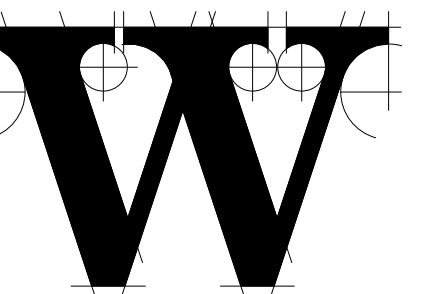




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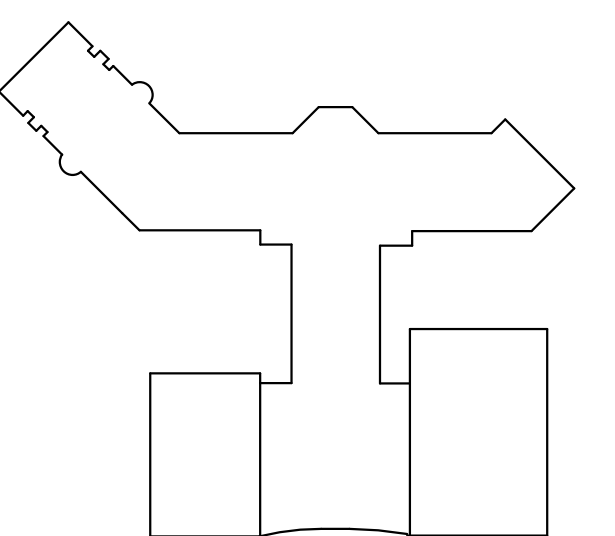
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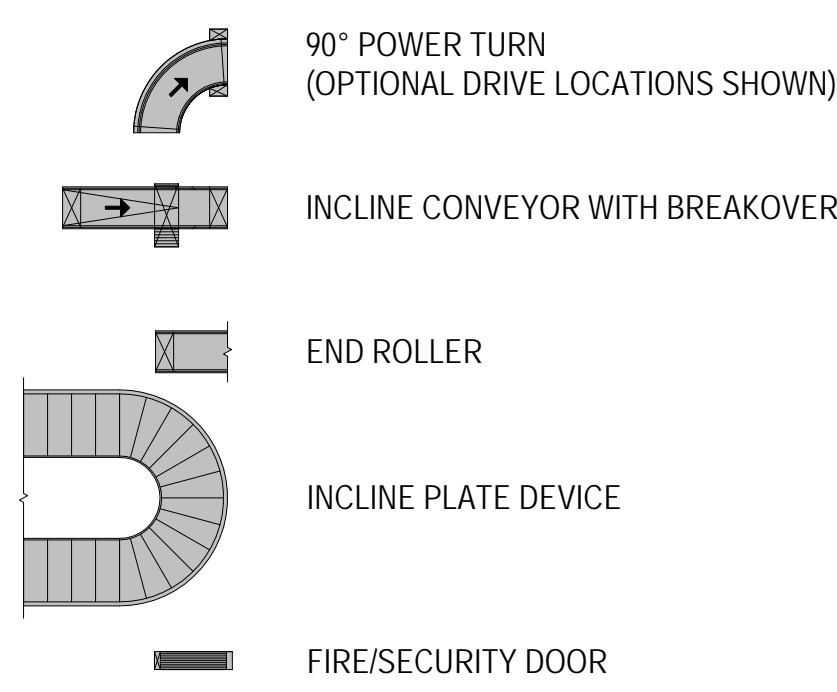
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PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS**

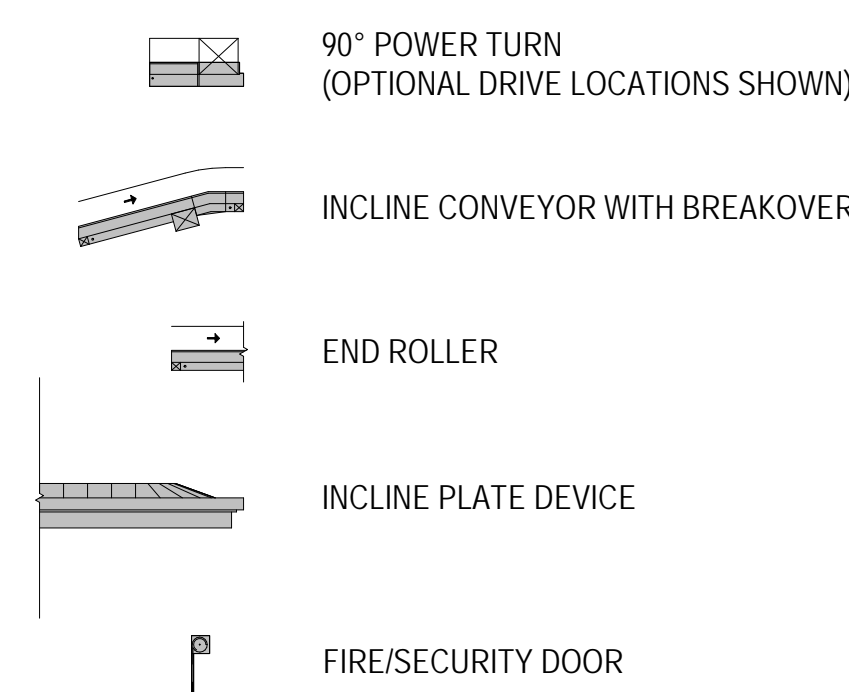
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# B-000

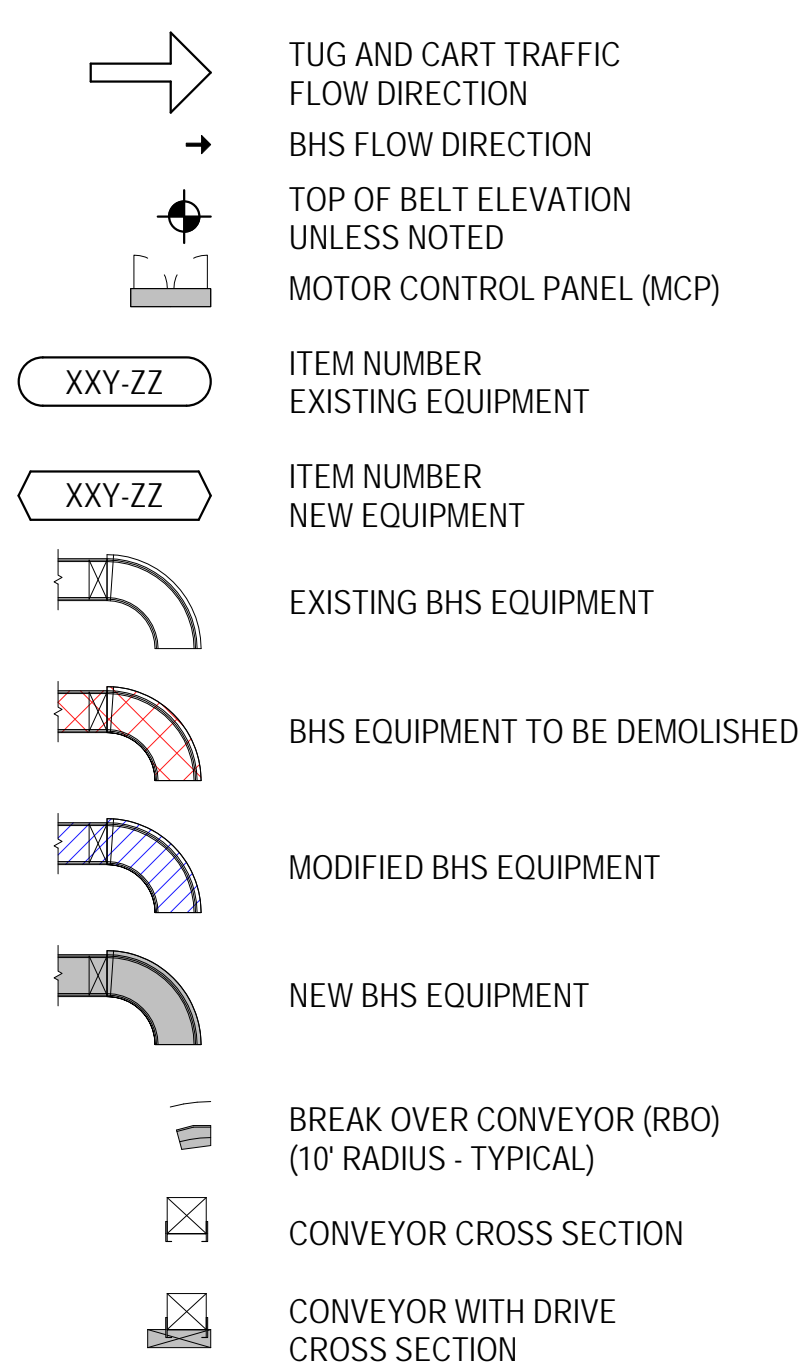
## CONVEYOR LEGEND PLAN



## CONVEYOR LEGEND ELEVATION



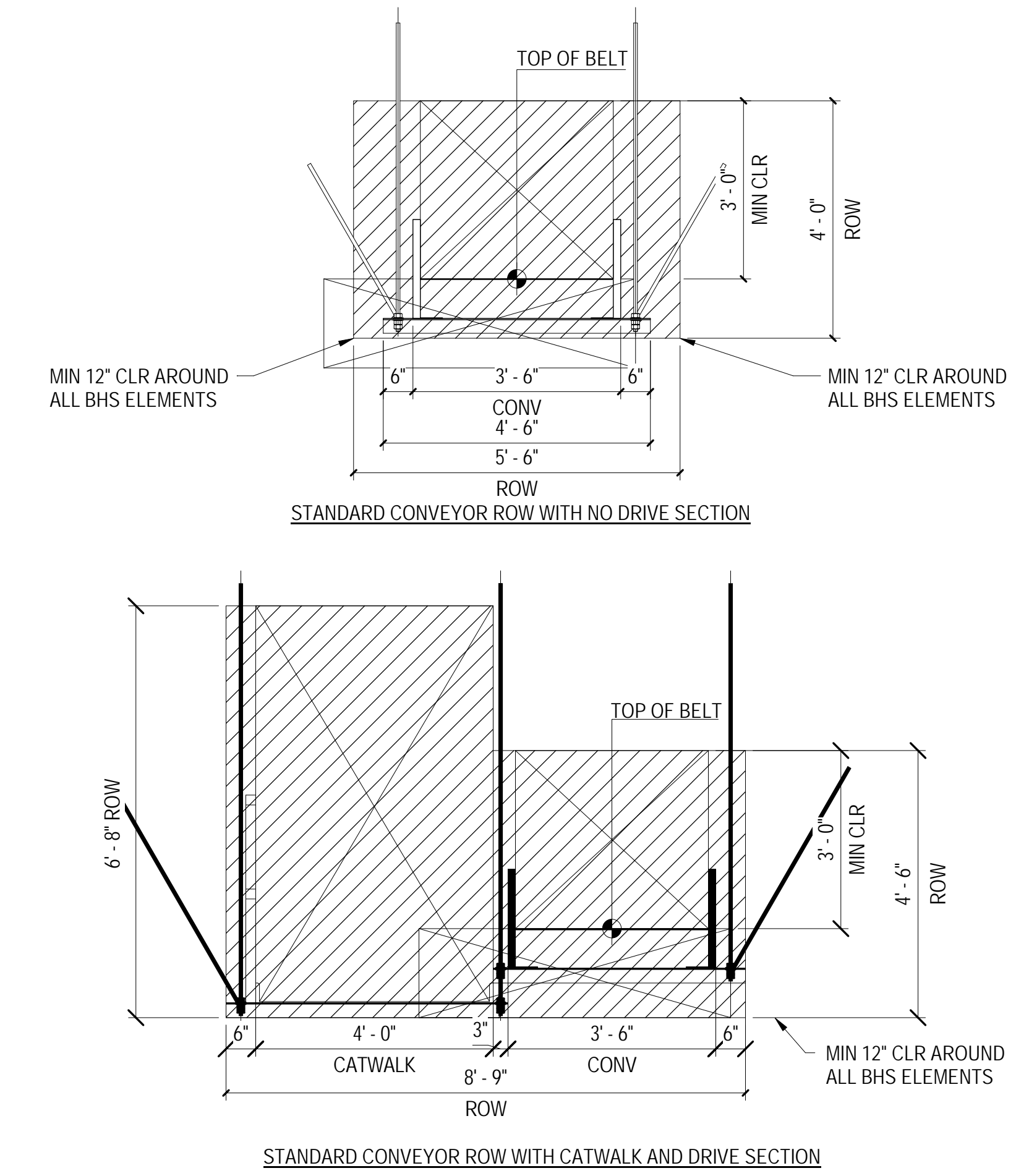
## GENERAL SYMBOLS



## 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



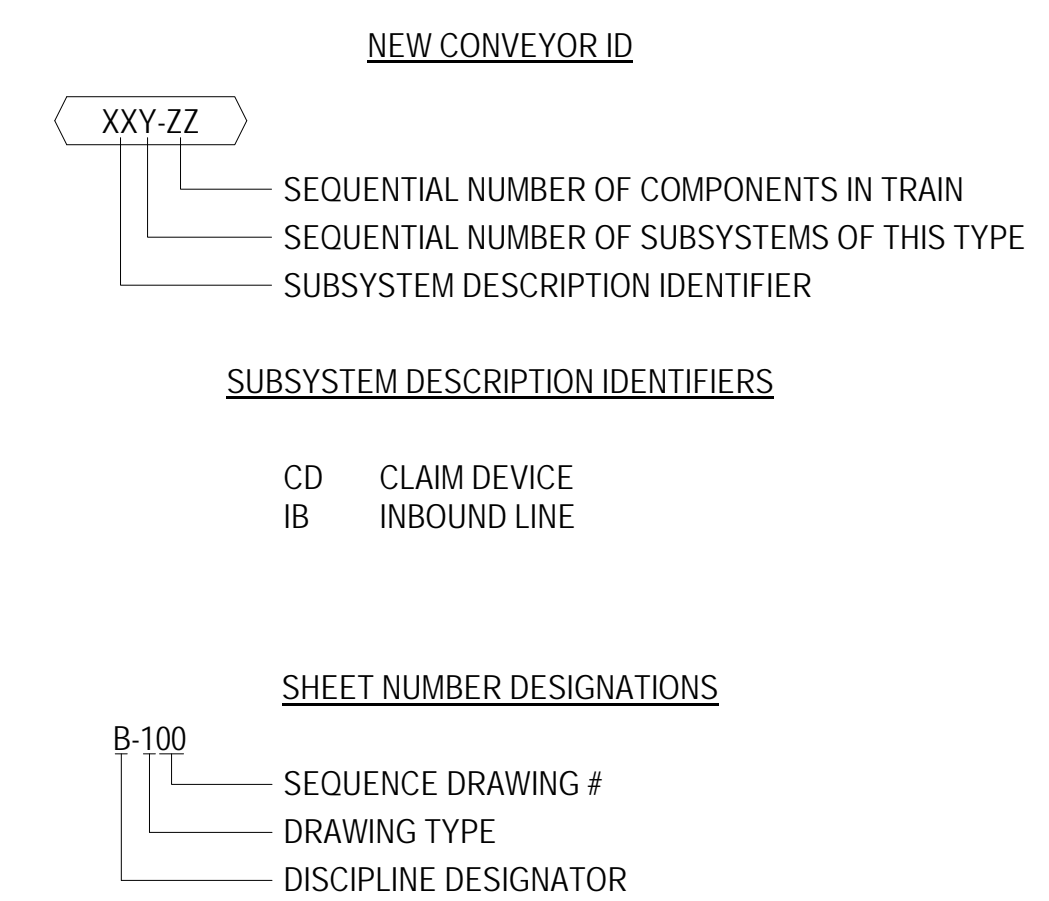
## PROJECT SHEET LIST

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.
- 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.
  - FINISHED FLOOR ELEVATIONS PROVIDED FOR INFORMATION ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL FLOOR ELEVATIONS AND BUILDING INFORMATION.
  - ALL FINISHED FLOOR DIMENSIONS ARE TAKEN FROM THE HIGH POINT OF THE FINISHED FLOOR.
  - NO DIMENSIONS SHALL BE SCALED. DRAWING DIMENSIONS SHOWN SHALL BE USED.
  - BHS CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING BHS RIGHT-OF-WAY ISSUES AND REPORTING THEM TO THE OWNER OR THEIR REPRESENTATIVE.
  - BHS CONTRACTOR TO COORDINATE WITH OTHER TRADES TO MAINTAIN BAGGAGE SYSTEM RIGHTS-OF-WAY.
  - ALL DIMENSIONS ARE FROM GRID TO OUTER EXTENT OF CONVEYOR SIDE GUARD, UNLESS NOTED.
  - FOR ADDITIONAL BHS RIGHT-OF-WAY CLEARANCES, CROSS SECTIONS, AND ATTACHMENT DETAILS REFERENCE THE B-500 SERIES DRAWINGS.
  - 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.
  - ALL BHS RIGHTS-OF-WAYS SHALL TAKE PRECEDENCE OVER ALL OTHER BUILDING SERVICES (E.G. MECHANICAL, DUCT WORK AND PIPES, CONDUIT, FIRE PROTECTION, PLUMBING).
  - 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



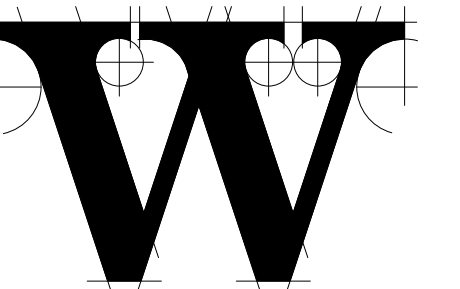
DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE  
**BAGGAGE HANDLING EQUIPMENT LEGENDS, SYMBOLS & ABBREVIATIONS**

SHEET NUMBER  
**B-000**



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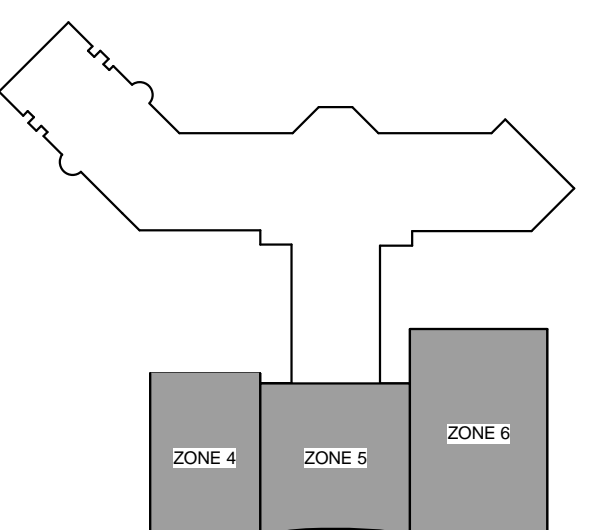
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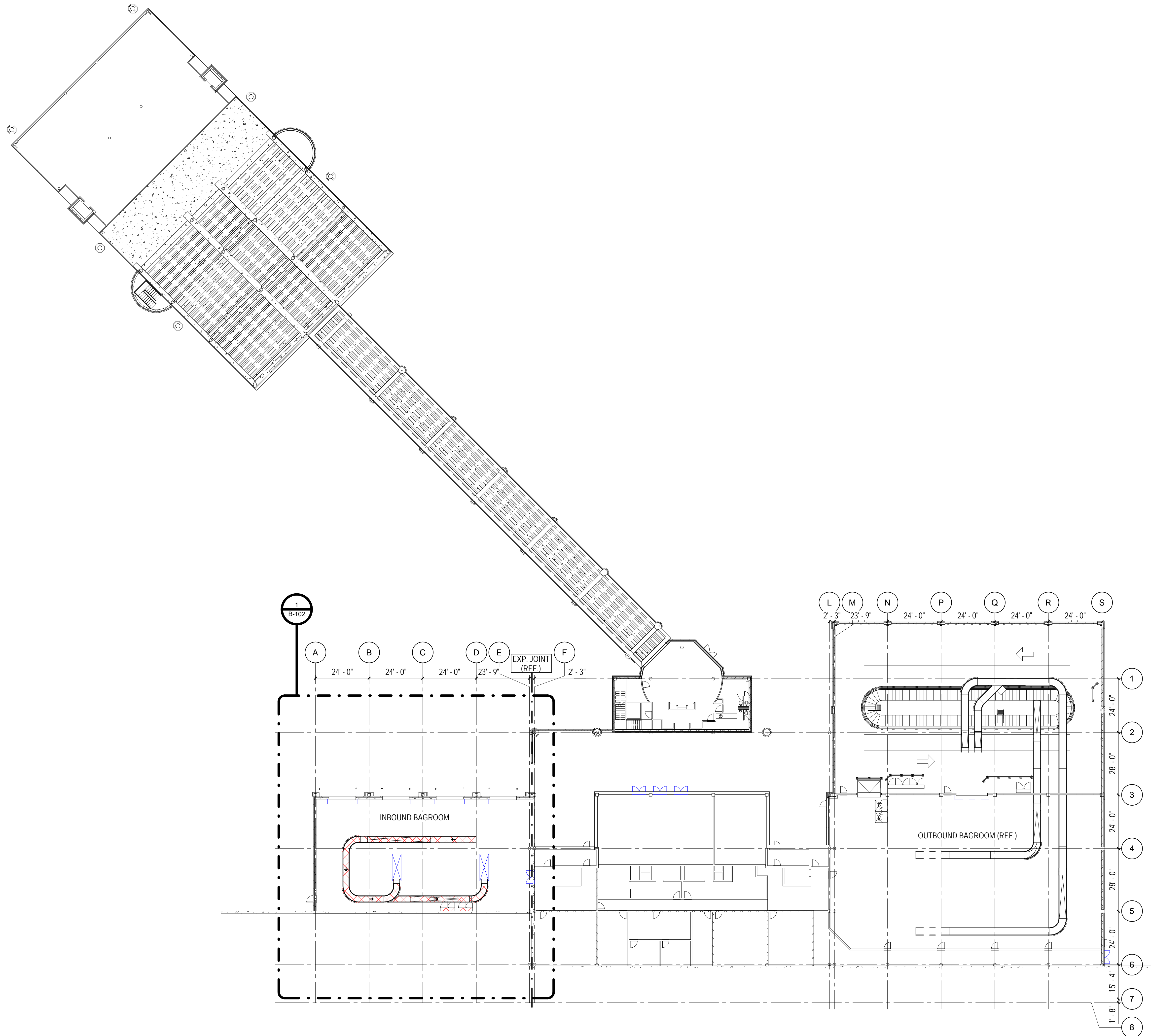


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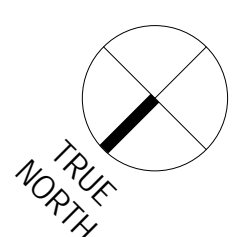


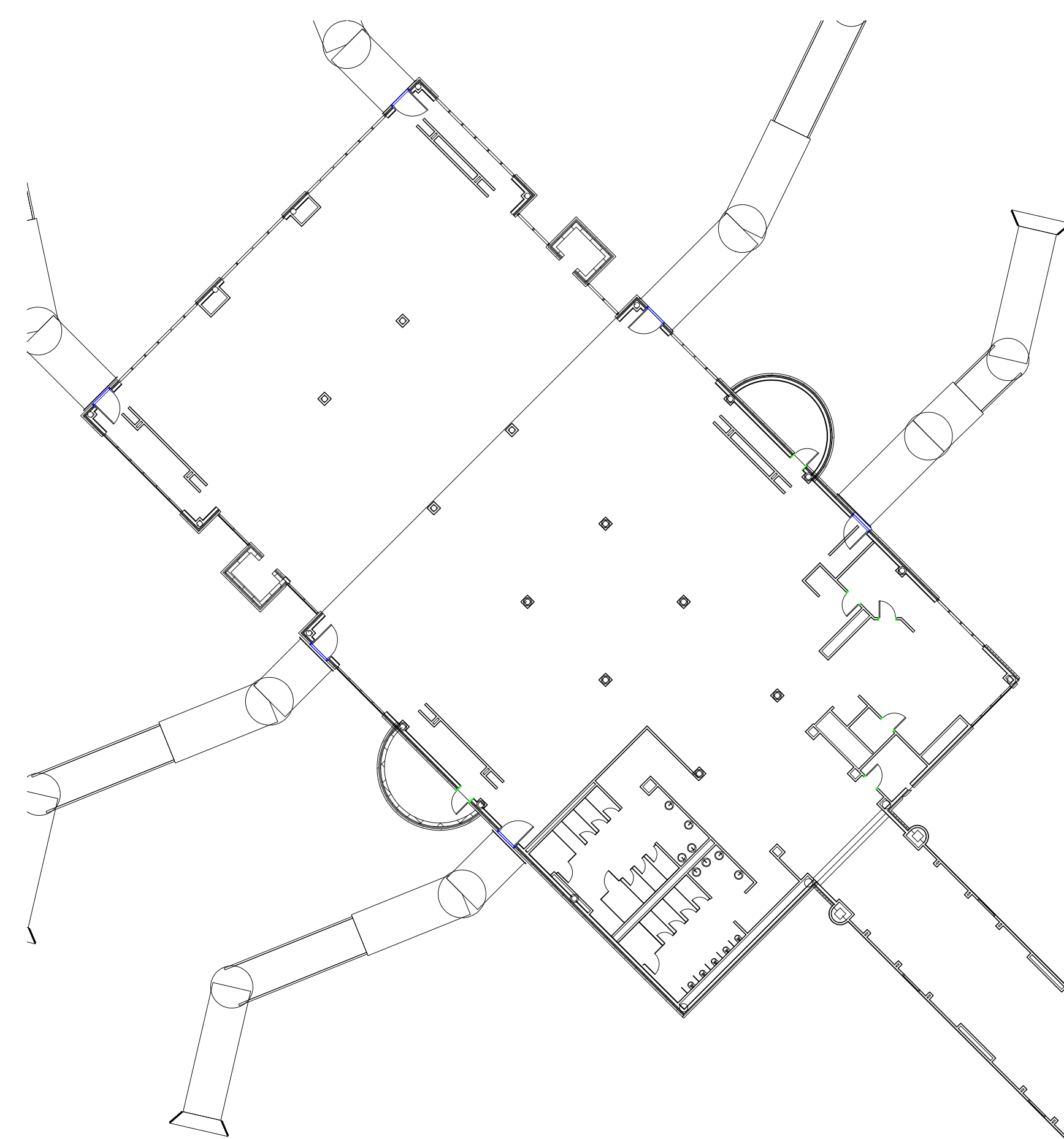
**1 GENERAL ARRANGEMENT - BASEMENT LEVEL - EXISTING CONDITIONS**  
3/64" = 1'-0"

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

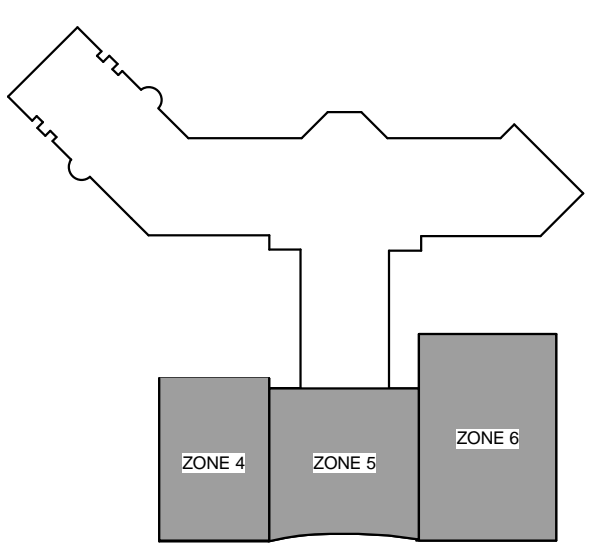
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SHEET NUMBER  
**B-100**





1 GENERAL ARRANGEMENT - DEPARTURES / ARRIVALS LEVEL - EXISTING CONDITIONS  
3/64" = 1'-0"



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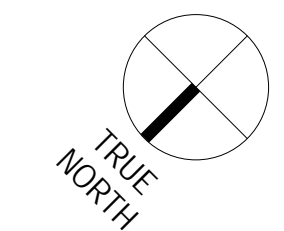
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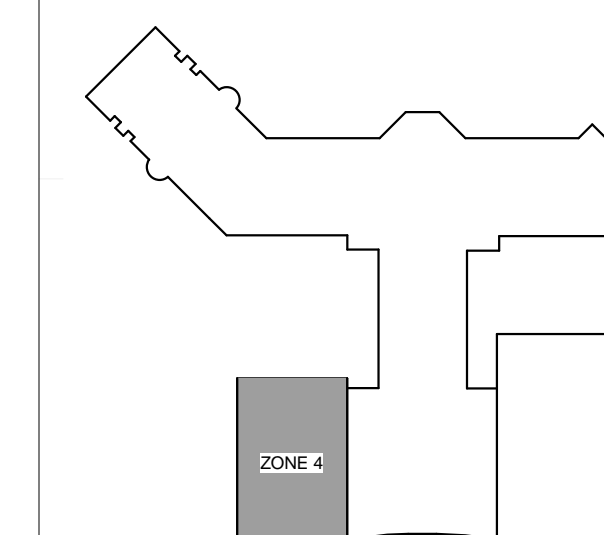
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DATE 06/28/2019  
 PROJECT NUMBER 2019020  
 SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL EXISTING CONDITIONS**

SHEET NUMBER  
**B-101**





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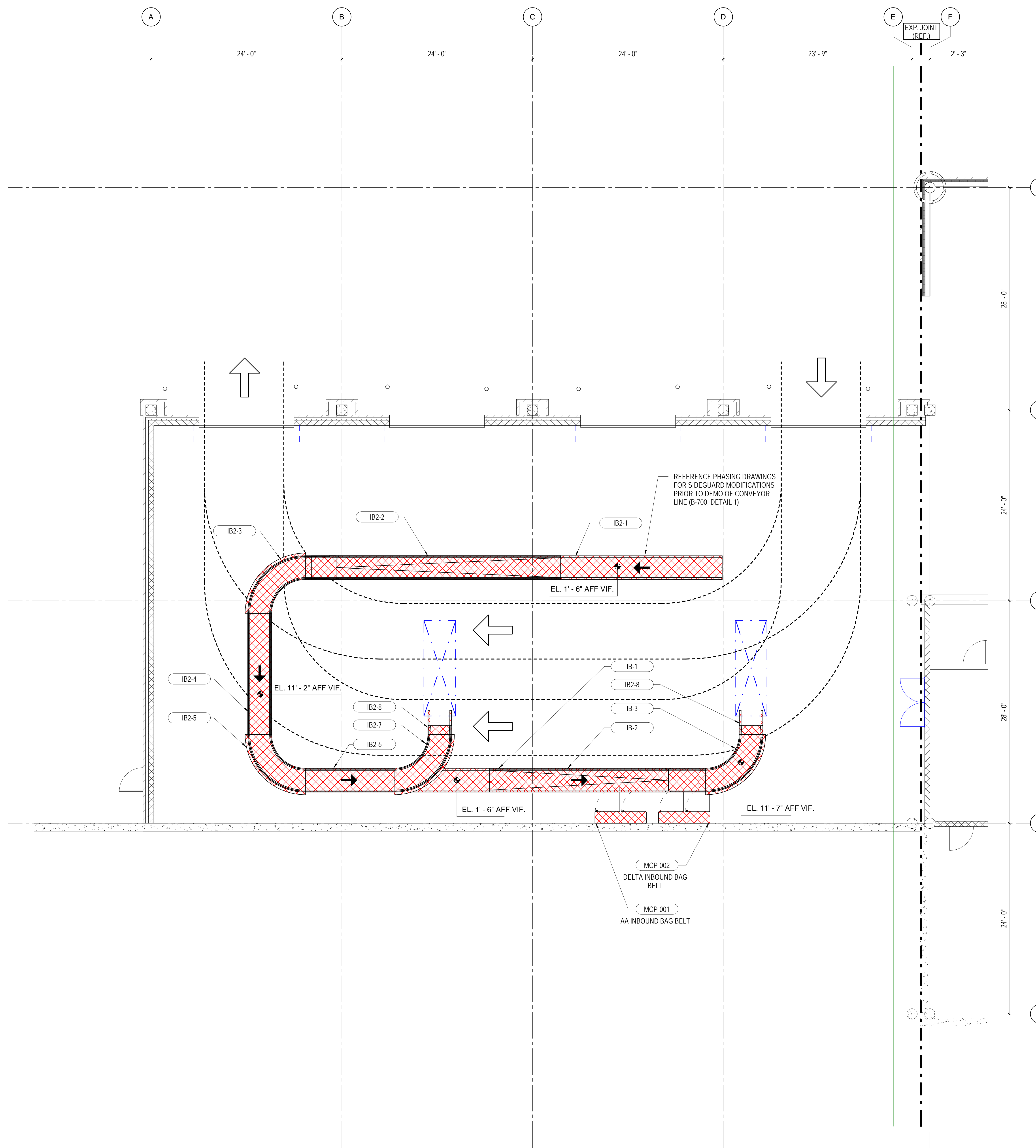
REVISIONS

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND DEMO PLAN**

SHEET NUMBER

**B-102**

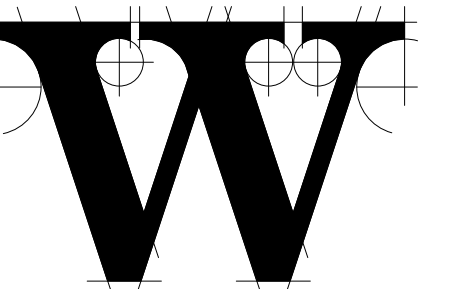


**1 PARTIAL PLAN - BASEMENT LEVEL - BHS DEMO**  
3/16" = 1'-0"



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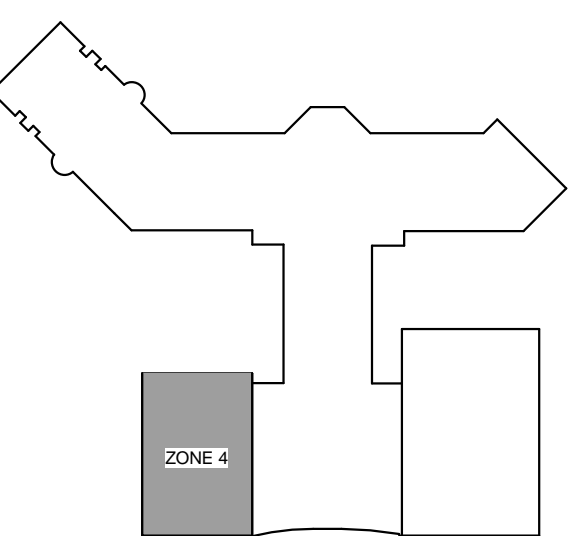
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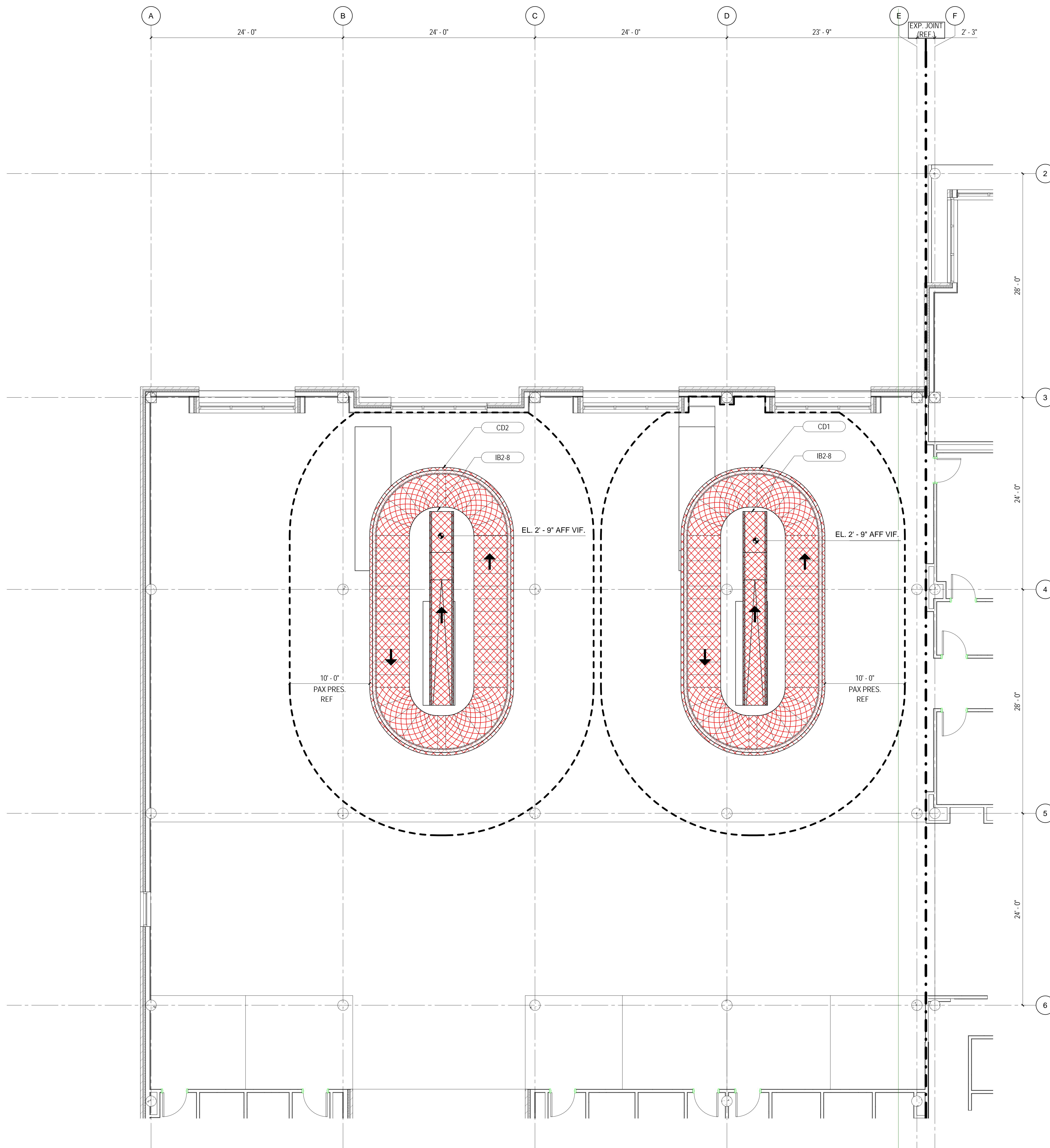
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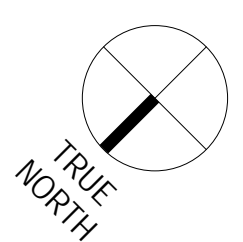
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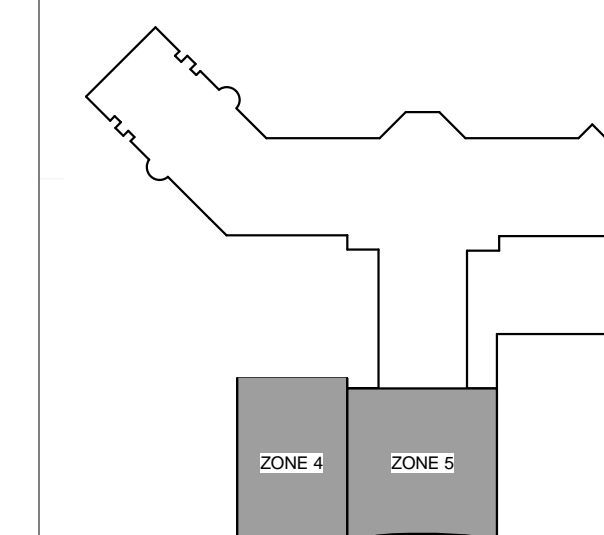
SHEET NUMBER

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**1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - BHS DEMO**  
3/16" = 1'-0"





