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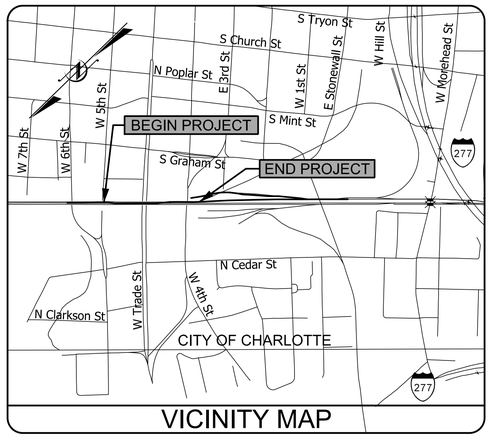
0012DEL_P28
1002ADD_P28

TIP PROJECT: P–5705BB

CONTRACT: C204058

REV #1: REVISE LETTING DATE

SEE P-5705BA & P-5705BB SHEET 1A FOR INDEX OF SHEETS



VICINITY MAP

STATE OF NORTH CAROLINA
RAIL DIVISION

MECKLENBURG COUNTY

LOCATION: CHARLOTTE GATEWAY STATION – PLATFORM AND CANOPY
TYPE OF WORK: STRUCTURES AND ARCHITECTURE

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	P-5705BB	1	

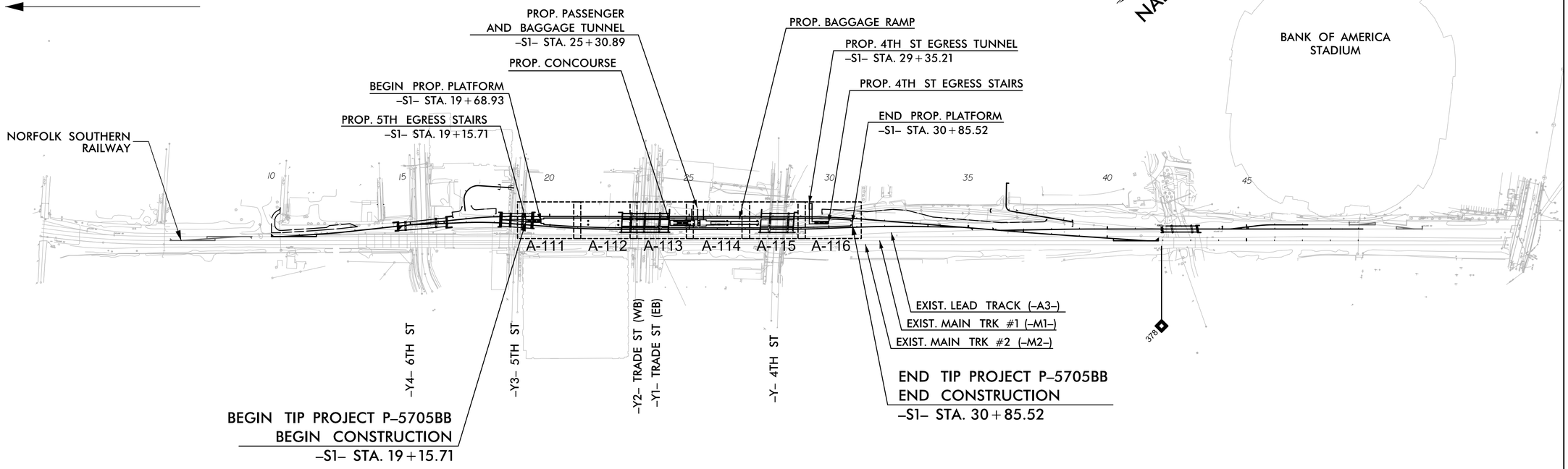
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
44475FHWA.3.1	STBGDA-1001(079)	CONST.

CHARLOTTE PROJ. NO.: TK1715009
STATE ID NO.: 17–17955–01A
PART 2 OF 2

NAD 83/NSRS 2007

TO KANNAPOLIS

TO GASTONIA



GRAPHIC SCALES

50 0 50 100
PLAN

50 0 50 100
PROFILE (HORIZONTAL)

5 0 5 10
PROFILE (VERTICAL)

PROJECT LENGTH

LENGTH OF STRUCTURES TIP PROJECT	0.222 MILES
TOTAL LENGTH OF RAIL TIP PROJECT	0.222 MILES

LENGTH MEASURED ALONG -S1-

NCDOT CONTACT: MATTHEW SIMMONS, P.E.
NCDOT PROJECT MANAGER

HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A

LETTING DATE: MAY 29, 2018

COREY VERNIER, P.E.
RAIL PROJECT ENGINEER
BLAIR WAGENBLAST, R.A.
PROJECT ARCHITECT
CHRISTOPHER PARK, P.E.
STRUCTURE PROJECT ENGINEER
DAVID HAWKINS, P.E.
STRUCTURE PROJECT ENGINEER
MATTHEW SIMMONS, P.E.
NCDOT PROJECT MANAGER

CORPORATE REGISTRATION

HNTB CORPORATION · REGISTERED ARCHITECTURAL CORPORATION · 50896 · NORTH CAROLINA · CHARLOTTE, N.C.

ARCHITECT

BLAIR WAGENBLAST · REGISTERED ARCHITECT · 13869 · NORTH CAROLINA · CHARLOTTE, N.C.

DocuSigned by: Blair Wagenblast
SIGNATURE: R.A.

5/14/2018 6:55:13 AM PDT

NC DEPARTMENT OF TRANSPORTATION
RAIL DIVISION
DESIGN AND CONSTRUCTION

0012DEL_P28

GENERAL NOTES

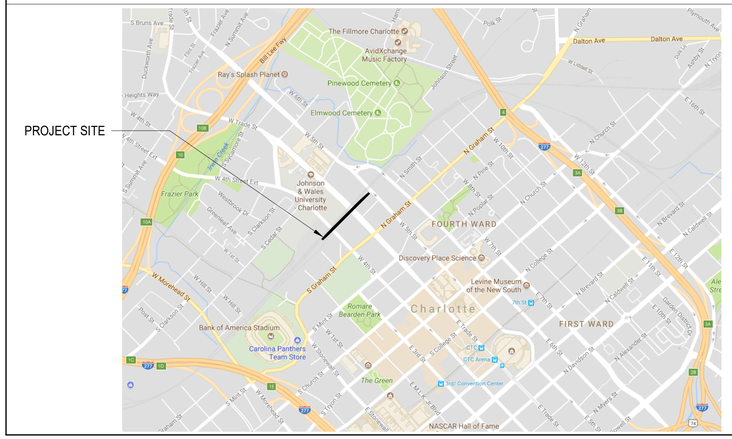
1. ALL WORK SHALL CONFORM TO:
   - A. NORTH CAROLINA STATE BUILDING CODE, 2012
   - B. NATIONAL FIRE PREVENTION ASSOCIATION (NFPA) 130-STANDARD FOR FIXED GUIDEWAY TRANSIT AND PASSENGER RAIL SYSTEM.
   - C. AMTRAK STATION PLANNING AND PROGRAM GUIDELINES
   - D. DOT ADA STANDARDS FOR TRANSPORTATION FACILITIES (DOTAS) 2006
   - E. ADA STANDARDS FOR ACCESSIBLE DESIGN 2010
   - F. ANSI A117.1, 2009
   - G. RULES AND REGULATIONS OF PUBLIC UTILITIES
   - H. RULES AND REGULATIONS OF THE CITY OF CHARLOTTE, NORTH CAROLINA
2. CONTRACTOR SHALL APPLY FOR, SECURE, AND PAY FOR ALL PERMITS AND/OR CERTIFICATES OF INSPECTION REQUIRED IN THE PERFORMANCE OF THE WORK BY ALL AUTHORITIES HAVING JURISDICTION.
3. ALL WORK SHALL BE GUARANTEED FOR TWELVE MONTHS AS DESCRIBED IN THE TWELVE MONTH GUARANTEE PORTION OF THE PROJECT SPECIAL PROVISIONS.
4. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL BUILDING CODES, RULES AND, REGULATIONS.
5. ALL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS IN DETERMINING THE FULL PROJECT SCOPE.
6. INDICATED SCALE APPLIES TO FULL SIZE DRAWING, (22"X34"). DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN.
7. SEE STRUCTURAL DRAWINGS FOR WALL DIMENSIONS NOT SHOWN.
8. CONTRACTOR IS TO PROTECT ALL AREAS IN SUCH A MANNER AS TO ELIMINATE HAZARDS TO PERSONS AND PROPERTY; TO MINIMIZE INTERFERENCE WITH ADJACENT AREAS, UTILITIES, AND STRUCTURES.
9. CONTRACTOR SHALL MAINTAIN A SAFE AND SECURE WORK AREA AT ALL TIMES.
10. ALL DIMENSIONS ARE TO FACE OF FINISHES OR FRAMING MATERIAL, UNLESS OTHERWISE NOTED.
11. ALL PENETRATIONS THROUGH RATED WALLS, CEILINGS OR FLOORS SHALL BE PROTECTED AND/OR SEALED WITH MATERIAL OF THE SAME FIRE RATING, USING A UL APPROVED DETAIL.
12. SLOPE GRADING & PAVING AWAY FROM STATION ENTRANCE AND OTHER OPENINGS AND APPURTENANCES.
13. PROVIDE ISOLATION BETWEEN DISSIMILAR METALS (TYPICAL).
14. PROVIDE TEMPORARY RAILINGS AROUND ALL FLOOR OPENINGS IN COMPLIANCE WITH OSHA REGULATIONS.

PHASING

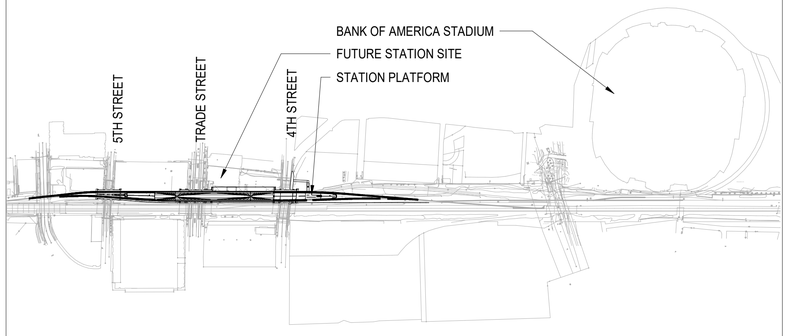
1. THE INTENT OF THIS DESIGN IS TO PROVIDE THE INFRASTRUCTURE FOR A FUTURE CONNECTED STATION. THE PROJECT, AS BUILT, IS NOT HABITABLE OR FUNCTIONAL AS A BOARDING PLATFORM.
2. SUBSEQUENT PHASES WILL INCLUDE THE CANOPY, PLATFORM HEADHOUSES, SIGNAGE, MECHANICAL, ELECTRICAL, PLUMBING, AND VERTICAL CIRCULATION.
3. ALL OPENINGS IN THIS WORK, INTENDED TO ACCOMODATE FUTURE WORK, SHALL BE FULLY PROTECTED IN STRICT COMPLIANCE WITH ALL OSHA REGULATIONS

DRAWING INDEX

VICINITY MAP



LOCATION MAP



PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL COMPANY 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

Docusigned by: Blair Wagenblast 3/27/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ARCHITECTURAL GENERAL NOTES AND INDEX

HNTB NORTH CAROLINA, P.C.
NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18

DWG. NO. 01

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-001
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

ARCHITECTURAL ABBREVIATIONS

@	AT
∠	ANGLE
℄	CENTERLINE
⊏	CHANNEL
°	DEGREES
Ø	DIAMETER
⊥	PERPENDICULAR
PL	PLATE
㎡	SQUARE FEET

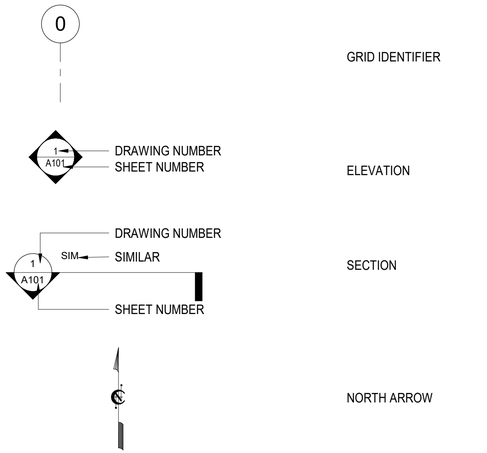
AVE	AVENUE
ABV	ABOVE
A.F.F	ABOVE FINISHED FLOOR
A.S.C	ABOVE SUSPENDED CEILING
A.S.T.M	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ACC	ACCESS
A.P	ACCESS PANEL
AC	ACOUSTIC, ACOUSTICAL
ADA	AMERICANS WITH DISABILITES ACT
ADD'L	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
AGG	AGGREGATE
ALT	ALTERNATE
AL, ALUM	ALUMINUM
A.B	ANCHOR BOLT
ANCH	ANCHOR
ANOD	ANODIZED
ARCH	ARCHITECT, ARCHITECTURAL
A/E	ARCHITECT/ENGINEER
AD	AREA DRAIN
AUTO	AUTOMATIC
AUX	AUXILIARY
APPROX	APPROXIMATE
BM	BEAM
BEL	BELOW
BTW	BETWEEN
BVL	BEVELED
BLKG	BLOCKING
BD	BOARD
B.S	BOTH SIDES
BOT, BTM	BOTTOM
BRZ	BRONZE
BLDG	BUILDING
B.M	BENCHMARK
BLVD, BL	BOULEVARD
CAB	CABINET
C.I	CAST IRON
C.I.P	CAST-IN-PLACE (CONCRETE)
C.B	CATCH BASIN
CLG	CEILING
CHAM	CHAMFER
CLR	CLEAR, CLEARANCE
C.C.T.V	CLOSED CIRCUIT T.V. CAMERA
COL	COLUMN
COMPO	COMPOSITION
CONC	CONCRETE
C.M.U	CONCRETE MASONRY UNIT
C.O	CONVENIENCE OUTLET, CLEAN OUT
CONST	CONSTRUCTION
CONT	CONTINUE, CONTINUOUS
C.J	CONTROL JOINT
CPR	COPPER
C.G	CORNER GUARD
C.L	CHAIN LINK
C.R	CARD READER
CTSK	COUNTERSUNK SCREW
CEM	CEMENT
CER	CERAMIC
C & S	COMMUNICATIONS & SIGNALING

DEG OR °	DEGREE
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DTA	DOVETAIL ANCHOR
DTS	DOVETAIL ANCHOR SLOT
DWG	DRAWING
D.F	DRINKING FOUNTAIN
DN	DOWN
D.I	DRAIN INLET
EA	EACH
E	EAST
ELECT	ELECTRIC, ELECTRICAL
EL.	ELEVATION
ELEV	ELEVATOR
EMERG	EMERGENCY
EQ	EQUAL
EQUIP	EQUIPMENT
ESC	ESCALATOR
E TEL	EMERGENCY TELEPHONE
E.O.P	END OF PLATFORM
EXH	EXHAUST
EXIST (E)	EXISTING
E.B	EXPANSION BOLT
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR
F.O	FACE OF
F.O.C	FACE OF CONCRETE
F.O.F	FACE OF FINISH
F.O.M	FACE OF MASONRY
F.O.S	FACE OF STUDS
FT	FEET, FOOT
F.H	FLAT HEAD/FIRE HYDRANT
FIN	FINISH, FINISHED
F.F.E	FINISH FLOOR ELEVATION
F.F.L	FINISH FLOOR LINE
F.A	FIRE ALARM
F.R	FIRE-RATED
F.E.C	FIRE EXTINGUISHER CABINET
F.H.C	FIRE HOSE CABINET
FLG	FLASHING
F.C	FLEXIBLE CONNECTION
FLR,	FLOOR, FLOORING
FL CO	FLOOR CLEANOUTS
F.D	FLOOR DRAIN
FLUOR	FLUORESCENT
F.A.I	FRESH AIR INTAKE
F.S	FLOOR SINK
F.B.O	FURNISHED BY OTHERS
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
G.S.M	GALVANIZED SHEET METAL
GL	GLASS, GLAZING
G.L	GRID LINE
G.B	GRAB BAR
GRN	GRANITE
GYP	GYPSUM
GEN	GENERAL
GRD	GROUND
G.F.R.C	GLASS FIBER REINFORCED CONCRETE
HH	HANDHOLE
HDW	HARDWARE
HDR	HEADER
H.V.A.C	HEATING/VENTILATING/ AIR CONDITIONING
H.D	HEAVY DUTY
HT	HEIGHT
HX	HEXAGONAL
H.M	HOLLOW METAL
HORIZ	HORIZONTAL
H.B	HOSE BIBB
H.W.P	HIGH WORKING POINT
H.P	HIGH POINT
H.D.P.E	HIGH DENSITY POLYETHYLENE MEMBRANE

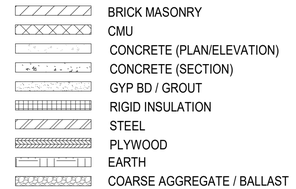
I.D	INSIDE DIAMETER
INSUL	INSULATE, INSULATED, INSULATION
INT	INTERIOR
INV	INVERT
IN OR ' '	INCH, INCHES
INCL	INCLUDING
J.C	JANITOR'S CLOSET
J	JOINT
J.F	JOINT FILLER
K.O.P	KNOCKOUT PANEL
LVL	LEVEL
LTG	LIGHTING
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LT	LIGHT
LW	LIGHTWEIGHT
L.P	LOW POINT
L.W.P	LOWER WORKING POINT
L	LENGTH
LIN	LINEAR
LONGIT	LONGITUDINAL
L.L.H	LONG LEG HORIZONTAL
L.L.V	LONG LEG VERTICAL
MH	MANHOLE
MFR	MANUFACTURER
M.O	MASONRY OPENING
MAX	MAXIMUM
MECH	MECHANIC, MECHANICAL
MED	MEDIUM
MTL, MET	METAL
MCS	METAL CEILING SYSTEM
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MTD	MOUNT, MOUNTED
MTG	MOUNTING
MEZZ	MEZZANINE
N.R.C	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
N/R	NON-RATED
N/A	NOT APPLICABLE
NO., #	NUMBER
N	NORTH
N.I.C	NOT IN CONTRACT
NS	NORFOLK SOUTHERN
N.T.S	NOT TO SCALE
NB TRK	NORTHBOUND TRACK
O/	OVER
O.A.I	OUTSIDE AIR INTAKE
OBS	OBSCURE
O.C	ON CENTER, CENTERS
O.D.	OVERFLOW DRAIN
OP	OPAQUE
OPNG	OPENING
OPP	OPPOSITE
O.D	OUTSIDE DIAMETER
O.A	OVERALL
O.S.A	OUTSIDE SUPPLY AIR
PROJ	PROJECTION
PVC	POLYVINYL CHLORIDE
PAR	PARALLEL
PART	PARTIAL
PNT	PAINT
PNL	PANEL
PIDS	PASSENGER INFORMATION DISPLAY SYSTEM
PERF	PERFORATE, PERFORATED
P LAM	PLASTIC LAMINATE
PL	PLATE
PLUM	PLUMBING
PT	POINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PROP	PROPERTY
P.S	POINT OF SWITCH
P.L	PROPERTY LINE
PC	PRECAST
LB OR LBS	POUND, POUNDS
PLATF	PLATFORM
P/A	PUBLIC ADDRESS
Q.T	QUARRY TILE

RT	RIGHT
RAD, R	RADIUS
REF.	REFERENCE
REFL	REFLECT, REFLECTED, REFLECTIVE, REFLECTOR
RES	RESILIENT
REINF	REINFORCING
REV	REVISION, REVISIONS, REVISED, REVERSE
R.O.W	RIGHT-OF-WAY
R	RISER, RADIUS
R.D	ROOF DRAIN
RFG	ROOFING
RM	ROOM
R.O	ROUGH OPENING
R.B	RUBBER BASE
REQ'D	REQUIRED
RD	ROAD
RCP	REFLECTED CEILING PLAN
S.F	SQUARE FEET
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
S	SOUTH
SPEC	SPECIFICATION, SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STA	STATION (ALIGNMENT)
STL	STEEL
STRUCT	STRUCTURAL
SYM	SYMMETRY, SYMMETRICAL
S.S.	STAINLESS STEEL
ST	STREET
SCHED	SCHEDULE
SPKR	SPEAKER
SB TRK	SOUTHBOUND TRACK
T.D.D	TELECOMMUNICATION DEVICE FOR THE DEAF
TEL	TELEPHONE
TV	TELEVISION
TL	TILE
THK	THICK, THICKNESS
T.O.S	TOP OF STEEL
T.O.C	TOP OF CONCRETE
T.O.W	TOP OF WALL
T	TREAD
TYP	TYPICAL
T/R, T.O.R	TOP OF RAIL
T.D	TRENCH DRAIN
TEMP.	TEMPORARY
TERR	TERRAZZO (EPOXY)
U/S	UNDERSIDE
UL	UNDERWRITERS LABORATORY
UR	URINAL
U.N.O	UNLESS NOTED OTHERWISE
U.W.P	UPPER WORKING POINT
V.P.C	VITRIFIED POLYMER COMPOSITE
V.C.T	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
V.M.S	VARIABLE MESSAGE SIGN
W.S.P	WET STAND PIPE
WT	WALL TILE
WP	WATERPROOFING
W.W.M	WELDED WIRE MESH
W.W.F	WELDED WIRE FABRIC
W	WEST, WIDTH
W/O	WITHOUT
WD	WOOD
W.P	WORKING POINT
W/	WITH

SYMBOLS



LEGEND



PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

Digitally signed by Blair Wagenblast 3/27/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18

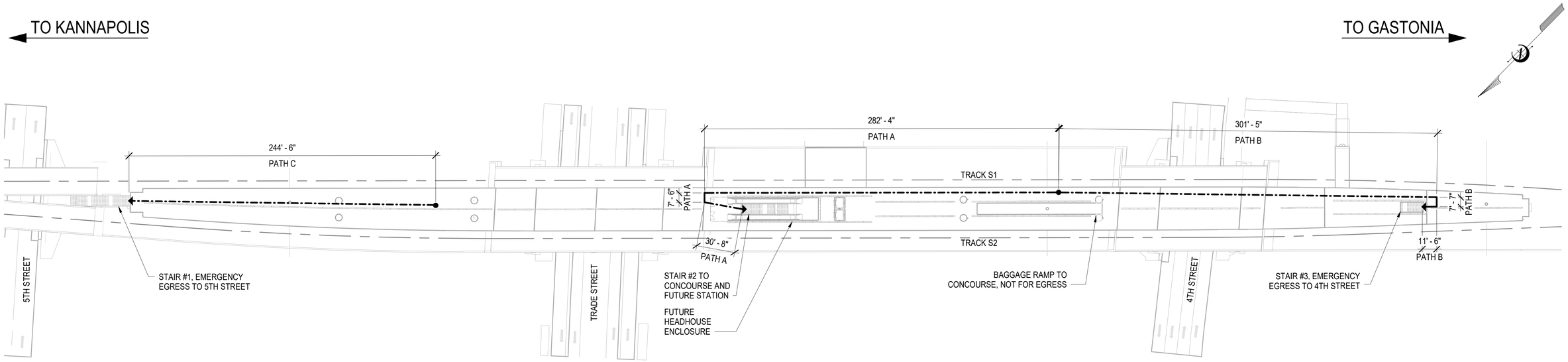
DWG. NO. 02

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

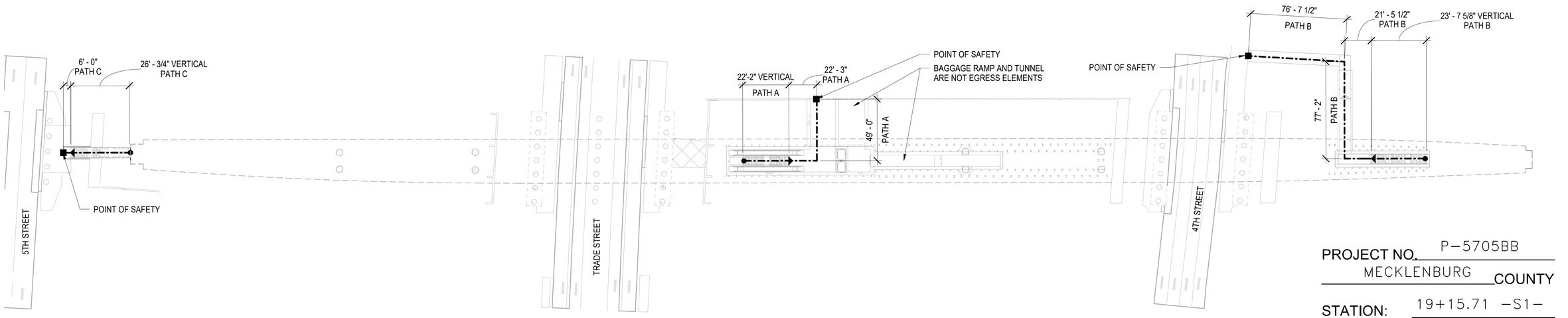
ABBREVIATIONS, SYMBOLS AND LEGENDS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-002
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-005 EGRESS PLAN - PLATFORM
SCALE: 1" = 40'-0" 0 20' 40' 60' 80'



2 A-005 EGRESS PLAN - CONCOURSE
SCALE: 1" = 40'-0" 0 20' 40' 60' 80'

NOTE:
1. REFER TO EGRESS REPORT FOR FULL EGRESS ANALYSIS.
2. STATION EGRESS IS CALCULATED PER NPFA 130.
3. SINCE THE PLATFORM AND CONCOURSE WILL NOT BE FUNCTIONAL AS BUILT, BUILDING CODE SUMMARY IS NOT REQUIRED BY THE STATE CONSTRUCTION OFFICE.

