FEED TO CD02

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

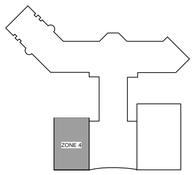
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

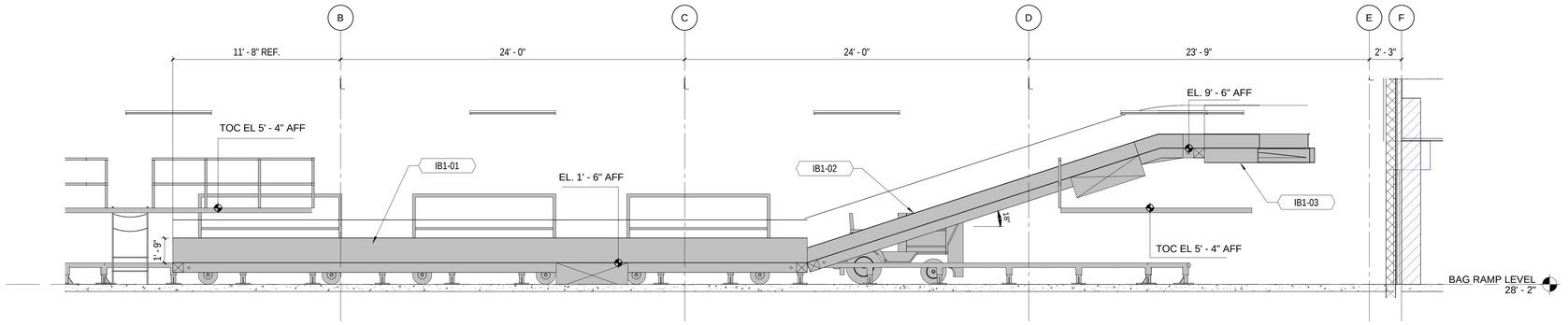
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

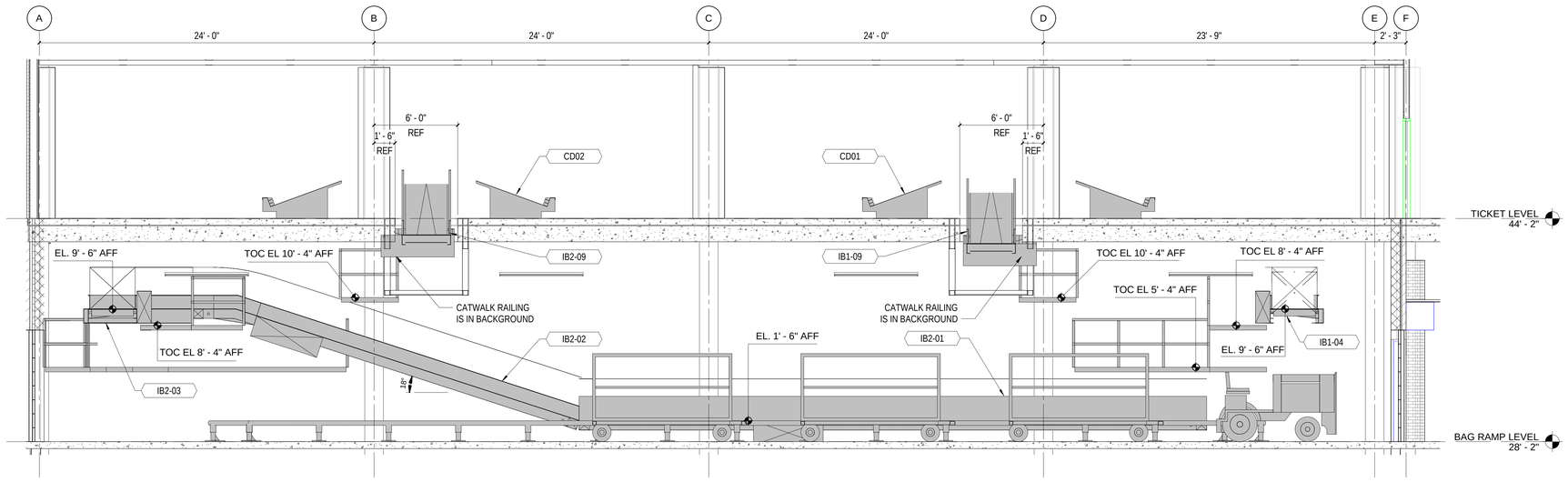
BAGGAGE HANDLING EQUIPMENT INBOUND PROPOSED SECTIONS

SHEET NUMBER

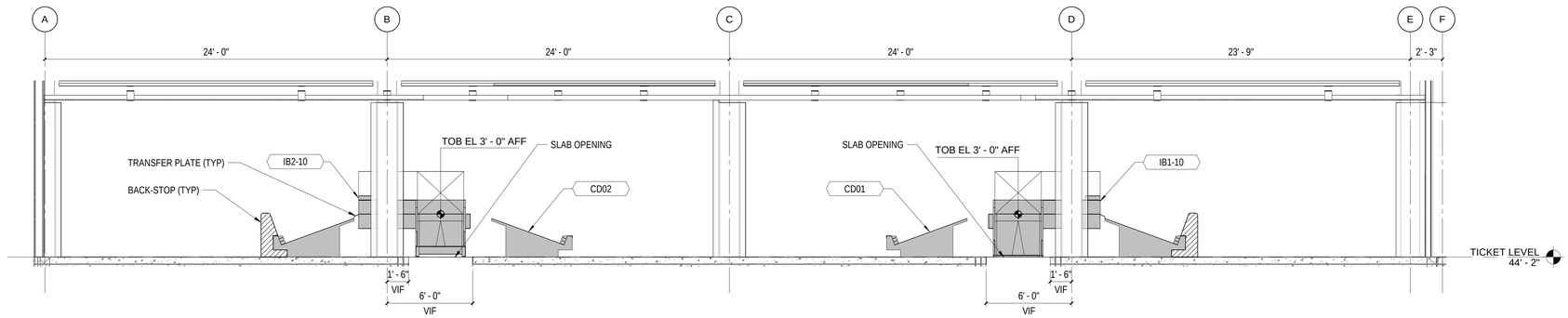
B-300



C IB1 LOAD CONVEYOR
1/4" = 1'-0"



D IB2 LOAD CONVEYOR
1/4" = 1'-0"



E IB2 FEED TO CD02 & IB1 FEED TO CD01
1/4" = 1'-0"

TRUE NORTH

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

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

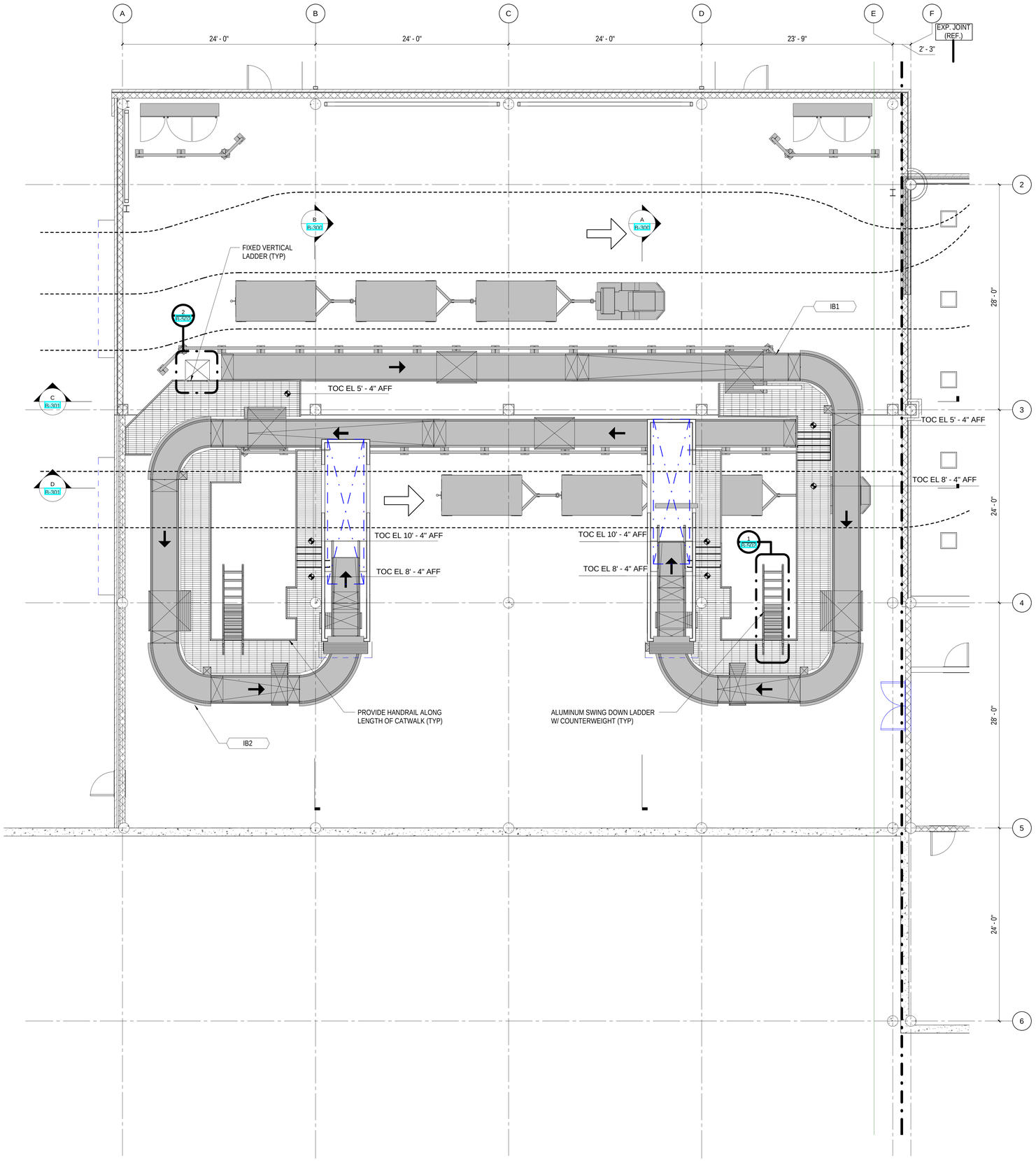
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT INBOUND PROPOSED SECTIONS

SHEET NUMBER
B-301



C PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS WITH CATWALK

3/16" = 1'-0"

MAINTENANCE CATWALK NOTES:

1. THE MAINTENANCE CATWALKS AND WALKWAYS THAT ARE SHOWN ON THESE DRAWINGS ARE INTENDED AS TYPICAL SCHEMATIC EXAMPLES OF WHERE CATWALKS AND WALKWAYS ARE TO BE PROVIDED AND THE APPROXIMATE CONFIGURATION.
2. PROVIDE AND INSTALL AS A MINIMUM THE MAINTENANCE CATWALKS AND ASSOCIATED LADDERS, STAIRS AND CROSS-OVERS THAT ARE SHOWN IN THIS DRAWING PACKAGE.
3. WHERE FIXED STAIRS OR LADDERS ARE NOT FEASIBLE, PROVIDE ACCESS TO REMOTE JAM OR MAINTENANCE POINTS BY ROLLING STAIR OR SCISSOR LIFT.
4. REFER TO SPECIFICATION FOR REQUIREMENTS AND CRITERIA ON SYSTEM MAINTENANCE AND OPERATIONAL ACCESS, RELATING TO CATWALKS, ROLLING STAIRS, CROSS-OVERS AND SCISSOR LIFTS.

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

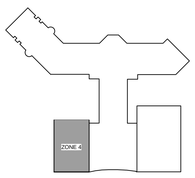
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

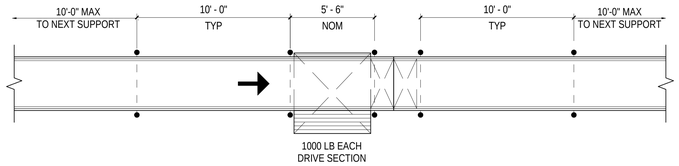
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED CATWALK

TRUE NORTH

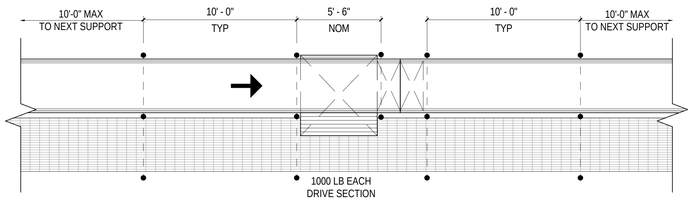
SHEET NUMBER

B-400



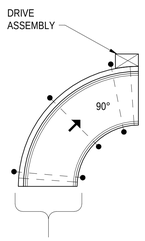
1 SINGLE LEVEL CONVEYOR STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"



2 SINGLE LEVEL CONVEYOR AND CATWALK STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"



TYPICAL EQUIP SUPPORT ASSEMBLY
CONSISTS OF TWO (2) VERT RODS OR
LEGS WITH POINT LOADS OF VARIABLE
MASS AND ONE (1) HORIZONTAL SILL
ANGLE

COMPONENT MASS - TOTAL
90° POWER TURN = 1300 LB

3 POWER TURNS STANDARD SUPPORT LOAD LOCATIONS

1/4" = 1'-0"

GENERAL LOAD NOTES:

1. THE CONVEYOR ATTACHMENT METHODS REPRESENTED ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE BAGGAGE HANDLING SYSTEM CONTRACTOR IS REQUIRED TO SUBMIT CONVEYOR ATTACHMENT DETAILS INCLUDING LOADING CALCULATIONS BY A REGISTERED PROFESSIONAL ENGINEER TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
2. ALL STRUCTURAL DESIGNS AND ATTACHMENTS SHALL COMPLY WITH ALL STATE, LOCAL AND NATIONAL GOVERNING CODES AND REGULATIONS. ALL CONVEYOR EQUIPMENT SHALL BE CAPABLE OF SUPPORTING A SINGLE CONCENTRATED LOAD OF 250 LB.

BHS SUPPORT ATTACHMENT:

1. WHEN CONNECTING TO BUILDING STEEL USE BEAM CLAMPS SIZED FOR THE BOTTOM FLANGE OF THE BEAM. USE A (MIN) 3/4" DIA THREADED ROD FOR HANGING SUPPORT.
2. WHEN CONNECTING TO THE CONCRETE STRUCTURE USE EITHER A HILTI "KWIK BOLT" OR RAWLING "RAWL-STUD" IN SHEAR FOLLOWS:

   1000 LB LOAD USE MIN 3/8" DIA WITH 2-1/2" EMBEDMENT (MIN)
   1500 LB LOAD USE MIN 1/2" DIA WITH 3-1/2" EMBEDMENT (MIN)
   2000 LB LOAD USE MIN 5/8" DIA WITH 4" EMBEDMENT (MIN)
   MIN SPACING 4" WITH 8" EDGE DISTANCE.

BAGGAGE CONVEYOR & CATWALK LOADS:

1. DURING THE DETAIL DESIGN PERIOD, THE FOLLOWING LOADS WERE SUPPLIED TO THE STRUCTURAL ENGINEER FOR USE IN DETERMINING THE LOADS GENERATED BY THE CONVEYOR EQUIPMENT (STATIC AND DYNAMIC LOADS COMBINED). DURING THE BIDDING PERIOD, PROVIDE AND CLEARLY IDENTIFY ANY CONVEYOR EQUIPMENT LOADING REQUIREMENTS MORE STRINGENT THAN WHAT IS SHOWN IN THESE DOCUMENTS THAT MAY BE ESSENTIAL FOR EQUIPMENT CONNECTIONS TO THE BUILDING STRUCTURE.

STANDARD CONV BED SECTION	100 LB/LF
CONV DRIVE	1000 LB EA
MINI CONV DRIVE	850 LB EA
POWER TURN 90°	1300 LB EA
INCLINE PLATE DEVICE	200 LB/LF
CATWALK	65 LB/SF

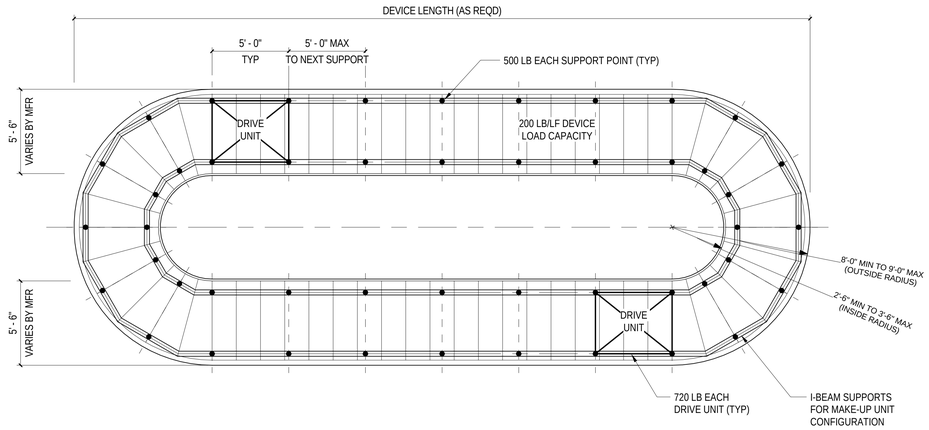
BAGGAGE CONVEYOR AND CATWALK LOADS:

1. THE CONVEYOR SUPPORT POINT LOADING PLACEMENT AND CONFIGURATION SHOWN IS REPRESENTATIVE OF ONE POSSIBLE CONFIGURATION. THIS DIAGRAMMATIC VIEW IS PROVIDED FOR USE BY THE STRUCTURAL ENGINEER IN DETERMINING ALL LOADS IMPOSED BY THE NEW BAGGAGE EQUIPMENT AND ASSOCIATED SERVICES. OTHER CONFIGURATIONS MAY BE PROVIDED.
2. THE BAGGAGE EQUIPMENT CONTRACTOR SHALL PROVIDE SPECIFIC DETAIL SUPPORT DESIGN FOR ALL BUILDING STRUCTURE CONNECTIONS AND ALL VERTICAL SUPPORT MEMBER CONNECTIONS TO FLOOR SLAB AND BUILDING STRUCTURE.
3. THE FINAL STRUCTURAL SUPPORT DESIGN SOLUTION IS THE RESPONSIBILITY OF THE BAGGAGE EQUIPMENT CONTRACTOR AND SHALL BE COORDINATED WITH AND APPROVED BY THE BHS CONTRACTOR'S PROFESSIONAL PROJECT ENGINEER.
4. THE BAGGAGE EQUIPMENT SUPPLIER IS RESPONSIBLE FOR THE DESIGN AND STRUCTURAL INTEGRITY OF ALL BOLTS, HANGERS, SUPPORT MEMBERS, ETC., AND SHALL PROVIDE ALL NECESSARY MATERIALS REQUIRED FOR INSTALLATION.
5. THE SYMBOLS BELOW ARE FOR LOCATING GENERAL POSITIONS OF SUPPORT LOADS. ALL SPECIFIC LOCATIONS SHOULD BE FIELD VERIFIED TO CONSIDER MAINTENANCE AND REPAIR OF ALL BEARINGS, ROLLERS, ETC.

SYMBOL	DESCRIPTION
● – – – ●	CEILING-SUPPORTED CONVEYOR SILL ASSEMBLY (TYP +7'-6" AND ABOVE)
●———	FLOOR-SUPPORTED CONVEYOR PEDESTAL ASSEMBLY (TYP +7'-6" AND BELOW)
●	CONCENTRATED POINT LOAD (AT SUPPORT LOCATIONS)

6. THE CUMULATIVE LOADING OF ANY SINGLE POINT SHALL NOT EXCEED THE SUM OF THE INDIVIDUAL COMPONENT MAXIMUMS LISTED BELOW. THE MAXIMUM TOTAL INDIVIDUAL LOAD SHALL NOT EXCEED 2000 LB.

