WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

metro

DESIGN OF NEW STAIR FOR BETHESDA STATION

7450 WISCONSIN AVENUE

BETHESDA, MD 20814

CONTRACT NO. 13-FQ10060-MCAP-19

FINAL SUBMISSION
NOVEMBER 28, 2012

GFP A Gannett Fleming/Parsons JOINT VENTURE

GENERAL NOTES

1. NOT ALL SYMBOL DEPICTED ON THIS DRAWING ARE USED IN THE ARCHITECTURAL DRAWINGS.
2. VERIFY ALL DIMENSIONS IN THE FIELD.
3. VERIFY ALL FIELD CONDITIONS.
4. ALL DIMENSIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
5. ALL WORK WILL BE COMPLETED IN ACCORDANCE WITH THE LATEST VERSIONS OF I.B.C. AND LIFE SAFETY CODES. SEE THIS SHEET FOR LIST OF CODES. ALL WORK IS DESIGNED AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH WMATA DESIGN CRITERIA, VERSION 9.
6. DO NOT SCALE DRAWINGS FOR PURPOSES OF CONSTRUCTION.
7. ANY DEVIATION FROM, OR IN FIELD ALTERATION TO THESE DRAWINGS, AND SPECIFICATIONS IS STRICTLY PROHIBITED WITHOUT PRIOR APPROVAL OF A.R. ANY SUCH ALTERATIONS SHALL BE CORRECTED AT ONCE, WITH NO EXPENSE TO THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES REGARDLESS OF DISCREPANCIES IN THE CONTRACT DOCUMENTS. NO ADDITIONAL COSTS WILL BE PAID BY THE OWNER TO RECTIFY WORK TO BE RELOCATED DUE TO LACK OF JOBSITE COORDINATION.
9. DEMOLITION, CUTTING, AND PATCHING OF ANY MATERIALS OR FIXTURES REQUIRED TO CONSTRUCT THE PROJECT IS HEREIN MADE A PART OF THESE DOCUMENTS.
10. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS.
11. THE IMAGES ON THE CONSTRUCTION DOCUMENT FLOOR PLANS REFLECT THE INFORMATION FROM THE ORIGINAL CONSTRUCTION DOCUMENTS FOR THE PROJECT, IT IS NOT AN INDICATION OF NEW WORK, IT IS SHOWN IN GRAY LINE COLOR. THE NEW WORK AND REQUIRED DEMOLITION OR REMOVALS ARE SHOWN IN BLACK LINE COLOR. IF THE DIFFERENCE IS NOT OBVIOUS, REPORT TO THE A.R. IMMEDIATELY.
12. ALL WORK INDICATED OR SHOWN GRAPHICALLY AS "EXISTING TO REMAIN" WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND WORK AROUND WITHOUT DISTURBING. IF DAMAGED, THE CONTRACTOR WILL REPLACE AT NO ADDITIONAL COST TO THE OWNER.
13. FIREPROOF ALL NEW STRUCTURAL STEEL, INCLUDING, BUT NOT LIMITED TO COLUMNS, BEAMS, METAL DECK, AND MISCELLANEOUS METALS – SEE SPECIFICATION SECTION 07.81.00.
14. CUTTING AND PATCHING OF QUARRY TILE PAVERS WILL BE UNDERTAKEN CAREFULLY, NEW TILE WILL BE "TOOTHED" INTO EXISTING IN AREAS OF STRUCTURAL DEMOLITION.
15. THE DOOR AND FRAME BELOW THE STAIR ARE HOLLOW METAL. THE DOOR SIZE IS 9'–0" HIGH BY 4'–4" WIDE. THE ACTIVE LEAF IS 3'–0" WIDE. THE DOORS AND FRAME ARE PAINTED. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

INDEX OF DRAWINGS

ARCHITECTURAL DRAWINGS

STRUCTURAL DRAWINGS

ELECTRICAL DRAWINGS

ADC MAP – 3RD EDITION, 2000 Alexandria Drafting Company

VICINITY MAP
SCALE: NONE

CODE INFORMATION:

APPLICABLE CODES:

BUILDING CODE:	2012 INTERNATIONAL BUILDING CODE
ELECTRICAL CODE:	2008 NFPA 70 NATIONAL ELECTRICAL CODE
LIFE SAFETY CODE:	2009 NFPA 101 LIFE SAFETY CODE
ACCESSIBILTY CODES:	MARYLAND ACCESSIBILITY CODE GUIDELINES FOR BUILDINGS AND FACILITIES – CONMAR 05.02.02, ADAAG, & FFHAG

NOTE: ALL APPLICABLE CODES TO INCLUDE MONTGOMERY COUNTY AMENDMENTS

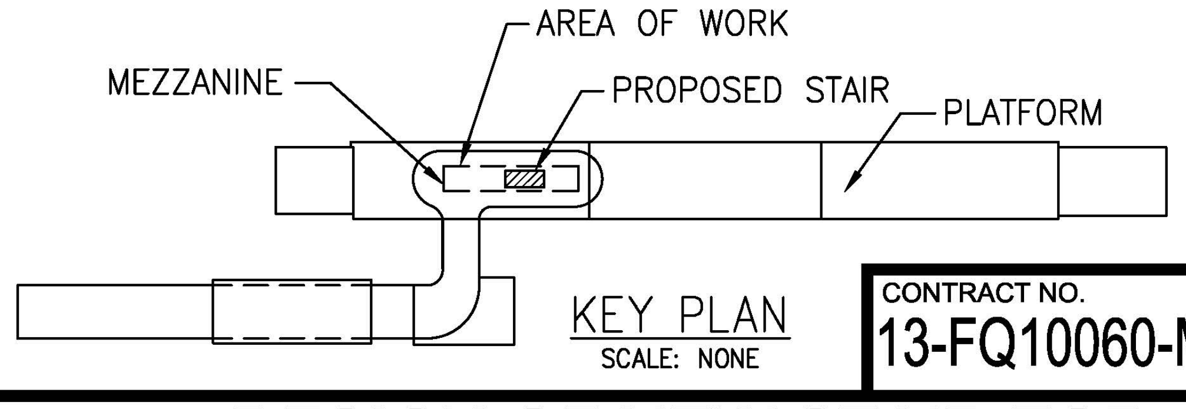
BUILDING INFORMATION:

USE GROUP:	A–3 ASSEMBLY
CONSTRUCTION TYPE:	1B NON–COMBUSTIBULE

SPRINKLER SYSTEM:

EXISTING BUILDING:	NONE–NOT REQUIRED
PROPOSED CONSTRUCTION:	NOT REQUIRED

SYSTEM MAP
SCALE: NONE



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	J. SCHNEIDER	08/12 DATE
DRAWN	C. RICHARDSON	11/12 DATE
CHECKED	J. SCHNEIDER	11/12 DATE
APPROVED	R. ST. JOHN	11/12 DATE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE
AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED ____________

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED ____________
PROJECT MANAGER