EGRESS PATH SUMMARY	PATH A	PATH B	PATH C
PLATFORM TO STAIRS	320.5 FT	320.5 FT	244.5 FT
STAIRS TO GRADE (VERTICAL)	22.167 FT	23.64 FT	26.0625 FT
BOTTOM OF STAIRS TO POINT OF SAFETY	71.25 FT	175.25 FT	6 FT

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
Document ID: Blair Wagenblast 3/27/2018
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DWG. NO. 03

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

EGRESS PLANS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-005
1			3			TOTAL SHEETS
2			4			35

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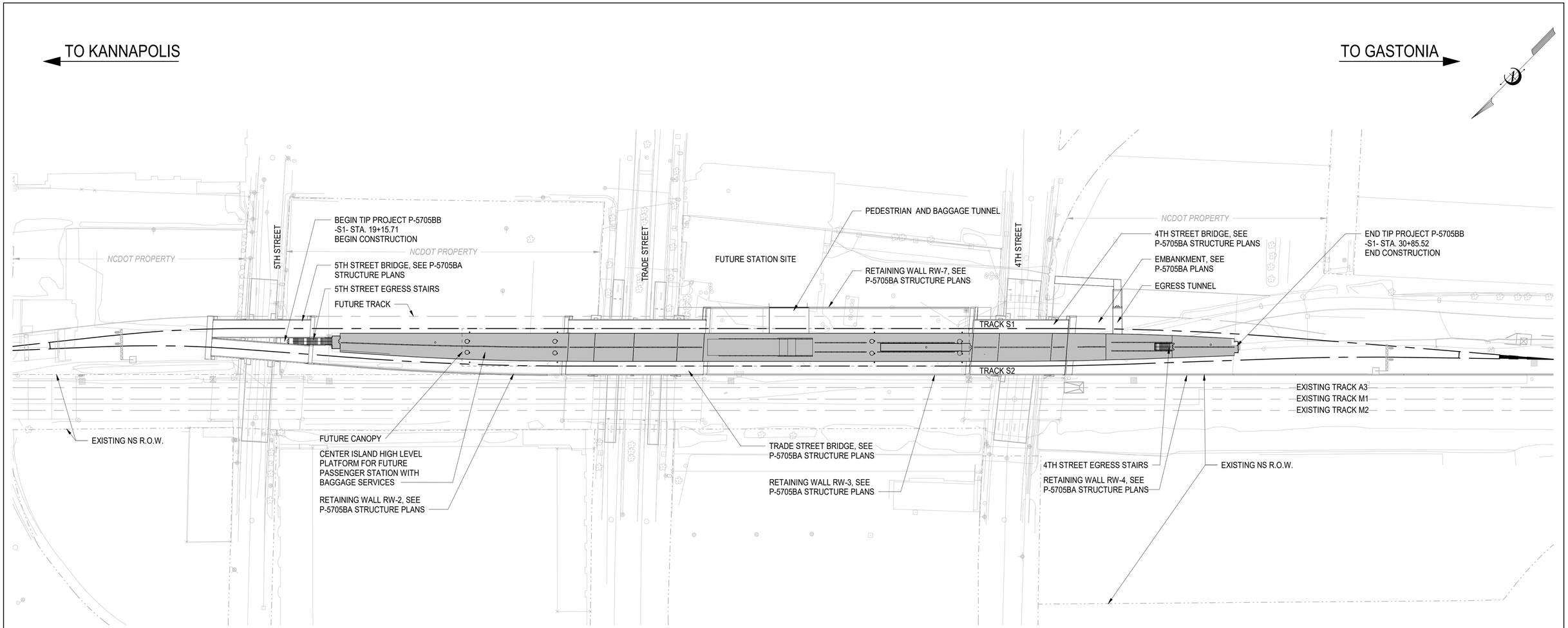

1 A-101 SITE PLAN
SCALE: 1" = 60'-0" 0 30' 60' 90' 120'

TOTAL BILL OF MATERIALS												
	TACTILE WARNING SURFACE	RUB RAIL	PLATFORM PAINT	PLATFORM EXPANSION JOINTS	ABRASIVE METAL NOSINGS	8'-0" STAINLESS STEEL GATES	3'-6" STAINLESS STEEL GATES	STAINLESS STEEL RAILINGS	STAINLESS STEEL HANDRAILS	STAINLESS STEEL ENCLOSURE	HINGE	PANIC DEVICE
	LF	LF	LF	LF	LF	EA	EA	LF	LF	SF	EA	EA
PLATFORM & CONCOURSE	2200	2200	2200	315	999	2	3	368	370	442	30	4

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
Document ID: Blair Wagenblast 3/27/2018
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CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 04

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SITE PLAN AND TOTAL BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-101
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

1 A-110 **OVERALL PLATFORM PLAN**
SCALE: 1" = 40'-0"

PROJECT NO. P–5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 –S1–

NOTES:

1. STATIONING IS BASED ON -S1- ALIGNMENT.

HNTB CORPORATION 50896 CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
3/27/2018

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NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY J. OCHIENG DATE 3/27/18
CHECKED BY B. WAGENBLAST DATE 3/27/18
DWG. NO. 05

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OVERALL PLATFORM PLAN

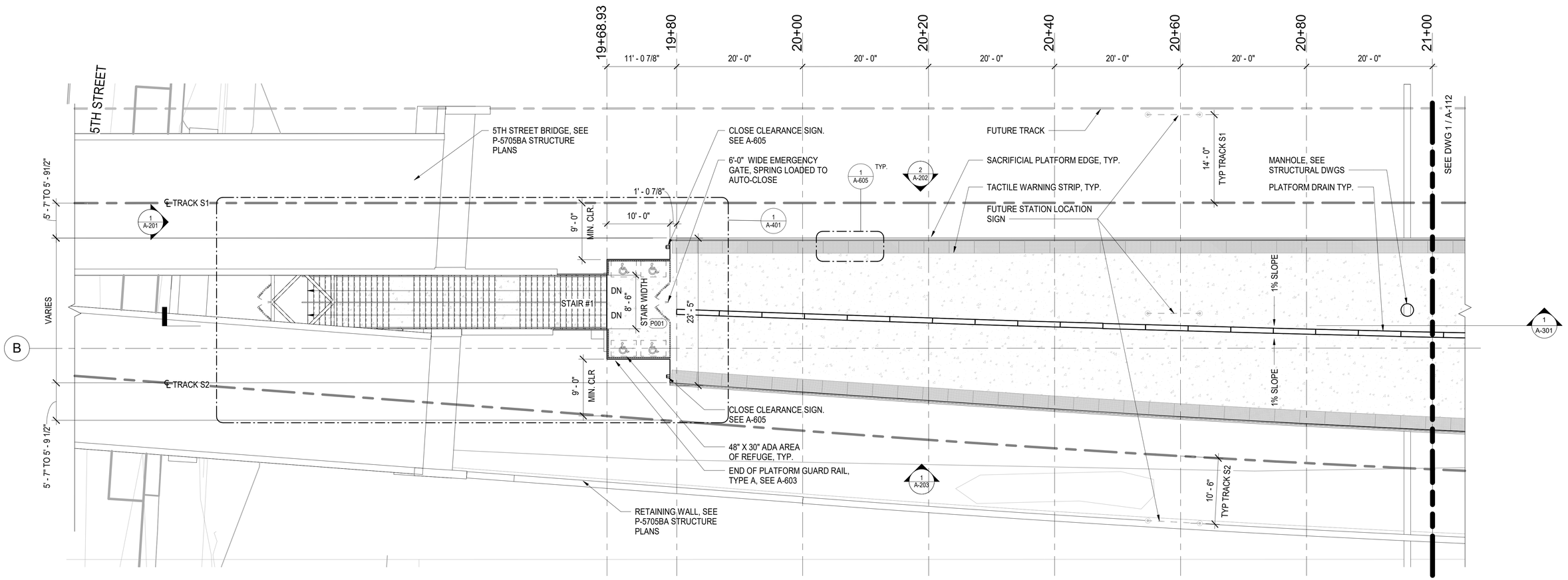
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

SHEET NO. A–110
TOTAL SHEETS 35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

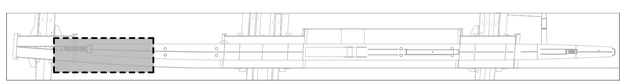


1 A-111 ENLARGED PLATFORM PLAN 1

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 1 OF 6

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C. 3/27/2018

Documents not for bidding or negotiation purposes. Blair Wagenblast

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DWG. NO. 06

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

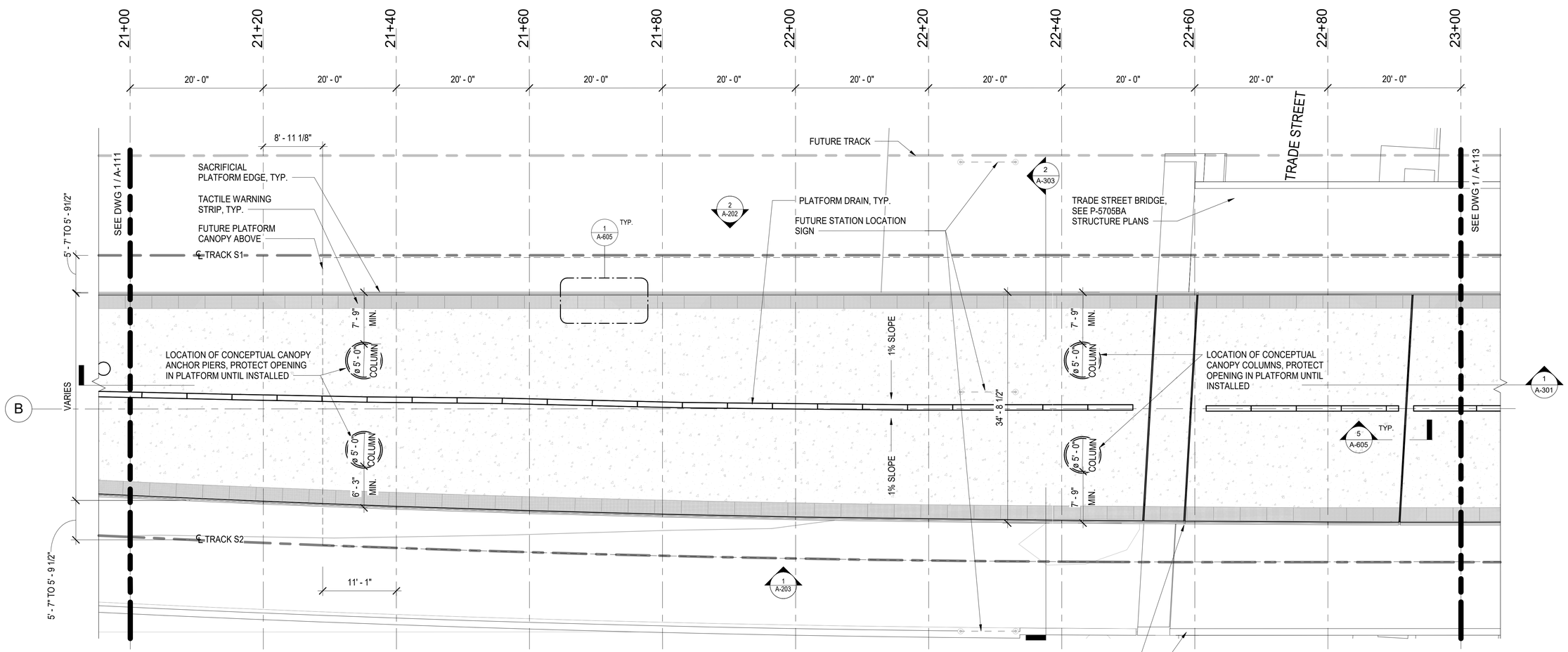
ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-111
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

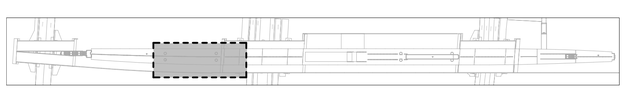


1 A-112 ENLARGED PLATFORM PLAN 2

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 2 OF 6

4/5/2018

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BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

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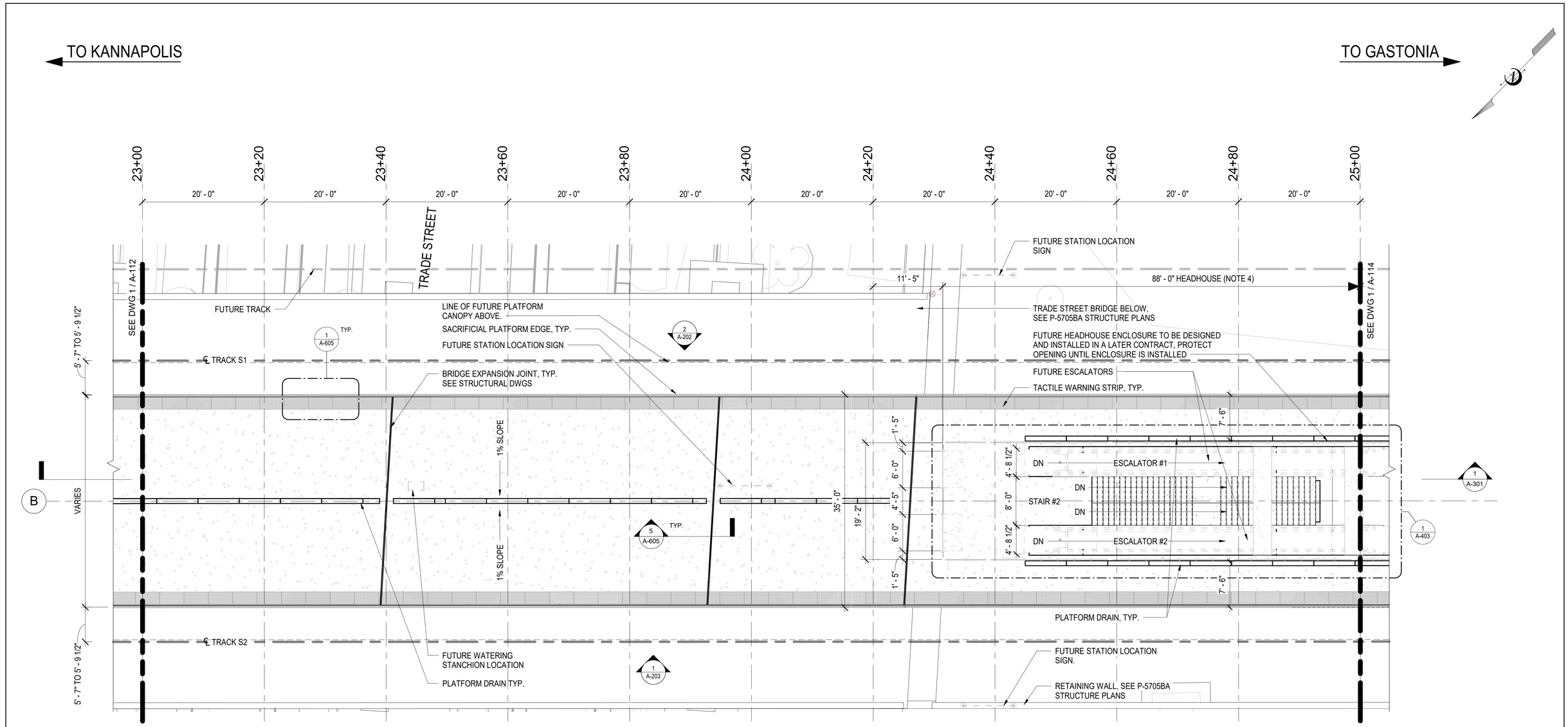
DWG. NO. 07

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-112
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

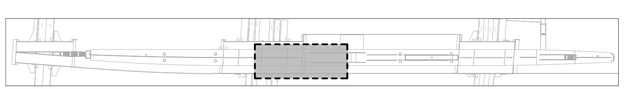


1 A-113 ENLARGED PLATFORM PLAN 3

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.
4. HEADHOUSE AND ELEVATOR DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. ACTUAL DIMENSIONS HAVE NOT BEEN FINALIZED.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 3 OF 6

HNTB CORPORATION 50896 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST 13869 REGISTERED ARCHITECT NORTH CAROLINA CHARLOTTE, N.C.