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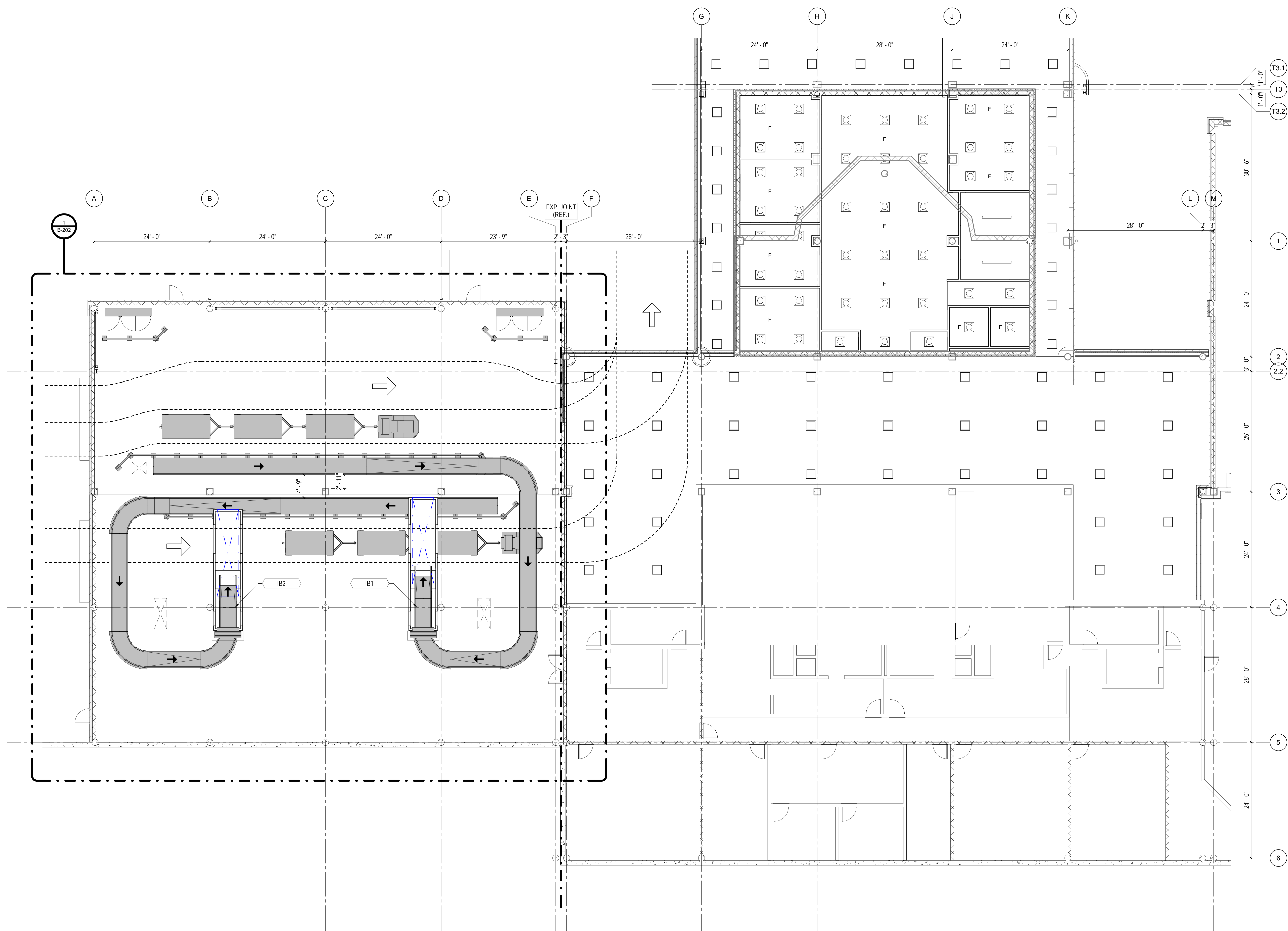
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DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT BASEMENT LEVEL PROPOSED**

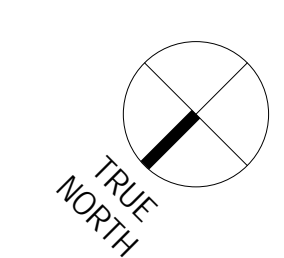
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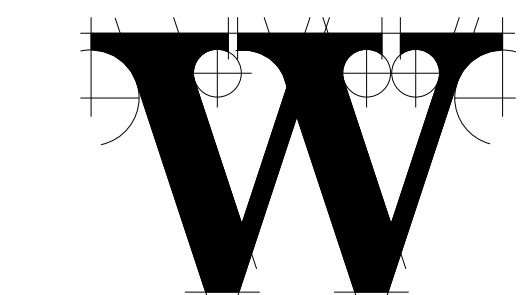
**B-200**



**1 GENERAL ARRANGEMENT - BASEMENT LEVEL - PROPOSED BHS**

1/8" = 1'-0"





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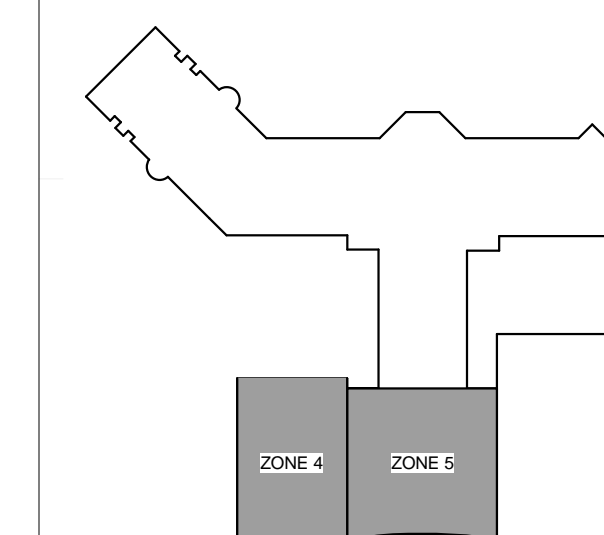
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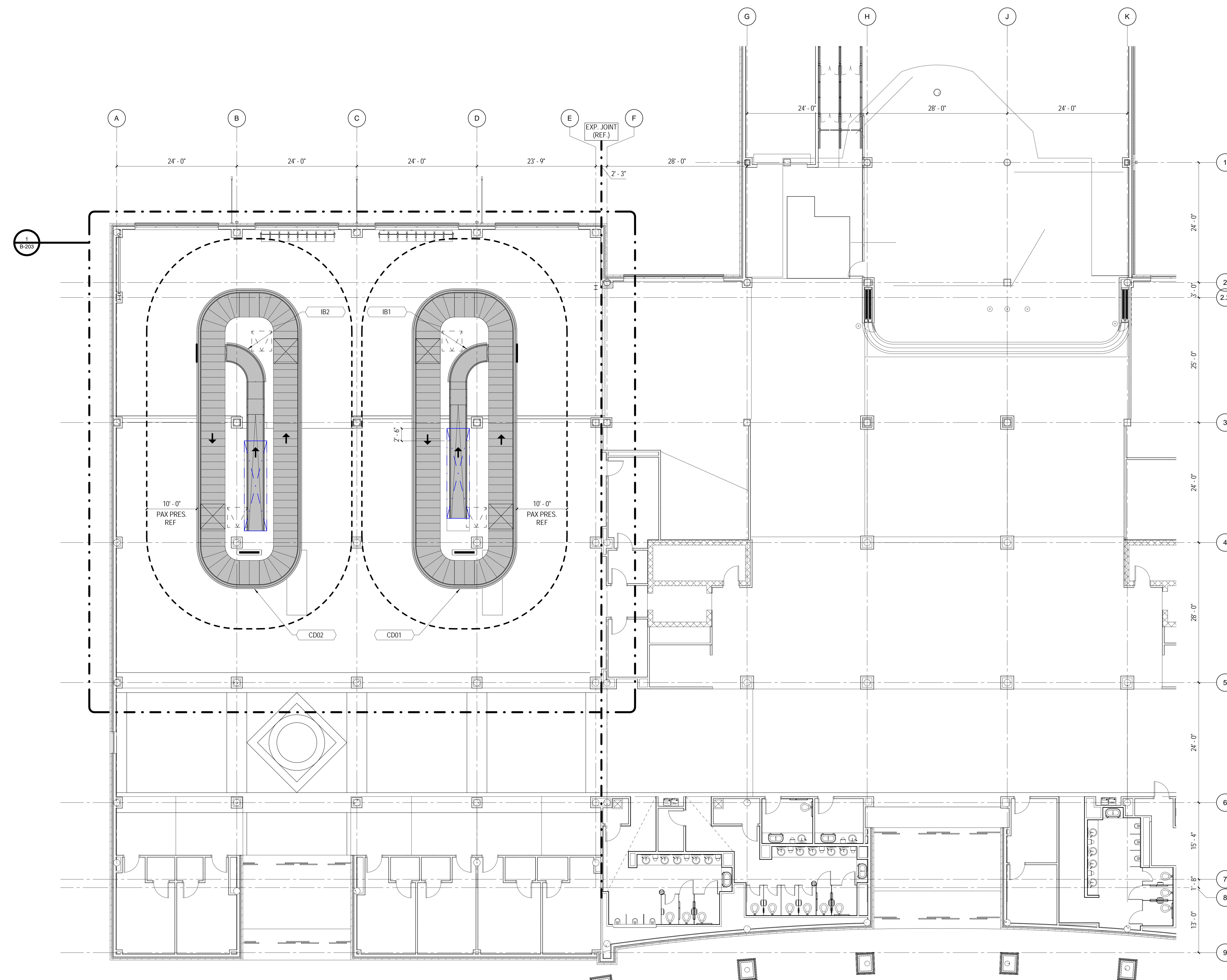
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DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT GENERAL ARRANGEMENT DEPARTURES / ARRIVALS LEVEL PROPOSED**

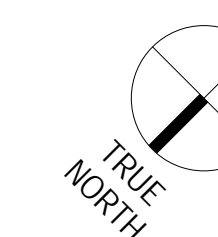
SHEET NUMBER

**B-201**



**1 GENERAL ARRANGEMENT - DEPARTURES LEVEL - PROPOSED BHS**

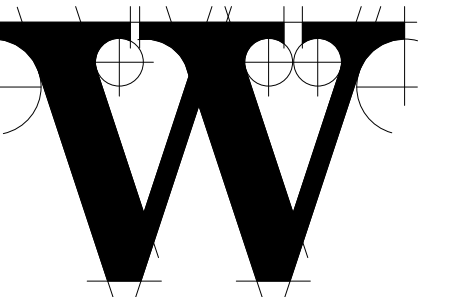
1/8" = 1'-0"





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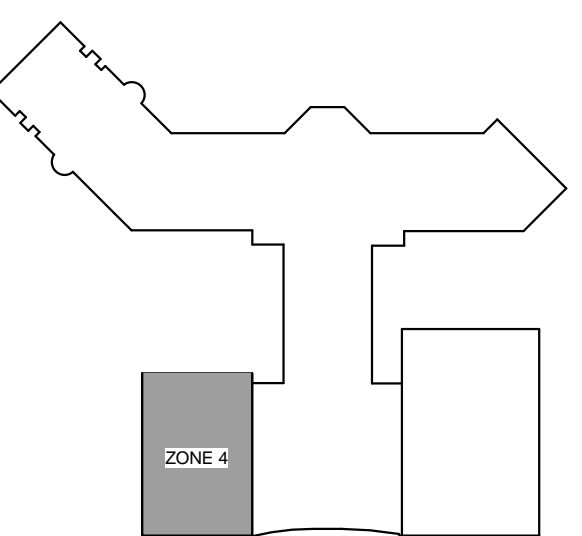
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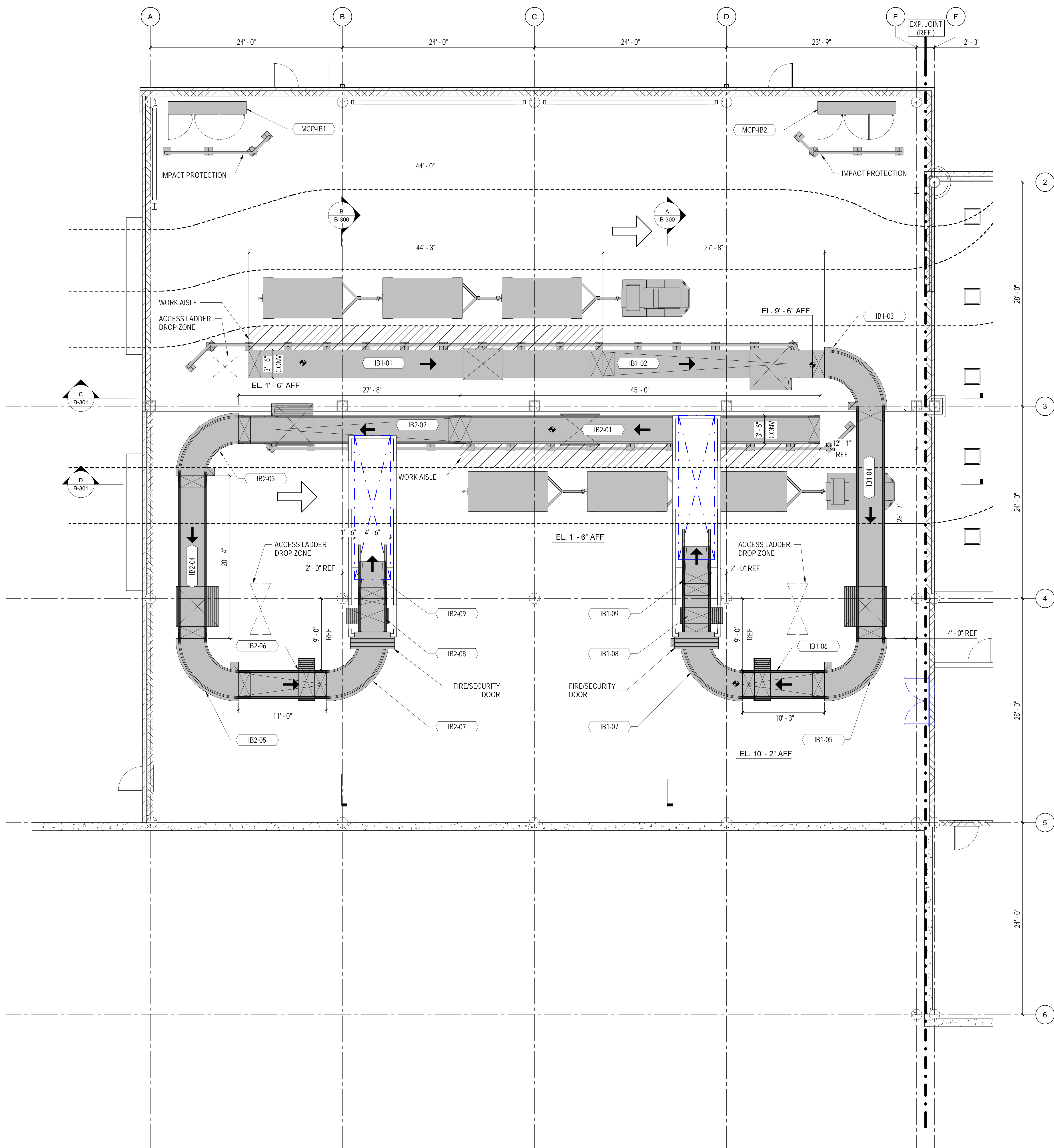
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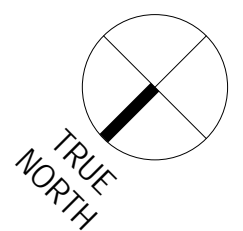
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PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED**

SHEET NUMBER  
**B-202**



**1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS**  
3/16" = 1'-0"

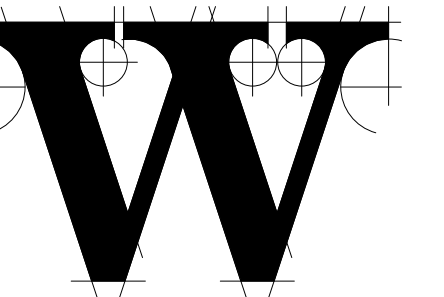






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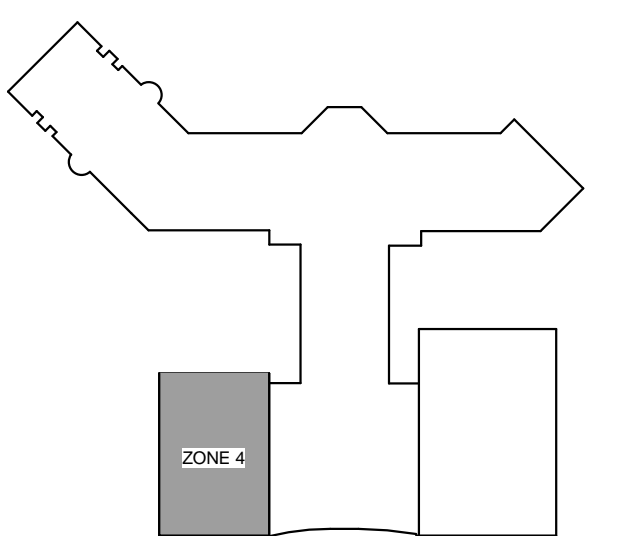
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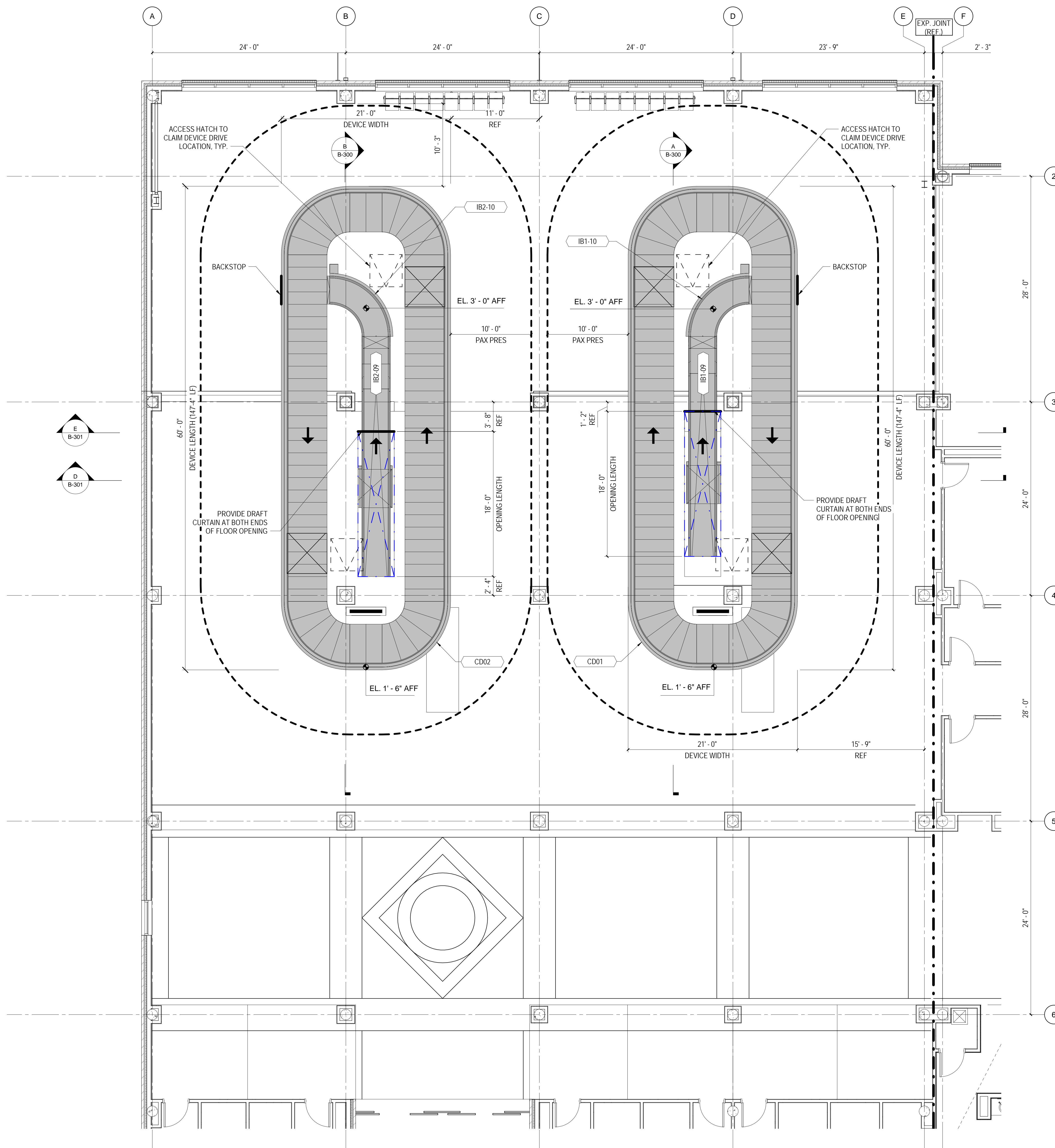
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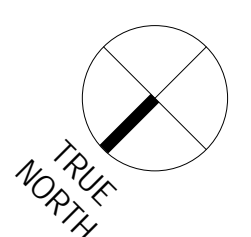
DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT DEPARTURES / ARRIVALS LEVEL INBOUND PROPOSED**

SHEET NUMBER  
**B-203**



**1 PARTIAL PLAN - DEPARTURES / ARRIVALS LEVEL - PROPOSED BHS**  
3/16" = 1'-0"

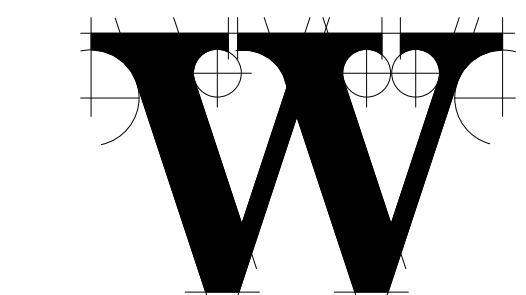


- NOTES:**
1. REFERENCE SPEC SECTION 347739-3.5.Q FOR PAVEMENT MARKINGS.
  2. REFERENCE STRUCTURAL DRAWINGS FOR MCP HOUSEKEEPING PADS AND COORDINATE LOCATIONS ACCORDINGLY WITH INSTALLATION OF MCP'S.
  3. REFERENCE ARCHITECTURAL DRAWINGS FOR IMPACT PROTECTION LOCATION AND DETAILS IN FRONT OF BOTH MCP'S.



**TERMINAL IMPROVEMENTS CONTRACT 3**

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



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PROJECT MANAGER & CIVIL ENGINEER

**TALBERT & BRIGHT**

CONSULTING ARCHITECT

LS3P

STRUCTURAL ENGINEER

**STEWART**

FPI/PME ENGINEER

**CHEATHAM & ASSOC.**

BAGGAGE HANDLING CONSULTANTS

BNP

AIRCRAFT SUPPORT SYSTEMS

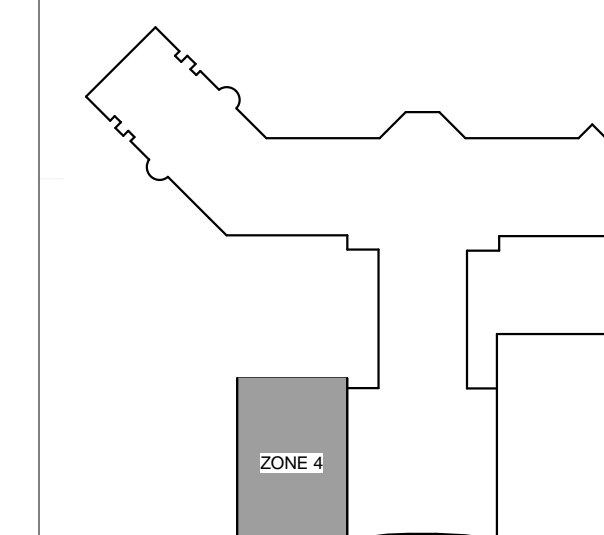
**DK CONSULTANTS**

SPECIALTY LIGHTING CONSULTANT

**HARTRANFT**

SIGNAGE & WAYFINDING

**TAKEFORM**

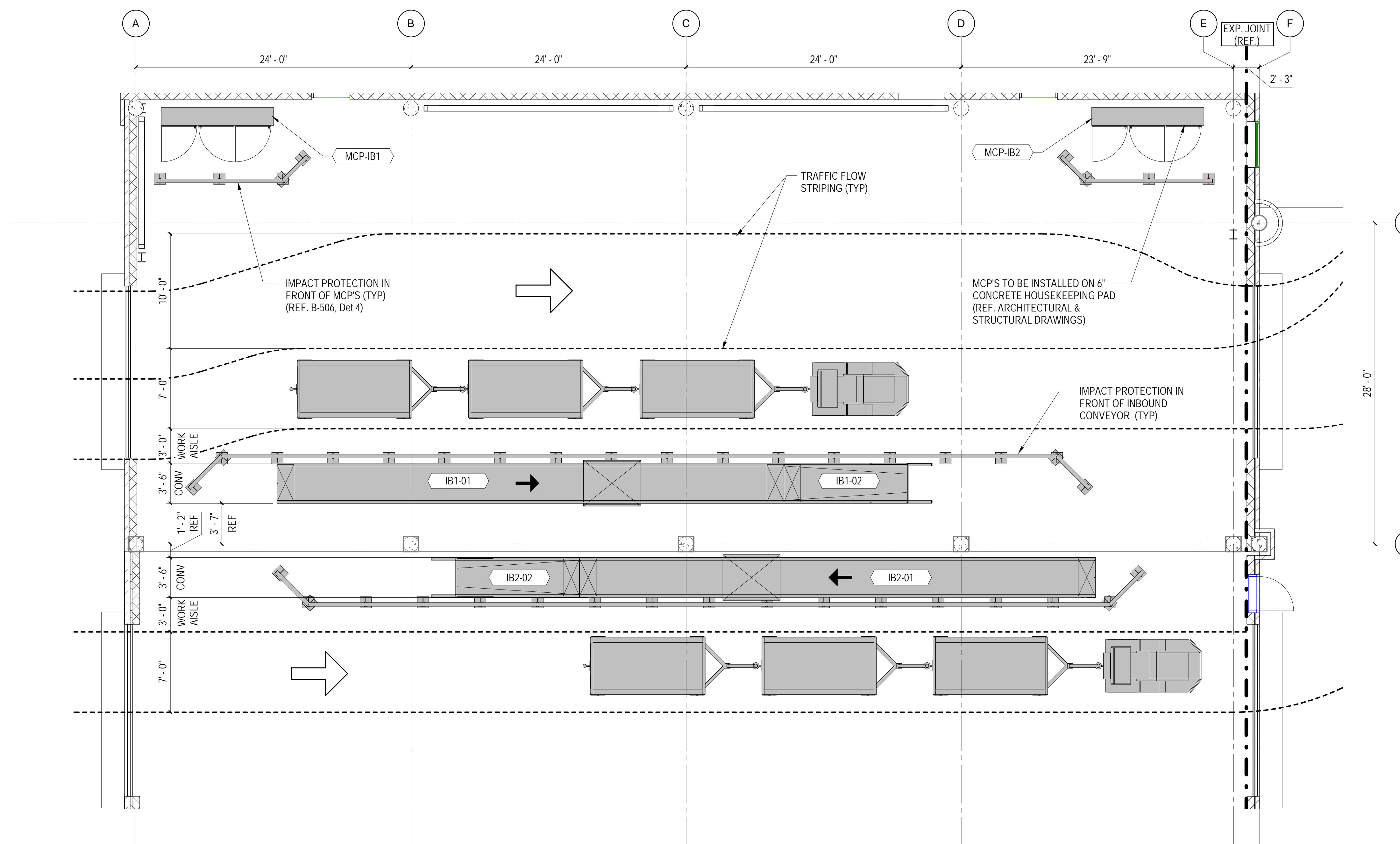


**KEY PLAN**

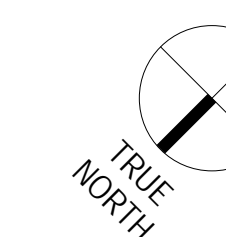
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**REVISIONS**



**1 PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS INBOUND UNLOAD BELT & TRAFFIC FLOW**  
3/16" = 1'-0"

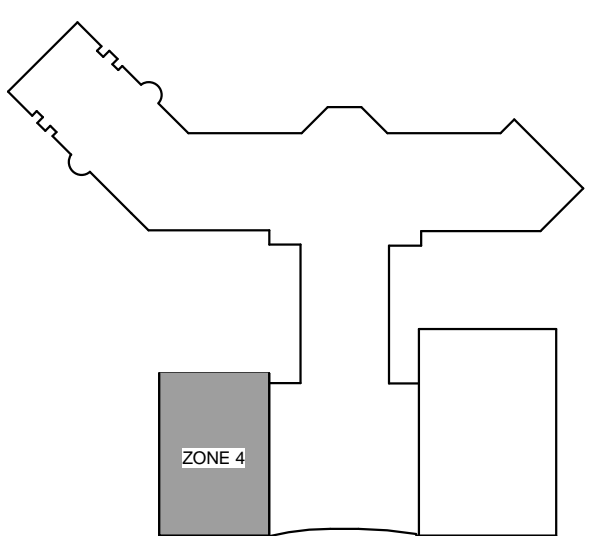


DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

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

SHEET NUMBER

**B-204**



**KEY PLAN**

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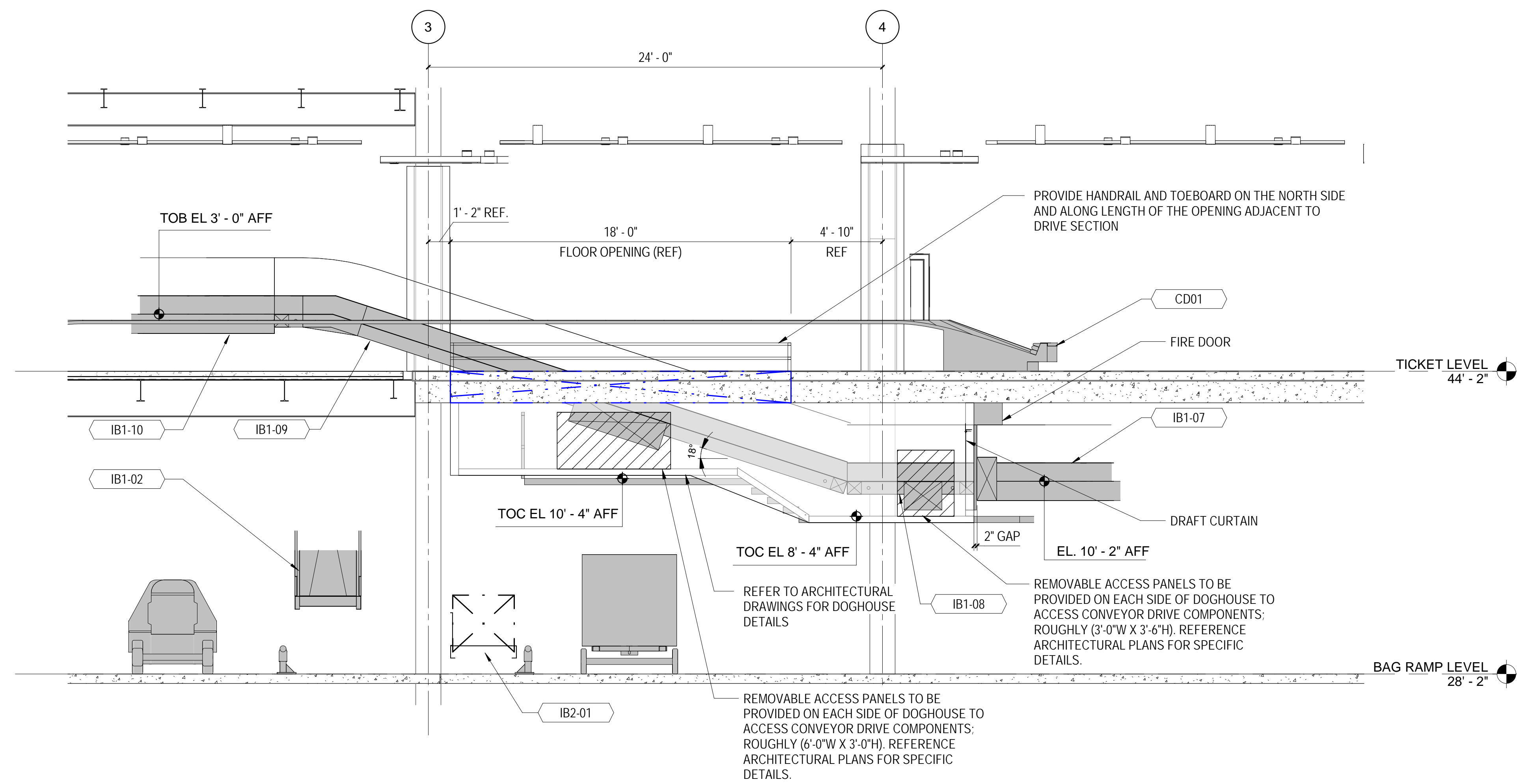
**REVISIONS**

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT INBOUND PROPOSED SECTIONS**

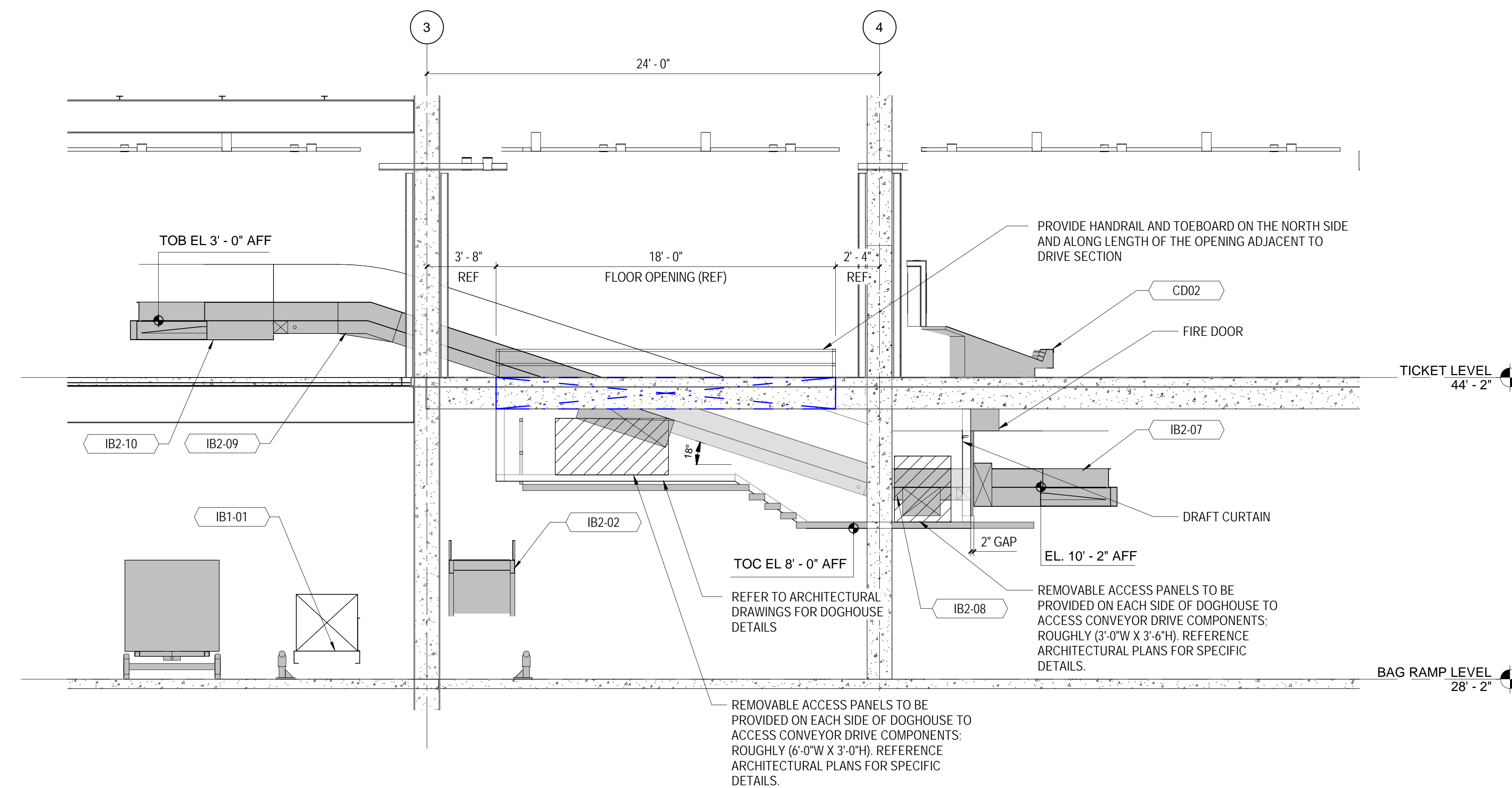
SHEET NUMBER

**B-300**



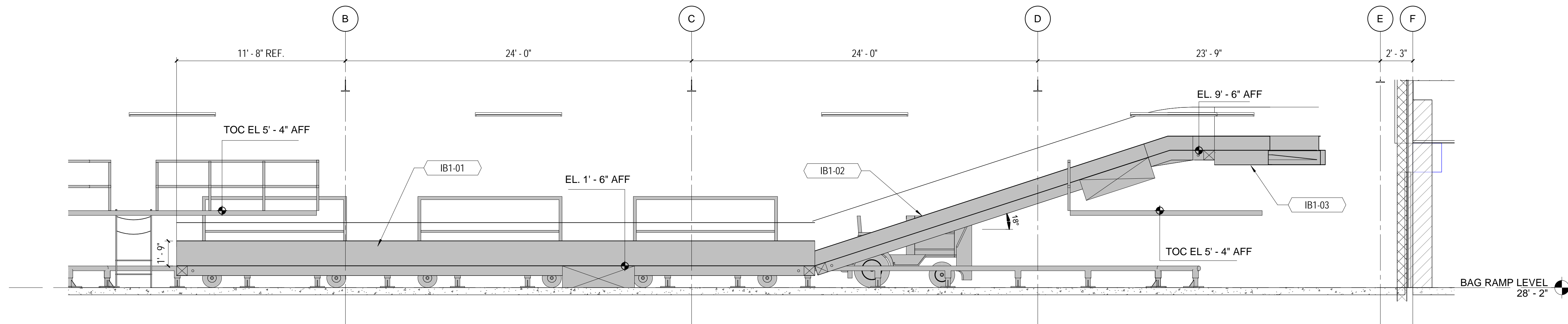
**A IB1 FEED TO CD01**

1/4" = 1'-0"

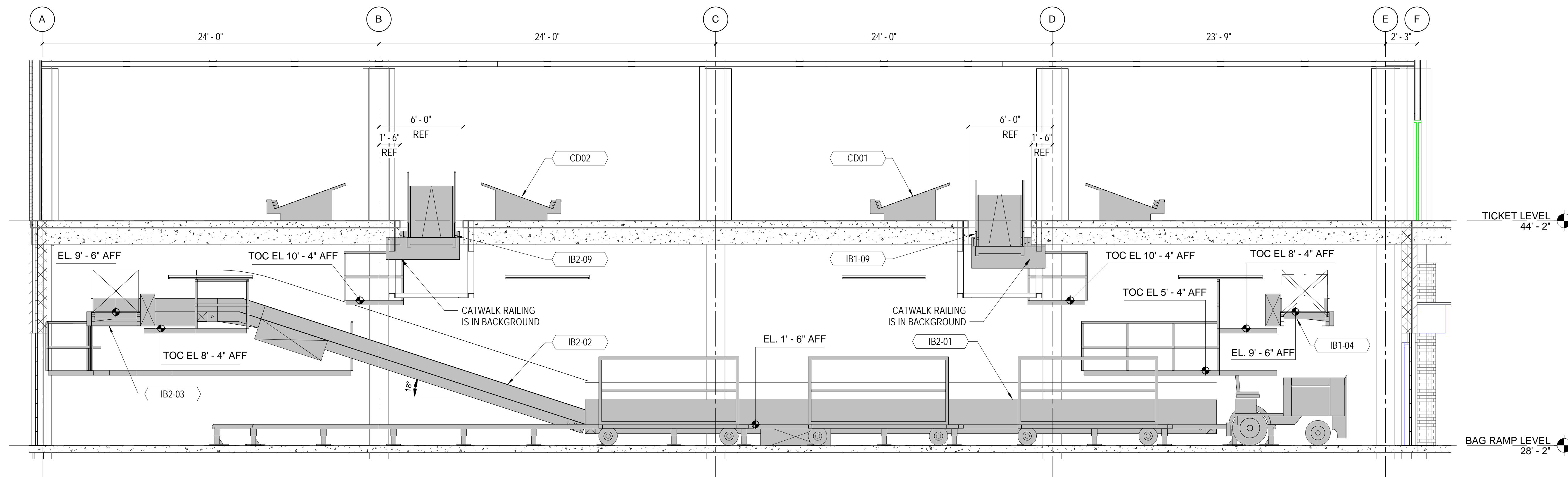


**B IB2 FEED TO CD02**

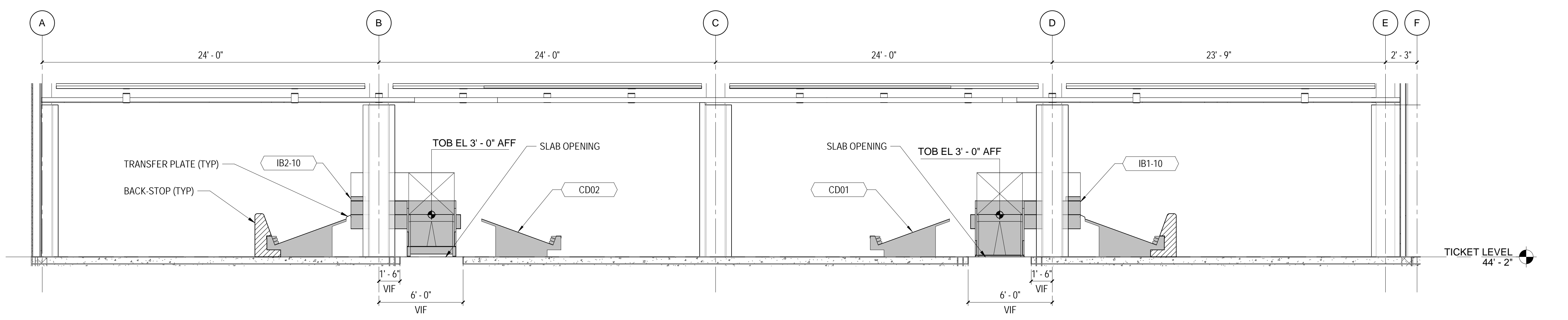
1/4" = 1'-0"