STANDARD CONV BED SECTION	500 LB
CONV DRIVE	250 LB
MINI CONV DRIVE	215 LB
POWER TURN	250 LB
INCLINE PLATE DEVICE	500 LB
CATWALK	975 LB



4 INCLINE PLATE DEVICE SUPPORTS

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

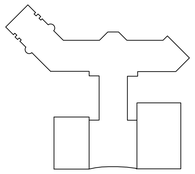
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

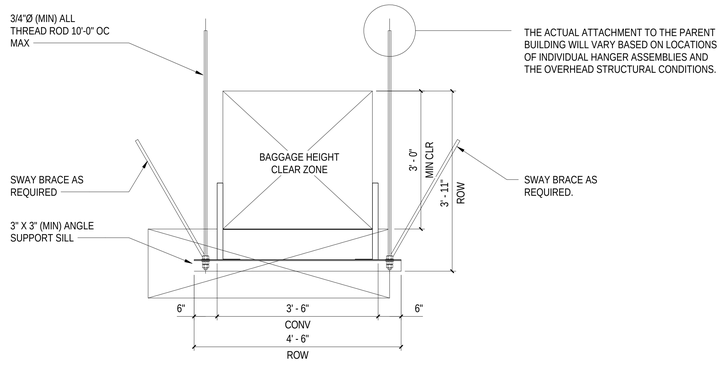
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

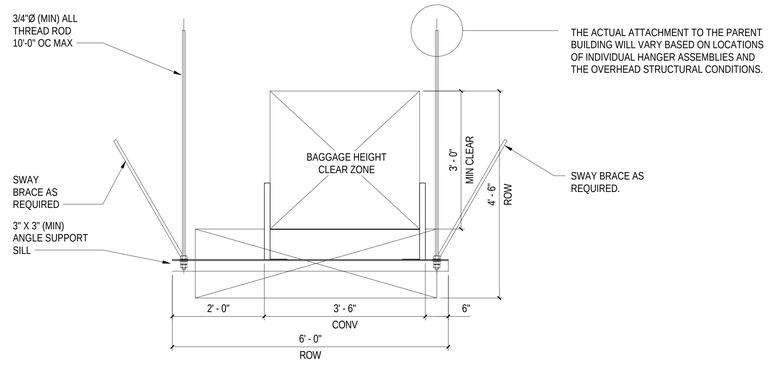
BAGGAGE HANDLING EQUIPMENT TYPICAL LOADING DIAGRAMS

SHEET NUMBER
B-500



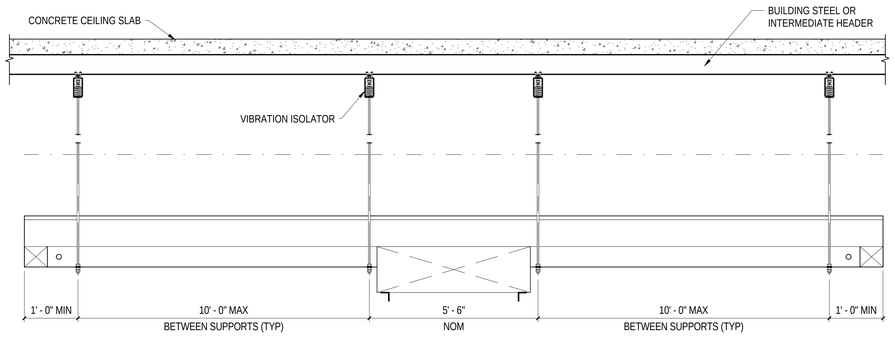
1 CONVEYOR HANGER SILL SUPPORT

3/4" = 1'-0"



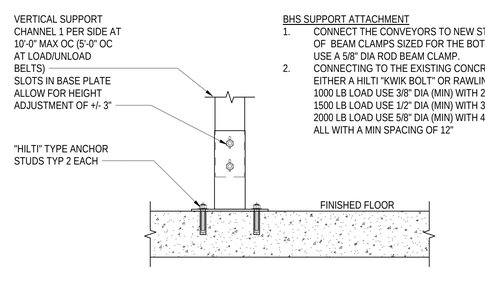
2 CONVEYOR DRIVE HANGER SILL SUPPORT

3/4" = 1'-0"



3 HANGER SUPPORTED CONVEYOR USING 'UNI-STRUT' BEAM CLAMPS AND VIBRATION ISOLATORS

1/2" = 1'-0"

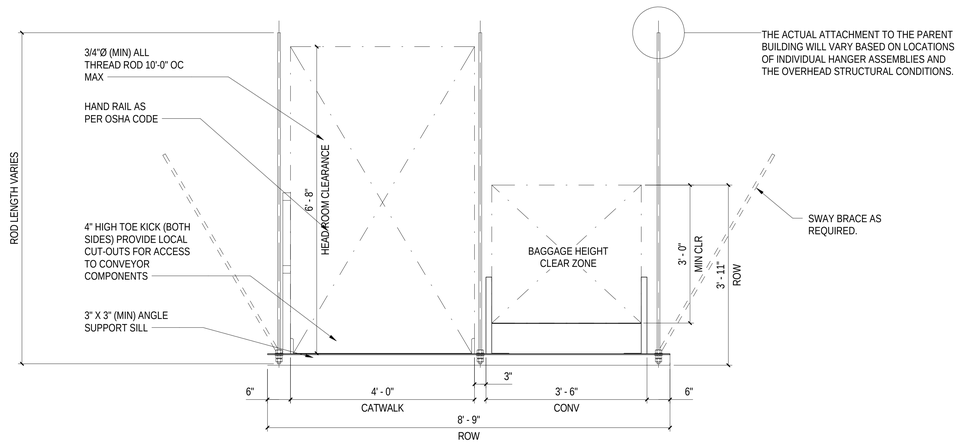


BHS SUPPORT ATTACHMENT

1. CONNECT THE CONVEYORS TO NEW STEEL FRAME AREAS BY MEANS OF BEAM CLAMPS SIZED FOR THE BOTTOM FLANGE OF THE BEAM USE A 5/8" DIA ROD BEAM CLAMP.
2. CONNECTING TO THE EXISTING CONCRETE STRUCTURE USING EITHER A HILTI "KWIK BOLT" OR RAWLING "RAWL-STUD" AS FOLLOWS:
   1000 LB LOAD USE 3/8" DIA (MIN) WITH 2 1/2" (MIN) EMBEDMENT
   1500 LB LOAD USE 1/2" DIA (MIN) WITH 3 1/2" (MIN) EMBEDMENT
   2000 LB LOAD USE 5/8" DIA (MIN) WITH 4" (MIN)EMBEDMENT
   ALL WITH A MIN SPACING OF 12"

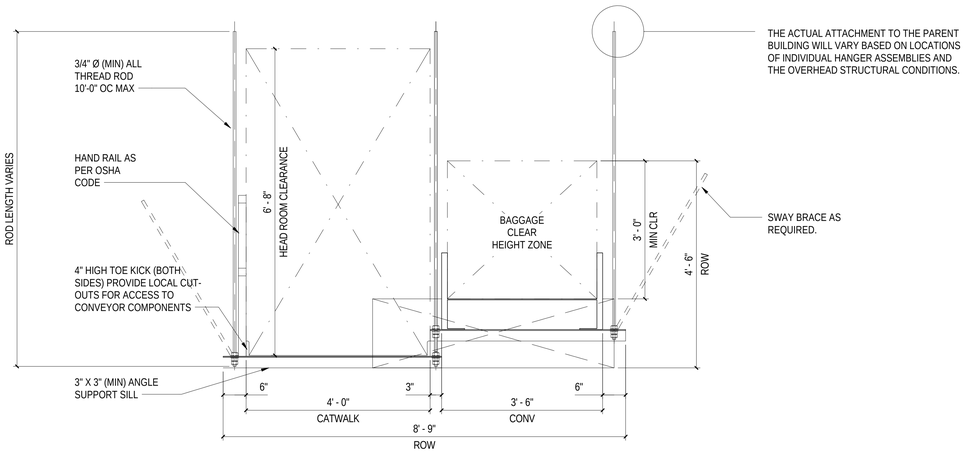
4 FLOOR SUPPORTED CONVEYOR LEG ATTACHMENT

1 1/2" = 1'-0"



5 CONVEYOR AND CATWALK HANGER SINGLE SILL SUPPORT

3/4" = 1'-0"



6 CONVEYOR AND CATWALK HANGER DOUBLE SILL SUPPORT

3/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

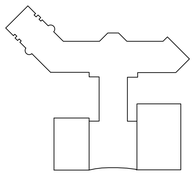
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

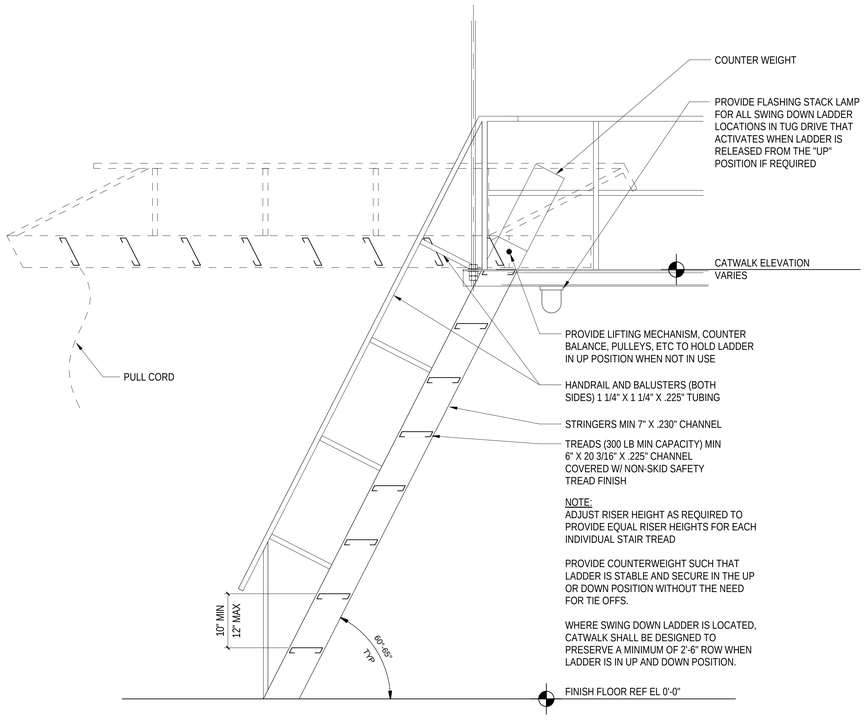
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

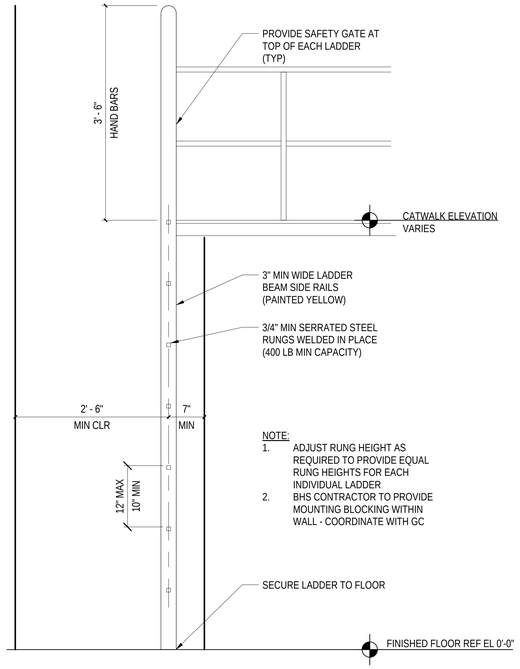
BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS

SHEET NUMBER

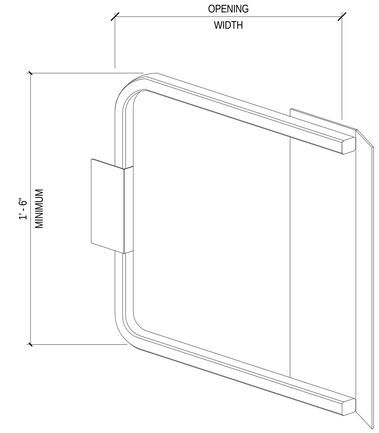
B-501



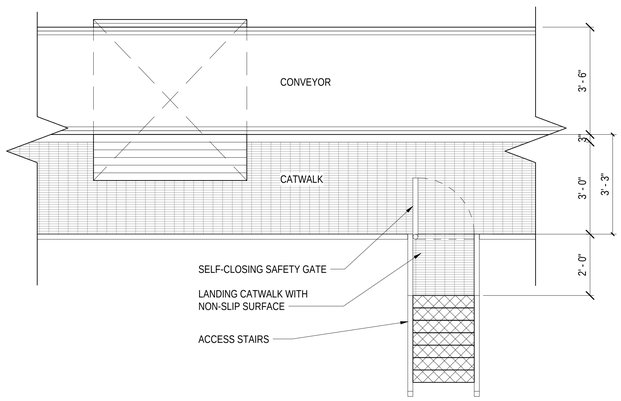
1 ALUMINUM SWING-DOWN LADDER WITH COUNTERWEIGHT
1" = 1'-0"



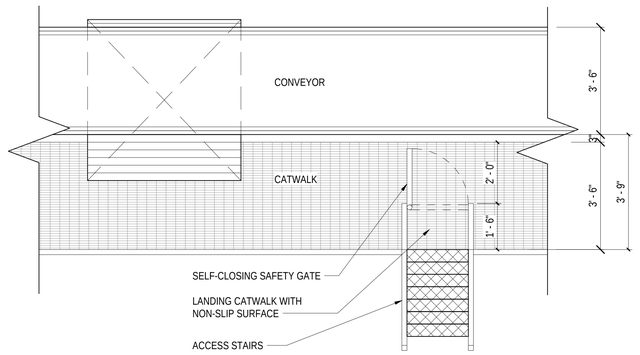
2 VERTICAL LADDER FOR MAINTENANCE ACCESS
1" = 1'-0"



3 SWING GATE
3" = 1'-0"



4 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE
1/2" = 1'-0"



5 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE
1/2" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

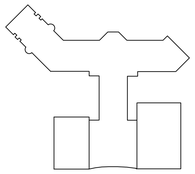
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

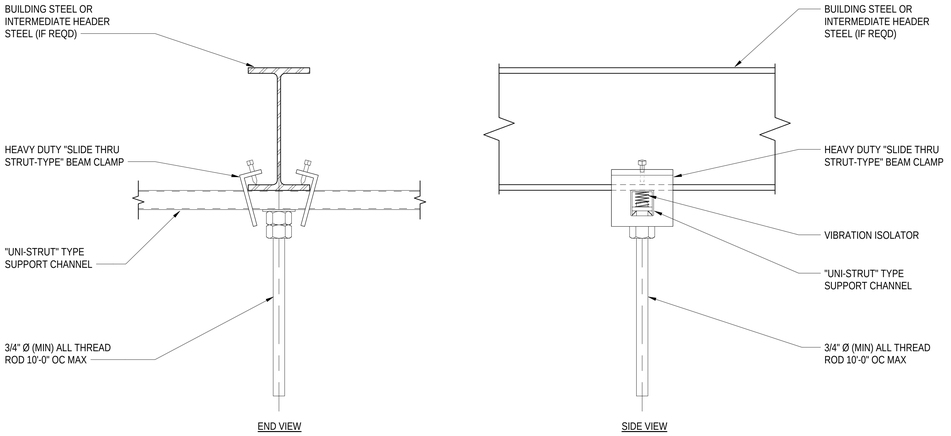
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

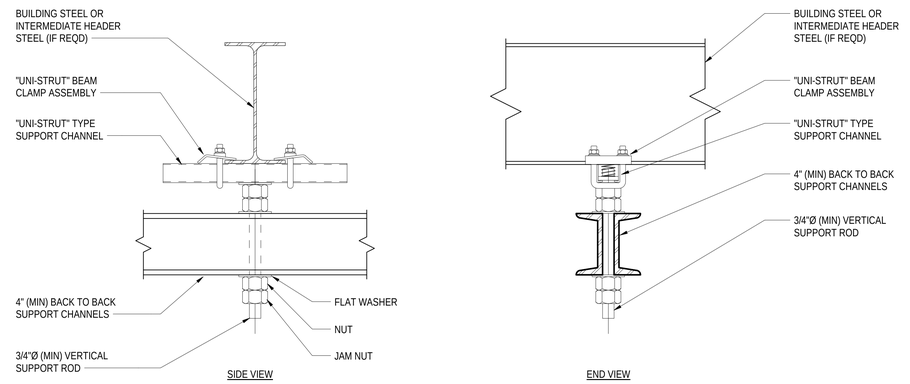
BAGGAGE HANDLING EQUIPMENT TYPICAL LADDER AND STAIR LANDING DETAILS

SHEET NUMBER
B-502



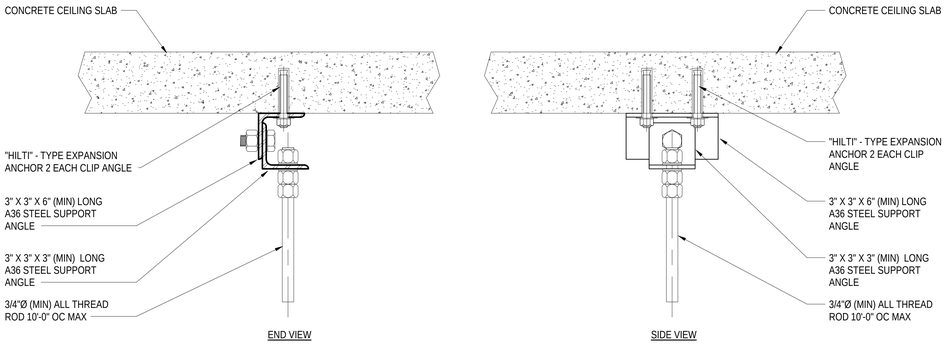
1 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP A

3" = 1'-0"



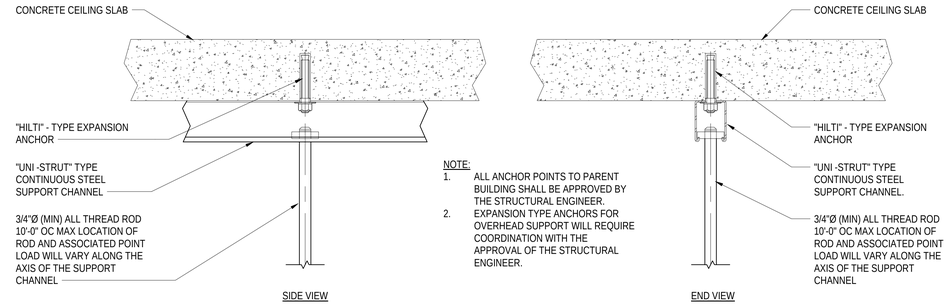
2 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP B

3" = 1'-0"



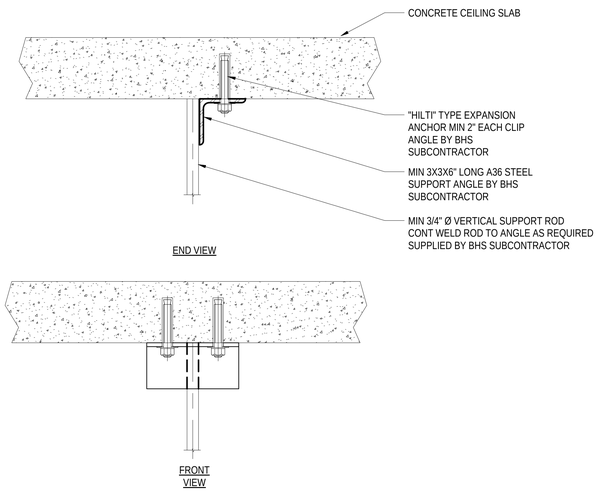
3 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE

3" = 1'-0"



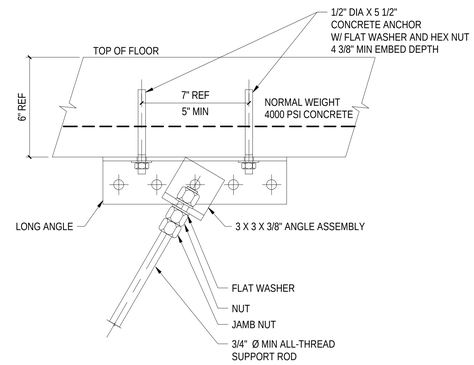
4 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - CONCRETE SLAB A

3" = 1'-0"



5 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE

3" = 1'-0"



6 TYPICAL SWAY BRACE CONNECTION TO CONCRETE DECK

3" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

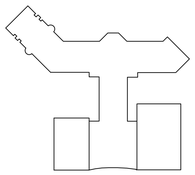
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

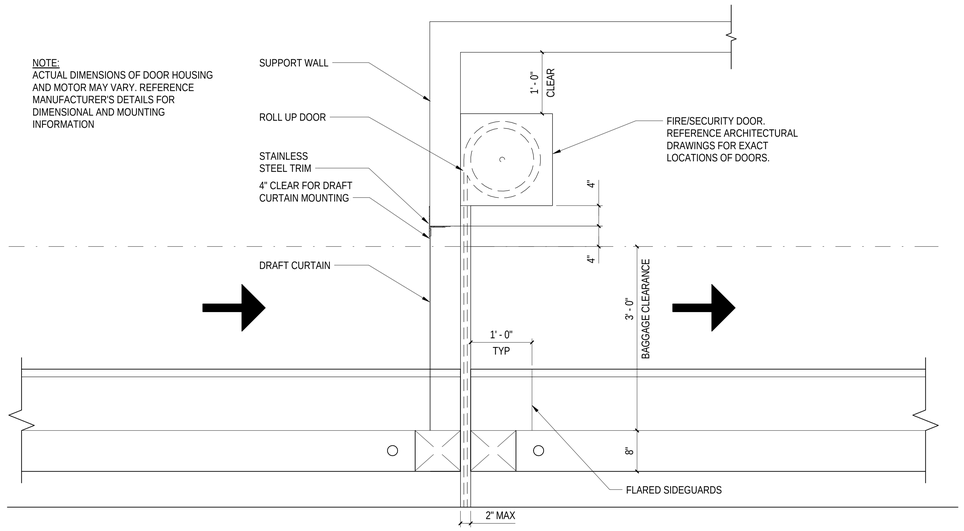
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS

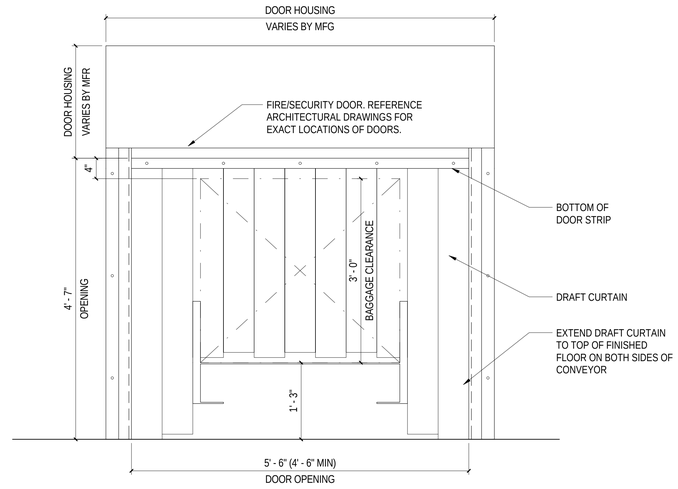
SHEET NUMBER

B-503



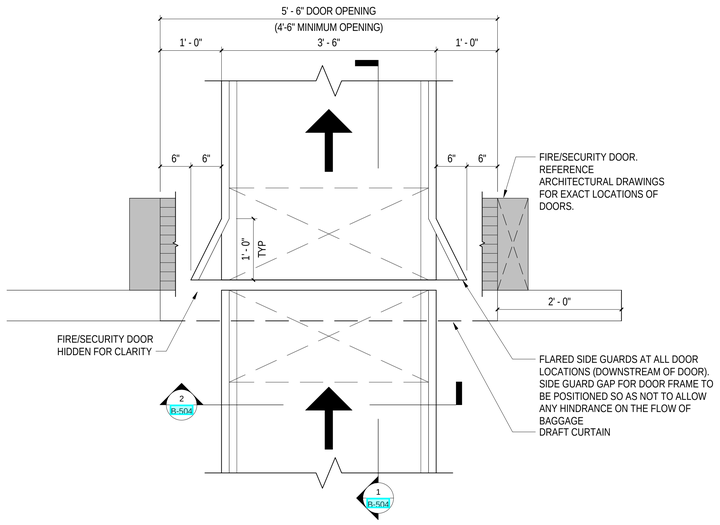
1 TYPICAL FIRE / SECURITY DOOR MOUNTING

1" = 1'-0"



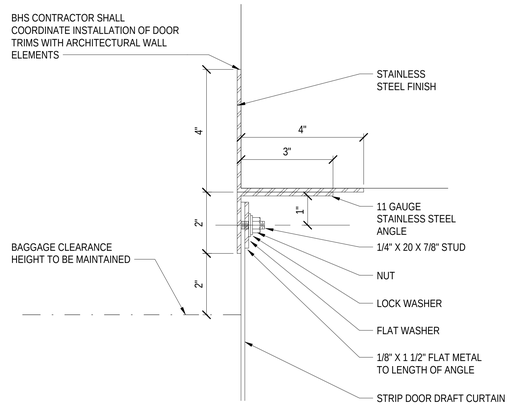
2 DOOR OPENING AT FIRE / SECURITY DOOR

1" = 1'-0"



3 FLARED SIDEGUARD FOR CONVEYOR GAP AT FIRE/SECURITY DOOR

1" = 1'-0"

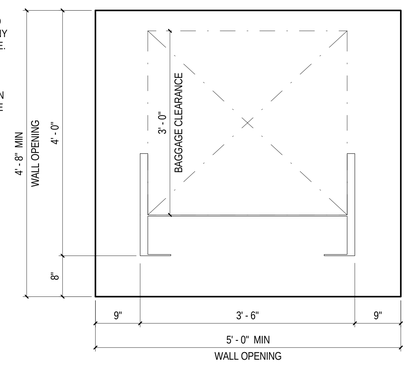


4 TYPICAL DRAFT CURTAIN MOUNTING

6" = 1'-0"

1. SIDEGUARD GAP FOR DOOR FRAME TO BE POSITIONED SO AS NOT TO ALLOW ANY HINDERANCE ON THE FLOW OF BAGGAGE.

2. PROVIDE DRAFT CURTAINS AT CONVEYOR ENCLOSURES AND AT ALL WALL/FLOOR OPENINGS. DRAFT CURTAIN SUPPORT TO MAINTAIN 3' - 0" CLEARANCE ABOVE CONVEYOR BELT.