DESIGN OF NEW STAIR FOR
BETHESDA STATION
GENERAL
INDEX OF DRAWINGS, VICINITY MAP, & LOCATION MAP

SCALE	DRAWING NO.	SHEET NO.
NONE	G–002	–002

ARCHITECTURAL ABBREVIATIONS

ABV	ABOVE
AC	AIR CONDITIONER
ACST	ACOUSTIC
ADDL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AL	ALUMINUM
ALT	ALTERNATE
A.R.	AUTHORITY REPRESENTATIVE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPHRS	ASPHALT ROOF SHINGLES
ASSN	ASSOCIATION
ASST	ASSISTANT
ASSY	ASSEMBLY
AVE	AVENUE
AVG	AVERAGE
BALC	BALCONY
BD	BOARD
BETW	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BLR	BOILER
BM	BEAM
BM	BENCHMARK
BOT	BOTTOM
BP	BASE PLATE
BRDG	BRIDGING
BRG	BEARING
BS	BOTH SIDES
BSMT	BASEMENT
CAB	CABINET
CAP	CAPACITY
CARP	CARPET
CDR	COILING DOOR
CER	CERAMIC
CER TILE	CERAMIC TILE
CI	CAST IRON
CIP	CAST–IRON PIPE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMIU	CONCRETE MASONRY INSULATED UNIT
CMU	CONCRETE MASONRY UNIT
CNCL	CONCEALED
CO	CLEANOUT
CO	COMPANY
COL	COLUMN
COMP	COMPOSITION
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CRV	CURVED
CSK	COUNTERSINK
CTD	COATED
CTR	CENTER
CUH	CABINET UNIT HEATER
D	DEPTH
DBL	DOUBLE
DEG	DEGREE
DEPT	DEPARTMENT
DET	DETAIL
DGL	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DMPF	DAMPPROOFING
DN	DOWN
DPN	DEMOUNTABLE PARTITION MANUFACTURER
DR	DOOR
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EGEN	EMERGENCY GENERATOR
EF	EXHAUST FAN
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EX	EXISTING
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
FAB	FABRICATE
FBD	FIBERBOARD
FD	FLOOR DRAIN
FDN	FOUNDATION
FDR	FIRE DOOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER & CABINET
FHY	FIRE HYDRANT
FIN	FINISH
FIX	FIXTURE
FL	FLASHING
FLEX	FLEXIBLE
FLG	FLANGE
FLR	FLOOR
FLRG	FLOORING
FP	FIREPROOF
FRP	FIBERGLASS–REINFORCED PLASTICS
FT	FOOT
FTG	FOOTING
FURN	FURNITURE
GA	GAUGE
GALV	GALVANIZED
GAR	GARAGE
GEN	GENERATOR
GL	GLASS
GLU–LAM	GLUE–LAMINATED
GOVT	GOVERNMENT
GR	GRADE
GRD	GROUND
GVL	GRAVEL
GWB	GYPSUM WALLBOARD
GYP	GYPSUM
H	HIGH
HDWE	HARDWARE
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HORIZ	HORIZONTAL
HPT	HIGH POINT
HT	HEIGHT
HTR	HEATER
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
ID	INSIDE DIAMETER
IE	THAT IS
IH	INTAKE HOOD
INSUL	INSULATION
INTR	INTERIOR
JST	JOIST
JT	JOINT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LG	LENGTH
LH	LEFT HAND
LIB	LIBRARY
LIN	LINEAR
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LPT	LOW POINT
LT	LIGHT
LWC	LIGHTWEIGHT CONCRETE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MGR	MANAGER
MH	MANHOLE
MIL	MILITARY
MIN	MINIMUM
MISC	MISCELLANEOUS
MET	METAL
ML	METAL LATH
MLDG	MOLDING
MLP	METAL LATH AND PLASTER
MO	MASONRY OPENING
MOD	MOTOR OPERATED DAMPER
MTG	MOUNTING
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NRC	NOISE–REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OH	OPPOSITE HAND
OHDR	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
P/L	PROPERTY LINE
PASS	PASSENGER
PEB	PRE–ENGINEERED BUILDING
PERF	PERFORATED
PL	PLATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
PORC	PORCELAIN
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTD	PAINTED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
QTF	QUARRY–TILE FLOOR
R	RADIUS
R	RISER
RD	ROOF DRAIN
REF	REFRIGERANT/REFRIGERATION
REFR	REFRIGERATOR
REINF	REINFORCE
REQD	REQUIRED
RET	RETURN
REV	REVISION
REG	REGISTER
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RWC	RAIN WATER CONDUCTOR
S	SOUTH
SAPC	SUSPENDED ACOUSTICAL PANEL CEILING
SCHED	SCHEDULE
SDG	SIDING
SEC	SECTION
SF	SQUARE FOOT
SGFT	STRUCTURAL GLAZED FACING TILE
SH	SHOWER
SHM	SECURITY HOLLOW METAL
SHT	SHEET
SI	INTERNATIONAL SYSTEM OF UNITS
SIM	SIMILAR
SKY	SKYLIGHT
SLDR	SLIDING DOOR
SMLS	SEAMLESS
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
ST	STAINED
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
STWY	STAIRWAY
SUPT	SUPERINTENDENT
SUPVR	SUPERVISOR
SURF	SURFACE
SUSP	SUSPENDED/SUSPENSION
SYS	SYSTEM
TB	TACK BOARD
T/	TOP OF
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TDD	TELECOMMUNICATION DISPLAY DEVICE
TEL	TELEPHONE
TEMP	TEMPERED
TER	TERRAZZO
THRU	THROUGH
TLT	TOILET
TRTD	TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WEST
W	WIDE
W/	WITH
W/O	WITHOUT
WBD	WALLBOARD
WC	WATER CLOSET
WD	WOOD
WDR	WOOD DOOR
WH	WATER HEATER
WTRPRF	WATERPROOFING
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
WB	WHITE BOARD

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional architect under the laws of the State of Maryland, License No. 5231–A, Expiration Date: 05–18–2013."

BUILDING MATERIALS

- BRICK
- CMU
- ACOUSTICAL CMU
- CMIU
- SGFT / GLAZED CMU
- CONCRETE
- GYP BD / GROUT
- BATT INSULATION
- RIGID INSULATION
- COARSE AGGREGATE /BALLAST
- STEEL
- ALUMINUM
- FINISH LUMBER
- DIMENSIONAL LUMBER
- SHIM
- PLYWOOD
- ACOUSTICAL PANEL
- TILE
- EARTH

LEGEND

SYMBOLS

- 100A – DOOR NUMBER REFERENCE
- 100 – ROOM NUMBER REFERENCE
- W / 1 – WINDOW TYPE REFERENCE
- L–2 – LINTEL TYPE REFERENCE
- LV10 – LOUVER TYPE REFERENCE
- 5 – TOILET ACCESSORY REFERENCE
- B – COLUMN REFERENCE
- A B C D / A–001 – MULTIPLE INTERIOR ELEVATION REFERENCE; DRAWING ON WHICH ELEVATION APPEARS
- A / A–001 – SINGLE INTERIOR ELEVATION REFERENCE; DRAWING ON WHICH ELEVATION APPEARS
- A – PARTITON TYPE REFERENCE
- LARGE SCALE PLAN REFERENCE

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DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

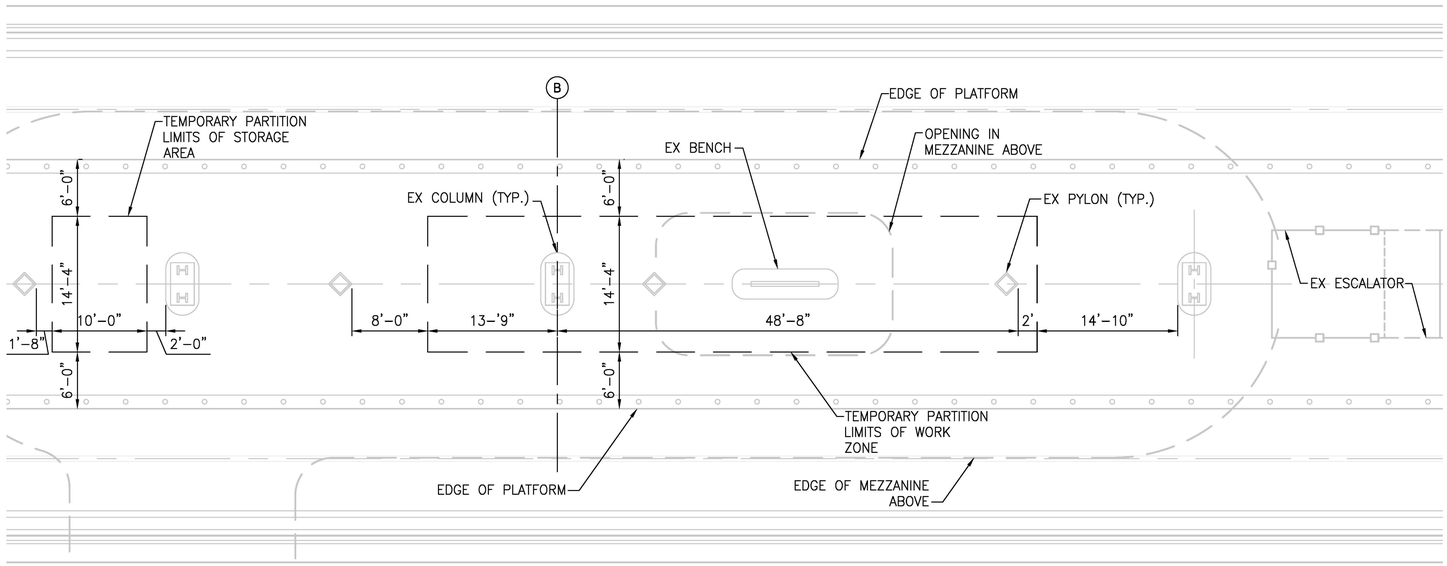
GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

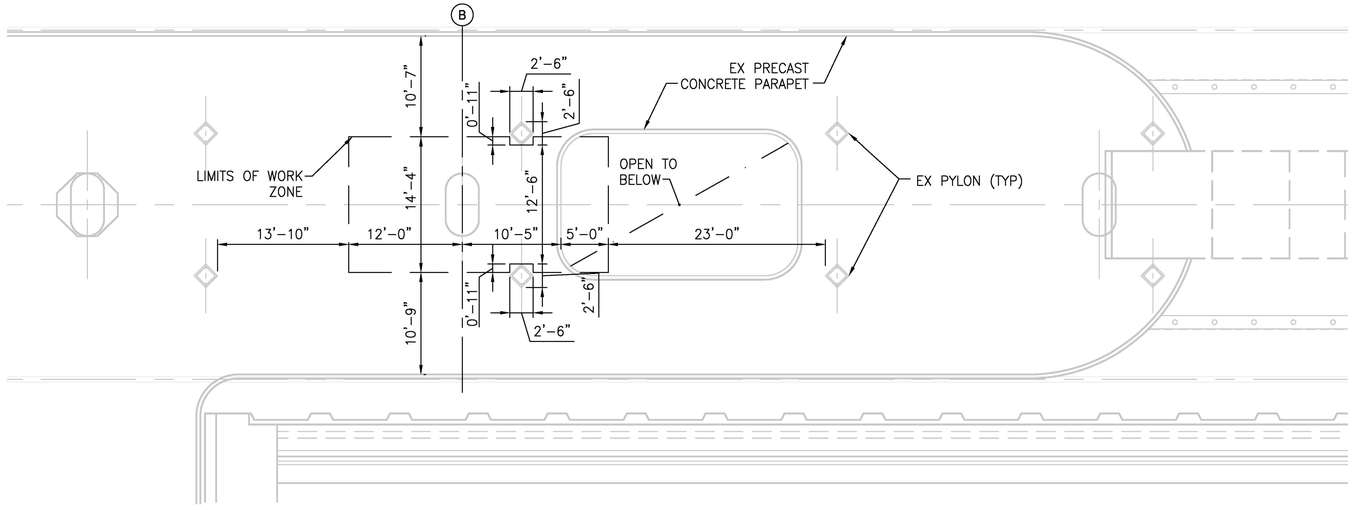
DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL
ABBREVIATIONS AND LEGENDS

SCALE	DRAWING NO.	SHEET NO.
NONE	A–001	–003



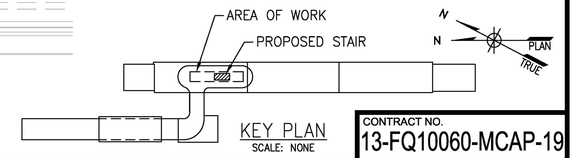
1 A-002 **PLATFORM LEVEL–WORK ZONE**
SCALE: 1/8"=1'-0"