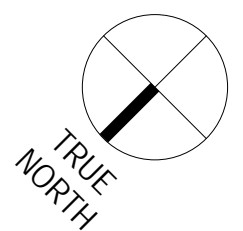
**C IB1 LOAD CONVEYOR**  
1/4" = 1'-0"



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



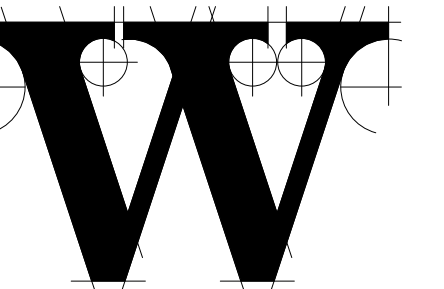
**E IB2 FEED TO CD02 & IB1 FEED TO CD01**  
1/4" = 1'-0"





# TERMINAL IMPROVEMENTS CONTRACT 3

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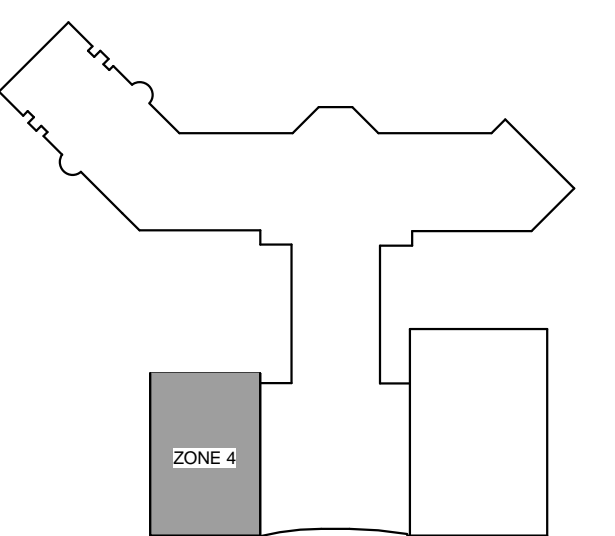
**DK CONSULTANTS**

SPECIALTY LIGHTING CONSULTANT

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TAKEFORM



### KEY PLAN

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### REVISIONS

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

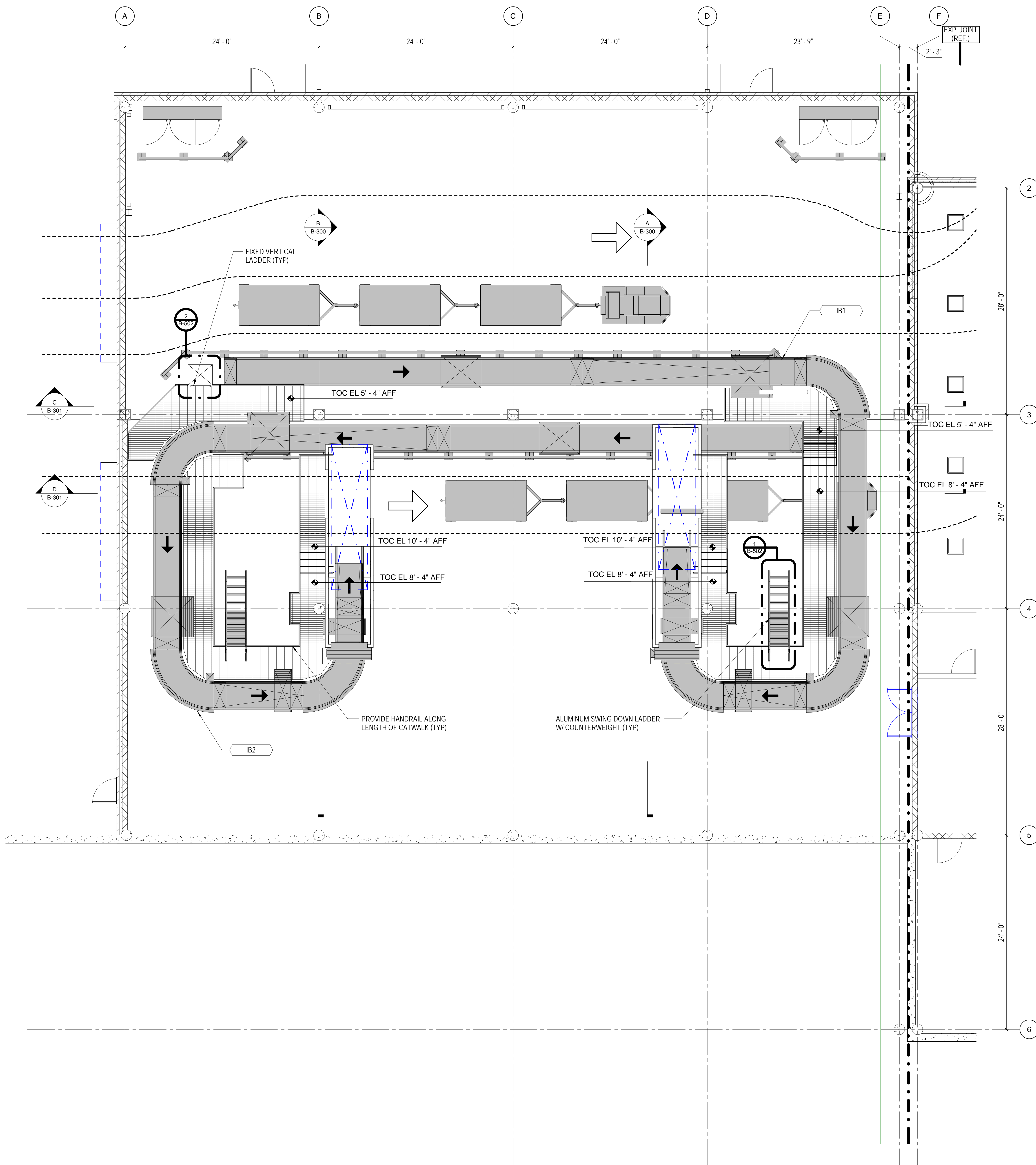
**BAGGAGE HANDLING EQUIPMENT BASEMENT LEVEL INBOUND PROPOSED CATWALK**

SHEET NUMBER

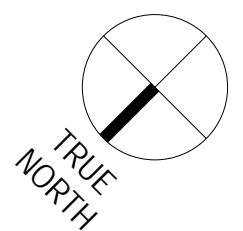
# B-400

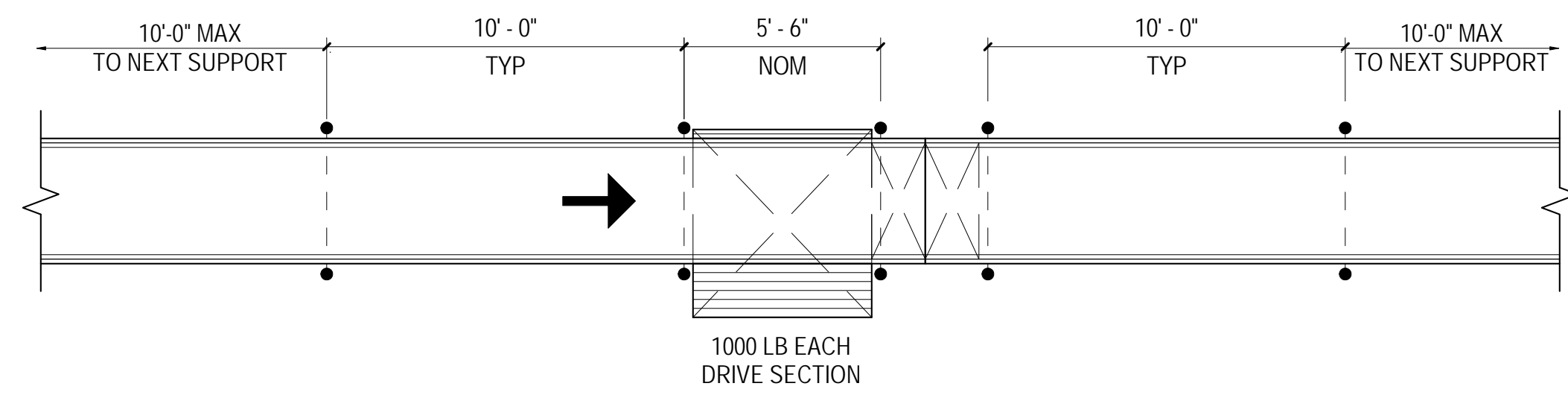
### MAINTENANCE CATWALK NOTES:

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.

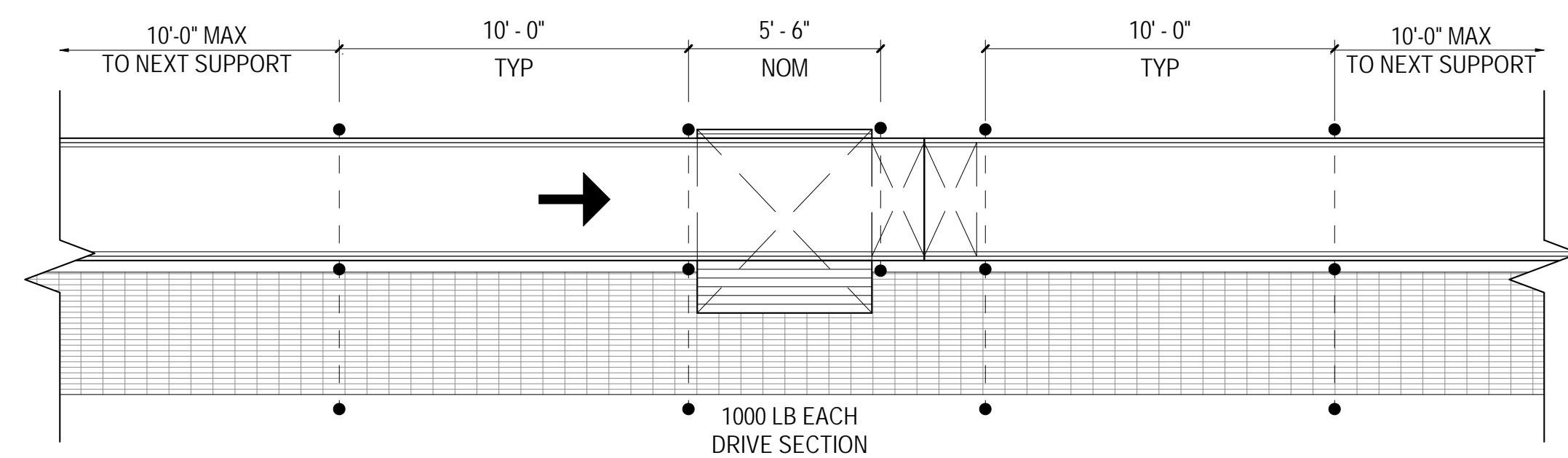


**C PARTIAL PLAN - BASEMENT LEVEL - PROPOSED BHS WITH CATWALK**  
3/16" = 1'-0"

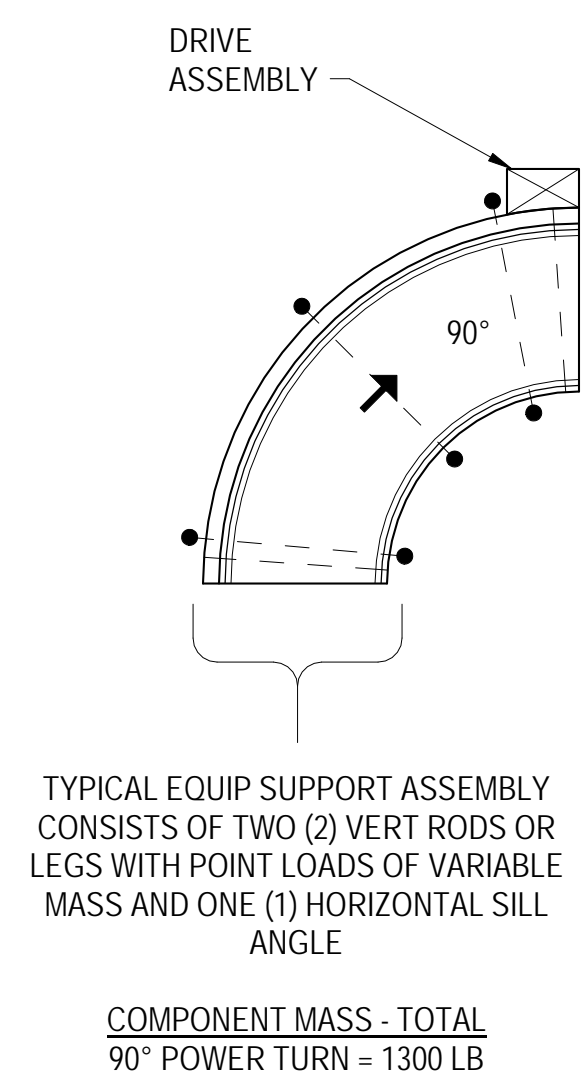




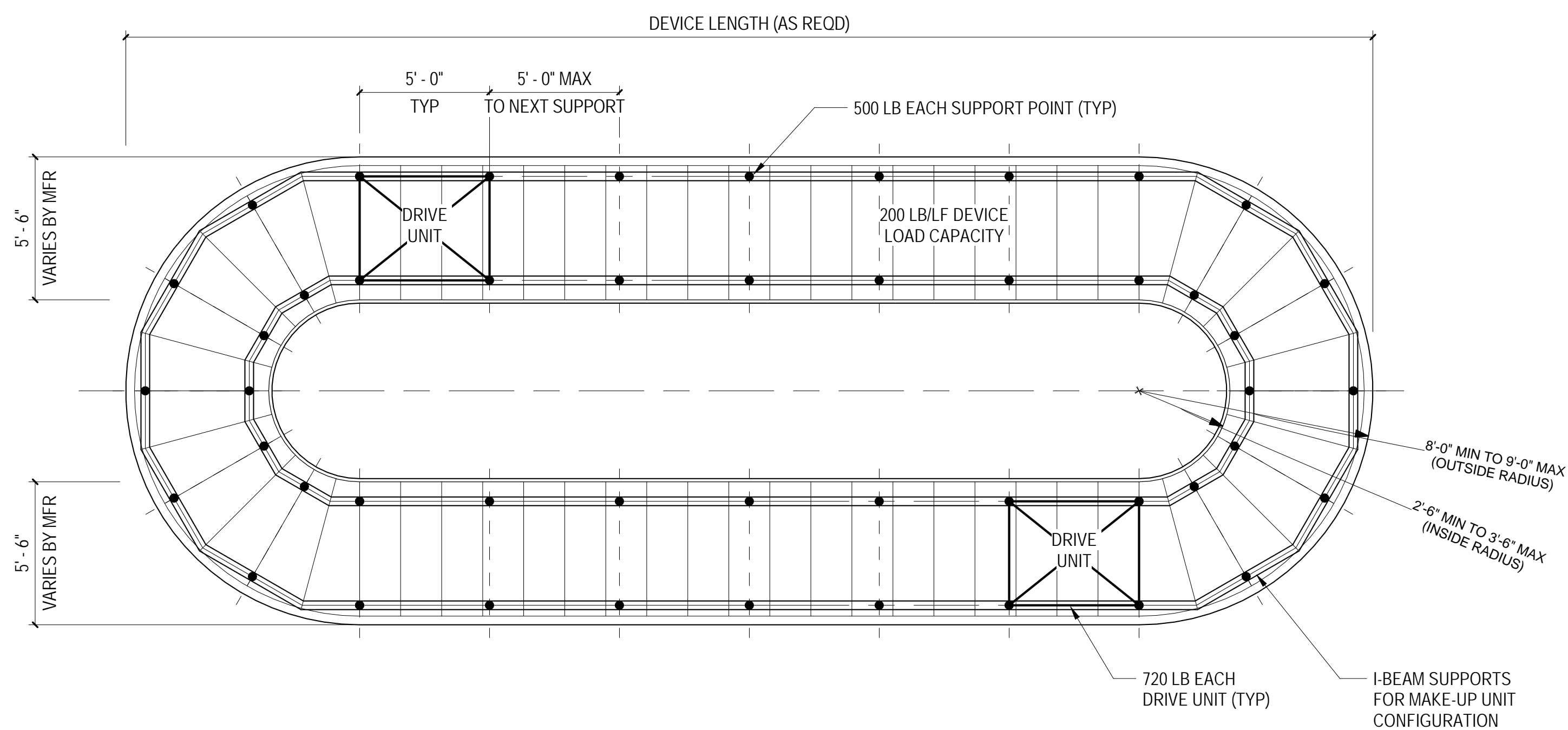
**1 SINGLE LEVEL CONVEYOR STANDARD SUPPORT LOAD LOCATIONS**  
1/4" = 1'-0"



**2 SINGLE LEVEL CONVEYOR AND CATWALK STANDARD SUPPORT LOAD LOCATIONS**  
1/4" = 1'-0"



**3 POWER TURNS STANDARD SUPPORT LOAD LOCATIONS**  
1/4" = 1'-0"



**4 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 RAWLW "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)

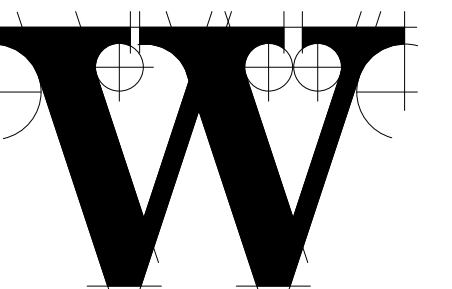
6. THE CUMULATIVE LOADING OF ANY SINGLE POINT SHALL NOT EXCEED THE SUM OF THE INDIVIDUAL COMPONENT MAXIMUMS LISTED BELOW. THE MAXIMUM TOTAL INDIVIDUAL LOAD SHALL NOT EXCEED 2000 LB.

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



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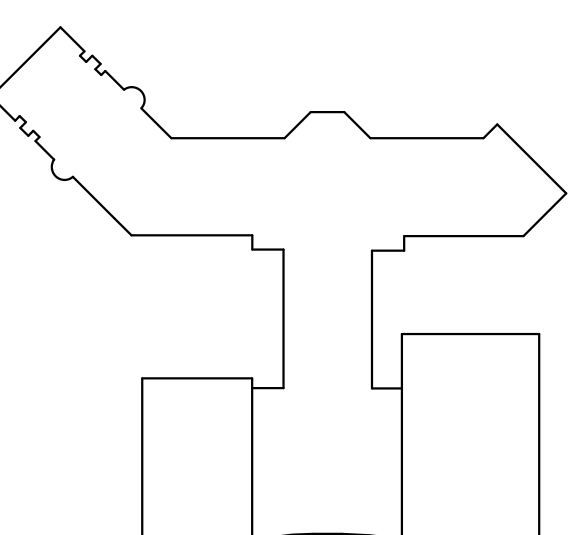
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**KEY PLAN**

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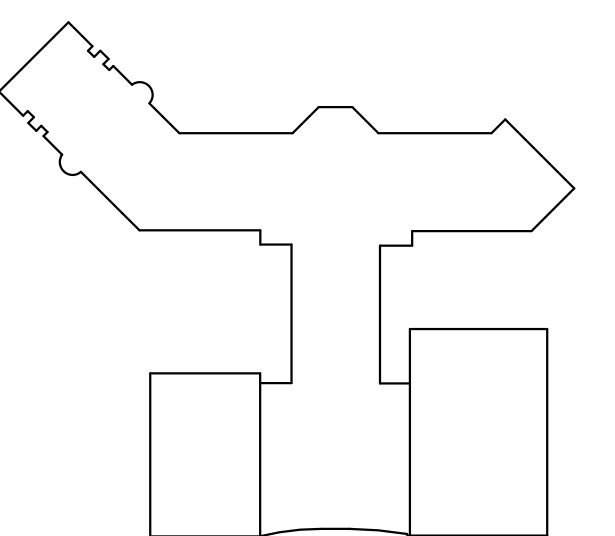
**REVISIONS**

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT TYPICAL LOADING DIAGRAMS**

SHEET NUMBER

**B-500**



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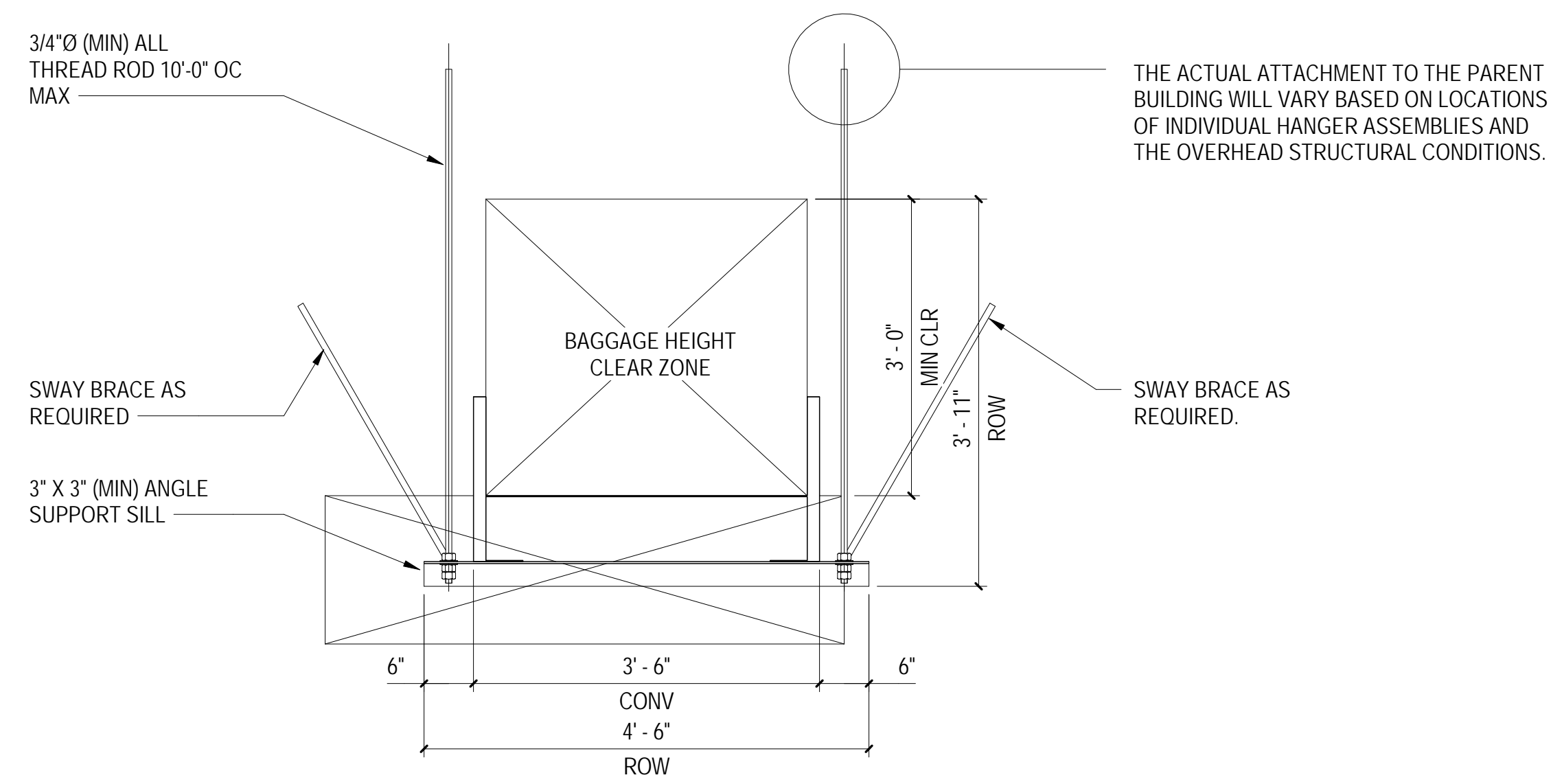
**REVISIONS**

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

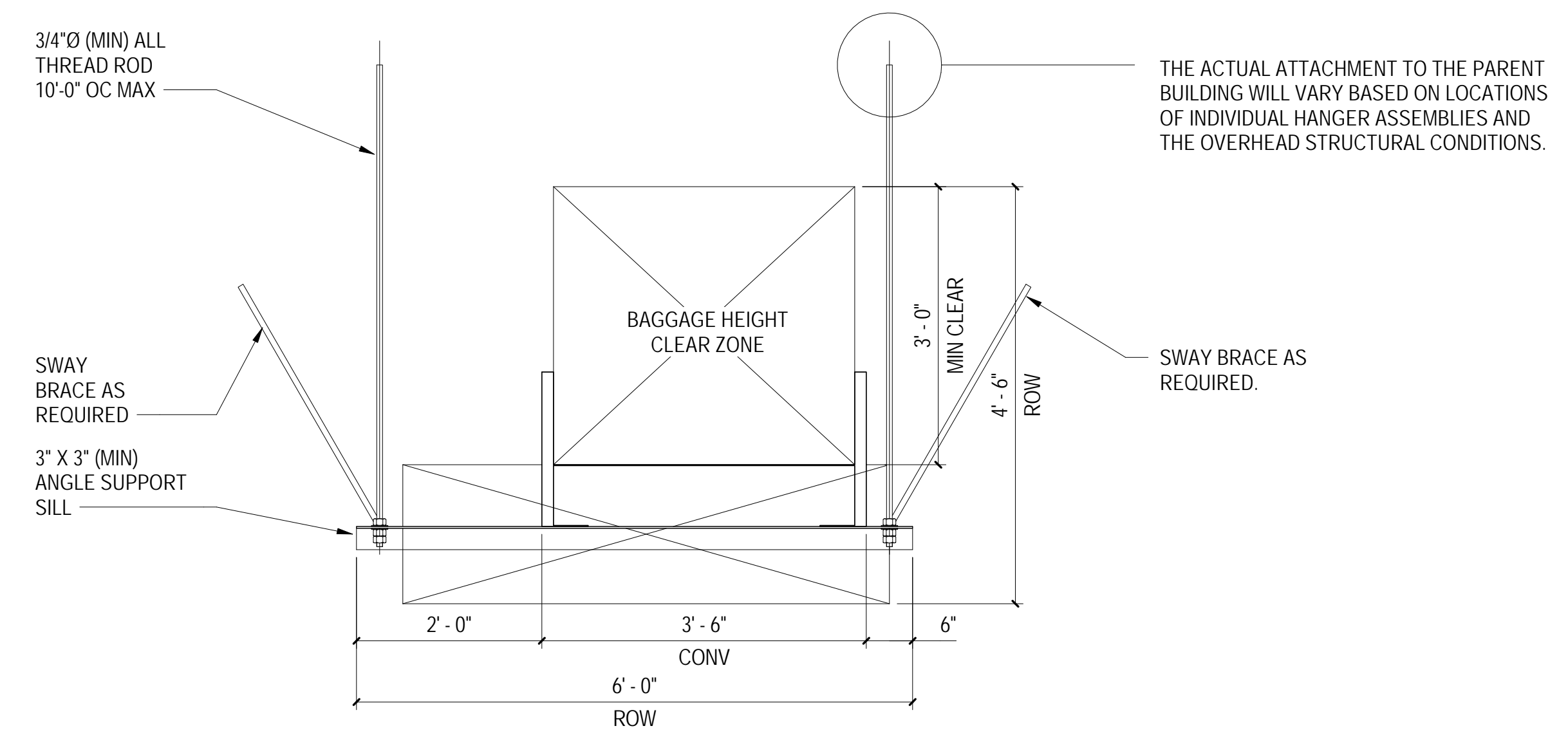
**BAGGAGE HANDLING EQUIPMENT TYPICAL CONVEYOR SUPPORTS AND ATTACHMENT DETAILS**

SHEET NUMBER

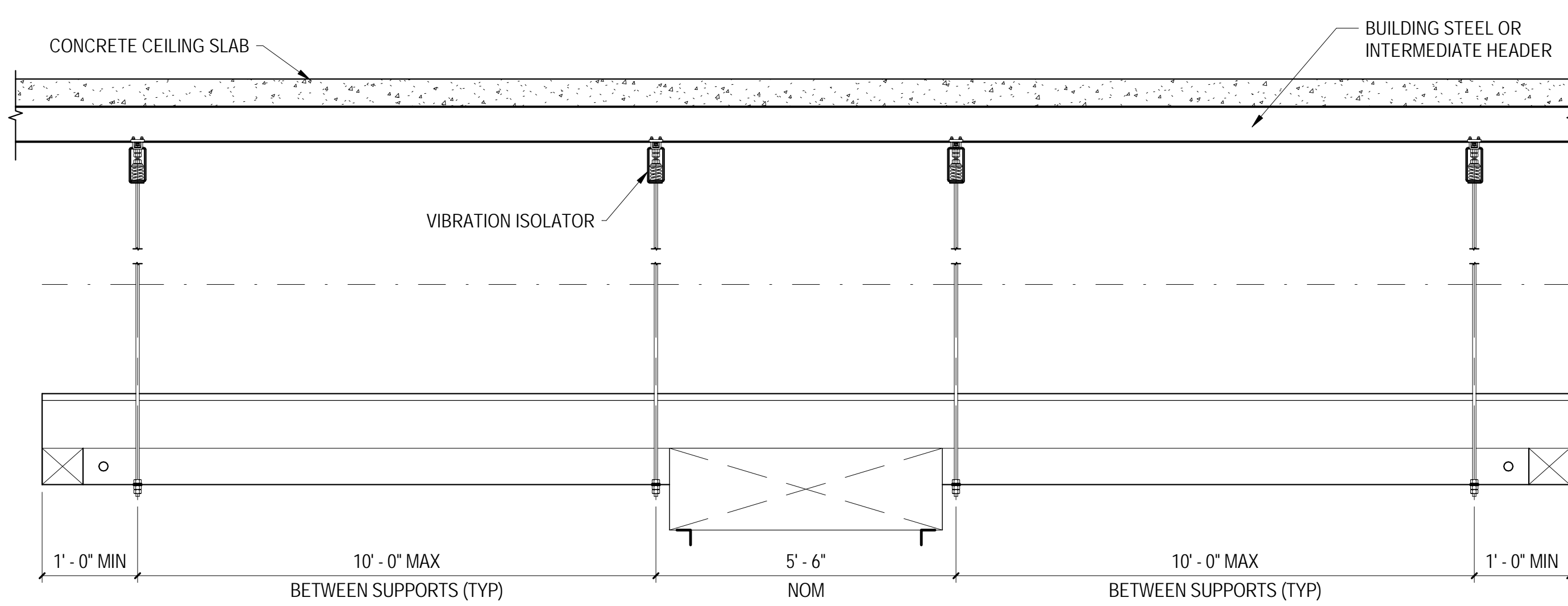
**B-501**



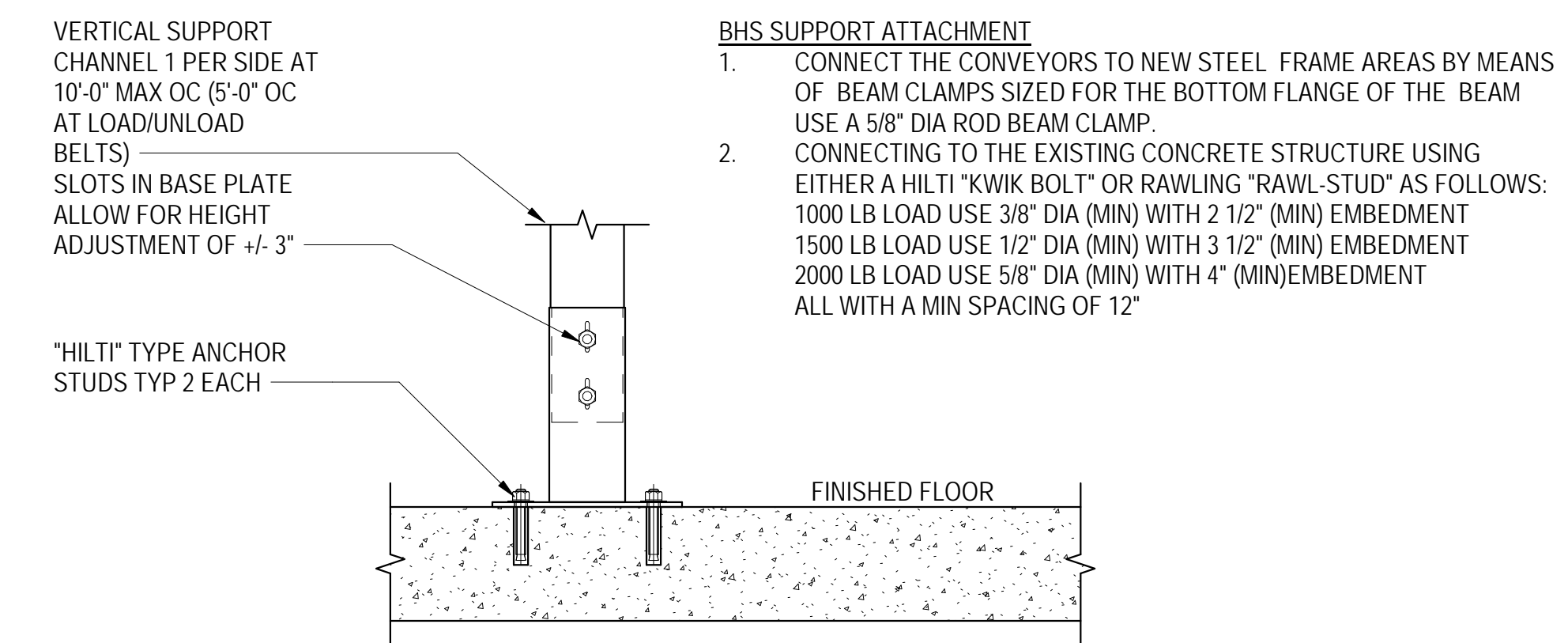
**1 CONVEYOR HANGER SILL SUPPORT**  
3/4" = 1'-0"



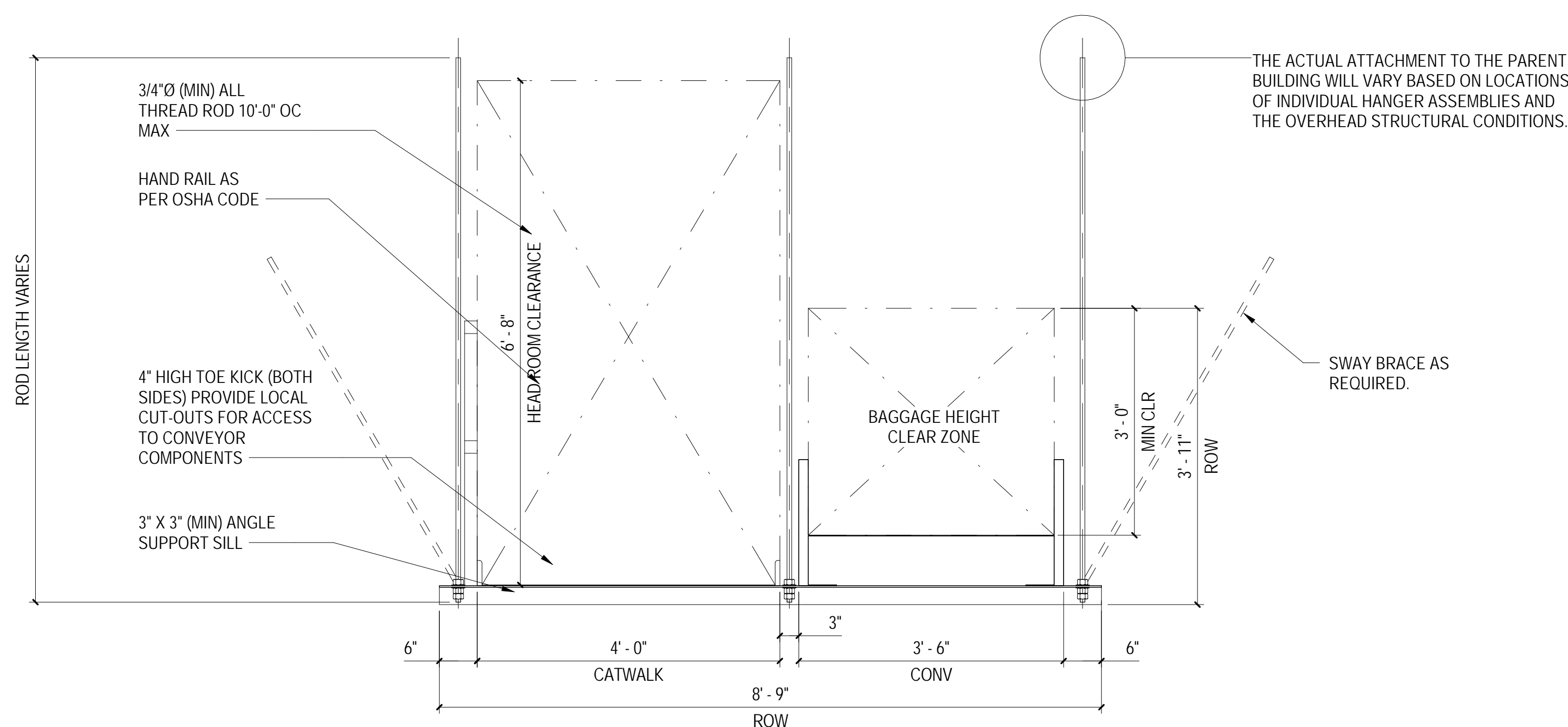
**2 CONVEYOR DRIVE HANGER SILL SUPPORT**  
3/4" = 1'-0"



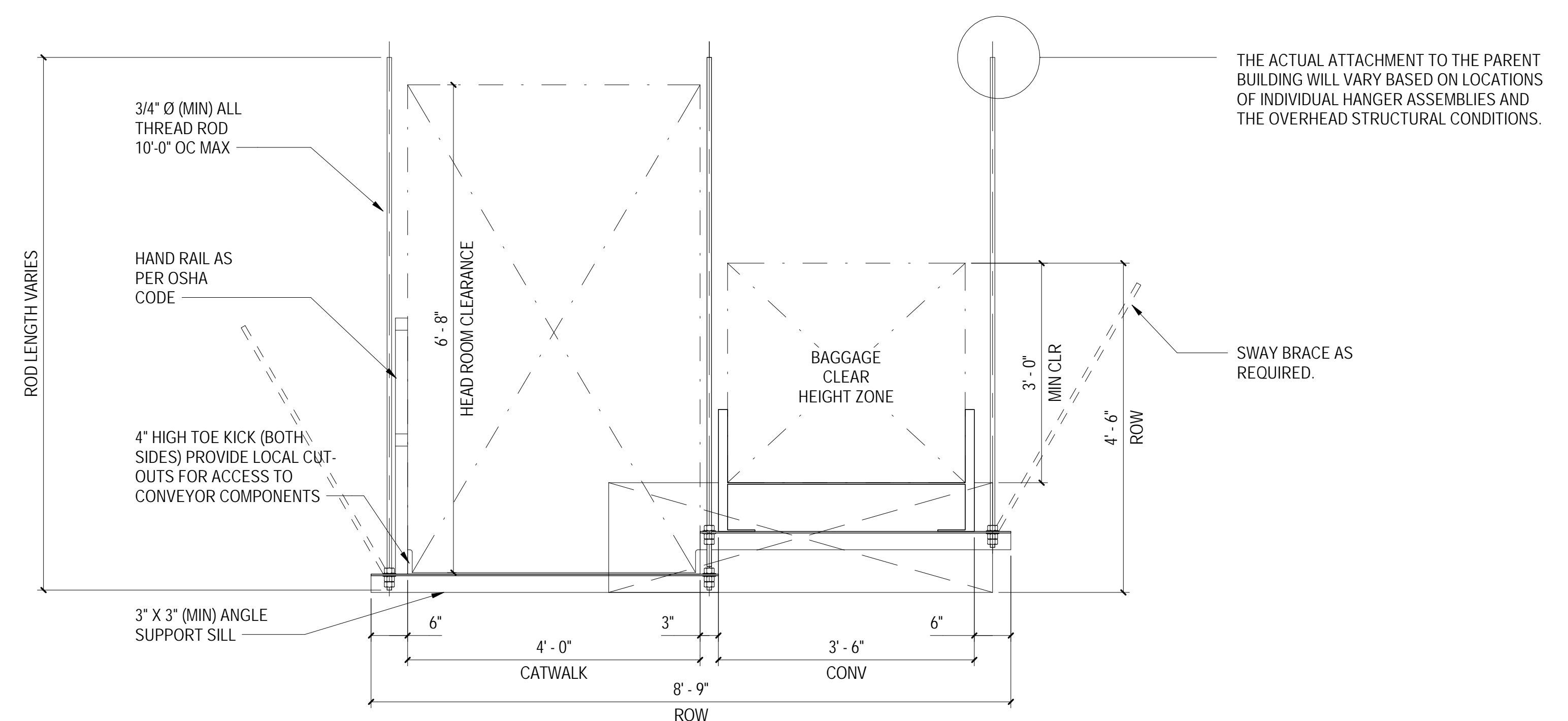
**3 HANGER SUPPORTED CONVEYOR USING 'UNI-STRUT' BEAM CLAMPS AND VIBRATION ISOLATORS**  
1/2" = 1'-0"