5 TYPICAL CONVEYOR OPENING

1" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

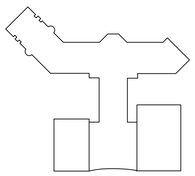
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

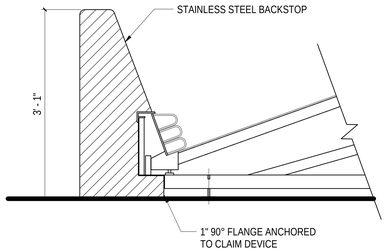
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL FIRE/SECURITY DOOR & ACCESS HATCH DETAILS

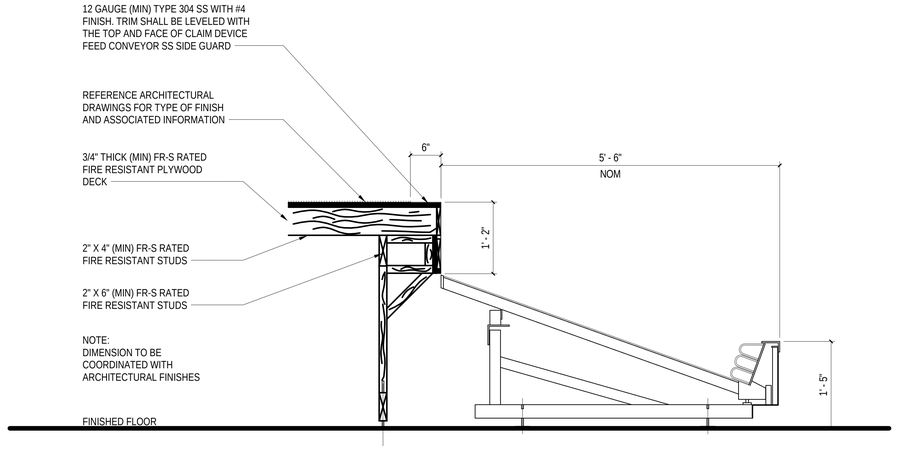
SHEET NUMBER

B-504



1 INCLINE PLATE CLAIM UNIT WITH BACK-STOP

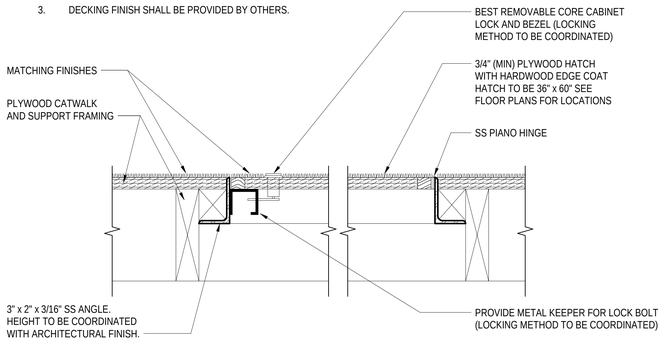
1" = 1'-0"



2 CLAIM DEVICE INTERIOR DECKING

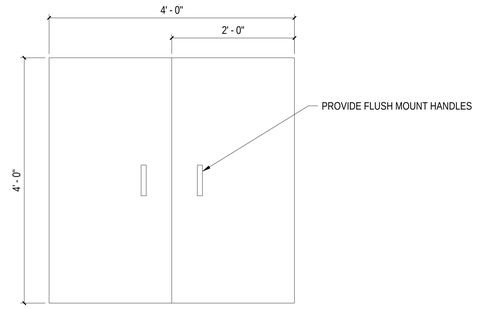
1" = 1'-0"

1. ALL INTERIOR WOOD FRAMING AND BLOCKING SHALL BE FIRE RETARDANT TREATED. PROVIDE 3/4" PLYWOOD ENCLOSURES UNDER CATWALK
2. BHS CONTRACTOR SHALL PROVIDE THE INSIDE PERIMETER DECKING FOR ALL CLAIM DEVICES.
3. DECKING FINISH SHALL BE PROVIDED BY OTHERS.



3 CLAIM DEVICE HATCH FRAMING

3" = 1'-0"



4 CLAIM DEVICE HATCH

1" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

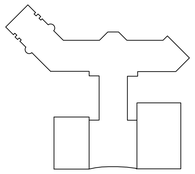
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

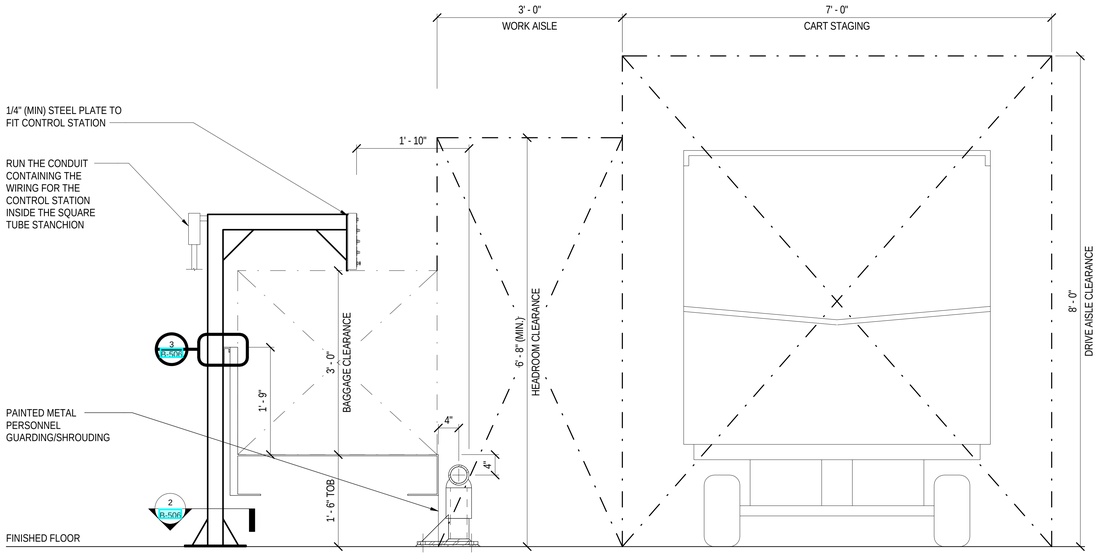
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL INCLINE PLATE CLAIM DEVICE DETAILS

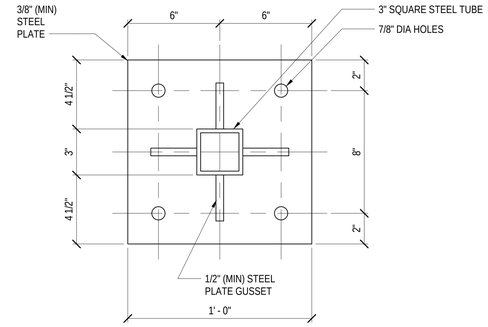
SHEET NUMBER

B-505



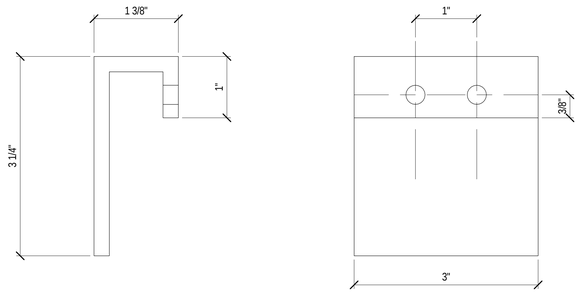
1 CONTROL STATION STANCHION AND GUARDING FOR LOAD CONVEYOR

1" = 1'-0"



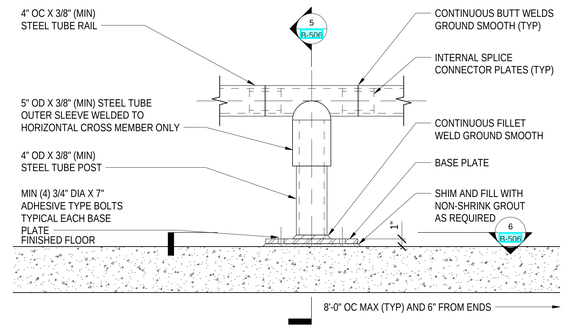
2 CONTROL STATION STANCHION BASE PLATE

3" = 1'-0"



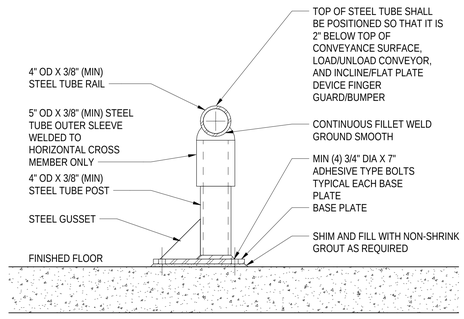
3 CONTROL STATION STANCHION SIDE GUARD BRACE

12" = 1'-0"



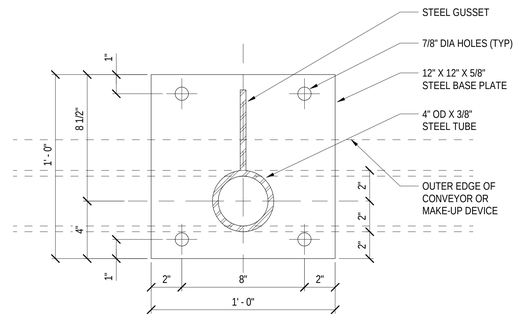
4 IMPACT PROTECTION AT FLOOR LEVEL

1 1/2" = 1'-0"



5 IMPACT PROTECTION AT FLOOR LEVEL CROSS SECTION

1 1/2" = 1'-0"



6 IMPACT PROTECTION BASE PLATE AND POST

3" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

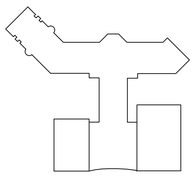
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED

PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

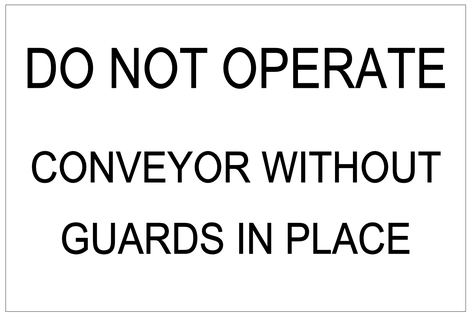
BAGGAGE HANDLING EQUIPMENT TYPICAL IMPACT PROTECTION DETAILS

SHEET NUMBER

B-506



1 BHS OPERATIONAL WARNING SIGN #1
6" = 1'-0"



2 BHS OPERATIONAL WARNING SIGN #2
6" = 1'-0"



3 BHS OPERATIONAL WARNING SIGN #3
6" = 1'-0"



4 BHS OPERATIONAL WARNING SIGN #4
6" = 1'-0"



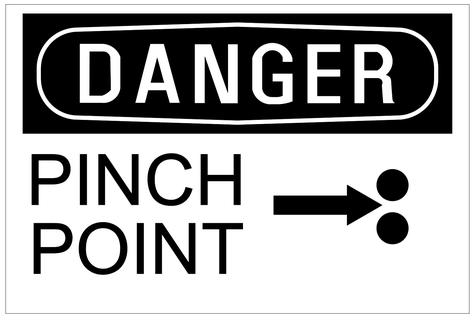
5 BHS OPERATIONAL WARNING SIGN #5
6" = 1'-0"



6 BHS OPERATIONAL WARNING SIGN #6
6" = 1'-0"



7 BHS OPERATIONAL WARNING SIGN #7
6" = 1'-0"



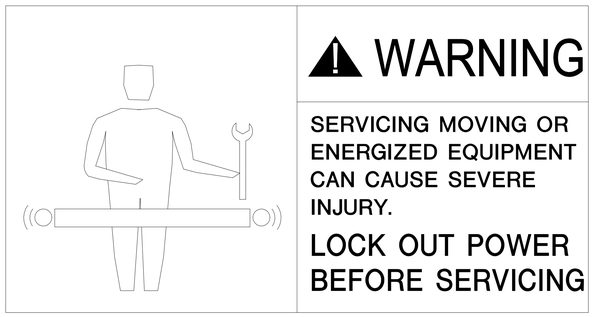
8 BHS OPERATIONAL WARNING SIGN #8
6" = 1'-0"



9 BHS OPERATIONAL WARNING SIGN #9
6" = 1'-0"



10 BHS OPERATIONAL WARNING SIGN #10
6" = 1'-0"



11 BHS OPERATIONAL WARNING SIGN #11
6" = 1'-0"



12 BHS OPERATIONAL WARNING SIGN #12
6" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

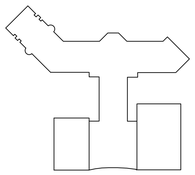
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

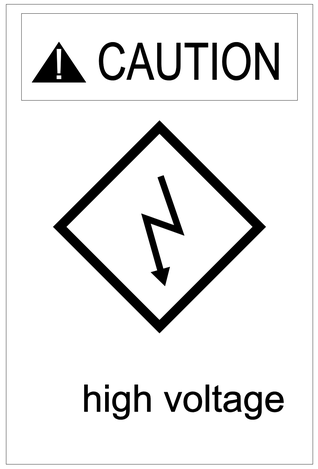
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

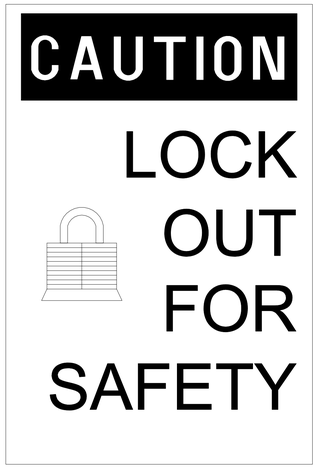
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE

SHEET NUMBER
B-507



1 BHS OPERATIONAL WARNING SIGN #13
6" = 1'-0"



2 BHS OPERATIONAL WARNING SIGN #14
6" = 1'-0"



3 BHS OPERATIONAL WARNING SIGN #15
6" = 1'-0"



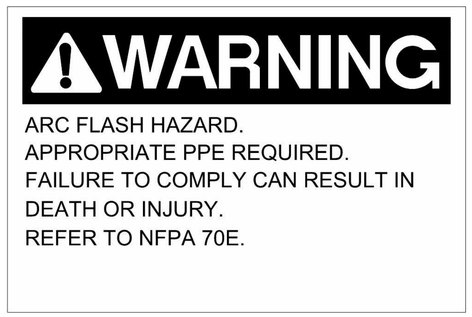
4 BHS OPERATIONAL WARNING SIGN #16
6" = 1'-0"



5 BHS OPERATIONAL WARNING SIGN #17
6" = 1'-0"



6 BHS OPERATIONAL WARNING SIGN #18
6" = 1'-0"



7 BHS OPERATIONAL WARNING SIGN #19
6" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

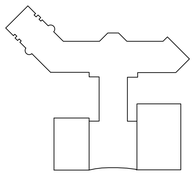
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

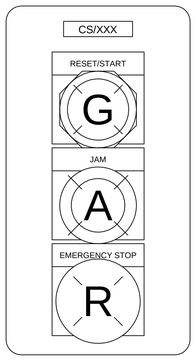
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

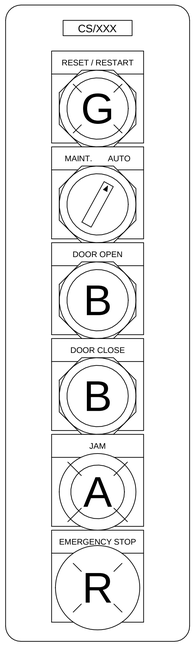
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL WARNING SIGNAGE

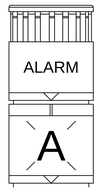
SHEET NUMBER
B-508



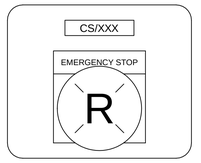
1 TYPE 1 - TRANSPORT & CLAIM DEVICE
12" = 1'-0"



2 TYPE 4 - FIRE/SECURITY DOOR
12" = 1'-0"



3 TYPE 10 - CLAIM DEVICE AUDIO/VISUAL ALARM
12" = 1'-0"



4 TYPE 15 - CLAIM DEVICE
12" = 1'-0"

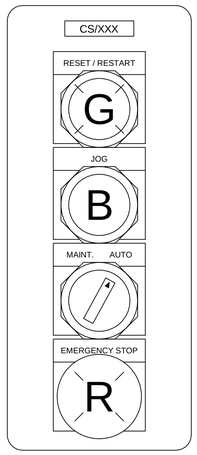
CONTROL PANEL LEGEND

- SELECTOR-SWITCH
- ILLUMINATED PUSH BUTTON
- ILLUMINATED INDICATOR LIGHT
- PUSH BUTTON
- MUSHROOM HEAD EMERGENCY STOP ILLUMINATED PUSH AND PULL RELEASE WITH LOCKABLE COVER
- KEY SWITCH
- START ALARM

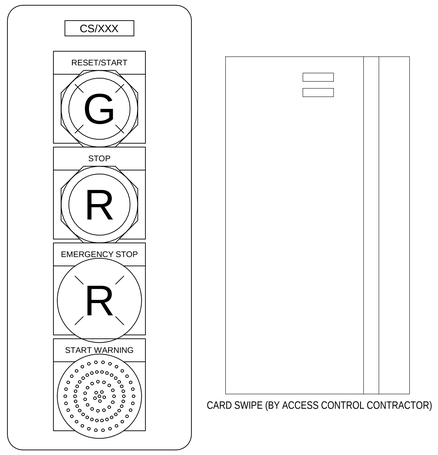
CONTROL PANEL OPERATOR ABBREVIATIONS

R - RED, A - AMBER, G - GREEN, Y - YELLOW,
W - WHITE, B - BLACK, BL - BLUE, GY - GRAY

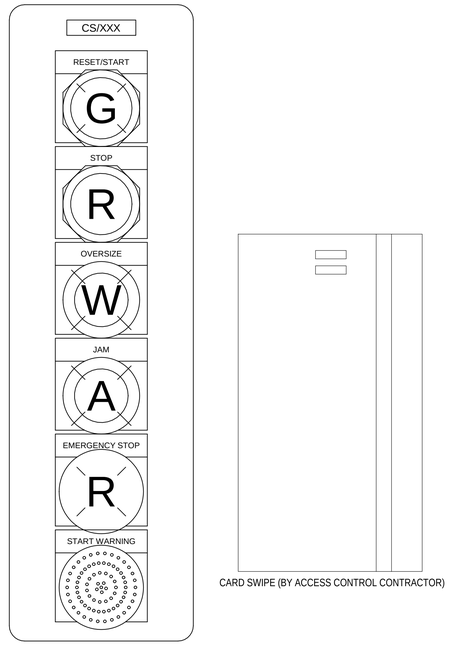
NOTES:
1. BHS EQUIPMENT CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EMERGENCY STOP CONTROL STATIONS THAT MAY BE REQUIRED TO MEET CODE AND TO PROVIDE A SAFE WORKING ENVIRONMENT.
2. AS A MINIMUM, PROVIDE ONE EMERGENCY STOP CONTROL STATION ON EACH SEGMENT OF CATWALK.
3. ALL CONTROL STATIONS SHALL BE LOCATED ON THE CATWALK SIDE OF THE CONVEYORS.