2 A-002 **MEZZANINE LEVEL–WORK ZONE**
SCALE: 1/8"=1'-0"

WORK ZONE NOTES:

1. CONSTRUCT TEMPORARY PARTITIONS OF 2x4s @ 24" O.C. AND ⅝" PLYWOOD. ALL LUMBER IS TO BE FIRE–RATED.
2. EXTEND TO UNDERSIDE OF CEILING ON PLATFORM LEVEL. BRACE PARTITIONS TO FLOORS WITH ANGLED 2x4s–ANCHOR TO FLOOR SECURELY. REPLACE QUARRY TILES DAMAGED BY ATTACHMENT AFTER CONSTRUCTION IS COMPLETE.
3. CONSTRUCT PARTITIONS 8'–0" HIGH ON MEZZANINE LEVEL. ANCHOR TO FLOOR AS INDICATED IN NOTE 2.
4. LOCATE ACCESS DOORS WHERE NEEDED FOR CONSTRUCTION ACTIVITIES. CONTRACTOR TO DETERMINE LOCATIONS. A.R. TO APPROVE.
5. THE CONTRACTOR MAY EXTEND THE LENGTH OF THE WORK ZONE WITH WMATA'S APPROVAL, BUT MUST MAINTAIN MIN. 6'–0" FROM EDGE OF PLATFORM AND CONCRETE PARAPET.
6. PROVIDE TEMPORARY WARNING SIGNAGE IN ACCORDANCE WITH WMATA REQUIREMENTS.
7. PROVIDE TEMPORARY LIGHTING IN WORK ZONES INCLUDING STORAGE AREAS IN ACCORDANCE WITH WMATA DESIGN CRITERIA, VERSION 9.
8. CONSTRUCTION WORK AND STORAGE AREAS MUST BE APPROVED BY WMATA.



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	J. SCHNEIDER	08/12 DATE
DRAWN	C. RICHARDSON	11/12 DATE
CHECKED	J. SCHNEIDER	11/12 DATE
APPROVED	R. ST. JOHN	11/12 DATE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

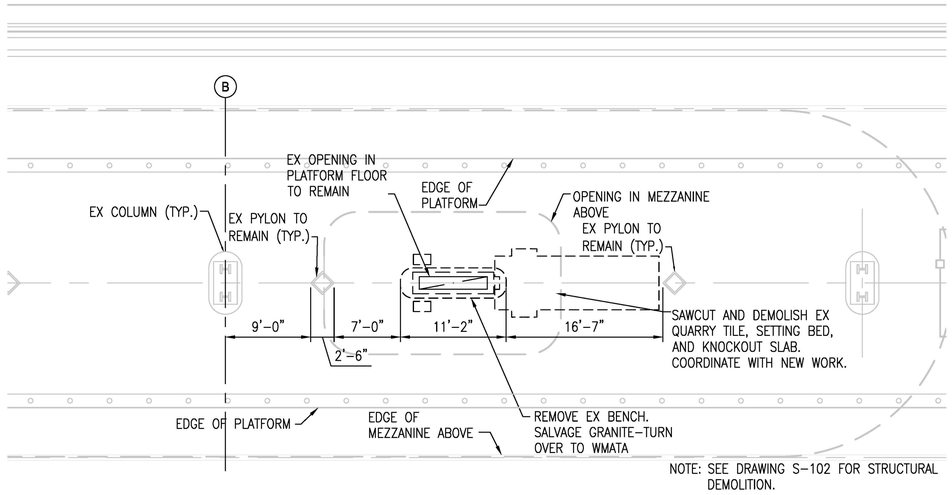
DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL
WORK ZONE PLAN

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	A–002	–004

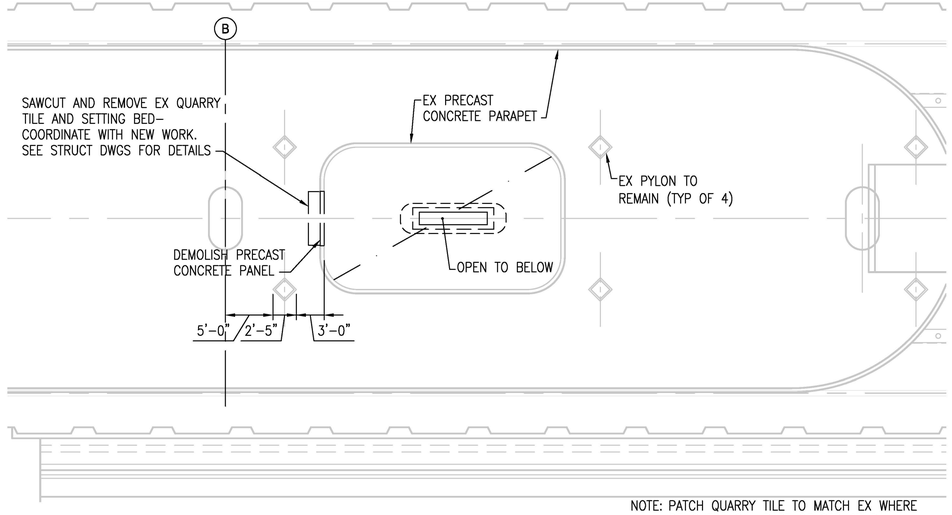
GENERAL DEMOLITION NOTES

1. VERIFY EXISTING FIELD CONDITIONS.
2. PRIOR TO DEMOLITION, VERIFY MATERIALS AND EQUIPMENT TO BE SALVAGED. STORE WHERE DIRECTED BY WMATA (OWNER).
3. VERIFY AND MARK ALL UNDER SLAB UTILITIES PRIOR TO THE START OF WORK.
4. REMOVE ALL RUBBISH AND DEMOLITION DEBRIS FROM THE SITE AND DISPOSE OF IN A LAWFUL MANNER.
5. COORDINATE GENERAL CONSTRUCTION DEMOLITION WITH THE STRUCTURAL AND ELECTRICAL DEMOLITION WORK.
6. REPAIR ALL EXISTING STRUCTURES, UTILITIES, AND EQUIPMENT, SCHEDULED TO REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OPERATIONS. ALL WORK SCHEDULED TO BE DEMOLISHED, WILL BE REMOVED COMPLETELY INCLUDING ALL FASTENERS, ATTACHMENTS, ACCESSORIES, OR ANY RELATED WORK.
7. DEMOLITION OF CONCRETE SLABS IS NOT SHOWN ON THE DEMOLITION PLAN AS IT RELATES TO DEMOLITION FOR OTHER TRADES SUCH AS STRUCTURAL FOUNDATIONS. SEE ELECTRICAL AND STRUCTURAL DRAWINGS FOR RELATED DEMOLITION WORK.
8. DEMOLITION INCLUDES ALL ITEMS WHETHER OR NOT SHOWN ON THE DRAWINGS, THAT ARE REQUIRED TO BE REMOVED IN ORDER TO INSTALL THE NEW WORK SHOWN ON DRAWING A-100 AND OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
9. ALL SURFACES TO REMAIN SHALL BE REFINISHED TO REPAIR ALL HOLES, SCRATCHES, DENTS, MARS, PITTING, ADHESIVE, BAD JOINTS, DEFECTIVE CMU, ETC. TO BE ACCEPTABLE IN EVERY WAY TO RECEIVE NEW FINISHES.
10. GC WILL COORDINATE LOCATIONS OF ALL UTILITIES IN PLENUM AREA BELOW PLATFORM AND VERIFY THAT ALL WORK IS COORDINATED.
11. PAINT DOORS AND FRAME WMATA "METRO BROWN", FEDERAL STANDARD, 595C PAINT COLOR.
12. FINISH FOR PRECAST WALL PANELS IS WMATA STANDARD BOARD FORM PATTERN.



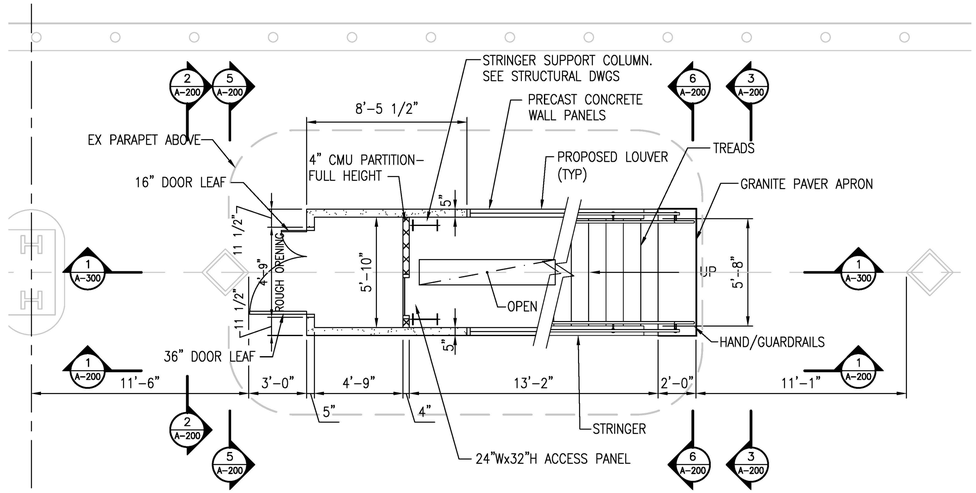
NOTE: SEE DRAWING S-102 FOR STRUCTURAL DEMOLITION.