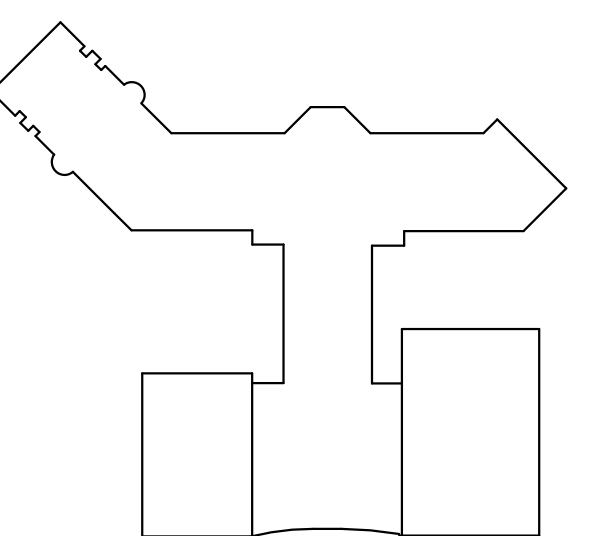
**4 FLOOR SUPPORTED CONVEYOR LEG ATTACHMENT**  
1 1/2" = 1'-0"



**5 CONVEYOR AND CATWALK HANGER SINGLE SILL SUPPORT**  
3/4" = 1'-0"



**6 CONVEYOR AND CATWALK HANGER DOUBLE SILL SUPPORT**  
3/4" = 1'-0"



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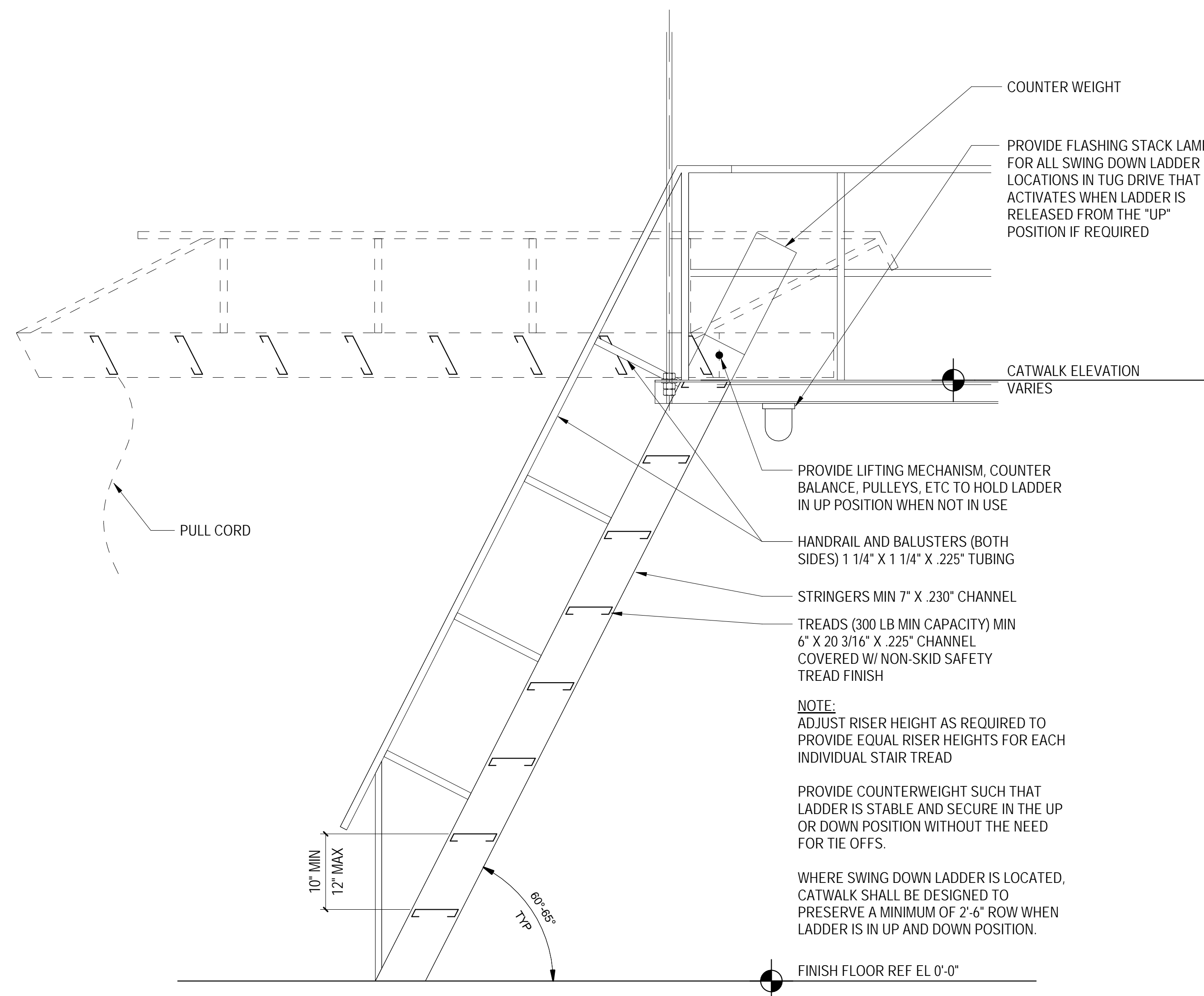
REVISIONS

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING EQUIPMENT TYPICAL LADDER AND STAIR LANDING DETAILS**

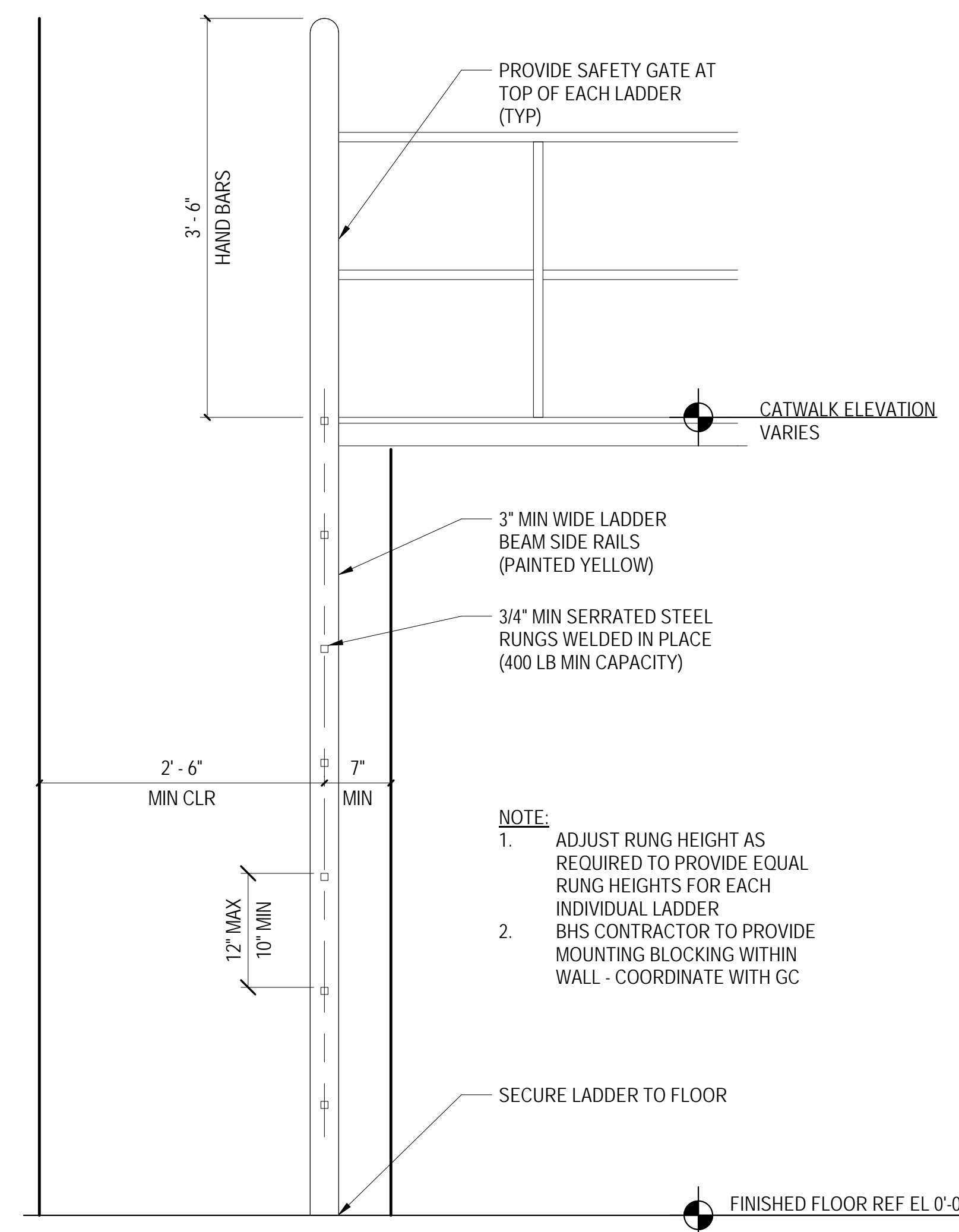
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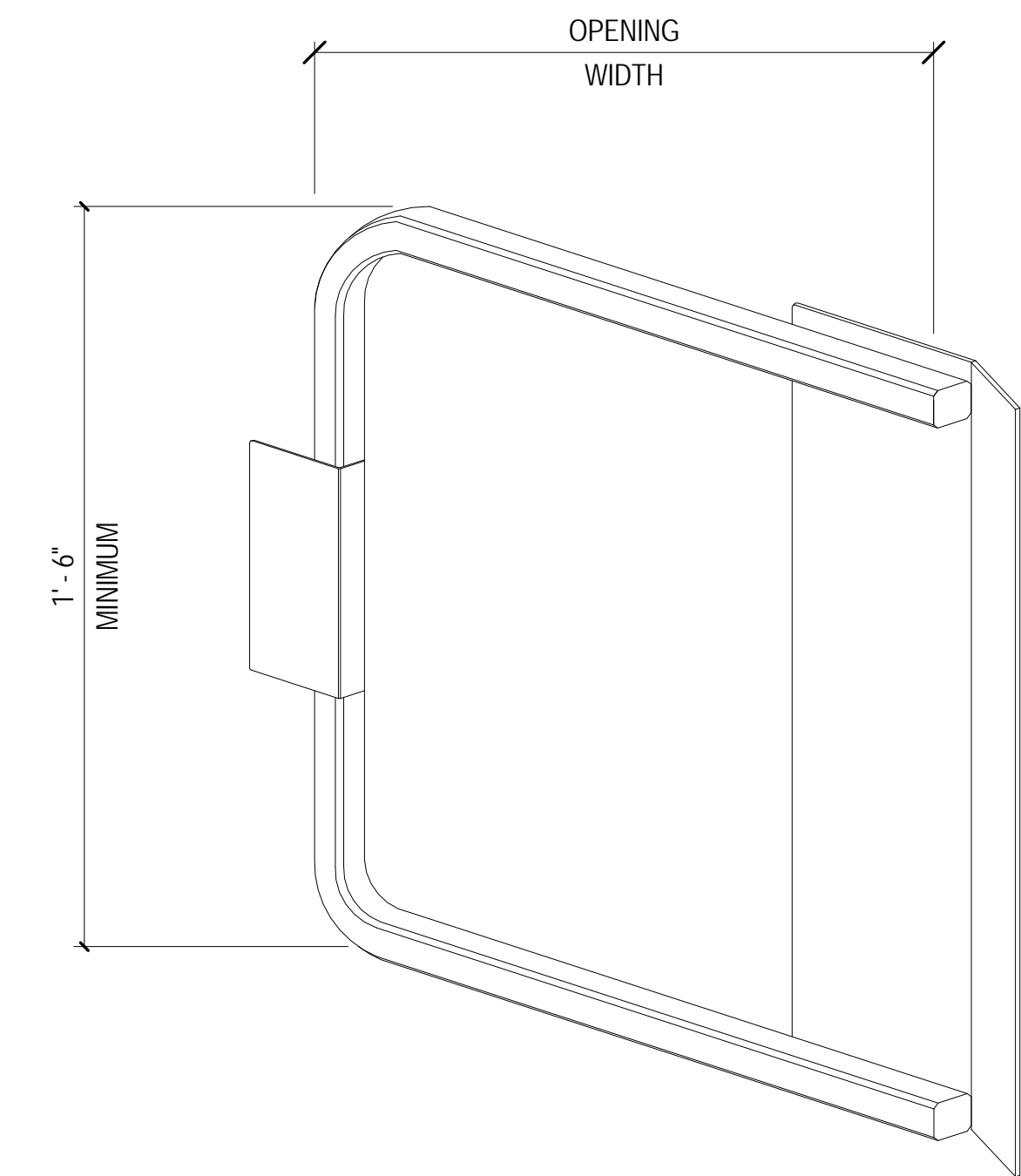
**1 ALUMINUM SWING-DOWN LADDER WITH COUNTERWEIGHT**

1" = 1'-0"



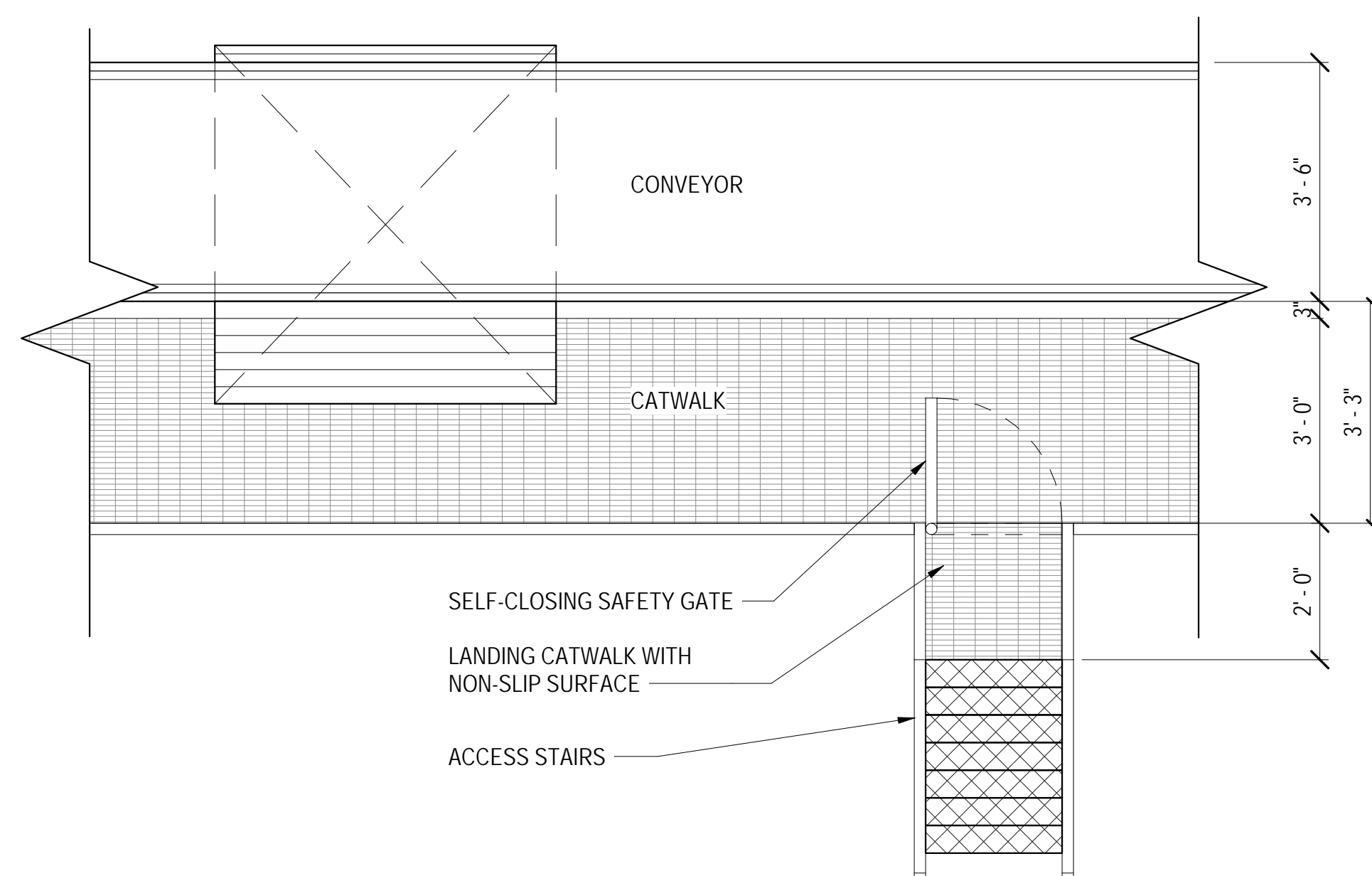
**2 VERTICAL LADDER FOR MAINTENANCE ACCESS**

1" = 1'-0"



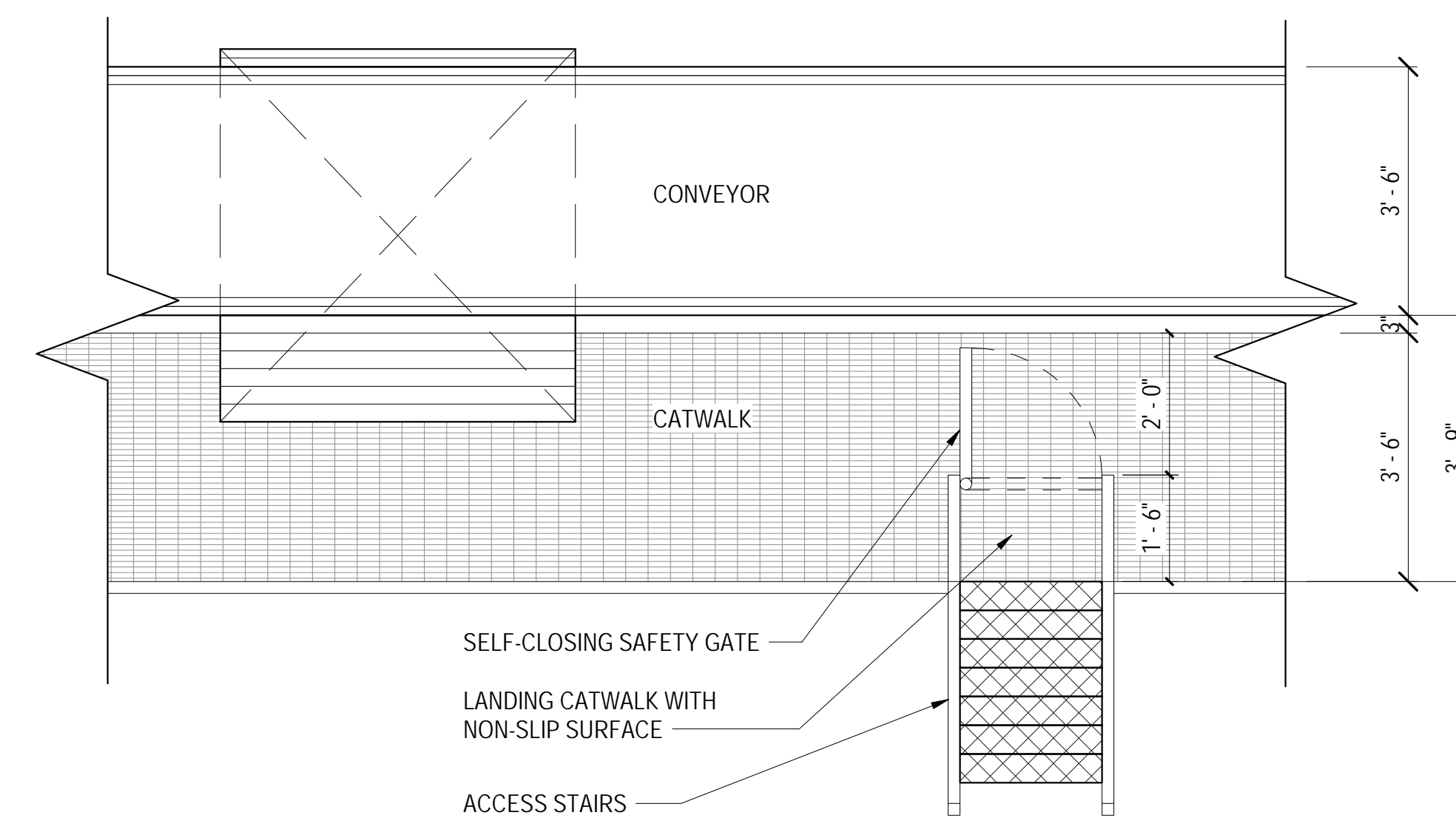
**3 SWING GATE**

3\"/>



**4 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE**

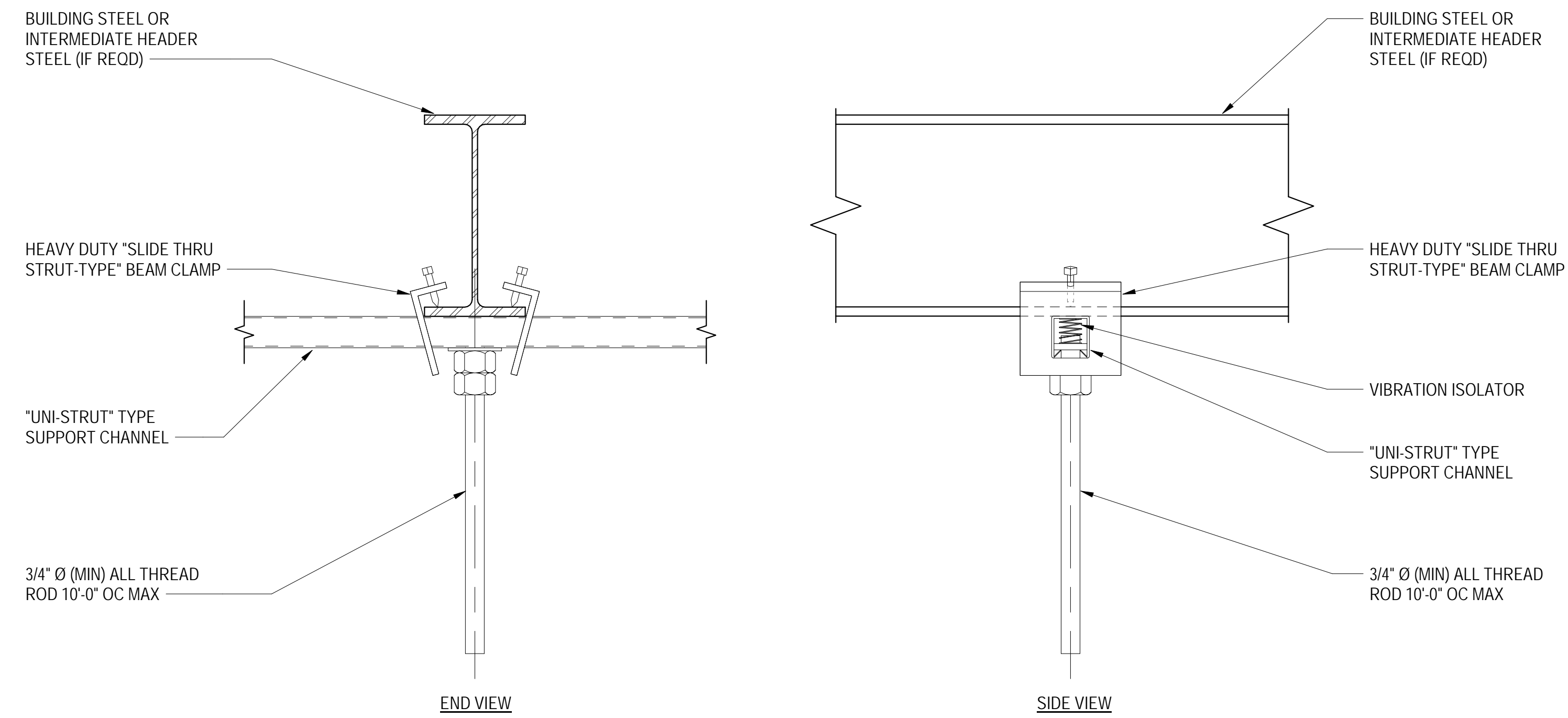
1/2\"/>



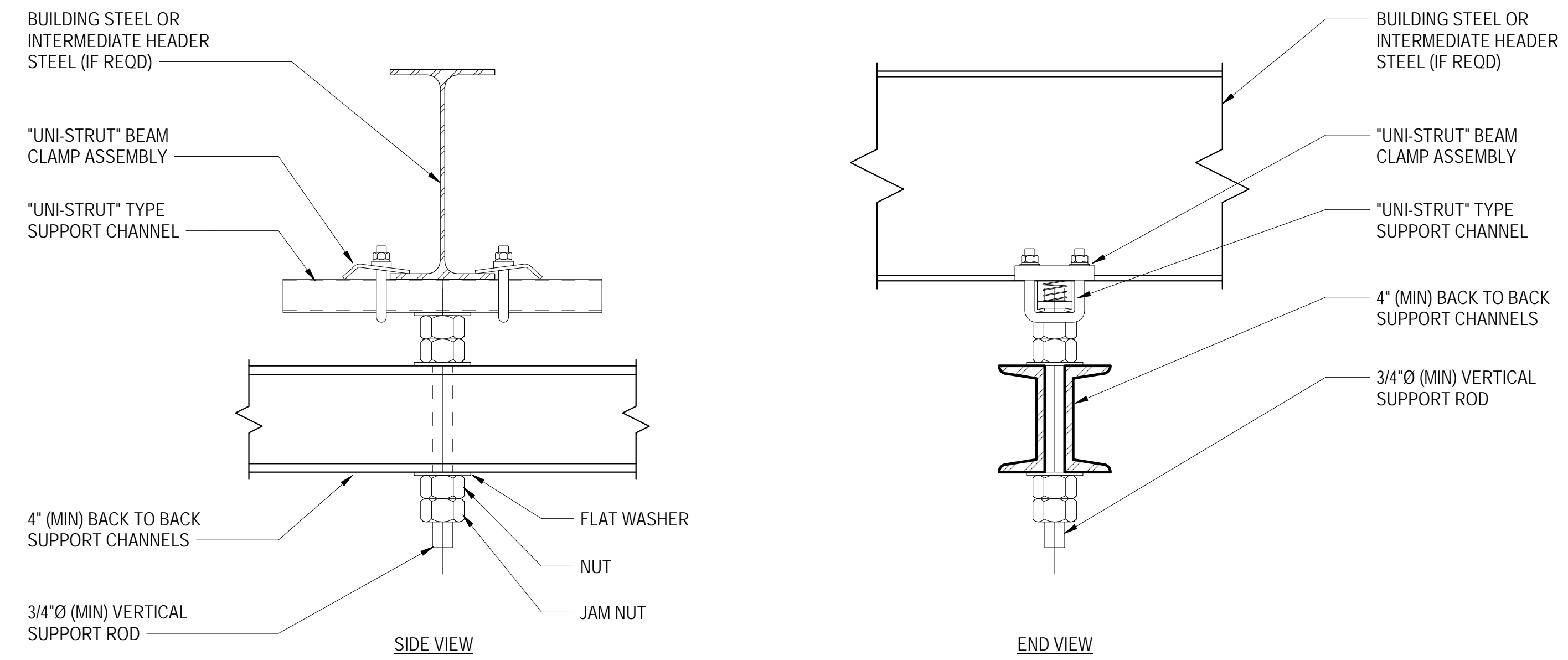
**5 OPTIONAL STAIR LANDING CONFIGURATION WITH SAFETY GATE**

1/2\"/>

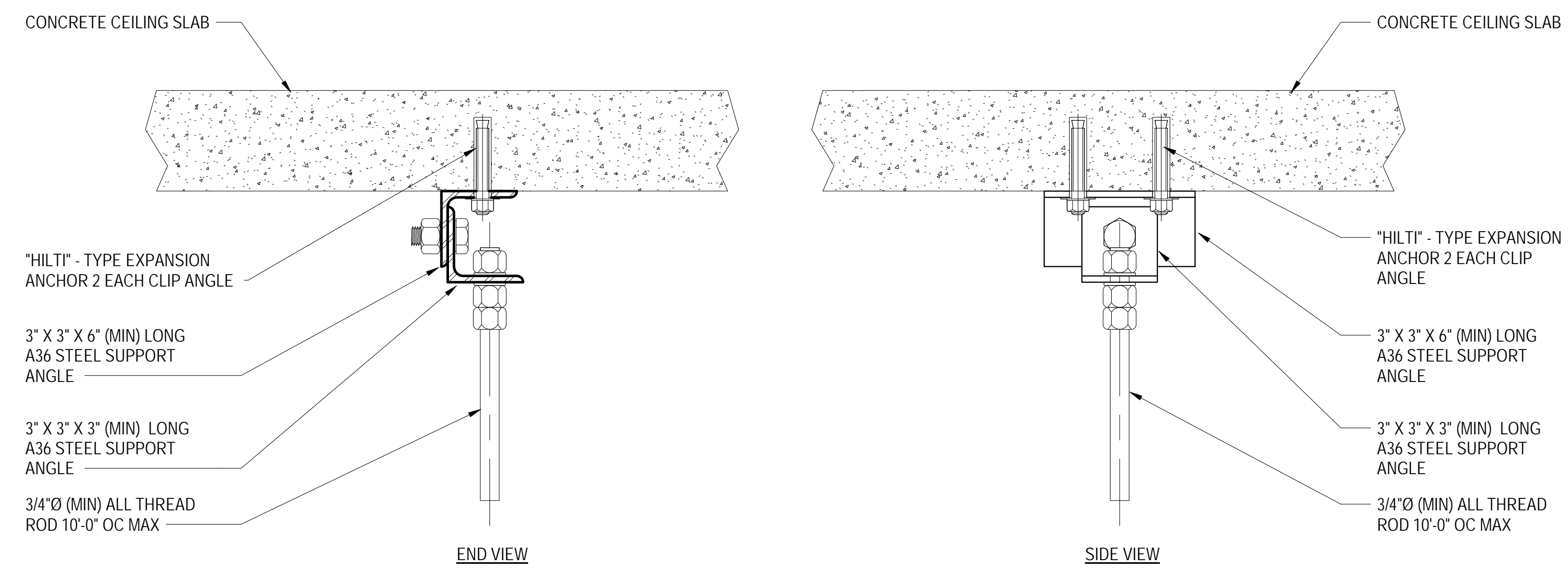




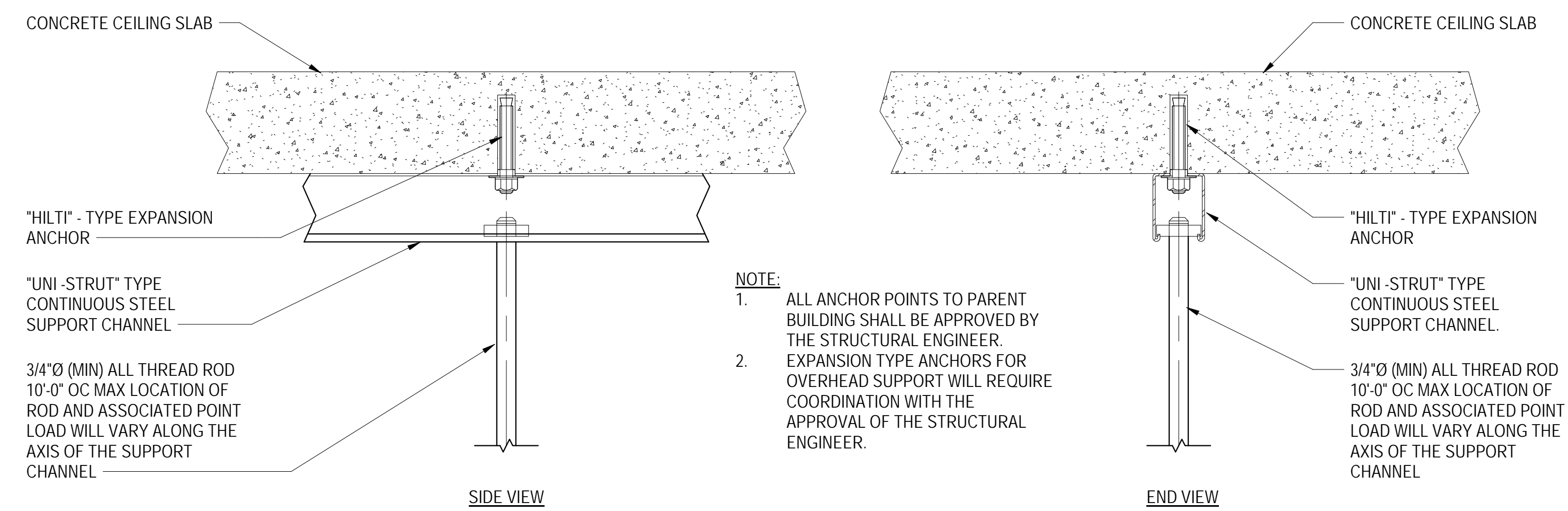
1 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP A  
3" = 1'-0"



2 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - BEAM CLAMP B  
3" = 1'-0"

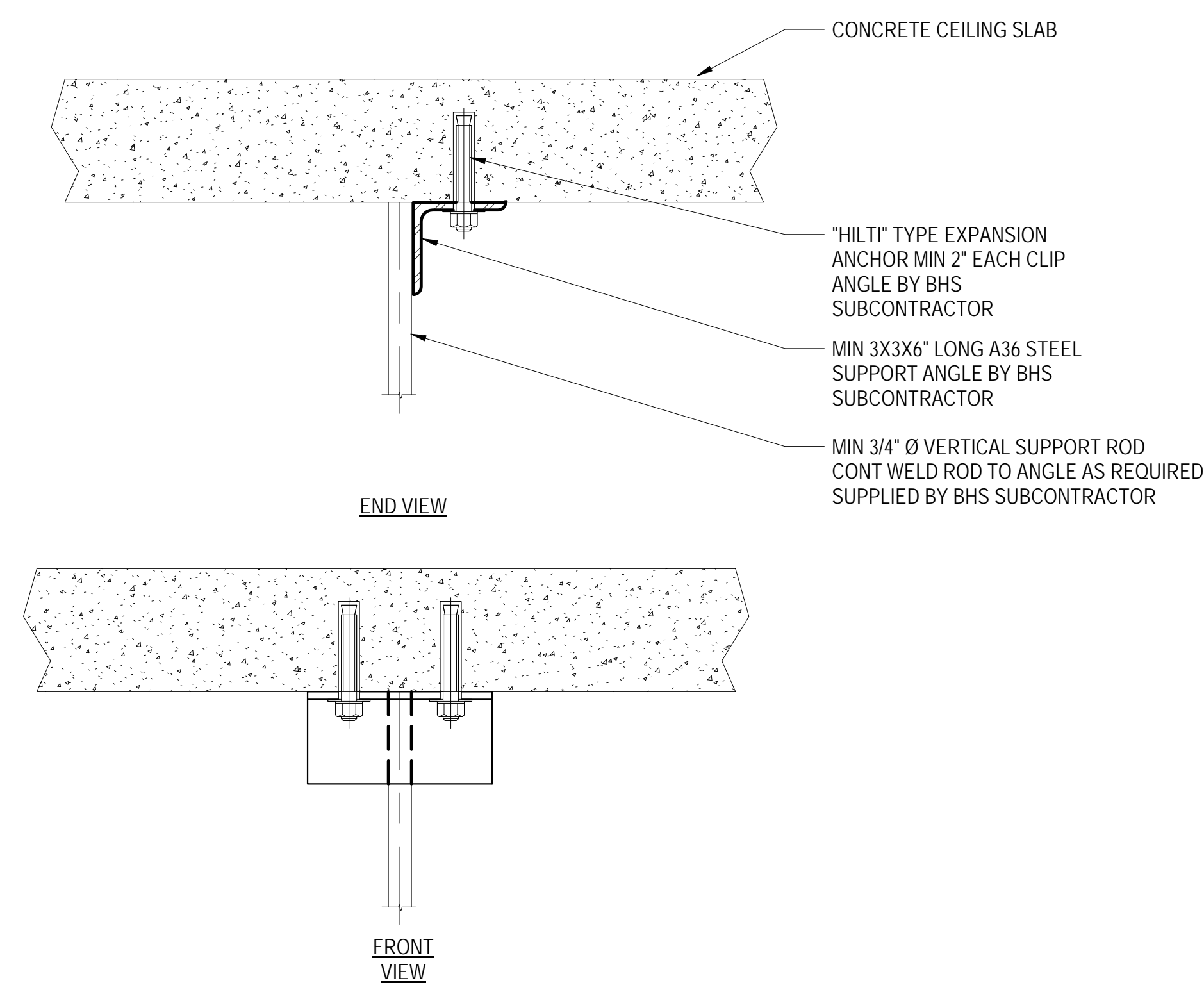


3 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE  
3" = 1'-0"

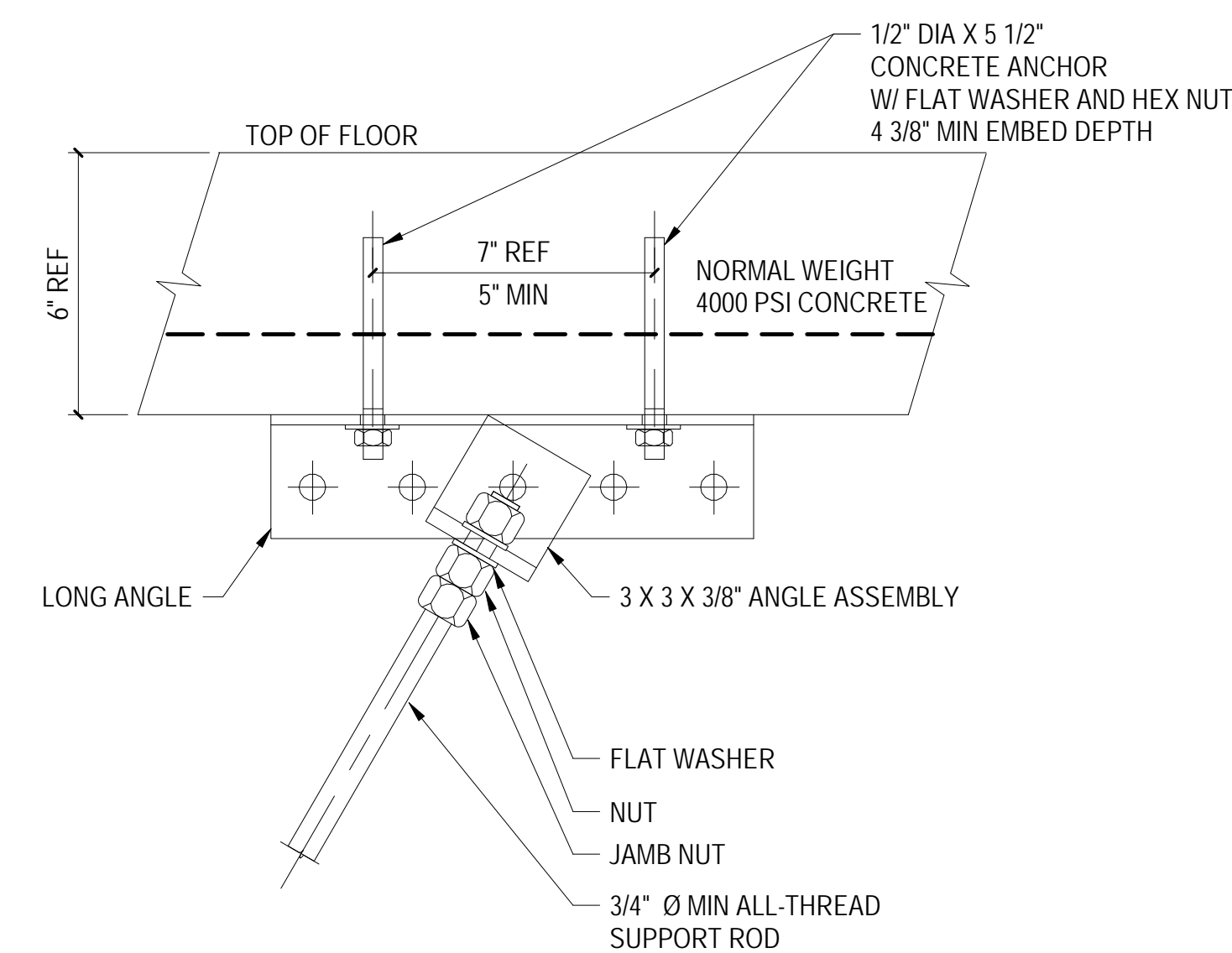


4 BHS SUPPLEMENTARY HEADER STEEL ATTACHMENT DETAIL - CONCRETE SLAB A  
3" = 1'-0"

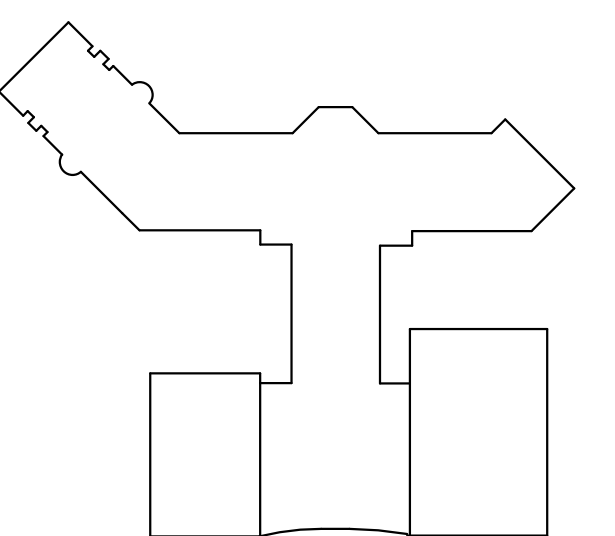
NOTE:  
1. ALL ANCHOR POINTS TO PARENT BUILDING SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.  
2. EXPANSION TYPE ANCHORS FOR OVERHEAD SUPPORT WILL REQUIRE COORDINATION WITH THE APPROVAL OF THE STRUCTURAL ENGINEER.