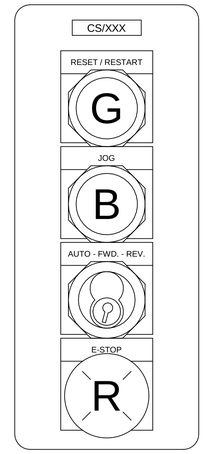
5 TYPE 11 - CLAIM DEVICE AT DRIVE
12" = 1'-0"



6 TYPE 12 - INBOUND UNLOAD CONVEYOR CHARGE END
12" = 1'-0"



7 TYPE 13 - INBOUND UNLOAD CONVEYOR DISCHARGE END
12" = 1'-0"



8 TYPE 19 - CLAIM DEVICE FEED
12" = 1'-0"

ILM
TERMINAL IMPROVEMENTS CONTRACT 3
Wilmington International Airport
1740 Airport Boulevard, Suite 12
Wilmington, NC 28405

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT
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

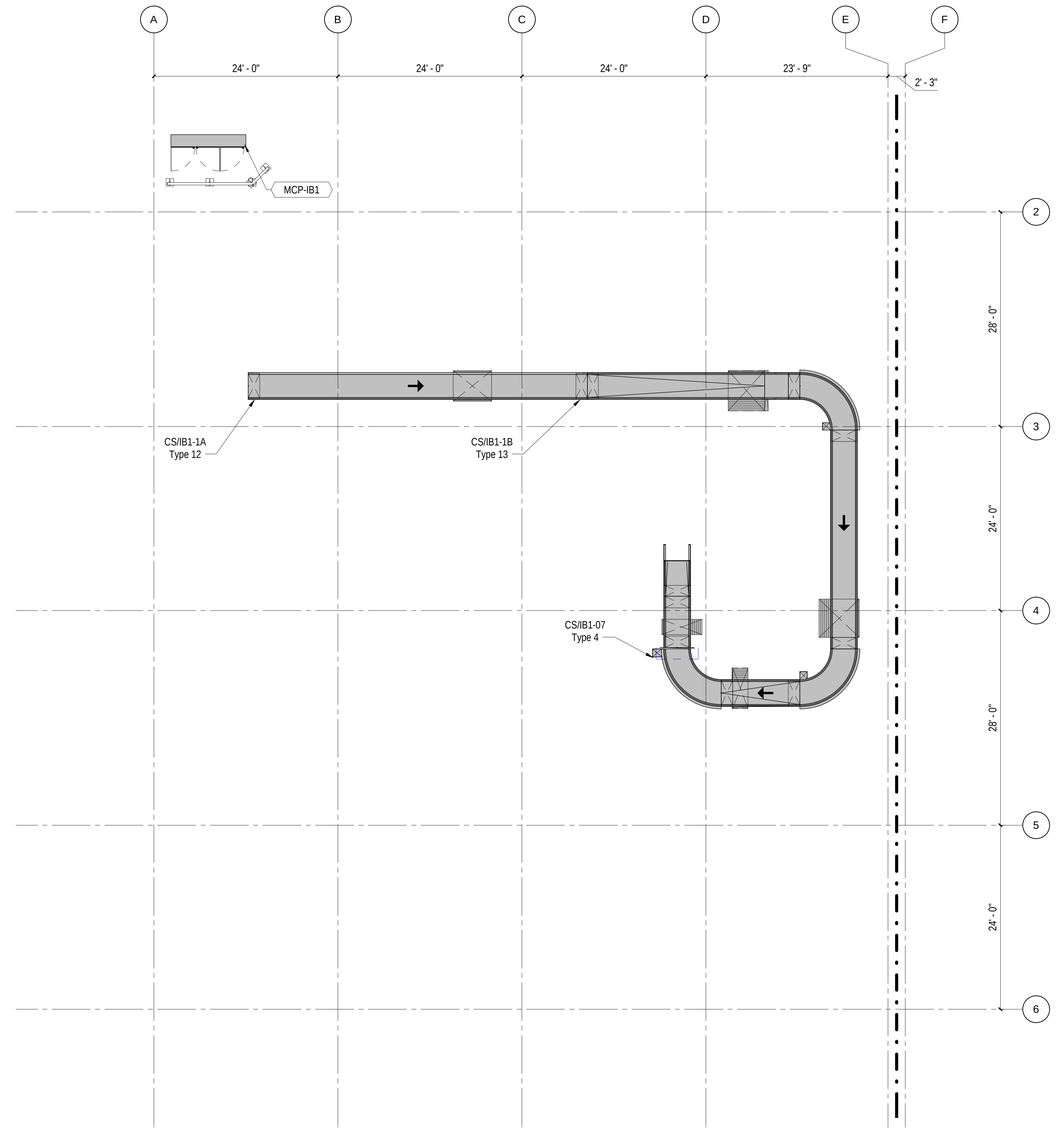
COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

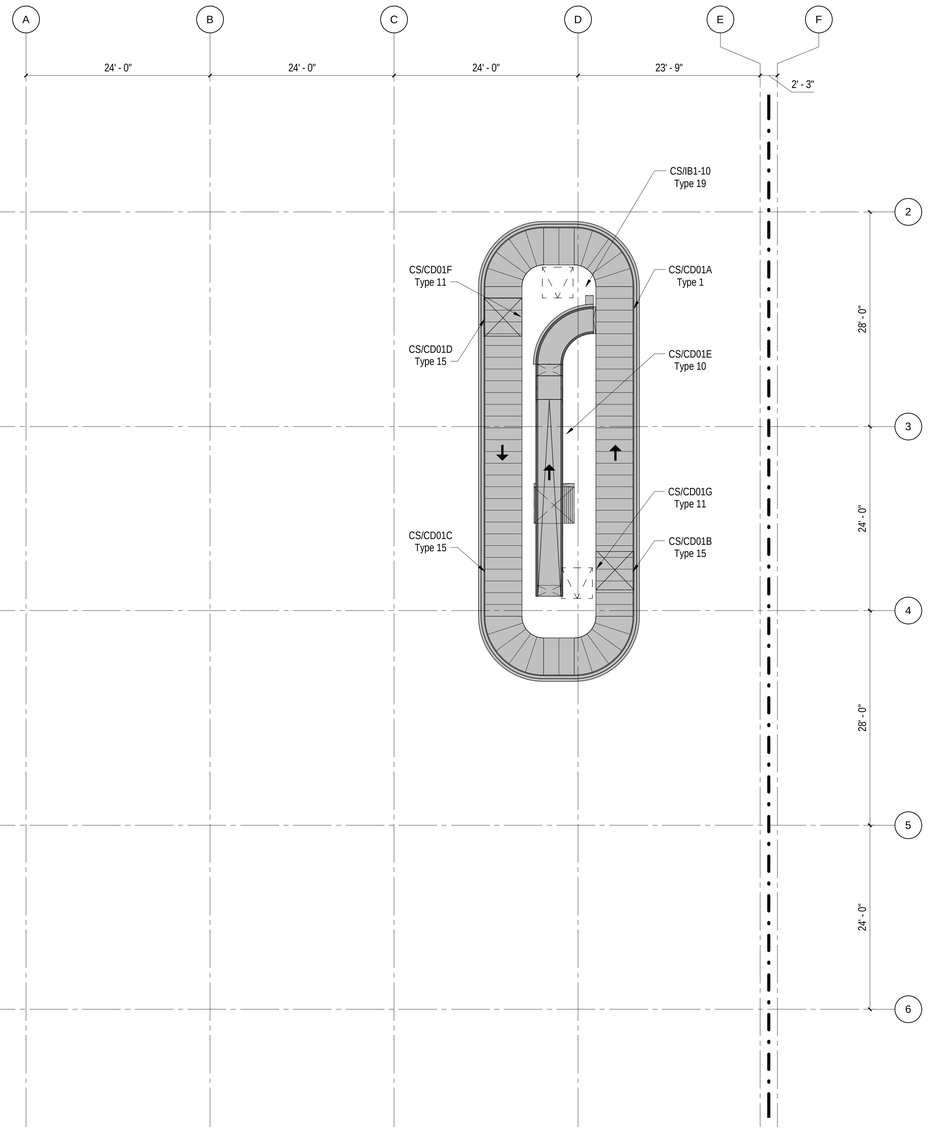
BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATION AND DISPLAYS

SHEET NUMBER
B-600



1 CONTROLS LAYOUT - IB1 SUBSYSTEM

1/8" = 1'-0"



2 CONTROLS LAYOUT - CD01

1/8" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

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

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

REVISIONS

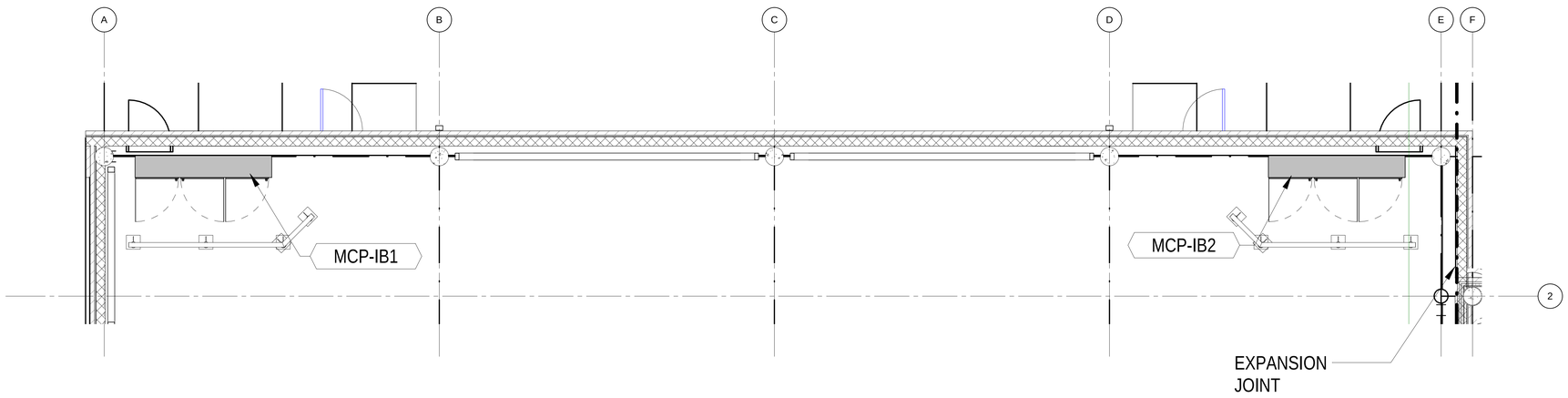
DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT TYPICAL CONTROL STATION AND DISPLAYS

SHEET NUMBER

B-601

CONTRACT 3 INBOUND BHS - ESTIMATED POWER SUMMARY		
Subsystem	**HP**	**Total FLA**
New Install Inbound Subsystem & Claim Device IB1	41	81
New Install Inbound Subsystem & Claim Device IB2	38	78
Total:	**79**	**159**



1 BASEMENT LEVEL - PROPOSED BHS BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS

1/4" = 1'-0"

ILM

TERMINAL IMPROVEMENTS CONTRACT 3

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

THE WILSON GROUP
- ARCHITECTS -

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

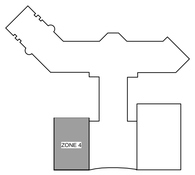
FP/P/M/E ENGINEER
CHEATHAM & ASSOC.

BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM



KEY PLAN

COPYRIGHT © 2019
THE WILSON GROUP ARCHITECTS
ALL RIGHTS RESERVED
•
PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM THE WILSON GROUP ARCHITECTS

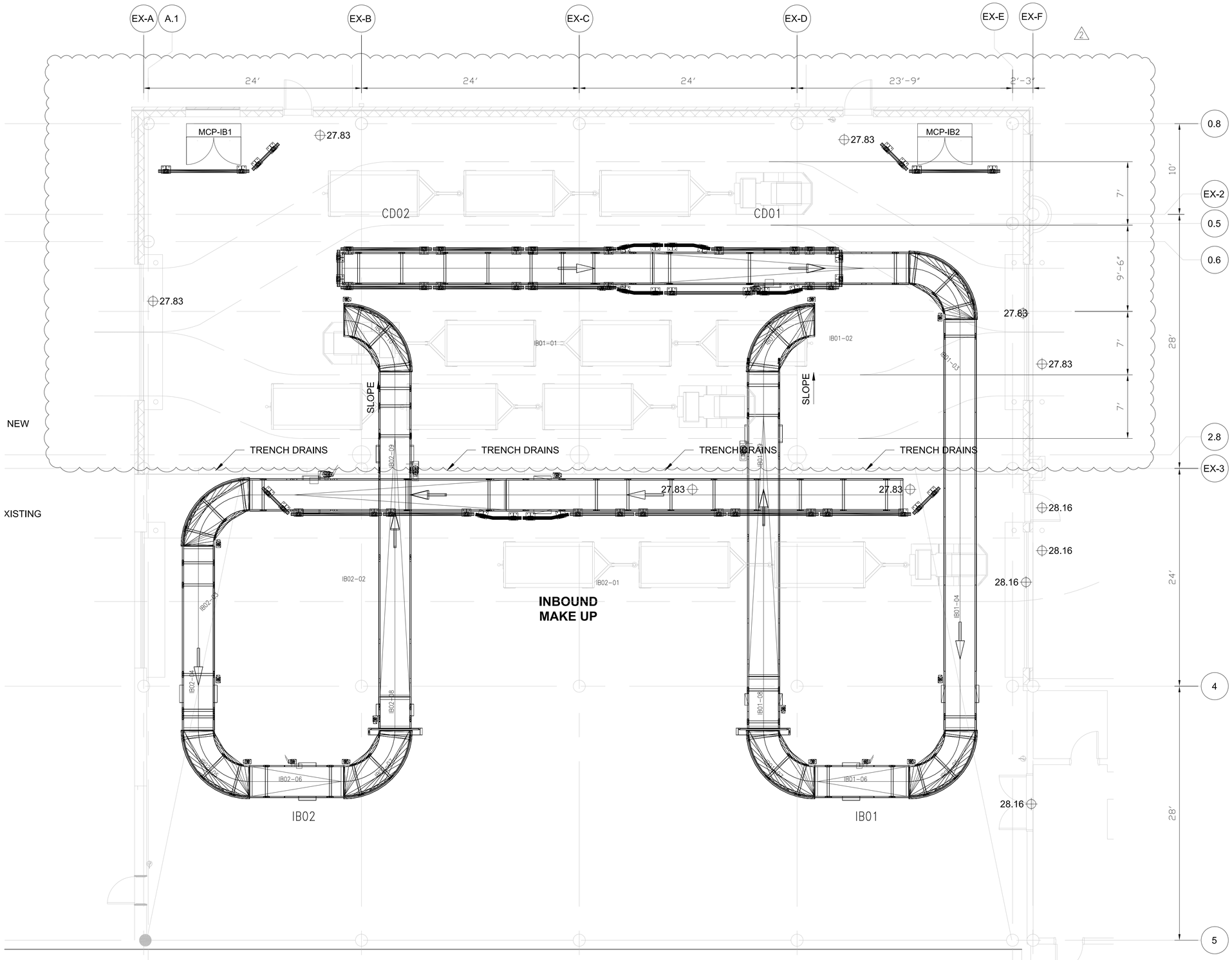
REVISIONS

DATE 06/28/2019
PROJECT NUMBER 2019020
SHEET TITLE

BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS

SHEET NUMBER

B-602



ILM

TERMINALT IMPROVEMENTS CONTRACT 4

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

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

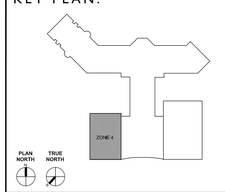
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM

KEY PLAN:



BHS CONTRACTOR:

pteris
Member of the CIMC Group
PTERIS GLOBAL (USA) INC.
2401 Whitehall Park Drive, Suite 1000
Charlotte NC 20273

REV.NO	DESCRIPTION	DATE	CHKD	APPD
3				
2				
1				
1	EXTEND IB01 UNLOADING TO NORTH	23.06.23	HANCHIN	CALVIN
1	REVISED AS PER BNP COMMENTS	29.04.22	BHuo	YAP

DRAWING TITLE :

BHS OVERALL LAYOUT PLAN VIEW

JOB No. : S01B2200200 SCALE: 3/16"=1'-0

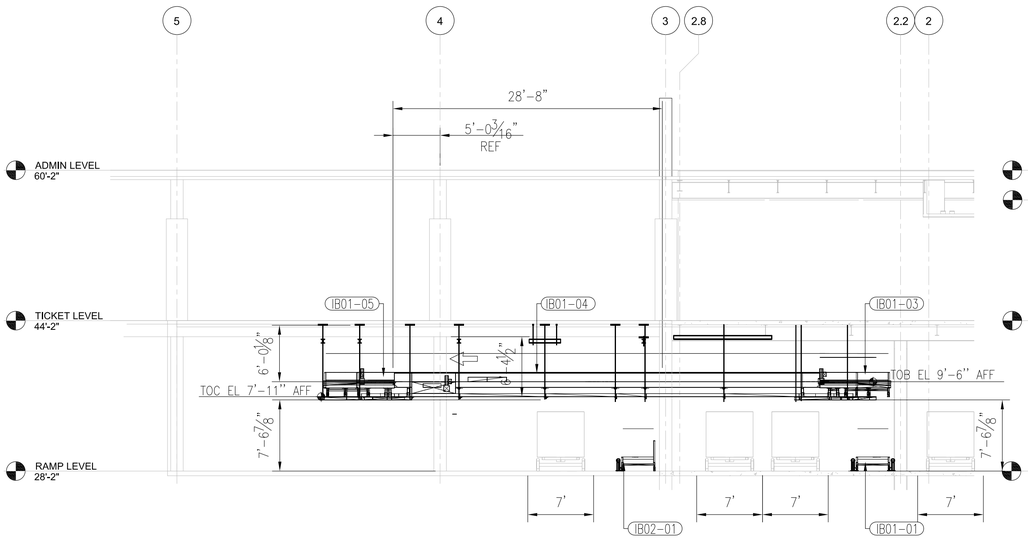
	NAME	SIGN	DATE	SIZE: D
DESIGN	GRACE		10.04.22	3RD ANGLE PROJECTION
DRAWN	BHNEO		10.04.22	
CHECKED	CALVIN	CALVIN	10.04.22	
APPROVED	DOUGLAS	DOUGLAS	10.04.22	

DRAWING NO : ILM-B-001 REV: 3

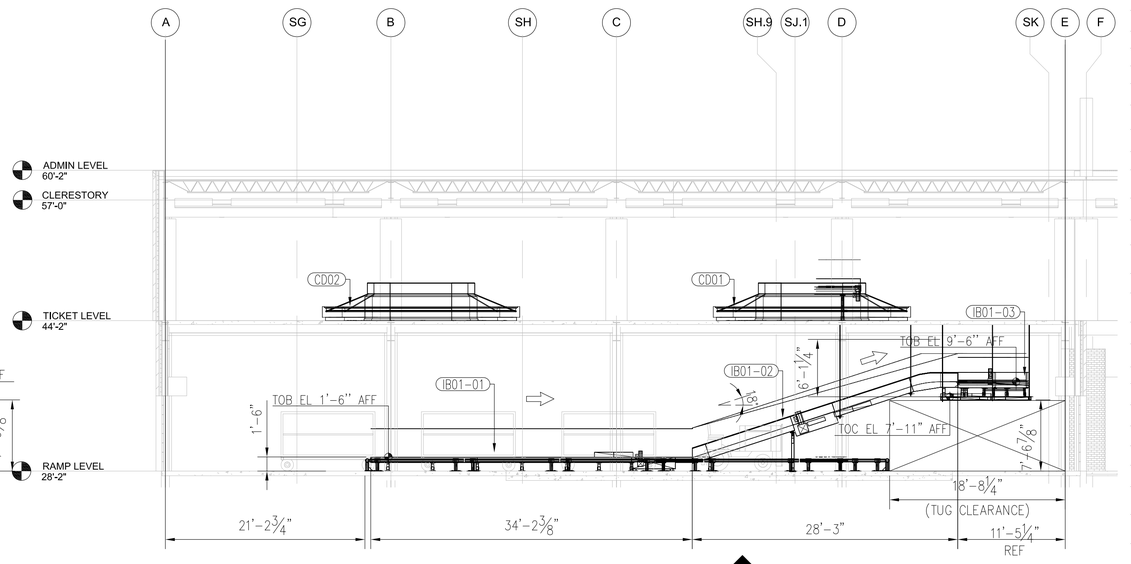
RELEASED FOR
☐ INFORMATION ☐ TENDER ☑ APPROVAL ☐ CONSTRUCTION ☐ AS BUILT

SHEET NO. 1 OF 1

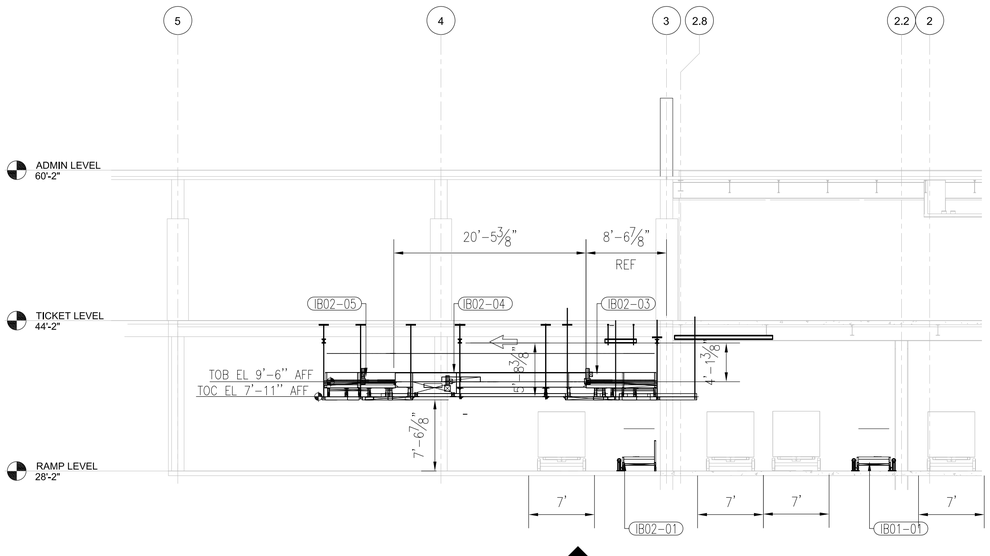
ACAD FILENAME



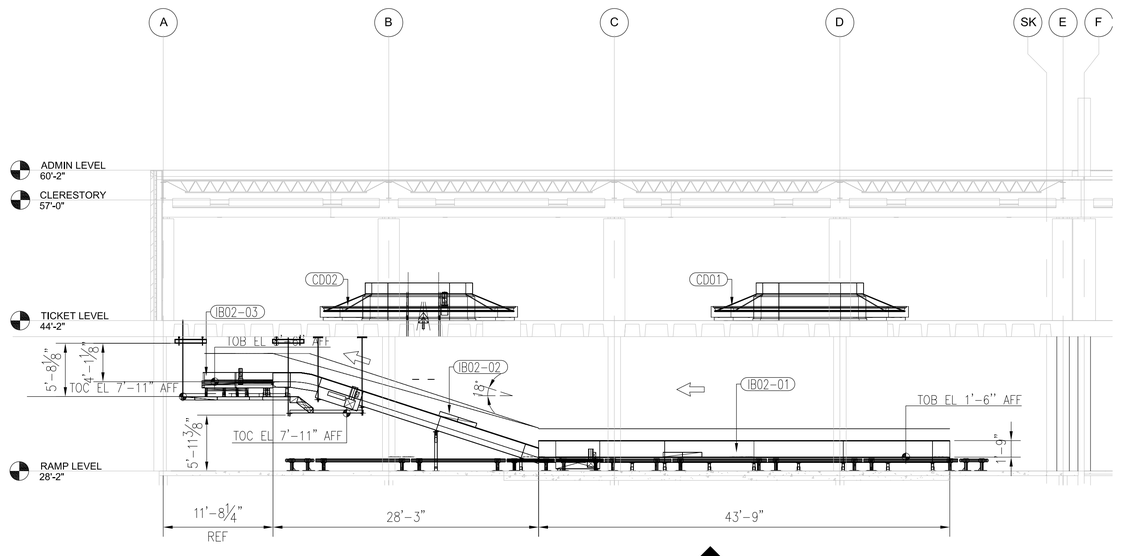
SECTION D B-003



SECTION F B-003



SECTION E B-003



SECTION G B-003

ILM

TERMINALT IMPROVEMENTS CONTRACT 4

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

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

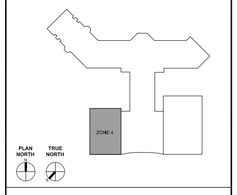
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM

KEY PLAN:



BHS CONTRACTOR:

pteris
Member of the CIMC Group
PTERIS GLOBAL (USA) INC.
2401 Whitehall Park Drive, Suite 1000
Charlotte NC 20273

REV.NO	DESCRIPTION	DATE	CHKD	APPD
3				
2				
1	EXTEND IB01 UNLOADING TO NORTH	23.06.23	HANCHN	CALVIN
3	REVISED AS PER BNP COMMENTS	21.07.22	Bhuv	YAP
1	REVISED AS PER BNP COMMENTS	21.04.22	Bhuv	YAP

DRAWING TITLE :