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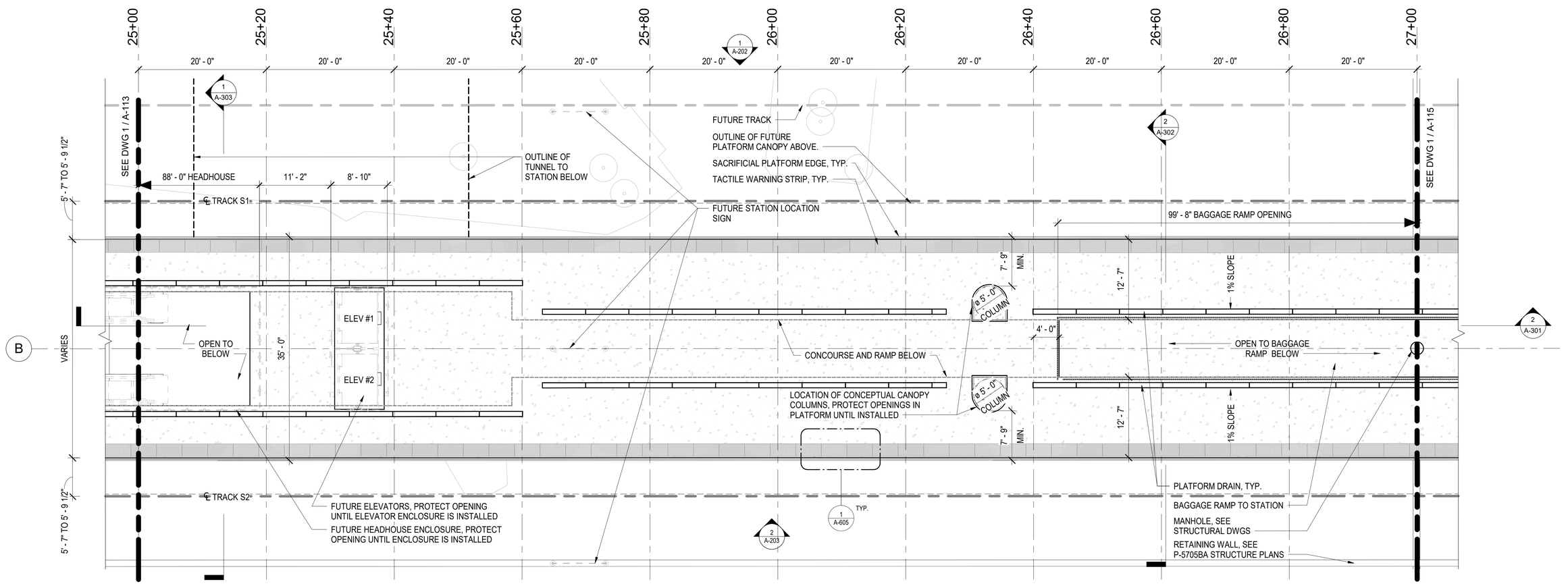
ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-113
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

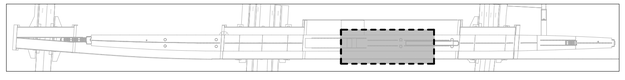


1 / A-114 ENLARGED PLATFORM PLAN 4

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.
4. HEADHOUSE AND ELEVATOR DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. ACTUAL DIMENSIONS HAVE NOT BEEN FINALIZED.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 4 OF 6

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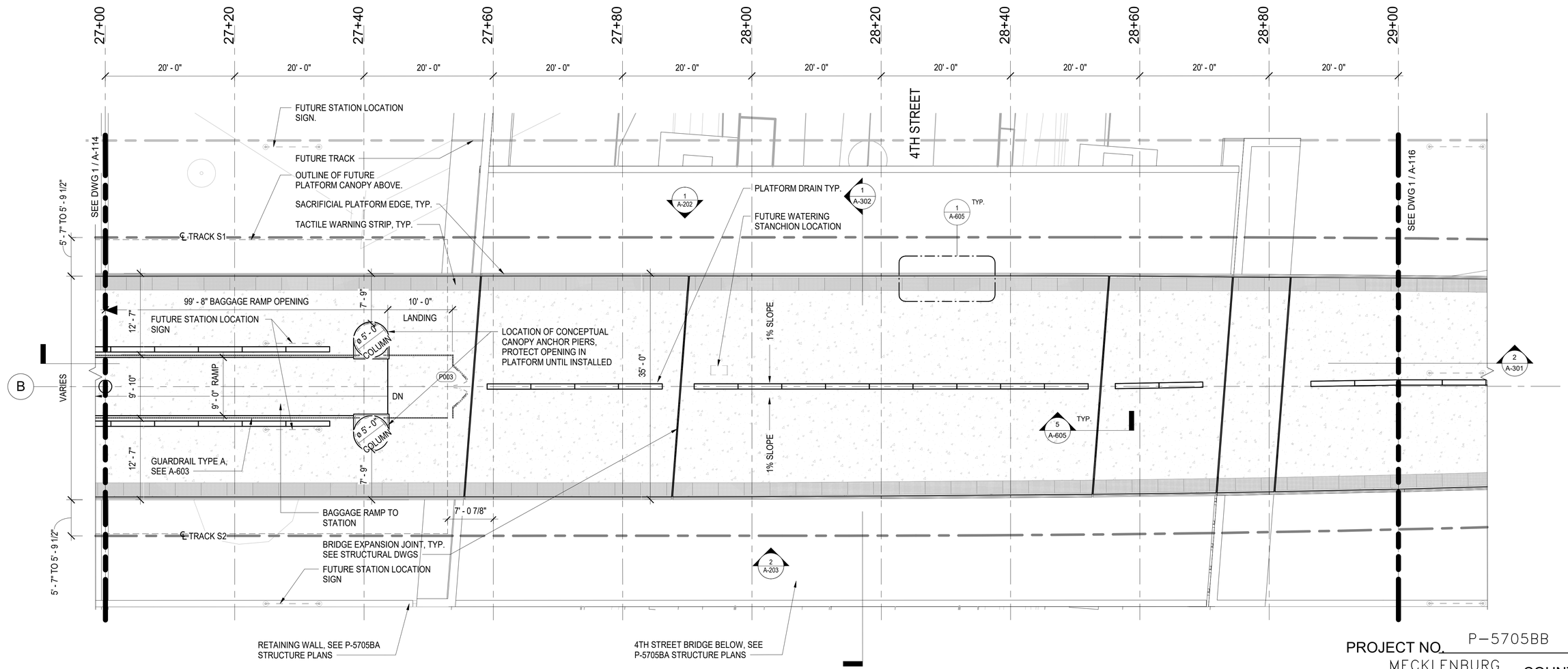
ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-114
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

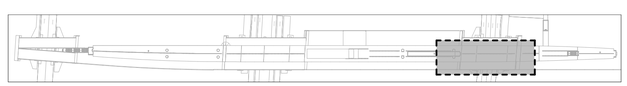


1 A-115 ENLARGED PLATFORM PLAN 5

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 5 OF 6

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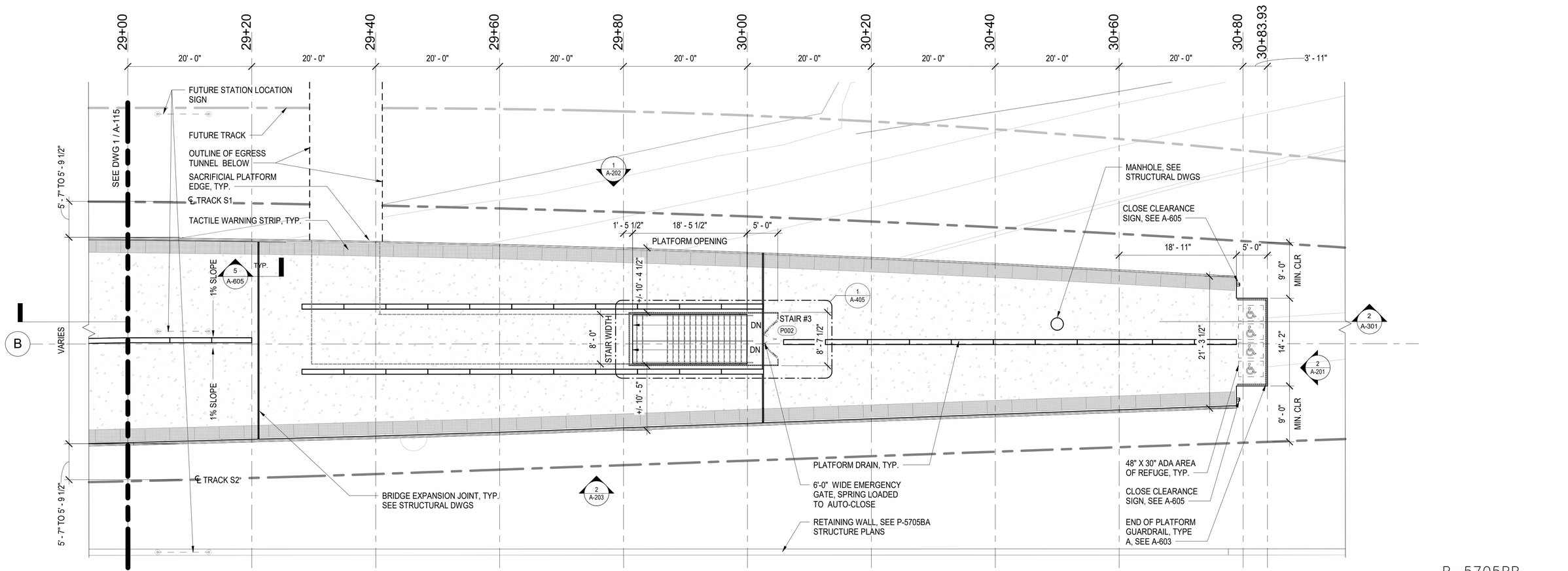
ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-115
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA



1 / A-116 ENLARGED PLATFORM PLAN 6

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

PROJECT NO. P-5705BB

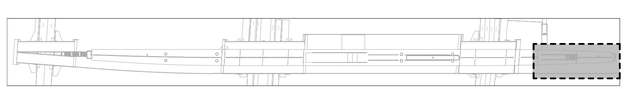
MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 6 OF 6

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.



KEY PLAN

4/5/2018

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

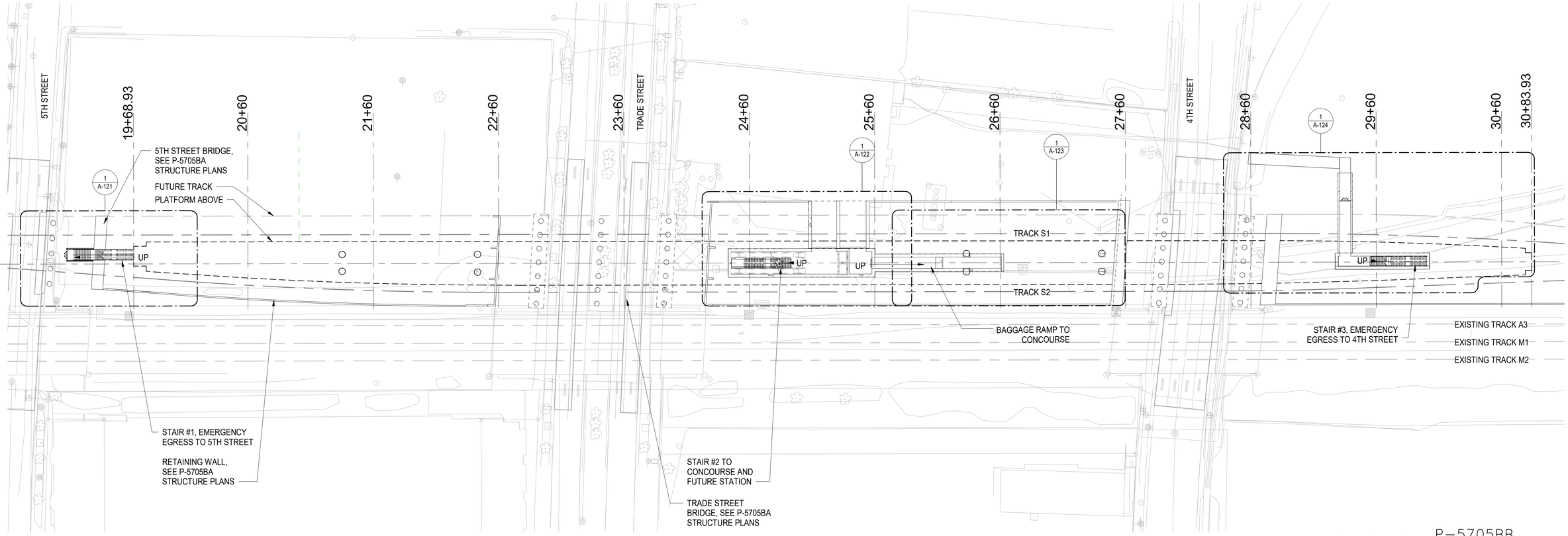
ENLARGED PLATFORM PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-116
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA



1 A-120 OVERALL CONCOURSE PLAN

SCALE: 1" = 40'-0" 0 20' 40' 80' 80'

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

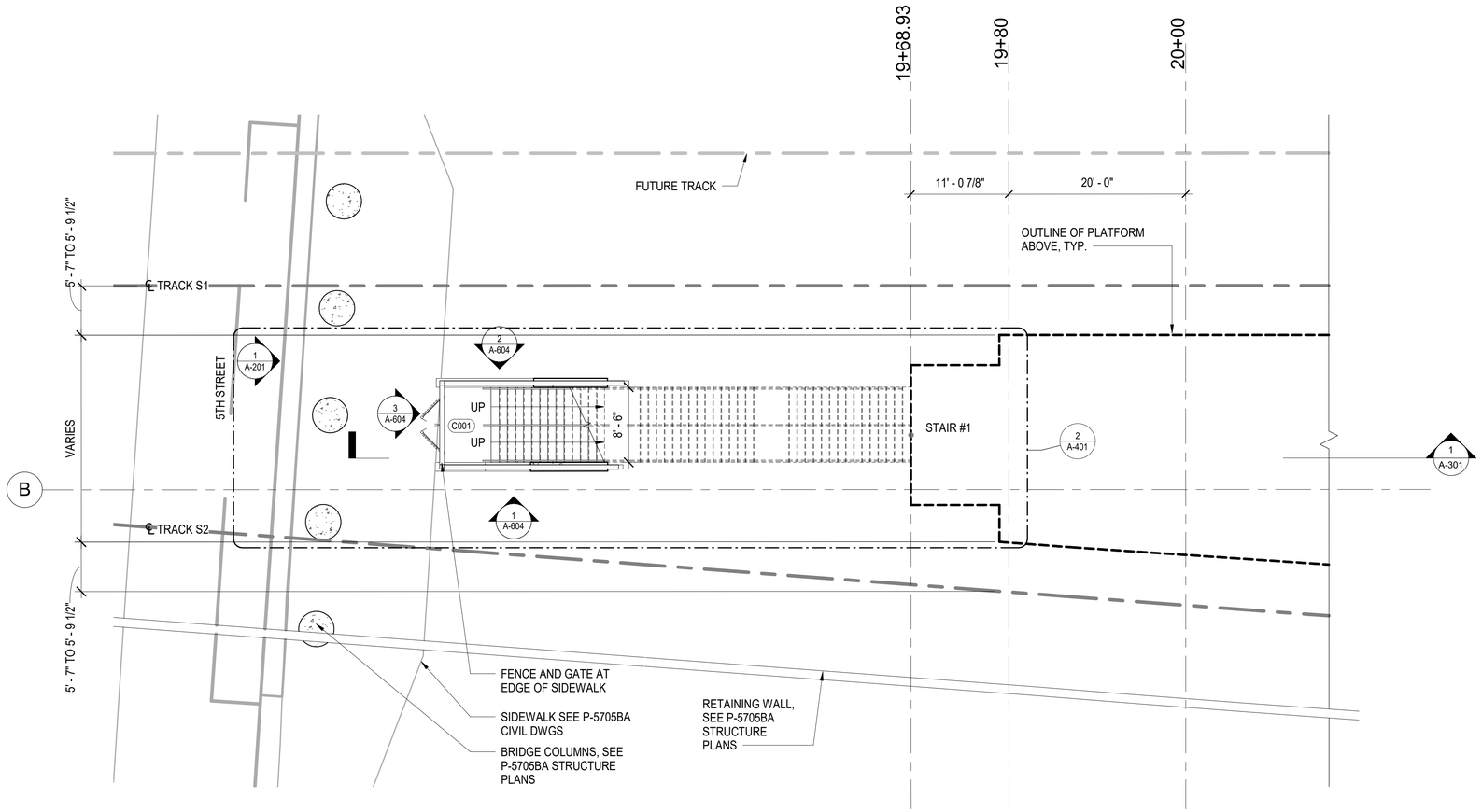
OVERALL CONCOURSE PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-120
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

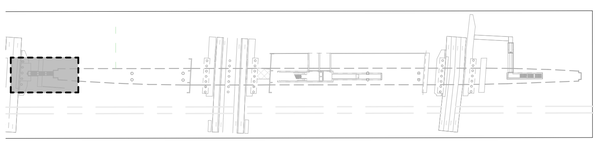


1 A-121 ENLARGED CONCOURSE PLAN 1

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 1 OF 4

HNTB CORPORATION ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

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STATE OF NORTH CAROLINA
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RALEIGH

ENLARGED CONCOURSE PLAN

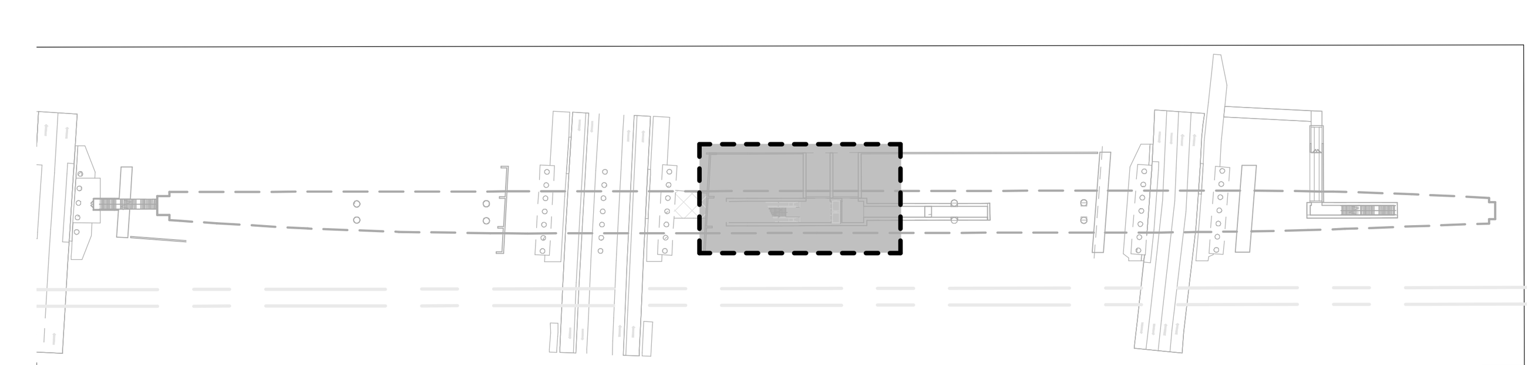
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-121
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

1 ENLARGED CONCOURSE PLAN 2
A-122 SCALE: 1/8" = 1'-0"

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.
4. HEADHOUSE AND ELEVATOR DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. ACTUAL DIMENSIONS HAVE NOT BEEN FINALIZED.



KEY PLAN

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

SHEET 2 OF 4

HNTB CORPORATION 50896 CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ENLARGED CONCOURSE PLAN

HNTB NORTH CAROLINA, P.C.
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DWG. NO. 14

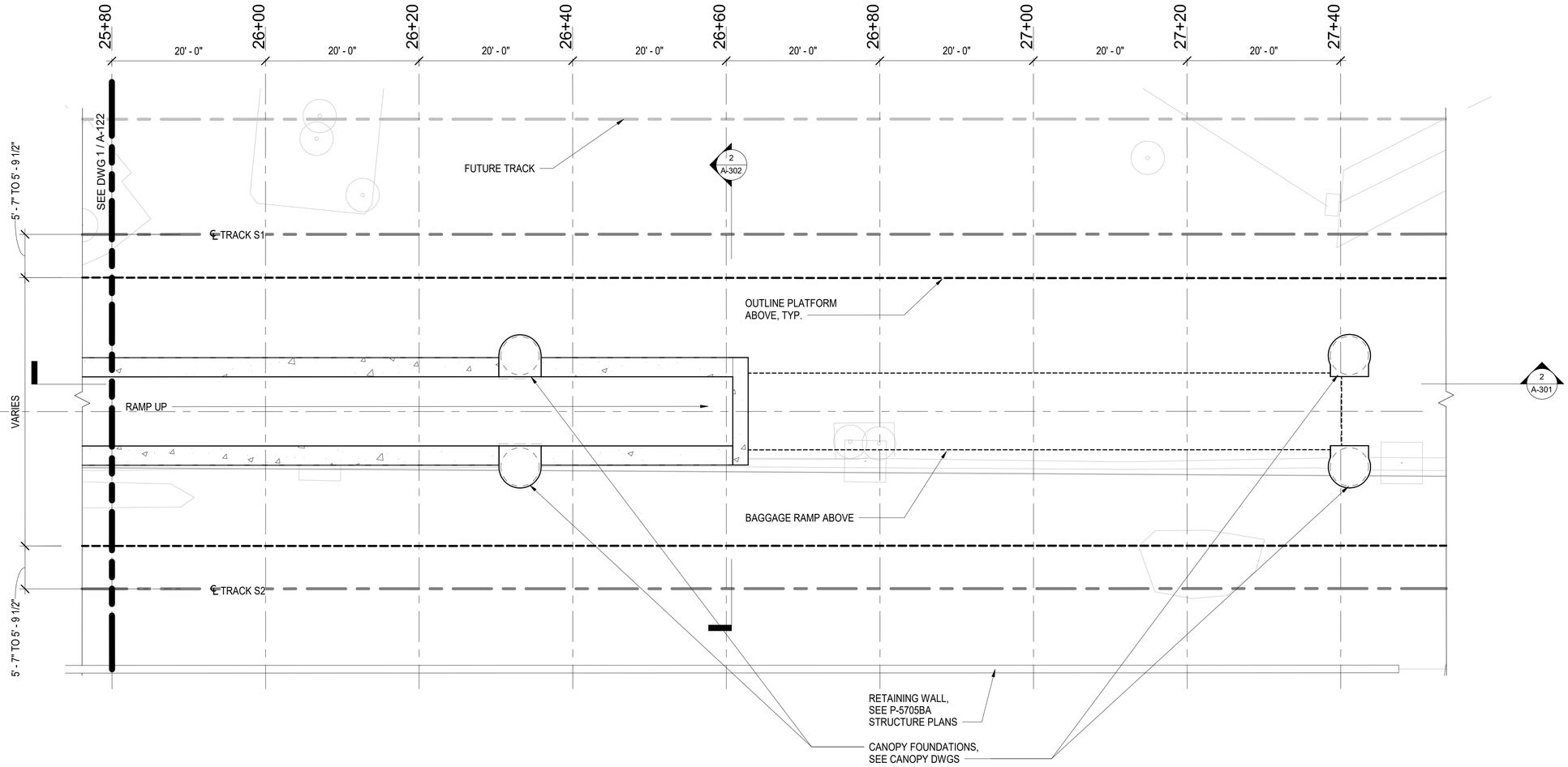
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

SHEET NO. A-122
TOTAL SHEETS 35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

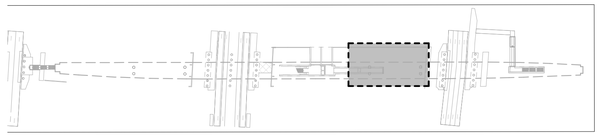


1 / A-123 ENLARGED CONCOURSE PLAN 3

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.



KEY PLAN

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 3 OF 4

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BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

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DWG. NO. 15

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

ENLARGED CONCOURSE PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-123
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28

TO KANNAPOLIS

TO GASTONIA

28+40 | 28+60 | 28+80 | 29+00 | 29+20 | 29+40 | 29+60 | 29+80 | 30+00 | 30+20 | 30+40 | 30+60 | 30+80 | 30+83.93

20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 20' - 0" | 3' - 11"

4TH STREET

722.40

1.52%

4TH STREET EGRESS PATH C107

723.50

723.54

CONNECT EGRESS PATH TO SIDEWALK

TUNNEL WING WALLS

TUNNEL ROOF ABOVE

C002

2 A-405

TUNNEL, SEE STRUCTURES DRAWINGS

9' - 0"

4TH STREET EGRESS TUNNEL C106

FUTURE TRACK

BRIDGE COLUMNS, SEE P-5705BA STRUCTURE PLANS

OUTLINE OF PLATFORM ABOVE, TYP.