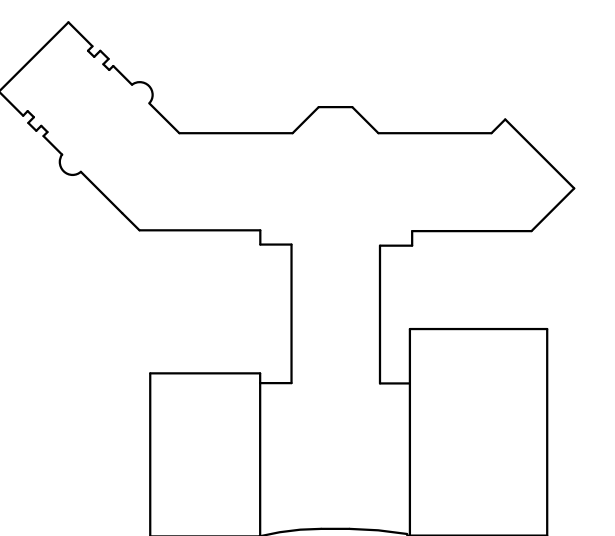
5 BHS SUPPLEMENTARY ATTACHMENT DETAIL AT STEEL SUPPORT ANGLE  
3" = 1'-0"



6 TYPICAL SWAY BRACE CONNECTION TO CONCRETE DECK  
3" = 1'-0"

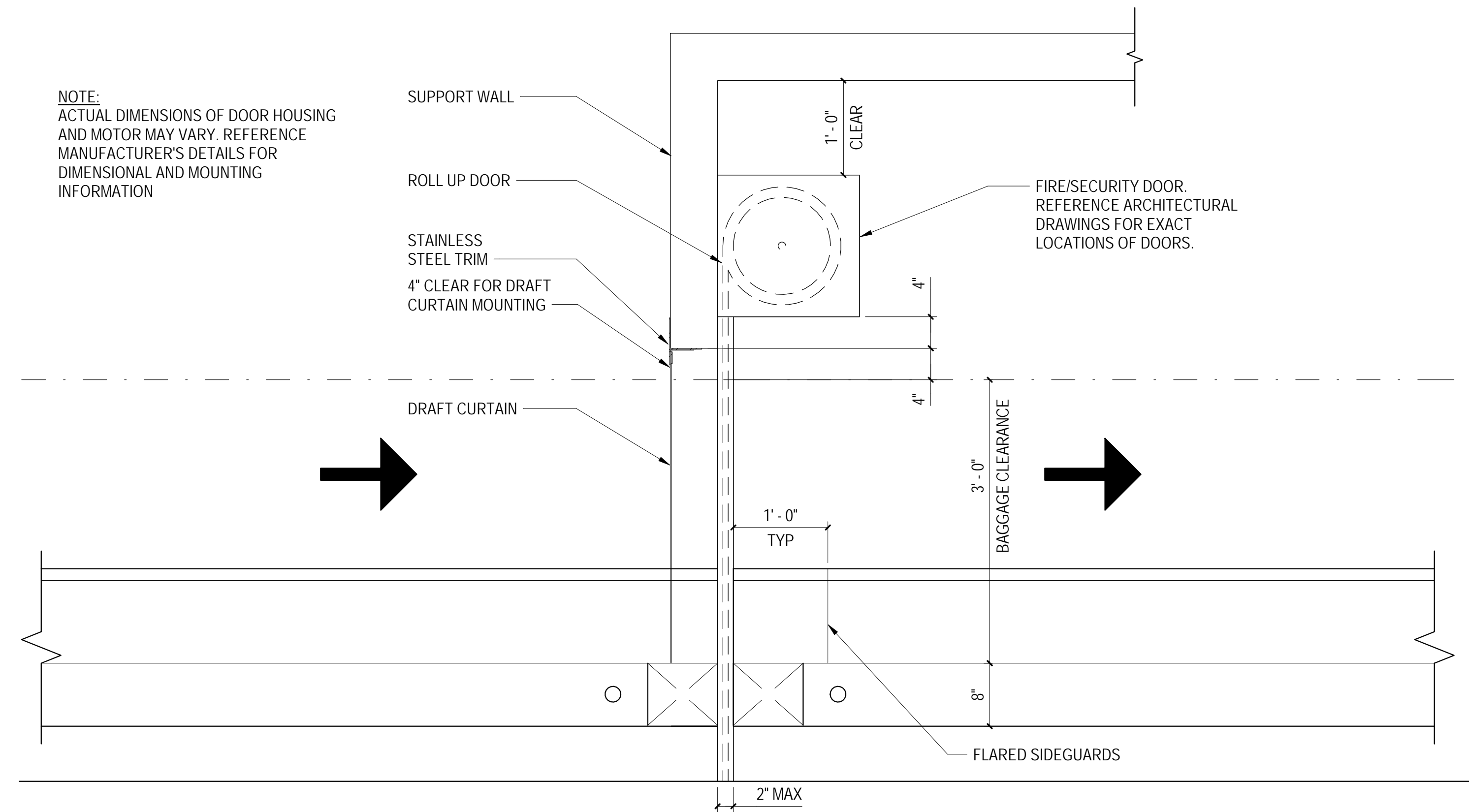


KEY PLAN

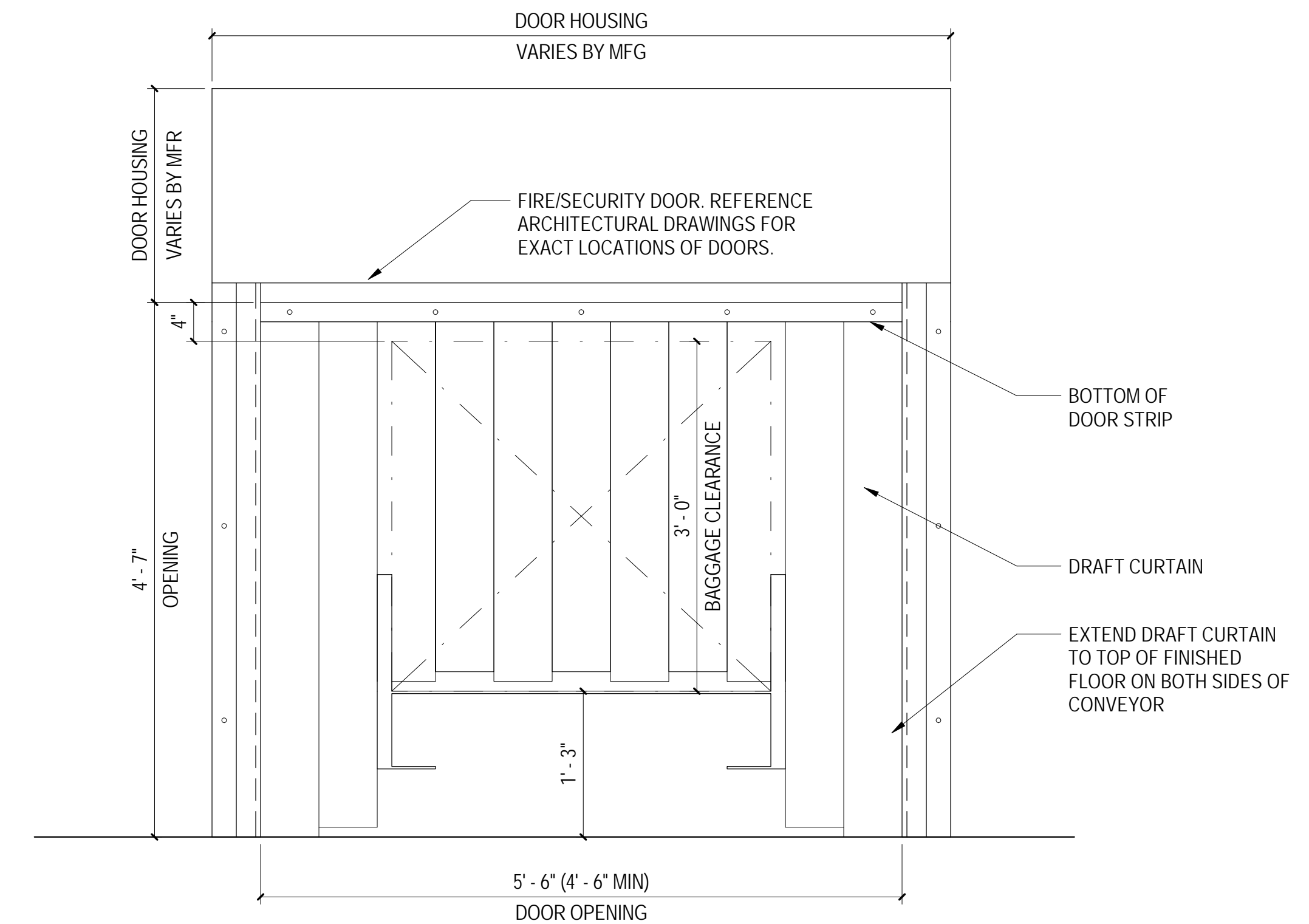


**KEY PLAN**

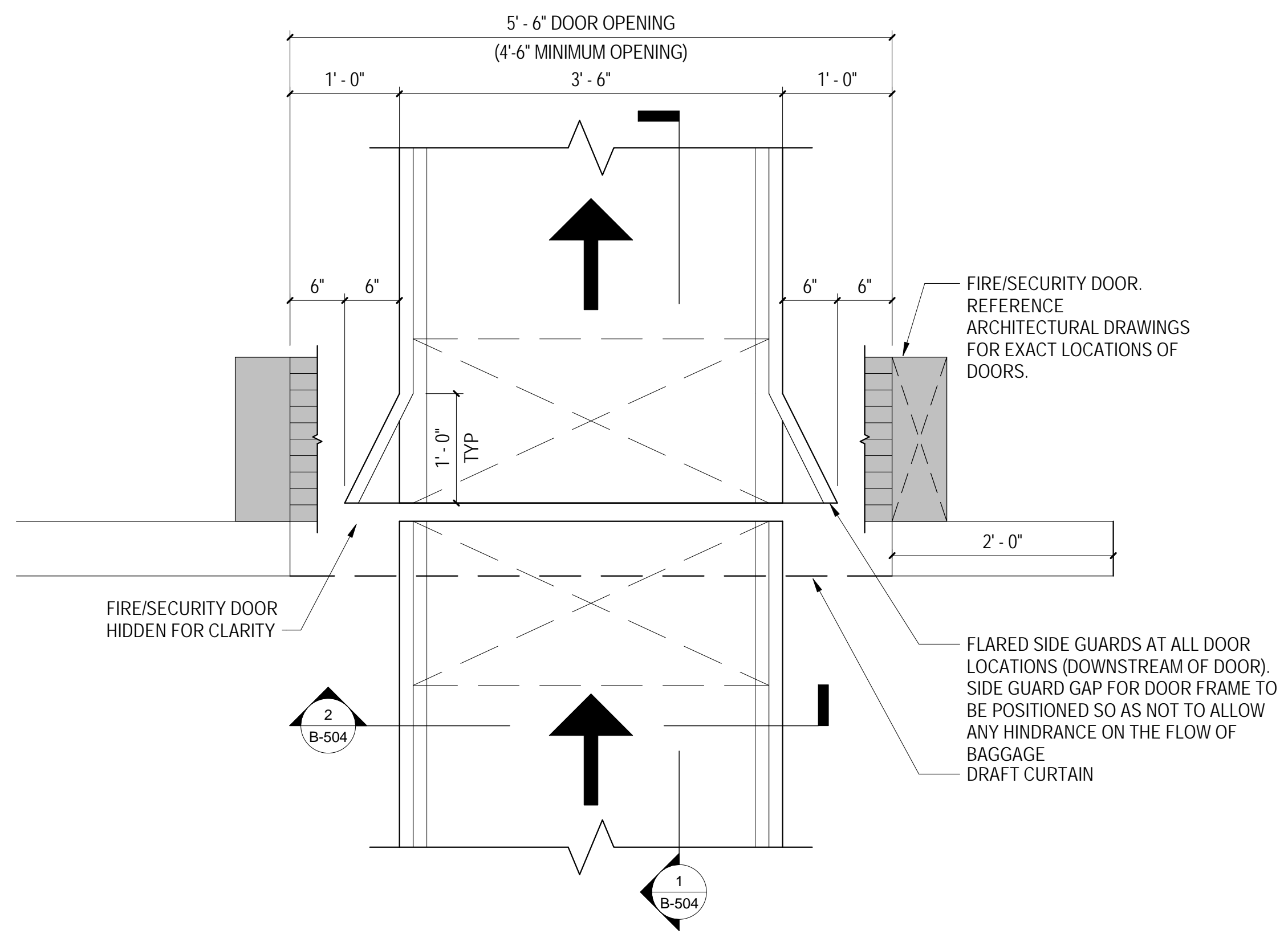
**NOTE:**  
ACTUAL DIMENSIONS OF DOOR HOUSING  
AND MOTOR MAY VARY. REFERENCE  
MANUFACTURER'S DETAILS FOR  
DIMENSIONAL AND MOUNTING  
INFORMATION



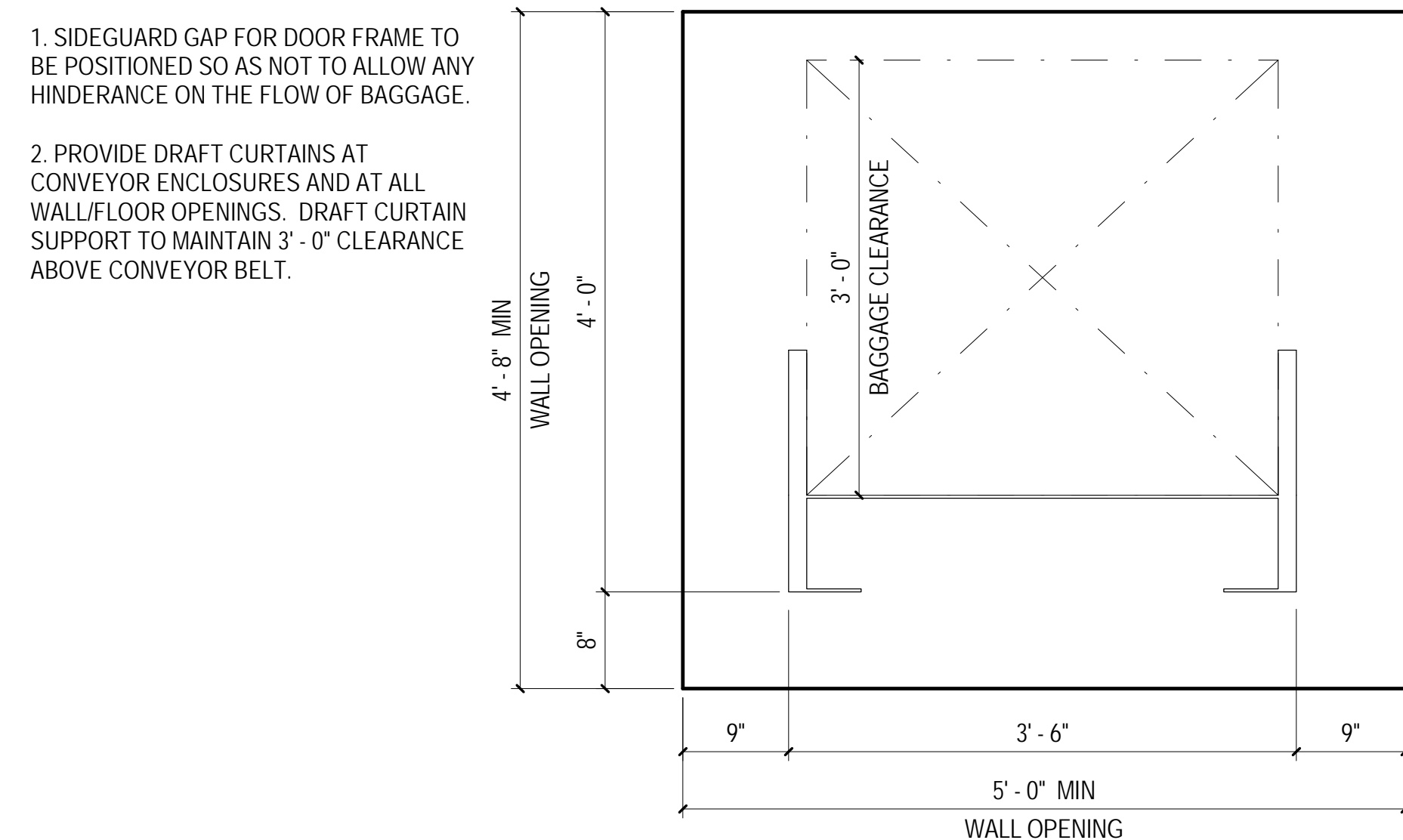
**1 TYPICAL FIRE / SECURITY DOOR MOUNTING**  
1\"/>



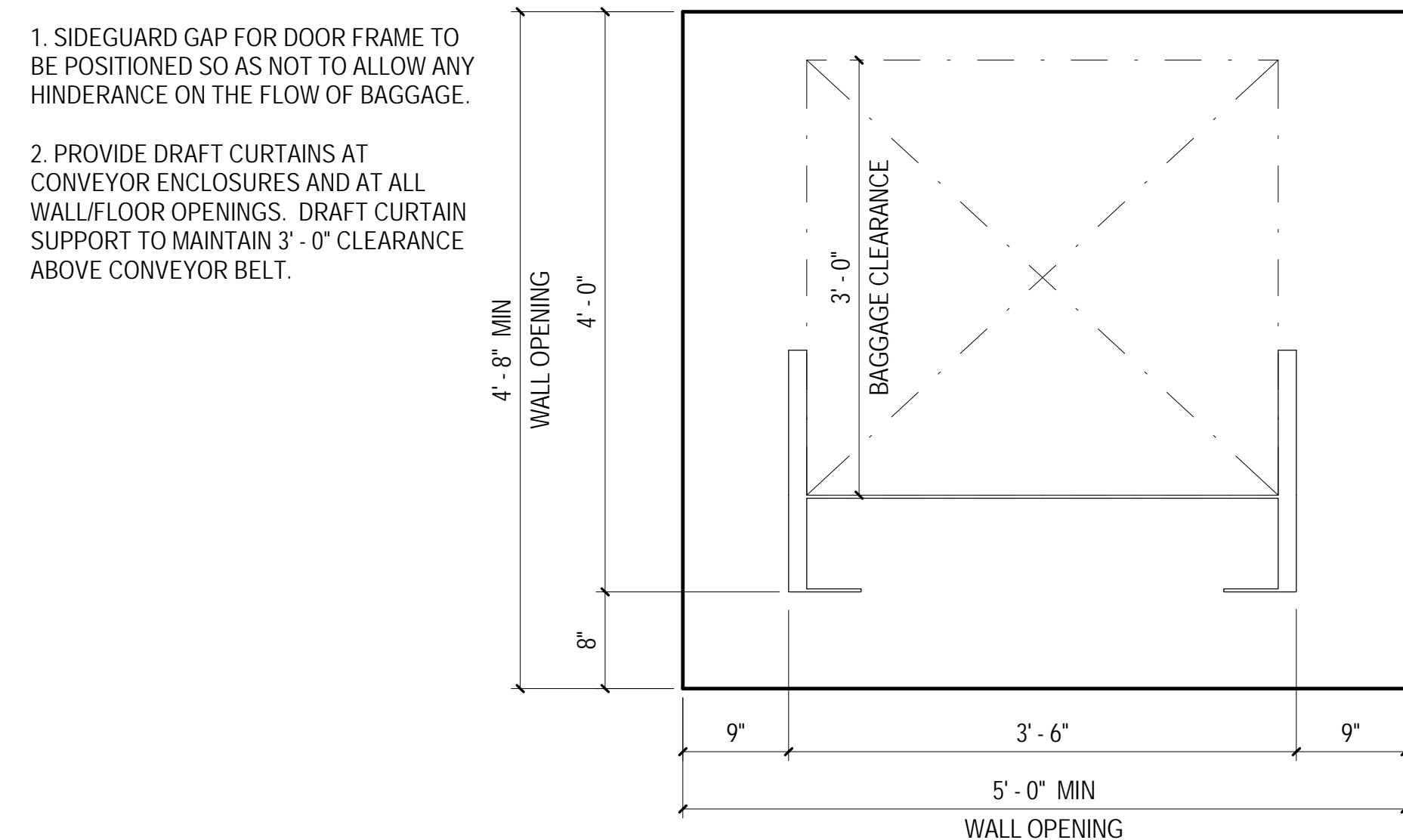
**2 DOOR OPENING AT FIRE / SECURITY DOOR**  
1\"/>



**3 FLARED SIDE GUARD FOR CONVEYOR GAP AT FIRE/SECURITY DOOR**  
1\"/>

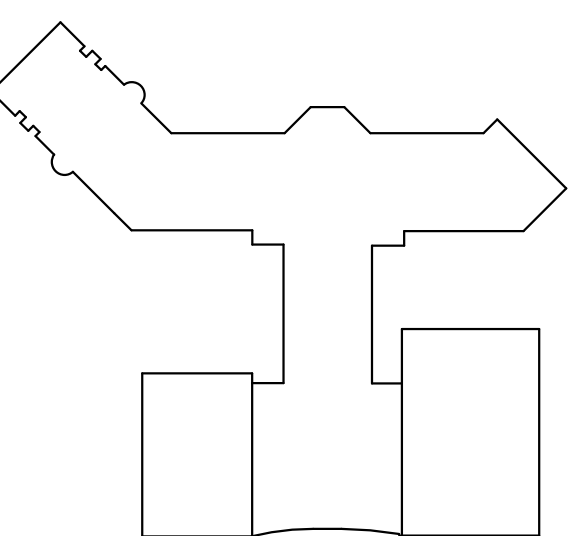


**4 TYPICAL DRAFT CURTAIN MOUNTING**  
6\"/>



**5 TYPICAL CONVEYOR OPENING**  
1\"/>

1. SIDE GUARD 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\"/>



**KEY PLAN**

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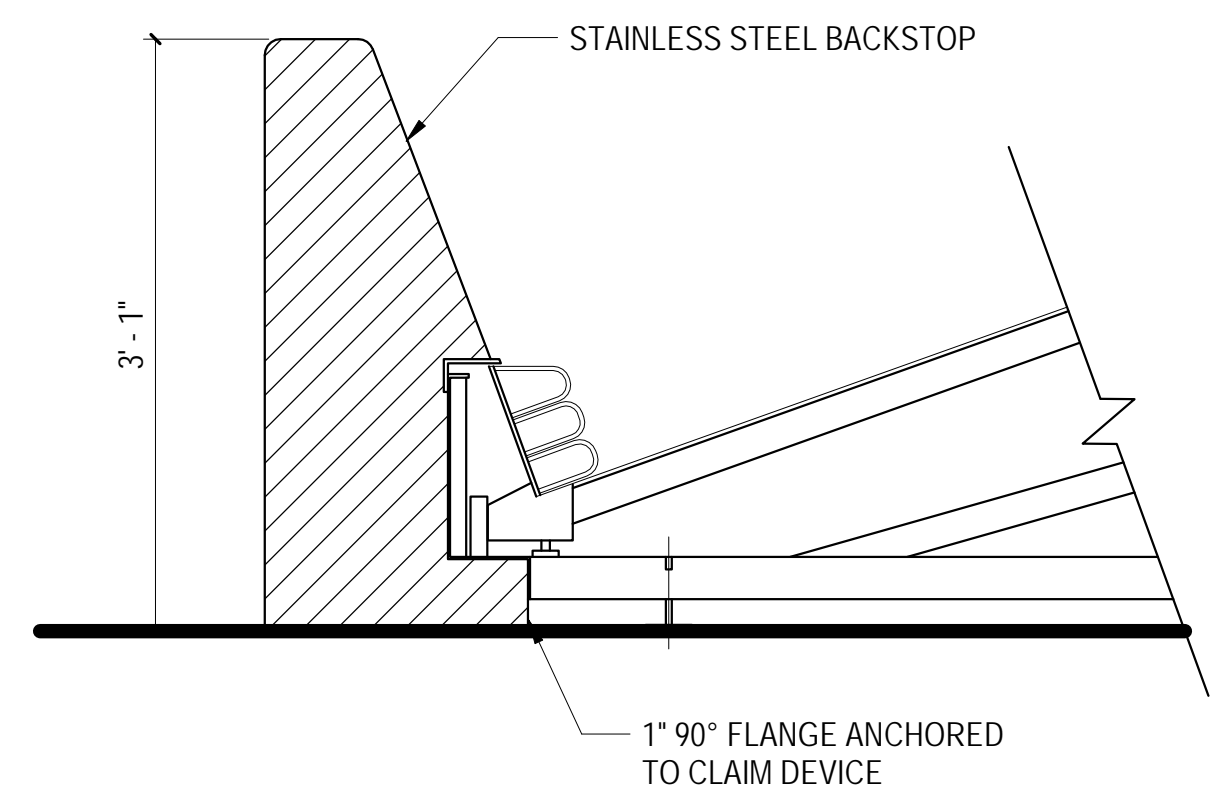
REVISIONS

DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

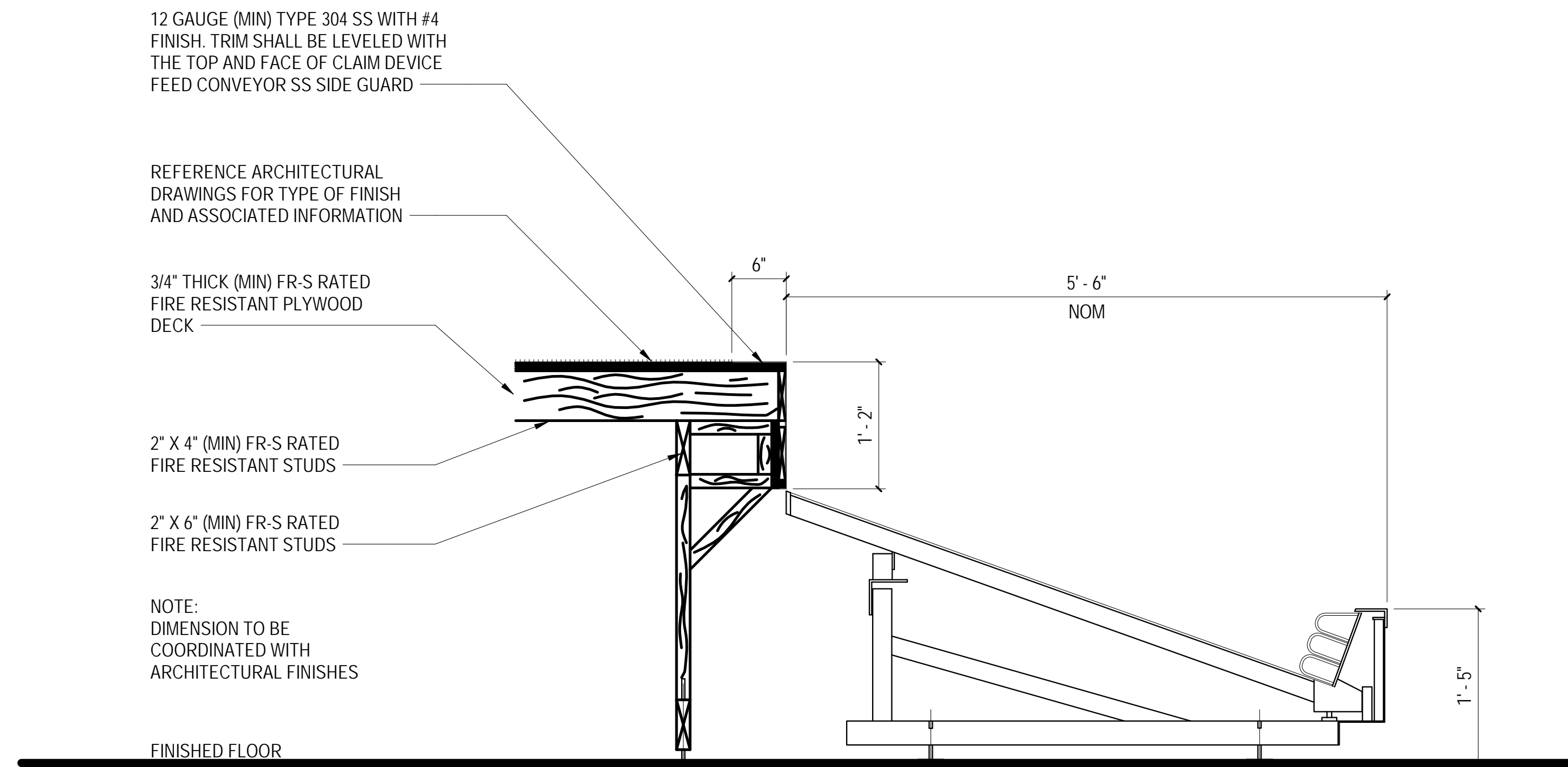
**BAGGAGE HANDLING  
EQUIPMENT TYPICAL  
INCLINE PLATE CLAIM  
DEVICE DETAILS**

SHEET NUMBER

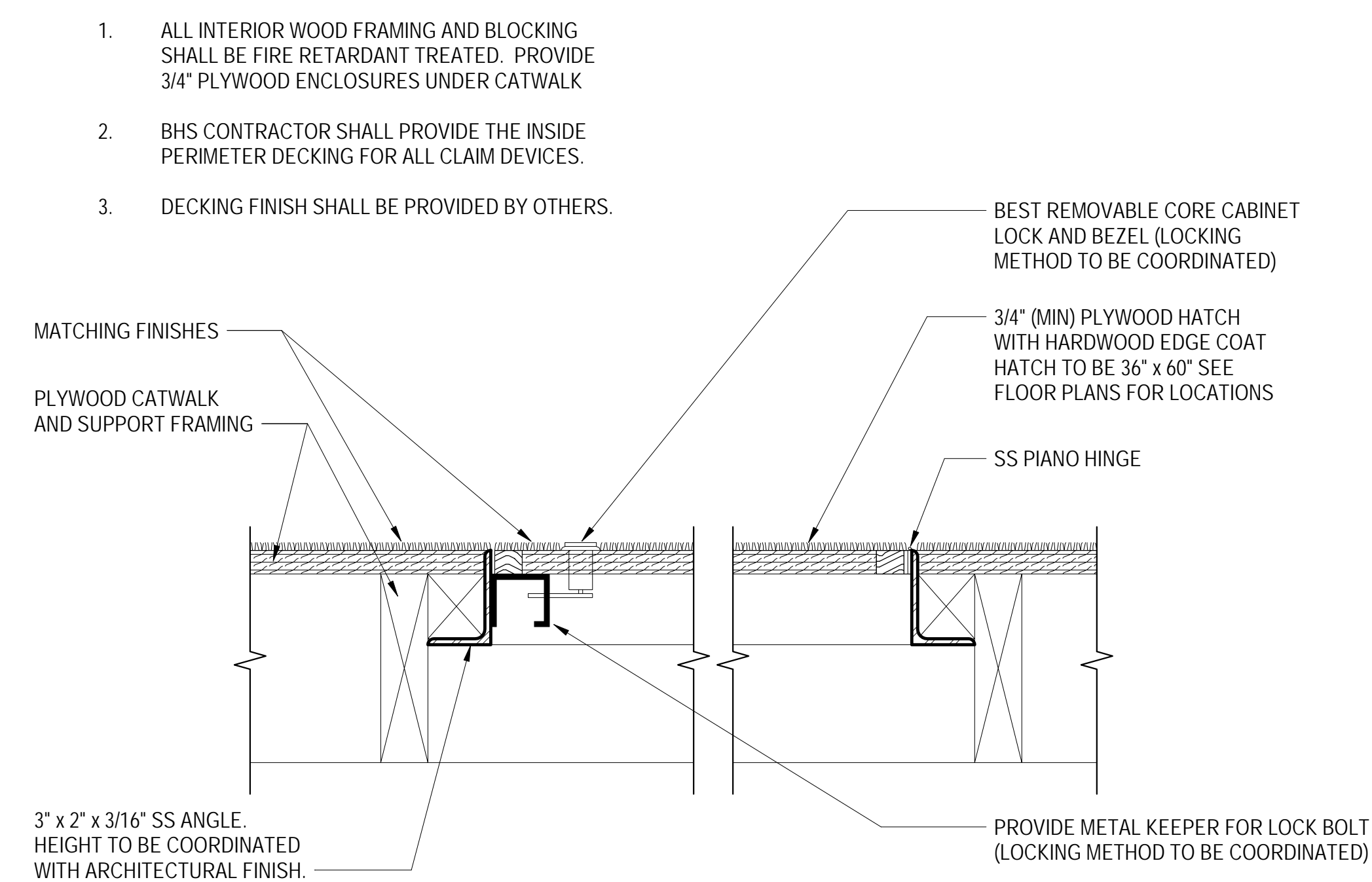
**B-505**



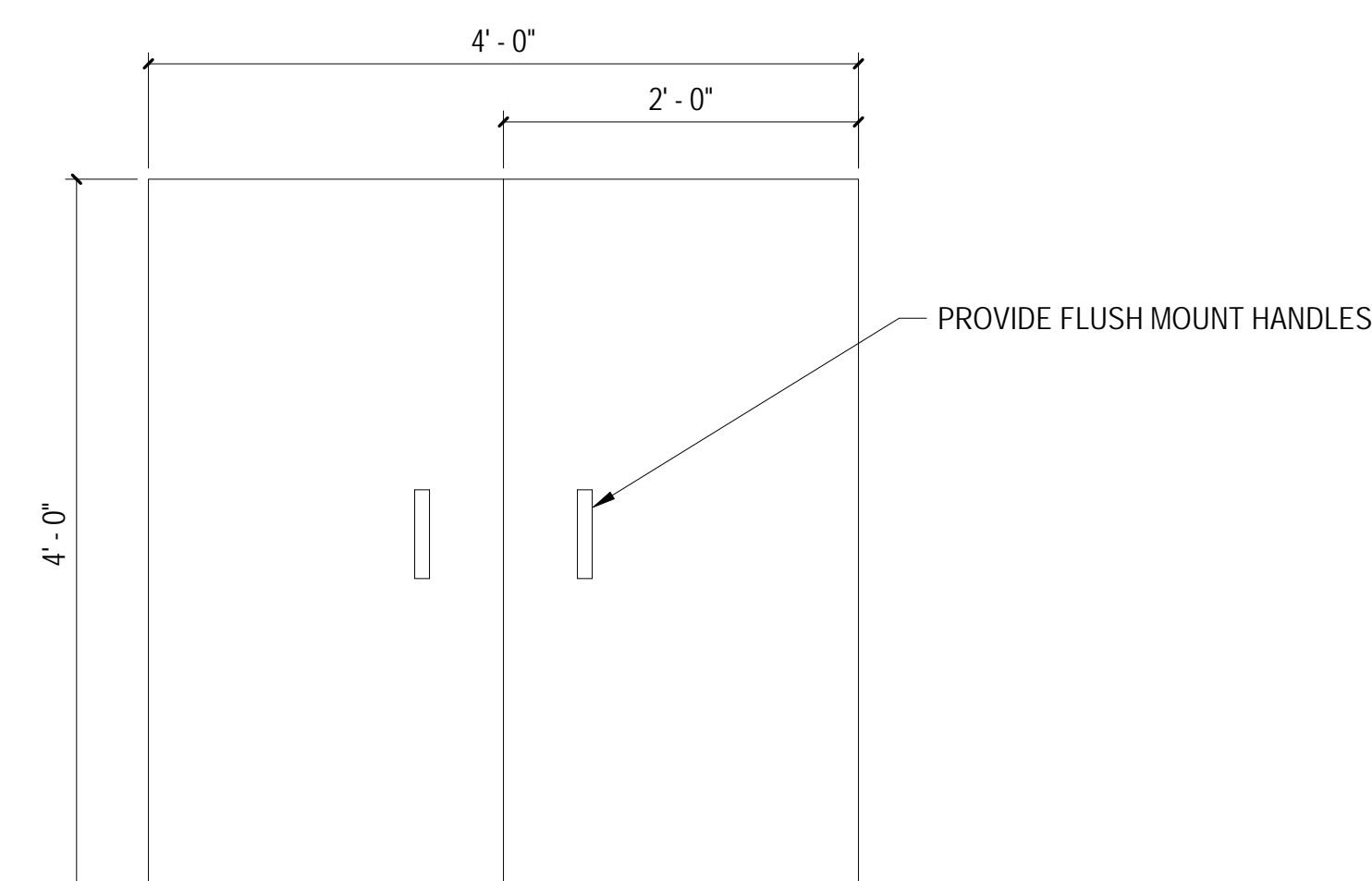
**1 INCLINE PLATE CLAIM UNIT WITH BACK-STOP**  
1" = 1'-0"



**2 CLAIM DEVICE INTERIOR DECKING**  
1" = 1'-0"



**3 CLAIM DEVICE HATCH FRAMING**  
3" = 1'-0"



**4 CLAIM DEVICE HATCH**  
1" = 1'-0"

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

12 GAUGE (MIN) TYPE 304 SS WITH #4  
FINISH TRIM SHALL BE LEVELED WITH  
THE TOP AND FACE OF CLAIM DEVICE  
FEED CONVEYOR SS SIDE GUARD

REFERENCE ARCHITECTURAL  
DRAWINGS FOR TYPE OF FINISH  
AND ASSOCIATED INFORMATION

3/4" THICK (MIN) FR-S RATED  
FIRE RESISTANT PLYWOOD  
DECK

2" X 4" (MIN) FR-S RATED  
FIRE RESISTANT STUDS

2" X 6" (MIN) FR-S RATED  
FIRE RESISTANT STUDS

NOTE:  
DIMENSION TO BE  
COORDINATED WITH  
ARCHITECTURAL FINISHES

FINISHED FLOOR

BEST REMOVABLE CORE CABINET  
LOCK AND BEZEL (LOCKING  
METHOD TO BE COORDINATED)

3/4" (MIN) PLYWOOD HATCH  
WITH HARDWOOD EDGE COAT  
HATCH TO BE 36" X 60" SEE  
FLOOR PLANS FOR LOCATIONS

SS PIANO HINGE

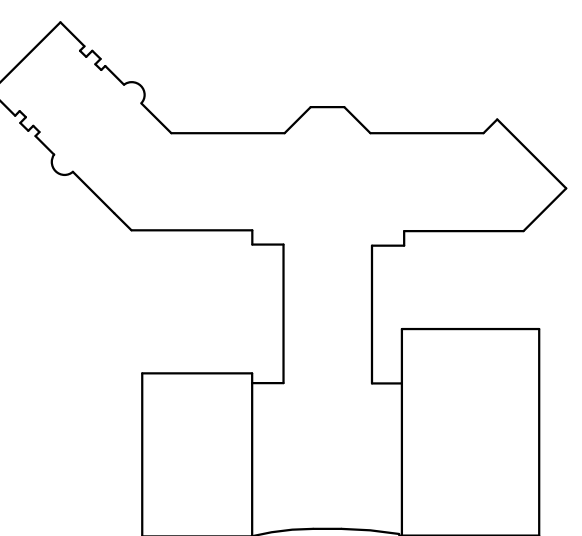
MATCHING FINISHES

PLYWOOD CATWALK  
AND SUPPORT FRAMING

3" X 2" X 3/16" SS ANGLE.  
HEIGHT TO BE COORDINATED  
WITH ARCHITECTURAL FINISH.