1 A-100 PLATFORM LEVEL-DEMOLITION PLAN
SCALE: 1/8"=1'-0"

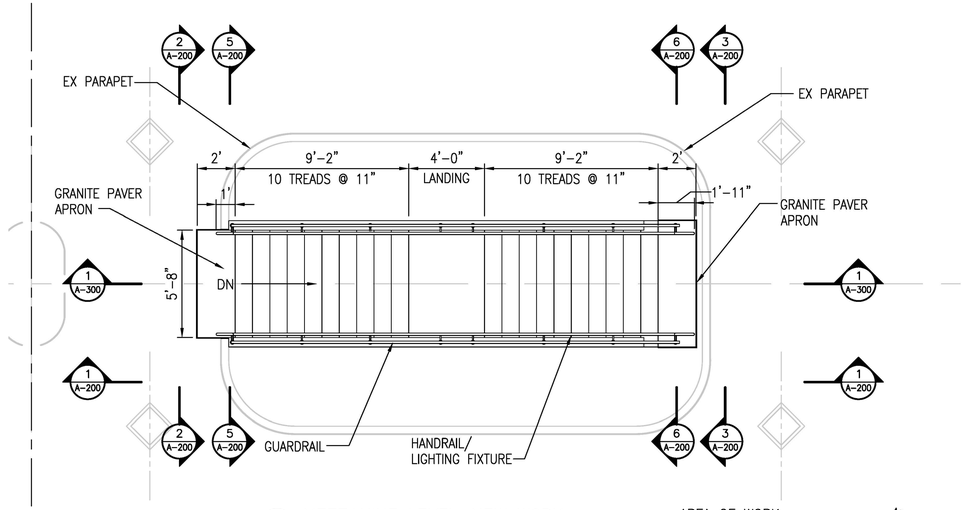


2 A-100 MEZZANINE LEVEL-DEMOLITION PLAN
SCALE: 1/8"=1'-0"

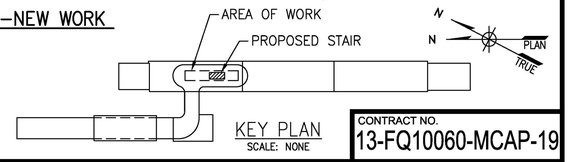
NOTE: PATCH QUARRY TILE TO MATCH EX WHERE REMOVED AS A PART OF STRUCTURAL DEMOLITION. SEE DETAIL 1, S-200.



3 A-100 PLATFORM LEVEL-NEW WORK
SCALE: 1/4"=1'-0"



4 A-100 MEZZANINE LEVEL-NEW WORK
SCALE: 1/4"=1'-0"



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

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APPROVED _____

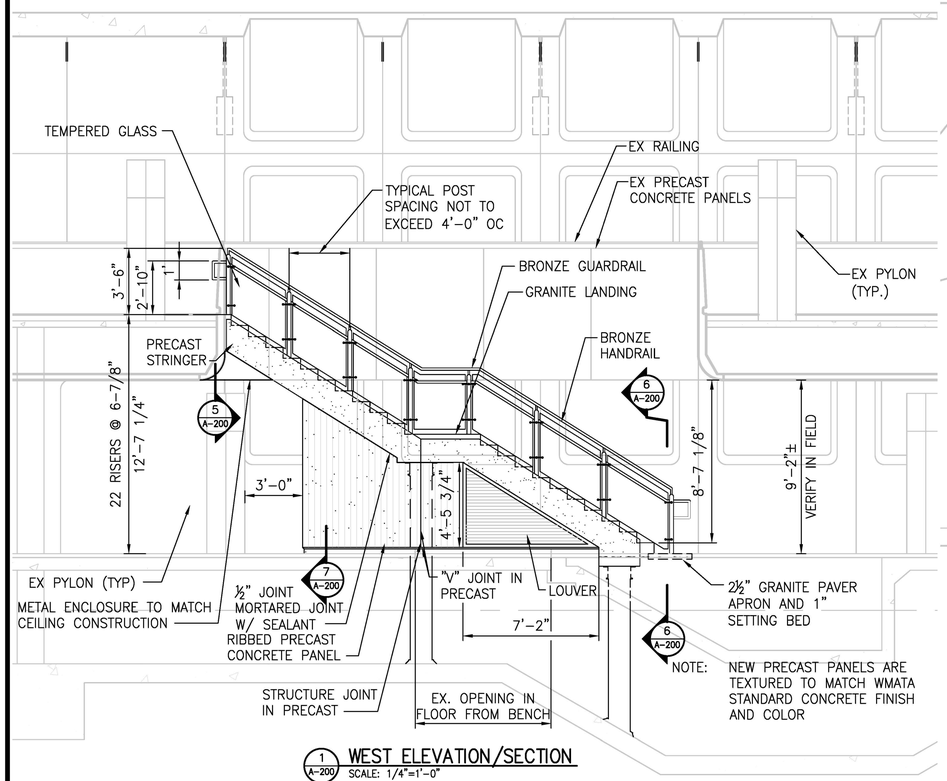
GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

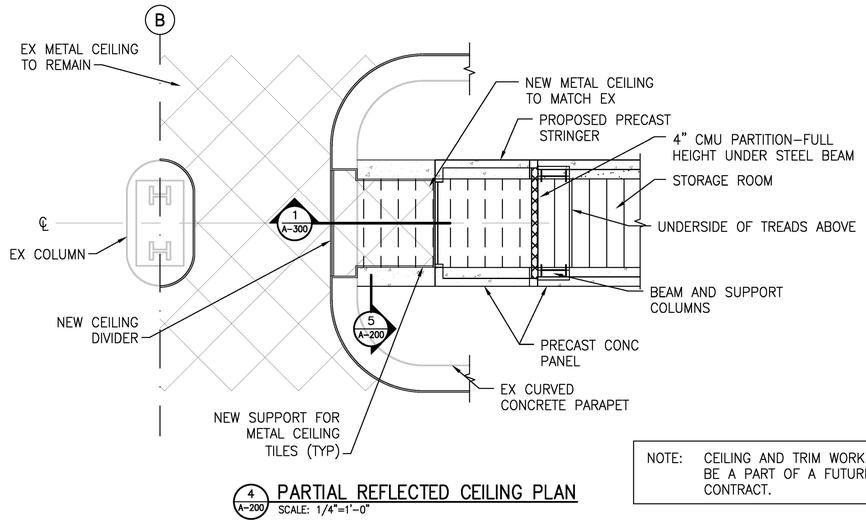
DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL
DEMOLITION & NEW WORK PLAN

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	A-100	-005

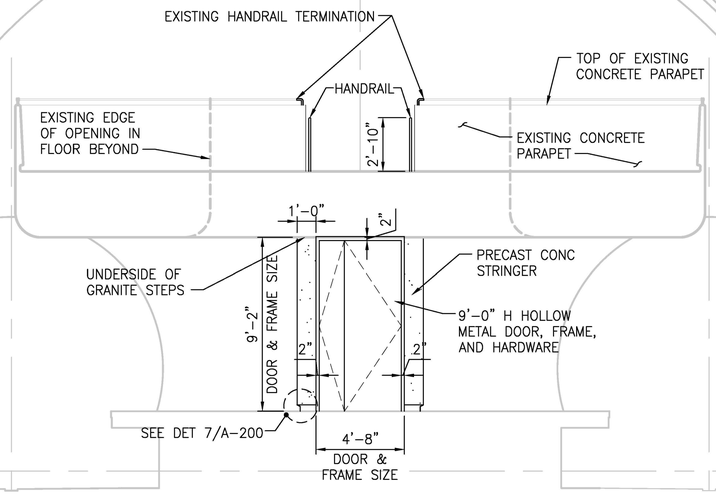


1 A-200 **WEST ELEVATION/SECTION**
SCALE: 1/4"=1'-0"

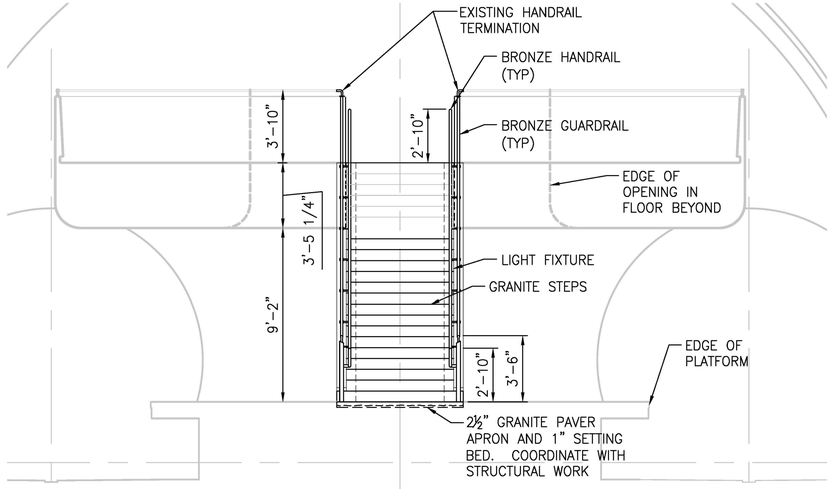


4 A-200 **PARTIAL REFLECTED CEILING PLAN**
SCALE: 1/4"=1'-0"

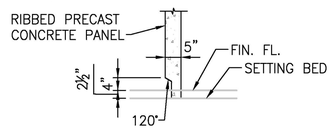
NOTE: CEILING AND TRIM WORK WILL BE A PART OF A FUTURE CONTRACT.