5' - 7" TO 5' - 9 1/2"

℄ TRACK S1

724.00

B

VARIES

2.5%

STAIR #3

8' - 0"

1%

UF

UF

2 A-301

79' - 11"

HP 724.25

26' - 5 1/2"

42' - 10"

TRENCH DRAIN

724.00

℄ TRACK S2

5' - 7" TO 5' - 9 1/2"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

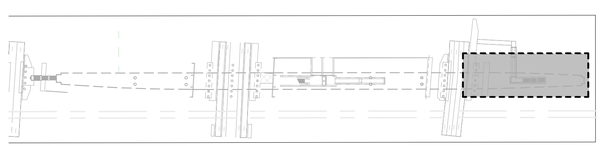
SHEET 4 OF 4

1 A-124 ENLARGED CONCOURSE PLAN 4

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

NOTES:

1. THE DIMENSION BETWEEN THE EDGE OF PLATFORM AND THE CENTERLINE OF TRACK VARIES FROM 5' - 7" TO 5' - 9 1/2". SEE DWG 2M, P-5705BA TRACK DWGS.
2. SEE STRUCTURAL DRAWINGS FOR PLATFORM CONSTRUCTION AND CONTROL JOINTS.
3. SEE PLUMBING DRAWINGS FOR TRENCH DRAIN DETAILS.



KEY PLAN

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

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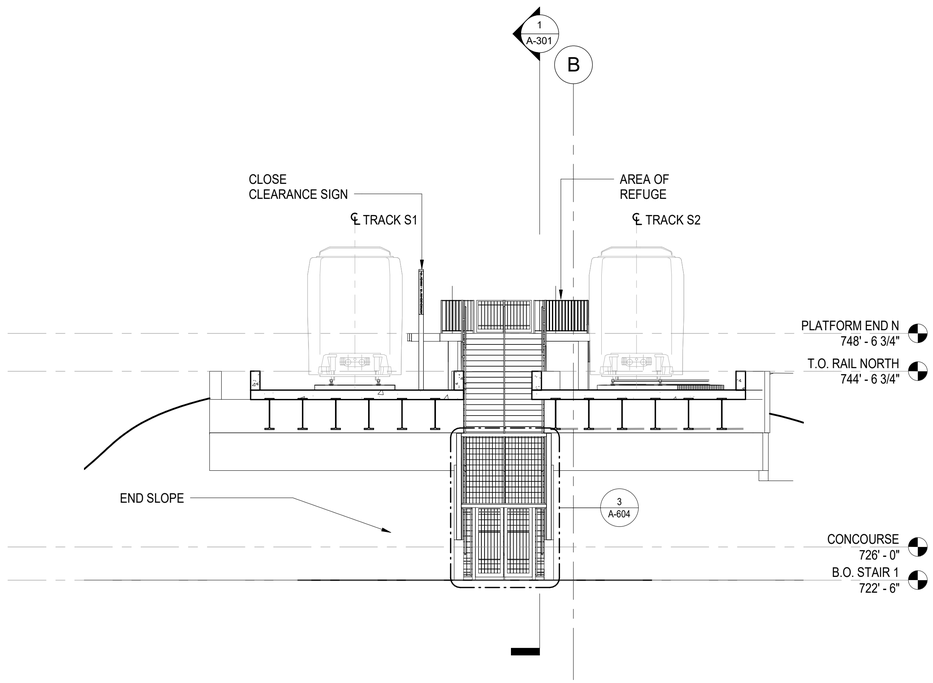
DWG. NO. 16

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

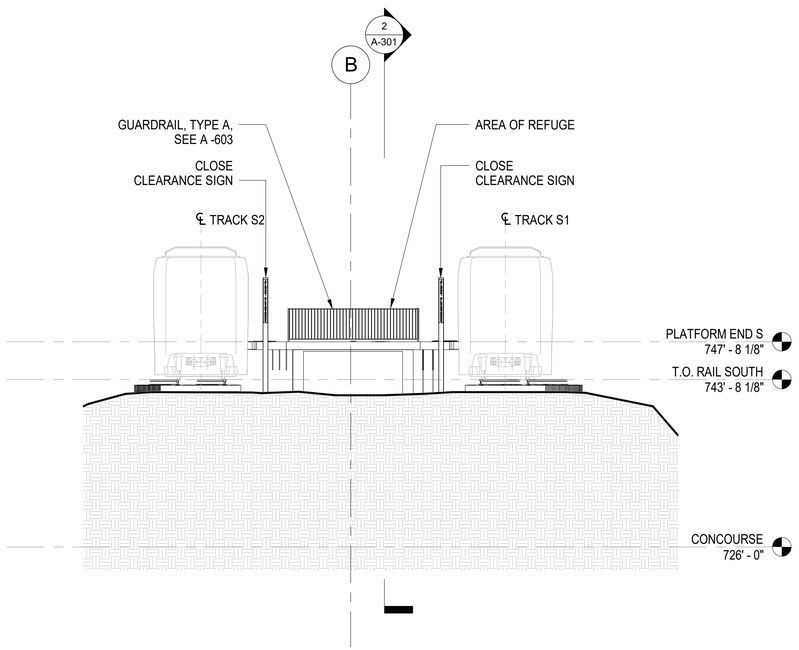
ENLARGED CONCOURSE PLAN

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-124
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-201 NORTH ELEVATION
SCALE: 1/8" = 1'-0" 0 4' 8' 16'



2 A-201 SOUTH ELEVATION
SCALE: 1/8" = 1'-0" 0 4' 8' 16'

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

Documents by: Blair Wagenblast 3/27/2018

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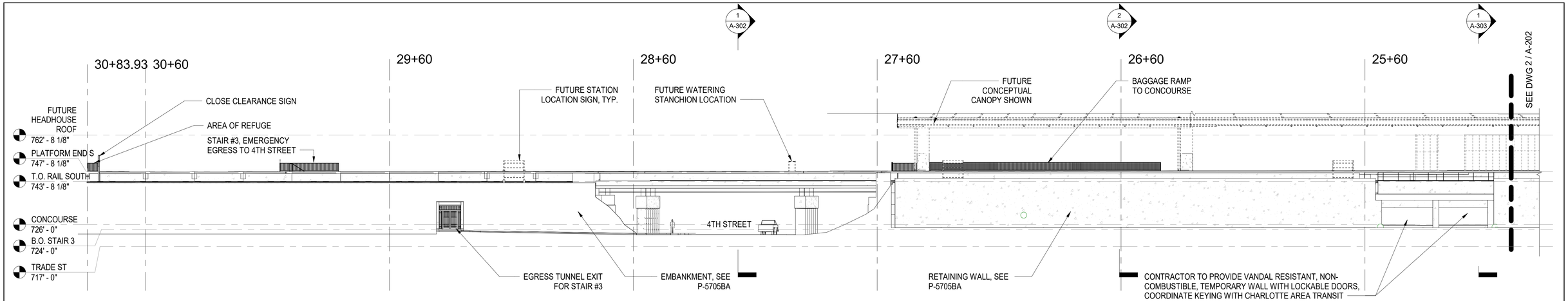
DWG. NO. 17

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

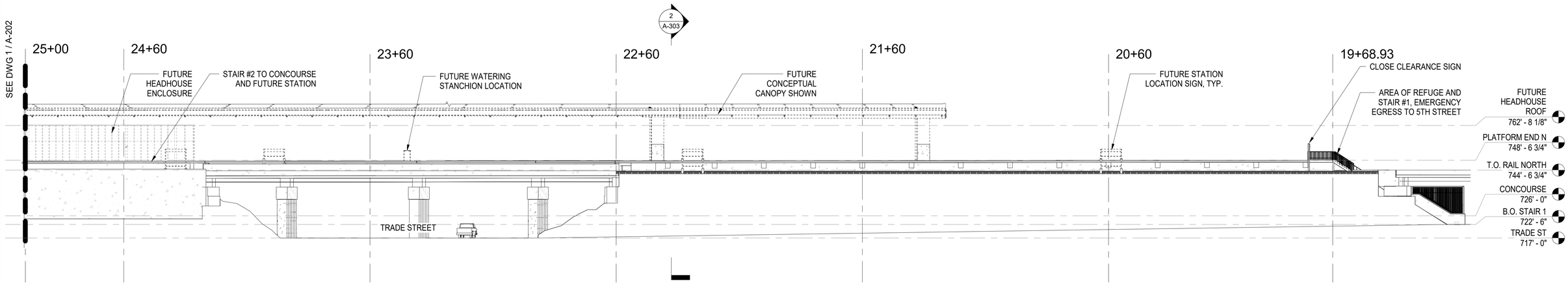
NORTH AND SOUTH ELEVATIONS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-201
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-202 EAST ELEVATION 1
SCALE: 1" = 20'-0" 0 10' 20' 30' 40'



2 A-202 EAST ELEVATION 2
SCALE: 1" = 20'-0" 0 10' 20' 30' 40'

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C. 3/27/2018
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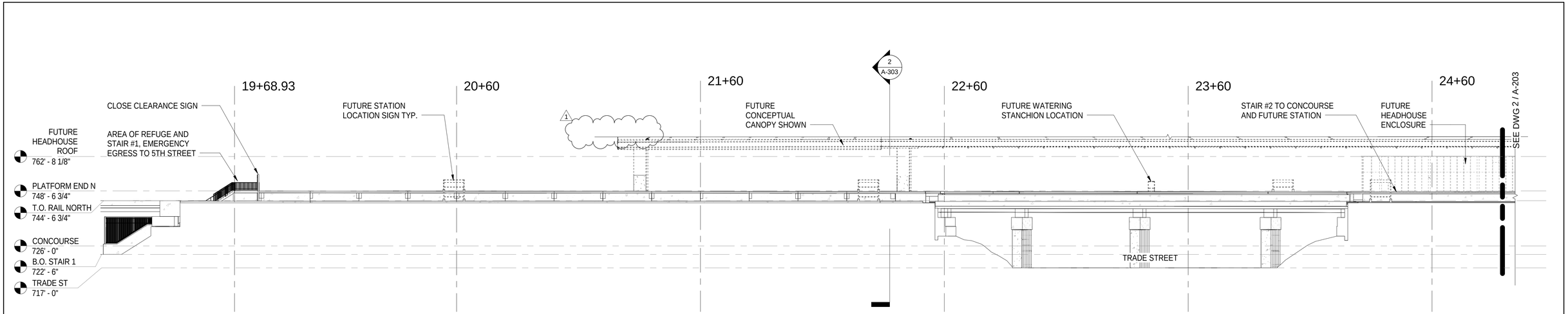
DWG. NO. 18

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

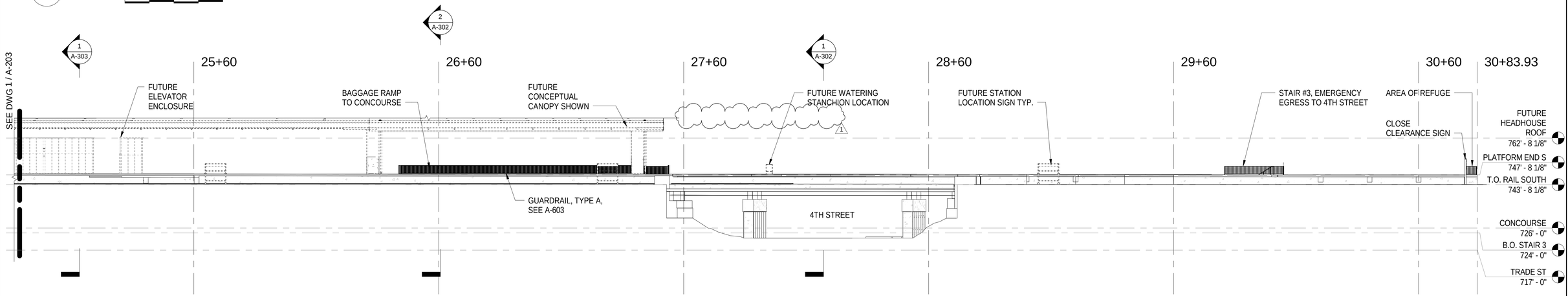
EAST ELEVATION

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-202
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28
1001ADD_P28



1 A-203 WEST ELEVATION 1
SCALE: 1" = 20'-0" 0 10' 20' 30' 40'



2 A-203 WEST ELEVATION 2
SCALE: 1" = 20'-0" 0 10' 20' 30' 40'

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
DocuSigned by: Blair Wagenblast 231E43BD131A403...
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WEST ELEVATION

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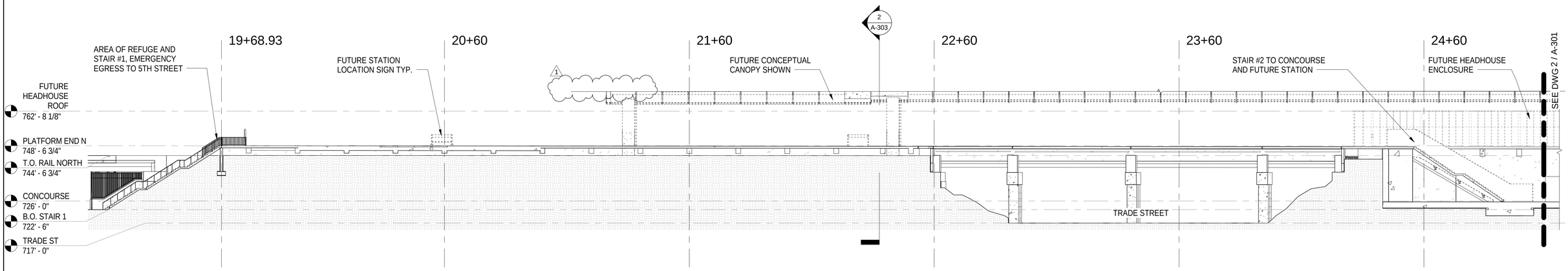
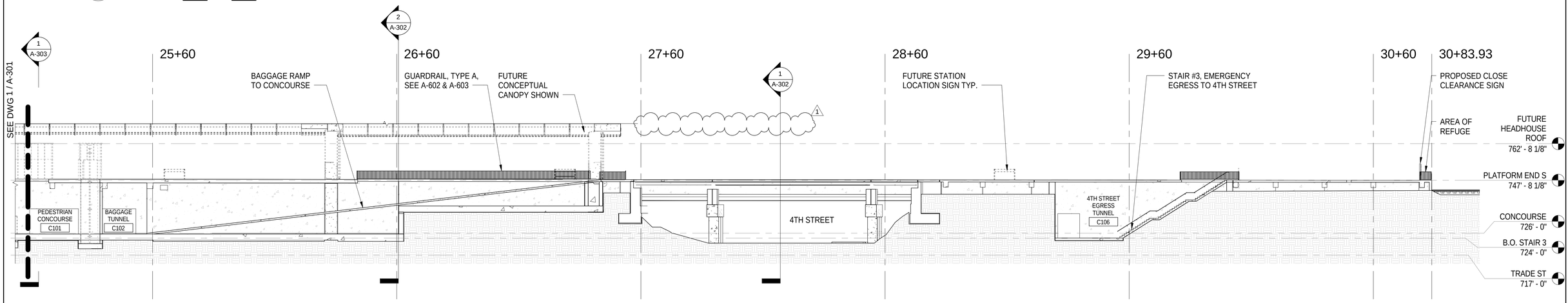
DWG. NO. 19

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-203
1	BW	5/2/18	3			TOTAL SHEETS
2			4			35

0012DEL_P28
1001ADD_P28



1 A-301 LONGITUDINAL SECTION 1
SCALE: 1" = 20'-0"



2 A-301 LONGITUDINAL SECTION 2
SCALE: 1" = 20'-0"

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ENGINEERING ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
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LONGITUDINAL SECTION

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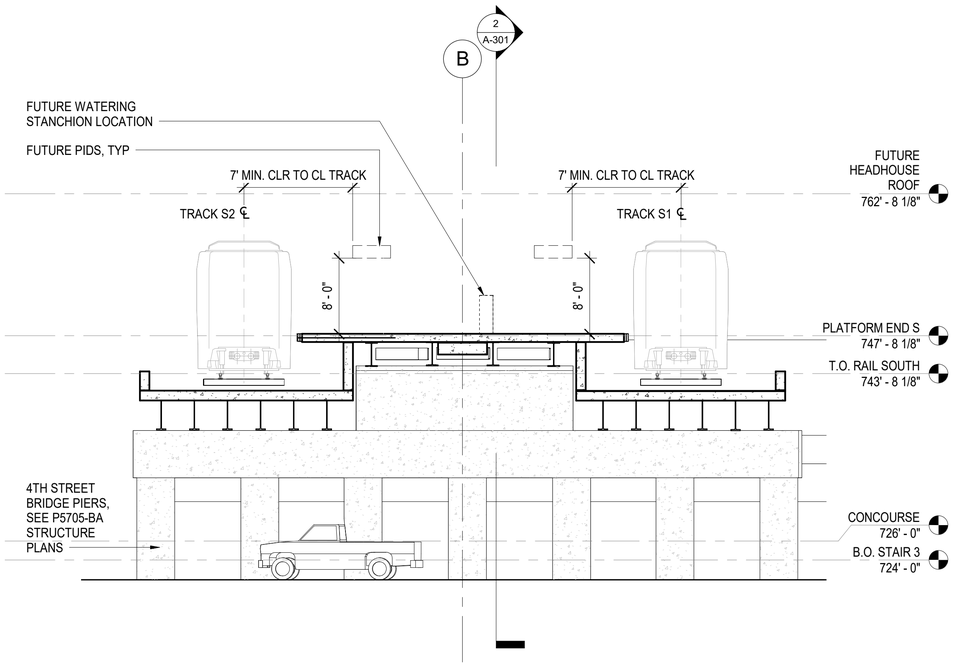
DWG. NO. 20

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-301
1	BW	5/2/18	3			TOTAL SHEETS
2			4			35

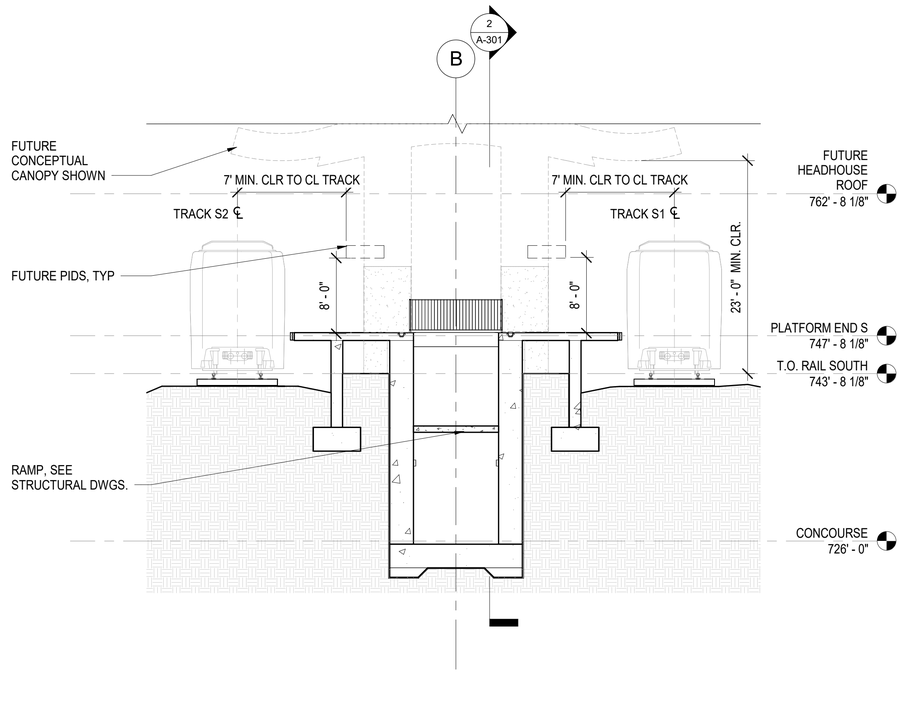
0012DEL_P28



1 A-302 4TH STREET BRIDGE TRANSVERSE SECTION

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

0 4' 8' 16'



2 A-302 RAMP TRANSVERSE SECTION

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

0 4' 8' 16'

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 1 OF 2

HNTB CORPORATION NC REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

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RALEIGH

TRANSVERSE SECTIONS

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DWG. NO. 21

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-302
1			3			TOTAL SHEETS
2			4			35

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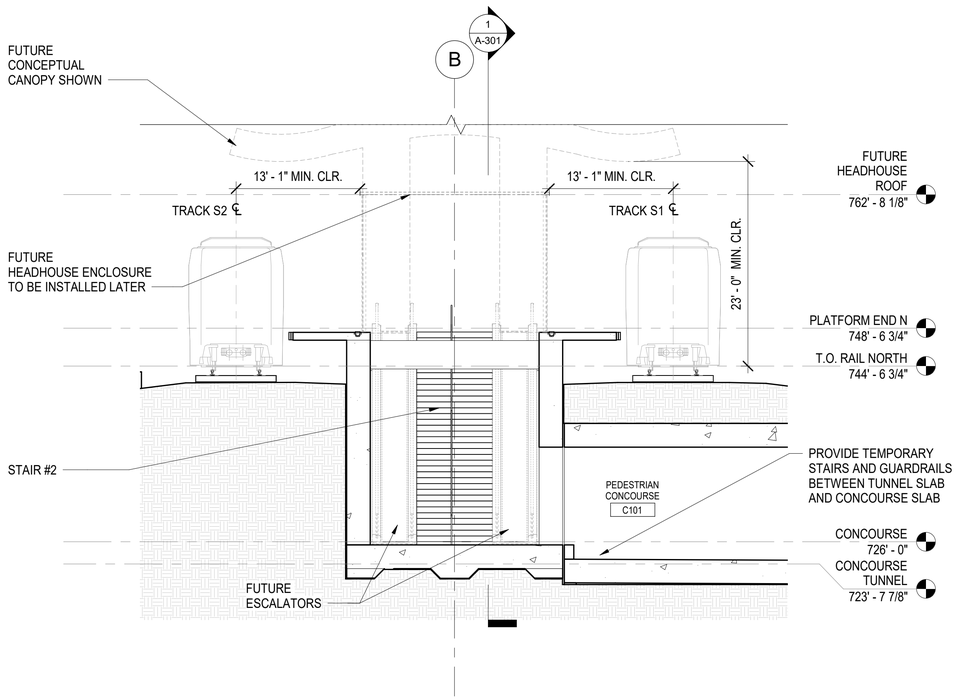
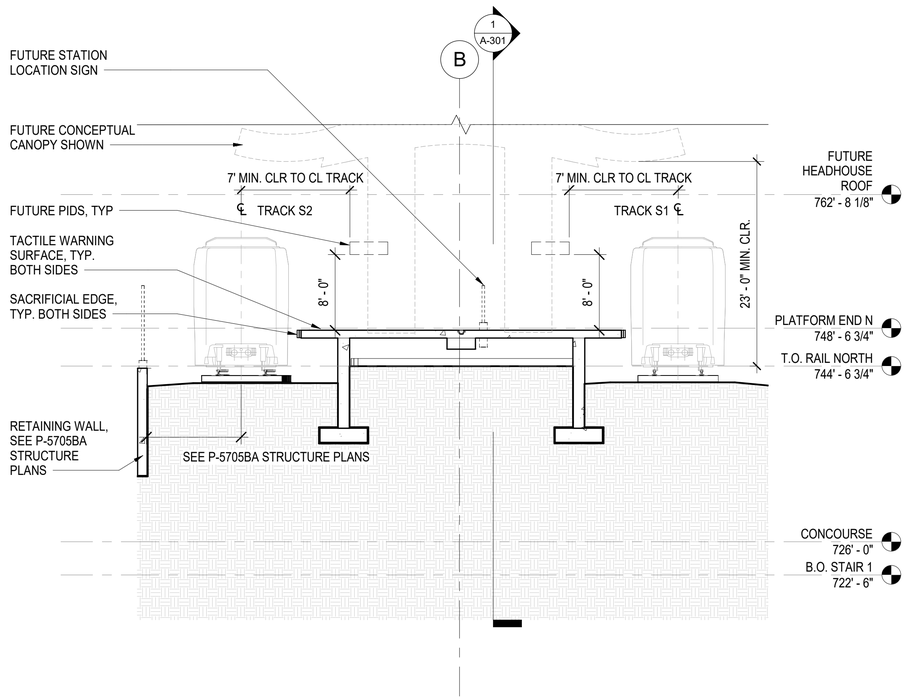