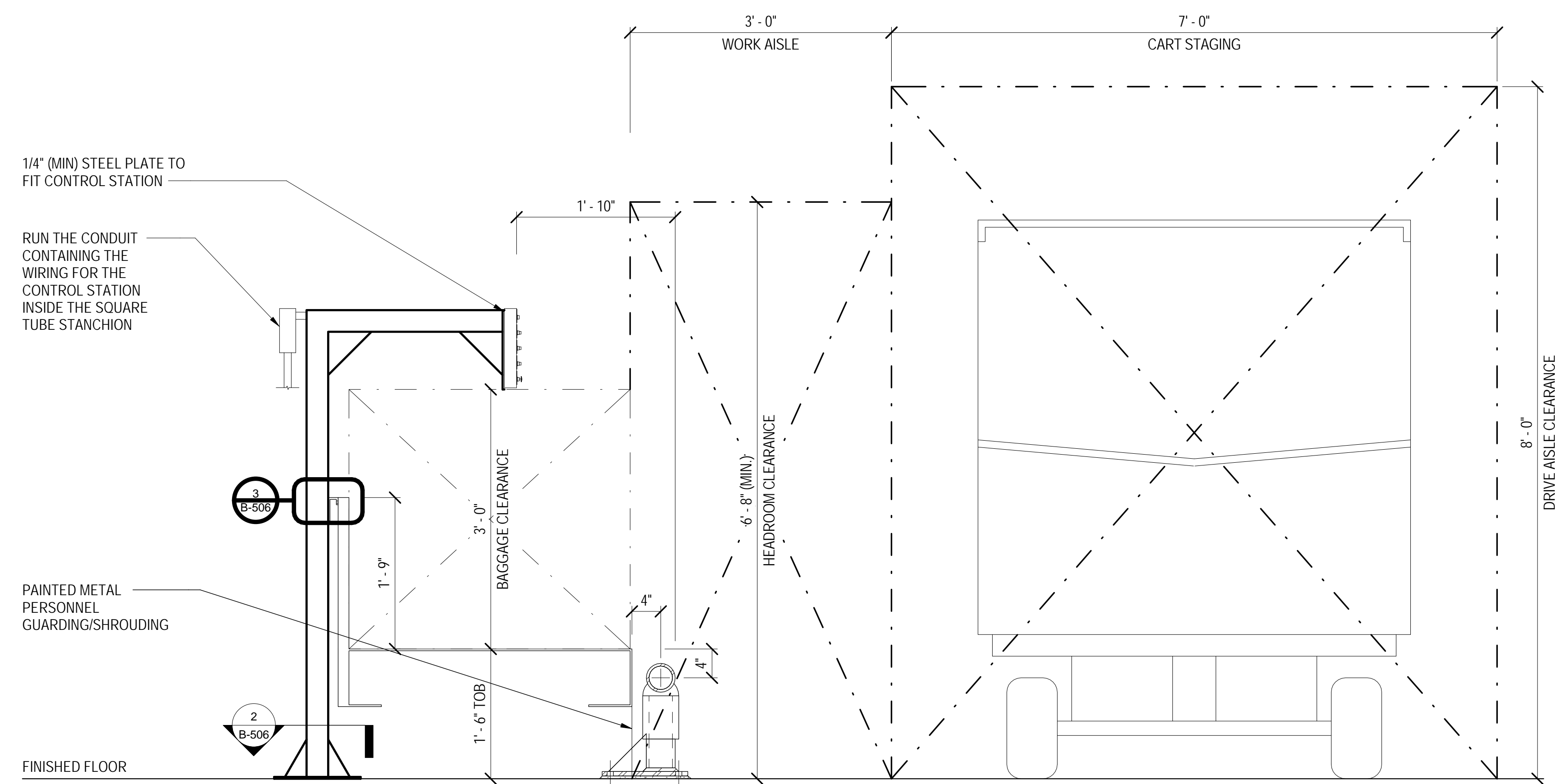
PROVIDE METAL KEEPER FOR LOCK BOLT  
(LOCKING METHOD TO BE COORDINATED)

PROVIDE FLUSH MOUNT HANDLES

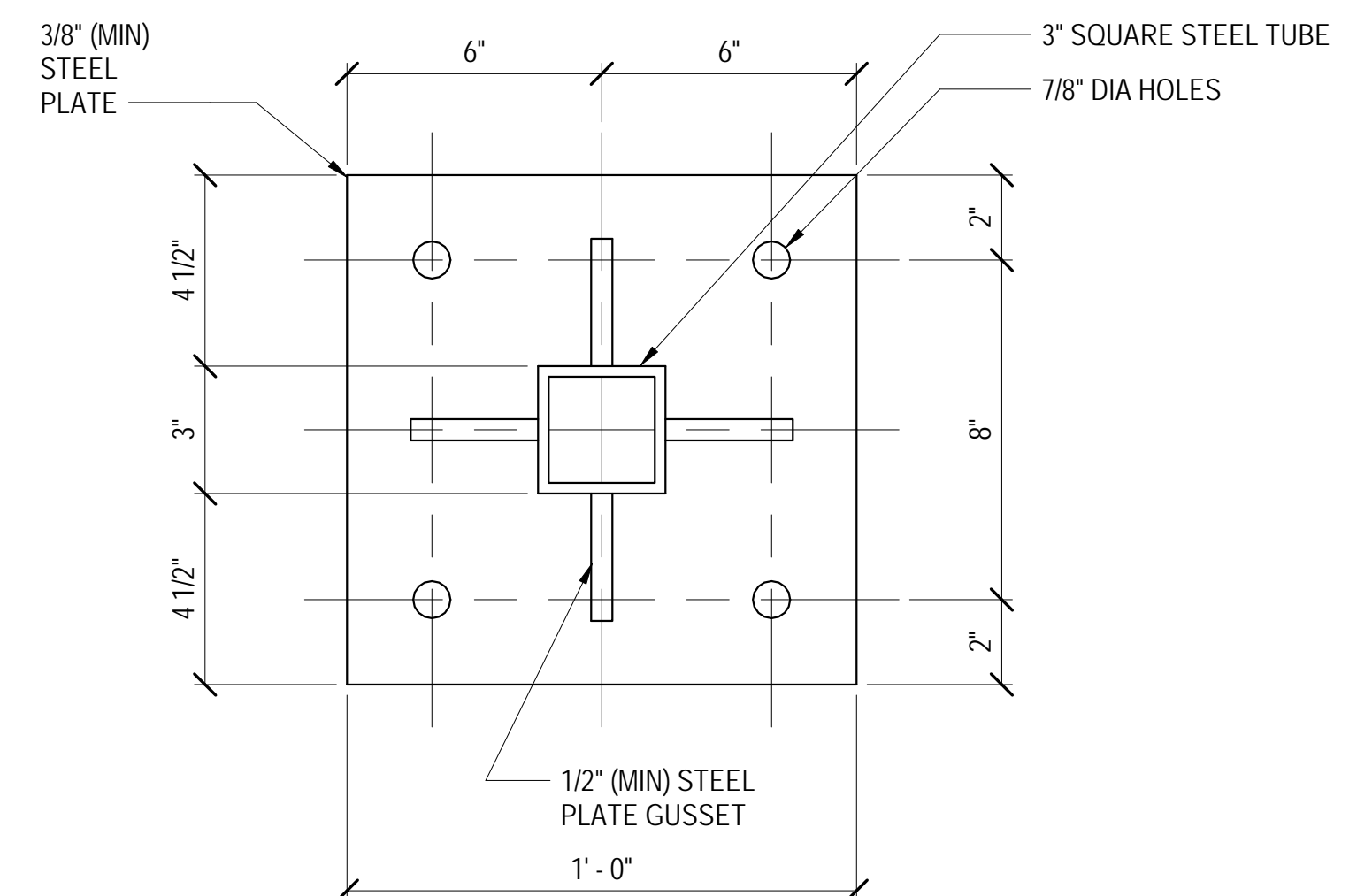


**KEY PLAN**

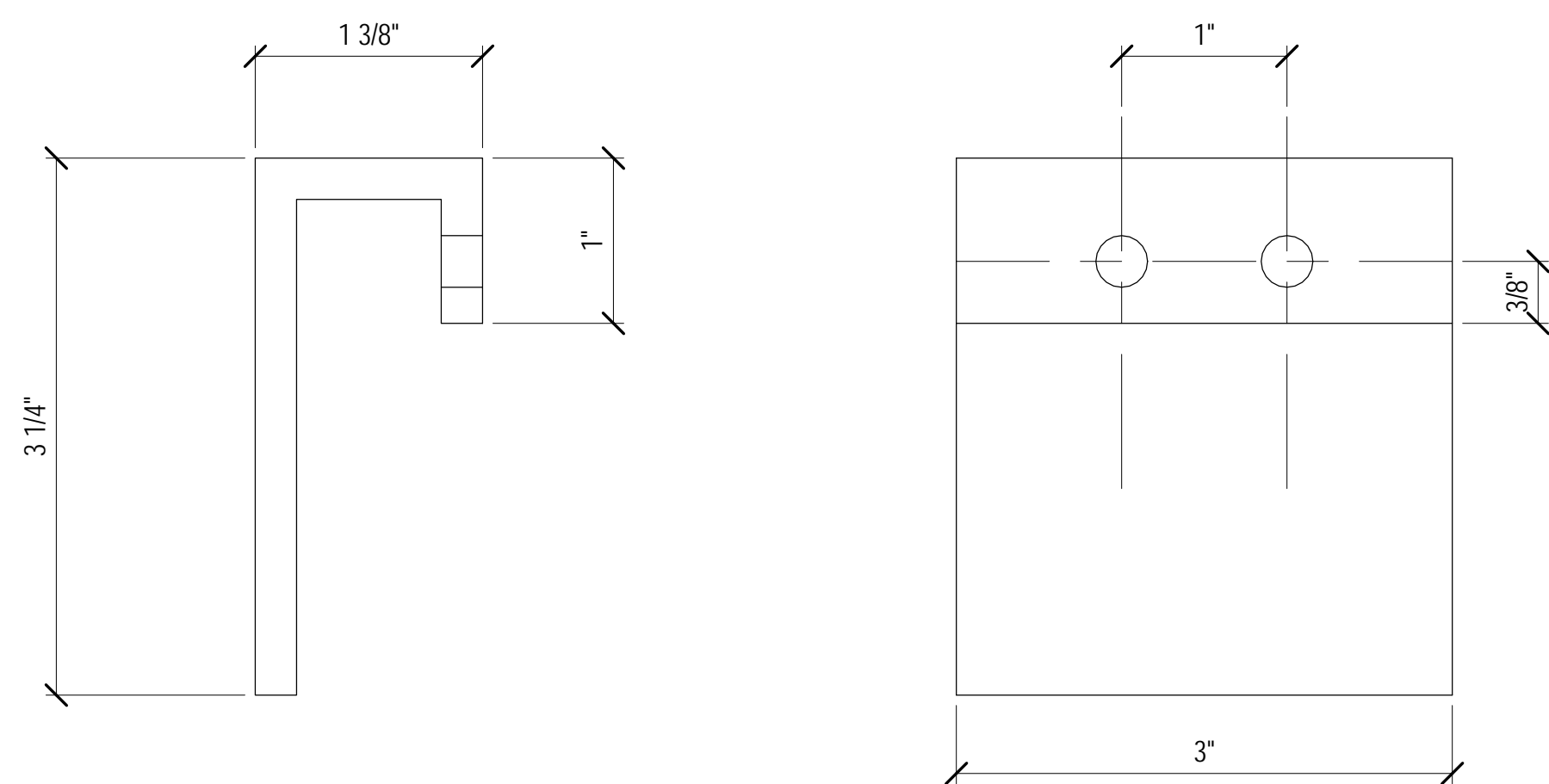
**REVISIONS**



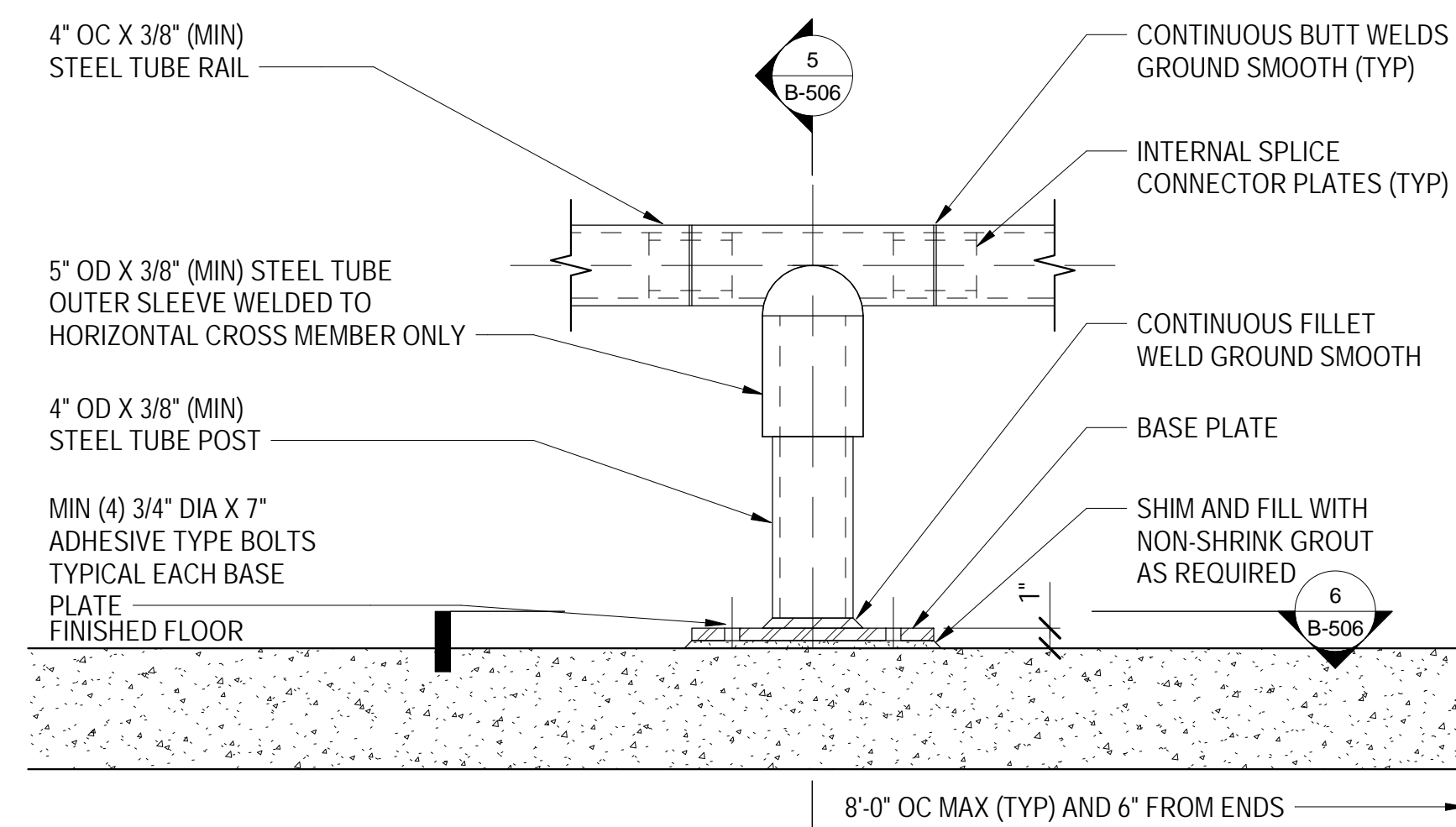
**1 CONTROL STATION STANCHION AND GUARDING FOR LOAD CONVEYOR**  
1" = 1'-0"



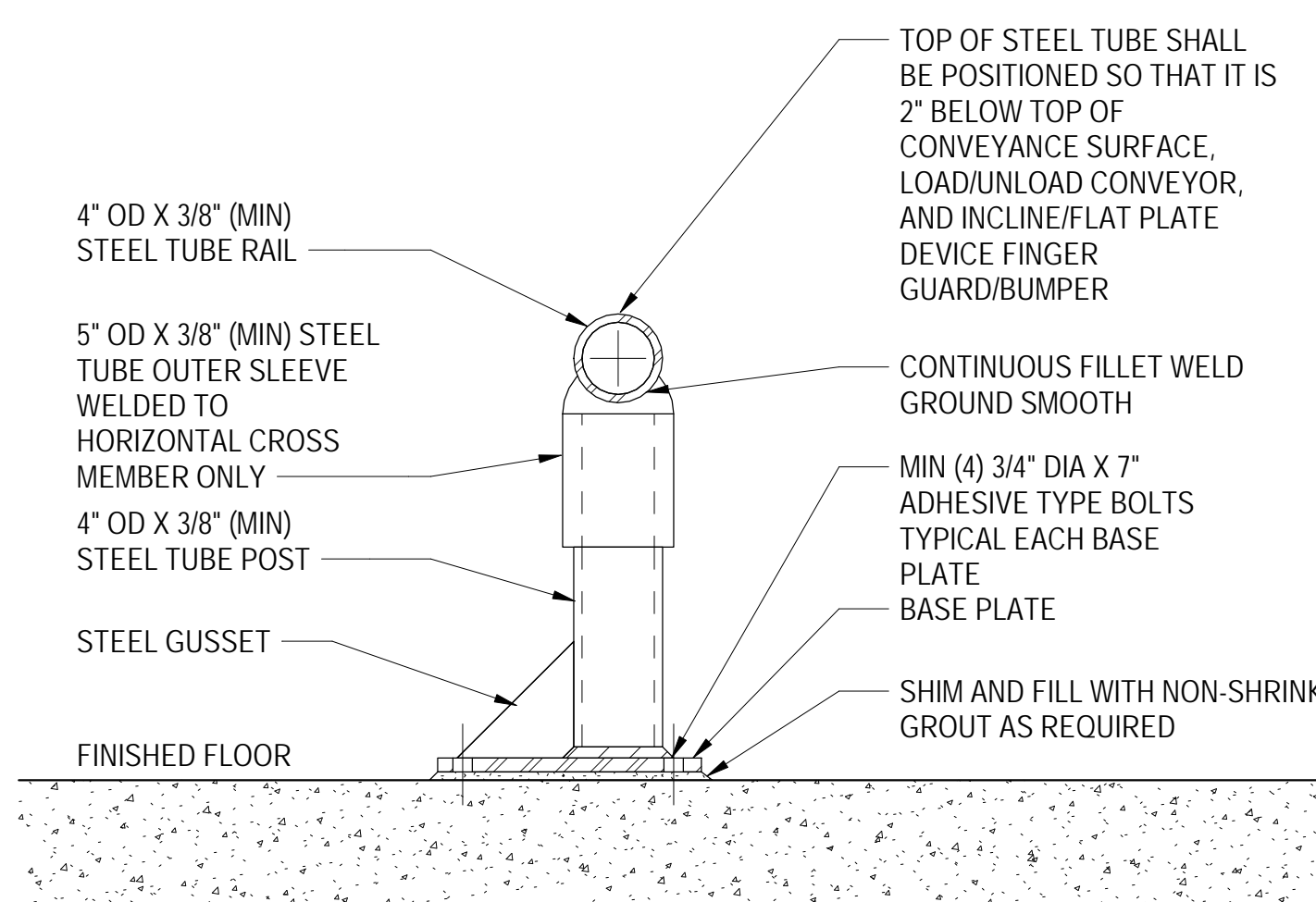
**2 CONTROL STATION STANCHION BASE PLATE**  
3" = 1'-0"



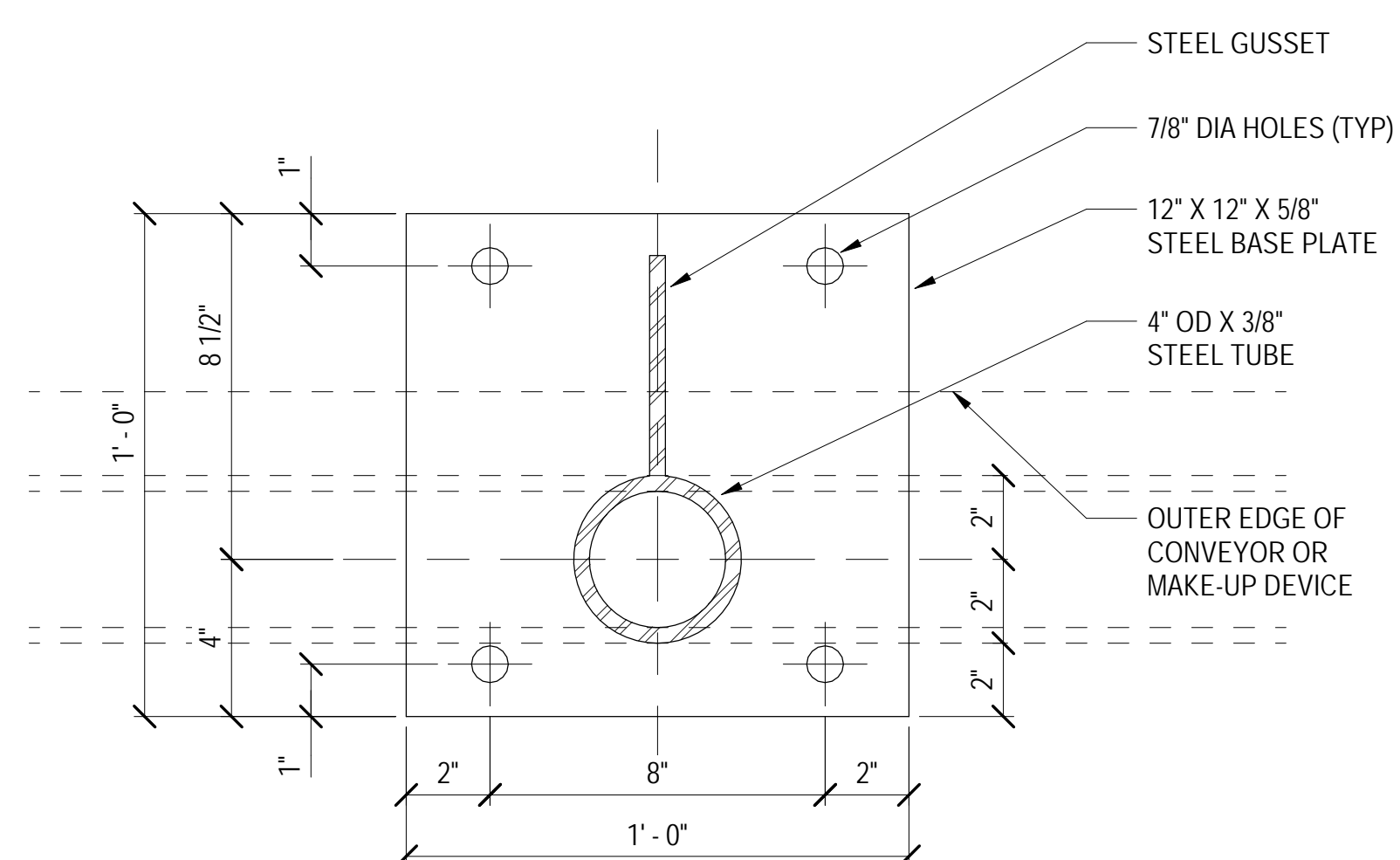
**3 CONTROL STATION STANCHION SIDE GUARD BRACE**  
12" = 1'-0"



**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"

**CAUTION**  
LOW  
HEADROOM

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

DO NOT OPERATE  
CONVEYOR WITHOUT  
GUARDS IN PLACE

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

**CAUTION**  
DO NOT  
STAND, WALK ON  
OR CROSS CONVEYOR

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

**CAUTION**  
THIS CONVEYOR IS  
AUTOMATICALLY CONTROLLED  
AND MAY START AT ANY TIME

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

**DANGER**  
EQUIPMENT MAY START AT ANY TIME  
AUTHORIZED AND TRAINED  
PERSONNEL ONLY

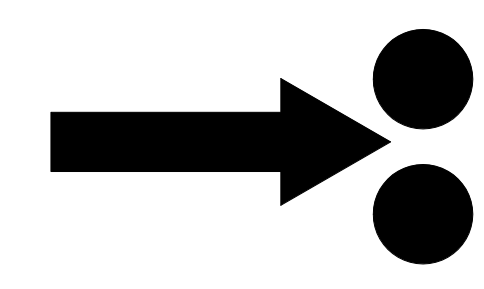
5 BHS OPERATIONAL WARNING SIGN #5  
6" = 1'-0"

EMERGENCY  
 STOP

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

**DANGER**  
480 VOLTS

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

**DANGER**  
PINCH  
POINT 

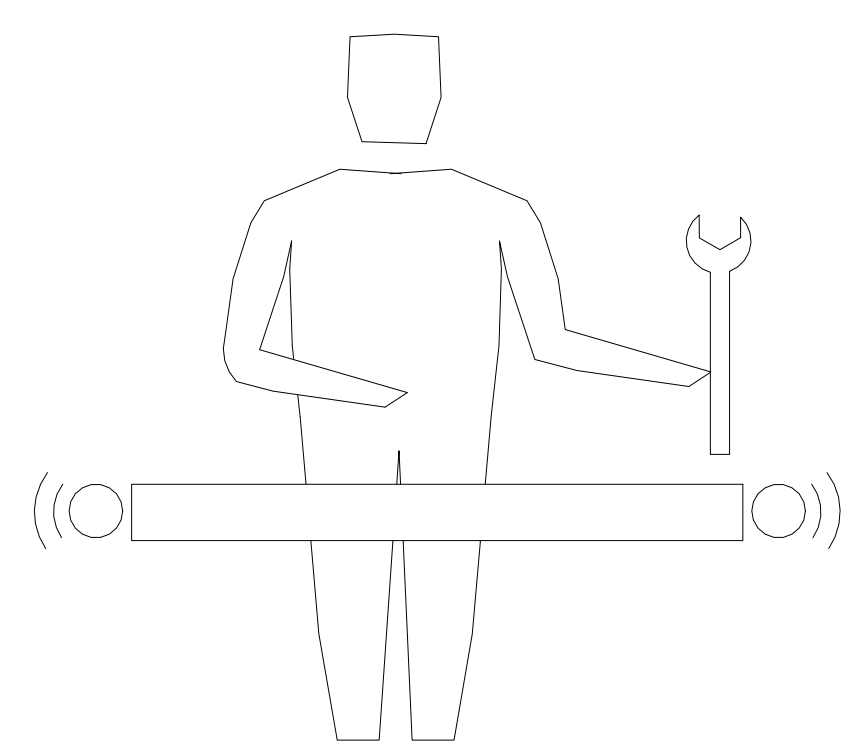
8 BHS OPERATIONAL WARNING SIGN #8  
6" = 1'-0"

**DANGER**  
MOVING MACHINERY  
KEEP HANDS AND  
FEET CLEAR

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

**DANGER**  
WATCH OUT  
FOR MOVING  
EQUIPMENT

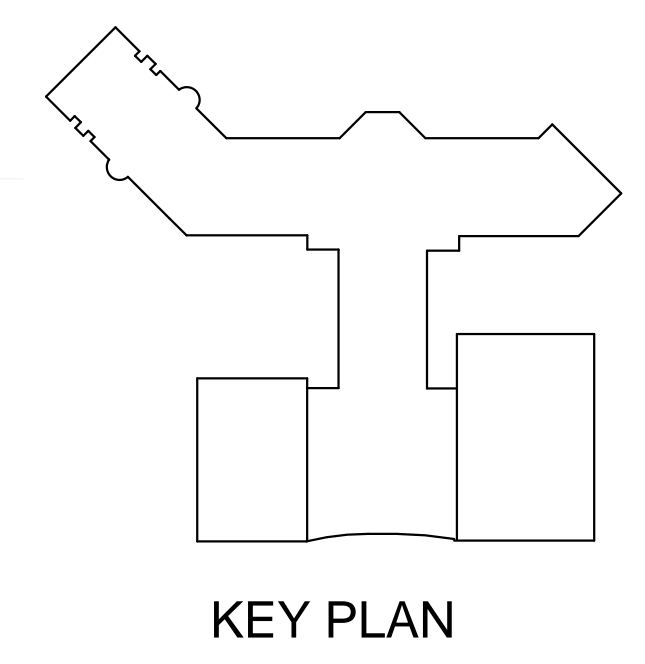
10 BHS OPERATIONAL WARNING SIGN #10  
6" = 1'-0"

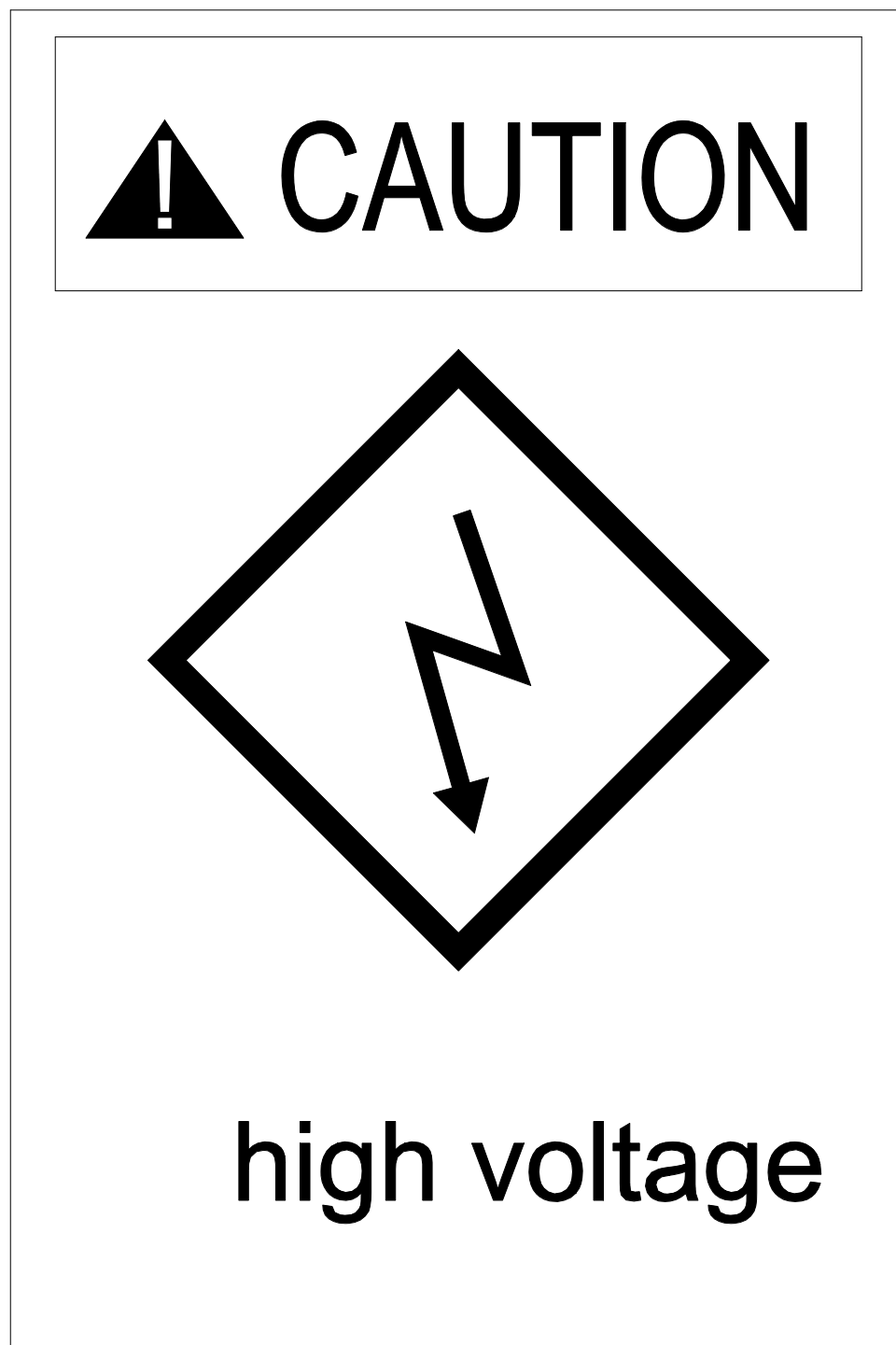
 **WARNING**  
SERVICING MOVING OR  
ENERGIZED EQUIPMENT  
CAN CAUSE SEVERE  
INJURY.  
LOCK OUT POWER  
BEFORE SERVICING

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

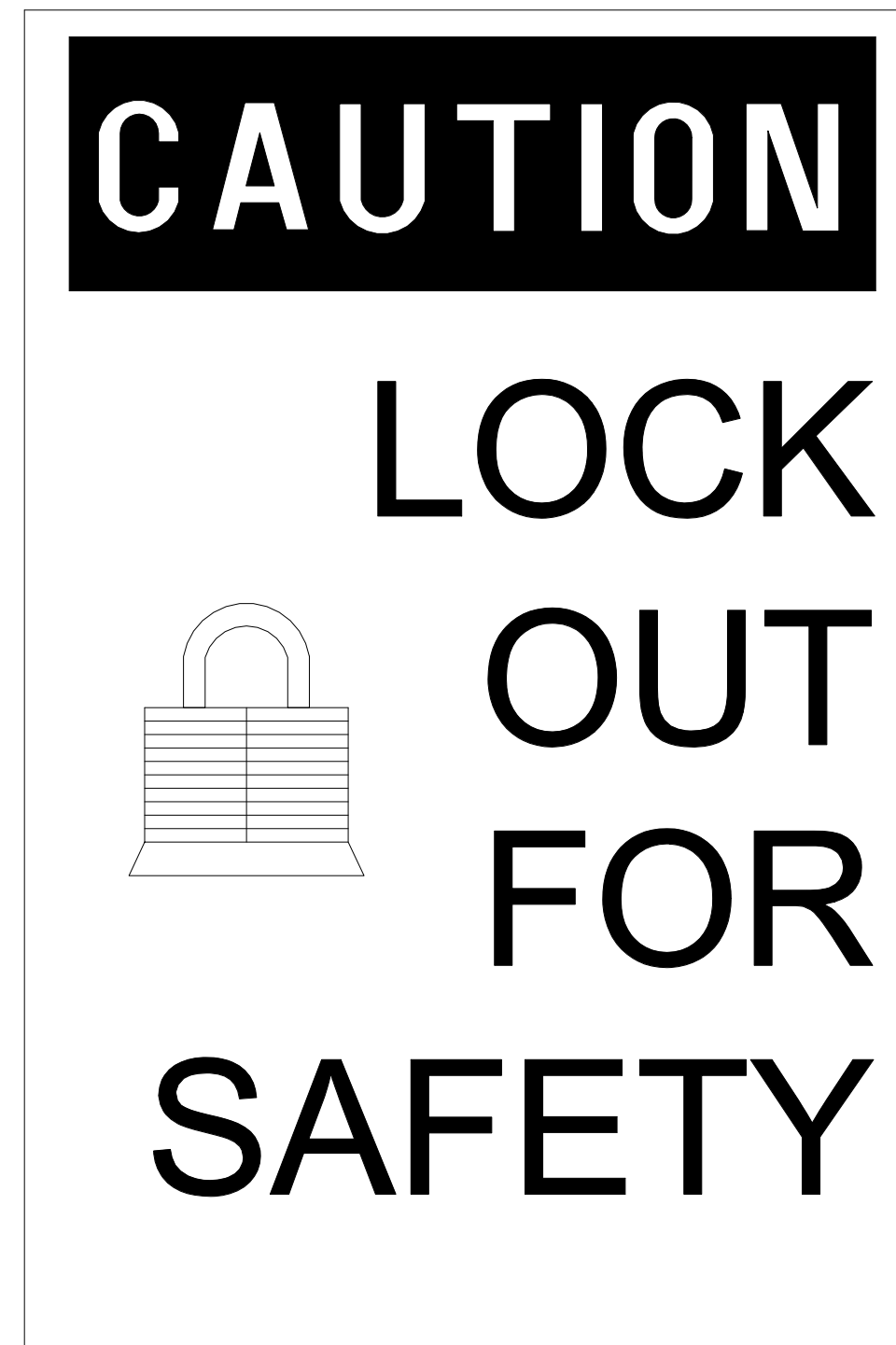
 **DANGER**  
CLIMBING, SITTING,  
WALKING OR RIDING ON  
CONVEYOR AT ANY TIME  
WILL CAUSE SEVERE  
INJURY OR DEATH.  
**KEEP OFF**

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





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



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



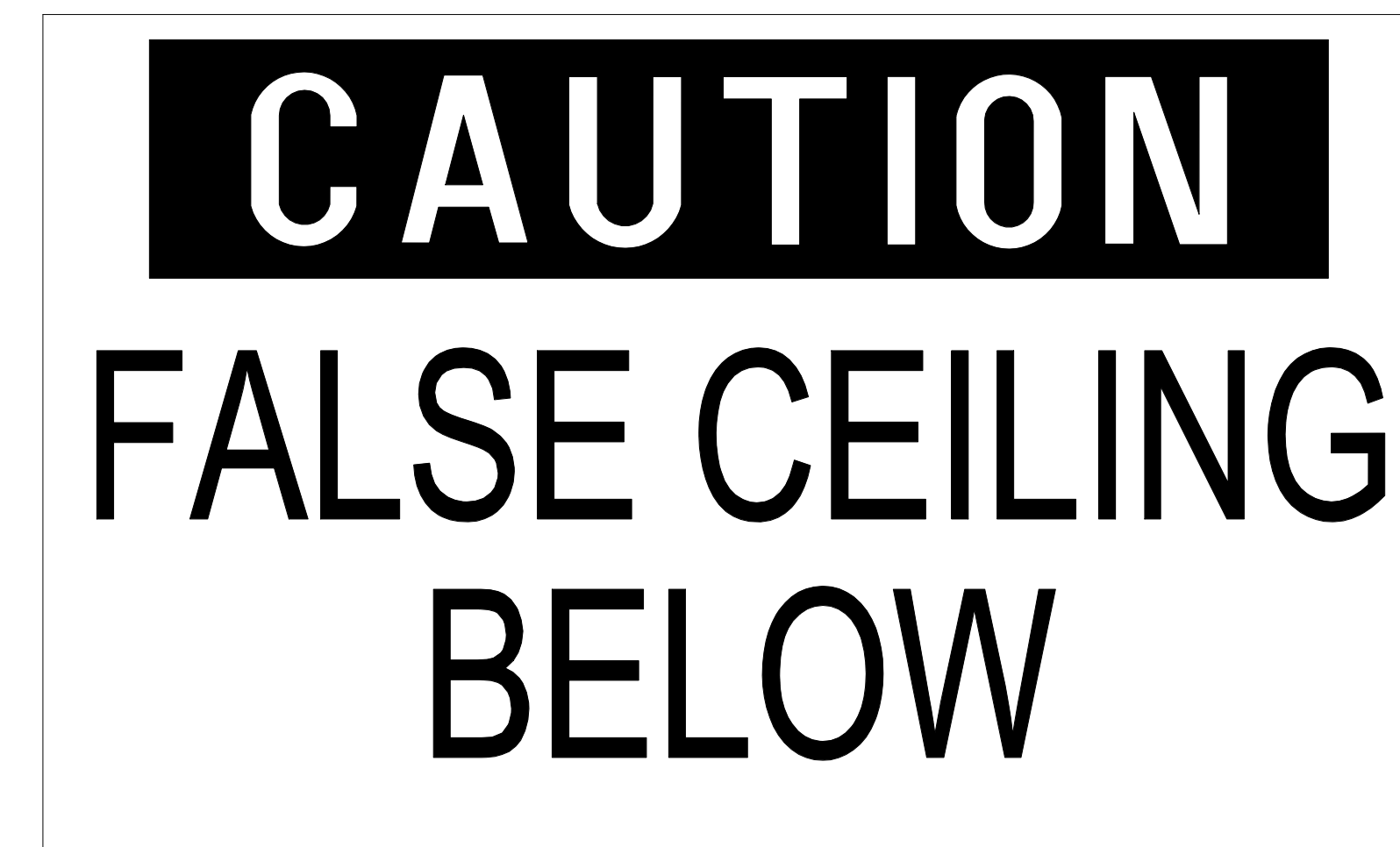
3 BHS OPERATIONAL WARNING SIGN #15  
6" x 1'-0"