2 A-200 **NORTH ELEVATION/SECTION**
SCALE: 1/4"=1'-0"

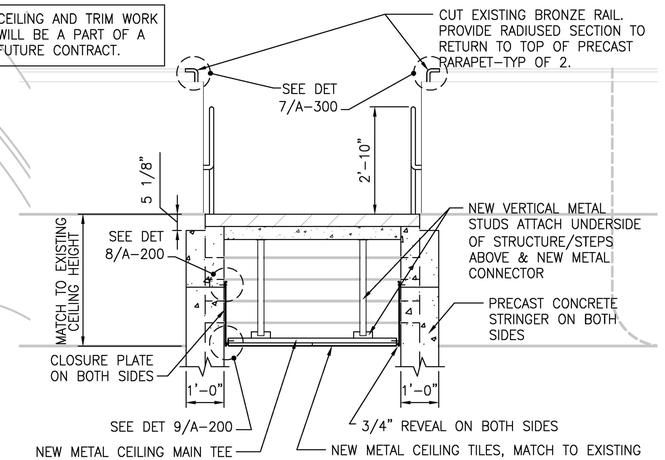


3 A-200 **SOUTH ELEVATION/SECTION**
SCALE: 1/4"=1'-0"



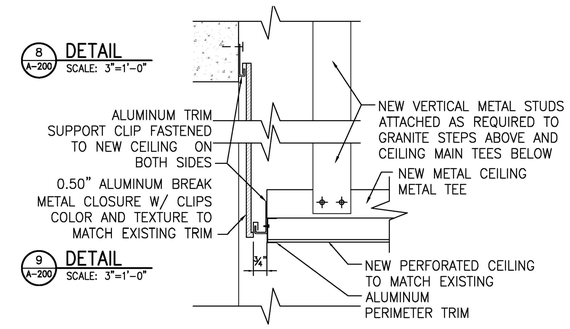
7 A-200 **CONCRETE PANEL DETAIL**
SCALE: 1/2"=1'-0"

NOTE: CEILING AND TRIM WORK WILL BE A PART OF A FUTURE CONTRACT.

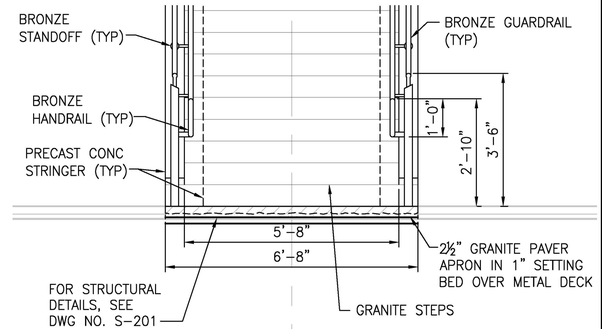


5 A-200 **SECTION-TOP OF STAIR**
SCALE: 1/2"=1'-0"

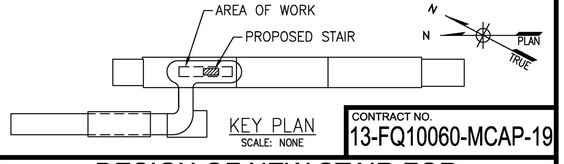
8 A-200 **DETAIL**
SCALE: 3"=1'-0"



9 A-200 **DETAIL**
SCALE: 3"=1'-0"



6 A-200 **SECTION-BOTTOM OF STAIR**
SCALE: 1/2"=1'-0"



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	J. SCHNEIDER	08/12 DATE
DRAWN	C. RICHARDSON	11/12 DATE
CHECKED	J. SCHNEIDER	11/12 DATE
APPROVED	R. ST. JOHN	11/12 DATE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

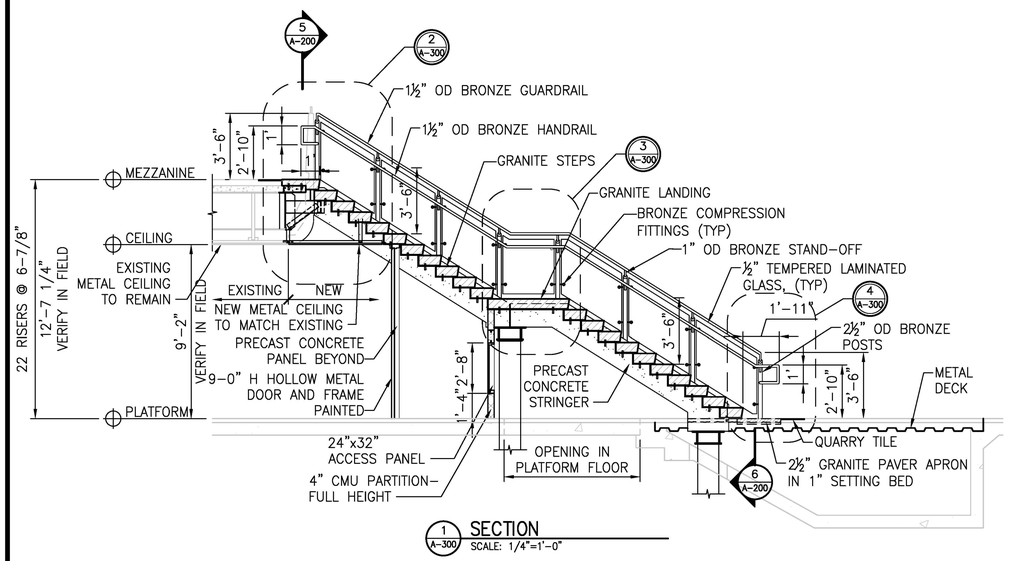
SUBMITTED _____
PROJECT MANAGER

DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL

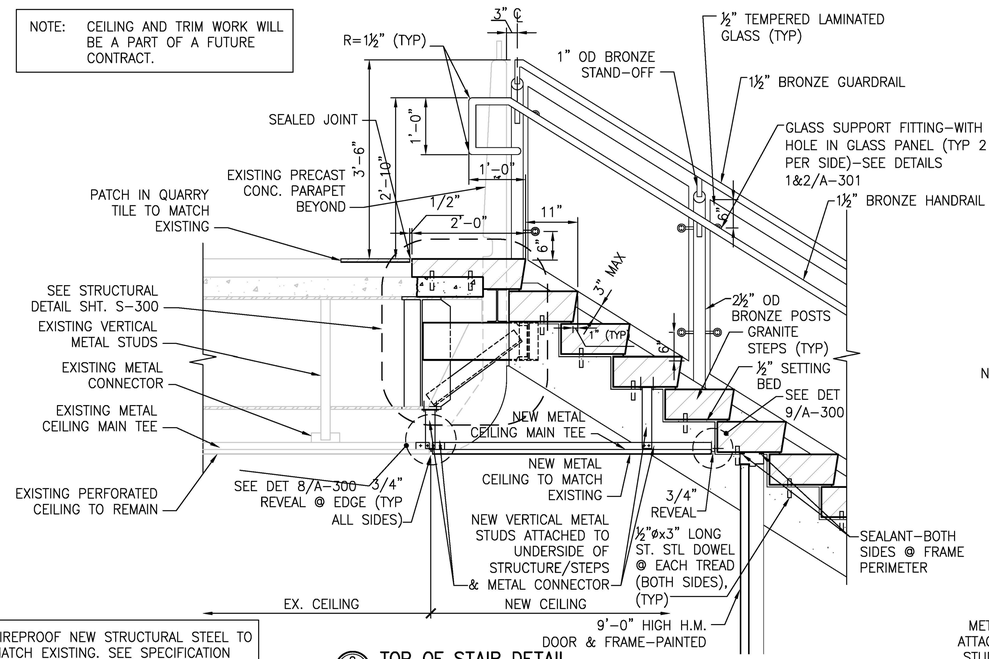
STAIR SECTIONS, ELEVATIONS & REFLECTED CEILING PLAN

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	A-200	-006

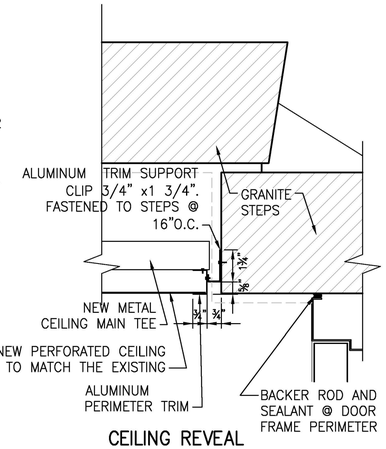


1 A-300 **SECTION**
SCALE: 1/4"=1'-0"

NOTE: CEILING AND TRIM WORK WILL BE A PART OF A FUTURE CONTRACT.