1 A-303 CONCOURSE TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



2 A-303 PLATFORM TRANSVERSE SECTION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

SHEET 2 OF 2

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TRANSVERSE SECTIONS

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DWG. NO. 22

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-303
1			3			TOTAL SHEETS
2			4			35

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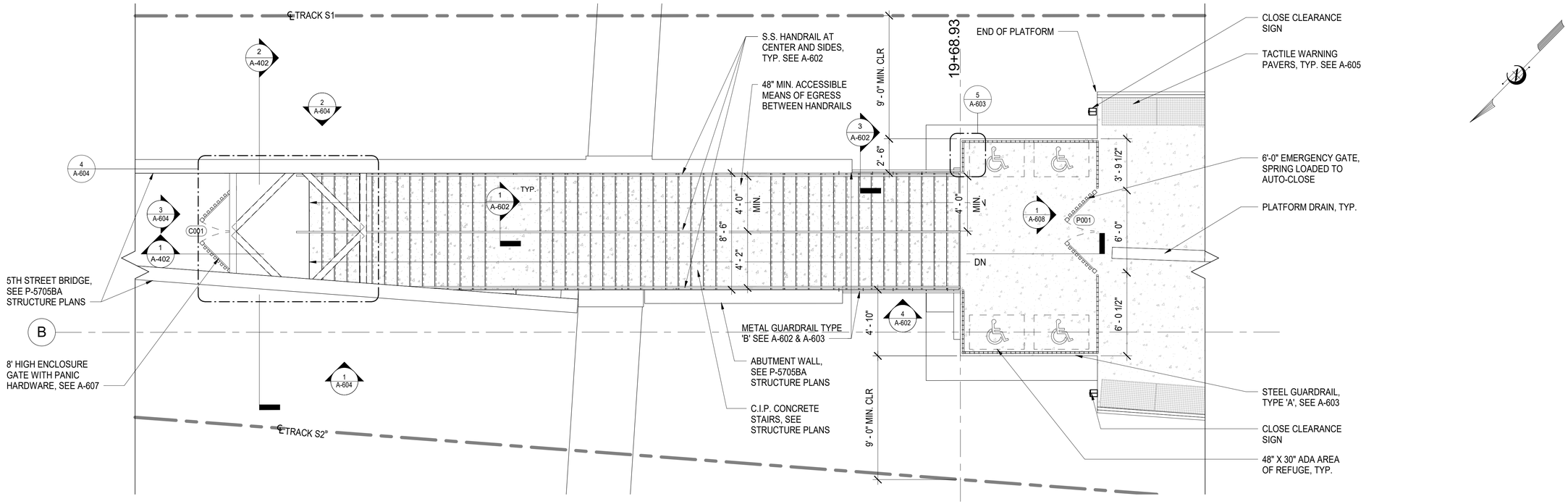
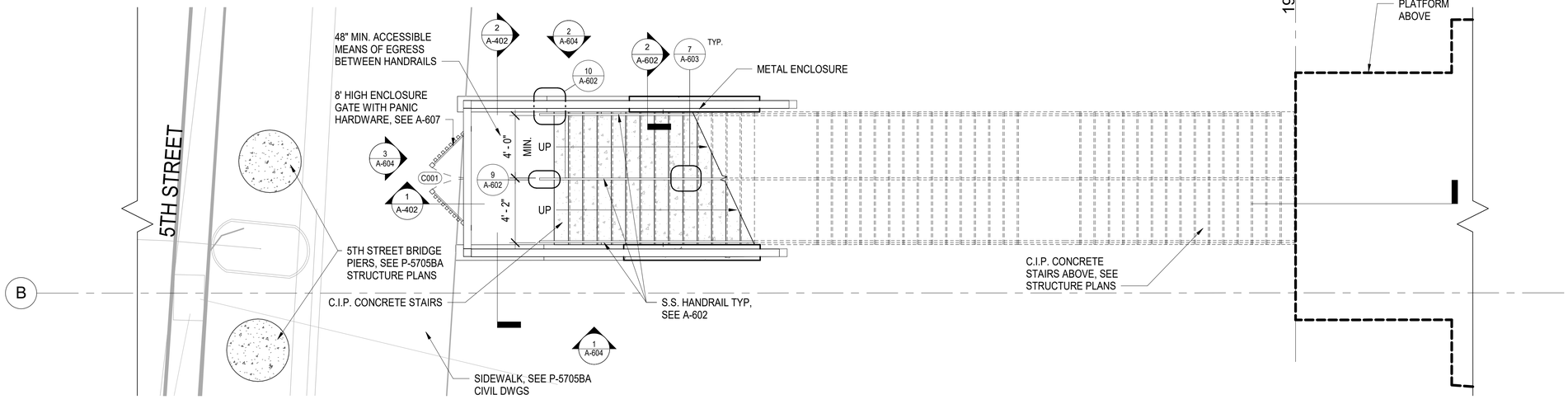


ENLARGED PLAN - STAIR #1 AT 5TH STREET - PLATFORM LEVEL

1 / A-401 SCALE: 1/4" = 1'-0" 0 4' 8'



ENLARGED PLAN - STAIR #1 AT 5TH STREET - STREET LEVEL

2 / A-401 SCALE: 1/4" = 1'-0" 0 4' 8'

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

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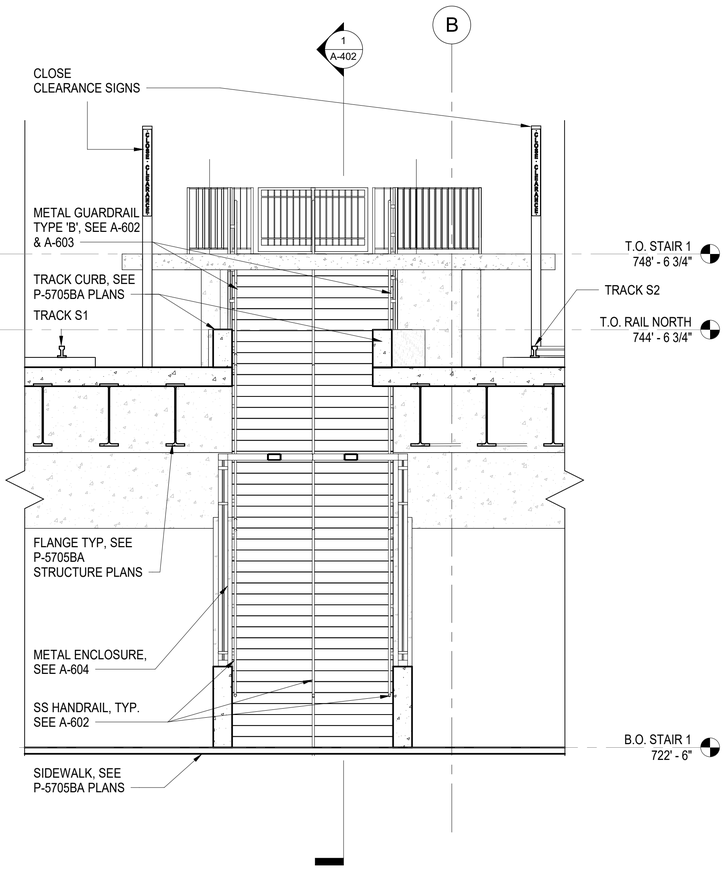
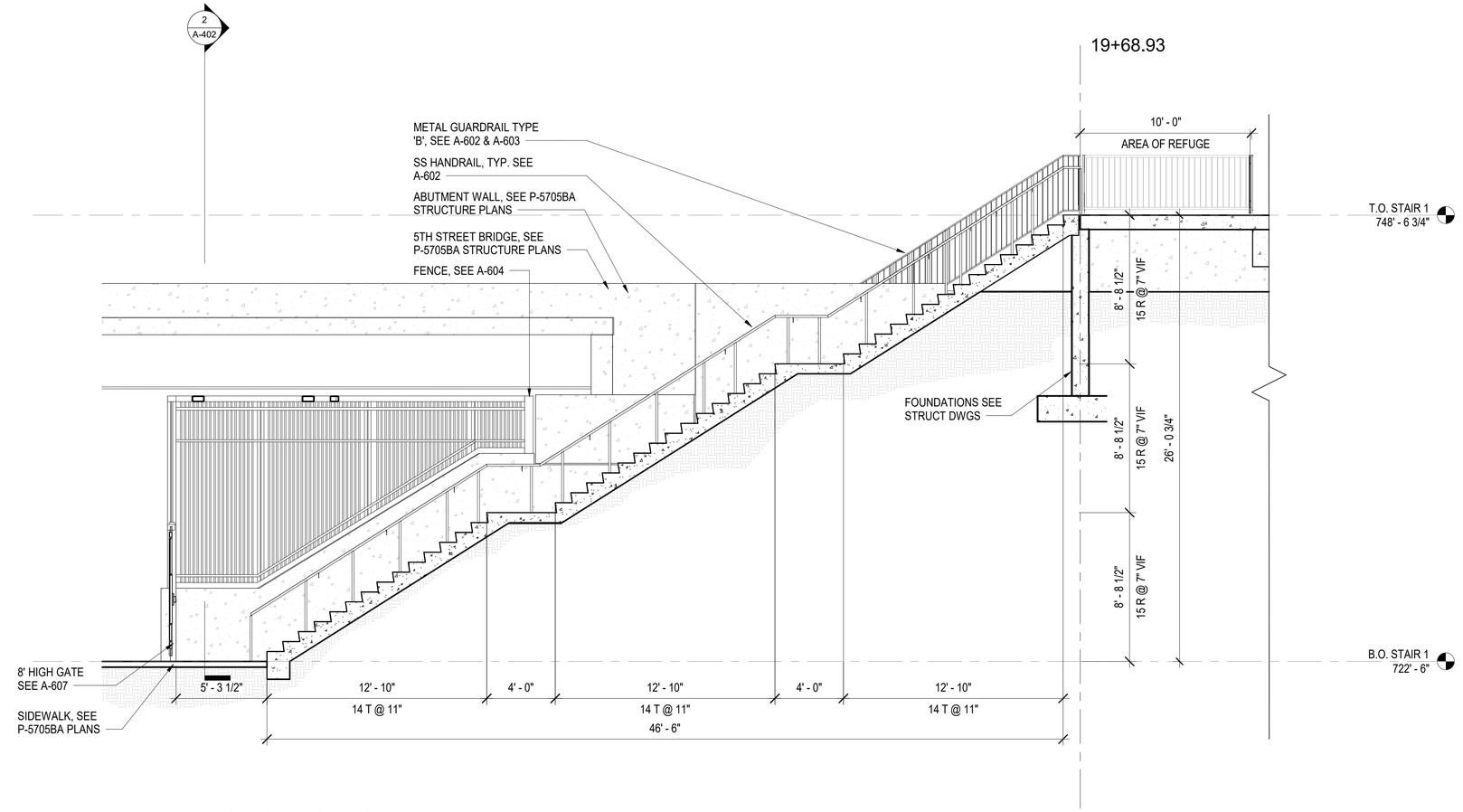
RALEIGH

STAIR #1 AT 5TH STREET ENLARGED PLANS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-401
1			3			TOTAL SHEETS
2			4			35



2 A-402 ELEVATION - STAIR #1 AT 5TH STREET
SCALE: 1/4" = 1'-0" 0 4' 8'



1 A-402 ENLARGED SECTION - STAIR #1 AT 5TH STREET
SCALE: 1/4" = 1'-0" 0 4' 8'

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

NOTES:

1. REFER TO A-601 FOR TYPICAL RAILING DETAILS.

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Documenting by Blair Wagenblast (PRELIMINARY) 3/27/2018

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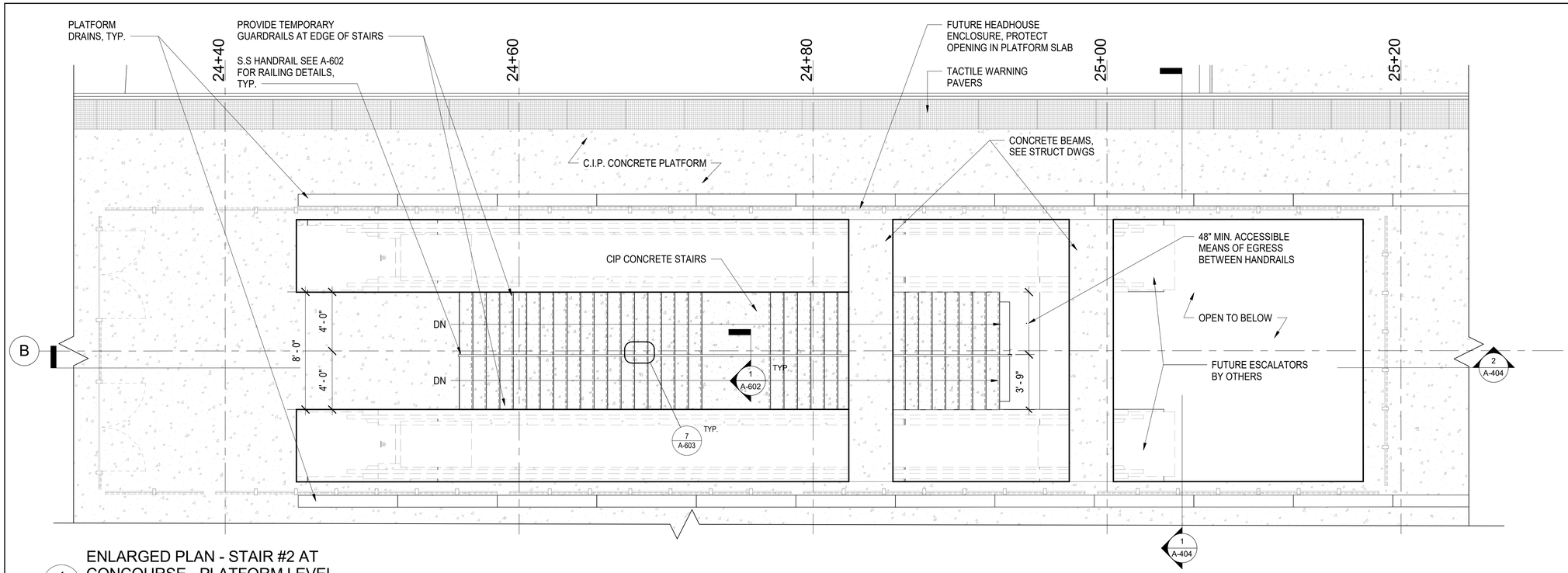
DEPARTMENT OF TRANSPORTATION
RALEIGH

STAIR #1 AT 5TH STREET
SECTIONS

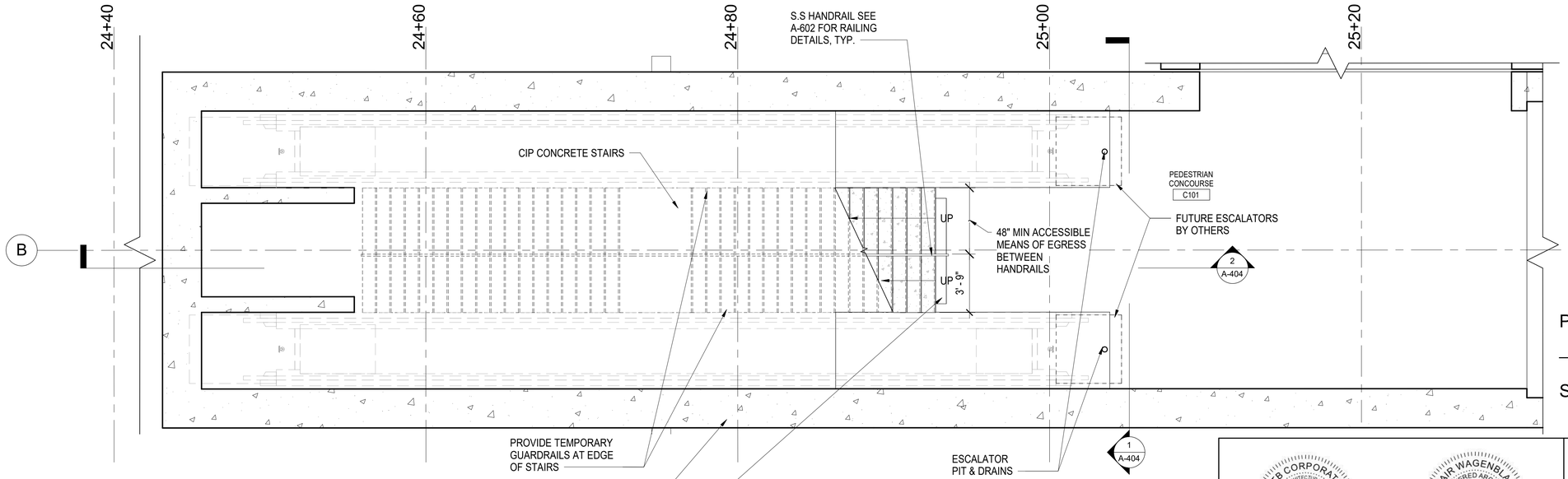
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-402
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-403 ENLARGED PLAN - STAIR #2 AT CONCOURSE - PLATFORM LEVEL

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



2 A-403 ENLARGED PLAN - STAIR #2 AT CONCOURSE - CONCOURSE LEVEL

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

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION 50896 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.

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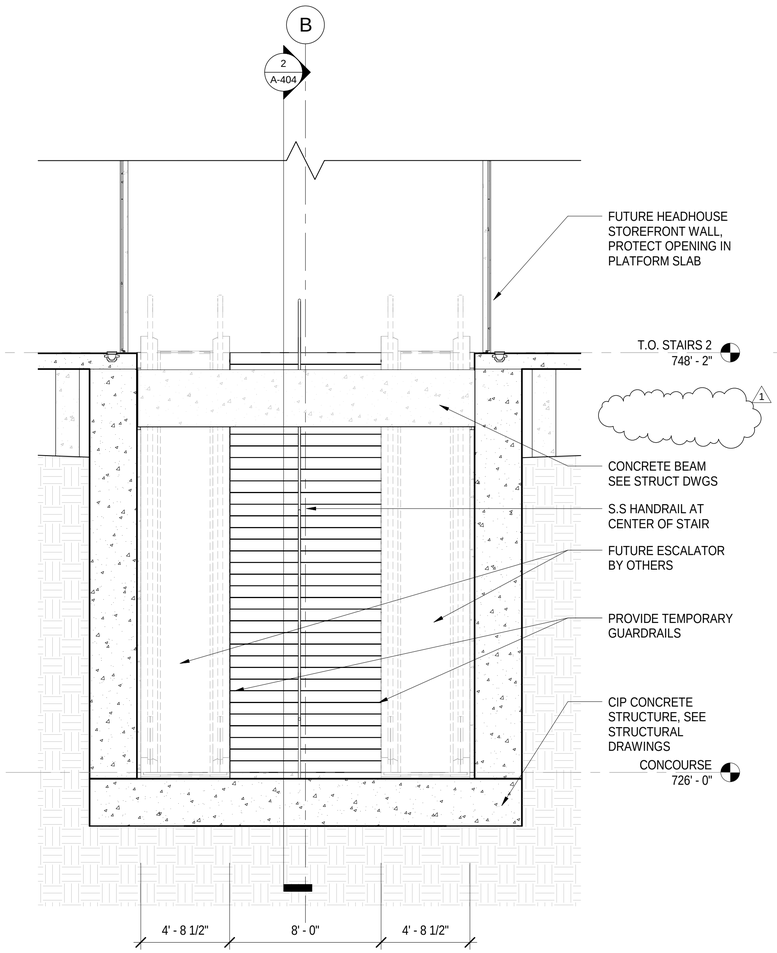
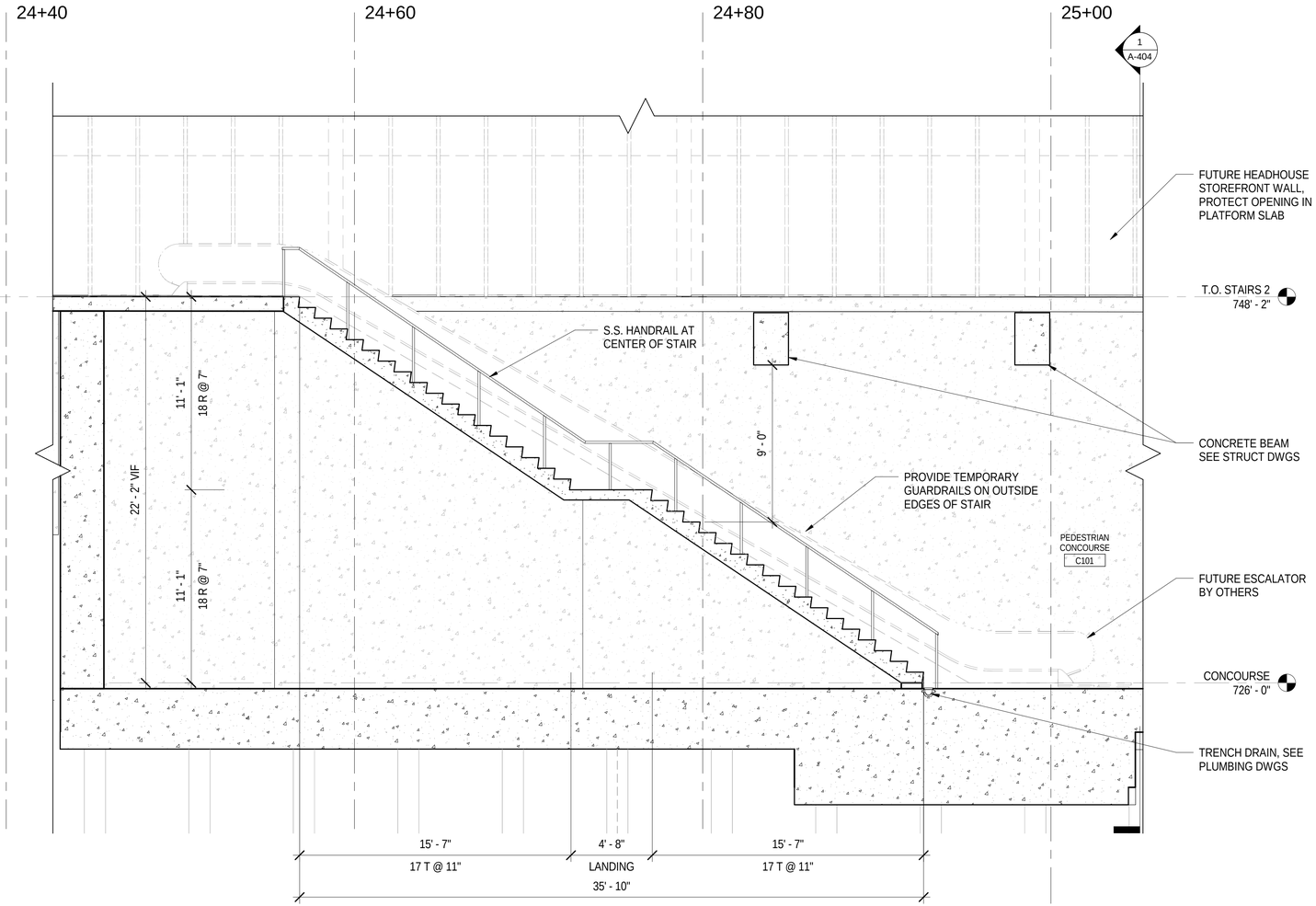
STAIR #2 AT CONCOURSE ENLARGED PLANS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-403
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28
1001ADD_P28