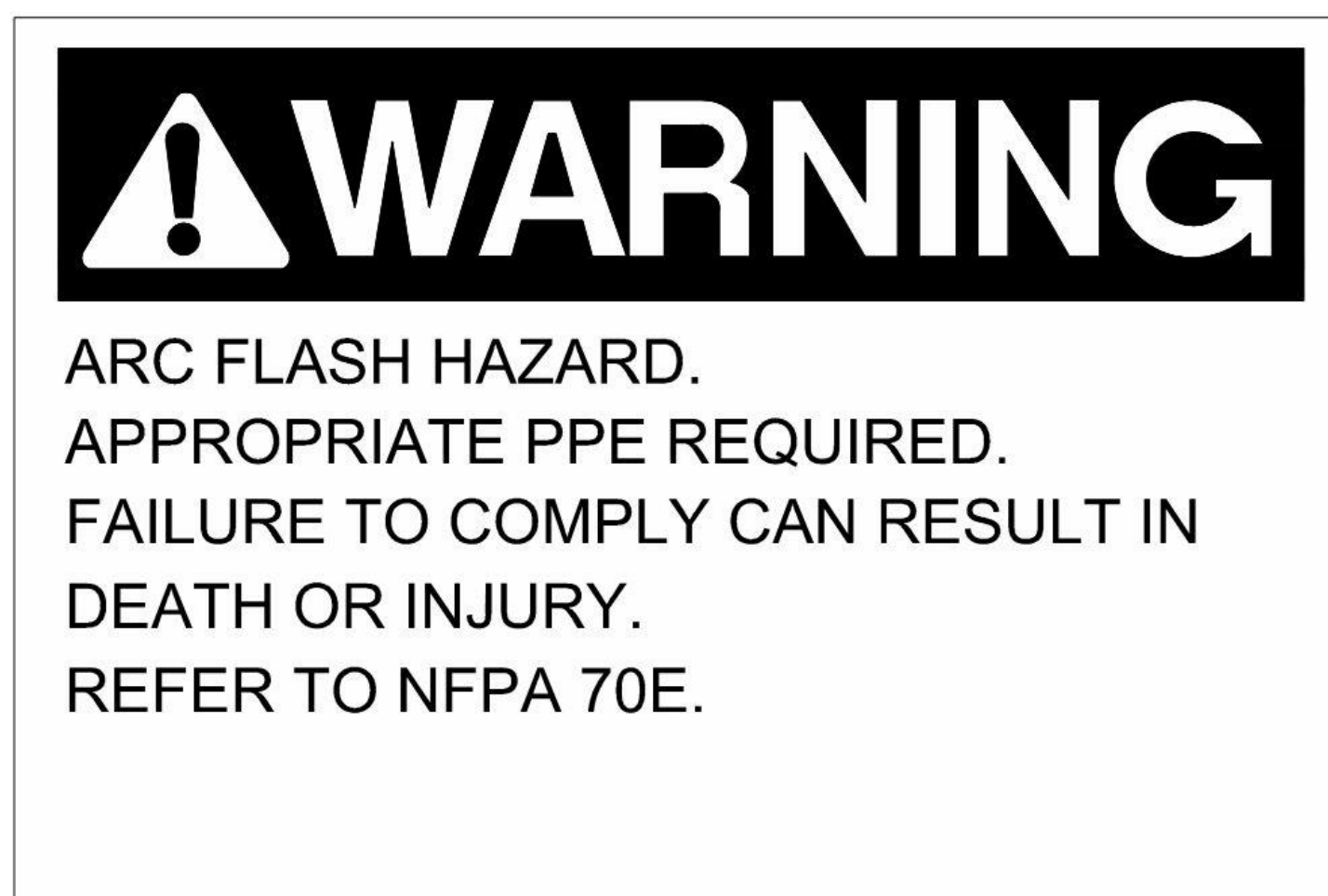
4 BHS OPERATIONAL WARNING SIGN #16  
6" x 1'-0"



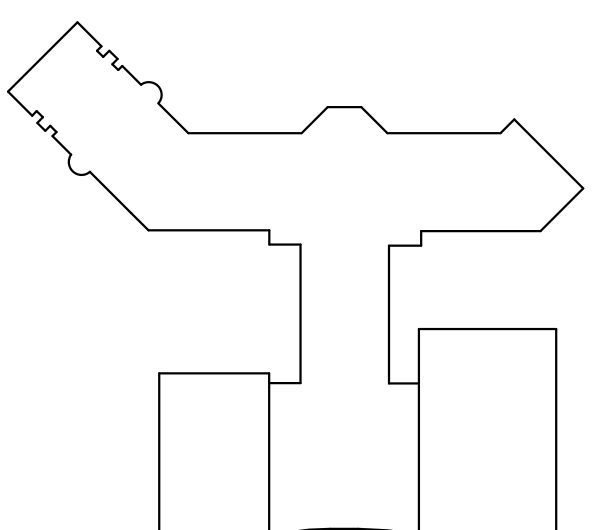
5 BHS OPERATIONAL WARNING SIGN #17  
6" x 1'-0"



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



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



KEY PLAN

**CONTROL PANEL LEGEND**

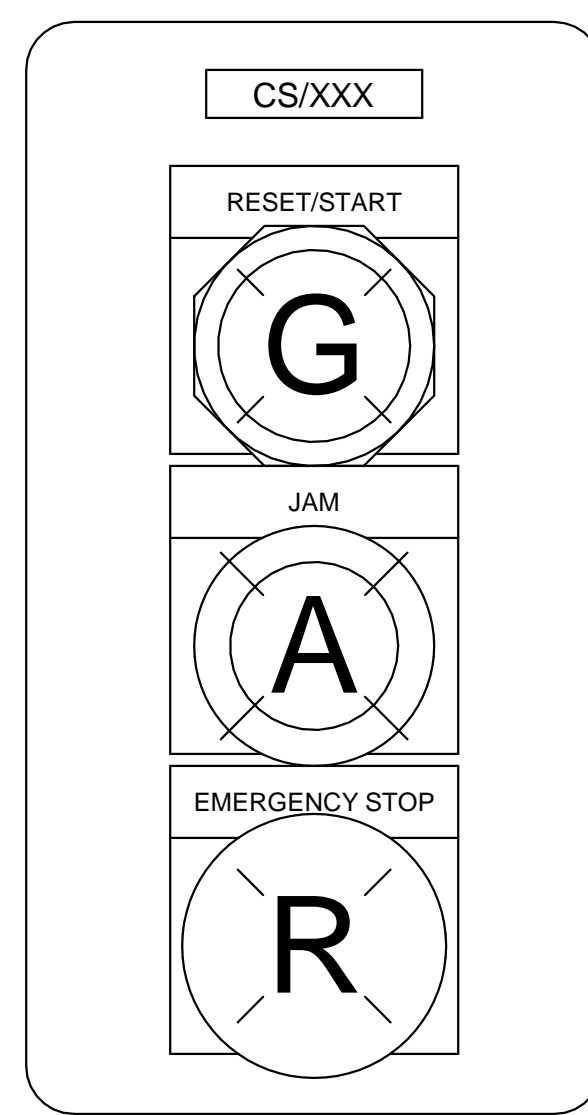
- SELECTOR-SWITCH
- ILLUMINATED PUSH BUTTON
- ILLUMINATED INDICATOR LIGHT
- PUSH BUTTON
- MUSHROOM HEAD EMERGENCY STOP  
ILLUMINATED PUSH AND PULL  
RELEASE WITH LOCKABLE COVER
- KEY SWITCH
- START ALARM

**CONTROL PANEL OPERATOR ABBREVIATIONS**

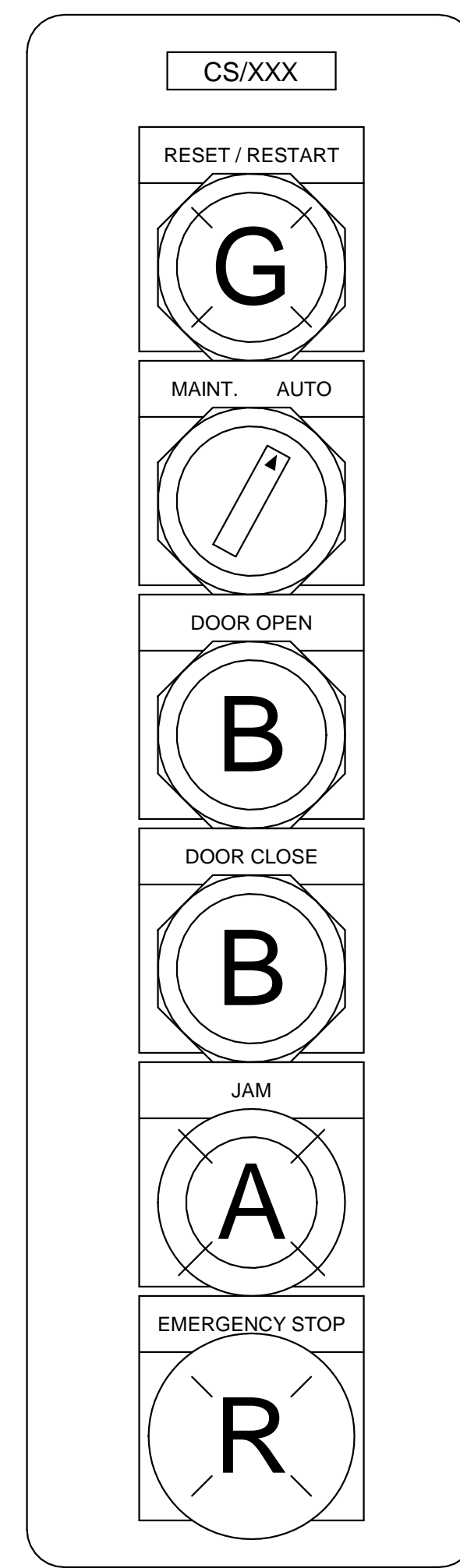
R - RED, A - AMBER, G - GREEN, Y - YELLOW,  
W - WHITE, B - BLACK, BL - BLUE, GY - GRAY

**NOTES:**

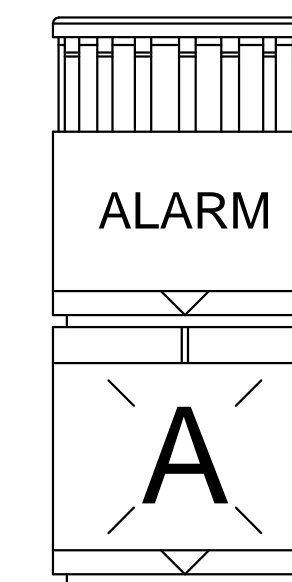
1. BHS EQUIPMENT CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EMERGENCY STOP CONTROL STATIONS THAT MAY BE REQUIRED TO MEET CODE AND TO PROVIDE A SAFE WORKING ENVIRONMENT. AS A MINIMUM, PROVIDE ONE EMERGENCY STOP CONTROL STATION ON EACH SEGMENT OF CATWALK.
2. ALL CONTROL STATIONS SHALL BE LOCATED ON THE CATWALK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



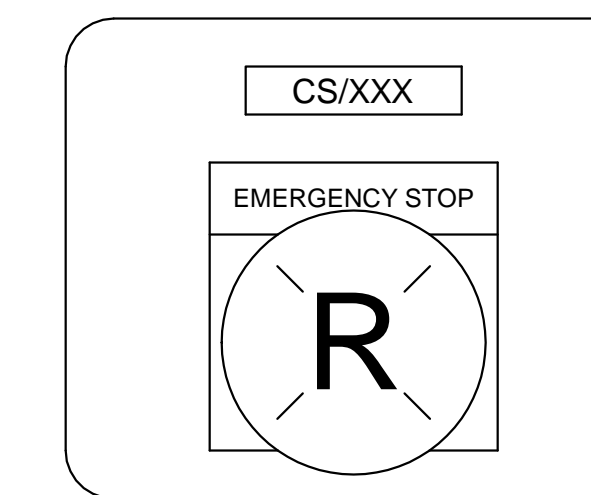
**1 TYPE 1 - TRANSPORT & CLAIM DEVICE**  
12" = 1'-0"



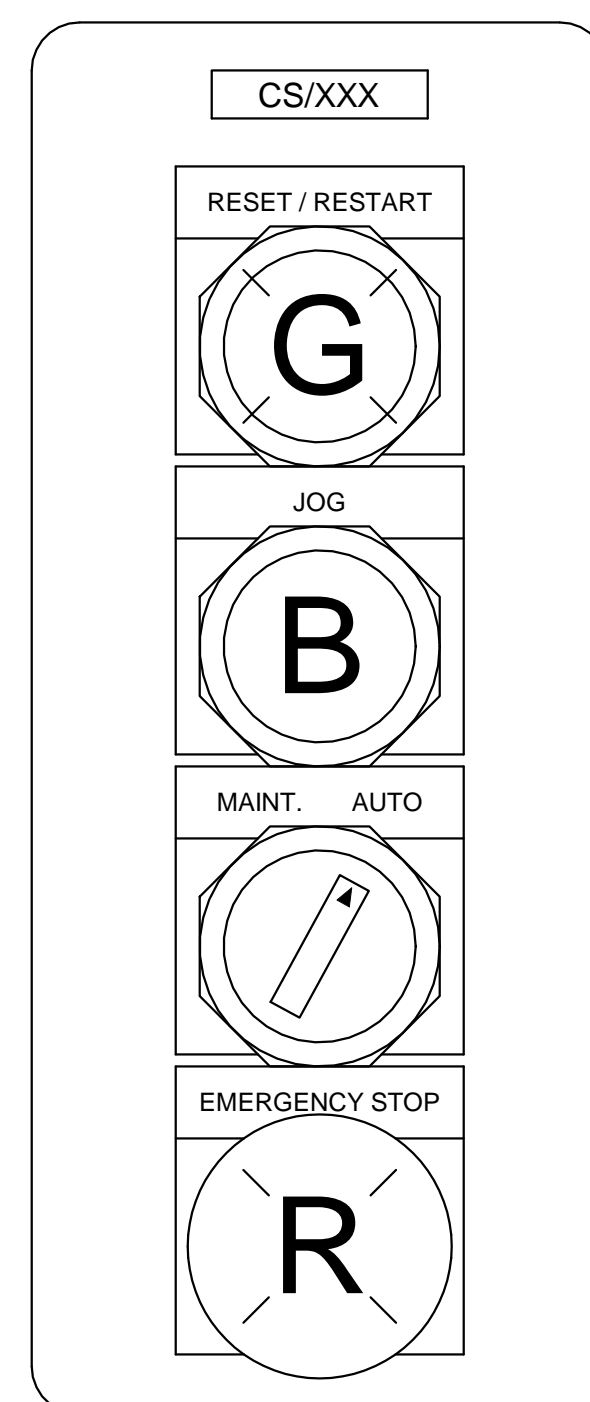
**2 TYPE 4 - FIRE/SECURITY DOOR**  
12" = 1'-0"



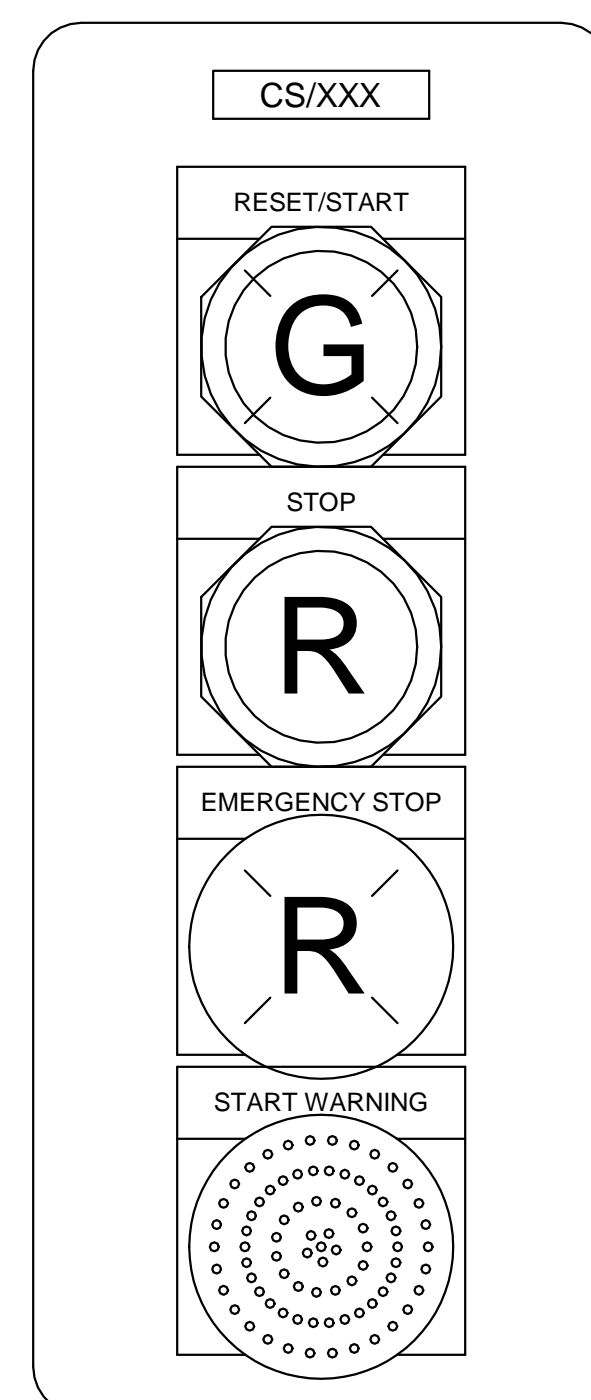
**3 TYPE 10 - CLAIM DEVICE AUDIO/VISUAL ALARM**  
12" = 1'-0"



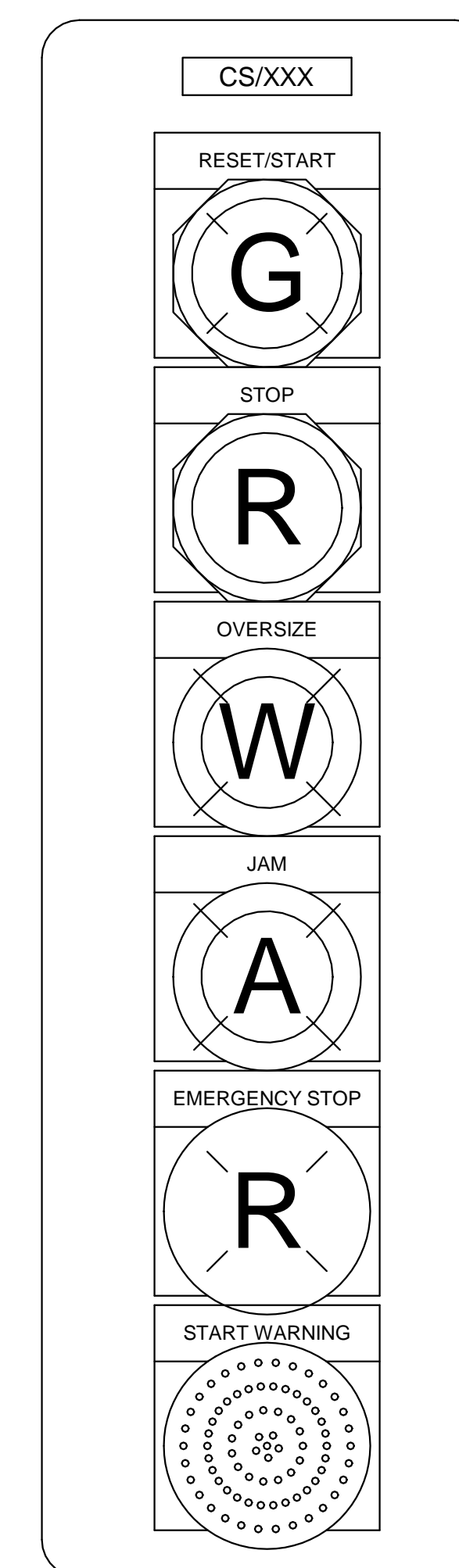
**4 TYPE 15 - CLAIM DEVICE**  
12" = 1'-0"



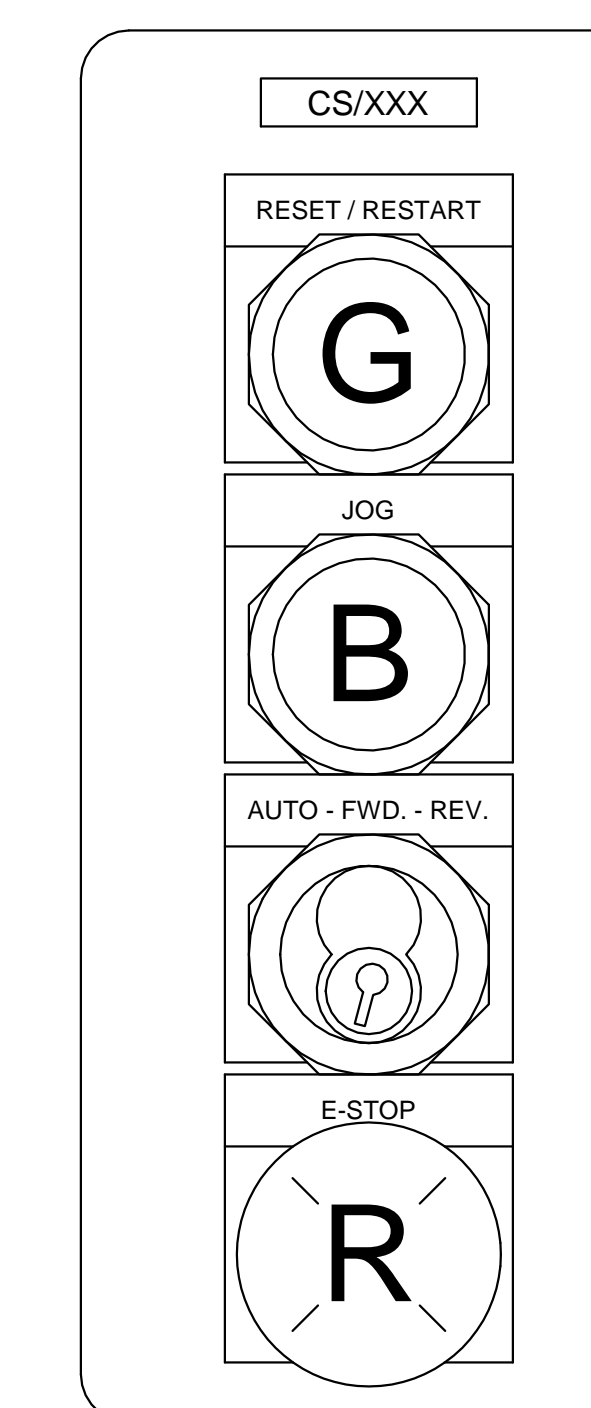
**5 TYPE 11 - CLAIM DEVICE AT DRIVE**  
12" = 1'-0"



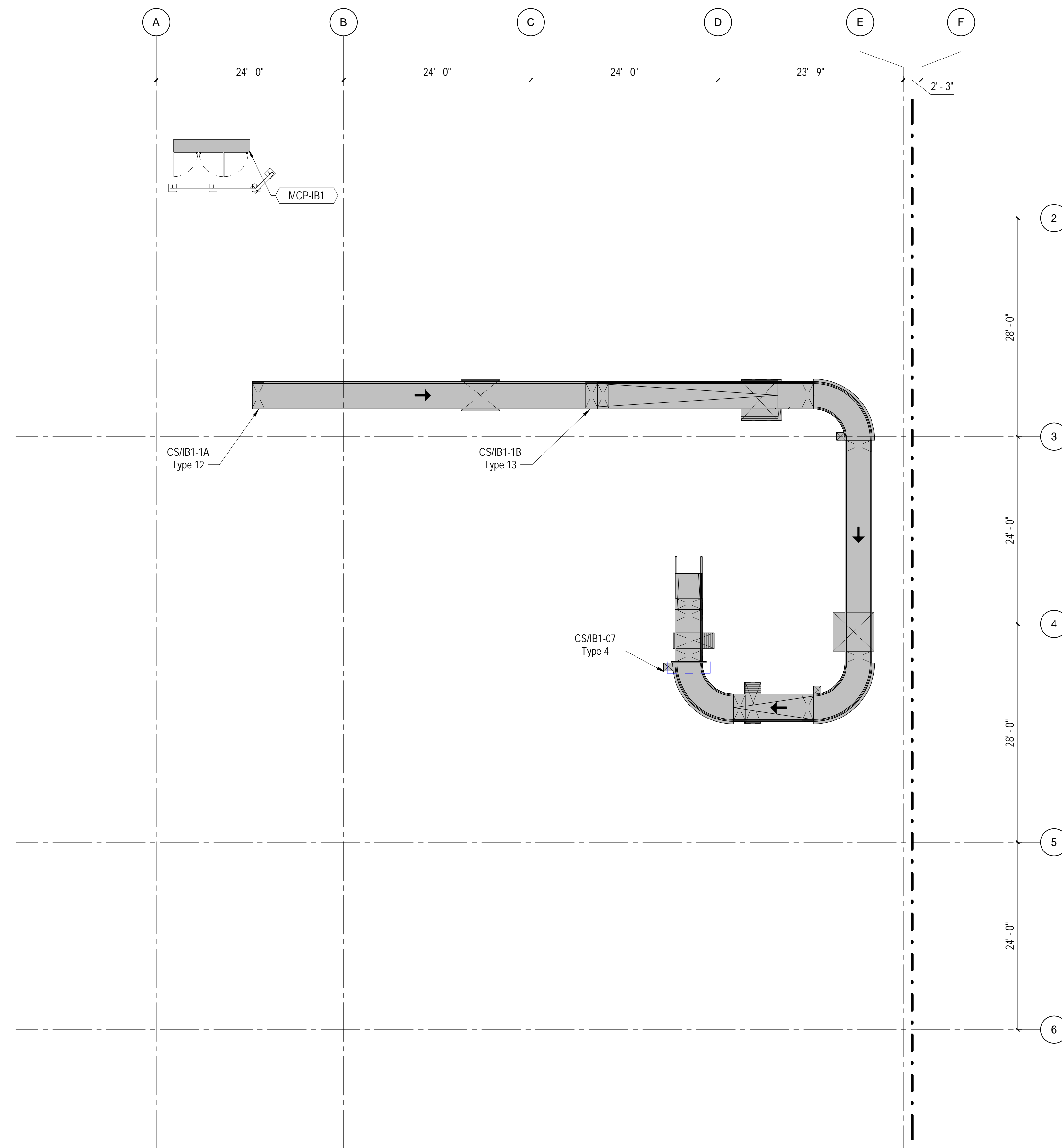
**6 TYPE 12 - INBOUND UNLOAD CONVEYOR CHARGE END**  
12" = 1'-0"



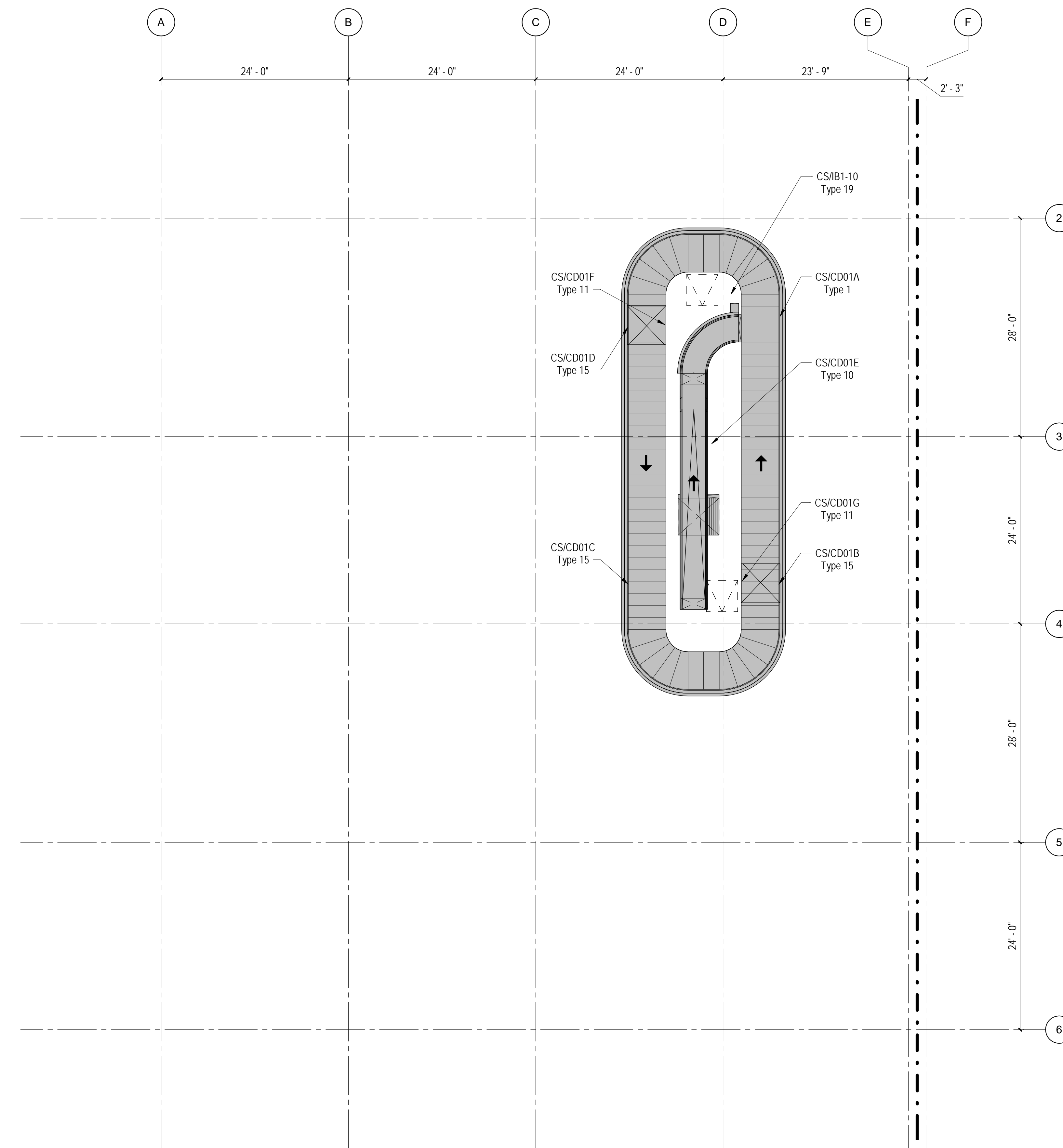
**7 TYPE 13 - INBOUND UNLOAD CONVEYOR DISCHARGE END**  
12" = 1'-0"



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



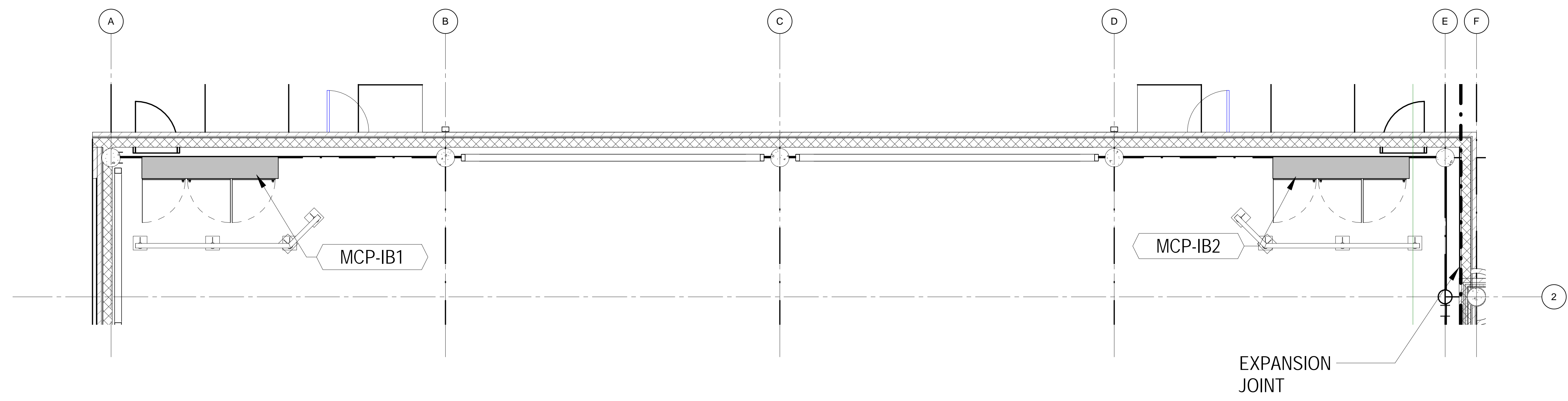
**1** CONTROLS LAYOUT - IB1 SUBSYSTEM  
1/8" = 1'-0"



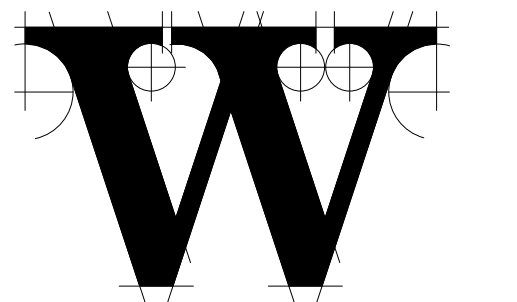
**2** CONTROLS LAYOUT - CD01  
1/8" = 1'-0"



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
<b>Total:</b>	<b>79</b>	<b>159</b>



**1** BASEMENT LEVEL - PROPOSED BHS BAGGAGE HANDLING EQUIPMENT POWER REQUIREMENTS  
1/4" = 1'-0"



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**TALBERT & BRIGHT**  
CONSULTING ARCHITECT  
LS3P

STRUCTURAL ENGINEER  
**STEWART**

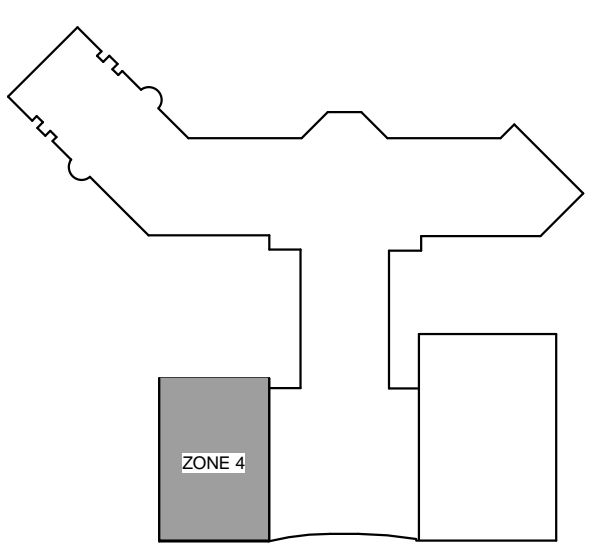
FP/IME ENGINEER  
**CHEATHAM & ASSOC.**

BAGGAGE HANDLING CONSULTANTS  
**BNP**

AIRCRAFT SUPPORT SYSTEMS  
**DK CONSULTANTS**

SPECIALTY LIGHTING CONSULTANT  
**HARTRANFT**

SIGNAGE & WAYFINDING  
**TAKEFORM**



**KEY PLAN**

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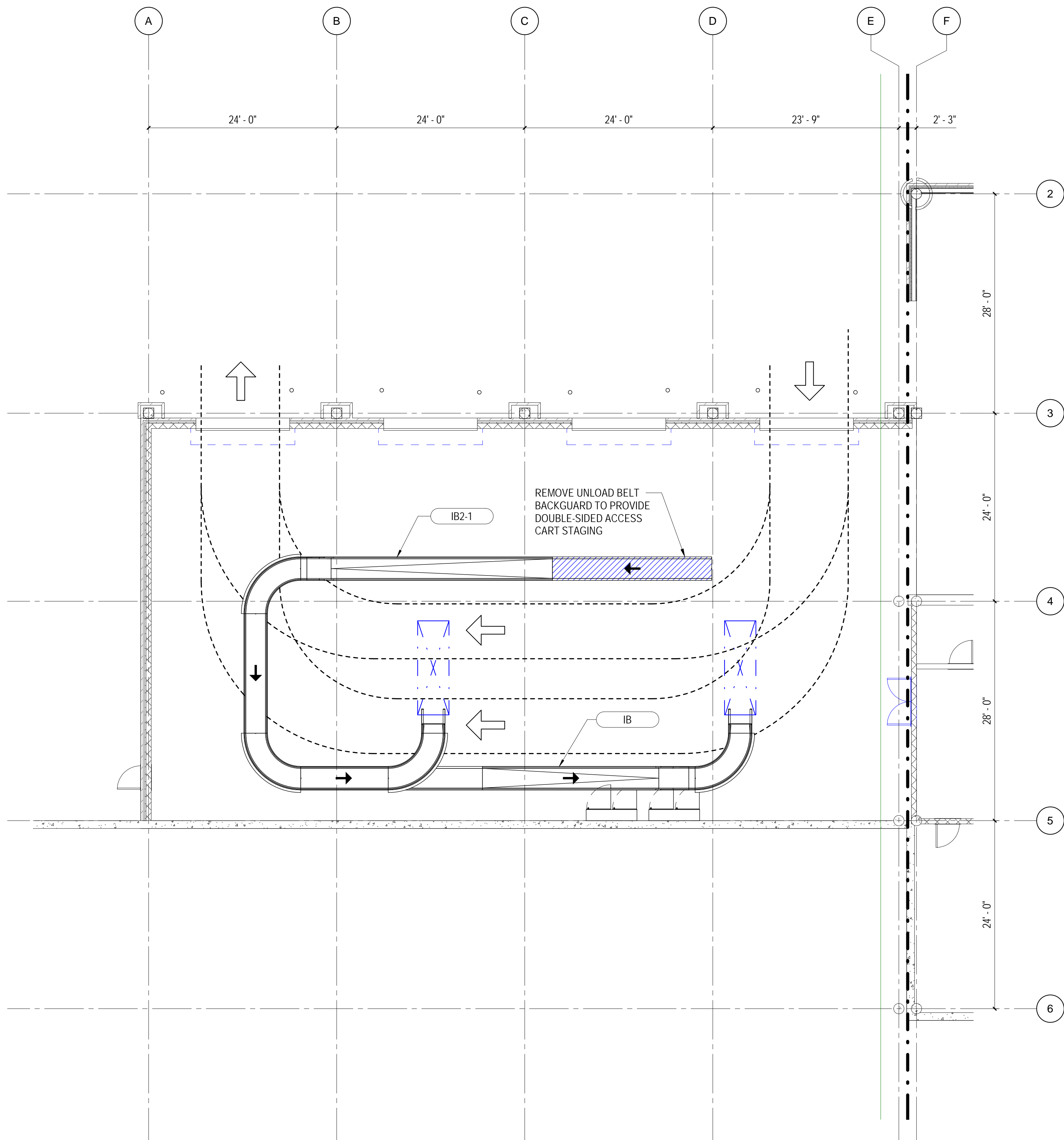
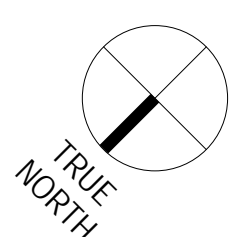
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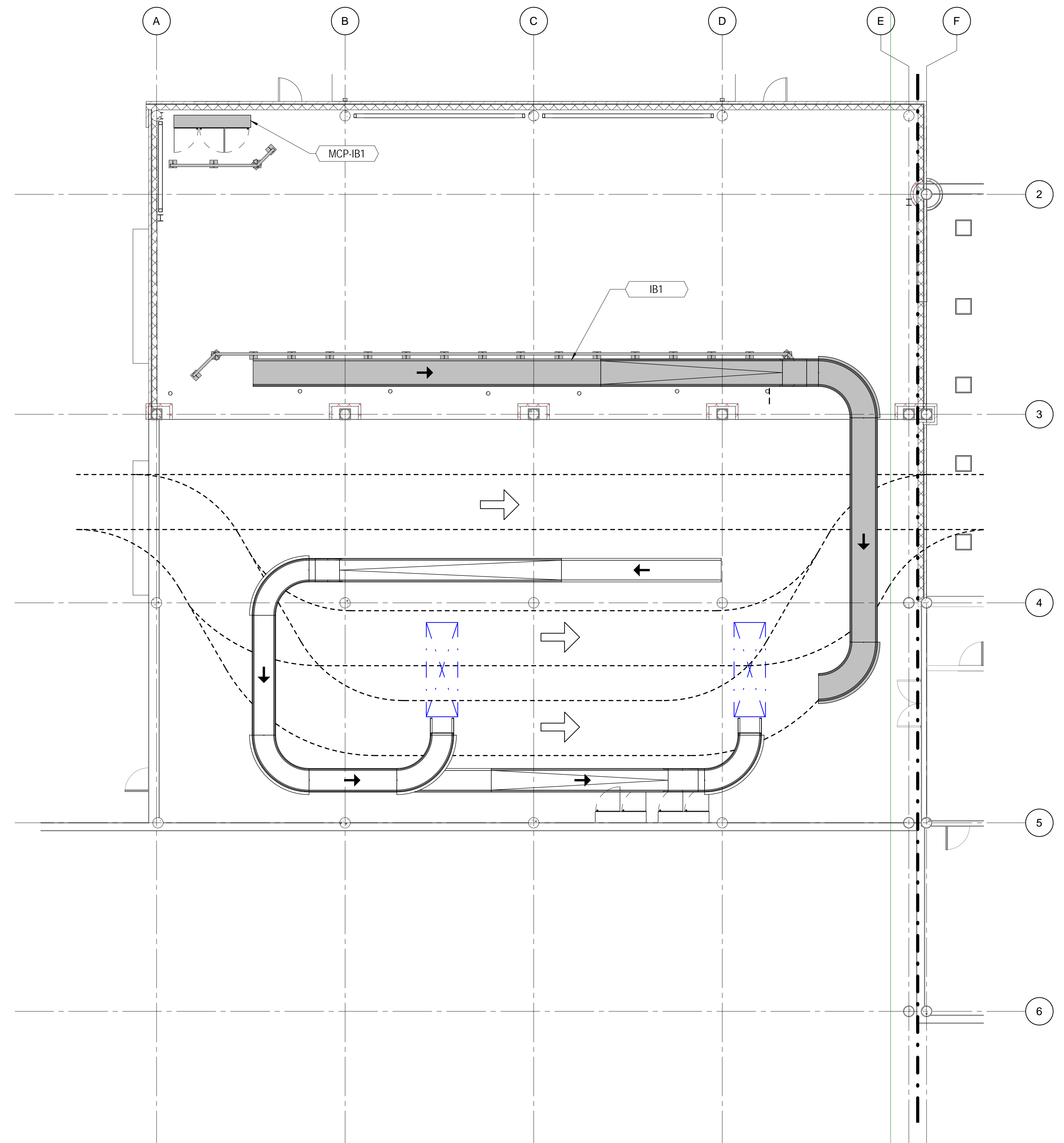
DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING  
EQUIPMENT POWER  
REQUIREMENTS**