BHS SECTION FOR ARRIVAL LINE

JOB No. : S01B2200200 | SCALE: 1/8"=1'-0

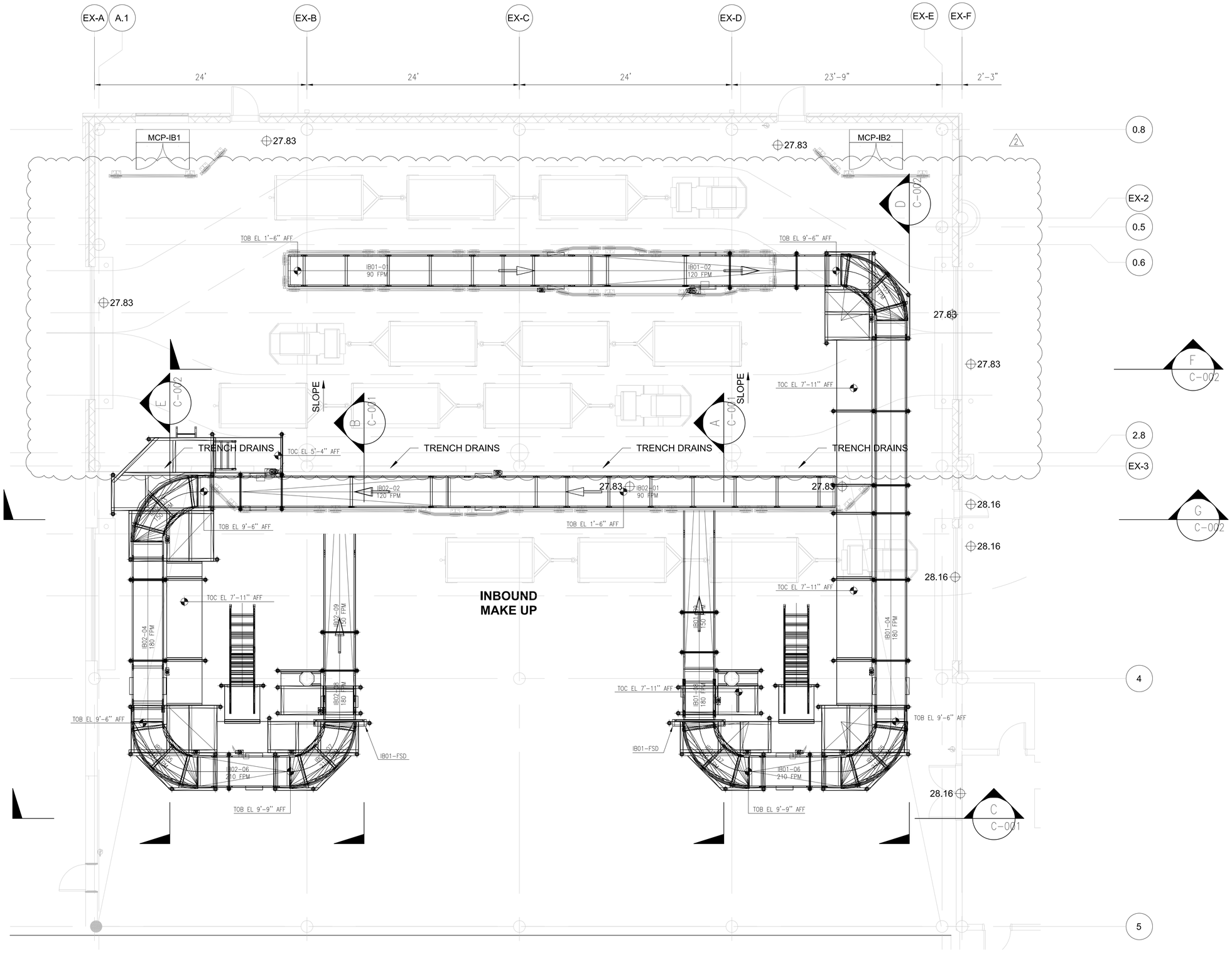
	NAME	SIGN	DATE	SIZE: D
DESIGN	GRACE		01.04.22	3RD ANGLE PROJECTION
DRAWN	BHNEO		01.04.22	
CHECKED	CALVIN	CALVIN	01.04.22	
APPROVED	DOUGLAS	DOUGLAS	01.04.22	

DRAWING NO : ILM-C-002 REV: 3

RELEASED FOR
☐ INFORMATION ☐ TENDER ☑ APPROVAL ☐ CONSTRUCTION ☐ AS BUILT

SHEET NO. 1 OF 1

ACAD FILENAME



ILM

TERMINALT IMPROVEMENTS CONTRACT 4

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

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

PROJECT MANAGER & CIVIL ENGINEER
TALBERT & BRIGHT

CONSULTING ARCHITECT
LS3P

STRUCTURAL ENGINEER
STEWART

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

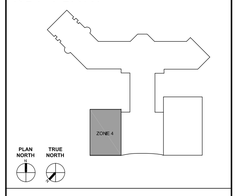
BAGGAGE HANDLING CONSULTANTS
BNP

AIRCRAFT SUPPORT SYSTEMS
DK CONSULTANTS

SPECIALTY LIGHTING CONSULTANT
HARTRANFT

SIGNAGE & WAYFINDING
TAKEFORM

KEY PLAN:



BHS CONTRACTOR:

pteris
Member of the CIMC Group
PTERIS GLOBAL (USA) INC.
2401 Whitehall Park Drive, Suite 1000
Charlotte NC 20273

REV.NO	DESCRIPTION	DATE	CHKD	APPD
5				
4				
3				
2	EXTEND IB01 UNLOADING TO NORTH	23.06.23	HANCHIN	CALVIN
1	REVISED AS PER BNP COMMENTS	04.05.22	BHuo	YAP

DRAWING TITLE :

BHS BASEMENT LAYOUT PLAN VIEW

JOB No. : S01B2200200 | SCALE: 3/16"=1'-0 | SIZE: D

	NAME	SIGN	DATE
DESIGN	GRACE		01.04.22
DRAWN	BHNEO		01.04.22
CHECKED	CALVIN	CALVIN	01.04.22
APPROVED	DOUGLAS	DOUGLAS	01.04.22

3RD ANGLE PROJECTION

DRAWING NO : ILM-B-003 | REV: 2

RELEASED FOR: ☐ INFORMATION ☐ TENDER ☑ APPROVAL ☐ CONSTRUCTION ☐ AS BUILT

SHEET NO. 1 OF 1

ACAD FILENAME

Wilmington International Airport
Outbound BHS

Transmittal # ILM001

Date:	May 23, 2025	**Submittal No:**	1577-01
Specification No:	G&S		
Page / Section:	---		

Contractor:
G&S Mechanical USA, Inc.
3409 West Harry
Wichita, Kansas, 67213

Description:	**Delivery:**
Submittal: Drawings, Mechanical	Via Email

Special Comments:

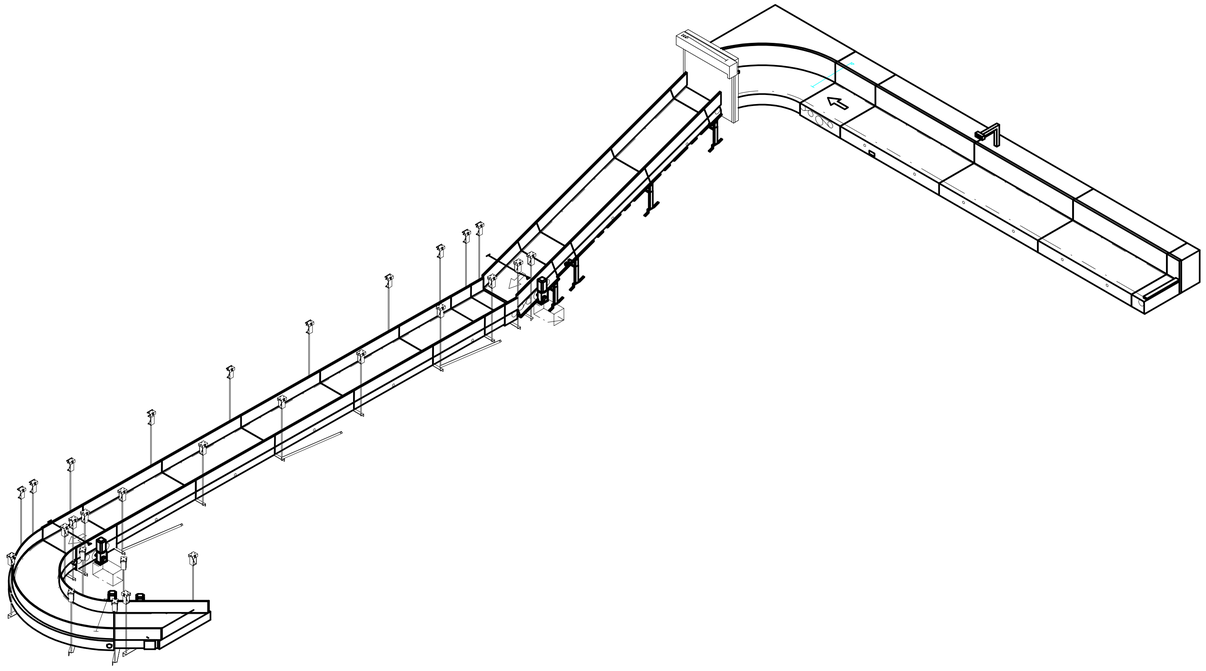
(1577-01) Original Submittal. Rev A

WILMINGTON INTERNATIONAL AIRPORT

TICKET COUNTER ADDITION

PREPARED FOR

MONTEITH CONSTRUCTION



PREPARED BY:

G&S AIRPORT CONVEYOR
25ILM1557

SUBMITTAL ISSUED RECORD		
ISSUED	ISSUED FOR	DATE
1.0	SUBMITTAL	2025-05-22

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions

1-888-328-8826
www.gsairportconveyor.com

USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
COVER

SHEET #	ISSUE #
COV	1.0

TYPICAL ABBREVIATIONS LEGEND	
BF	BETWEEN FRAMES
BHS	BAGGAGE HANDLING SYSTEM
BIT	BAGGAGE INSPECTION TABLE
BSGS	BETWEEN SIDE GUARDS
BW	BELT WIDTH
CBIS	CHECKED BAGGAGE INSPECTION SYSTEM
CBRA	CHECKED BAGGAGE RESOLUTION SYSTEM
CS	CONTROL STATION
CGFS	CENTER GUIDE FAULT SWITCH
EDS	EXPLOSIVES DETECTION SYSTEM
E-STOP	EMERGENCY STOP
ETD	EXPLOSIVE TRACE DETECTION
EXST	EXISTING
EXP	EXPANSION CONVEYOR
FPM	FEET PER MINUTE
FS	FAR SIDE
FSD	FIRE/SECURITY DOOR
GALV	GALVANIZED STEEL
GT	GENERAL TRANSPORT
HMI	HUMAN MACHINE INTERFACE
HP	HORSE POWER
HSD	HIGH SPEED DIVERTER
MCP	MOTOR CONTROL PANEL
MS	MILD STEEL
NS	NEAR SIDE
OAW	OVERALL WIDTH
PCS	POWDERCOATED STEEL
PB	PUSH BUTTON
PE	PHOTO EYE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PS	PAINTED STEEL
RPM	REVOLUTIONS PER MINUTE
SG/SGS	SIDE GUARD/SIDE GUARDS
SPD	SINGLE PADDLE DIVERTER
SS	STAINLESS STEEL
TBD	TO BE DETERMINED
TOB	TOP OF BELT
TOF	TOP OF FRAME
TOT	TOP OF TRIM
TYP	TYPICAL
U/S	UNDERSIDE
VFD	VARIABLE FREQUENCY DRIVE

DRAWING LIST	
SHEET NUMBER	SHEET NAME
COV	COVER
GEN	GENERAL NOTES
MAN	MANIFEST
B1.0	OVERALL PLAN VIEW
B1.1	TC3-01 TO TC3-02 PLAN & ELEVATION VIEW
B1.2	TC3-03 PLAN & ELEVATION VIEW
B1.3	TC3-04 PLAN & ELEVATION VIEW
B1.4	TC3-05 TO TC3-06 PLAN & ELEVATION VIEW
B1.5	WALL PENETRATIONS
S1.0	STRUCTURAL HANGING PLAN & ELEVATION VIEW
S1.1	STRUCTURAL HANGING ELEVATION VIEW & HANGER LIST
D1.0	TYPICAL CI DETAILS
D1.1	CI OVER HEIGHT PE DETAIL
D1.2	TYPICAL GT DETAILS
D1.3	TYPICAL HANGING DETAILS

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
GENERAL NOTES

SHEET #	ISSUE #
GEN	1.0

CONVEYOR

TAG	TYPE	MFR	MODEL	DETAILS	CL LENGTH
TC-03-01	CHECK IN	G&S			34.3 FT
TC-03-02	CURVE	INTERROLL / PORTEC	48C39 90°		8.8 FT
TC-03-02/SD	FIRE/SECURITY DOOR	RAYNOR			
TC-03-03	GENERAL TRANSPORT	G&S		20° DECLINE	21.4 FT
TC-03-04	GENERAL TRANSPORT	G&S		0.5° INCLINE	43.9 FT
TC-03-05	CURVE	INTERROLL / PORTEC	46S39 135°		12.9 FT
TC-03-06	MERGE	INTERROLL / PORTEC	39AX60		5 FT

BELT

SPEED	LENGTH	WIDTH
90 FPM	73.3 FT	36" BW
90 FPM		36" BW
90 FPM		36" BW
90 FPM	48.6 FT	36" BW
90 FPM	93.6 FT	36" BW
150 FPM		36" BW
280 FPM		36" BW

MOTOR

MFR	MODEL	HP	BRAKE	VFD
SEW	KT57 DRN90L4	2 HP		YES
SEW	KT47 DRN80M4	1 HP		YES
RAYNOR	120V TUBEMOTOR	0.5 HP		
SEW	KT57 DRN90S4 BE2HR	1.5 HP	YES	YES
SEW	KT57 DRN100LM4	3 HP		YES
SEW	KT47 DRN100LM4	3 HP		YES
SEW	KT47 DRN100LM4	3 HP		YES

GEARBOX

MFR	MODEL	RPM
SEW	KT57	46 RPM
SEW	KT47	89 RPM
RAYNOR	120V	
SEW	KT57	46 RPM
SEW	KT57	40 RPM
SEW	KT47	150 RPM
SEW	KT47	194 RPM

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

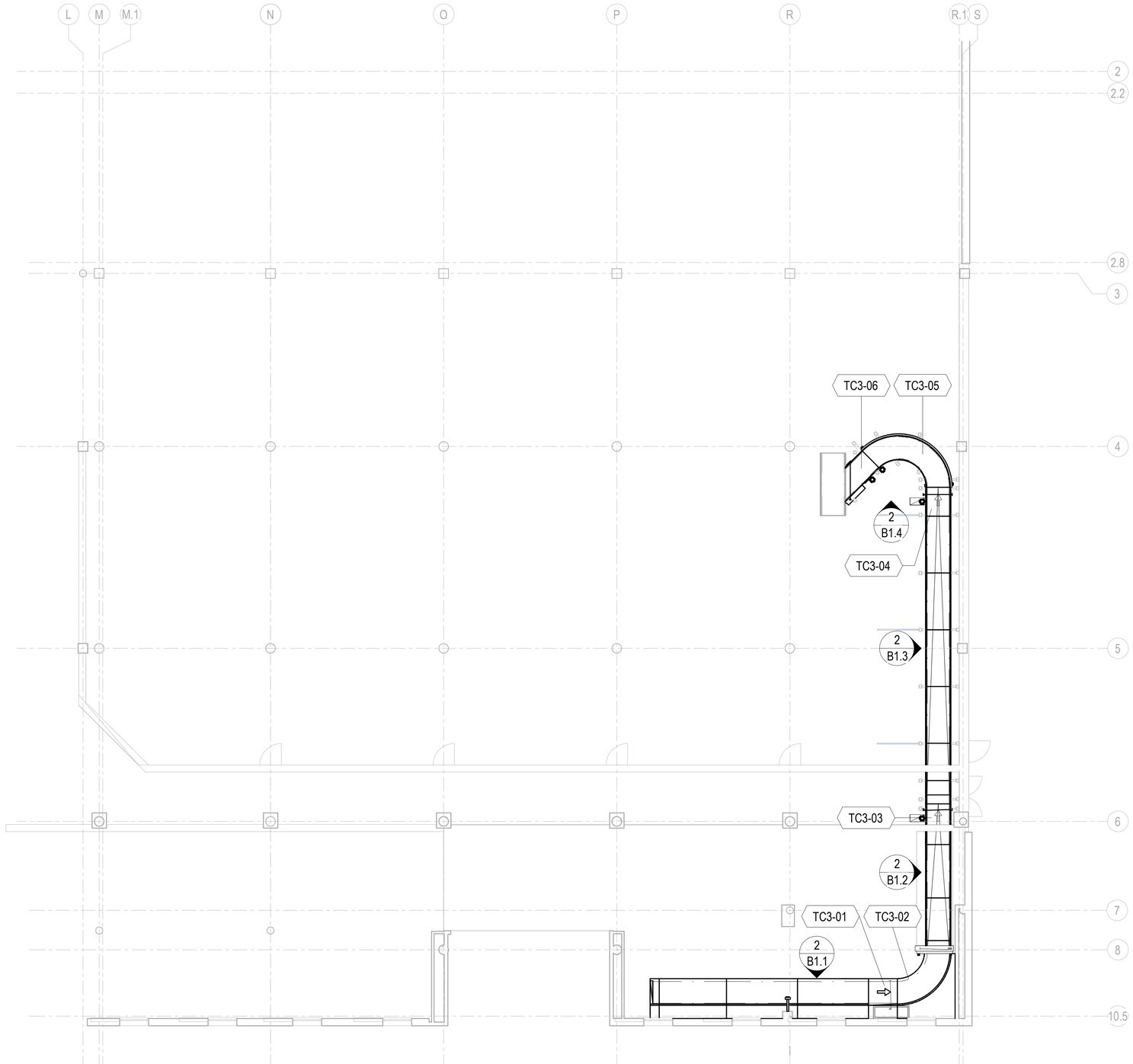
CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
MANIFEST

SHEET #	ISSUE #
MAN	1.0



1 B1.0 OVERALL PLAN VIEW

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

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

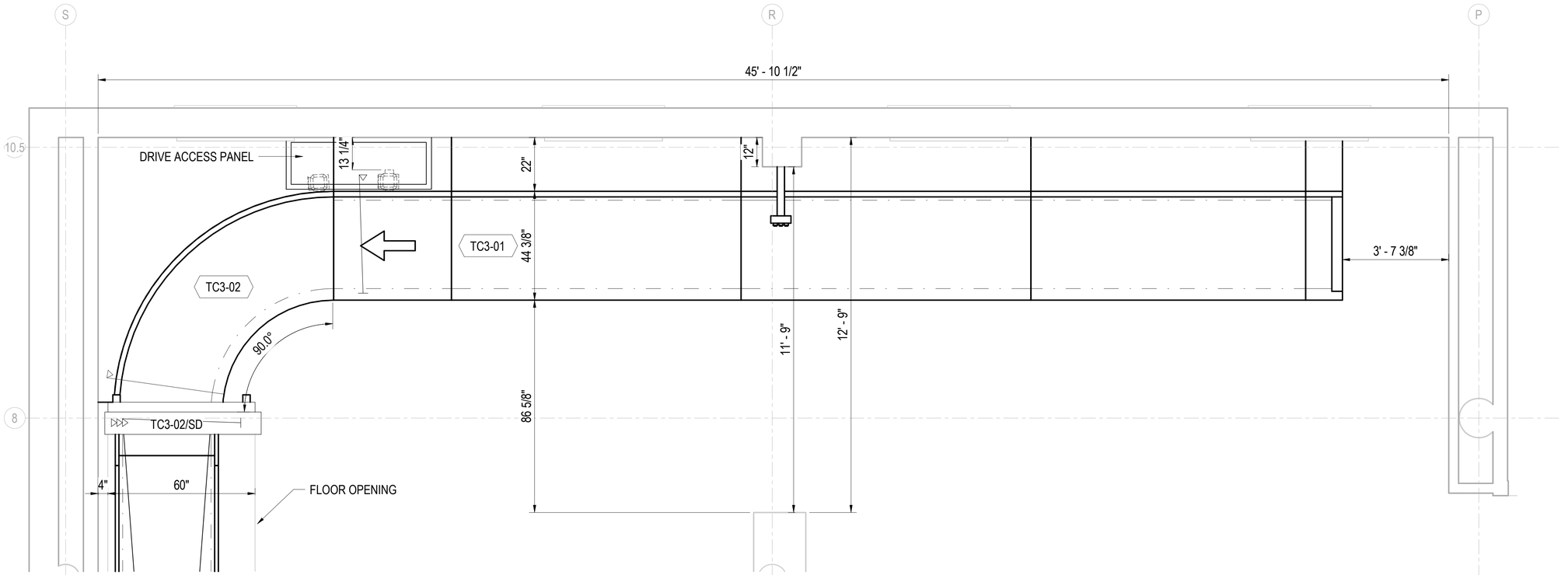
CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

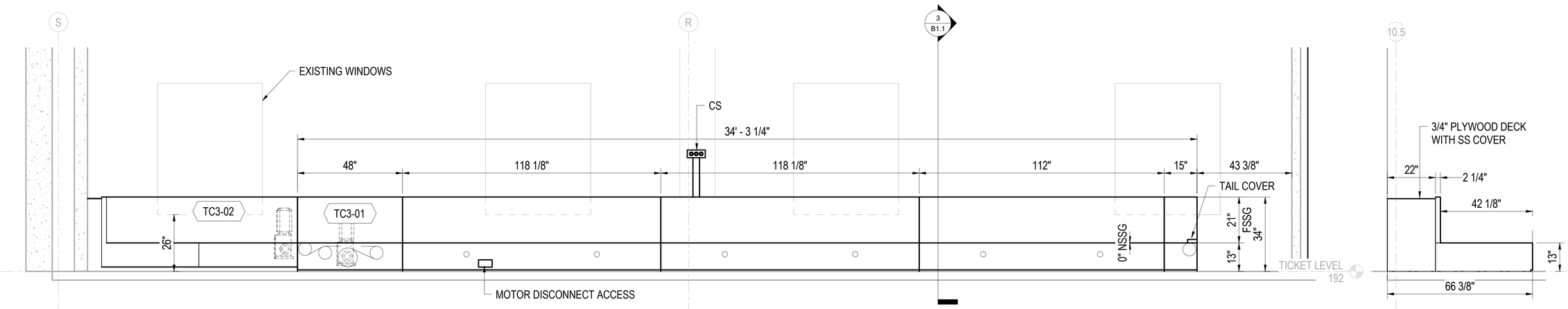
SHEET TITLE
OVERALL PLAN VIEW

SHEET #	ISSUE #
B1.0	1.0



1 B1.1 TC3-01 TO TC3-02 PLAN VIEW

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



2 B1.1 TC3-01 TO TC3-02 ELEVATION VIEW

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

3 B1.1 TC3-01 SECTION VIEW

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

DO NOT SCALE DRAWING

NOTES

UNLESS OTHERWISE INDICATED:
FOR CONVEYOR:
-BELT WIDTH:36"
-BETWEEN FRAMES:39"
-OVERALL WIDTH:42"
-SIDEGUARD HEIGHT:12"