1 A-404 ELEVATION - STAIR #2 AT CONCOURSE
SCALE: 1/4" = 1'-0"



2 A-404 ENLARGED SECTION - STAIR #2 AT CONCOURSE
SCALE: 1/4" = 1'-0"

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

NOTES:

1. REFER TO A-601 FOR TYPICAL RAILING DETAILS.

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
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DWG. NO. 26

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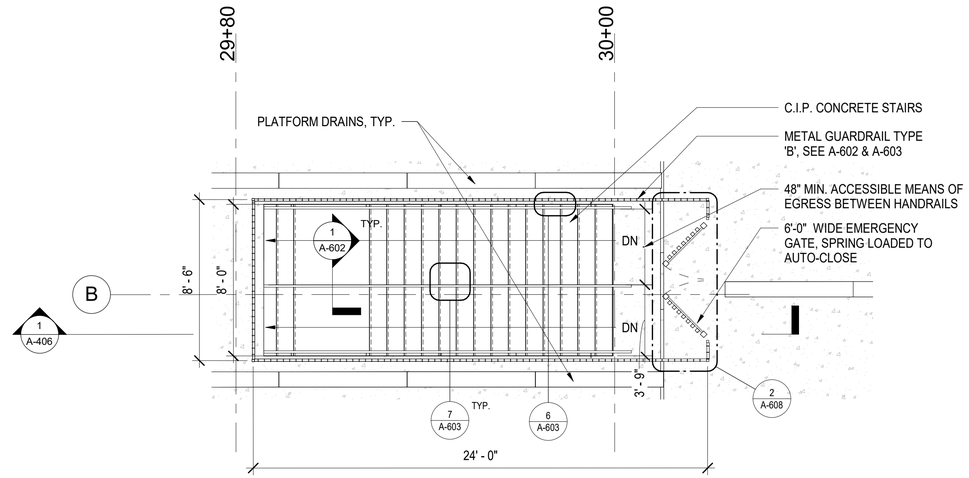
RALEIGH

STAIR #2 AT CONCOURSE SECTIONS

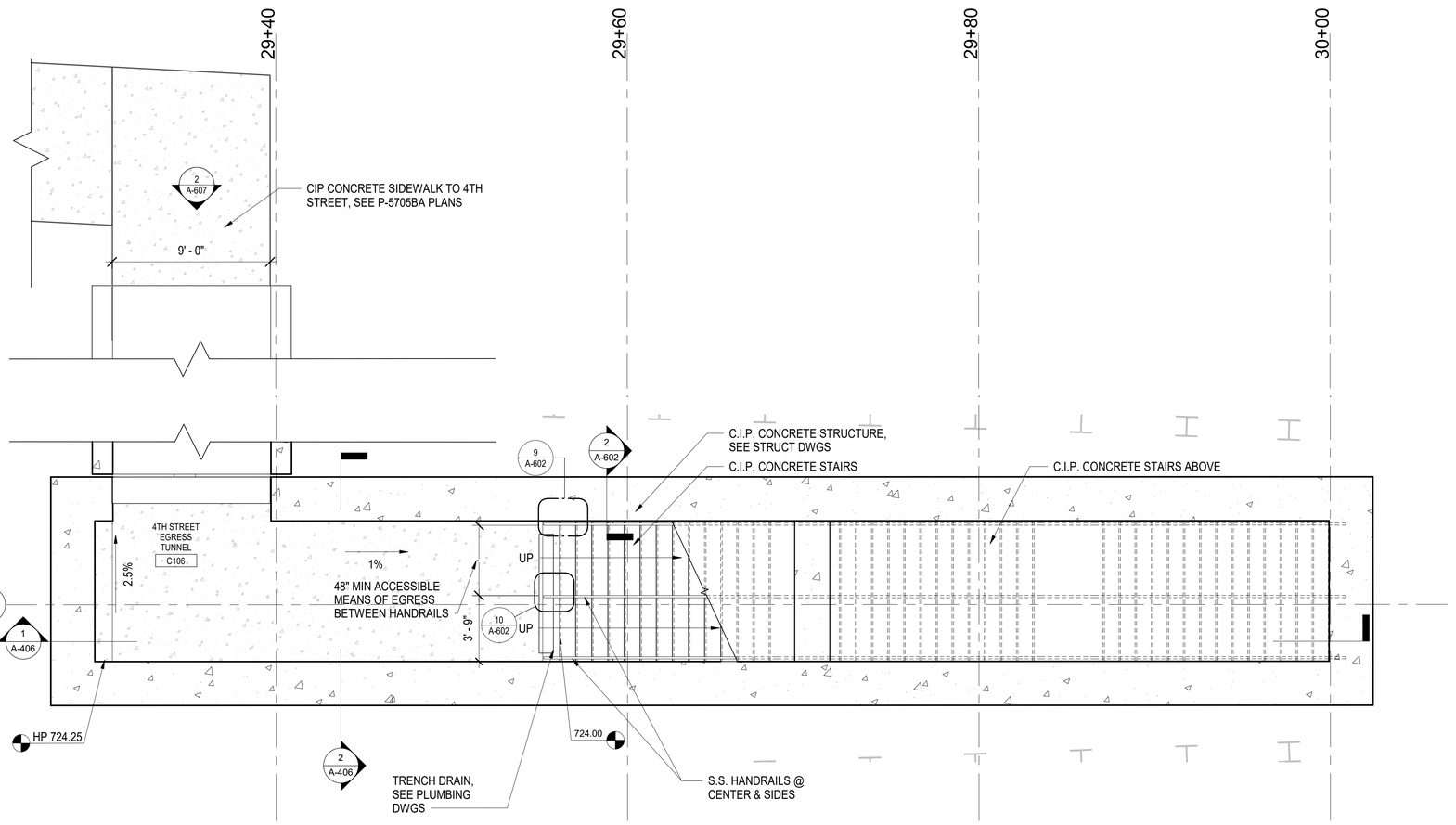
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-404
1	BW	5/2/18	3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-405 ENLARGED PLAN - STAIR #3 AT 4TH STREET - PLATFORM LEVEL

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



2 A-405 ENLARGED PLAN - STAIR #3 AT 4TH STREET - STREET LEVEL

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

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION 50896 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST 13869 REGISTERED ARCHITECT NORTH CAROLINA CHARLOTTE, N.C.

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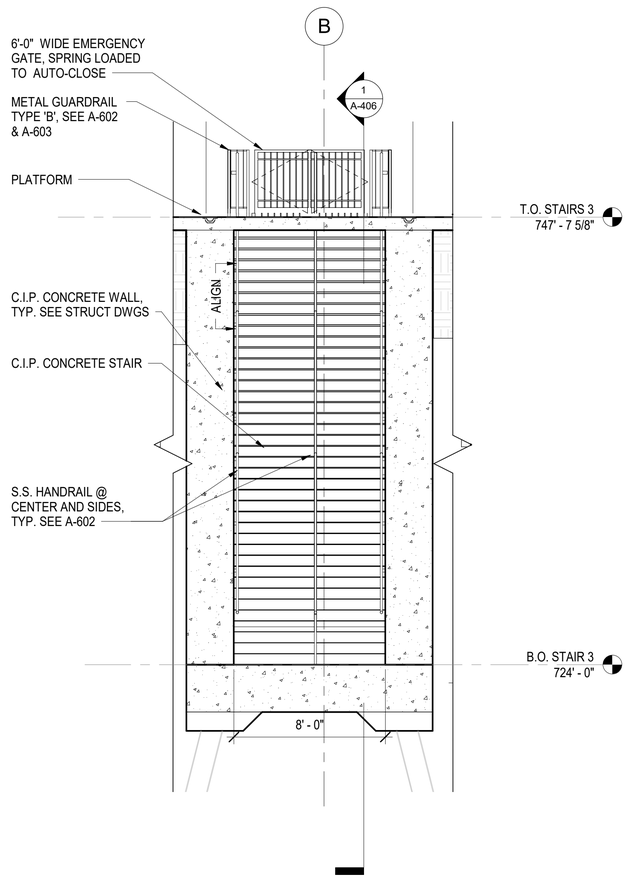
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

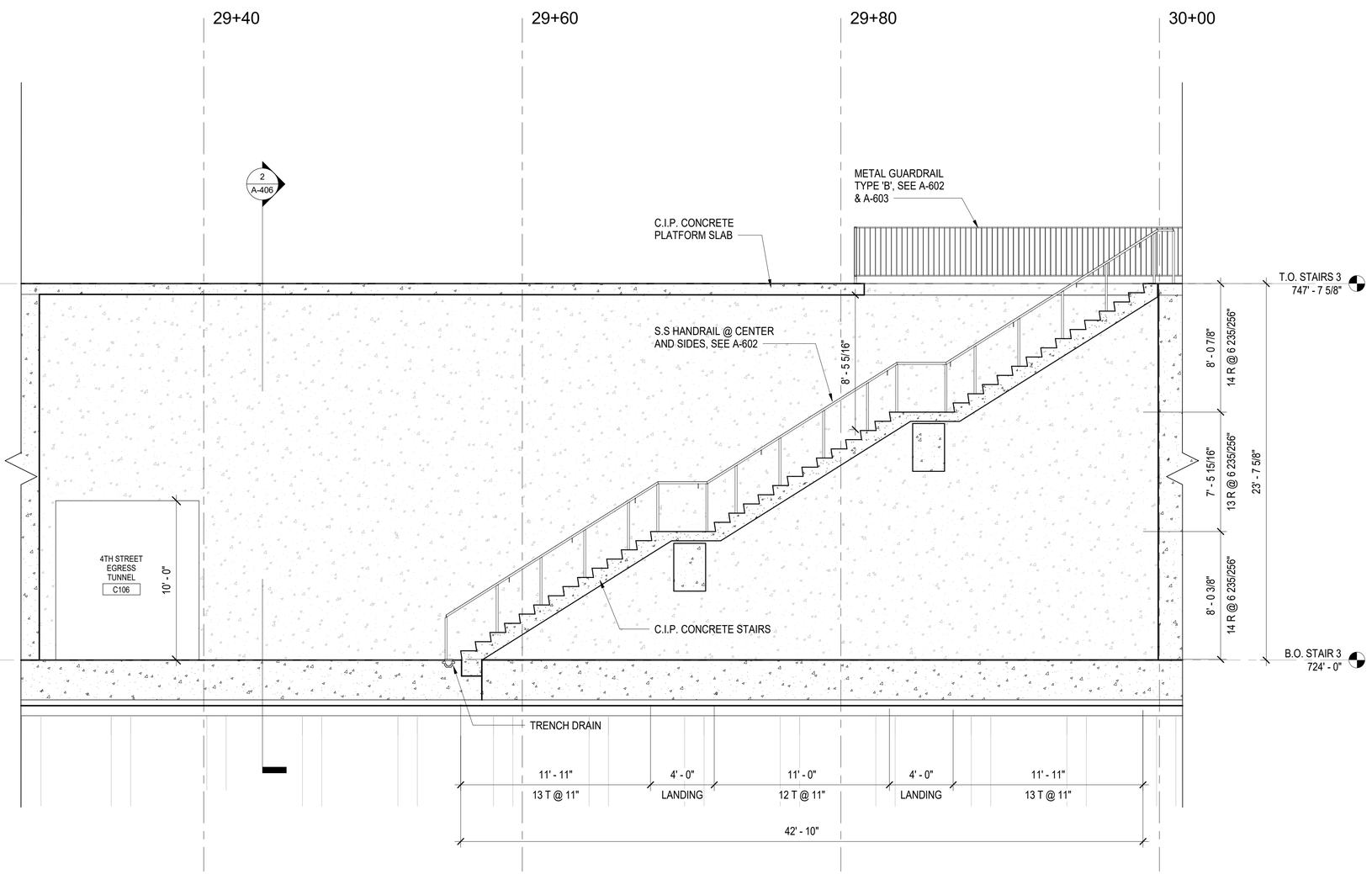
STAIR #3 AT 4TH STREET ENLARGED PLANS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-405
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



2 A-406 ELEVATION - STAIR #3 AT 4TH STREET
SCALE: 1/4" = 1'-0" 0 4' 8'



1 A-406 ENLARGED SECTION - STAIR #3 AT 4TH STREET
SCALE: 1/4" = 1'-0" 0 4' 8'

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

NOTES:

1. REFER TO A-601 FOR TYPICAL RAILING DETAILS.

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C. 3/27/2018

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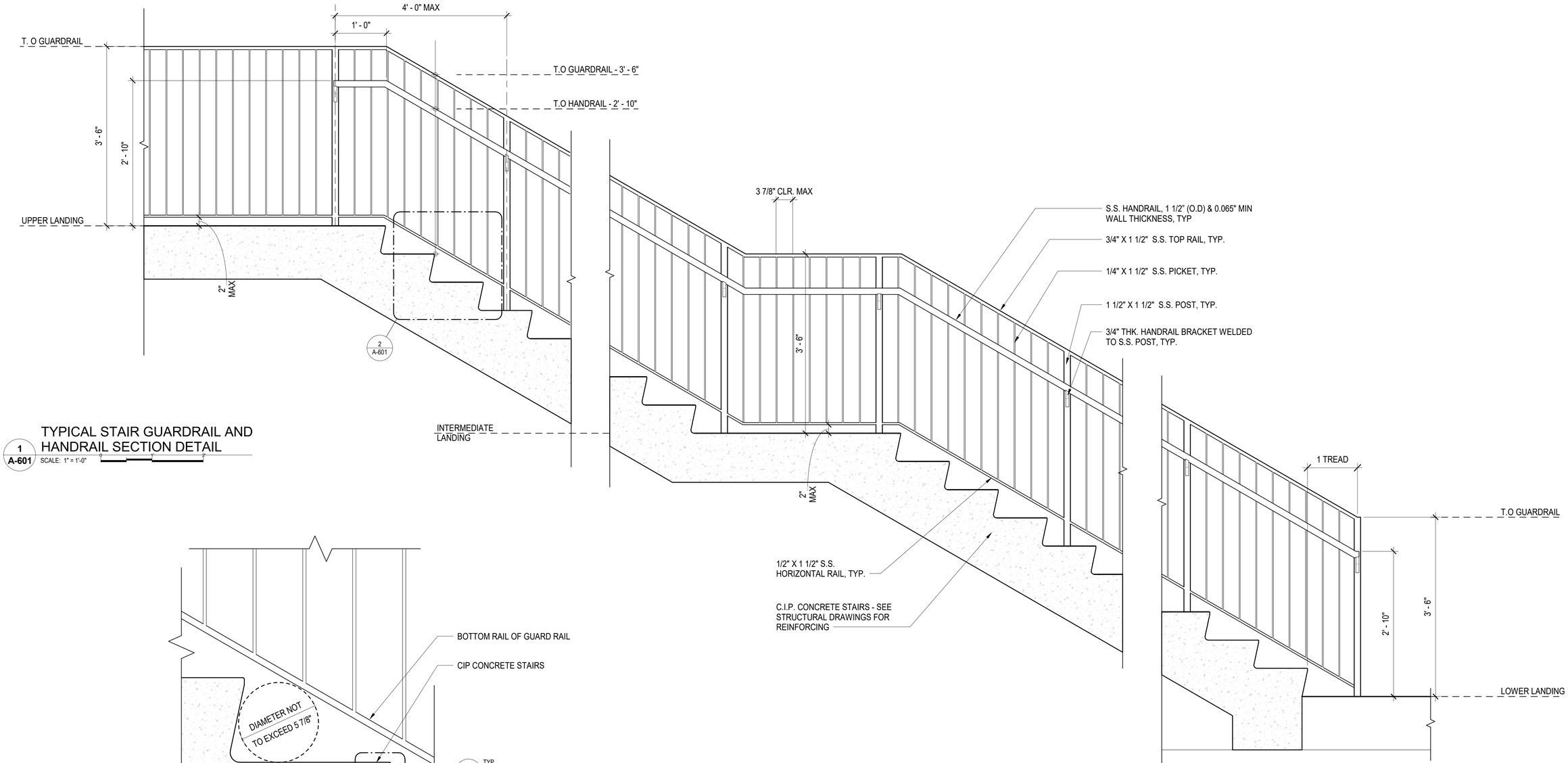
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STAIR #3 AT 4TH STREET SECTIONS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-406
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



1 A-601 TYPICAL STAIR GUARDRAIL AND HANDRAIL SECTION DETAIL

SCALE: 1" = 1'-0"

2 A-601 DETAIL OF CLEARANCE AT GUARDRAIL

SCALE: 3" = 1'-0"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 1 OF 2

4/5/2018

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

RAILING DETAILS

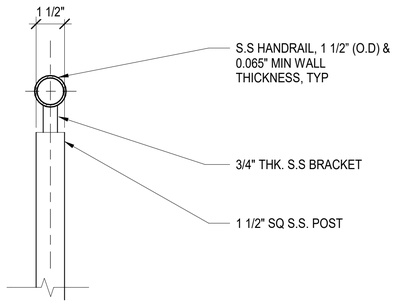
HNTB NORTH CAROLINA, P.C.
NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18

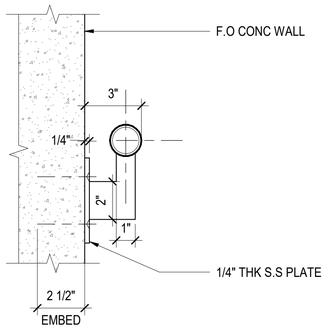
DWG. NO. 29

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-601
1			3			TOTAL SHEETS
2			4			35

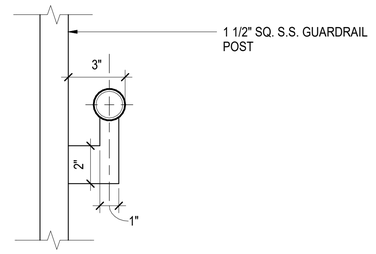
0012DEL_P28



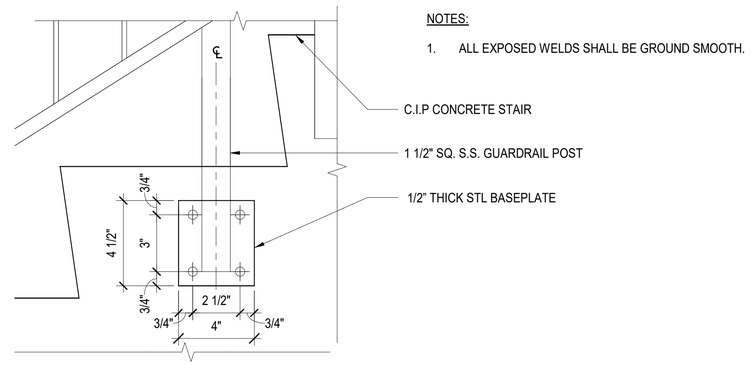
1 A-602 CENTER HANDRAIL DETAIL - ELEVATION
SCALE: 3" = 1'-0"



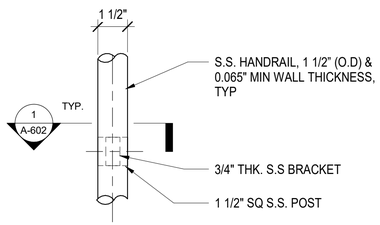
2 A-602 WALL MOUNTED HANDRAIL BRACKET DETAILS
SCALE: 3" = 1'-0"



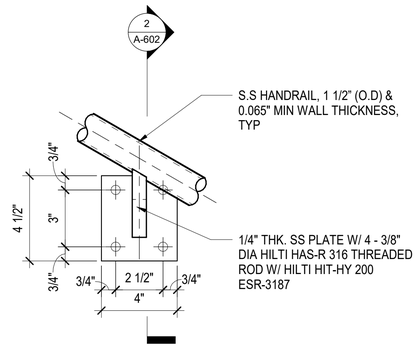
3 A-602 POST MOUNTED HANDRAIL BRACKET DETAILS
SCALE: 3" = 1'-0"