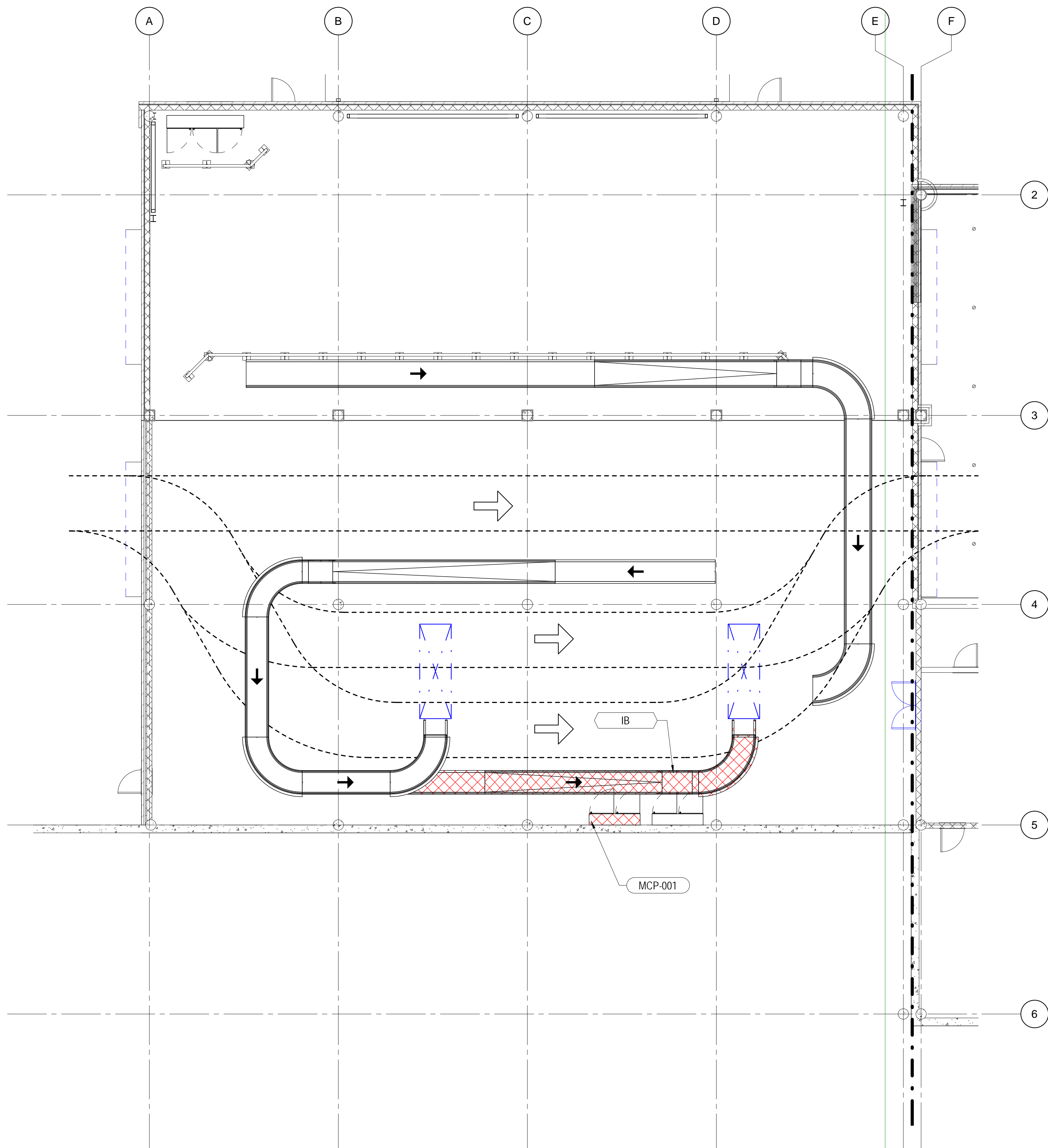
SHEET NUMBER  
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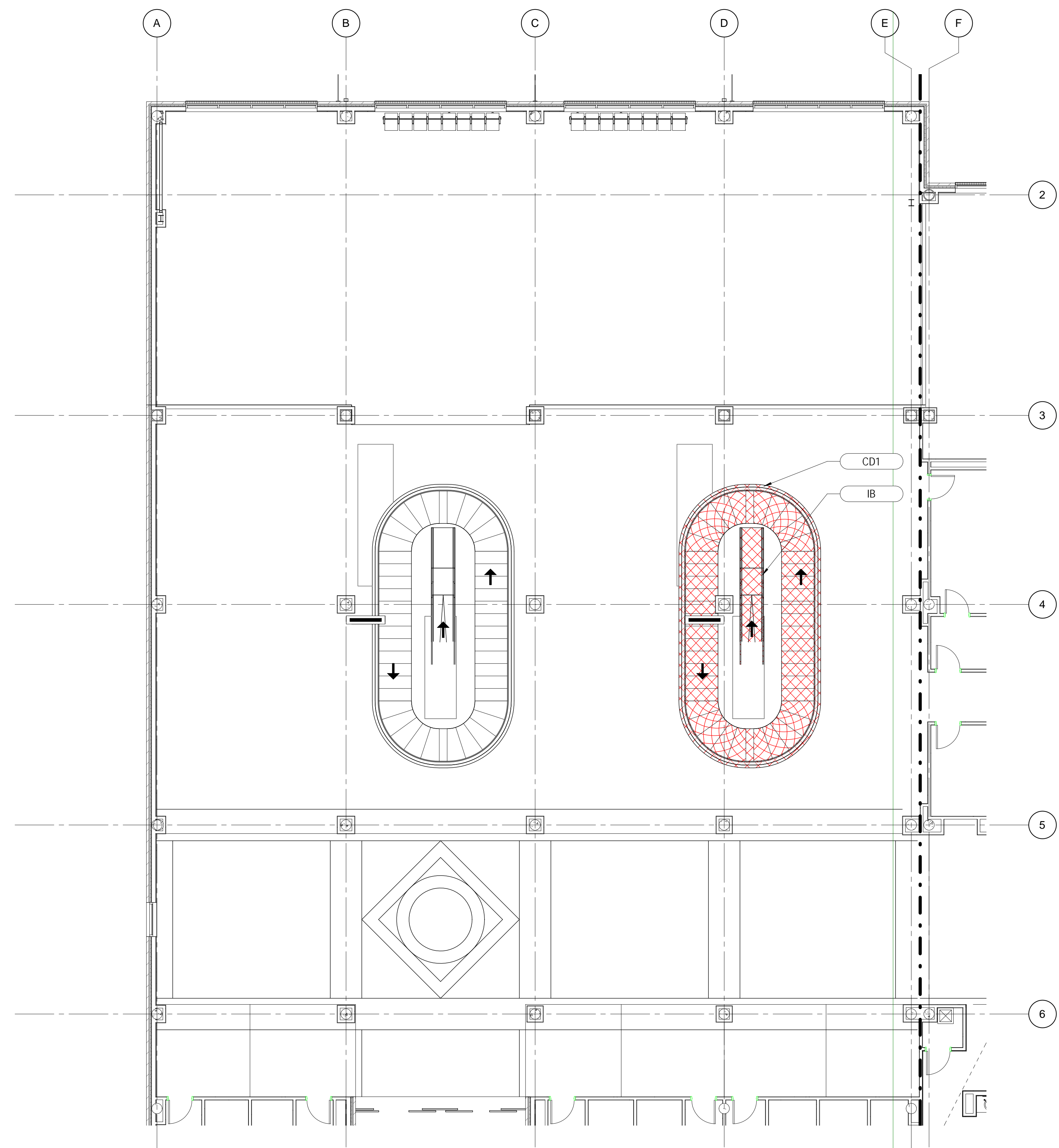
**1** BHS PHASING PLAN - SCHEDULE 2 PHASE 1 MODIFICATIONS - BASEMENT LEVEL  
1/8" = 1'-0"



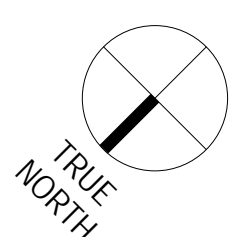
**2** BHS PHASING PLAN - SCHEDULE 2 PHASE 2 INSTALL - BASEMENT LEVEL  
1/8" = 1'-0"

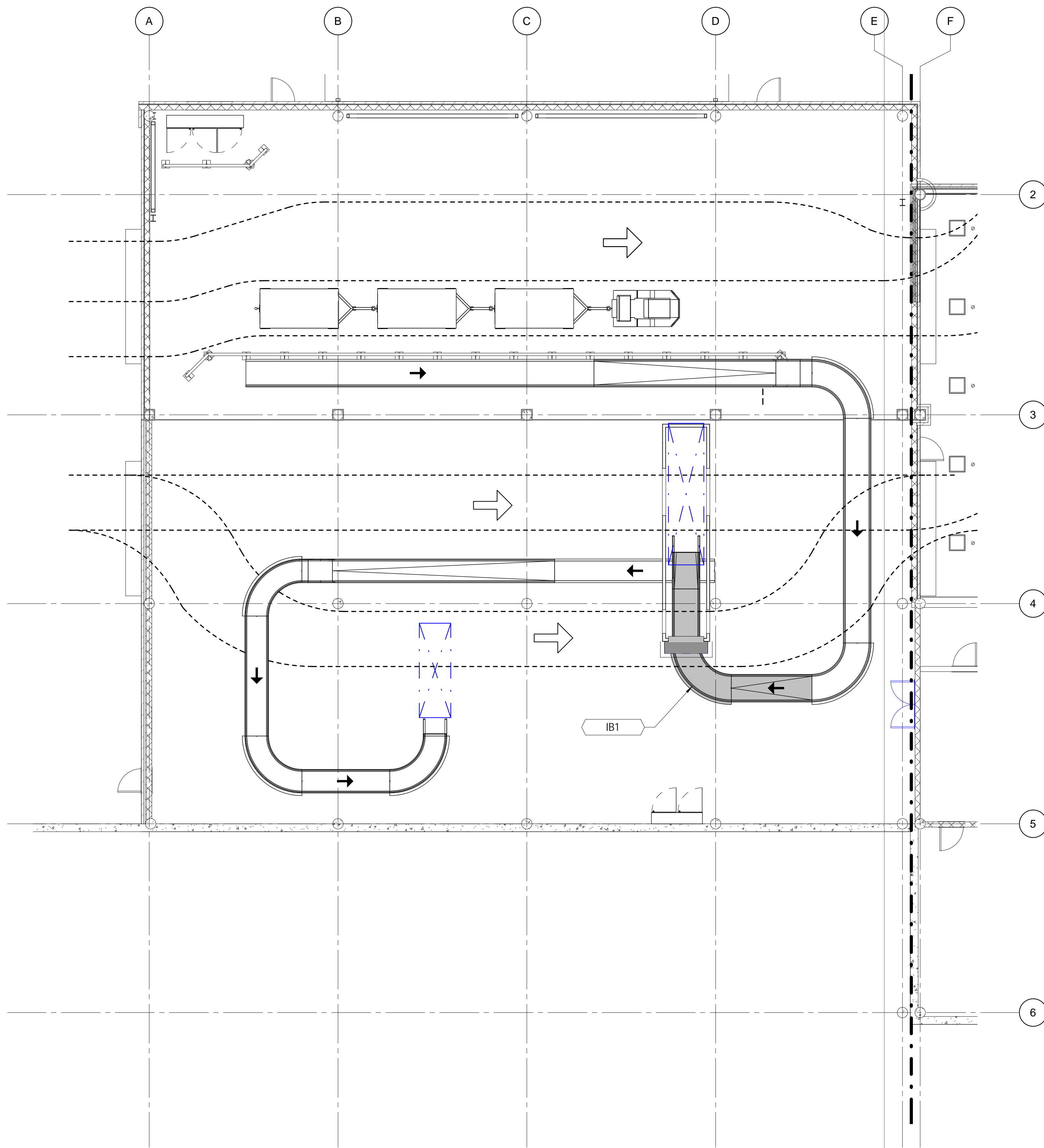


**1 BHS PHASING PLAN - SCHEDULE 2 PHASE 3 DEMO - BASEMENT LEVEL**  
1/8" = 1'-0"

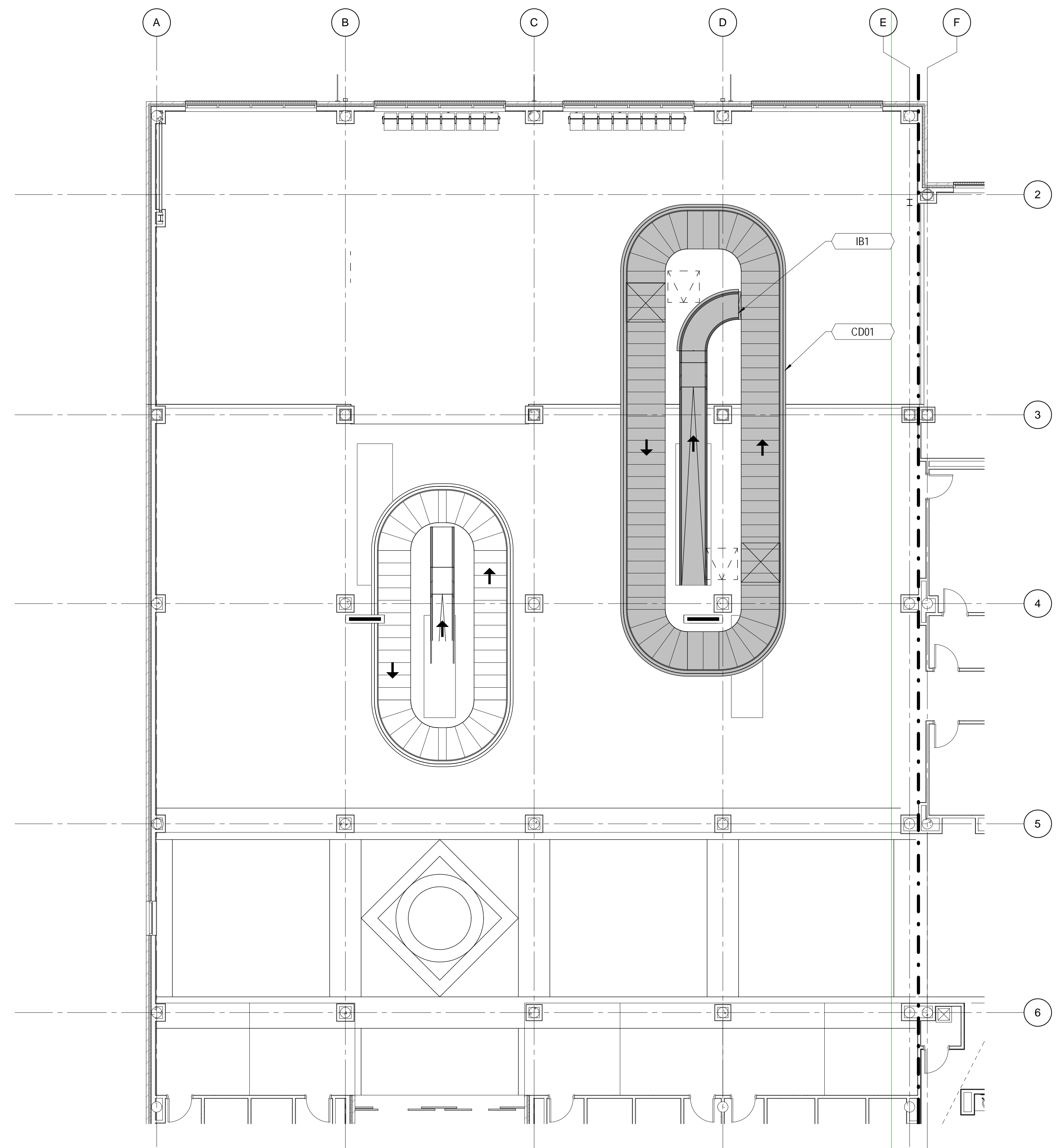


**2 BHS PHASING PLAN - SCHEDULE 2 PHASE 3 DEMO - DEPARTURES / ARRIVALS LEVEL**  
1/8" = 1'-0"

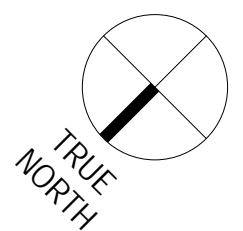


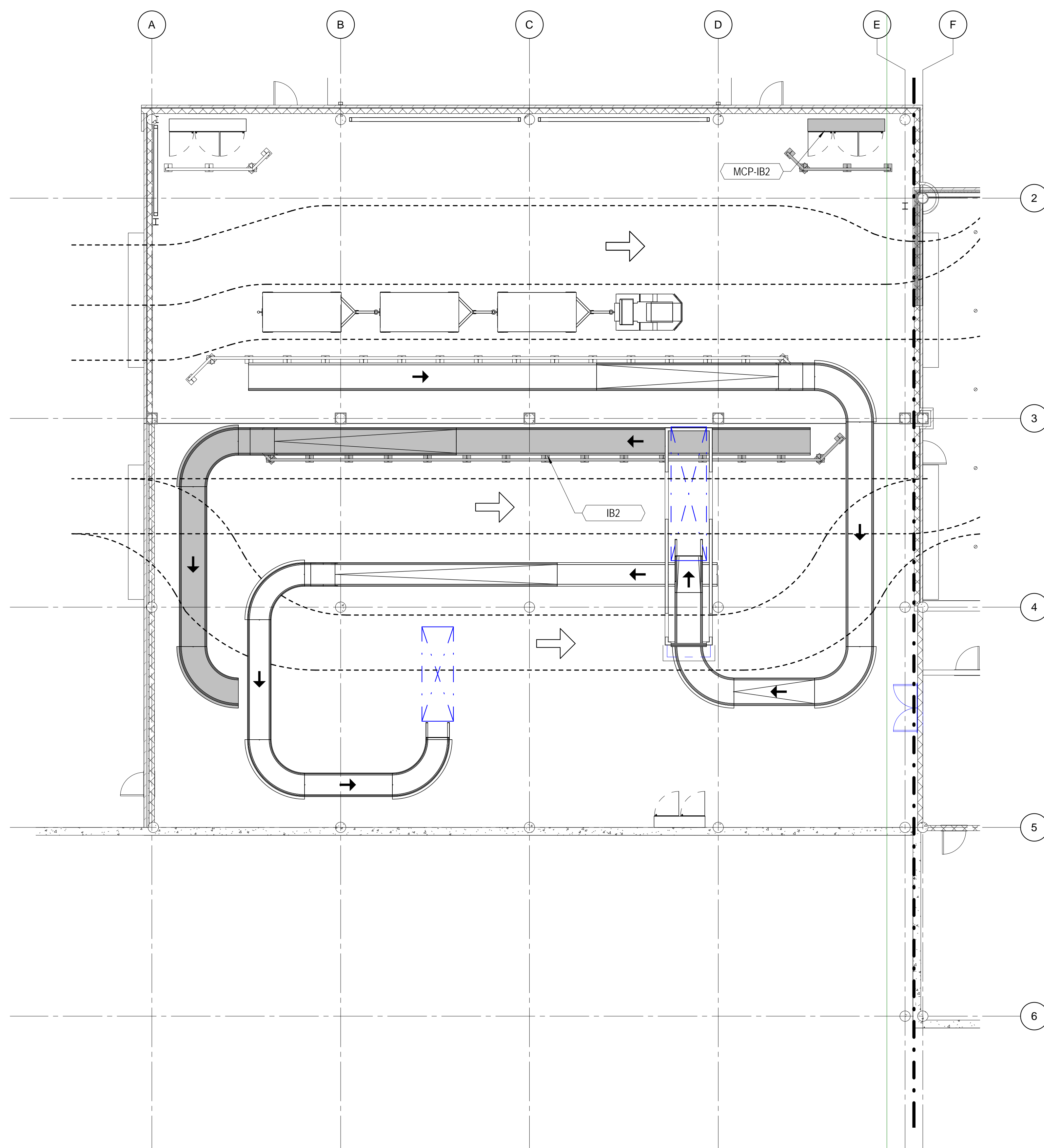


**1** BHS PHASING PLAN - SCHEDULE 2 PHASE 4 INSTALL - BASEMENT LEVEL  
1/8" = 1'-0"

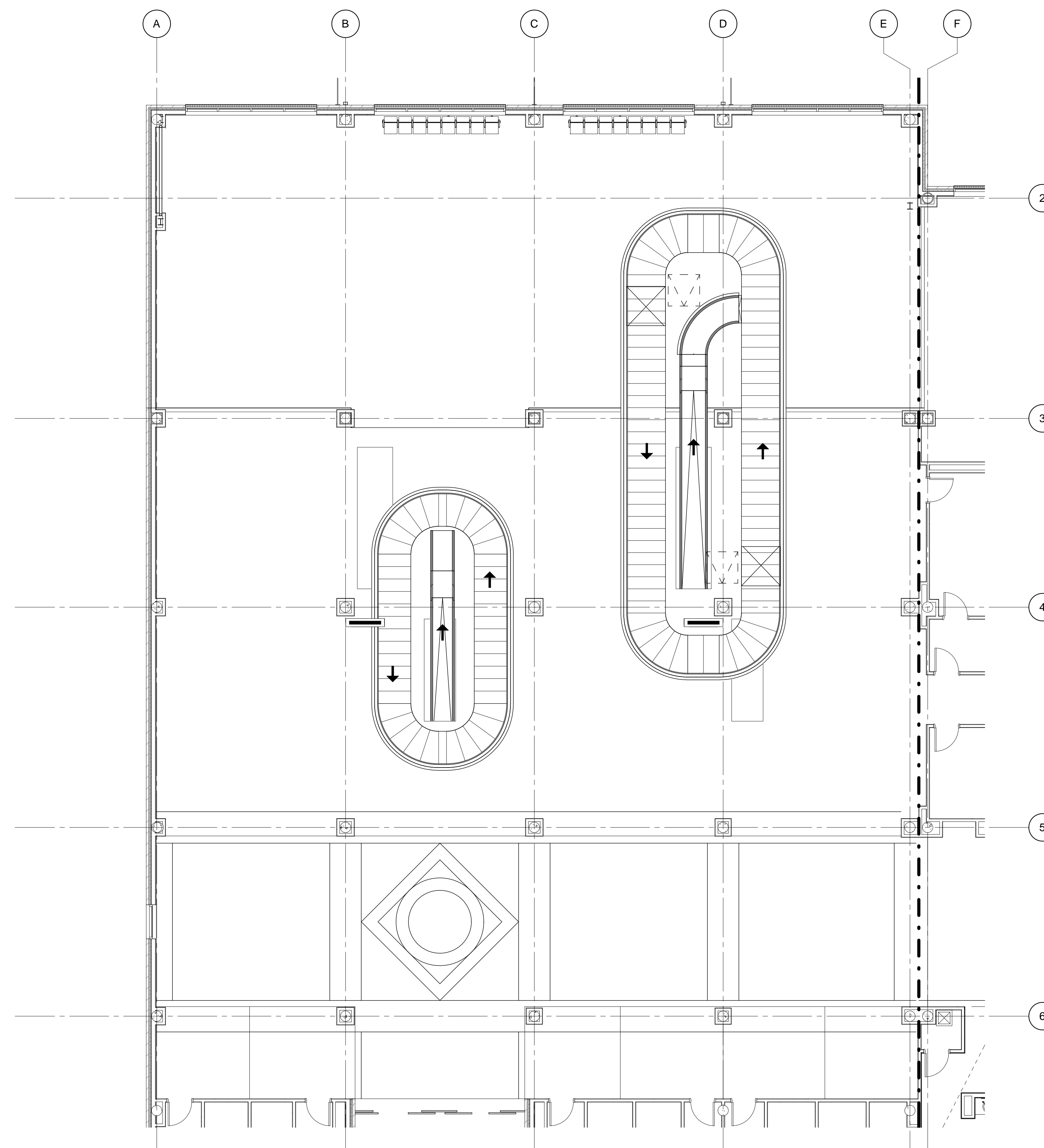


**2** BHS PHASING PLAN - SCHEDULE 2 PHASE 4 INSTALL - DEPARTURES / ARRIVALS LEVEL  
1/8" = 1'-0"

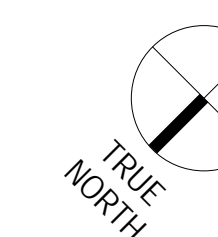




**1** BHS PHASING PLAN - SCHEDULE 2 PHASE 5 INSTALL - BASEMENT LEVEL  
1/8" = 1'-0"



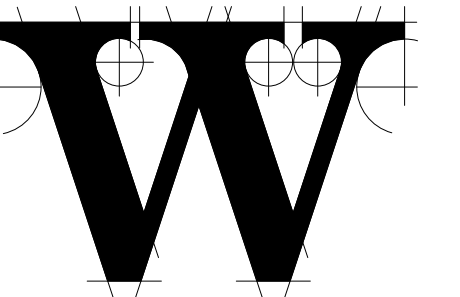
**2** BHS PHASING PLAN - SCHEDULE 2 PHASE 5 INSTALL - DEPARTURES / ARRIVALS LEVEL  
1/8" = 1'-0"





**TERMINAL IMPROVEMENTS CONTRACT 3**

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



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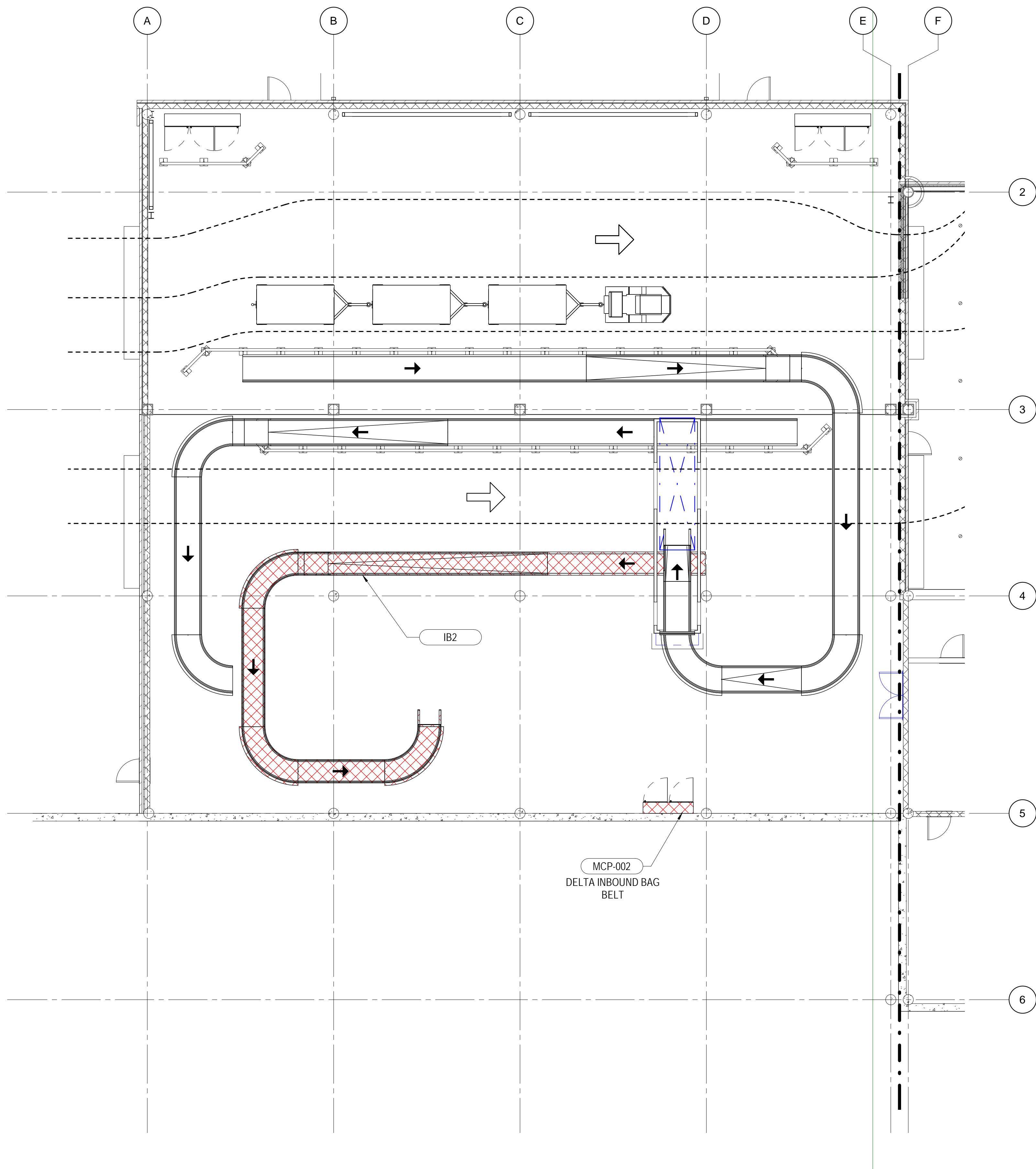
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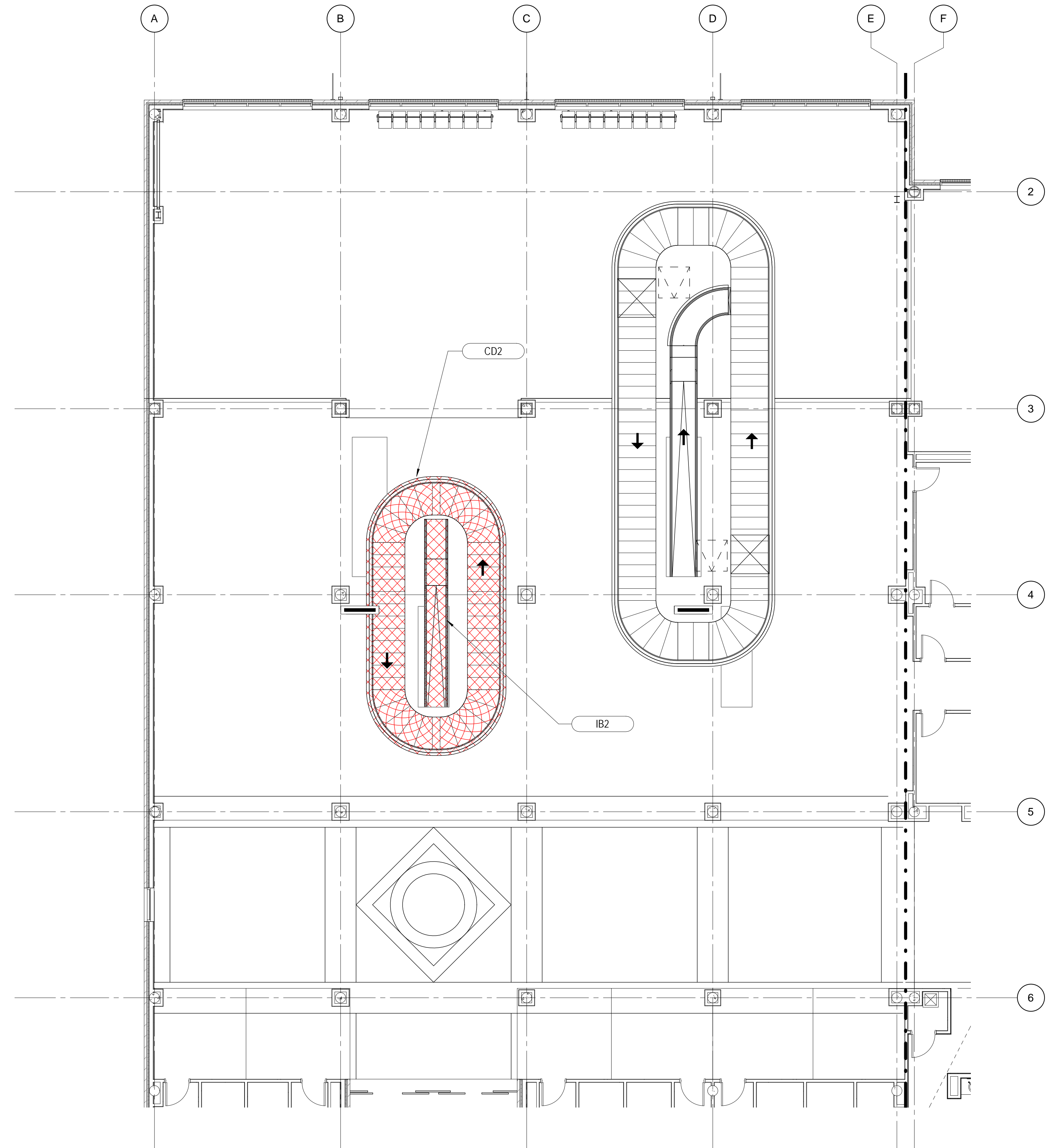
DATE 06/28/2019  
PROJECT NUMBER 2019020  
SHEET TITLE

**BAGGAGE HANDLING  
EQUIPMENT PHASING  
PLAN**

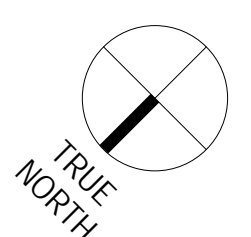
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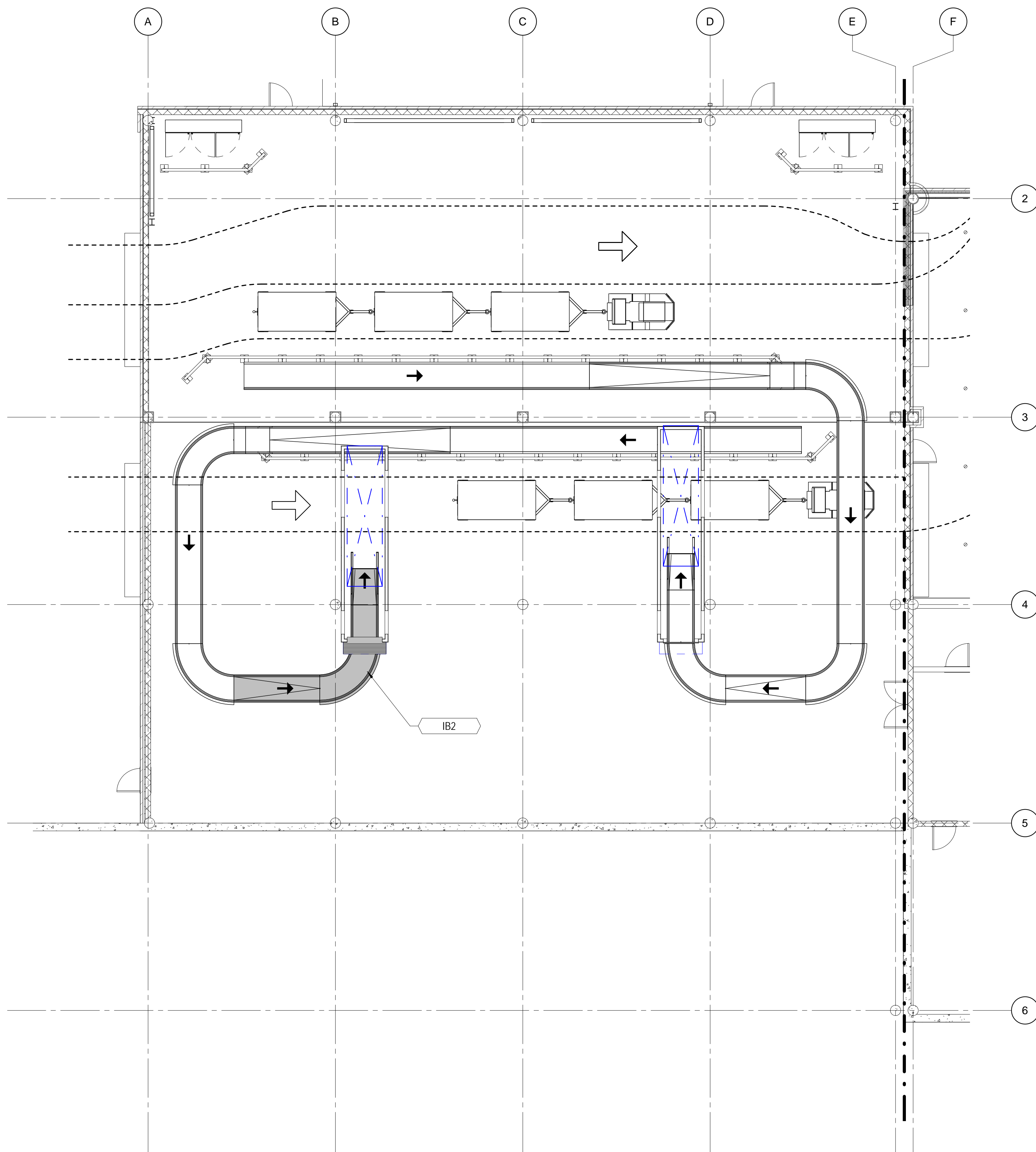


**1 BHS PHASING PLAN - SCHEDULE 2 PHASE 6 DEMO - BASEMENT LEVEL**  
1/8" = 1'-0"

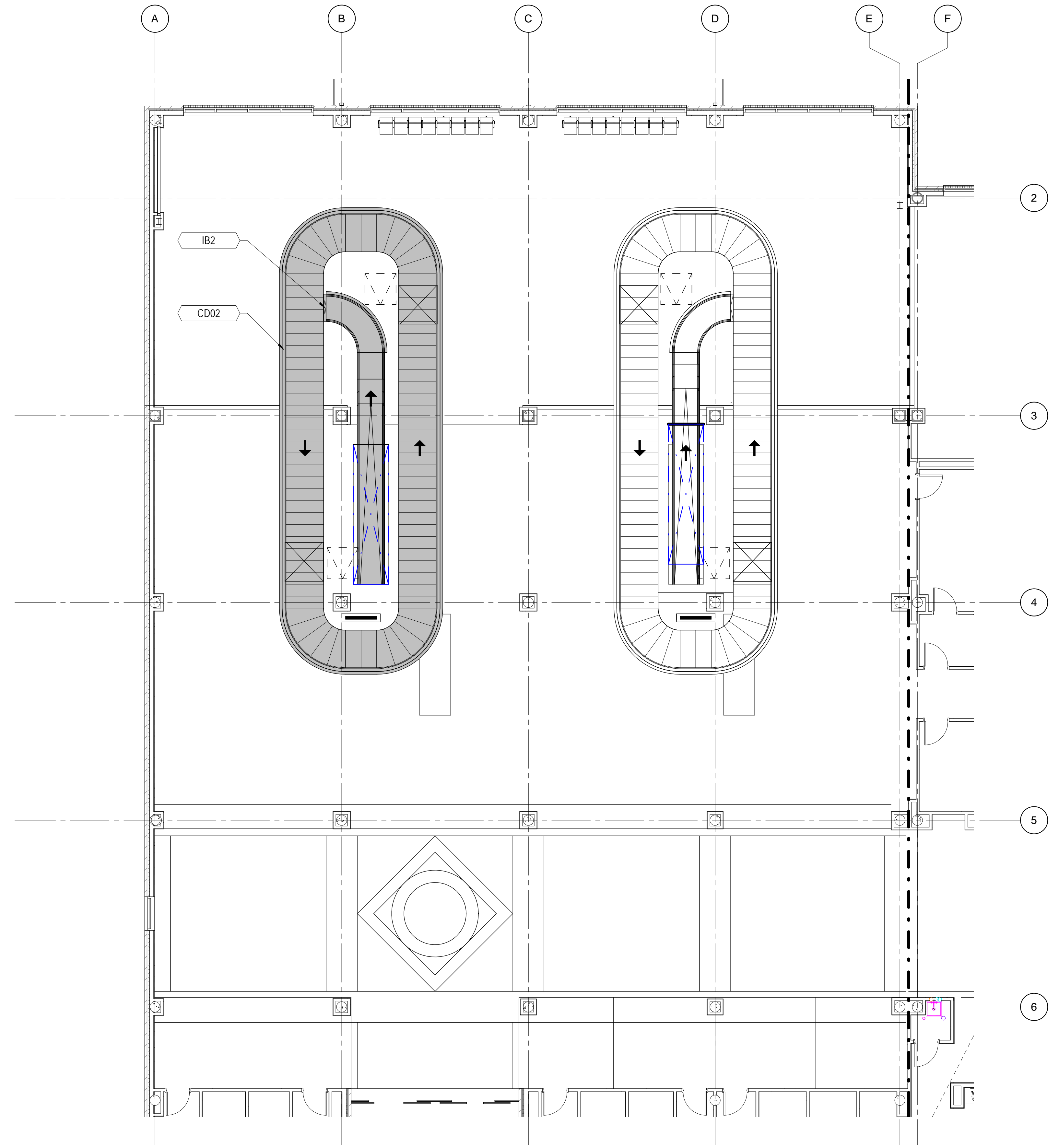


**2 BHS PHASING PLAN - SCHEDULE 2 PHASE 6 DEMO - DEPARTURES / ARRIVALS LEVEL**  
1/8" = 1'-0"





**1** BHS PHASING PLAN - SCHEDULE 2 PHASE 7 INSTALL - BASEMENT LEVEL  
1/8" = 1'-0"



**2** BHS PHASING PLAN - SCHEDULE 2 PHASE 7 INSTALL - DEPARTURES / ARRIVALS LEVEL  
1/8" = 1'-0"