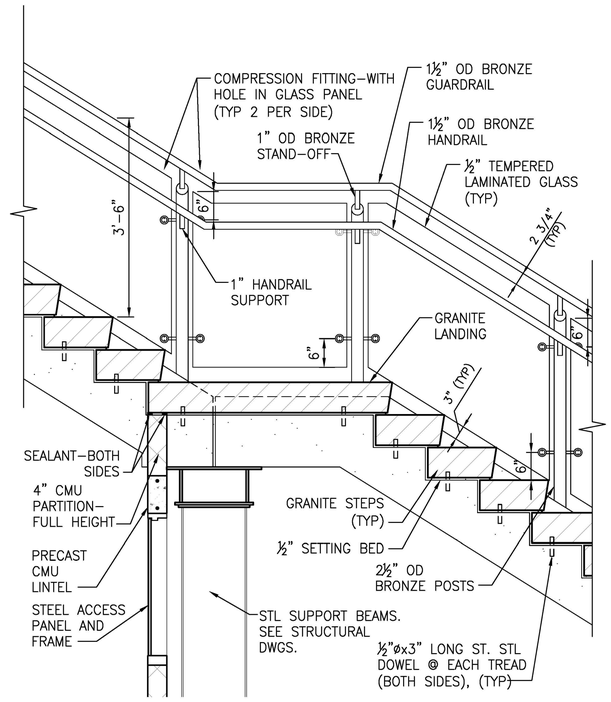


2 A-300 **TOP OF STAIR DETAIL**
SCALE: 3/4"=1'-0"

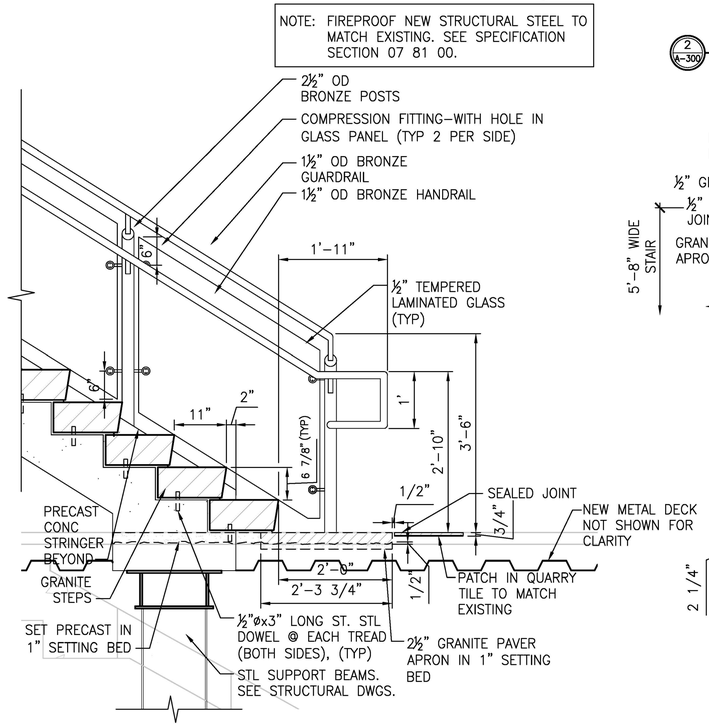


9 A-300 **CEILING REVEAL DETAIL AT PERIMETER**
SCALE: 3"=1'-0"

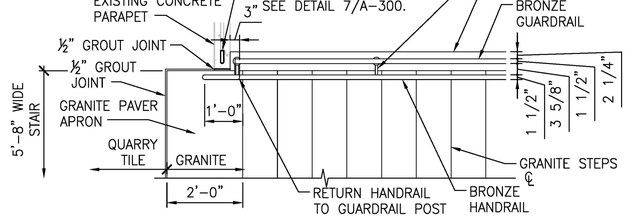
NOTE: FIREPROOF NEW STRUCTURAL STEEL TO MATCH EXISTING. SEE SPECIFICATION SECTION 07 81 00.



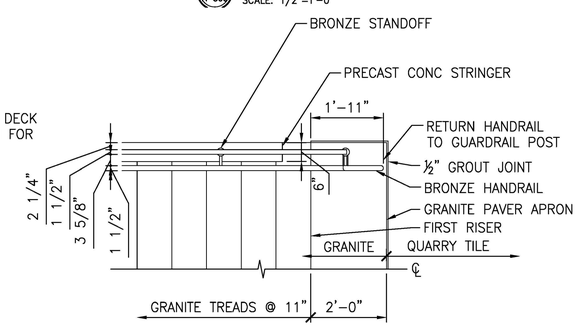
3 A-300 **LANDING DETAIL**
SCALE: 3/4"=1'-0"



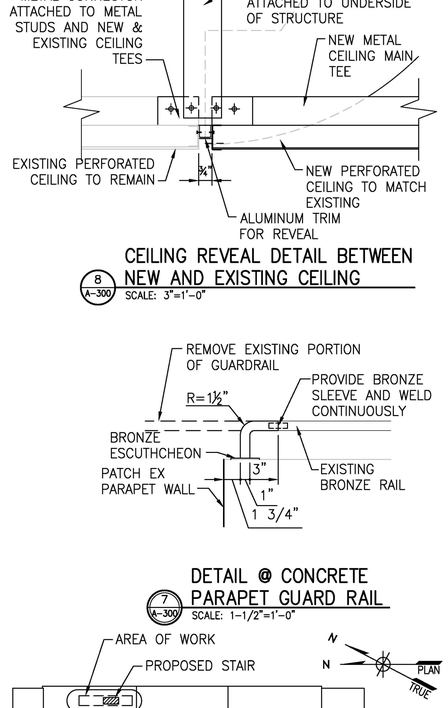
4 A-300 **BOTTOM OF STAIR DETAIL**
SCALE: 3/4"=1'-0"



5 A-300 **TOP OF STAIR DETAIL**
SCALE: 1/2"=1'-0"

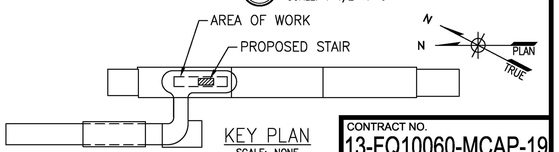


6 A-300 **BOTTOM OF STAIR DETAIL**
SCALE: 1/2"=1'-0"



8 A-300 **CEILING REVEAL DETAIL BETWEEN NEW AND EXISTING CEILING**
SCALE: 3"=1'-0"

7 A-300 **DETAIL @ CONCRETE PARAPET GUARD RAIL**
SCALE: 1-1/2"=1'-0"



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	J. SCHNEIDER	08/12 DATE
DRAWN	C. RICHARDSON	11/12 DATE
CHECKED	J. SCHNEIDER	11/12 DATE
APPROVED	R. ST. JOHN	11/12 DATE

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REVISIONS		
DATE	BY	DESCRIPTION

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OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

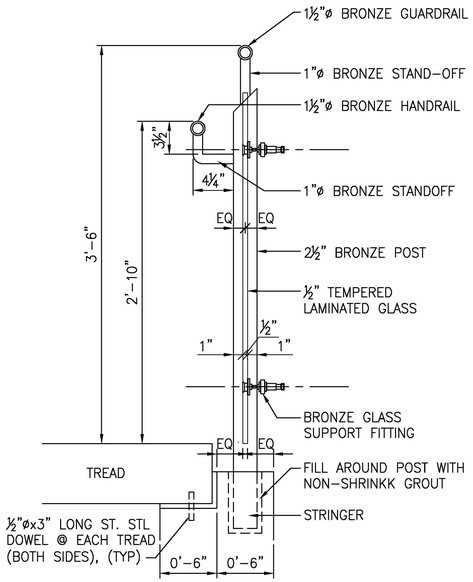
GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

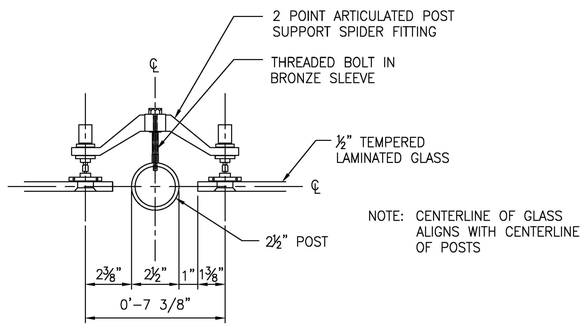
DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL
STAIR SECTIONS AND ENLARGED DETAILS

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	A-300	-007



1 / A–301 TYPICAL SECTION @ HANDRAIL
SCALE: 1–1/2"=1'–0"



1 / A–301 PLAN DETAIL @ GLASS SUPPORT FITTING
SCALE: 3"=1'–0"

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	J. SCHNEIDER	08/12 DATE
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APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

DESIGN OF NEW STAIR FOR BETHESDA STATION

ARCHITECTURAL
STAIR SECTIONS AND ENLARGED DETAILS

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	A–301	–008

I. GENERAL:

1. WORK SHALL BE COORDINATED WITH ALL TRADES TO AVOID CONFLICT OR INTERFERENCE WITH PLACEMENT OF STRUCTURAL MEMBERS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO PERFORMING THE WORK.

2. PIPES, CONDUITS, AND DUCT WORK PRESENT IN PLENUM (UNDER PLATFORM) ARE NOT SHOWN IN THE STRUCTURAL DRAWINGS. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY WHAT UTILITIES ARE PRESENT AND RELOCATE AS REQUIRED FOR STRUCTURAL MEMBER PLACEMENT, AS PART OF THE WORK. RELOCATIONS SHALL BE PERFORMED PRIOR TO CONSTRUCTION SHOWN ON THESE DOCUMENTS.

3. DO NOT CUT OR ALTER ANY EXISTING STRUCTURAL MEMBERS, BEYOND THOSE SHOWN FOR REMOVAL IN PLANS.

4. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO STARTING WORK, AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

5. PRIOR TO PREPARATION OF SHOP DRAWINGS THE CONTRACTOR SHALL VERIFY AND/OR DETERMINE THE SIZE, LOCATION, CONFIGURATION, ETC. OF EXISTING STRUCTURE AT EVERY LOCATION WHERE NEW WORK IS TO ABUT, ATTACH, OR CLEAR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONDITIONS WHICH DIFFER FROM THOSE SHOWN ON PLANS.

II. DESIGN:

1. DESIGN IN ACCORDANCE WITH THE FOLLOWING CODES:

   A. INTERNATIONAL BUILDING CODE (IBC) 2012
   B. ACI 318 & ACI 301, CURRENT VERSIONS
   C. WMATA MANUAL OF DESIGN CRITERIA, RELEASE 9

2. DESIGN LOADS:

   A. STAIRS: 150 PSF & 300 LB CONCENTRATED LOAD (OUTSIDE D.C. ONLY)
   B. MEZZANINE: 150 PSF
   C. PLATFORM: 150 PSF
   D. PRECAST WALL UNITS: 40 PSF WIND LOAD

III. MATERIALS:

1. STRUCTURAL STEEL:

ALL ROLLED SHAPES:	ASTM A992, GRADE 50
ALL PLATES AND CONNECTION MATERIAL:	ASTM A36
ANCHOR RODS:	ASTM F1554, GRADE 55, GALV. AS PER ASTM A123
BOLTING MATERIALS:	ASTM A325, U.N.O

2. SHEAR CONNECTORS:
   ½" DIAMETER HEADED STUDS, U.N.O.
   (LENGTHS SHOWN ON PLANS)

3. CAST-IN-PLACE CONCRETE:

FLOOR SLABS	4,000 PSI, NORMAL WEIGHT

4. PRECAST CONCRETE:

ARCHITECTURAL PANELS:	5,000 PSI, NORMAL WEIGHT
CONCRETE STAIR STRINGERS:	5,000 PSI, NORMAL WEIGHT

5. REINFORCEMENT:

DEFORMED BARS:	ASTM A615. GRADE 60, BLACK

IV. STRUCTURAL STEEL:

1. ALL WELDING SHALL COMPLY WITH A.W.S., D1.1, LATEST VERSION.

2. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES WITH A MINIMUM STRENGTH OF 7,000 PSI AT 28 DAYS.