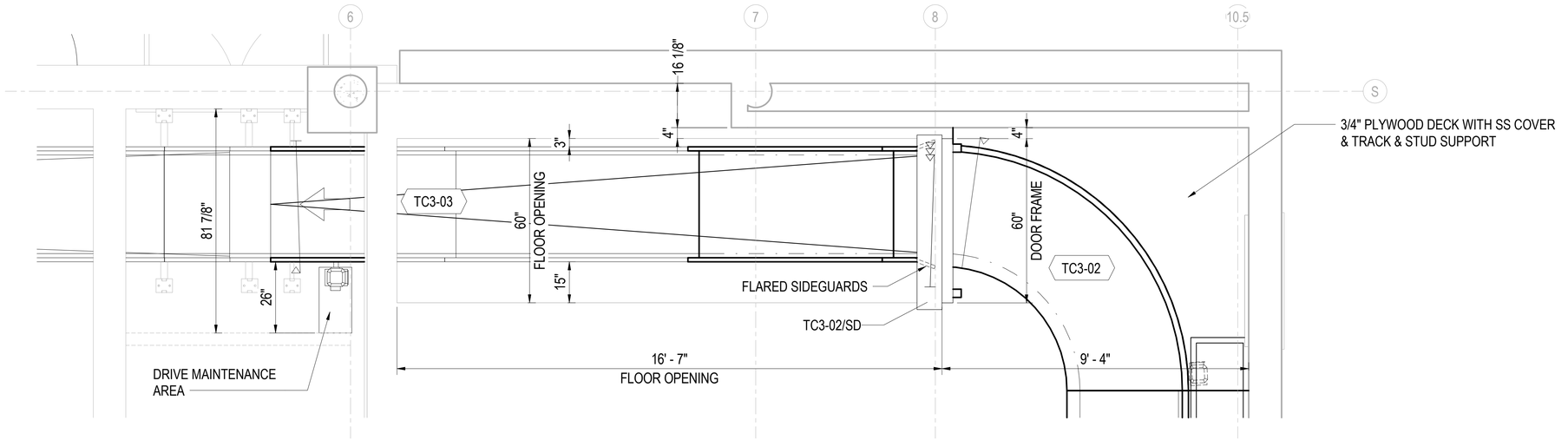
UNDERSIDE GUARDING

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

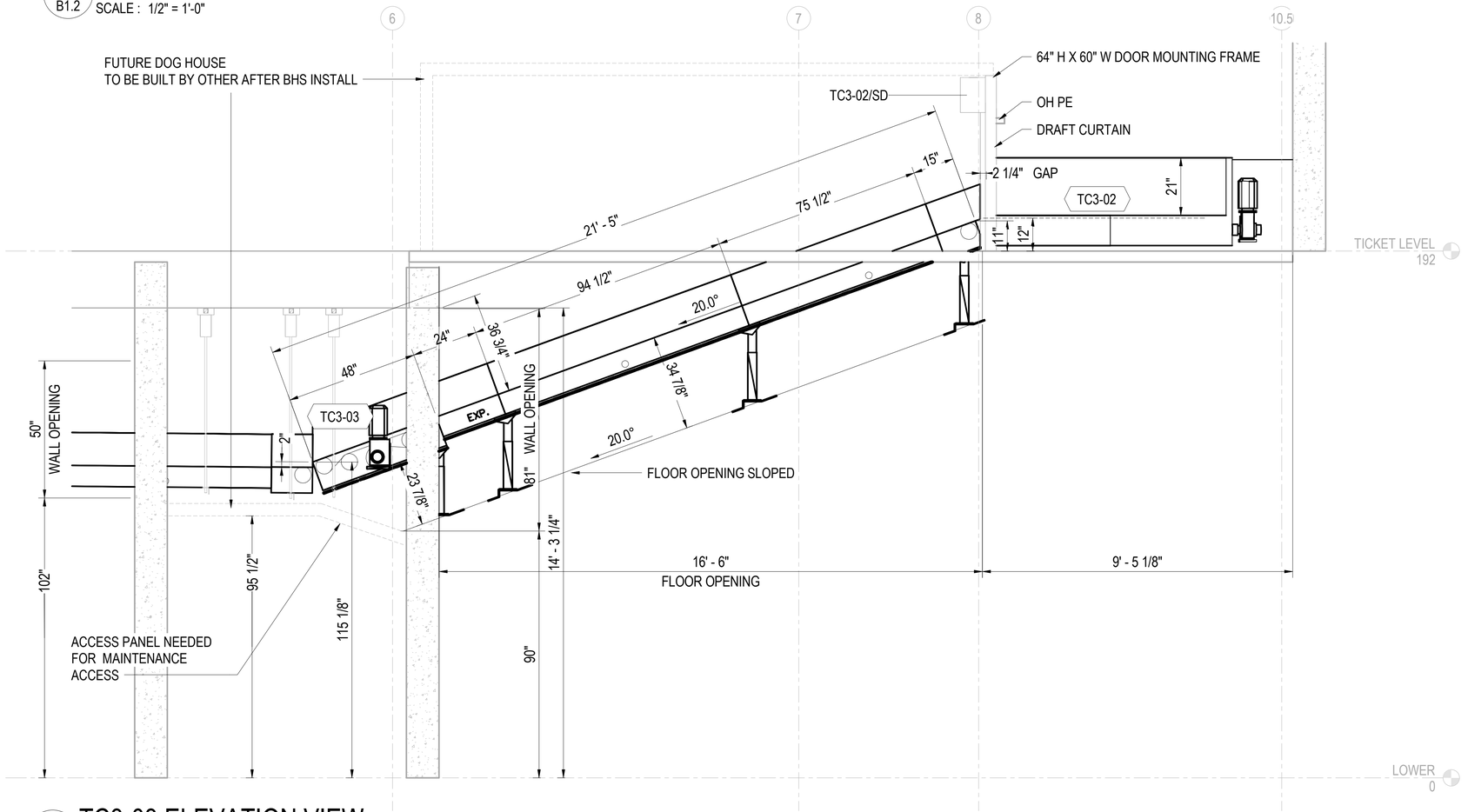
G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR: SUBMITTAL
ISSUED ON: 2025-05-22
DRAWN BY: MH
CHECKED BY: G&S
CLIENT: MONTEITH CONSTRUCTION
AIRPORT: WILMINGTON INTERNATIONAL AIRPORT
G&S PROJECT CODE: 25ILM1557
AIRPORT CODE: ILM
SHEET TITLE: TC3-01 TO TC3-02 PLAN & ELEVATION VIEW
SHEET #: B1.1
ISSUE #: 1.0



1 B1.2 TC3-03 PLAN VIEW

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



2 B1.2 TC3-03 ELEVATION VIEW

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

DO NOT SCALE DRAWING

NOTES

UNLESS OTHERWISE INDICATED:
FOR CONVEYOR:
-BELT WIDTH:36"
-BETWEEN FRAMES:39"
-OVERALL WIDTH:42"
-SIDEGUARD HEIGHT:12"

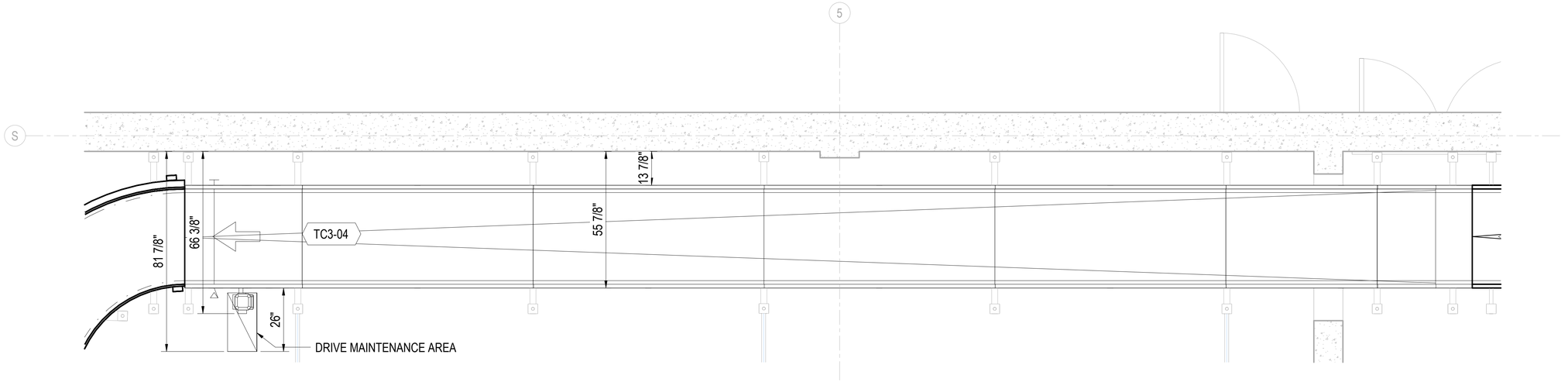
UNDERSIDE GUARDING

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

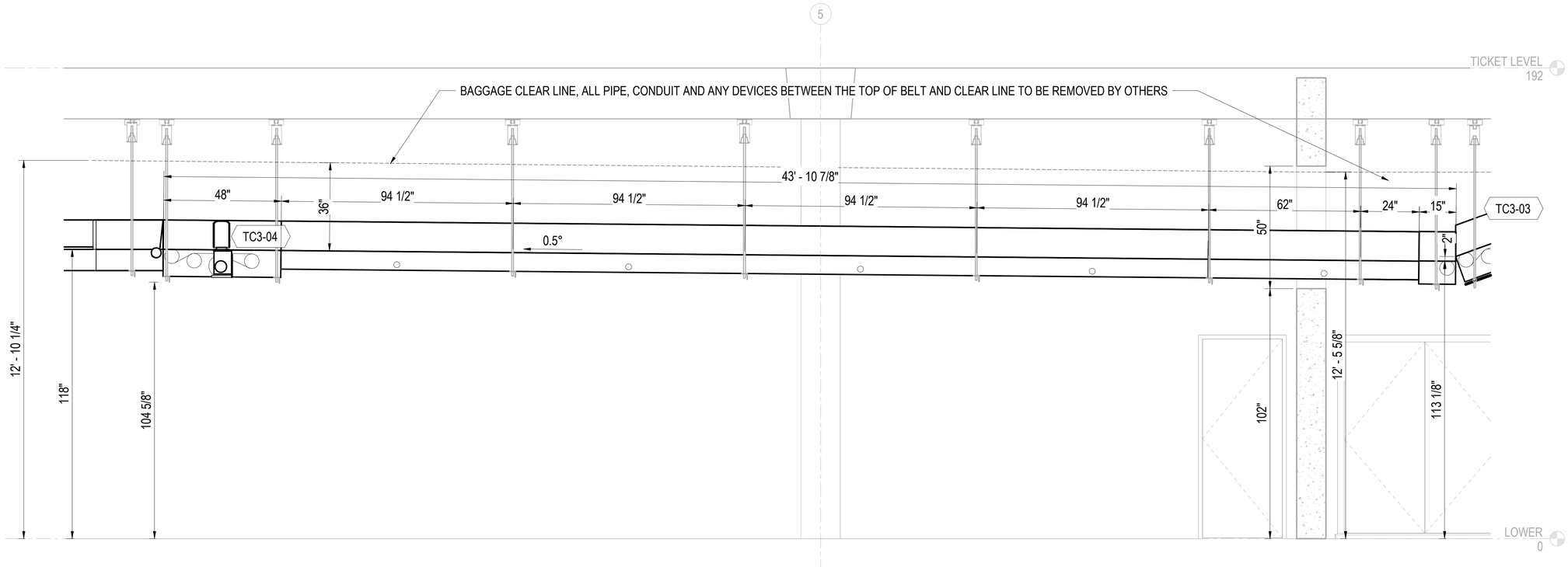
G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR: SUBMITTAL
ISSUED ON: 2025-05-22
DRAWN BY: MH
CHECKED BY: G&S
CLIENT: MONTEITH CONSTRUCTION
AIRPORT: WILMINGTON INTERNATIONAL AIRPORT
G&S PROJECT CODE: 25ILM1557
AIRPORT CODE: ILM
SHEET TITLE: TC3-03 PLAN & ELEVATION VIEW
SHEET #: B1.2
ISSUE #: 1.0



1 / B1.3 **TC3-04 PLAN VIEW**

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



2 / B1.3 **TC3-04 ELEVATION VIEW**

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

DO NOT SCALE DRAWING

NOTES

UNLESS OTHERWISE INDICATED:
FOR CONVEYOR:
-BELT WIDTH:36"
-BETWEEN FRAMES:39"
-OVERALL WIDTH:42"
-SIDEGUARD HEIGHT:12"

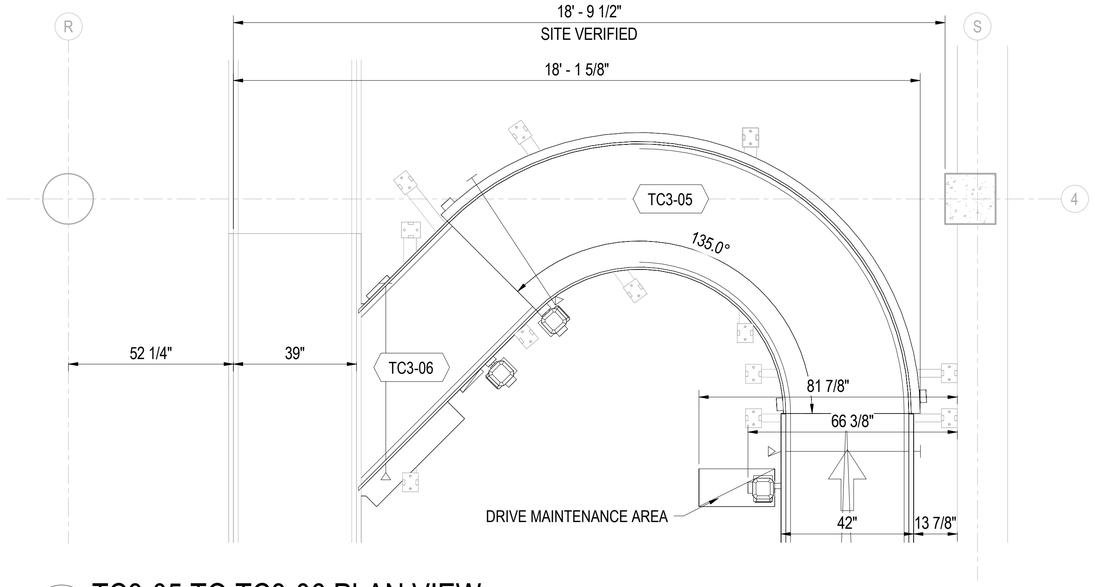
UNDERSIDE GUARDING

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

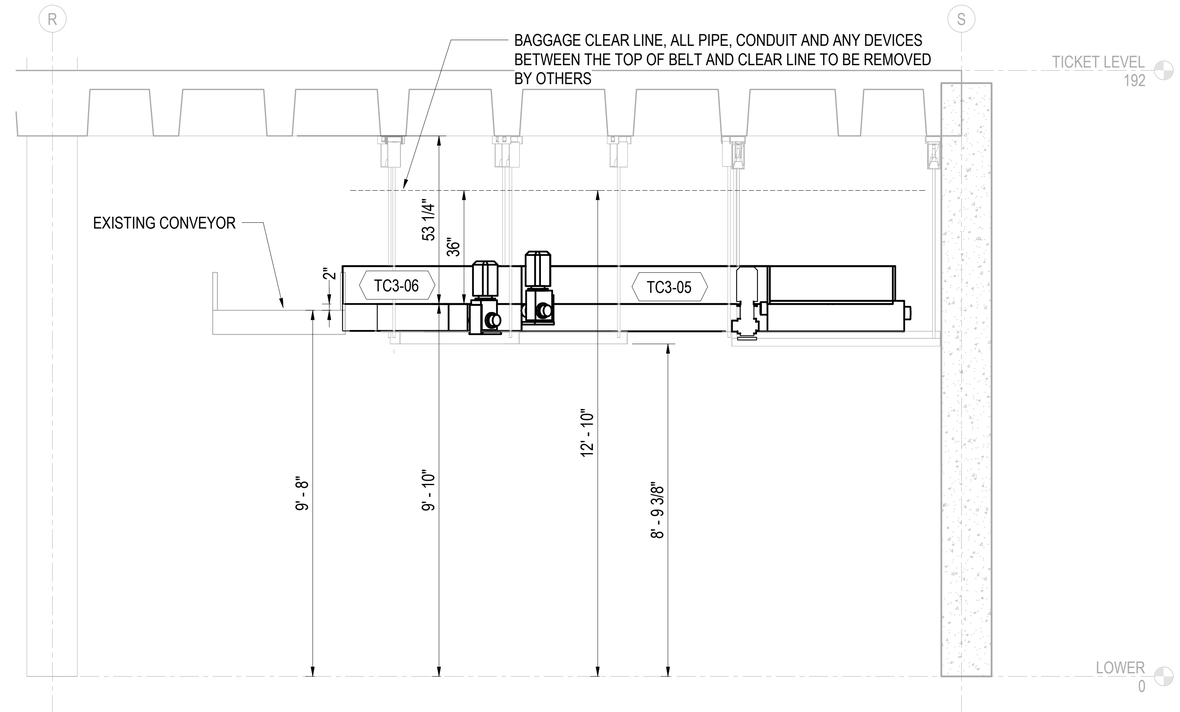
G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR: SUBMITTAL
ISSUED ON: 2025-05-22
DRAWN BY: MH
CHECKED BY: G&S
CLIENT: MONTEITH CONSTRUCTION
AIRPORT: WILMINGTON INTERNATIONAL AIRPORT
G&S PROJECT CODE: 25ILM1557
AIRPORT CODE: ILM
SHEET TITLE: TC3-04 PLAN & ELEVATION VIEW
SHEET #: B1.3
ISSUE #: 1.0



1 B1.4 TC3-05 TO TC3-06 PLAN VIEW

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



2 B1.4 TC3-05 TO TC3-06 ELEVATION VIEW

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

DO NOT SCALE DRAWING

NOTES

UNLESS OTHERWISE INDICATED:
FOR CONVEYOR:
-BELT WIDTH:36"
-BETWEEN FRAMES:39"
-OVERALL WIDTH:42"
-SIDEGUARD HEIGHT:12"

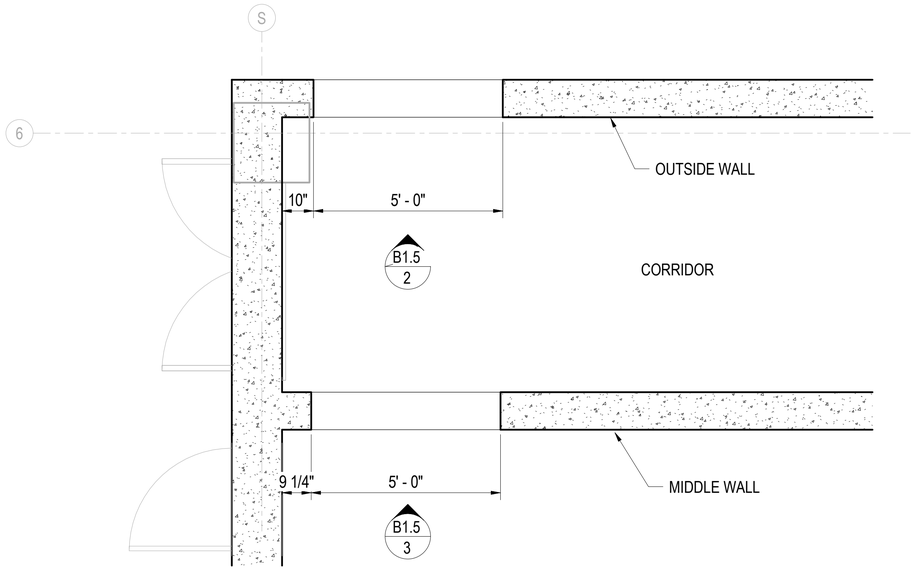
UNDERSIDE GUARDING

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

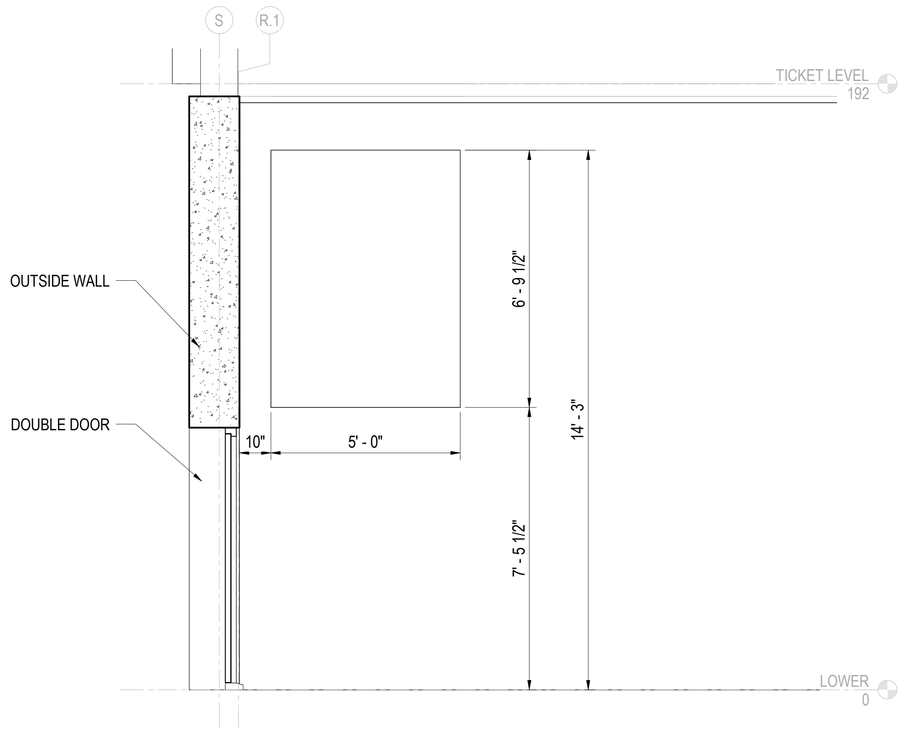
G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR: SUBMITTAL
ISSUED ON: 2025-05-22
DRAWN BY: MH
CHECKED BY: G&S
CLIENT: MONTEITH CONSTRUCTION
AIRPORT: WILMINGTON INTERNATIONAL AIRPORT
G&S PROJECT CODE: 25ILM1557
AIRPORT CODE: ILM
SHEET TITLE: TC3-05 TO TC3-06 PLAN & ELEVATION VIEW
SHEET #: B1.4
ISSUE #: 1.0