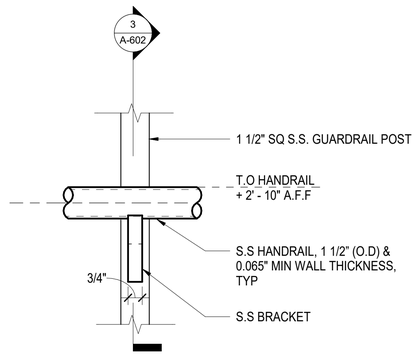
4 A-602 SIDE OF STAIR GUARDRAIL MOUNTING DETAIL
SCALE: 3" = 1'-0"



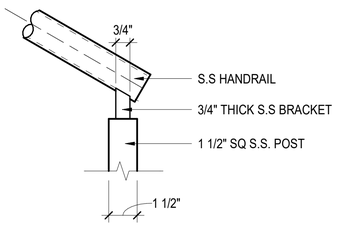
5 A-602 CENTER RAIL DETAIL - PLAN
SCALE: 3" = 1'-0"



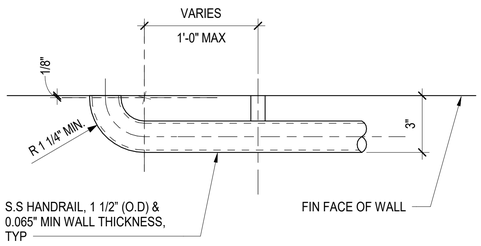
6 A-602 WALL MOUNTED HANDRAIL BRACKET DETAILS
SCALE: 3" = 1'-0"



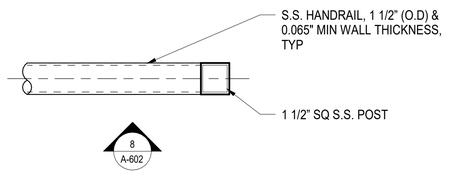
7 A-602 POST MOUNTED HANDRAIL BRACKET DETAILS
SCALE: 3" = 1'-0"



8 A-602 CENTER RAIL BRACKET DETAILS
SCALE: 3" = 1'-0"



9 A-602 HANDRAIL EXTENSION DETAIL - PLAN
SCALE: 3" = 1'-0"



10 A-602 CENTER RAIL EXTENSION DETAIL - PLAN
SCALE: 3" = 1'-0"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 2 OF 2

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
Docusigned by: Blair Wagenblast 3/27/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HNTB NORTH CAROLINA, P.C.
NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

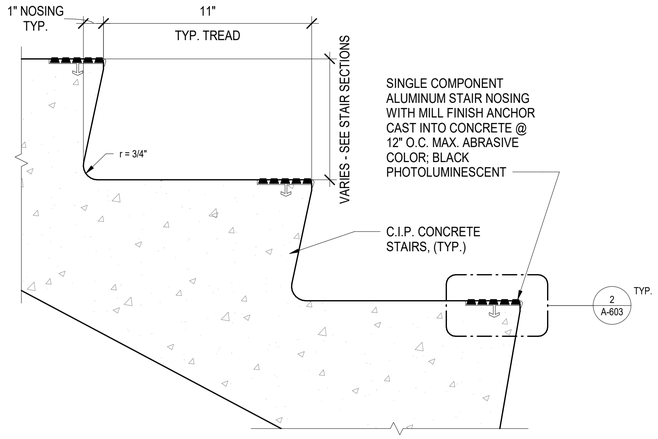
DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 30

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

RAILING DETAILS

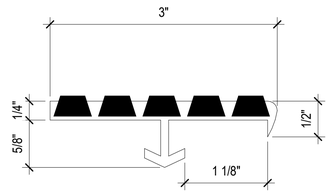
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-602
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



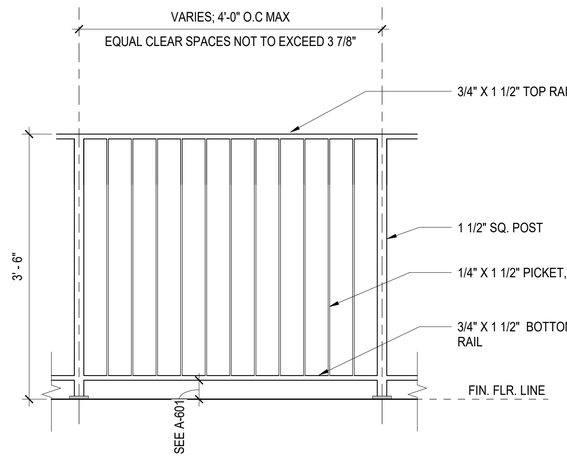
1 A-603 TYPICAL DETAIL OF RISER/TREAD AT CONC. STAIR

SCALE: 3" = 1'-0"



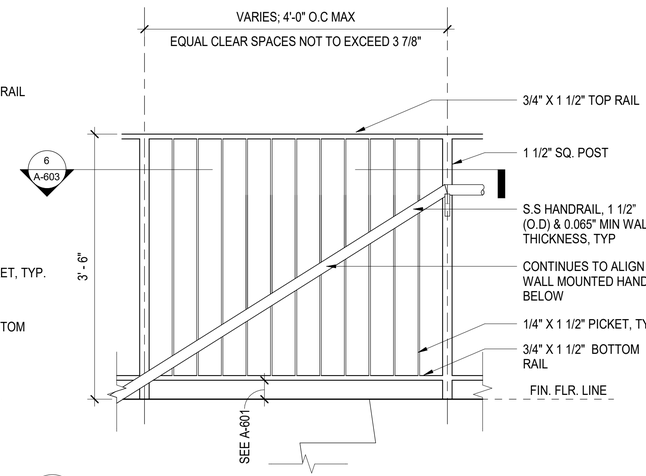
2 A-603 TYPICAL STAIR NOSING DETAIL

SCALE: 12" = 1'-0"



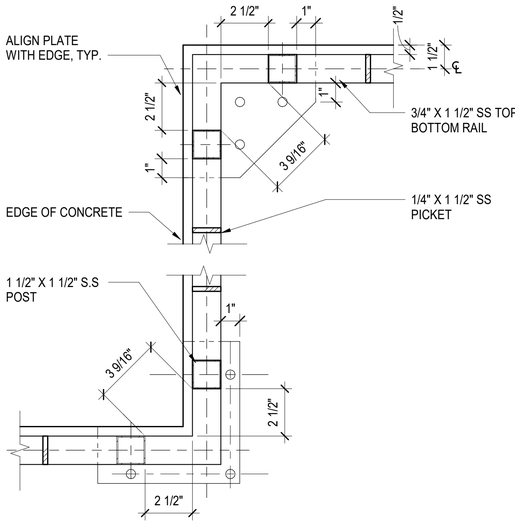
3 A-603 GUARDRAIL DETAIL TYPE 'A'

SCALE: 1" = 1'-0"



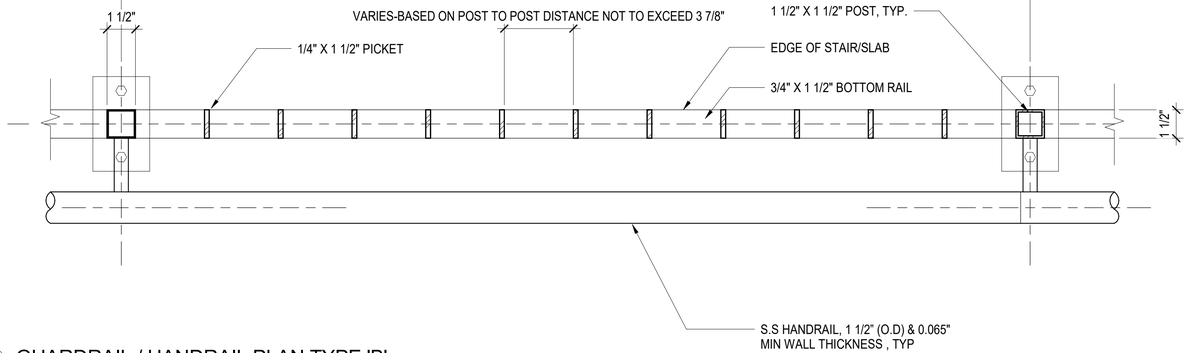
4 A-603 GUARDRAIL DETAIL TYPE 'B'

SCALE: 1" = 1'-0"



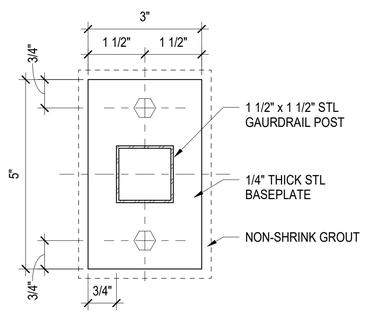
5 A-603 CORNER GUARDRAIL - PLAN

SCALE: 3" = 1'-0"



6 A-603 GUARDRAIL / HANDRAIL PLAN TYPE 'B'

SCALE: 3" = 1'-0"



7 A-603 BASEPLATE @ GUARDRAIL CENTER

SCALE: 6" = 1'-0"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C. 3/27/2018

DocuSigned by: Blair Wagenblast

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343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

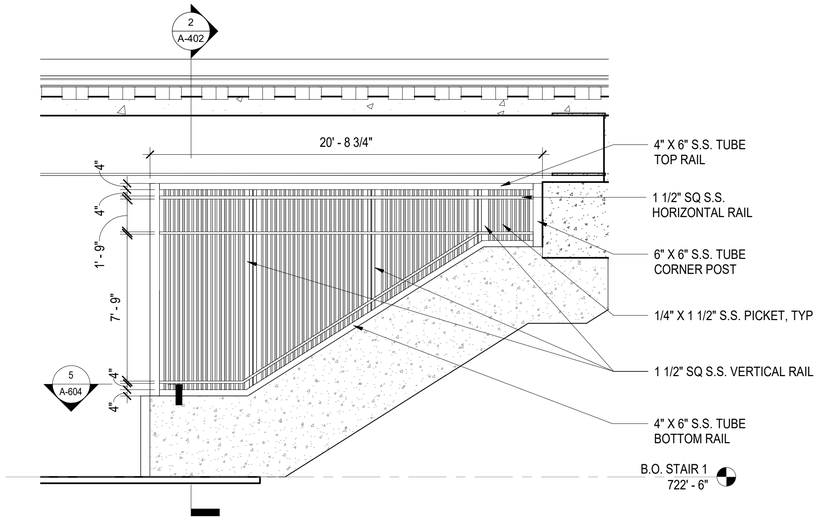
DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 31

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STAIR DETAILS

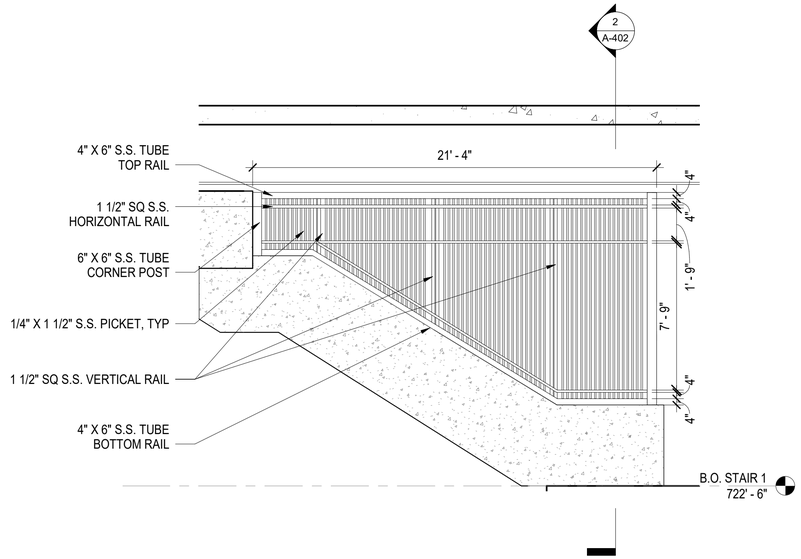
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-603
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



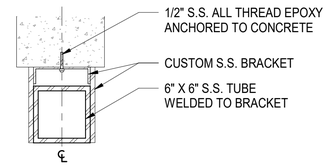
1 A-604 5TH STREET ENCLOSURE - WEST ELEVATION

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



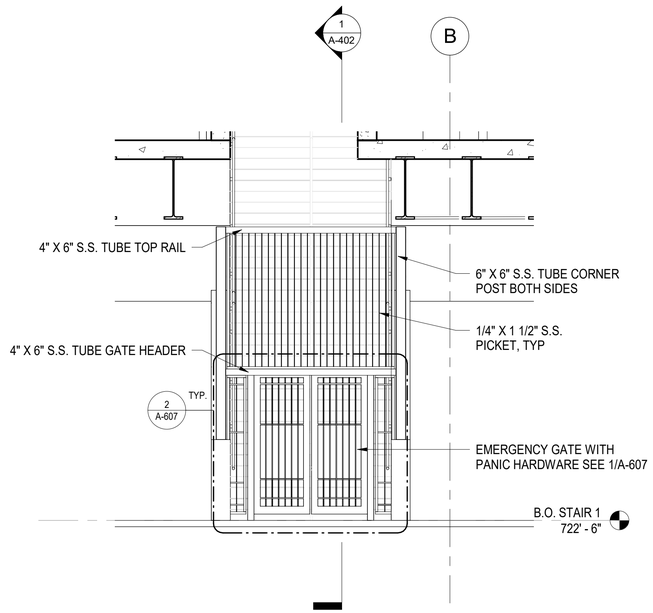
2 A-604 5TH STREET ENCLOSURE - EAST ELEVATION

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



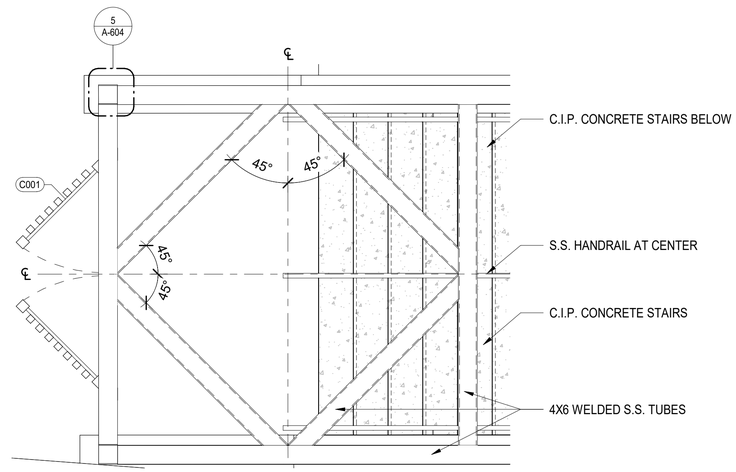
6 A-604 DETAIL @ POST

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



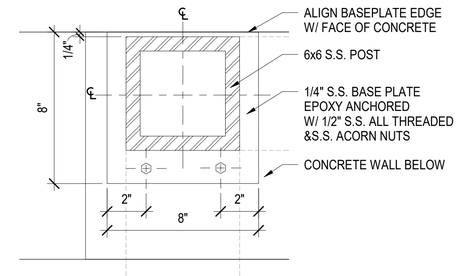
3 A-604 5TH STREET ENCLOSURE - NORTH ELEVATION

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



4 A-604 ENLARGED PLAN - 5TH STREET ENCLOSURE GATE

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



5 A-604 5TH STREET GATE BASEPLATE DETAIL

SCALE: 3" = 1'-0"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

HNTB CORPORATION 50896 REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CHARLOTTE, N.C.

BLAIR WAGENBLAST 13869 REGISTERED ARCHITECT NORTH CAROLINA CHARLOTTE, N.C.

Blair Wagenblast 3/27/2018

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NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

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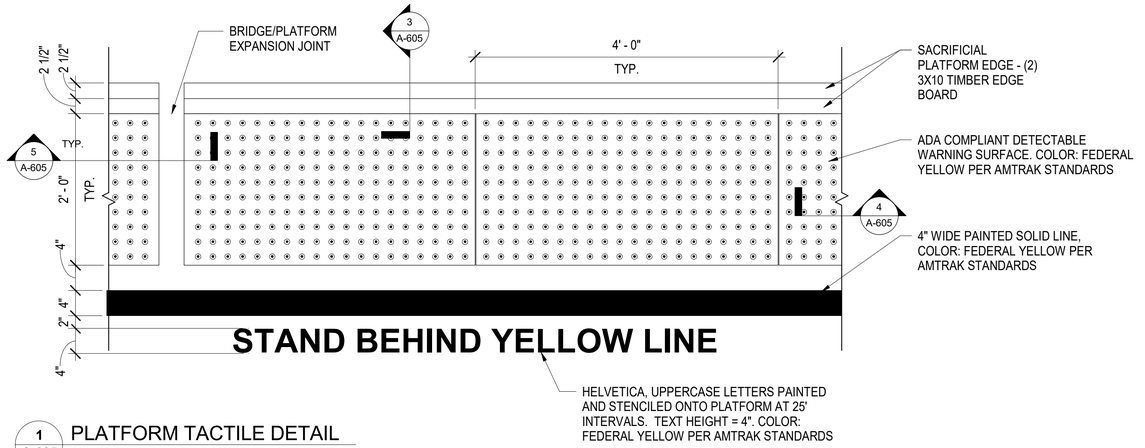
DWG. NO. 32

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

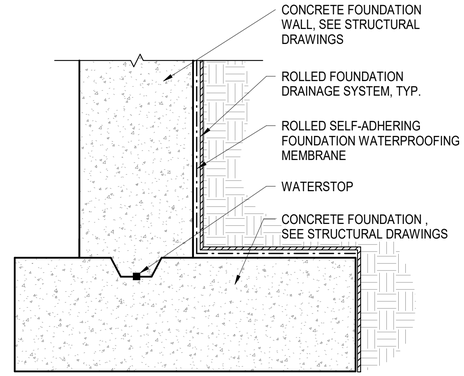
5TH STREET ENCLOSURE

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-604
1			3			TOTAL SHEETS
2			4			35

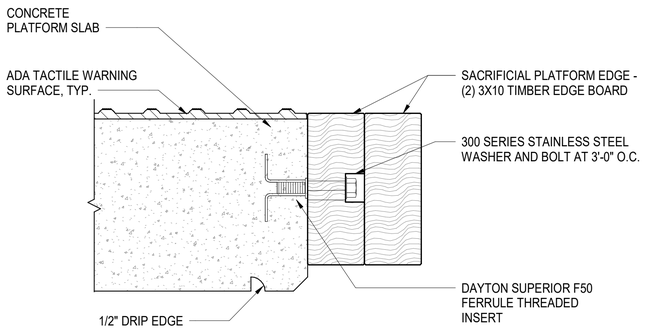
0012DEL_P28



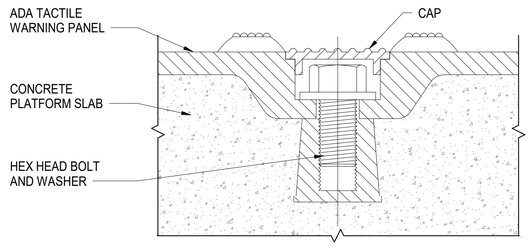
1 A-605 PLATFORM TACTILE DETAIL
SCALE: 1" = 1'-0" 0 1" 2"



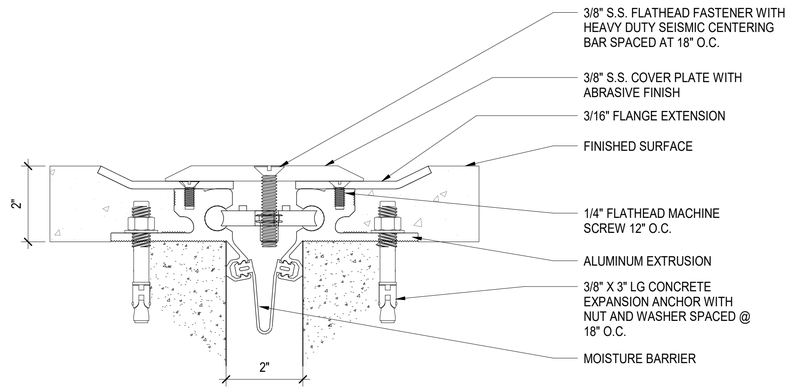
2 A-605 TYPICAL FOUNDATION DETAIL
SCALE: 1 1/2" = 1'-0" 0 6" 1'



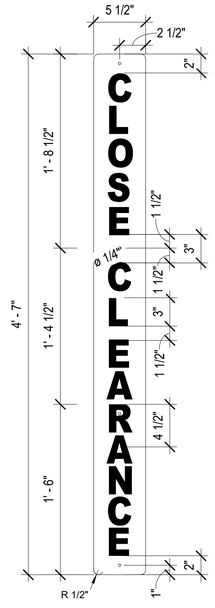
3 A-605 SECTION - TACTILE SURFACE @ EDGE
SCALE: 3" = 1'-0" 0 6" 1'



4 A-605 TACTILE SURFACE ANCHOR DETAILS
SCALE: 12" = 1'-0" 0 1" 2"



5 A-605 2" EXPANSION JOINT COVER DETAIL
SCALE: 6" = 1'-0" 0 3" 6"



6 A-605 CLOSE CLEARANCE SIGN
SCALE: 1 1/2" = 1'-0" 0 6" 1'

NOTES

1. CLOSE CLEARANCE SIGNS SHALL BE DISPLAYED WHERE OBJECTS DO NOT PROVIDE FOR FULL CLEARANCE AS SET FORTH ON PLAN AM 70050
2. SIGNS SHALL BE LOCATED ON A FLAT SURFACE AS NEAR AS POSSIBLE TO CLOSE CLEARANCE SITUATION AND IN SUCH A MANNER AS TO BE HIGHLY VISIBLE TO ALL PERSONNEL. SIGNS SHALL BE MOUNTED ON FURRING STRIPS TO AFFORD VENTILATION.
3. LETTERS SHALL BE AS PER PLAN AM 78010
4. SIGN PLATE SHALL BE 0.124 IN. - 5052 ALUMINUM.
5. ONE FACE OF THE PLATE SHALL BE COVERED WITH NO. 3970 WHITE SCHOTCHLITE DIAMOND GRACE REFLECTIVE FILM OR APPROVED EQUIVALENT AND LETTERS OF NO. 3650-12 BLACK SCOTCHCAL OR APPROVED EQUIVALENT.