3. ADEQUATE TEMPORARY BRACING SHALL BE PROVIDED DURING CONSTRUCTION, AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL ADDITIONAL STEEL, TEMPORARY CONNECTIONS, EQUIPMENT, GUYING, ETC., REQUIRED FOR STEEL ERECTION.

4. MINIMUM THICKNESS OF STRUCTURAL STEEL PLATES AND MISCELLANEOUS MATERIAL SHALL BE ¼".

5. ALL COLUMN BASE PLATES SHALL BE AS PER SECTION III, MATERIALS. MILL ENDS OF COLUMNS AT BASE PLATES.

6. ALL PROPOSED STEEL, AND EXISTING STEEL WHICH HAD FIREPROOFING REMOVED FOR PROPOSED STEEL INSTALLATION, SHALL BE PROTECTED WITH SPRAYED FIREPROOFING. FIREPROOFING SHALL HAVE A MINIMUM TWO HOUR FIRE RESISTANCE RATING.

7. ALL STEEL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123.

V. PRECAST CONCRETE:

1. PRECAST CONCRETE UNITS SHALL BE DESIGNED, PRODUCED, AND ERECTED IN ACCORDANCE WITH METHODS AND SPECIFICATIONS CONTAINED IN THE LATEST VERSIONS OF THE PCI DESIGN HANDBOOK AND ACI 318.

2. CONTRACTOR/PRECAST MANUFACTURER SHALL VERIFY ALL DIMENSIONS FOR STAIR STRINGERS AND WALL PANELS, PRIOR TO SHOP DRAWINGS AND FABRICATION.

3. PRECAST MANUFACTURER SHALL SUBMIT SHOP DRAWINGS, SIGNED AND SEALED DESIGN BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND FOR APPROVAL. SHOP DRAWINGS MUST INCLUDE ALL REINFORCEMENT DETAILS, EMBEDMENTS AND ANCHORAGES.

4. ALL CONCRETE EMBEDMENTS SHALL BE HOT DIPPED GALVANIZED.

VI. MASONRY:

1. INTERIOR CMU WALL SHALL BE 4", AND REINFORCED VERTICALLY WITH #5 BARS @ 24". DOWEL BARS SHALL BE DRILLED INTO STRUCTURAL FLOOR SLAB AND GROUTED WITH EPOXY GROUT TO AN EMBEDMENT DEPTH NOT LESS THAN 4"

2. CMU WALL SHALL HAVE HORIZONTAL TRUSS REINFORCING EVERY 16".

VII. METAL DECK

1. COMPOSITE METAL DECK SHAL BE USED TO REPAIR THE KNOCKOUT SLAB AT THE PLATFORM LEVEL OF BETHESDA STATION. THE DECK SHALL BE FABRICATED FROM ASTM A611 OR ASTM A653 STEEL WITH ASTM A653 GALVANIZING. PROPOSED DECK SHALL BE 2 INCH, 18 GA. WITH 2½" CONCRETE TOPPING.

2. ALL METAL DECKING HAS BEEN DESIGNED FOR UNSHORED CONSTRUCTION.

3. DECK SUPPLIER SHALL FURNISH ANY AND ALL SCREEDS, CLOSURES, POUR STOPS, COLUMN CLOSURES AND CANTILEVER STRIPS AS REQUIRED FOR COMPLETE INSTALLATION OF DECK.

4. THE CONTRACTOR SHALL FASTEN STEEL DECK TO STEEL FRAMING WITH THE FOLLOWING:
   A. AT ENDS AND SUPPORT: ⅝" DIAMETER PUDDLE WELDS WITH A 36/4 PATTERN.
   B. SIDE LAPS: #10 TEK SCREWS AT 12" SPACING, OR EQUIVALENT.
   C. DECK EDGES: ⅝" DIAMETER PUDDLE WELDS AT 18" SPACING

VIII. DEMOLITION:

1. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING, SHIELDING, TEMPORARY WALLS, ETC., AS REQUIRED TO PREVENT THE PROPAGATION OF CONSTRUCTION DEBRIS BEYOND THE WORK AREA.

2. CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF ALL WORKMEN, AUTHORITY EMPLOYEES AND THE PUBLIC EXPECTED TO BE IN THE PROXIMITY DURING THIS WORK.

3. NOTIFY OWNER AND ENGINEER IMMEDIATELY IF ANY PORTION OF THE EXISTING STRUCTURE WHICH IS NOT TO BE DEMOLISHED, IS DAMAGED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR COSTS, INCLUDING DESIGN AND INSPECTION EXPENSES.

4. CONTRACTOR SHALL SAW CUT IN LOCATIONS SPECIFIED AS PER PLANS. CUTTING SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. CONTRACTOR TO DRILL CORNERS AND SAW CUT STRAIGHT LINES. CUT AND/OR DAMAGED PAVER TILES SHALL BE REMOVED IN THE PROXIMITY OF THE SAW CUTS TO THE NEXT UNDAMAGED TILE AND REPLACED.

5. CONTRACTOR'S WORK ZONE IS SHOWN ON DRAWING NO. A-004. ALL CLEARANCES SHOWN MUST BE MAINTAINED AT ALL TIMES.

6. THE CONTRACTOR WILL BE REQUIRED INSTALL BRACING OR SHORING TO MINIMIZE CORNER CRACKS AND TRANSFERRING LOAD TO ADJACENT SLAB FOR THE DEMOLITION OPENINGS IN THE PLATFORM SLAB (1'-10" X 1'-1"). TEMPORARY STEEL ANGLES BOLTED THROUGH THE SLAB ALIGNED DIAGONALLY WITH EACH OF THE PROPOSED SLAB CUT CORNERS IS RECOMMENDED. THE CONTRACTOR MAY ALSO SHORE THE SLAB FROM THE UNDERSIDE AS AN OPTION. THE BRACING/SHORING METHOD SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND THE AUTHORITY BEFORE PLATFORM SLAB DEMOLITION BEGINS.

IX. CONSTRUCTION/ERECTION:

1. THE CONTRACTOR SHALL BE AWARE THAT THE PLATFORM OF THE BETHESDA METRO RAIL STATION IS NOT ON GRADE, AND THAT VOIDS EXIST UNDER THE 8" THICK CONCRETE PLATFORM SLAB. THE CONTRACTOR IS PROHIBITED FROM USING ANY CONSTRUCTION EQUIPMENT, SUCH AS A FORK LIFT OR OTHER MECHANIZED RUBBER TIRED VEHICLE, TO RAISE AND POSITION THE PRECAST CONCRETE STRINGERS, OR FOR ANY OTHER CONSTRUCTION RELATED ACTIVITIES. SUCH EQUIPMENT WILL ONLY BE PERMITTED IF THE CONTRACTOR CAN PROVIDE CALCULATIONS TO THE AUTHORITY THAT THE EXISTING FLOOR SLAB IS CAPABLE OF SUPPORTING SUCH LOADS SAFELY, WITH OR WITHOUT TEMPORARY UNDER-PLATFORM SHORING. REQUIRED CALCULATIONS MUST BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND AND SUBMITTED TO THE AUTHORITY FOR REVIEW AND APPROVAL.

2. SUGGESTED SEQUENCE OF CONSTRUCTION FOR STRUCTURAL ELEMENTS: (CONTRACTOR SHALL SUBMIT SEQUENCE OF CONSTRUCTION FOR APPROVAL):

   A. REMOVE MEZZANINE AND PLATFORM CONCRETE, AND PRECAST PARAPET AS SHOWN.

   B. INSTALL ANCHOR RODS FOR EACH STEEL FRAME. INSTALL STEEL FRAMES FOR CENTER AND BOTTOM LANDINGS. BOTH FRAMES SHALL BE TEMPORARILY BRACED IN TRANSVERSE AND LONGITUDINAL DIRECTIONS.

   C. INSTALL PROPOSED MEZZANINE FRAMING, WITH THE EXCEPTION OF THE W6X12 BEAM BETWEEN STRINGERS.

   D. INSTALL BOTTOM PRECAST STRINGERS TO BOTTOM LANDING FRAME AND CENTER LANDING FRAME. SHIM AS REQUIRED. TEMPORARY WELDS MAY BE USED. DO NOT INSTALL ANY GRANITE RISERS.

   E. WELD THE W6X12 BEAM BETWEEN THE TWO TOP STRINGERS TO TOP EMBEDDED PLATES. RAISE AND SET THE TWO PRECAST STRINGERS AND STEEL BEAM INTO POSITION ON THE CENTER LANDING FRAME.

   F. WELD THE W6X12 BEAM BETWEEN THE TWO TOP STRINGERS TO TOP EMBEDDED PLATES. RAISE AND SET THE TWO PRECAST STRINGERS AND STEEL BEAM INTO POSITION ON THE CENTER LANDING FRAME. SHORE THE W6X12 BEAM SUCH THAT IT LINES UP WITH PROPOSED MEZZANINE FRAMING. ADJUST POSITION OF THE C7X9.8 ON THE W6X12 CONNECTION PLATES UNTIL STRINGERS ARE EVEN WITH ONE ANOTHER AND AT THE CORRECT ELEVATION. INSTALL FINAL WELDS BETWEEN THE ENDS OF THE C7X9.8 AND THE W6X12.