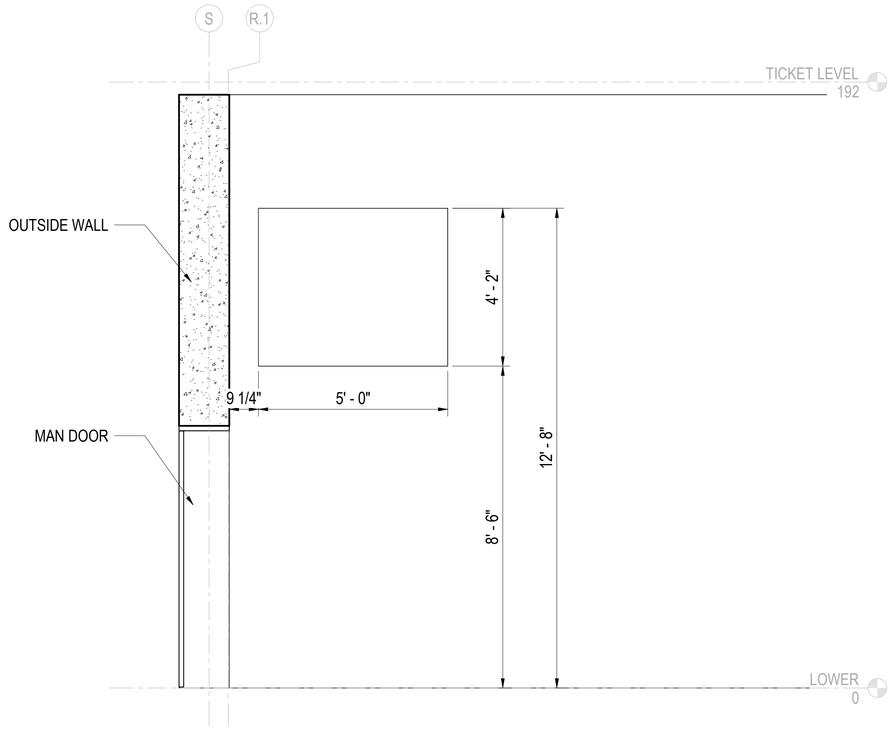
1 B1.5 WALL PENETRATIONS IN LOWER LEVEL CORRIDOR PLAN VIEW

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



2 B1.5 PENETRATION OUTSIDE WALL ELEVATION VIEW

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



3 B1.5 PENETRATION MIDDLE WALL ELEVATION VIEW

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

DO NOT SCALE DRAWING

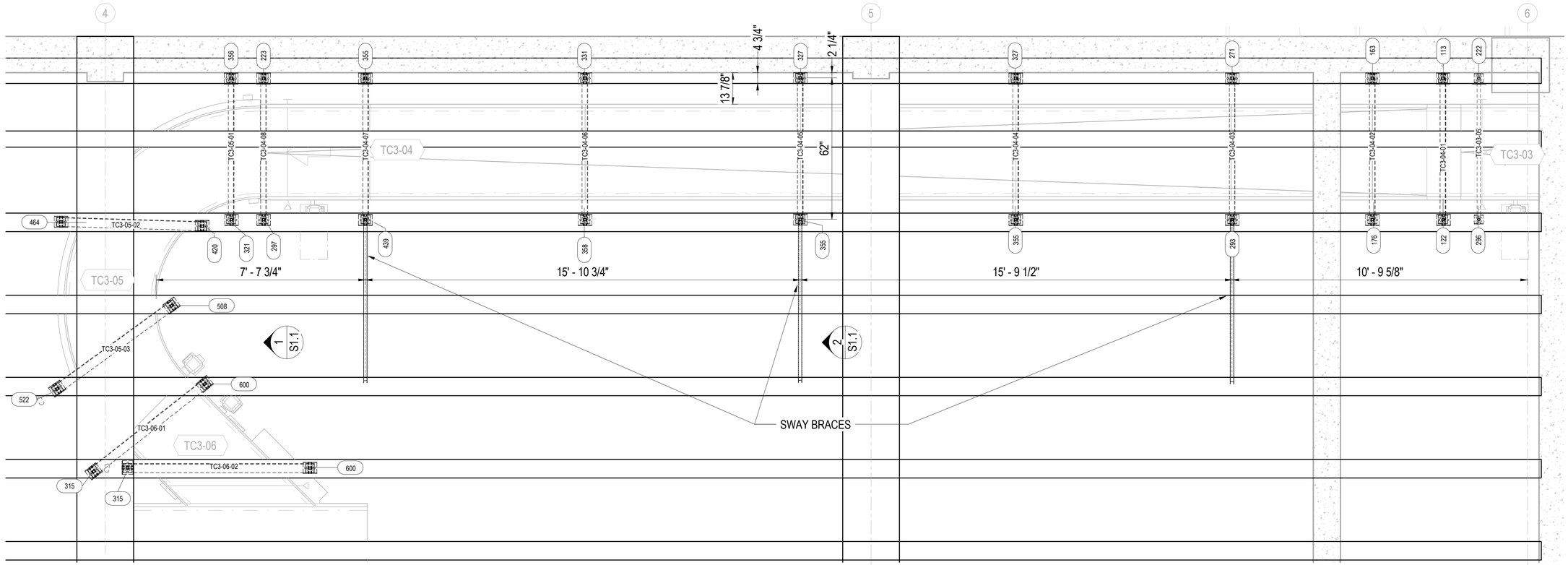
NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

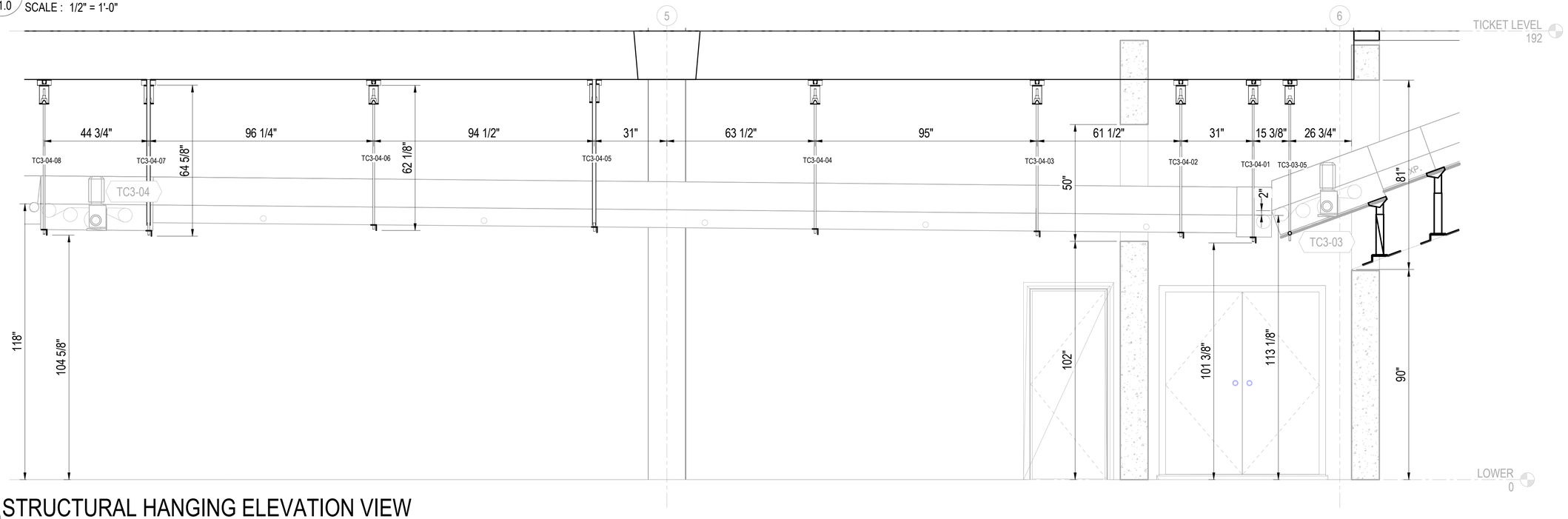
G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR: SUBMITTAL
ISSUED ON: 2025-05-22
DRAWN BY: MH
CHECKED BY: G&S
CLIENT: MONTEITH CONSTRUCTION
AIRPORT: WILMINGTON INTERNATIONAL AIRPORT
G&S PROJECT CODE: 25ILM1557
AIRPORT CODE: ILM
SHEET TITLE: WALL PENETRATIONS
SHEET #: B1.5
ISSUE #: 1.0



1 S1.0 **STRUCTURAL HANGING PLAN VIEW**

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



2 S1.0 **STRUCTURAL HANGING ELEVATION VIEW**

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

DO NOT SCALE DRAWING

NOTES

POINT LOADS IN LBS

-ONLY LOADS FOR ATTACHMENTS TO BUILDING STRUCTURE OF HANGED CONVEYORS SHOWN ON PLAN VIEW. FOR HANGER SCHEDULE REFER TO S1.1
-SWAY BRACE AT EVERY 20' AS PER SITE CONDITIONS.

UNDERSIDE GUARDING

ENGINEERED CONVEYOR SUPPORT DESIGN INCLUDES LOAD-BEARING ATTACHMENT TO THE SURROUNDING BUILDING AND STRUCTURES, WHICH IS DESIGNED BY OTHERS. REASONABLE CARE HAS BEEN TAKEN TO PROVIDE ADEQUATE DESIGNS THAT MEET THE SPECIFIED LOADS, BUT ENGINEER AND G&S AIRPORT CONVEYOR CANNOT BE HELD LIABLE FOR ANY ERRORS AND OMISSIONS RESULTING FROM INFORMATION PROVIDED BY OTHERS. FURTHER ENGINEER AND G&S AIRPORT CONVEYOR CANNOT BE HELD LIABLE FOR THE CAPACITY OF THE BUILDING AND STRUCTURES TO CARRY THE STATED ATTACHMENT LOADS.

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

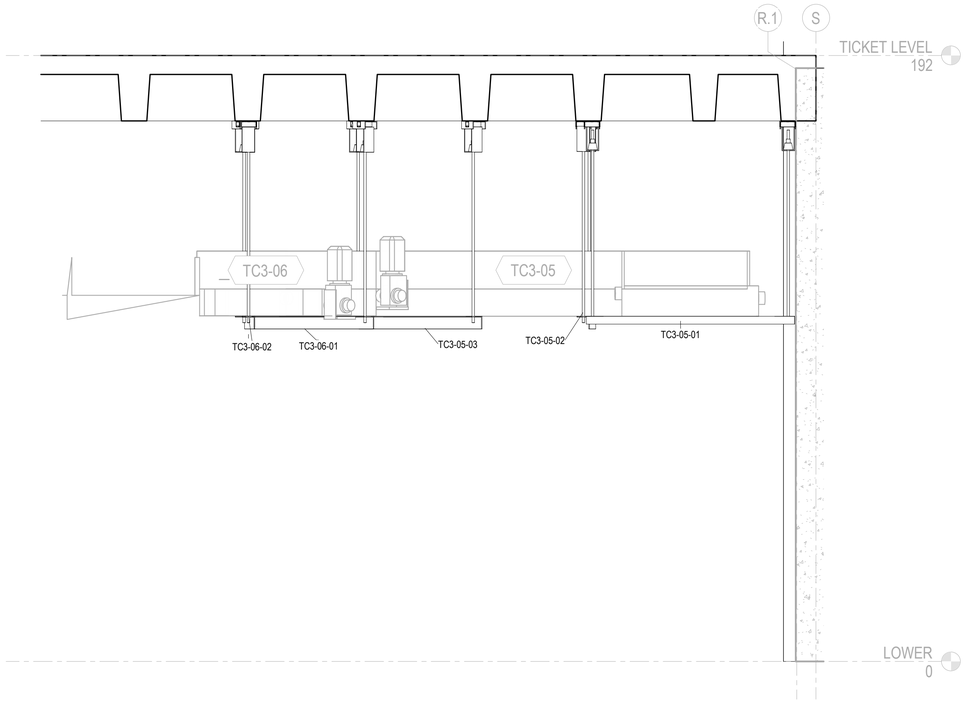
CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
STRUCTURAL HANGING PLAN & ELEVATION VIEW

SHEET #	ISSUE #
S1.0	1.0



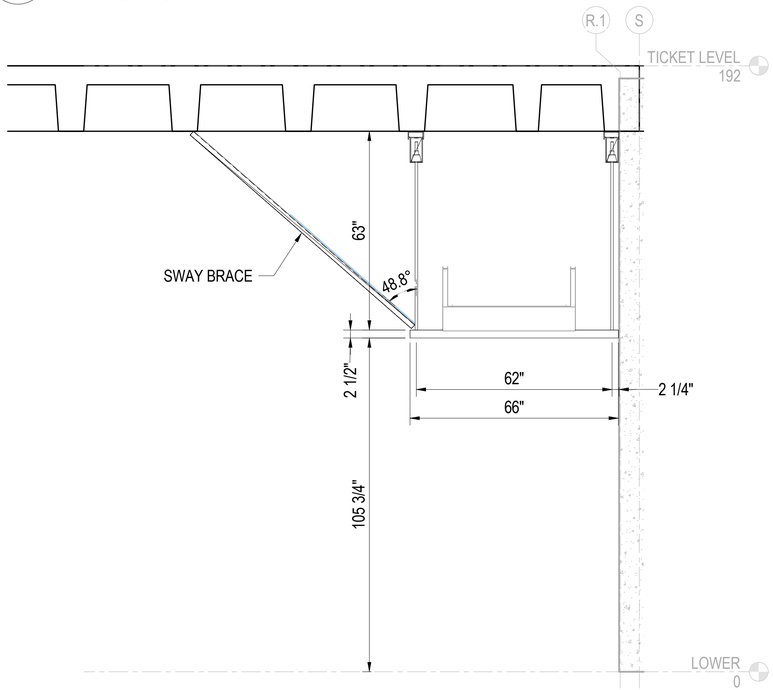
1 S1.1 CURVE & MERGE STRUCTURAL HANGING ELEVATION VIEW

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

CONVEYOR BOTTOM HANGER LIST, LOADS & CONNECTION TYPES										
HANGER NUMBER	HANGER TYPE	HANGER LENGTH	SUPPORT REACTION LEFT (lbs)	SUPPORT REACTION RIGH (lbs)T	VIBRATION ISOLATOR LEFT	VIBRATION ISOLATOR RIGHT	CONNECT TYPE RH BOTTOM	CONNECT TYPE LH TOP	CONNECT TYPE LH BOTTOM	CONNECT TYPE RH TOP
TC3-03-05	1.5 ØSCH40	66"	296	222	HRO-C-380	HRO-C-380	B-P1.5	T-VCM5-GS-VMC-HRO	B-P1.5	T-VCM5-GS-VMC-HRO
TC3-04-01	L2.5X2.5X0.25	66"	122	113	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-02	L2.5X2.5X0.25	66"	176	163	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-03	L2.5X2.5X0.25	66"	293	271	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-04	L2.5X2.5X0.25	66"	355	327	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-05	L2.5X2.5X0.25	66"	355	327	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-06	L2.5X2.5X0.25	66"	358	331	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-07	L2.5X2.5X0.25	66"	439	355	HRO-C-520	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-04-08	L2.5X2.5X0.25	66"	297	223	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-05-01	L2.5X2.5X0.25	66"	321	356	HRO-C-380	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-05-02	L4X4X0.25	66"	420	464	HRO-C-520	HRO-C-520	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-05-03	L4X4X0.25	66"	508	522	HRO-C-520	HRO-C-520	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-06-01	L4X4X0.25	66"	600	315	HRO-C-520	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO
TC3-06-02	L4X4X0.25	84"	600	315	HRO-C-520	HRO-C-380	B-A	T-VCM5-GS-VMC-HRO	B-A	T-VCM5-GS-VMC-HRO

VMC TYPE HRO-C ELASTOMERIC HANGERS FOR 1/2" NOMINAL DEFLECTION			
HANGER	RATED LOAD (LBS)	DEFLECTION (IN)	ELEMENT LOAD & COLOR
HRO-C-380	380	0.50	RE-C-380 BLACK
HRO-C-520	520	0.50	RE-C-520 RED
HRO-C-840	840	0.50	RE-C-840 GREEN
HRO-C-1070	1070	0.50	RE-C-1070 GRAY
HRO-C-2000	2000	0.50	RE-C-2000 BLUE