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
Blair Wagenblast 3/27/2018
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343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

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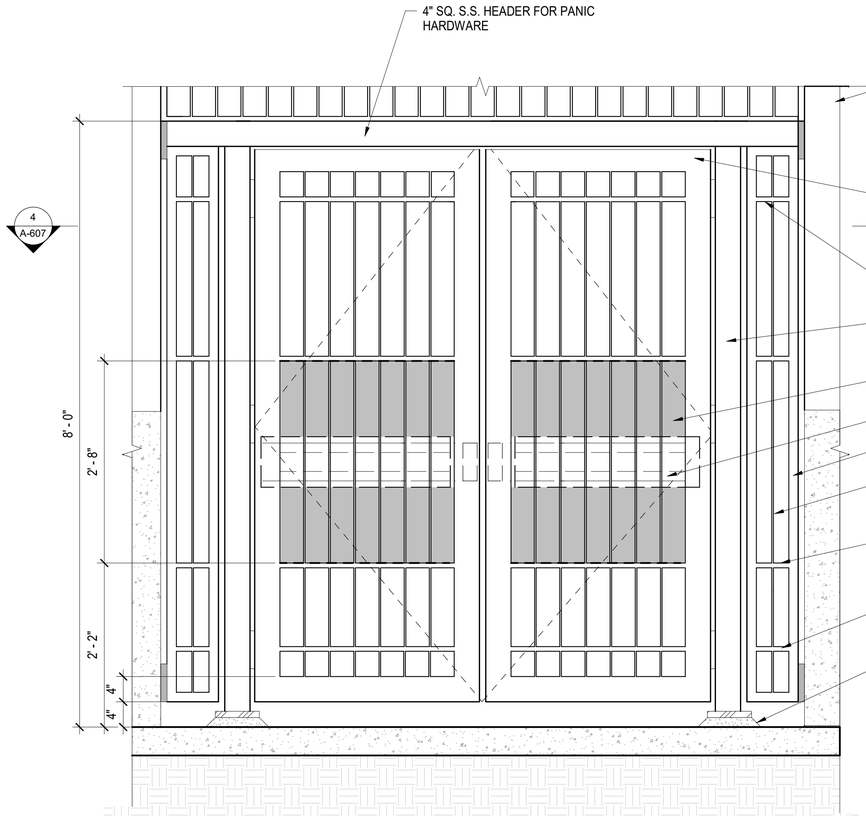
CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 33

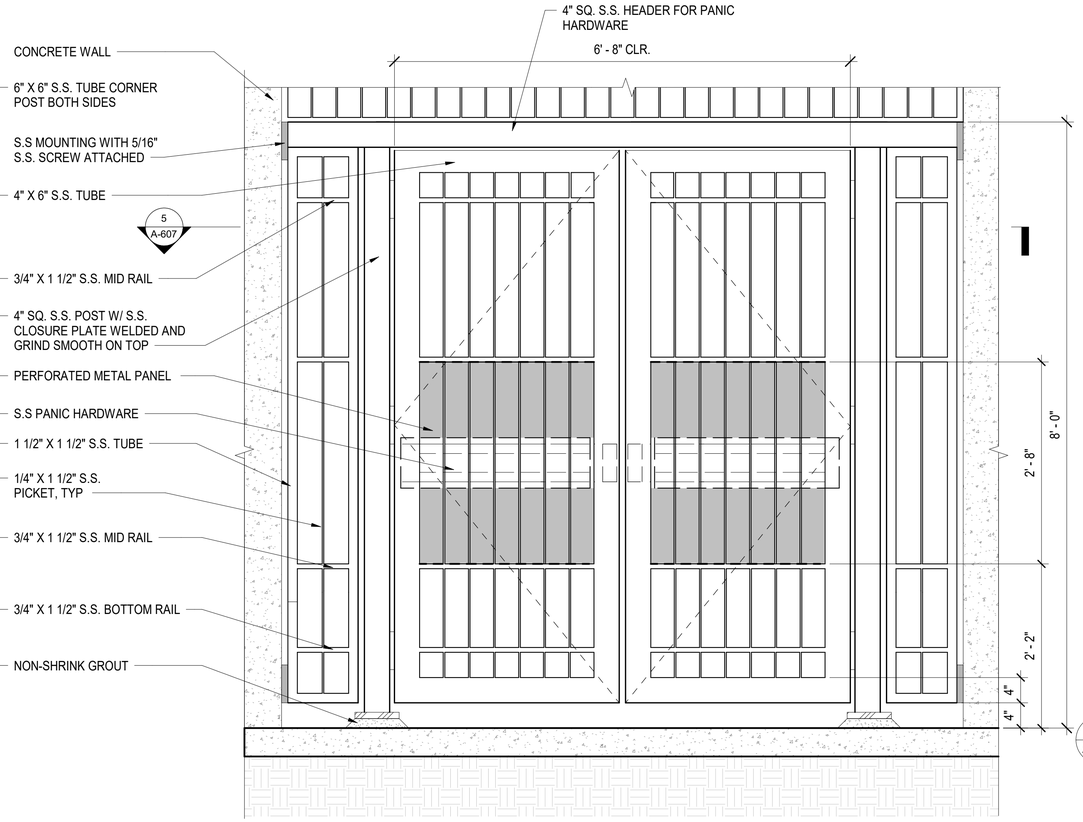
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

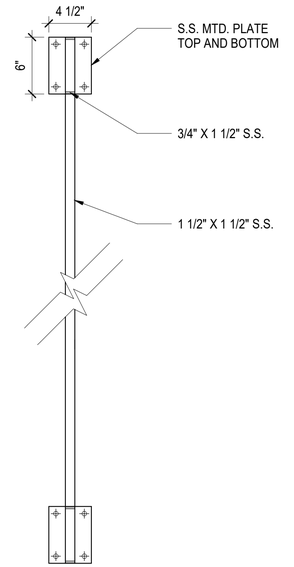
PLATFORM AND FOUNDATION DETAILS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-605
1			3			TOTAL SHEETS
2			4			35

0012DEL_P28



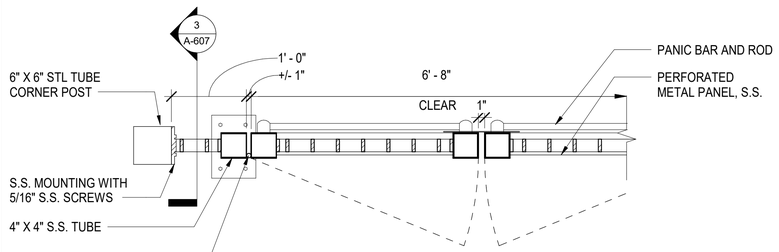




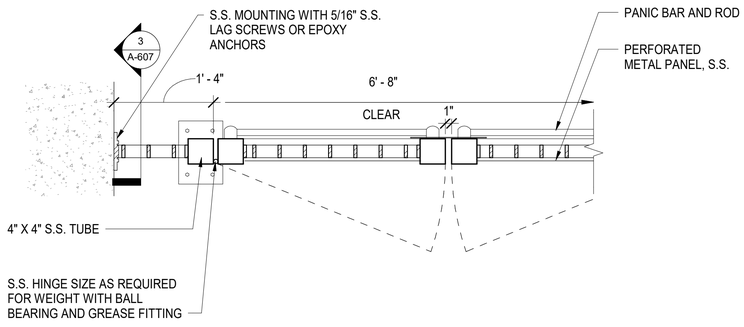
3 A-607 DETAIL - SECTION AT MOUNTING
SCALE: 1 1/2" = 1'-0"

1 A-607 DETAIL ELEVATION - GATE C001
SCALE: 1" = 1'-0"

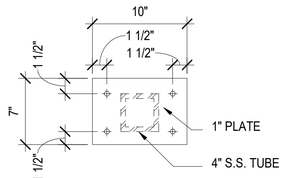
2 A-607 DETAIL ELEVATION - GATE C002
SCALE: 1" = 1'-0"



4 A-607 DETAIL PLAN - GATE C001
SCALE: 1" = 1'-0"



5 A-607 DETAIL PLAN - GATE C002
SCALE: 1" = 1'-0"



7 A-607 BASEPLATE DETAIL @ GATE
SCALE: 1 1/2" = 1'-0"

PROJECT NO. P-5705BB
MECKLENBURG COUNTY
STATION: 19+15.71 -S1-

SHEET 1 OF 2

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.
BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.
Blair Wagenblast 3/27/2018
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DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 34

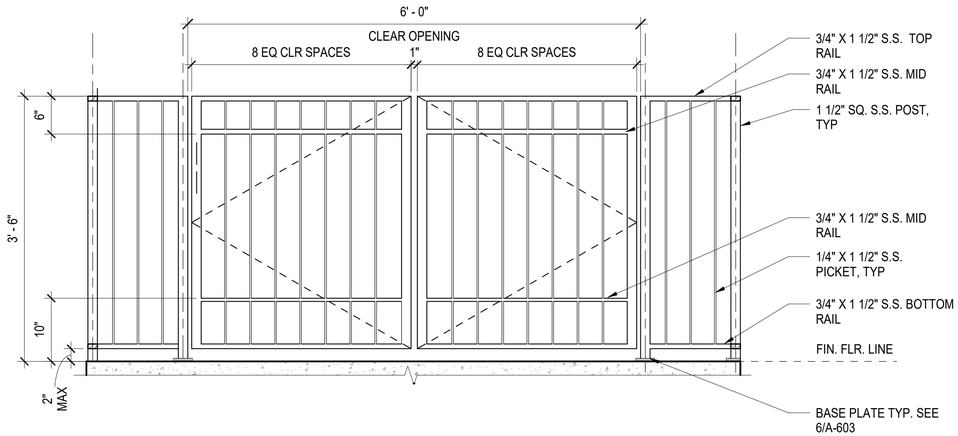
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GATE DETAILS

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-607
1			3			TOTAL SHEETS
2			4			35

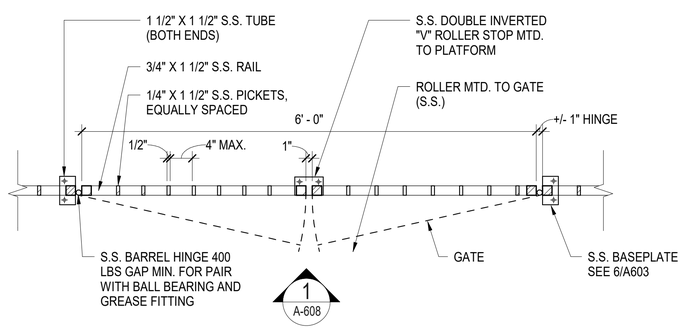
0012DEL_P28

GATE SCHEDULE							
GATE NUMBER	SIZE			TYPE	FINISH	HARDWARE GROUP	NOTES
	NUMBER OF PANELS	LEAF WIDTH	HEIGHT				
C001	2	3' - 0"	8' - 0"	EMER. EGRESS GATE	STAINLESS STEEL	1	
C002	2	3' - 0"	8' - 0"	EMER. EGRESS GATE	STAINLESS STEEL	1	
P001	2	3' - 0"	3' - 6"	EMER. EGRESS GATE	STAINLESS STEEL	2	
P002	2	3' - 0"	3' - 6"	EMER. EGRESS GATE	STAINLESS STEEL	2	
P003	2	3' - 0"	3' - 6"	BAGGAGE RAMP GATE	STAINLESS STEEL	2	GATE TO BE ELECTRONICALLY CONTROLLED IN THE FUTURE



1 / A-608 3' - 6" GATE DETAIL

SCALE: 1" = 1'-0"



2 / A-608 DETAIL PLAN - GATE P001, P002, P0013

SCALE: 1" = 1'-0"

PROJECT NO. P-5705BB

MECKLENBURG COUNTY

STATION: 19+15.71 -S1-

SHEET 2 OF 2

HNTB CORPORATION REGISTERED ARCHITECTURAL CORPORATION 50896 NORTH CAROLINA CHARLOTTE, N.C.

4/5/2018

BLAIR WAGENBLAST REGISTERED ARCHITECT 13869 NORTH CAROLINA CHARLOTTE, N.C.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GATE DETAILS

HNTB NORTH CAROLINA, P.C.
NC License No. 50896
343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609

DRAWN BY I OCHIENG DATE 3/27/18
CHECKED BY B WAGENBLAST DATE 3/27/18
DWG. NO. 35

REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	A-608
1			3			TOTAL SHEETS
2			4			35

STANDARD NOTES

DESIGN DATA:

SPECIFICATIONS	A.A.S.H.T.O. (CURRENT)
LIVE LOAD	SEE PLANS
IMPACT ALLOWANCE	SEE A.A.S.H.T.O.
STRESS IN EXTREME FIBER OF STRUCTURAL STEEL - AASHTO M270 GRADE 36	20,000 LBS. PER SQ. IN.
- AASHTO M270 GRADE 50W	27,000 LBS. PER SQ. IN.
- AASHTO M270 GRADE 50	27,000 LBS. PER SQ. IN.
REINFORCING STEEL IN TENSION - GRADE 60	24,000 LBS. PER SQ. IN.
CONCRETE IN COMPRESSION	1,200 LBS. PER SQ. IN.
CONCRETE IN SHEAR	SEE A.A.S.H.T.O.
STRUCTURAL TIMBER - TREATED OR UNTREATED EXTREME FIBER STRESS	1,800 LBS. PER SQ. IN.
COMPRESSION PERPENDICULAR TO GRAIN OF TIMBER	375 LBS. PER SQ. IN.
EQUIVALENT FLUID PRESSURE OF EARTH	30 LBS. PER CU. FT. (MINIMUM)

MATERIAL AND WORKMANSHIP:

EXCEPT AS MAY OTHERWISE BE SPECIFIED ON PLANS OR IN THE SPECIAL PROVISIONS, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2018 "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" OF THE N. C. DEPARTMENT OF TRANSPORTATION.

STEEL SHEET PILING FOR PERMANENT OR TEMPORARY APPLICATIONS SHALL BE HOT ROLLED.

CONCRETE:

UNLESS OTHERWISE REQUIRED ON PLANS, CLASS A CONCRETE SHALL BE USED FOR ALL PORTIONS OF ALL STRUCTURES WITH THE EXCEPTION THAT: CLASS AA CONCRETE SHALL BE USED IN BRIDGE SUPERSTRUCTURES, ABUTMENT BACKWALLS, AND APPROACH SLABS; AND CLASS B CONCRETE SHALL BE USED FOR SLOPE PROTECTION AND RIP RAP.

CONCRETE CHAMFERS:

UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXPOSED CORNERS ON STRUCTURES SHALL BE CHAMFERED ¾" WITH THE FOLLOWING EXCEPTIONS: TOP CORNERS OF CURBS MAY BE ROUNDED TO 1½" RADIUS WHICH IS BUILT INTO CURB FORMS; CORNERS OF TRANSVERSE FLOOR EXPANSION JOINTS SHALL BE ROUNDED WITH A ¼" FINISHING TOOL UNLESS OTHERWISE REQUIRED ON PLANS; AND CORNERS OF EXPANSION JOINTS IN THE ROADWAY FACES AND TOPS OF CURBS AND SIDEWALKS SHALL BE ROUNDED TO A ¼" RADIUS WITH A FINISHING STONE OR TOOL UNLESS OTHERWISE REQUIRED ON PLANS.

DOWELS:

DOWELS WHEN INDICATED ON PLANS AS FOR CULVERT EXTENSIONS, SHALL BE EMBEDDED AT LEAST 12" INTO THE OLD CONCRETE AND GROUTED INTO PLACE WITH 1:2 CEMENT MORTAR.

ALLOWANCE FOR DEAD LOAD DEFLECTION, SETTLEMENT, ETC. IN CASTING SUPERSTRUCTURES:

BRIDGES SHALL BE BUILT ON THE GRADE OR VERTICAL CURVE SHOWN ON PLANS. SLABS, CURBS AND PARAPETS SHALL CONFORM TO THE GRADE OR CURVE.

ALL DIMENSIONS WHICH ARE GIVEN IN SECTION AND ARE AFFECTED BY DEAD LOAD DEFLECTIONS ARE DIMENSIONS AT CENTER LINE OF BEARING UNLESS OTHERWISE NOTED ON PLANS. IN SETTING FORMS FOR STEEL BEAM BRIDGES AND PRESTRESSED CONCRETE GIRDER BRIDGES, ADJUSTMENTS SHALL BE MADE DUE TO THE DEAD LOAD DEFLECTIONS FOR THE ELEVATIONS SHOWN. WHERE BLOCKS ARE SHOWN OVER BEAMS FOR BUILDING UP TO THE SLAB, THE VERTICAL DIMENSIONS OF THE BLOCKS SHALL BE ADJUSTED BETWEEN BEARINGS TO COMPENSATE FOR DEAD LOAD DEFLECTIONS, VERTICAL CURVE ORDINATE, AND ACTUAL BEAM CAMBER. WHERE BOTTOM OF SLAB IS IN LINE WITH BOTTOM OF TOP FLANGES, DEPTH OF SLAB BETWEEN BEARINGS SHALL BE ADJUSTED TO COMPENSATE FOR DEAD LOAD DEFLECTION, VERTICAL CURVE ORDINATE, AND ACTUAL BEAM CAMBER.

IN SETTING FALSEWORK AND FORMS FOR REINFORCED CONCRETE SPANS, AN ALLOWANCE SHALL BE MADE FOR DEAD LOAD DEFLECTIONS, SETTLEMENT OF FALSEWORK, AND PERMANENT CAMBER WHICH SHALL BE PROVIDED FOR IN ADDITION TO THE ELEVATIONS SHOWN. AFTER REMOVAL OF THE FALSEWORK, THE FINISHED STRUCTURES SHALL CONFORM TO THE PROFILE AND ELEVATIONS SHOWN ON THE PLANS AND CONSTRUCTION ELEVATIONS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR FALSEWORK OR FORMS FOR BRIDGE SUPERSTRUCTURE AND ANY STRUCTURE OR PARTS OF A STRUCTURE AS NOTED ON THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE CONSTRUCTION OF THE FALSEWORK OR FORMS IS STARTED.

REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE DEFORMED. DIMENSIONS RELATIVE TO PLACEMENT OF REINFORCING ARE TO CENTERS OF BARS UNLESS OTHERWISE INDICATED IN THE PLANS. DIMENSIONS ON BAR DETAILS ARE TO CENTERS OF BARS OR ARE OUT TO OUT AS INDICATED ON PLANS.

WIRE BAR SUPPORTS SHALL BE PROVIDED FOR REINFORCING STEEL WHERE INDICATED ON THE PLANS. WHEN BAR SUPPORT PIECES ARE PLACED IN CONTINUOUS LINES, THEY SHALL BE SO PLACED THAT THE ENDS OF THE SUPPORTING WIRES SHALL BE LAPPED TO LOCK LEGS ON ADJOINING PIECES.

STRUCTURAL STEEL:

AT THE CONTRACTOR'S OPTION, HE MAY SUBSTITUTE ⅞" Ø SHEAR STUDS FOR THE ¾" Ø STUDS SPECIFIED ON THE PLANS. THIS SUBSTITUTION SHALL BE MADE AT THE RATE OF 3 - ⅞" Ø STUDS FOR 4 - ¾" Ø STUDS, AND STUD SPACING CHANGES SHALL BE MADE AS NECESSARY TO PROVIDE THE SAME EQUIVALENT NUMBER OF ⅞" Ø STUDS ALONG THE BEAM AS SHOWN FOR ¾" Ø STUDS BASED ON THE RATIO OF 3 - ⅞" Ø STUDS FOR 4 - ¾" Ø STUDS. STUDS OF THE LENGTH SPECIFIED ON THE PLANS MUST BE PROVIDED. THE MAXIMUM SPACING SHALL BE 2'-0".

EXCEPT AT THE INTERIOR SUPPORTS OF CONTINUOUS BEAMS WHERE THE COVER PLATE IS IN CONTACT WITH BEARING PLATE, THE CONTRACTOR MAY, AT HIS OPTION, SUBSTITUTE FOR THE COVER PLATES DESIGNATED ON THE PLANS COVER PLATES OF THE EQUIVALENT AREA PROVIDED THESE PLATES ARE AT LEAST 5/16" IN THICKNESS AND DO NOT EXCEED A WIDTH EQUAL TO THE FLANGE WIDTH LESS 2" OR A THICKNESS EQUAL TO 2 TIMES THE FLANGE THICKNESS. THE SIZE OF FILLET WELDS SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT ANSI/AASHTO/AWS "BRIDGE WELDING CODE". ELECTROSLAG WELDING WILL NOT BE PERMITTED.

WITH THE SOLE EXCEPTION OF EDGES AT SURFACES WHICH BEAR ON OTHER SURFACES, ALL SHARP EDGES AND ENDS OF SHAPES AND PLATES SHALL BE SLIGHTLY ROUNDED BY SUITABLE MEANS TO A RADIUS OF APPROXIMATELY 1/16 INCH OR EQUIVALENT FLAT SURFACE AT A SUITABLE ANGLE PRIOR TO PAINTING, GALVANIZING, OR METALLIZING.

HANDRAILS AND POSTS:

METAL STANDARDS AND FACES OF THE CONCRETE END POSTS FOR THE METAL RAIL SHALL BE SET NORMAL TO THE GRADE OF THE CURB, UNLESS OTHERWISE SHOWN ON PLANS. THE METAL RAIL AND TOPS OF CONCRETE POSTS USED WITH THE ALUMINUM RAIL SHALL BE BUILT PARALLEL TO THE GRADE OF THE CURB.

METAL HANDRAILS SHALL BE IN ACCORDANCE WITH THE PLANS. RAILS SHALL BE AS MANUFACTURED FOR BRIDGE RAILING. CASTINGS SHALL BE OF A UNIFORM APPEARANCE. FINS AND OTHER DEFORMATIONS RESULTING FROM CASTING OR OTHERWISE SHALL BE REMOVED IN A MANNER SO THAT A UNIFORM COLORING OF THE COMPLETED CASTING SHALL BE OBTAINED. CASTINGS WITH DISCOLORATIONS OR OF NON-UNIFORM COLORING WILL NOT BE ACCEPTED. CERTIFIED MILL REPORTS ARE REQUIRED FOR METAL RAILS AND POSTS.

SPECIAL NOTES:

GENERALLY, IN CASE OF DISCREPANCY, THIS STANDARD SHEET OF NOTES SHALL GOVERN OVER THE SPECIFICATIONS, BUT THE REMAINDER OF THE PLANS SHALL GOVERN OVER NOTES HEREON, AND SPECIAL PROVISIONS SHALL GOVERN OVER ALL. SEE SPECIFICATIONS ARTICLE 105-4.

ENGLISH

JANUARY, 1990