   G. INSTALL PERMANENT WELDS AT ALL STRINGER BASE PLATES.

   H. REPAIR PLATFORM CONCRETE AROUND CENTER LANDING SLAB COLUMNS.

   I. REPLACE THE KNOCKOUT SLAB WITH A NEW CONCRETE SLAB AND METAL DECKING.

   J. INSTALL GRANITE RISERS, BEGINNING AT THE BASE OF THE STAIRS AND ENDING AT THE TOP GRANITE LANDING.

   K. ADJUST POSITION OF BOLTS IN SLOTTED HOLES AS REQUIRED BETWEEN C7X9.8 AND THE CONNECTION PLATES OF THE W24X68 TO ACCOUNT FOR DL DEFLECTION OF THE NEW STEEL SUPPORTS. INSTALL FINAL FIELD WELD BETWEEN C7X9.8 AND THE W6X12 CONNECTION PLATES, AFTER STAIRS FULLY LOADED.

   L. INSTALL NEW PAVER TILES AT PLATFORM AND GRANITE BOTTOM LANDING SLAB.

   M. INSTALL 4" CMU WALL, ARCHITECTURAL PRECAST PANELS, AND DOOR UNDER STAIRS.

ABBREVIATIONS

ADD'L.	ADDITIONAL	JT.	JOINT
ARCH.	ARCHITECTURAL	MEZZ.	MEZZANINE
BM.	BEAM	MIN.	MINIMUM
B.O.C.S.	BOTTOM OF CONCRETE STRINGER	MTL.	METAL
BOTT.	BOTTOM	OPP.	OPPOSITE
BRG.	BEARING	OPNG.	OPENING
℄	CENTERLINE	PL.	PLATE
CMU	CONCRETE MASONRY UNIT	PROP.	PROPOSED
COL.	COLUMN	RECONSTR.	RECONSTRUCTION
CONC.	CONCRETE	REINF.	REINFORCEMENT
CONN.	CONNECTION	REQ'D	REQUIRED
DEMO.	DEMOLISH/DEMOLITION	SHT.	SHEET
DIA.	DIAMETER	SIM.	SIMILAR
DWG.	DRAWING	SS.	STAINLESS STEEL
EA.	EACH	STIFF.	STIFFENER
EMBED.	EMBEDMENT	STL.	STEEL
EXIST.	EXISTING	THK.	THICK
FIN.	FINISHED	T.O.C.	TOP OF CONCRETE
FLR.	FLOOR	T.O.F.F.	TOP OF FINISHED FLOOR
GA.	GAUGE	T.O.S.	TOP OF SLAB
GALV.	GALVANIZED	TYP.	TYPICAL
GR.	GRADE	TYP.	VERTICAL
HORIZ.	HORIZONTAL	W/	WITH

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	W. ROBIN	08/12 DATE
DRAWN	C. RICHARDSON	08/12 DATE
CHECKED	D. MOSTOLLER	11/12 DATE
APPROVED	M. AKLAN	11/12 DATE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

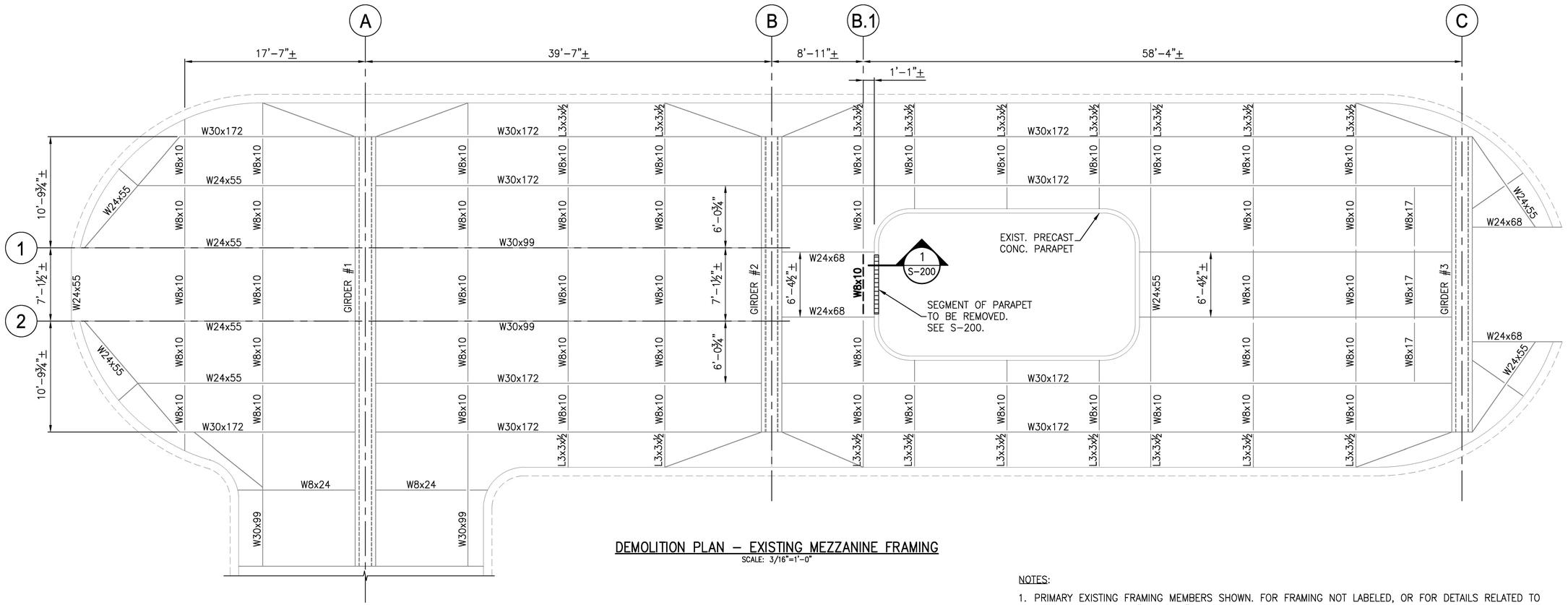
APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

DESIGN OF NEW STAIR FOR BETHESDA STATION
STRUCTURAL GENERAL NOTES

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	S-001	-009



DEMOLITION PLAN – EXISTING MEZZANINE FRAMING
SCALE: 3/16"=1'-0"

NOTES:

1. PRIMARY EXISTING FRAMING MEMBERS SHOWN. FOR FRAMING NOT LABELED, OR FOR DETAILS RELATED TO MEZZANINE GIRDERS #1 THRU #3, REFER TO ORIGINAL CONSTRUCTION DOCUMENTS BY DE LEUW, CATHER & COMPANY, DATED MAY, 12, 1977, CONTRACT NO. 1A0112.

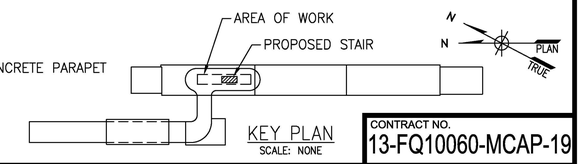
2. THE CONTRACTOR SHALL LIMIT THE LIVE LOAD IN THE IMMEDIATE AREA OF THE DEMOLITION (AS DEFINED AS SOUTH OF GRID LINE B, AND BETWEEN 1 & 2,) TO THE 150 PSF DESIGN LOAD. NO TEMPORARY SHORING IS REQUIRED, UNLESS CONTRACTOR IS EXPECTED TO EXCEED 150 PSF LIVE LOAD. IF SHORING IS REQUIRED, IT SHALL BE PLACED CENTERED, UNDER EACH W24x68 BEAM AT THE INTERSECTION OF GRID LINE B.1. AS AN ADDED PRECAUTION, THE CONTRACTOR SHALL INSTALL A TEMPORARY HARDWOOD STIFFENER AT THE SHORING LOCATION, ONE ON EACH SIDE OF THE BEAM WEB. STIFFENERS SHALL FIT SNUG BETWEEN TOP AND BOTTOM FLANGES WITHOUT MECHANICAL CONNECTIONS OF ANY KIND.

3. CONTRACTOR'S WORK ZONE IS SHOWN ON DRAWING NO. A–004. ALL CLEARANCES SHOWN MUST BE MAINTAINED AT ALL TIMES.

LEGEND:

W8x10 — EXISTING STEEL TO BE REMOVED

REMOVAL OF EXISTING PRECAST CONCRETE PARAPET



KEY PLAN
SCALE: NONE

CONTRACT NO.
13-FQ10060-MCAP-19

DESIGNED	W. ROBIN	08/12
		DATE
DRAWN	C. RICHARDSON	08/12
		DATE
CHECKED	D. MOSTOLLER	11/12
		DATE
APPROVED	M. AKLAN	11/12
		DATE

REFERENCE DRAWINGS

NUMBER	DESCRIPTION

REVISIONS

DATE	BY	DESCRIPTION

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

DEPARTMENT OF TRANSIT INFRASTRUCTURE
AND ENGINEERING SERVICES
OFFICE OF INFRASTRUCTURE RENEWAL PROGRAM

APPROVED _____

GFP A Gannett Fleming/Parsons JOINT VENTURE

SUBMITTED _____
PROJECT MANAGER

DESIGN OF NEW STAIR FOR BETHESDA STATION

STRUCTURAL
DEMOLITION – EXISTING MEZZANINE STEEL

SCALE	DRAWING NO.	SHEET NO.
AS SHOWN	S–100	–010