VMC TYPE HRO-C ELASTOMERIC HANGERS



2 S1.1 SWAY BRACE SECTION VIEW

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

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY
MH

CHECKED BY
G&S

CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

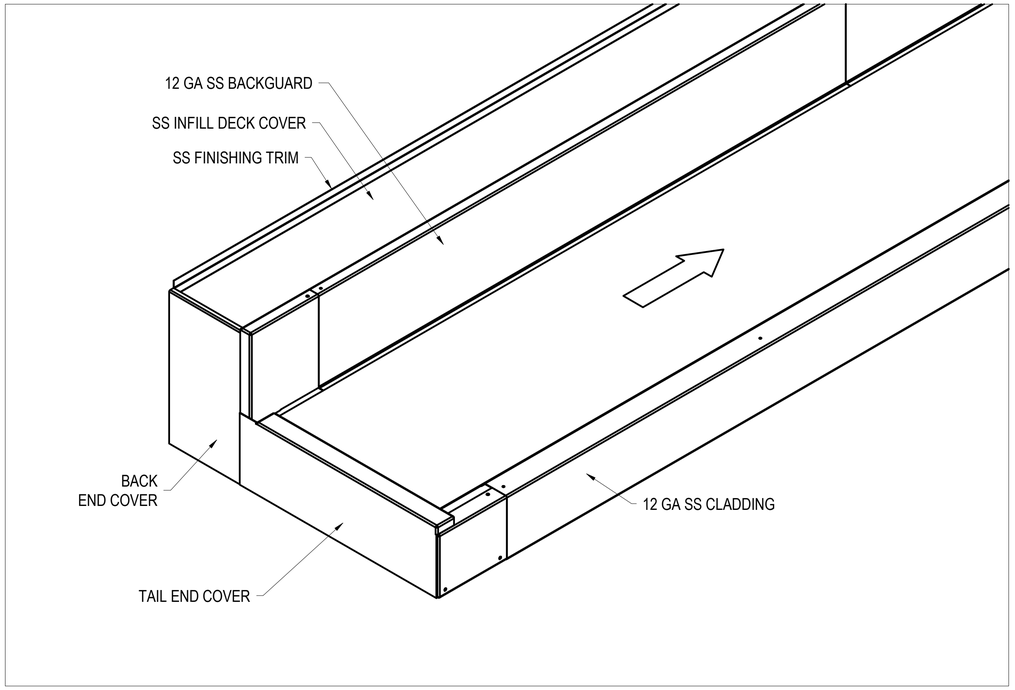
G&S PROJECT CODE
25ILM1557

AIRPORT CODE
ILM

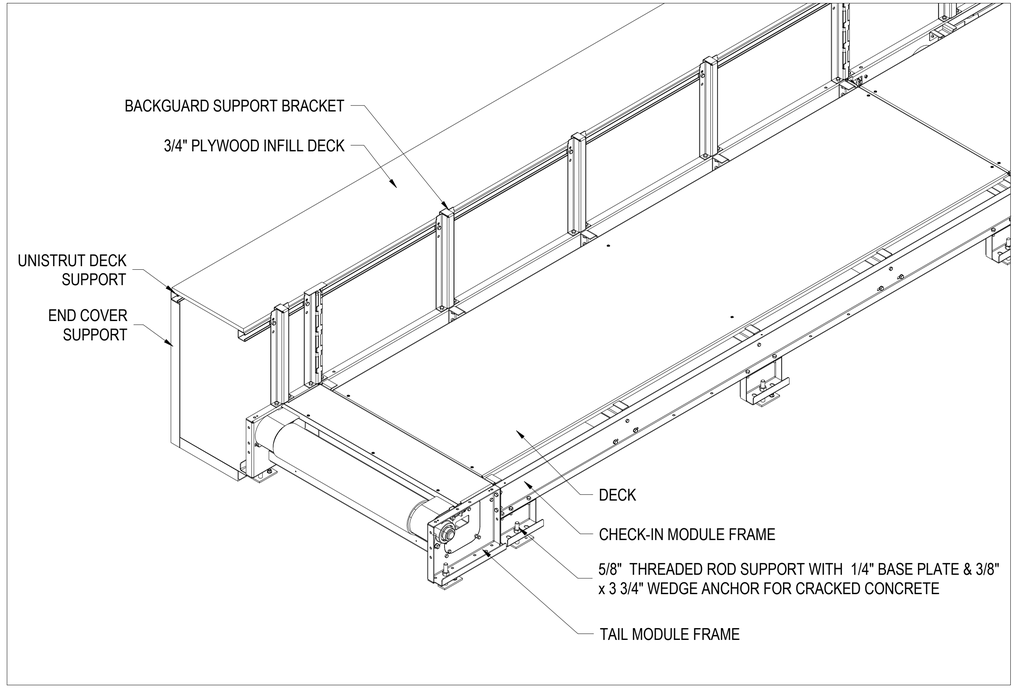
SHEET TITLE
STRUCTURAL HANGING ELEVATION VIEW & HANGER LIST

SHEET #
S1.1

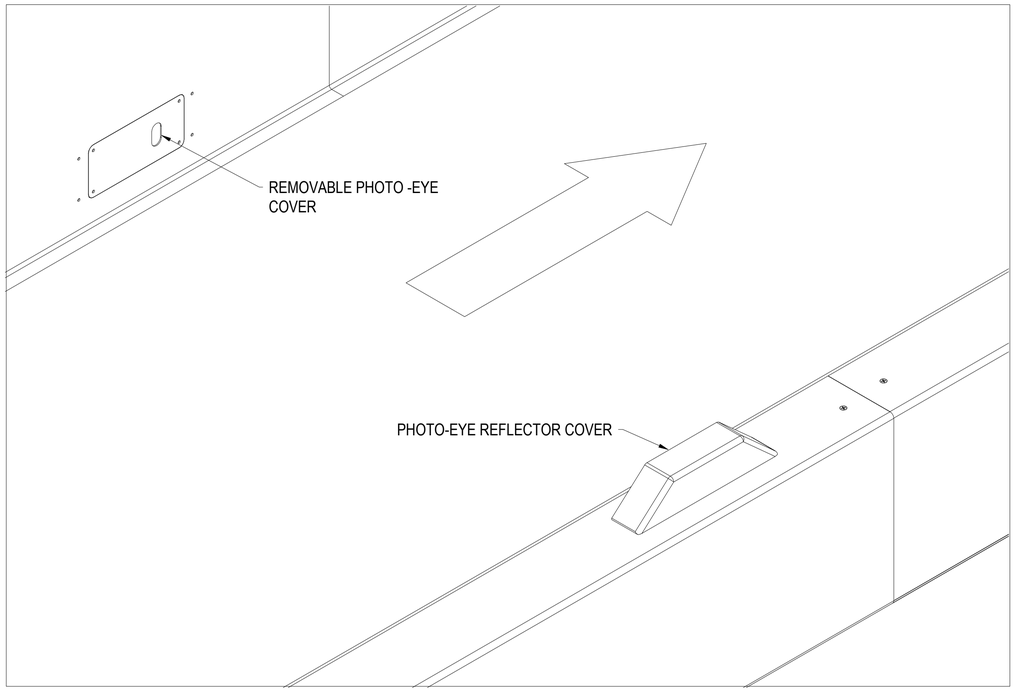
ISSUE #
1.0



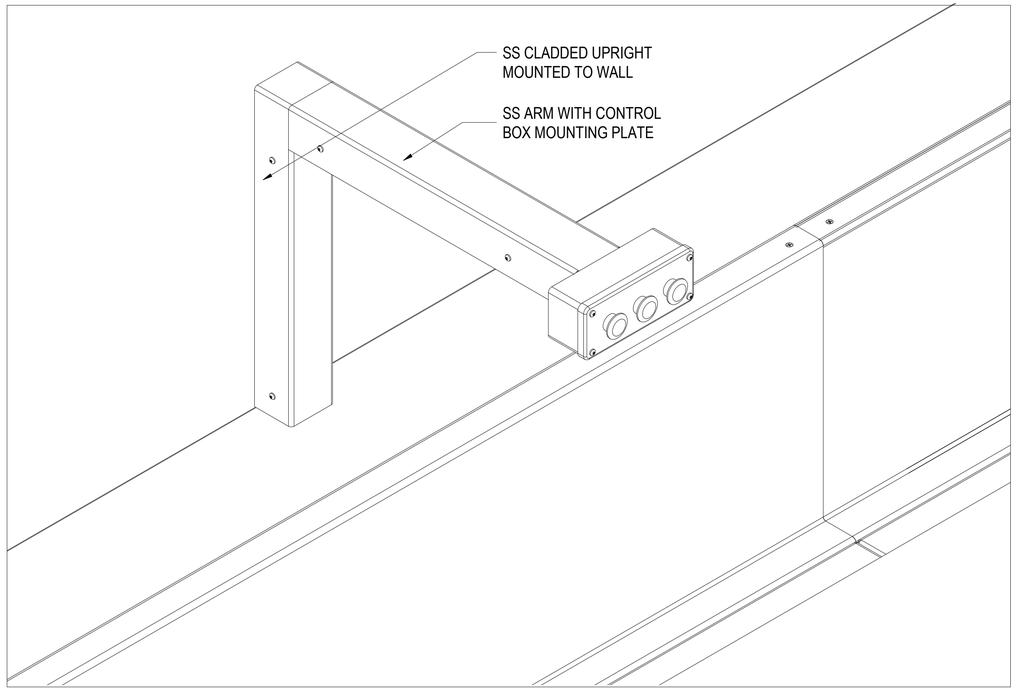
CHECK-IN CLADDING AT TAIL END



CHECK-IN FRAME AT TAIL END



CHECK-IN PHOTO-EYE & REFLECTOR



CHECK-IN CONTROL STANCHION

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

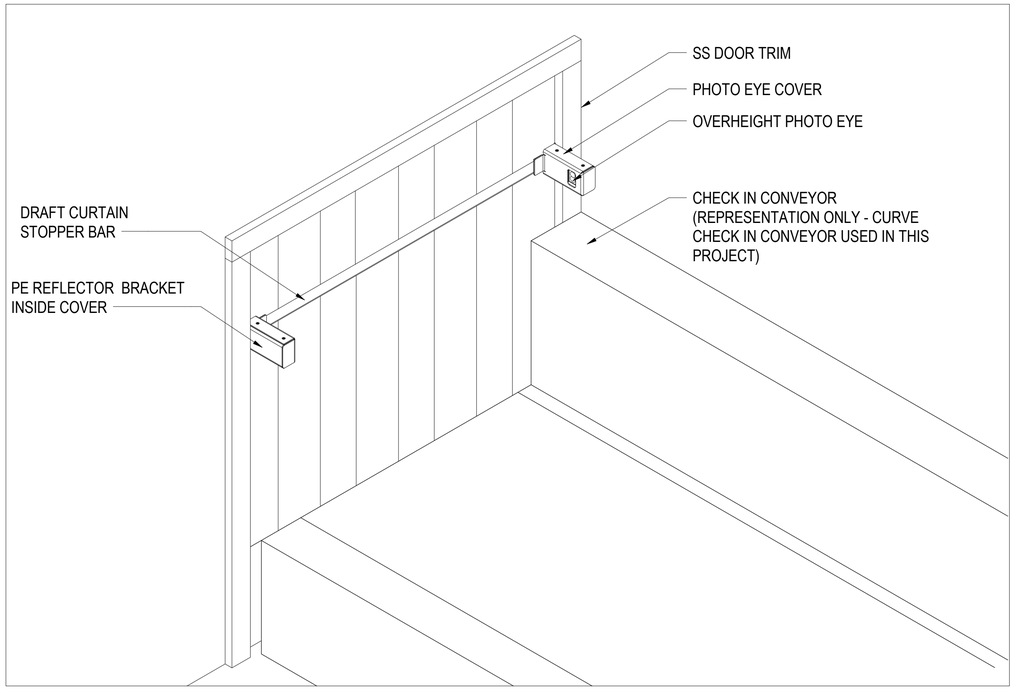
CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
TYPICAL CI DETAILS

SHEET #	ISSUE #
D1.0	1.0



CHECK-IN OVER HEIGHT PE

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

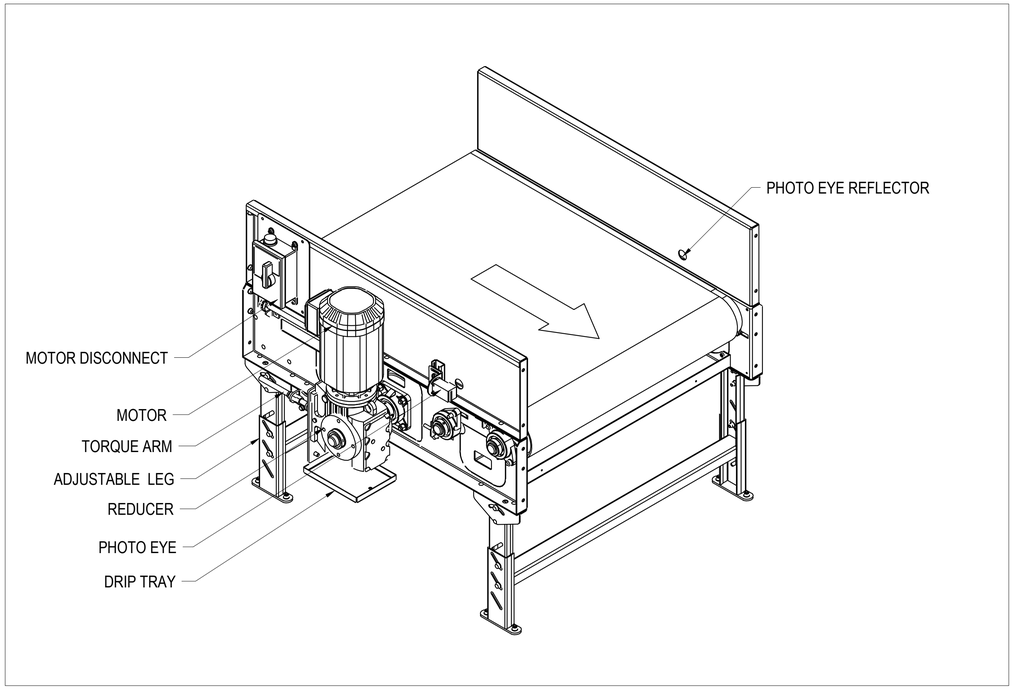
CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

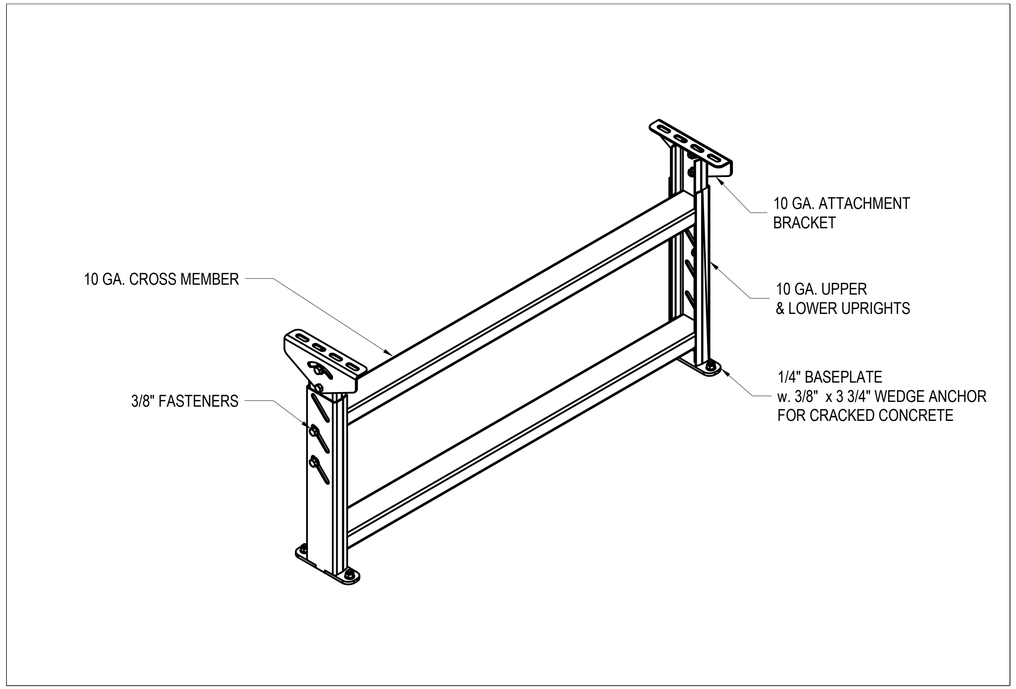
G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
CI OVER HEIGHT PE DETAIL

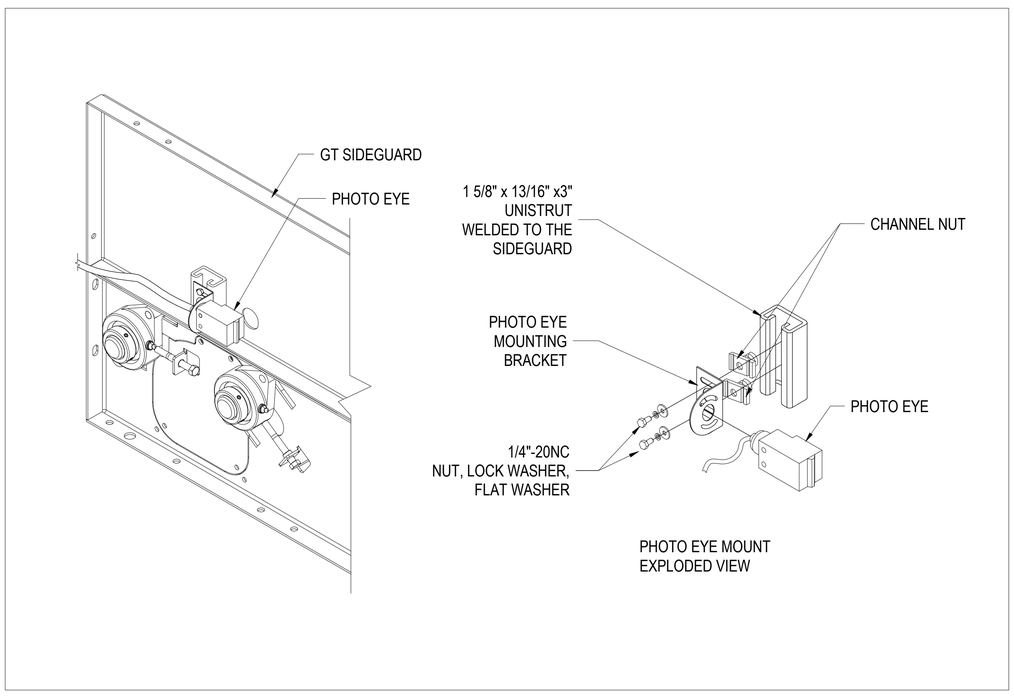
SHEET #	ISSUE #
D1.1	1.0



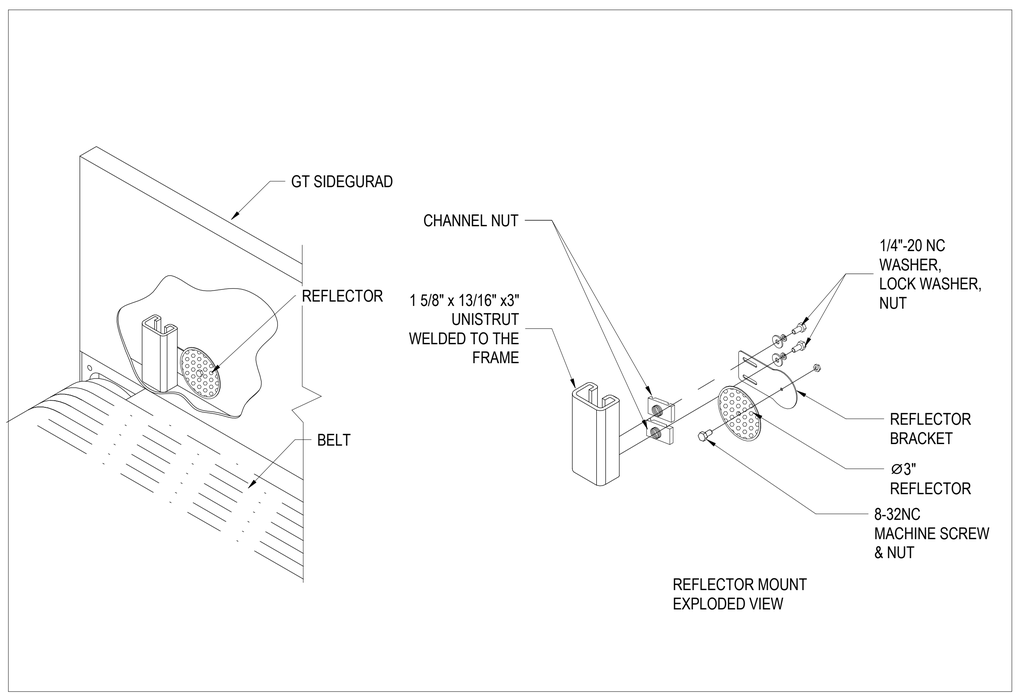
GT DRIVE



GT CONVEYOR LEG SUPPORT



SIDEGUARD MOUNTED PHOTOEYE



SIDEGUARD MOUNTED REFLECTOR

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

CLIENT
MONTEITH CONSTRUCTION

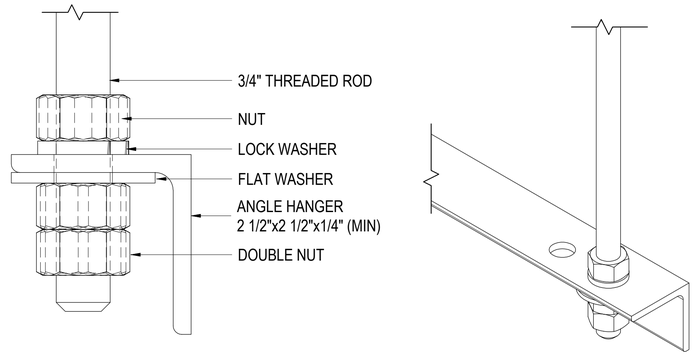
AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
TYPICAL GT DETAILS

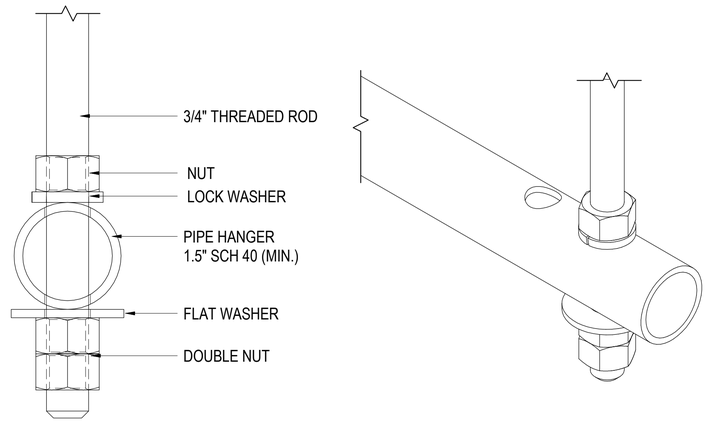
SHEET #	ISSUE #
D1.2	1.0

CONNECTION TYPE : B-A



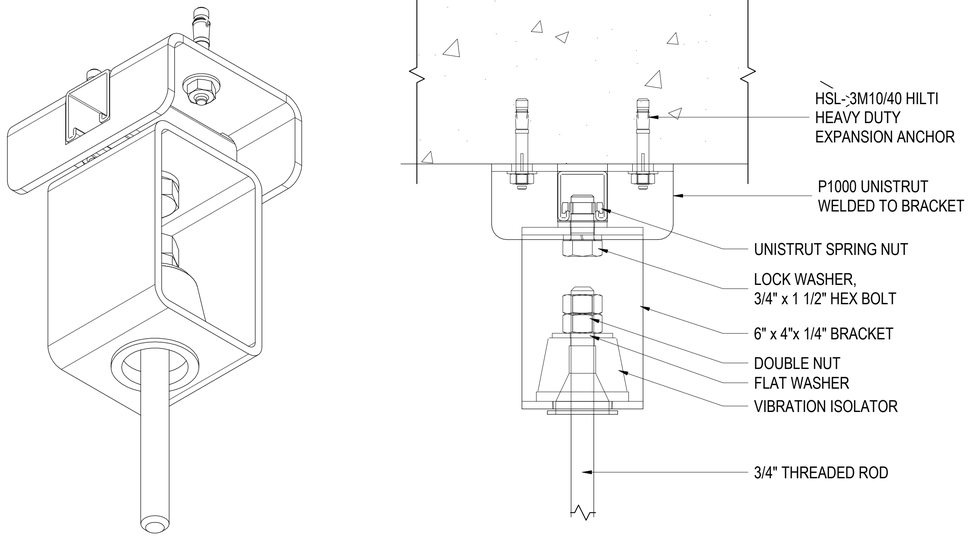
ANGLE HANGER TYPE B-A

CONNECTION TYPE : B-Px

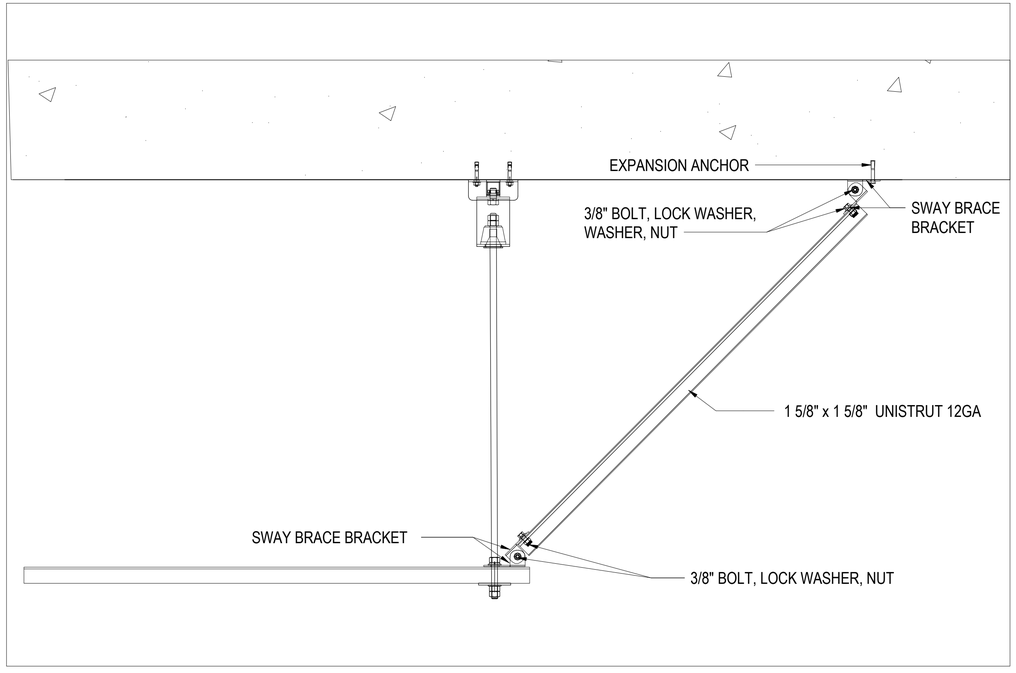


PIPE HANGER TYPE B-P

CONNECTION TYPE : T-VCM5-GS-VMC-HRO



ROD TO CEILING SLAB CONNECTION w/VIBRATION ISOLATOR



SWAY BRACE

DO NOT SCALE DRAWING

NOTES

APPROVED

STATEMENT OF PROPRIETARY RIGHTS:
THIS DRAWING IS AND REMAINS THE PROPERTY OF G&S AIRPORT CONVEYOR. ALL DESIGNS, DIMENSIONS AND NOTATIONS ON THIS DRAWING ARE PROPRIETARY TO G&S AIRPORT CONVEYOR.
ANY REPRODUCTION, COPY OR OTHER USE OF THIS DRAWING WITHOUT THE EXPRESS WRITTEN APPROVAL OF G&S AIRPORT CONVEYOR IS PROHIBITED.

G&S Airport Conveyor
Airport Baggage Solutions
1-888-328-8826
www.gsairportconveyor.com
USA CORPORATE OFFICE
3409 WEST HARRY ROAD
WICHITA, KS 67213
PHOENIX OFFICE
4821 S. 33rd STREET
PHOENIX, AZ 85040

ISSUED FOR
SUBMITTAL

ISSUED ON
2025-05-22

DRAWN BY	CHECKED BY
MH	G&S

CLIENT
MONTEITH CONSTRUCTION

AIRPORT
WILMINGTON INTERNATIONAL AIRPORT

G&S PROJECT CODE	AIRPORT CODE
25ILM1557	ILM

SHEET TITLE
TYPICAL HANGING DETAILS

SHEET #	ISSUE #
D1.3	1.0